Lull®

# *Illustrated Parts Manual*

## *Model*
## *644*

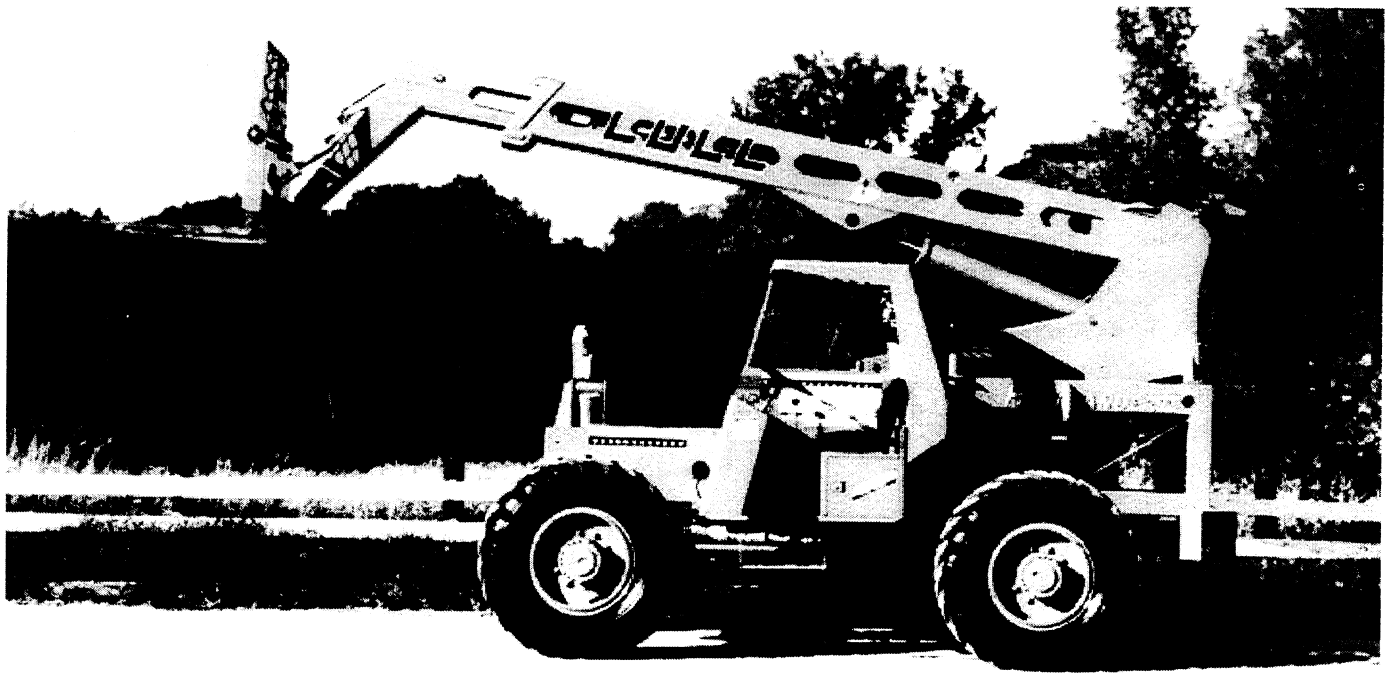
### HIGHLANDER

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August 1994

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JLG®

# GENERAL INFORMATION



You have purchased one of the finest rough terrain forklifts available on the market today. To ensure that your forklift will provide years of safe dependable service, the manufacturer strongly recommends that all persons operating or servicing this machine be trained and authorized to a level appropriate for their area of responsibility. The manufacturer also depends on all persons operating or servicing this machine to read, fully understand and follow all safety, operational and maintenance related instructions applicable to their area of responsibility.

**LULL®** INDUSTRIES has made every effort to provide information as complete and accurate as possible for its forklifts. However, because of owner requirements, equipment and control variations may exist between machines. In addition, due to **LULL®** INDUSTRIES' policy of continually striving to improve its products, occasional discrepancies may exist between machines and the descriptions and information contained herein.

This parts book provides detailed information on the acquisition of service/replacement parts necessary to keep your rough terrain forklift in good working order. Should, however a defect or failure occur to the machine during the warranty period immediately contact your local authorized **LULL®** INDUSTRIES dealer. The information contained in this parts book is provided to assist owners, operators and service personnel in the proper upkeep and maintenance of **LULL®** INDUSTRIES rough terrain forklifts. For detailed descriptions of major components see your machines Service and Maintenance manual.

**This Manual is published for informational purposes only and the information so provided should not be considered as all inclusive or covering all contingencies.** If further information is required, consult your authorized **JLG Industries, Inc.** dealer or contact the **JLG Industries, Inc.** Technical Publications Department

# GENERAL INFORMATION

## ORDERING PARTS

**See Inside back cover for details.**

## WARRANTY REGISTRATION

The **LULL**® INDUSTRIES warranty is a separate document provided to the customer upon receipt of the machine. Proper registration is an important warranty requirement. The Pre-Delivery Inspection Form must be signed by the customer when the machine is delivered. The Warranty Registration card must be filled out by the dealer and returned to the **LULL**® INDUSTRIES "Warranty Administrator" indicating the date the machine went into service.

## HOW TO USE THIS PARTS BOOK

This Parts Book is divided into the following sections:

- General Information, including Index of Abbreviations
- Master Table of Contents
- Illustrated Parts Breakdown
  - Section 1 — "Drive Train"
  - Section 2 — "Frame And Platform
  - Section 3 — "Boom And Transfer"
  - Section 4 — "Upper Hydraulics"
  - Section 5 — "Lower Hydraulics"
  - Section 6 — "Brakes"
  - Section 7 — "Electrical"
  - Section 8 — "Decals And Accessories"
  - Section 9 — "Fork Carriage (s)"
- Numerical Index

Please read and thoroughly understand the following functional descriptions. Knowing how to properly use this document will help ensure proper service/replacement part identification.

## INDEX OF ABBREVIATIONS

The "Index of Abbreviations" is a listing of abbreviations commonly used in this catalogue. You will find the complete word and/or a description for the abbreviation immediately to the right of the abbreviation.

## MASTER TABLE OF CONTENTS

The Master "Table of Contents" is located at the front of the parts book and displays the section and page number location of major components within the parts book.

## SECTION TABLE OF CONTENTS

The Section "Table of Contents" is located at the front of each section and displays the page number location of major components within each individual section of the parts book.

## SECTION INDEX

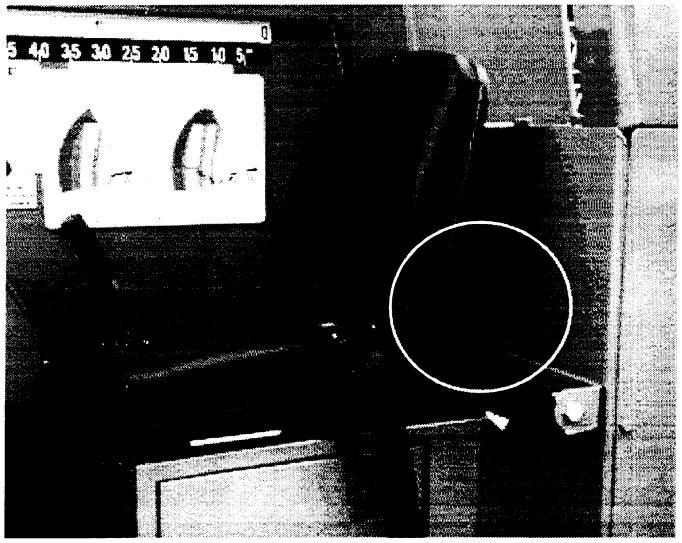
The Section "Index" lists major components as well items with the most frequent replacement histories.

## NUMERICAL INDEX

The "Numerical Index" displays parts contained in the parts book by part number, in numerical order, and their corresponding section and page number locations.

## VEHICLE IDENTIFICATION

The serial number plate is mounted to the operators platform rear wall, behind the operators seat.The Serial number is a ten (10) digit alpha-numeric number that identifies a specific machines type, date of production and design configuration. The last four (4) digits of the serial number identify the individual machine.



SERIAL NUMBER LOCATION

The machine serial number must match the serial number referenced in the serial number column of the parts listing. Machines with identical model numbers that are similar in design, may still have differences in service component parts due to design modifications, product improvement, component obsolescence, etc. To properly identify service parts for your machine, the machine model number and serial number must be determined prior to researching service/replacement parts in this parts book.

# ILLUSTRATED PARTS BREAKDOWN

## SECTION TITLE

The "Section Title" appears at the upper outside corner of each page and is used as a quick reference point for determining specific section location when skimming through the document.

## GROUP TITLE

The "Group Title" appears at the lower outside corner of each page and is used as a quick reference point for determining specific "Parts Group" location when skimming through the document.

**NOTE**: The "Parts Group" title must match that of the corresponding Illustration to ensure proper service/ replacement part identification.

## PARTS GROUP TITLE

The "Parts Group Number" identifies individual "Parts Groups" and is used to tie "Parts Group" to their corresponding illustration.

**NOTE**: The "Parts Group Number" must match that of the corresponding Illustration to ensure proper service/ replacement part identification.

## GROUP NO.

The identifying number for the specific parts group and its corresponding illustration.

## PAGE NUMBER

Each section is numbered in sequence beginning with the first group in the section and continuing through the last group within section.

**NOTE**: Page numbers for specific "Parts Groups" may be quickly obtained by using either the Section's Table of Contents or Index located at the front of each section.

## DATE

The release date, or last revision, of a specific parts group and corresponding illustration.

## ITEM NUMBER

The "ITEM" Number is used to identify and locate specific individual parts or assemblies within a "Parts Group's" corresponding Illustration.

## PART NO.

The **LULL®** INDUSTRIES part number for the part.

## SEE PAGE REFERENCE

Some parts listings contain "See Page" references for assemblies and sub-assemblies that are broken down in separate "Parts Groups". In these instances the "PART NO." field will contain the "See Page" reference and the page number that contains the "Parts Group" for that component.

## DESCRIPTION

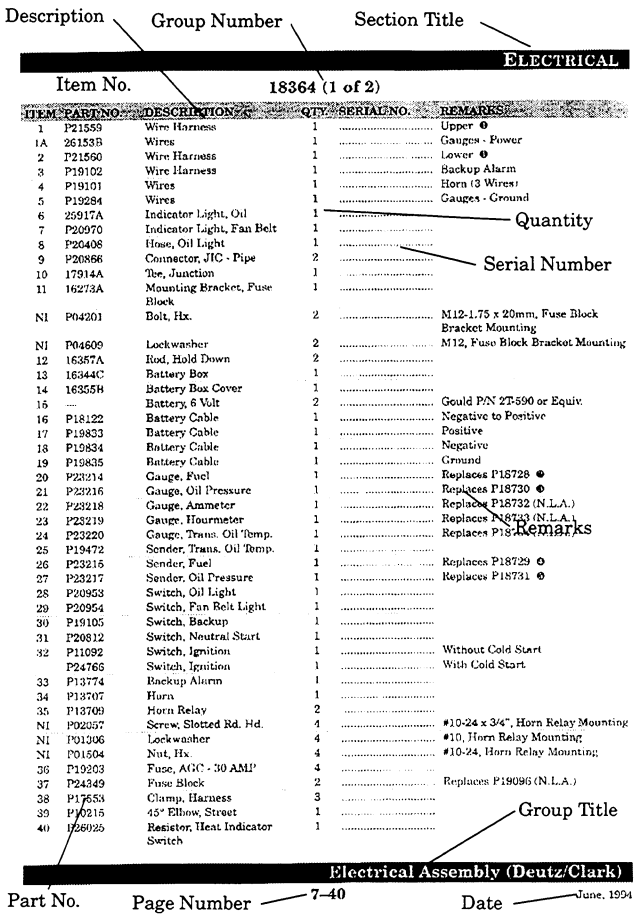
The description of the part listed. Additional part description information can be found in the "REMARKS" column.

## QTY. (QUANTITY)

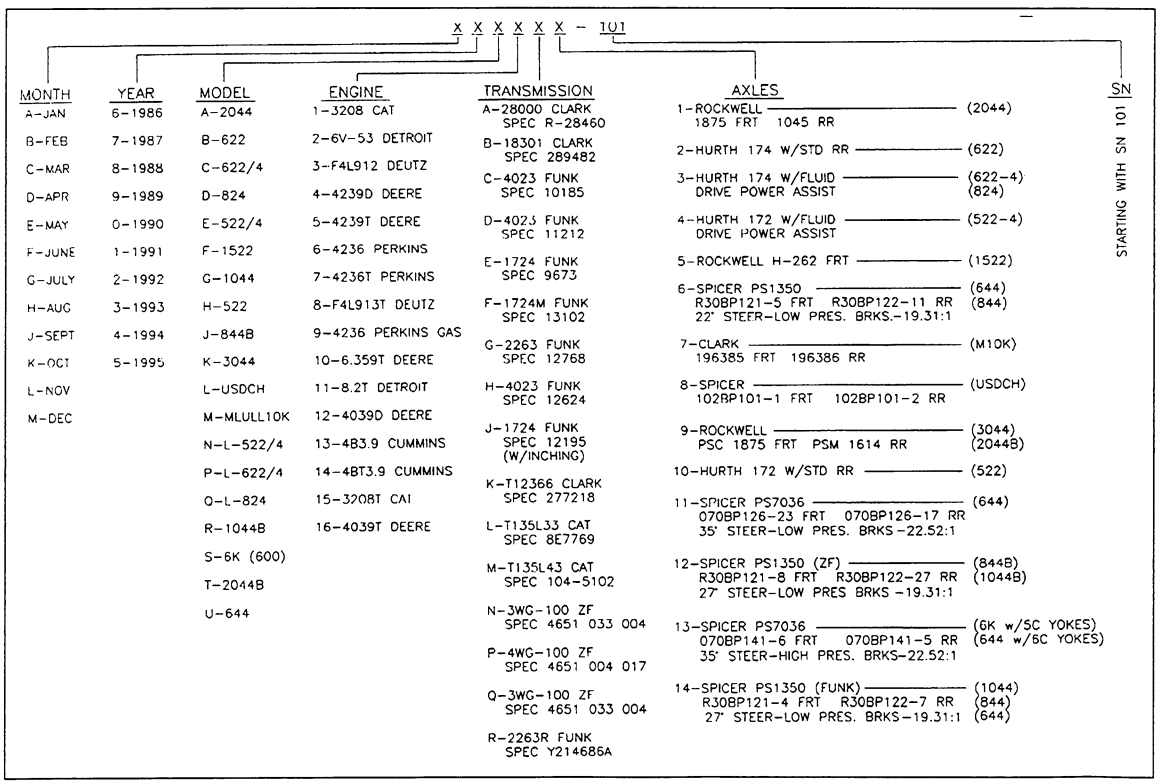
The quantity of a part within the next highest vehicle assembly or "Parts Group". Complete component assemblies, for such items as valves and drive train components, will not list a quantity in the parts group breakdown for that component. In these instances, the quantity will appear in the parts list for the component's next highest assembly or "Parts Group".

## SERIAL NUMBER

The serial number reference displays the last four (4) digits of the serial number range for a given part or assembly. When more than one (1) serial number break is present for a specific part or assembly, the most current part is displayed first with all previous serial number breaks appearing below in chronological order.




## SERIAL NUMBER IDENTIFICATION



## INDEX OF ABBREVIATIONS

A/R › › › › › › › › › › › › › › › As Required
ACCEL. › › › › › › › › › › › › › ›Accelerator
ACCUM. › › › › › › › › › › › › ›Accumulator
AMP › › › › › › › › › › › › › › › ›Ampere
ASSY› › › › › › › › › › › › › › › ›Assembly
AUX. › › › › › › › › › › › › › › › ›Auxiliary
B/M› › › › › › › › › › › › › Bill of Material
BKT. › › › › › › › › › › › › › › › ›Bracket
CCA › › › › › › › Cold Cranking Amperes
CON'T › › › › › › › › › › › › › Continued
CONT. › › › › › › › › › › › › › › ›Control
CYL › › › › › › › › › › › › › › › Cylinder
D.P.D.T. › › › › › › Dual Pole, Dual Throw
D.P.S.T.› › › › › › Dual Throw, Single Pole
DIA. › › › › › › › › › › › › › › ›Diameter
DIAG. › › › › › › › › › › › › › › Diagram
DIFF.› › › › › › › › › › › › › Differential
ELECT.› › › › › › › › › › › › › ›Electrical
EQUIP.› › › › › › › › › › › › › ›Equipment
EQUIV.› › › › › › › › › › › › › ›Equivalent
F › › › › › › › › › › › › › › › › › › ›Front
FIG. › › › › › › › › › › › › › › › Figure
FRT. › › › › › › › › › › › › › › › ›Front
FSO › › › › › › › ›Factory Sales Ordering
FWD › › › › › › › › › › › › › › › Forward
GA.› › › › › › › › › › › › › › › › Gauge
GAL. › › › › › › › › › › › › › › › Gallon
GP. › › › › › › › › › › › › › › › › Group
GR.› › › › › › › › › › › › › › › › Grade
HD.› › › › › › › › › › › › › › › › ›Head
HX.› › › › › › › › › › › › › › › › ›Hex
HYD.› › › › › › › › › › › › › › › Hydraulic
HYDR.› › › › › › › › › › › › › › Hydraulic
I.D.› › › › › › › › › › › › › Inner Diameter
ID› › › › › › › › › › › › › › › Identification
IGN. › › › › › › › › › › › › › › › Ignition
IN.› › › › › › › › › › › › › › › › › ›Inches
INST. › › › › › › › › › › › › › ›Installation
INSTAL.› › › › › › › › › › › › ›Installation
INTERMED. › › › › › › › › ›Intermediate
JIC› › › › › › › › Joint Industry Council
l › › › › › › › › › › › › › › › › › › Liter
L.F.› › › › › › › › › › › › › › › Left Front
L.R. › › › › › › › › › › › › › › › ›Left Rear
LB.› › › › › › › › › › › › › › › › ›Pounds
LG.› › › › › › › › › › › › › › › › Long
LH › › › › › › › › › › › › › › › Left Hand
M› › › › › › › › › › › › › › › › › ›Metric
MECH. › › › › › › › › › › › ›Mechanical
MFG. › › › › › › › › › › › ›Manufacturing
MFGR.› › › › › › › › › › › Manufacturer
MISC. › › › › › › › › › › › Miscellaneous
mm› › › › › › › › › › › › › › Millimeter
MOUNT.› › › › › › › › › › › ›Mounting
MTG. › › › › › › › › › › › › › ›Mounting
MTR.› › › › › › › › › › › › › › › ›Motor
N.L.A. › › › › › › › ›No Longer Available
N.P.N. › › › › › › › › › ›No Part Number
N.S.S. › › › › › › › ›Not Sold Separately
N/A› › › › › › › › › › › ›Not Applicable
N/OFF › › › › › › › › › › ›Normally Off
N/ON › › › › › › › › › › ›Normally On
NI › › › › › › › › › › › ›Not Illustrated
NO. › › › › › › › › › › › › › ›Number
O.D. › › › › › › › › › › Outer Diameter
P/N› › › › › › › › › › › ›Part Number
P/O› › › › › › › › ›Part of an Assembly
PKG.› › › › › › › › › › › › › ›Package
PRESS. › › › › › › › › › › › › Pressure
PROP. › › › › › › › › › › › › Propeller
PT. › › › › › › › › › › › › › › Point, Pint
PTO › › › › › › › › › › ›Power Take Off
QT.› › › › › › › › › › › › › › › Quart

## INDEX OF ABBREVIATIONS (CON'T)

R› › › › › › › › › › › › › › › › › › › › Rear
R.F. › › › › › › › › › › › › › › › › Right Front
R.R. › › › › › › › › › › › › › › › › Right Rear
RD. › › › › › › › › › › › › › › › › › › Round
REF.› › › › › › › › › › › › › › › › Reference
REG. › › › › › › › › › › › › › › › › Regulator
REPL.› › › › › › › › › › › › › › › › Replace
RH› › › › › › › › › › › › › › › › › Right Hand
RPR. › › › › › › › › › › › › › › › › › Repair
S.P.D.T. › › › › ›Single Throw, Dual Throw
S.P.S.T. › › › › › Single Pole, Single Throw
S/N › › › › › › › › › › › › Serial Number
SAE › › › Society of Automotive Engineers
SUSP. › › › › › › › › › › › › › Suspension
SW. › › › › › › › › › › › › › › › › ›Switch
SYS.› › › › › › › › › › › › › › › › System
TEMP.› › › › › › › › › › › › Temperature
TRANS.› › › › › › › › › › › › Transmission
U › › › › › › › › › › › › › › › › › Universal
VENT› › › › › › › › › › › › › › Ventilation
W.B.› › › › › › › › › › › › › › › Wheel Base
W/› › › › › › › › › › › › › › › › › › › With
W/O › › › › › › › › › › › › › › › › Without

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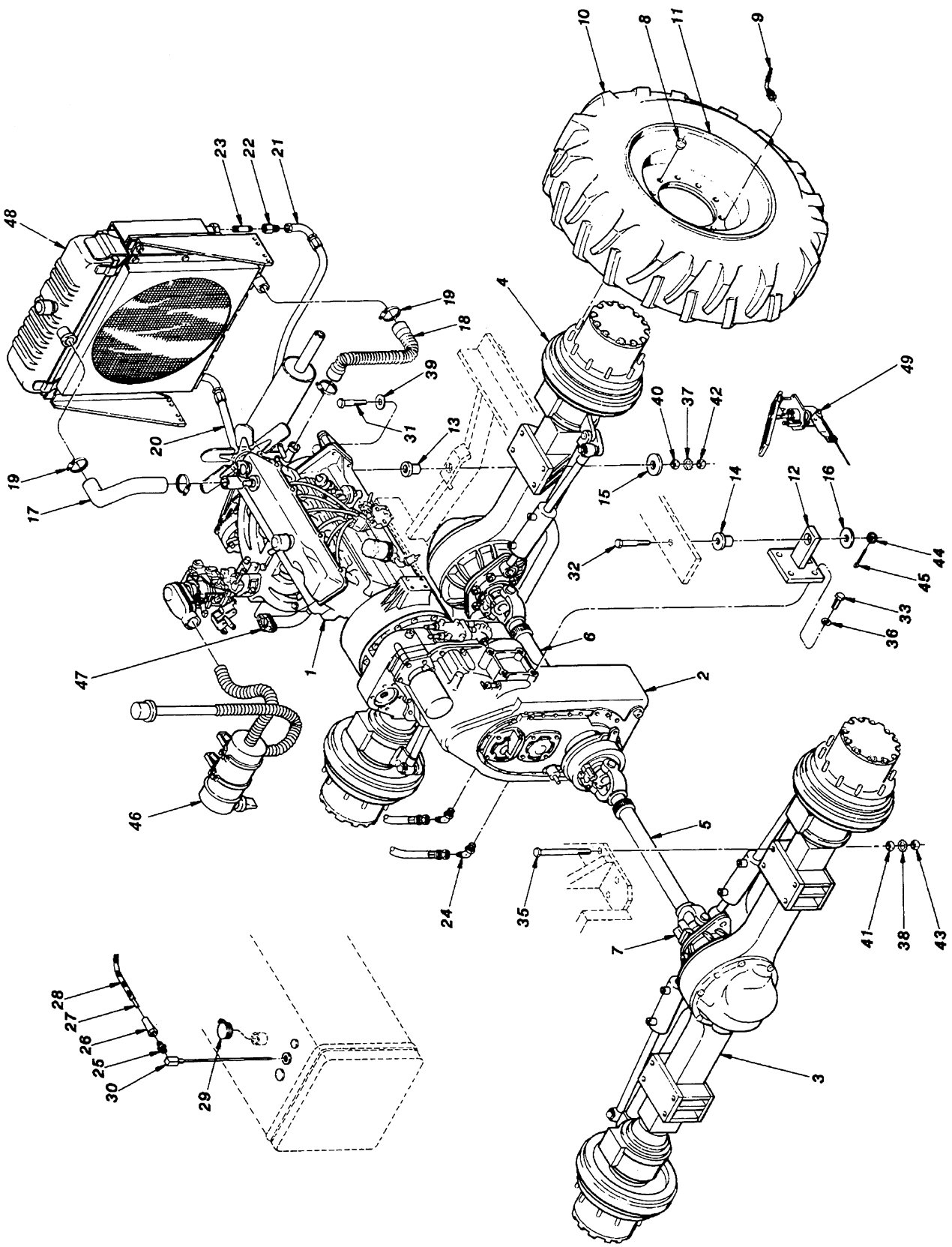



**Figure 18351**

## 18351 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 15247C | Engine, Chrysler | 1 | ..... | 225 C.I.D. Slant 6 Cyl. |
| NI | P21735 | Stub Engine | – | ..... | |
| NI | P21736 | Accessories | – | ..... | |
| 2 | P19867 | Transmission, Clark | 1 | ..... | with Parking Brake |
| | P19900 | Transmission, Clark | – | ..... | w/o Parking Brake |
| 3 | P18009 | Axle | 1 | ..... | Front - Drum Brakes |
| | P21735 | Axle | – | 533 – | Front - Disc Brakes |
| | P18068 | Axle | – | 101 – 532 | Front - Disc Brakes |
| 4 | P18010 | Axle | 1 | 533 – | Rear - Drum Brakes |
| | P21736 | Axle | – | 101 – 532 | Rear - Disc Brakes |
| | P18069 | Axle | – | ..... | Rear - Disc Brakes |
| 5 | P20417 | Shaft, Drive | 1 | ..... | Front - w/Drum Brake |
| | P21676 | Shaft, Drive | – | 524 – | Front - w/Disc Brake |
| | 19197B | Shaft, Drive | – | 101 – 523 | Front - w/Disc Brake |
| 6 | P20418 | Shaft, Drive | 1 | ..... | Rear - w/Drum Brake |
| | P21678 | Shaft, Drive | – | ..... | Rear - w/Disc Brake |
| NI | P17734 | U-Joint | – | ..... | Tapped Hole |
| | P18749 | U-Joint | – | ..... | Thru Hole |
| 8 | P13894 | Lug Nut, Wheel | – | ..... | |
| 9 | P13673 | Valve Stem | 4 | ..... | |
| 10 | P13020 | Tire | 4 | ..... | 12.00 x 24 8 PLY |
| | P11688 | Tire | – | ..... | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | ..... | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | ..... | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | ..... | 13.00 x 24 |
| 11 | 12749C | Rim, Wheel | 4 | ..... | |
| NI | P16439 | Lock Ring | – | ..... | |
| NI | P16441 | O-Ring | – | ..... | |
| NI | P17260 | Flange | – | ..... | |
| 12 | 18647B | Mount, Transmission | 2 | 338 – | |
| | 18221B | Mount, Transmission | – | 101 – 337 | |
| 13 | P18180 | Mount, Engine | 1 | ..... | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | ..... | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 1 | ..... | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | ..... | |
| 17 | P18011 | Hose, Radiator | 1 | ..... | Upper |
| 18 | P17274 | Hose, Radiator | 1 | ..... | Lower |
| 19 | P10601 | Clamp, Hose | 4 | ..... | Radiator |
| 20 | P21348 | Hose, Transmission Cooler | 1 | ..... | 50" LG. |
| 21 | P21351 | Hose, Transmission Cooler | 1 | ..... | 65" LG. |
| 22 | P17791 | Adaptor, JIC - Pipe | 2 | ..... | |
| 23 | P10819 | Nipple, Pipe | 2 | ..... | |
| 24 | P19147 | 45° Elbow, O-Ring | 2 | ..... | |
| 25 | P18938 | Connector, JIC - Pipe | 1 | ..... | |
| 26 | P15311 | Flare Nut, Brass | 1 | ..... | |
| 27 | N11442 | Fuel Line, Copper | 1 | ..... | |
| 28 | N11444 | Cover, Fuel Line | 1 | ..... | |
| 29 | P12182 | Fuel Cap | – | ..... | |
| 30 | P24983 | Stand Tube, Fuel | – | ..... | |

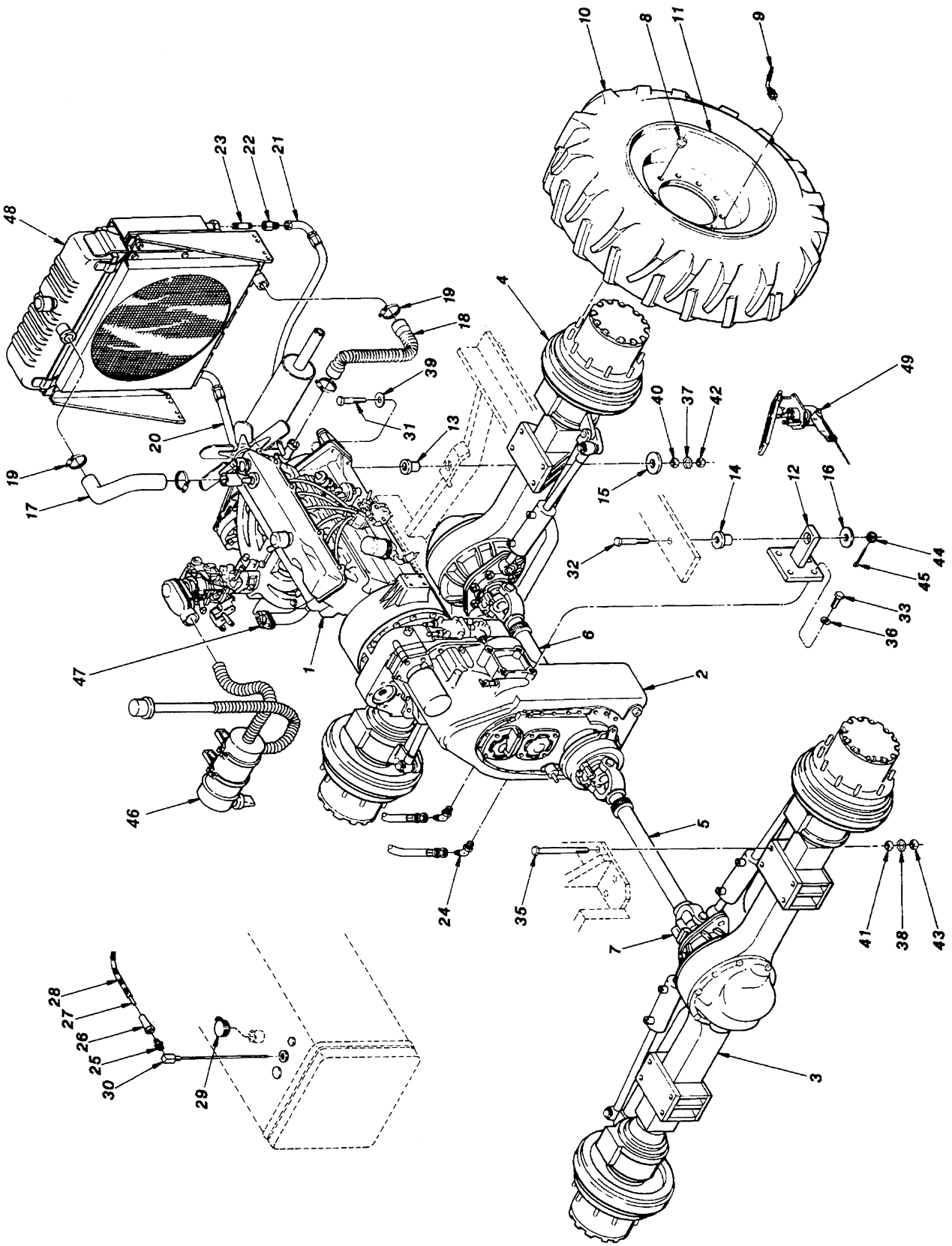



Figure 18351

## 18351 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 31 | P00689 | Bolt, Hx. | 1 | ..... | 5/8"-18 x 3 1/2" |
| 32 | P29099 | Bolt, Hx. | 2 | ..... | 5/8"-18 x 4 1/2" |
| 33 | P00700 | Bolt, Hx. | 8 | ..... | 3/4"-10 x 1 1/2" |
| NI | P00791 | Bolt, Hx. | 8 | 533 – | 3/4"-16 x 7" |
| | P00781 | Bolt, Hx. | – | 101 – 532 | 3/4"-16 x 3" |
| 35 | P00791 | Bolt, Hx. | 8 | 533 – | 3/4"-16 x 7" |
| | P00793 | Bolt, Hx. | 8 | 101 – 532 | 3/4"-16 x 8" |
| 36 | P01315 | Lockwasher | 8 | ..... | 3/4" |
| 37 | P01363 | Starwasher | 1 | ..... | 5/8" |
| 38 | P01364 | Starwasher | 16 | ..... | 3/4" |
| 39 | P01408 | Flatwasher | 1 | ..... | 5/8" |
| 40 | P01535 | Nut, Hx. | 1 | ..... | 5/8"-18 |
| 41 | P01536 | Nut, Hx. | 16 | ..... | 3/4"-16 |
| 42 | P01585 | Jam Nut, Hx. | 1 | ..... | 5/8"-18 |
| 43 | P01586 | Jam Nut, Hx. | 16 | ..... | 3/4"-16 |
| 44 | P01635 | Castle Nut, Hx. | 2 | ..... | 5/8"-18 |
| 45 | P03838 | Cotter Pin | 2 | ..... | 1/8"x 1" |
| 46 | See Page 1-10 | Air Cleaner Assembly | – | ..... | |
| 47 | See Page 1-12 | Exhaust assembly | – | ..... | |
| 48 | See Page 1-8 | Radiator Assembly | – | ..... | |
| 49 | See Page 1-6 | Throttle Assembly | – | ..... | |
| — | P12089 | Filter, Engine Oil | – | ..... | |
| — | P15267 | Filter, Fuel | – | ..... | |
| — | P19868 | Filter, Transmission | – | ..... | |

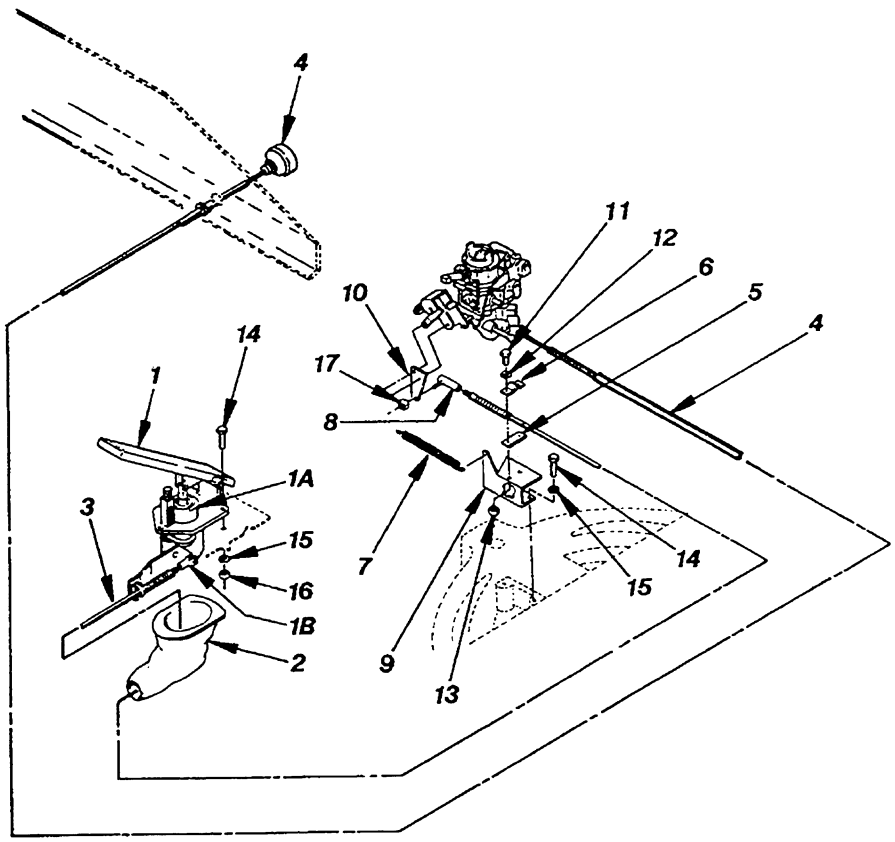



Figure 18368

## 18368

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19263 | Pedal, Accelerator | 1 | ..... | |
| 1A | P20069 | Bellows | — | ..... | |
| 1B | P20072 | Kit, Clevis | — | ..... | |
| 2 | P19268 | Boot, Guard | 1 | ..... | |
| 3 | P19264 | Cable, Throttle | 1 | ..... | |
| 4 | P20078 | Cable, Choke | 1 | ..... | |
| 5 | P19128 | Shim, Clamp | 1 | ..... | |
| 6 | P17678 | Clamp, Cable | 1 | ..... | |
| 7 | P15274 | Spring, Throttle | 1 | ..... | |
| 8 | P10505 | Ball Joint | 1 | ..... | |
| 9 | 16177A | Mounting Bracket | 1 | ..... | |
| 10 | 18119A | Link, Throttle | 1 | ..... | |
| 11 | P20057 | Screw, Rd. Hd. | 2 | ..... | #10-24 x 3/4" |
| 12 | P01306 | Lockwasher | 2 | ..... | #10 |
| 13 | P01504 | Nut, Hx. | 2 | ..... | #10-24 |
| 14 | P00005 | Bolt, Hx. | 5 | ..... | 1/4"-20 x 1" |
| 15 | P01308 | Lockwasher | 5 | ..... | 1/4" |
| 16 | P01506 | Nut, Hx. | 3 | ..... | 1/4"-20 |
| 17 | P01529 | Nut, Hx. | 1 | ..... | 1/4"-28 |

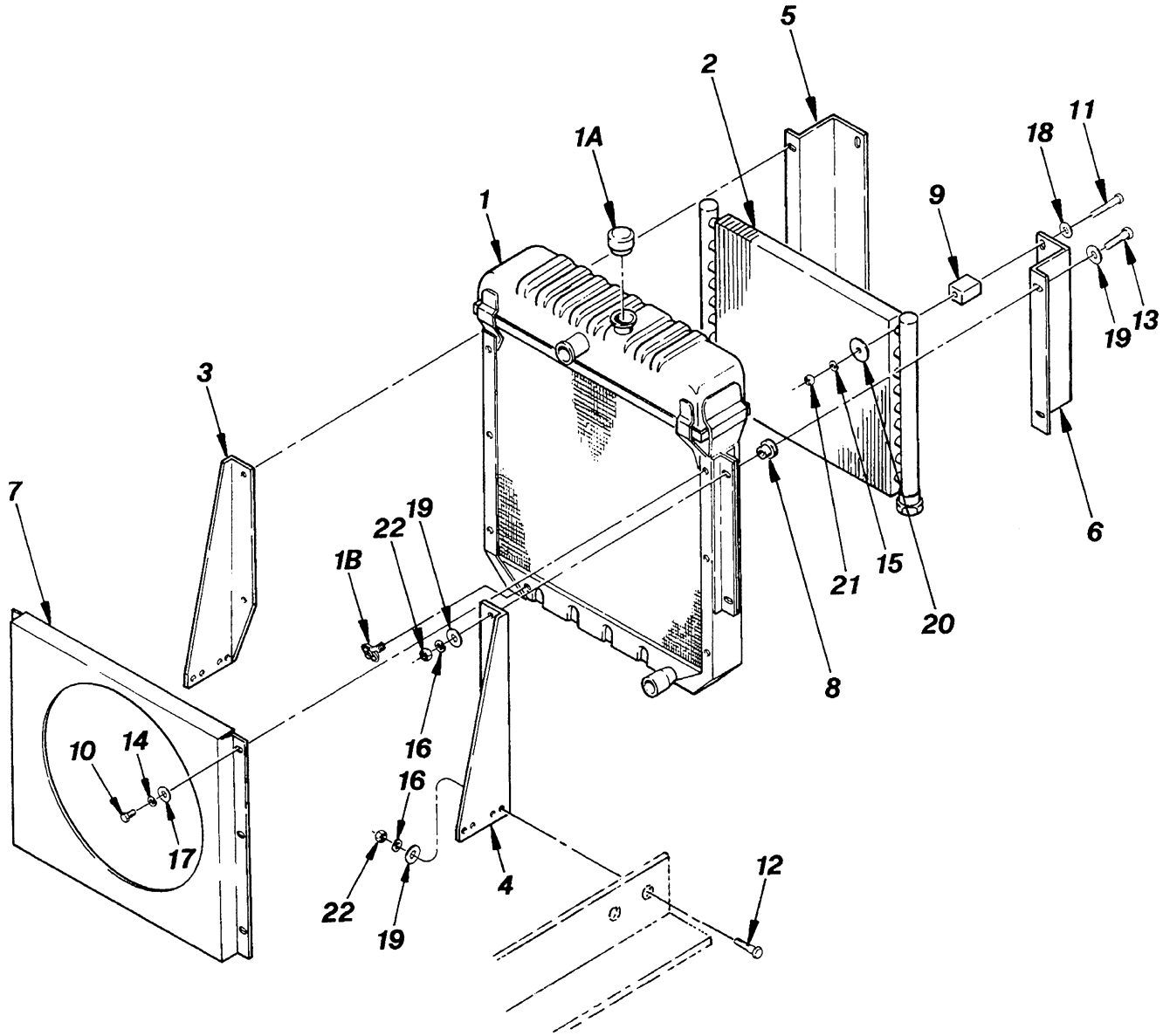



Figure 18371

## 18371

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P17876 | Radiator | 1 | ..... | |
| 1A | P13544 | Cap, Radiator | 1 | ..... | |
| 1B | P16675 | Drain Cock | 1 | ..... | |
| 2 | P17598 | Oil Cooler, Transmission | 1 | ..... | |
| 3 | 15533C | Bracket, Mounting | 1 | ..... | R.H. - Transmission |
| 4 | 15534C | Bracket, Mounting | 1 | ..... | L.H. - Transmission |
| 5 | 15538C | Bracket, Support | 1 | ..... | R.H. - Oil Cooler |
| 6 | 15539C | Bracket, Support | 1 | ..... | L.H. - Oil Cooler |
| 7 | P18013 | Fan Shroud | 1 | ..... | |
| 8 | P18723 | Grommet | 4 | ..... | Rubber |
| 9 | P26312 | Mounting Block | 4 | ..... | Rubber |
| 10 | P00001 | Bolt, Hx. | 6 | ..... | 1/4"-20 x 1/2" |
| 11 | P00111 | Bolt, Hx. | 4 | ..... | 5/16"-18 x 2 3/4" |
| 12 | P00204 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1" |
| 13 | P00206 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1 1/2" |
| 14 | P01308 | Lockwasher | 6 | ..... | 1/4" |
| 15 | P01309 | Lockwasher | 4 | ..... | 5/16" |
| 16 | P01310 | Lockwasher | 8 | ..... | 3/8" |
| 17 | P01402 | Flatwasher | 6 | ..... | 1/4" |
| 18 | P01403 | Flatwasher | 4 | ..... | 5/16" |
| 19 | P01404 | Flatwasher | 12 | ..... | 3/8" |
| 20 | P01453 | Flatwasher | 4 | ..... | 5/16" - Fender |
| 21 | P01507 | Nut, Hx. | 4 | ..... | 5/16"-18 |
| 22 | P01508 | Nut, Hx. | 8 | ..... | 3/8"-16 |

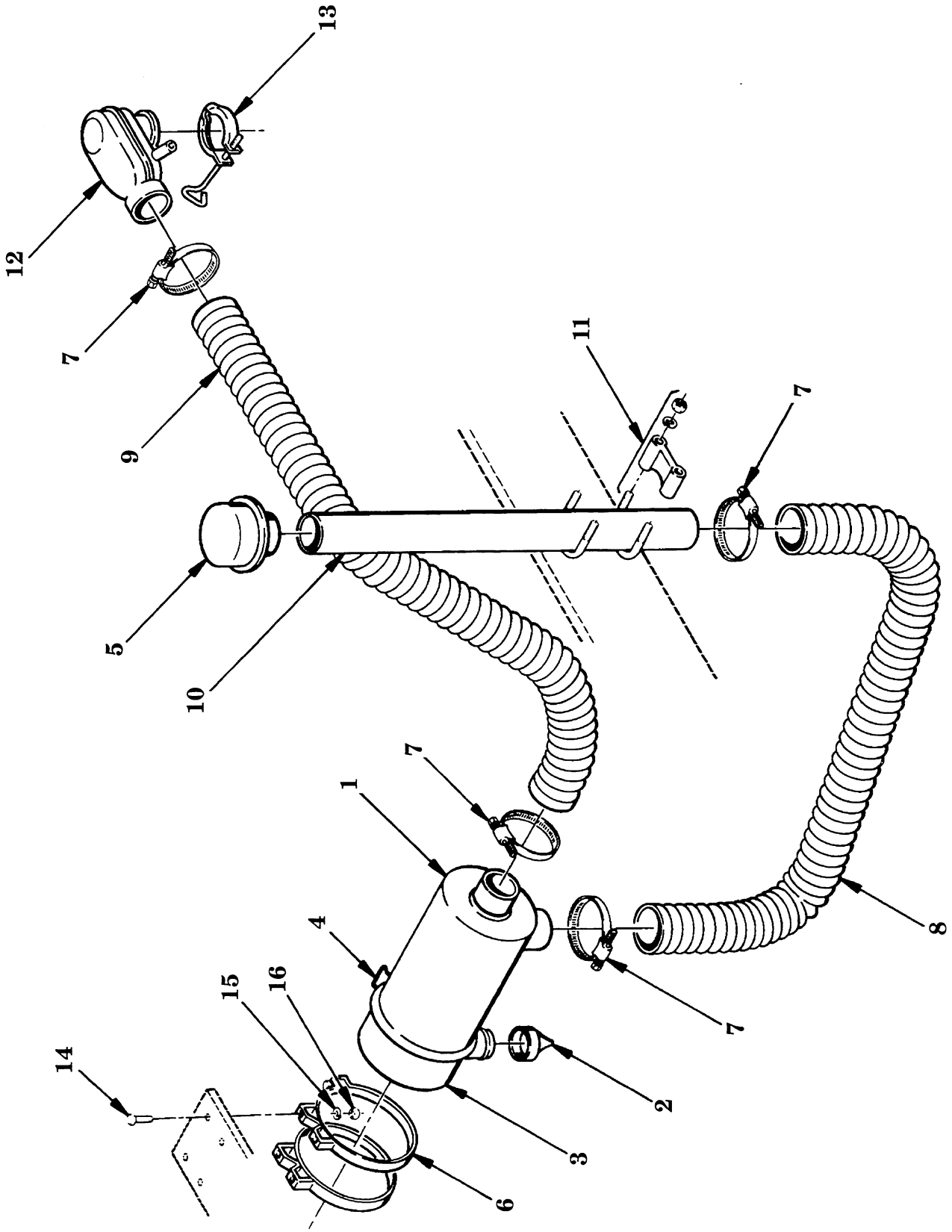



**Figure 18374**

## 18374

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P12163 | Air Cleaner | 1 | ..... | Includes Items 2 - 4, P17340, P18169, P12179 |
| 2 | P20342 | Vacuator | – | ..... | |
| 3 | P19727 | Vacuator Cup | – | ..... | |
| 4 | P20499 | Clamp, Air Cleaner | – | ..... | |
| NI | P17340 | Baffle | – | ..... | |
| NI | P18169 | Thumb Screw | – | ..... | |
| NI | P12179 | Filter Element | – | ..... | |
| 5 | P12164 | Rain Cap | 1 | ..... | |
| 6 | P12165 | Mounting Band | 2 | ..... | |
| 7 | P10601 | Clamp, Hose | 4 | ..... | |
| 8 | N12052 | Flex - Hose | 1 | ..... | |
| 9 | N12054 | Flex - Hose | 1 | ..... | |
| 10 | 18347-14C | Tube, Air Stack | 1 | ..... | |
| 11 | P12169 | Clamp, Stack Tube | 2 | ..... | |
| 12 | P17315 | Elbow | – | ..... | |
| 13 | P17567 | Clamp | – | ..... | |
| 14 | P00204 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1" |
| 15 | P01310 | Lockwasher | 4 | ..... | 3/8" |
| 16 | P01508 | Nut, Hx. | 4 | ..... | 3/8"-16 |

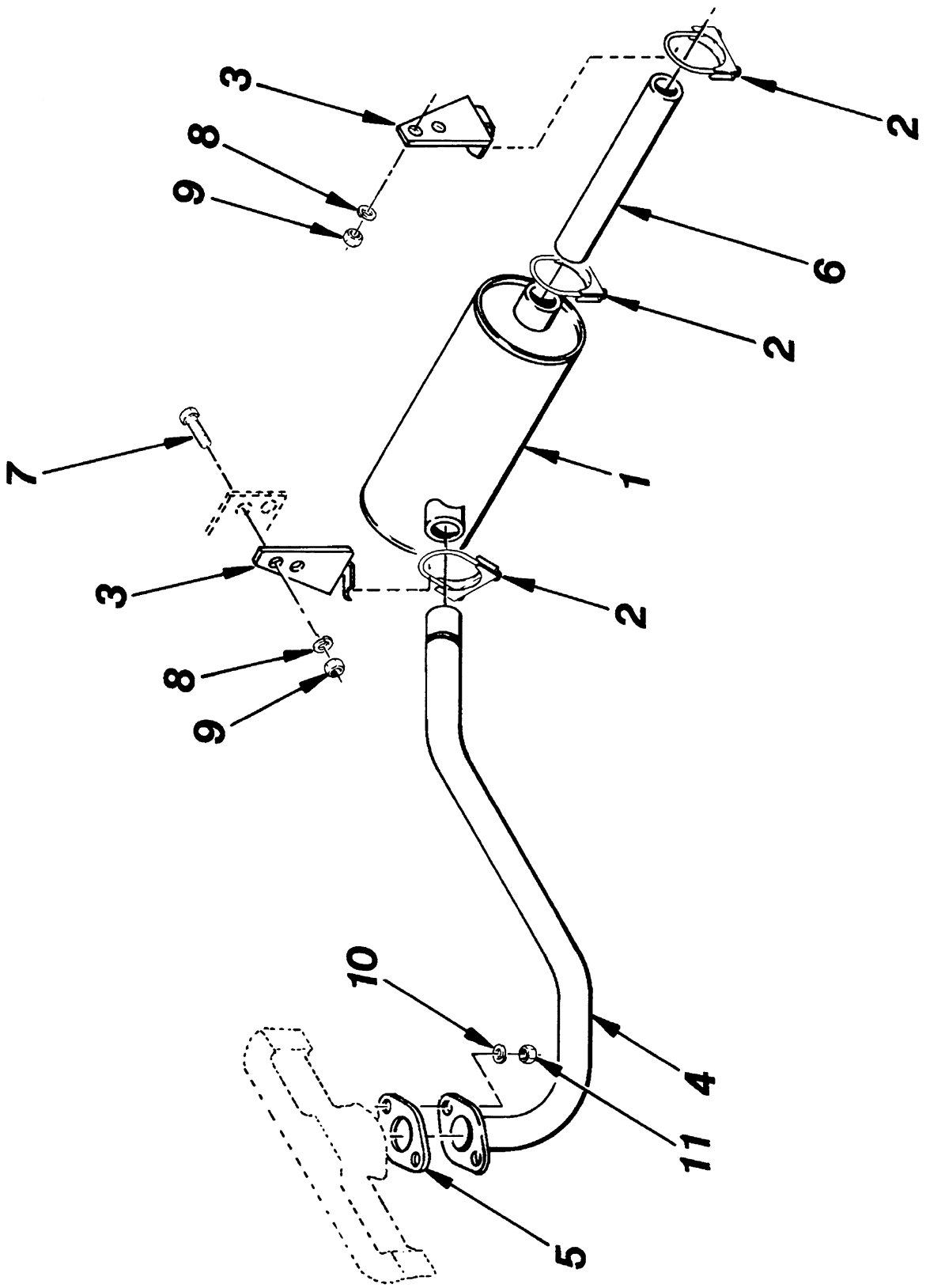



Figure 18377

## 18377

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19871 | Muffler | 1 | ..... | |
| 2 | P10548 | Clamp, Muffler | 2 | ..... | |
| 3 | P19280 | Hanger, Exhaust | 2 | ..... | |
| 4 | 16619A | Exhaust Pipe | 1 | ..... | Includes Flange |
| — | P19069 | Flange, Exhaust | – | ..... | |
| 5 | P13025 | Gasket, Exhaust Flange | 1 | ..... | |
| 6 | 18347-10C | Tail Pipe | 1 | ..... | |
| 7 | P00104 | Bolt, Hx. | 4 | ..... | 5/16"-18 x 1" |
| 8 | P01309 | Lockwasher | 4 | ..... | 5/16" |
| 9 | P01507 | Nut, Hx. | 4 | ..... | 5/16"-18 |
| 10 | P01311 | Lockwasher | 2 | ..... | 7/16" |
| 11 | P01532 | Nut, Hx. | 2 | ..... | 7/16"-20 |

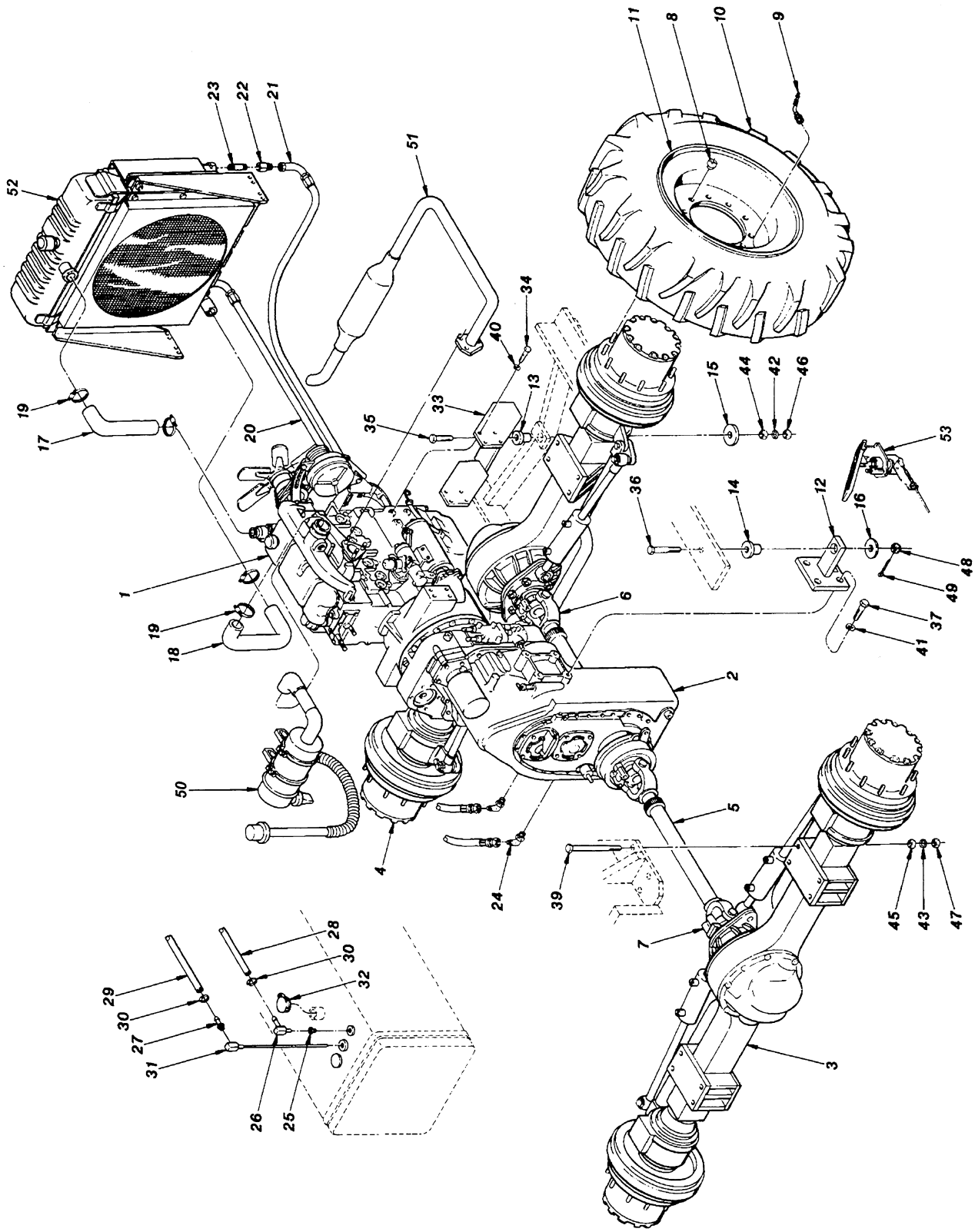



Figure 18352

## 18352 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19908 | Engine, Perkins | 1 | ..... | 236 C.I.D. 4 Cylinder |
| NI | P21995 | Starter | – | ..... | |
| NI | P20413 | Dipstick | – | ..... | |
| 2 | P19867 | Transmission, Clark | 1 | ..... | with Parking Brake |
| | P19900 | Transmission, Clark | – | ..... | w/o Parking Brake |
| 3 | P18009 | Axle | 1 | ..... | Front - Drum Brakes |
| | P21735 | Axle | – | 533 – | Front - Disc Brakes |
| | P18068 | Axle | – | 101 – 532 | Front - Disc Brakes |
| 4 | P18010 | Axle | 1 | ..... | Rear - Drum Brakes |
| | P21736 | Axle | – | 533 – | Rear - Disc Brakes |
| | P18069 | Axle | – | 101 – 532 | Rear - Disc Brakes |
| 5 | P20417 | Shaft, Drive | 1 | ..... | Front - w/Drum Brake Axles |
| | P21676 | Shaft, Drive | – | 533 – | Front - w/Disc Brake Axles |
| | P19197B | Shaft, Drive | – | 101 – 532 | Front - w/Disc Brake Axles |
| 6 | P20418 | Shaft, Drive | 1 | ..... | Rear - w/Drum Brake Axles |
| | P21678 | Shaft, Drive | – | ..... | Rear - w/Disc Brake Axles |
| NI | P17734 | U-Joint | – | ..... | Tapped Hole |
| | P18749 | U-Joint | – | ..... | Thru Hole |
| 8 | P13894 | Lug Nut, Wheel | – | ..... | |
| 9 | P13673 | Valve Stem | 4 | ..... | |
| 10 | P13020 | Tire | 4 | ..... | 12.00 x 24 8 PLY |
| | P11688 | Tire | – | ..... | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | ..... | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | ..... | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | ..... | 13.00 x 24 |
| 11 | 12749C | Rim, Wheel | 4 | ..... | |
| NI | P16439 | Lock Ring | – | ..... | |
| NI | P16441 | O-Ring | – | ..... | |
| NI | P17260 | Flange | – | ..... | |
| 12 | 17743C | Mounting Bracket, Engine | 1 | ..... | |
| 13 | P18180 | Mount, Engine | 1 | ..... | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | ..... | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 1 | ..... | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | ..... | |
| 17 | 18259B | Hose, Radiator | 1 | ..... | Upper |
| 18 | P19954 | Hose, Radiator | 1 | ..... | Lower |
| 19 | P10601 | Clamp, Hose | 4 | ..... | Radiator |
| 20 | P21348 | Hose, Transmission Cooler | 1 | ..... | 50" LG. |
| 21 | P21351 | Hose, Transmission Cooler | 1 | ..... | 65" LG. |
| 22 | P17791 | Adaptor, JIC - Pipe | 2 | ..... | |
| 23 | P18019 | Nipple, Pipe | 2 | ..... | |
| 24 | P19147 | 45° Elbow, O-Ring | 2 | ..... | |
| 25 | P10690 | Reducer Bushing | 1 | ..... | |
| 26 | P21317 | 90° Elbow, Pipe to Hose | 1 | ..... | |
| 27 | P13619 | Adapter, Pipe to Hose | 1 | ..... | |
| 28 | N11432 | Return Line | 1 | ..... | 1/4" I.D. Hose |
| 29 | N11439 | Fuel Line | 1 | ..... | 5/16" I.D. Hose |
| 30 | P14047 | Hose Clamp, Fuel Line | 4 | ..... | |
| 31 | P24983 | Stand Tube, Fuel | – | ..... | |

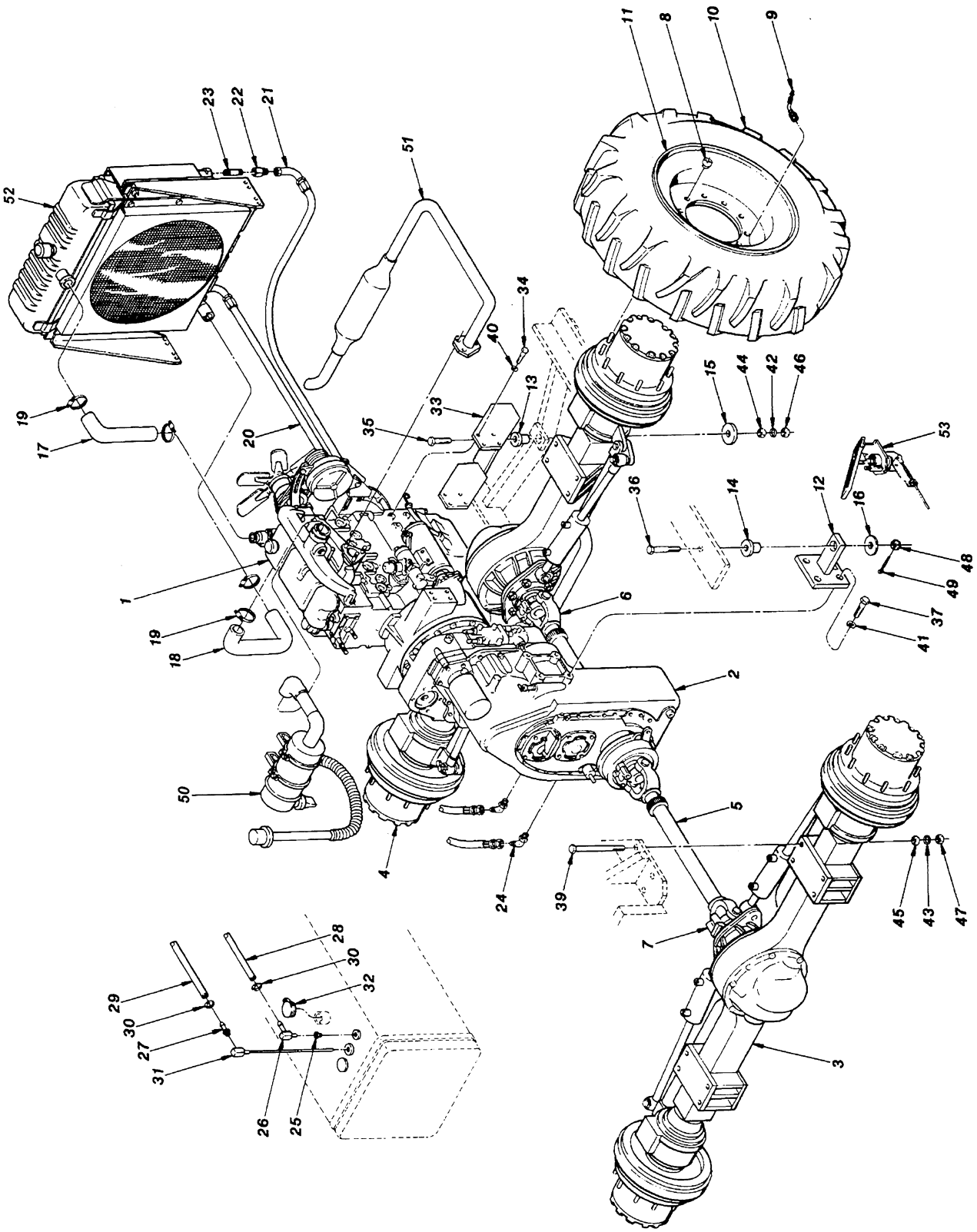



Figure 18352

## 18352 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 32 | P12182 | Fuel Cap | – | ..... | |
| 33 | 18647B | Mount, Transmission | 2 | 338 – | |
| | 18221B | Mount, Transmission | – | 101 – 337 | |
| 34 | P00380 | Bolt, Hx. | 8 | ..... | 7/16"-20 x 1 1/4" GR 8 |
| 35 | P00689 | Bolt, Hx. | 1 | ..... | 5/8"-18 x 3 1/2" GR 8 |
| 36 | P29099 | Bolt, Hx. | 2 | ..... | 5/8"-18 x 4 1/2" GR 8 (w/Hole) |
| 37 | P00700 | Bolt, Hx. | 8 | ..... | 3/4"-10 x 1 1/2" |
| NI | P00791 | Bolt, Hx. | 8 | 533 – | 3/4"-16 x 7" GR 8 |
| | P00781 | Bolt, Hx. | – | 101 – 532 | 3/4"-16 x 3" GR 8 |
| 39 | P00791 | Bolt, Hx. | 8 | 533 – | 3/4"-16 x 7" GR 8 |
| | P00793 | Bolt, Hx. | – | 101 – 532 | 3/4"-16 x 8" GR 8 |
| 40 | P01311 | Lockwasher | 8 | ..... | 7/16" |
| 41 | P01315 | Lockwasher | 8 | ..... | 3/4" |
| 42 | P01363 | Starwasher | 1 | ..... | 5/8" |
| 43 | P01364 | Starwasher | 16 | ..... | 3/4" |
| 44 | P01535 | Nut, Hx. | 1 | ..... | 5/8"-18 |
| 45 | P01536 | Nut, Hx. | 16 | ..... | 3/4"-16 |
| 46 | P01585 | Jam Nut, Hx. | 1 | ..... | 5/8"-18 |
| 47 | P01586 | Jam Nut, Hx. | 16 | ..... | 3/4"-16 |
| 48 | P01635 | Castle Nut, Hx. | 2 | ..... | 5/8"-18 |
| 49 | P03838 | Cotter Pin | 2 | ..... | 1/8" x 1" |
| 50 | See Page 1-26 | Air Cleaner Assembly | – | ..... | |
| 51 | See Page 1-28 | Exhaust assembly | – | ..... | |
| 52 | See Page 1-24 | Radiator Assembly | – | ..... | |
| 53 | See Page 1-22 | Throttle Assembly | – | ..... | |
| — | P20498 | Filter, Engine Oil | – | ..... | Element |
| — | P20995 | Filter, Engine Oil | – | ..... | Spin-On |
| — | P21001 | Filter, Fuel | – | ..... | |
| — | P19868 | Filter, Transmission | – | ..... | |

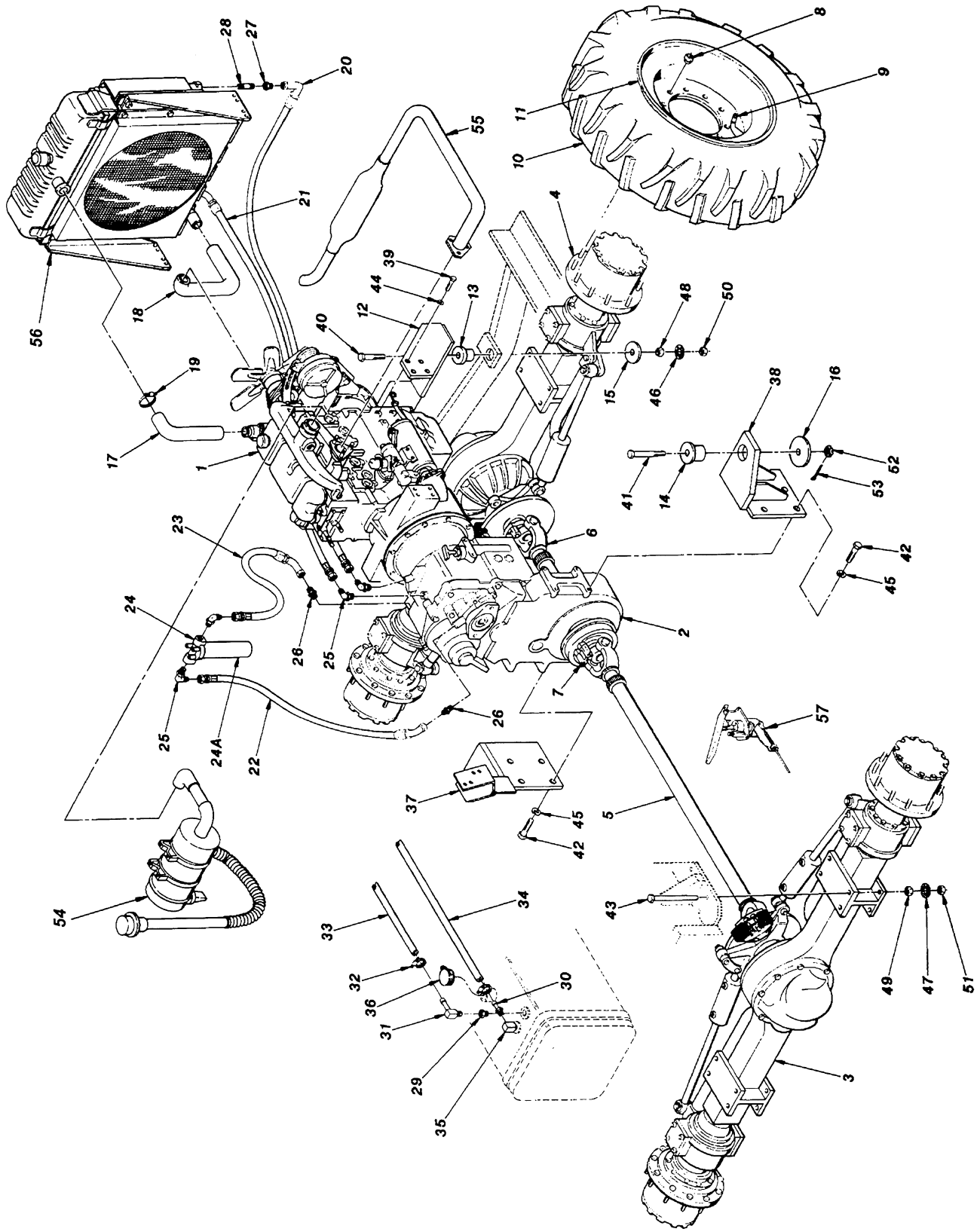



**Figure 18352-1**

## 18352-1 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19908 | Engine, Perkins | 1 | ..... | 236 C.I.D. 4 Cylinder |
| NI | P21995 | Starter | – | ..... | |
| NI | P20413 | Dipstick | – | ..... | |
| 2 | P19506 | Transmission, Funk | 1 | ..... | |
| 3 | P21765 | Axle | 1 | ..... | Front (Includes Item 8) |
| 4 | P21766 | Axle | 1 | ..... | Rear (Includes Item 8) |
| 5 | P21779 | Shaft, Drive | 1 | ..... | Front (Includes Cross & Bearing) |
| 6 | P24270 | Shaft, Drive | 1 | ..... | Rear (Includes Cross & Bearing) |
| NI | P18749 | U-Joint | – | ..... | |
| 8 | P13894 | Lug Nut, Wheel | – | ..... | |
| 9 | P13673 | Valve Stem | 4 | ..... | |
| 10 | P11688 | Tire | 4 | ..... | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | ..... | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | ..... | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | ..... | 13.00 x 24 |
| 11 | 12749C | Rim, Wheel | 4 | ..... | |
| NI | P16439 | Lock Ring | – | ..... | |
| NI | P16441 | O-Ring | – | ..... | |
| NI | P17260 | Flange | – | ..... | |
| 12 | 17743C | Mounting Bracket, Engine | 1 | ..... | |
| 13 | P18180 | Mount, Engine | 1 | ..... | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | ..... | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 1 | ..... | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | ..... | |
| 17 | 18259B | Hose, Radiator | 1 | ..... | Upper |
| 18 | P19954 | Hose, Radiator | 1 | ..... | Lower |
| 19 | P10601 | Clamp, Hose | 4 | ..... | Radiator |
| 20 | P21302 | Hose, Transmission Cooler | 1 | ..... | 70" LG. |
| 21 | P21348 | Hose, Transmission Cooler | 1 | ..... | 50" LG. |
| 22 | P18050 | Hose, Transmission Filter | 1 | ..... | 33" LG. |
| 23 | P17789 | Hose, Transmission Filter | 1 | ..... | 24" LG. |
| 24 | P19132 | Base, Transmission Filter | 1 | ..... | |
| 24A | P19133 | Filter, Transmission | – | ..... | |
| 25 | P17802 | 90° Elbow, O-Ring | 3 | ..... | |
| | 17960A | 90° Elbow, O-Ring | 1 | ..... | (with Tapped Hole) |
| 26 | P17805 | Connector, O-Ring | 2 | ..... | |
| 27 | P17791 | Adapter, JIC - Pipe | 2 | ..... | |
| 28 | P10819 | Nipple, Pipe | 2 | ..... | |
| 29 | P10690 | Reducer Bushing | 1 | ..... | |
| 30 | P13619 | Adapter, Pipe to Hose | 1 | ..... | |
| 31 | P21317 | 90° Elbow, Pipe to Hose | 2 | ..... | |
| 32 | P14047 | Hose Clamp, Fuel Line | 4 | ..... | |
| 33 | N11432 | Return Line | 1 | ..... | 1/4" I.D. Hose |
| 34 | N11439 | Fuel Line | 1 | ..... | 5/16" I.D. Hose |
| 35 | P24983 | Stand Tube, Fuel | – | ..... | |
| 36 | P12182 | Fuel Cap | – | ..... | |
| 37 | 18086B | Mount, Transmission | 1 | ..... | R.H. |
| 38 | 18087B | Mount, Transmission | 1 | ..... | L.H. |
| 39 | P00380 | Bolt, Hx. | 8 | ..... | 7/16"-20 x 1 1/4" |

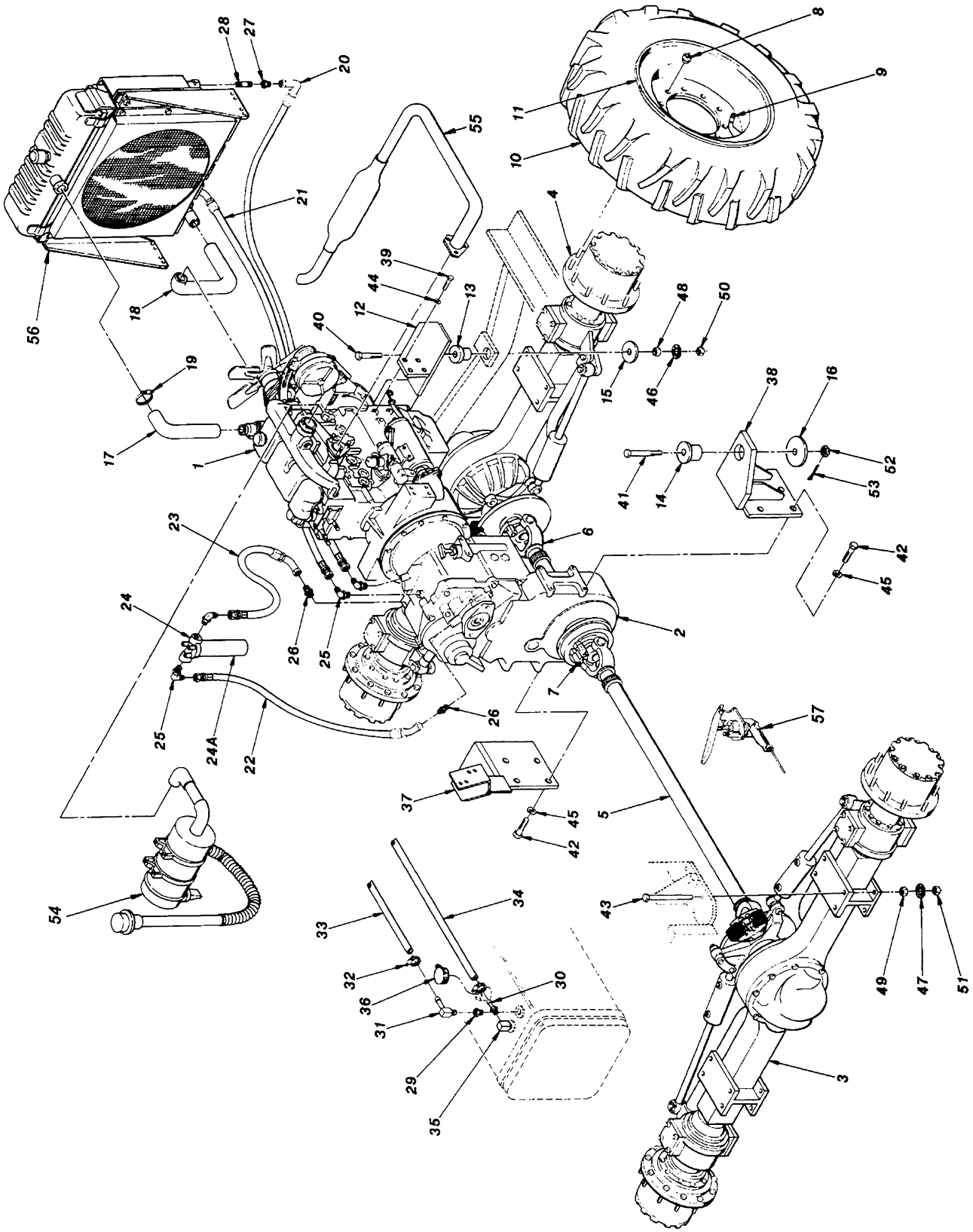



**Figure 18352-1**

## 18352-1 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 40 | P00689 | Bolt, Hx. | 1 | ..... | 5/8"-18 x 3 1/2" |
| 41 | P29099 | Bolt, Hx. | 2 | ..... | 5/8"-18 x 4 1/2" |
| 42 | P00700 | Bolt, Hx. | 8 | ..... | 3/4"-10 x 1 1/2" |
| 43 | P00791 | Bolt, Hx. | 16 | ..... | 3/4"-16 x 7" |
| 44 | P01311 | Lockwasher | 8 | ..... | 7/16" |
| 45 | P01315 | Lockwasher | 8 | ..... | 3/4" |
| 46 | P01363 | Starwasher | 1 | ..... | 5/8" |
| 47 | P01364 | Starwasher | 16 | ..... | 3/4" |
| 48 | P01535 | Nut, Hx. | 1 | ..... | 5/8"-18 |
| 49 | P01536 | Nut, Hx. | 16 | ..... | 3/4"-16 |
| 50 | P01585 | Jam Nut, Hx. | 1 | ..... | 5/8"-16 |
| 51 | P01586 | Jam Nut, Hx. | 16 | ..... | 3/4"-16 |
| 52 | P01635 | Castle Nut, Hx. | 2 | ..... | 5/8"-18 |
| 53 | P03838 | Cotter Pin | 2 | ..... | 1/8" x 1" |
| 54 | See Page 1-26 | Air Cleaner Assembly | – | ..... | |
| 55 | See Page 1-28 | Exhaust assembly | – | ..... | |
| 56 | See Page 1-24 | Radiator Assembly | – | ..... | |
| 57 | See Page 1-22 | Throttle Assembly | – | ..... | |
| — | P20995 | Filter, Engine Oil | – | ..... | |
| — | P21001 | Filter, Fuel | – | ..... | |

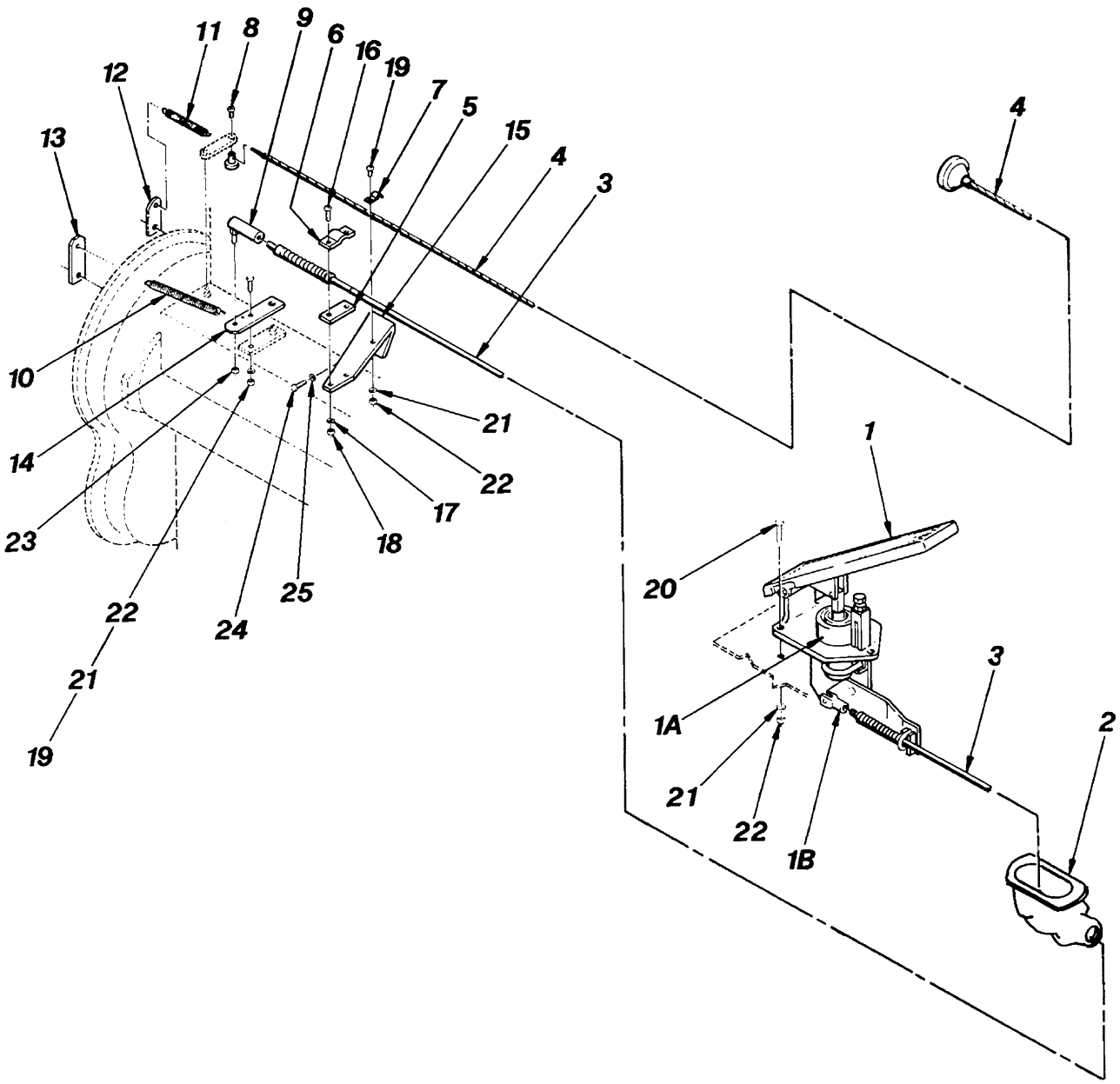



Figure 18369

## 18369

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19263 | Pedal, Accelerator | 1 | ..... | |
| 1A | P20069 | Bellows | – | ..... | |
| 1B | P20072 | Kit, Clevis | – | ..... | |
| 2 | P19268 | Boot, Guard | 1 | ..... | |
| 3 | P19264 | Cable, Throttle | 1 | ..... | |
| 4 | P20078 | Cable, Engine Shut-Off | 1 | ..... | |
| 5 | P19128 | Shim, Clamp | 1 | ..... | |
| 6 | P17678 | Clamp, Throttle Cable | 1 | ..... | |
| 7 | P12497 | Clamp, Shut - Off Cable | 1 | ..... | |
| 8 | P20455 | Cable Stop | 1 | ..... | |
| 9 | P10505 | Ball Joint | 1 | ..... | |
| 10 | P15274 | Spring, Throttle | 1 | ..... | |
| 11 | P17337 | Spring, Shut Off | 1 | ..... | |
| 12 | 17786A | Anchor, Spring, Shut-Off | 1 | ..... | |
| 13 | 17770A | Anchor, Spring, Throttle | 1 | ..... | |
| 14 | 17771A | Link, Throttle | 1 | ..... | |
| 15 | 17772B | Bracket, Mounting | 1 | ..... | |
| 16 | P02057 | Screw, Rd. Hd. | 2 | ..... | #10-24 x 3/4" |
| 17 | P01306 | Lockwasher | 2 | ..... | #10 |
| 18 | P01504 | Nut, Hx. | 2 | ..... | #10-24 |
| 19 | P00001 | Bolt, Hx. | 2 | ..... | 1/4"-20 x 1/2" |
| 20 | P00005 | Bolt, Hx. | 3 | ..... | 1/4"-20 x 1" |
| 21 | P01308 | Lockwasher | 5 | ..... | 1/4" |
| 22 | P01506 | Nut, Hx. | 5 | ..... | 1/4"-20 |
| 23 | P01529 | Nut, Hx. | 1 | ..... | 1/4"-28 |
| 24 | P00150 | Bolt, Hx. | 2 | ..... | 5/16"-24 x 1/2" |
| 25 | P01309 | Lockwasher | 2 | ..... | 5/16" |

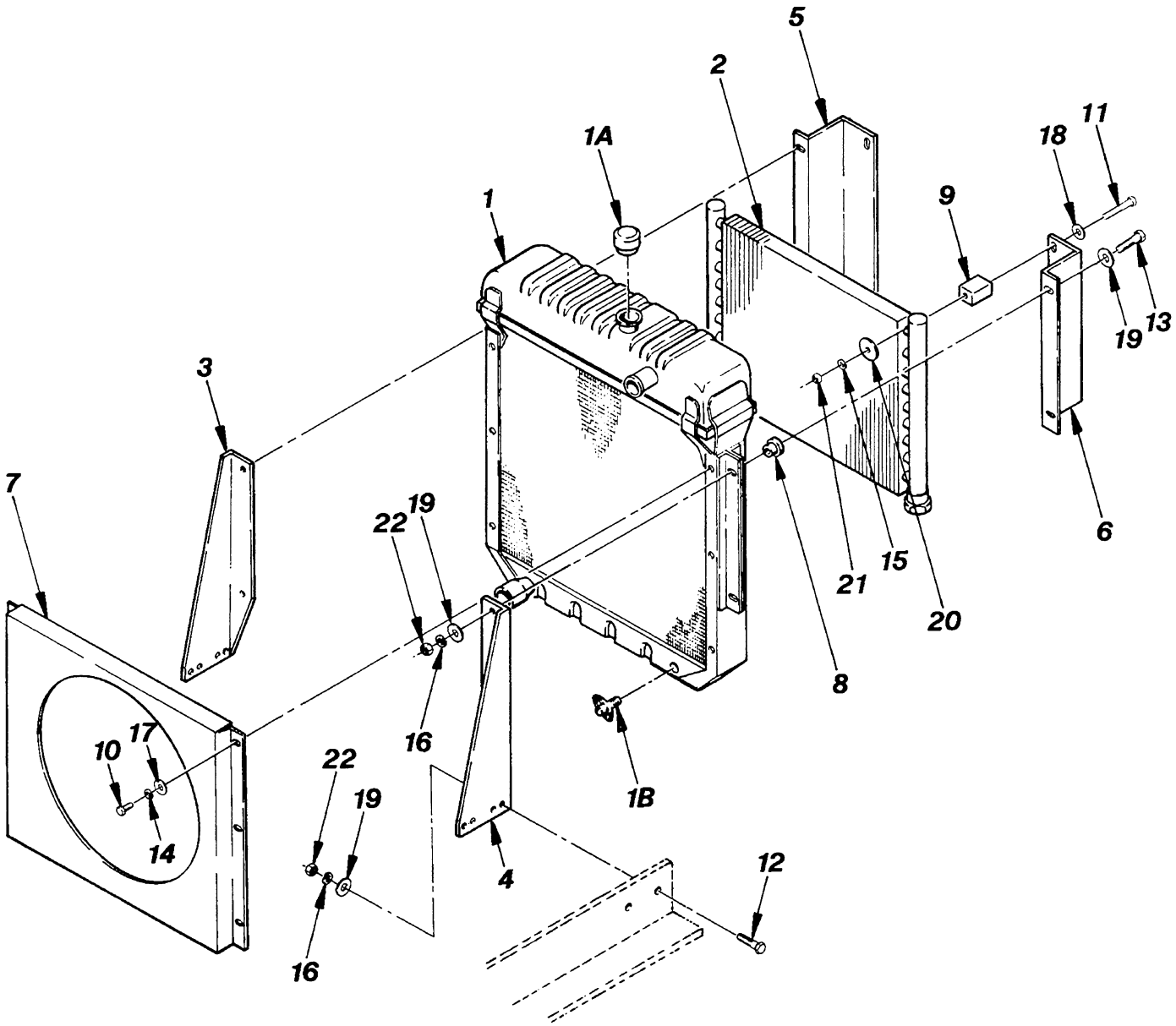



Figure 18372

## 18372

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P18055 | Radiator | 1 | ..... | |
| 1A | P13544 | Cap, Radiator | – | ..... | |
| 1B | P16675 | Drain Cock | – | ..... | |
| 2 | P17598 | Oil Cooler, Transmission | 1 | ..... | |
| 3 | 18519-1C | Mounting Bracket, R.H. | 1 | 127 – | Transmission |
| | P20488 | Mounting Bracket, R.H. | – | 101 – 126 | Transmission |
| 4 | 18519-2C | Mounting Bracket, L.H. | 1 | 127 – | Transmission |
| | 15555-1B | Mounting Bracket, L.H. | – | 101 – 126 | Transmission |
| 5 | 15538C | Support Bracket, R.H. | 1 | ..... | Oil Cooler |
| 6 | 15539C | Support Bracket, L.H. | 1 | ..... | Oil Cooler |
| 7 | P21386 | Fan Shroud | 1 | 127 – | |
| | 15555-2B | Fan Shroud | 1 | 101 – 126 | |
| 8 | P18723 | Rubber Grommet | 4 | ..... | |
| 9 | P26312 | Rubber Mounting Block | 4 | ..... | |
| 10 | P00001 | Bolt, Hx. | 6 | ..... | 1/4"-20 x 1/2" |
| 11 | P00111 | Bolt, Hx. | 4 | ..... | 5/16"-18 x 2 3/4" |
| 12 | P00204 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1" |
| 13 | P00206 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1 1/2" |
| 14 | P01308 | Lockwasher | 6 | ..... | 1/4" |
| 15 | P01309 | Lockwasher | 4 | ..... | 5/16" |
| 16 | P01310 | Lockwasher | 8 | ..... | 3/8" |
| 17 | P01402 | Flatwasher | 6 | ..... | 1/4" |
| 18 | P01403 | Flatwasher | 4 | ..... | 5/16" |
| 19 | P01404 | Flatwasher | 12 | ..... | 3/8" |
| 20 | P01453 | Flatwasher | 4 | ..... | 5/16" - Fender |
| 21 | P01507 | Nut, Hx. | 4 | ..... | 5/16"-18 |
| 22 | P01508 | Nut, Hx. | 8 | ..... | 3/8"-16 |

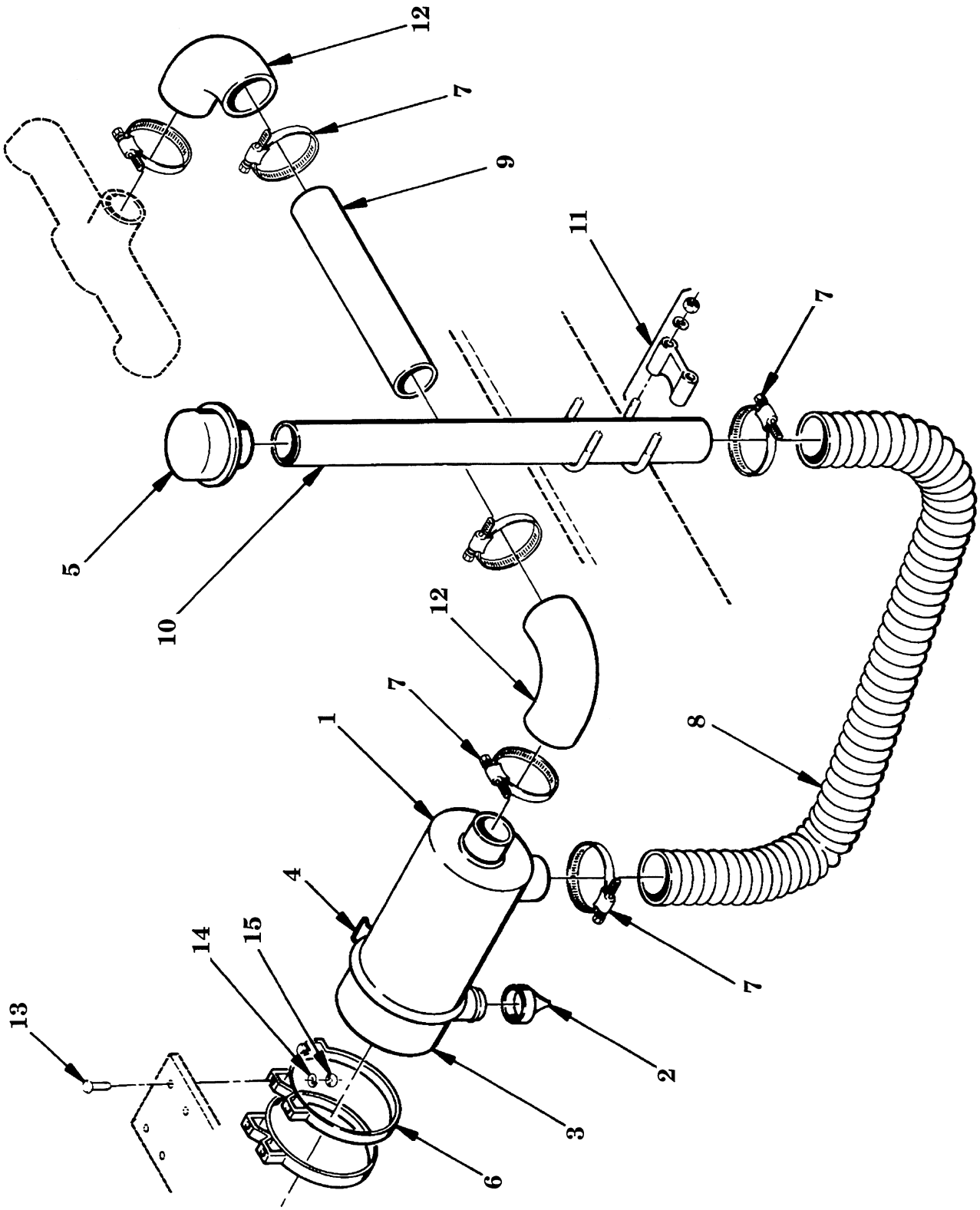



Figure 18375

## 18375

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P12163 | Air Cleaner | 1 | ..... | |
| 2 | P20342 | Vacuator Valve | – | ..... | |
| 3 | P19727 | Vacuator Cup | – | ..... | |
| 4 | P20499 | Clamp, Air Cleaner | – | ..... | |
| NI | P17340 | Baffle | – | ..... | |
| NI | P18169 | Thumb Screw | – | ..... | |
| NI | P12179 | Filter Element | – | ..... | |
| 5 | P12164 | Rain Cap | 1 | ..... | |
| 6 | P12165 | Mounting Band | 2 | ..... | |
| 7 | P10601 | Hose Clamp | 6 | ..... | |
| 8 | N12053 | Flex - Hose | 1 | ..... | |
| 9 | 18347-7C | Tube, Air Intake | 1 | ..... | |
| 10 | 18347-14C | Tube, Air Stack | 1 | ..... | |
| 11 | P12169 | Clamp, Stack Tube | 2 | ..... | |
| 12 | P19873 | Elbow, Rubber | 2 | ..... | |
| 13 | P00204 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1" |
| 14 | P01310 | Lockwasher | 4 | ..... | 3/8" |
| 15 | P01508 | Nut, Hx. | 4 | ..... | 3/8"-16 |

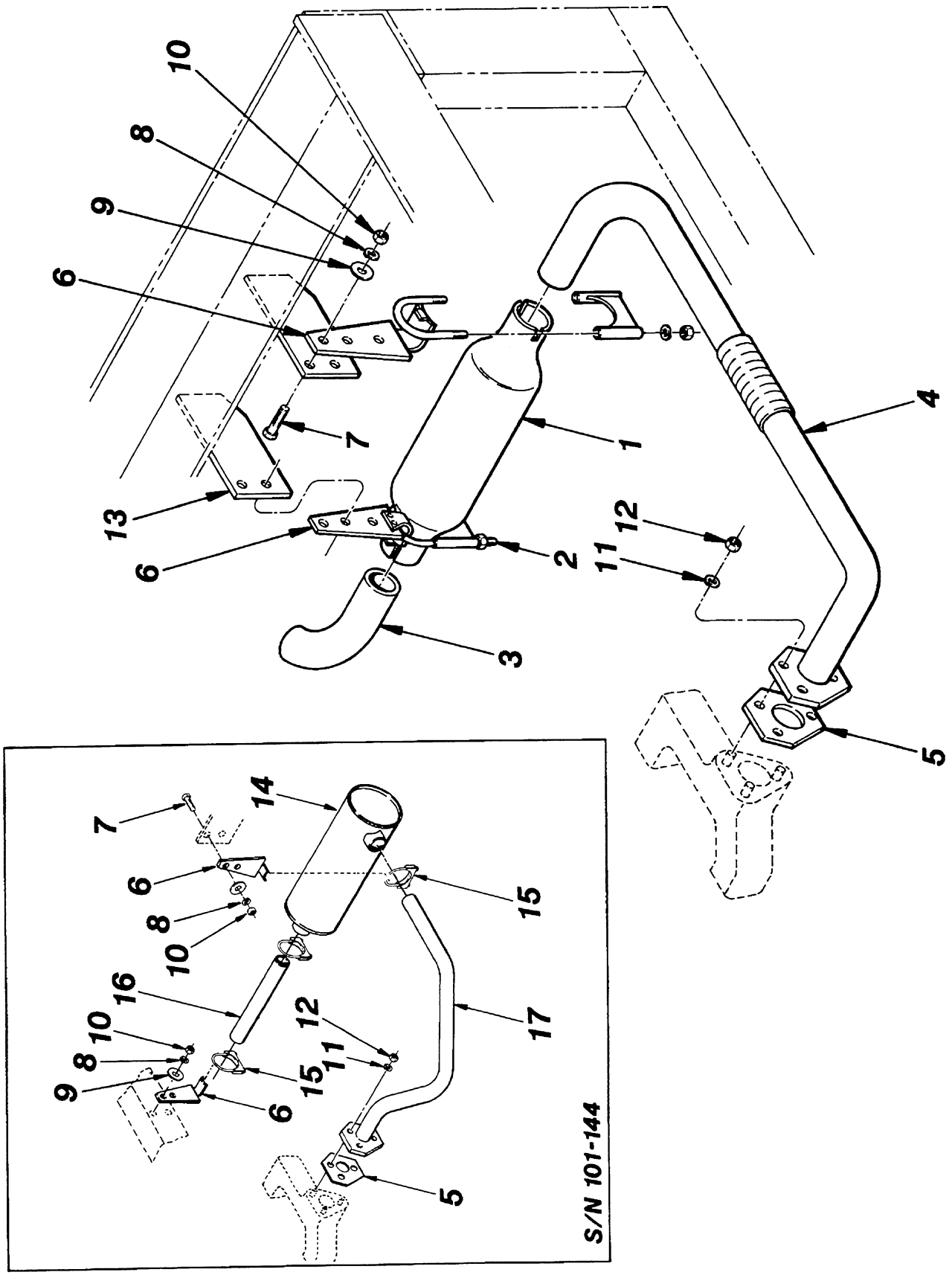



Figure 18378

## 18378

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P14149 | Muffler | 1 | ..... | |
| 2 | P12169 | Clamp, Muffler | 2 | ..... | |
| 3 | P14148 | Tail Pipe | 1 | ..... | |
| 4 | 18509C | Exhaust Pipe | 1 | ..... | |
| 5 | P22197 | Gasket, Exhaust Flange | 1 | ..... | |
| 6 | P19280 | Hanger, Exhaust | 2 | ..... | |
| 7 | P00104 | Bolt, Hx. | 4 | ..... | 5/16"-18 x 1" |
| 8 | P01309 | Lockwasher | 4 | ..... | 5/16" |
| 9 | P01403 | Flatwasher | 4 | ..... | 5/16" |
| 10 | P01507 | Nut, Hx. | 4 | ..... | 5/16"-18 |
| 11 | P01310 | Lockwasher | 3 | ..... | 3/8" |
| 12 | P01531 | Nut, Hx. | 3 | ..... | 3/8"-24 |
| 13 | 18508A | Hanger Bracket | – | ..... | |
| 14 | N.L.A. | Muffler | – | 101 – 144 | Order 26017B, Exhaust Retrofit Kit. Incl. Items 1-13. Welding Required. |
| 15 | P10548 | Clamp, Muffler | 3 | 101 – 144 | |
| 16 | 18347-8C | Tail Pipe | 1 | 101 – 144 | |
| 17 | 18272C | Exhaust Pipe | 1 | 101 – 144 | |

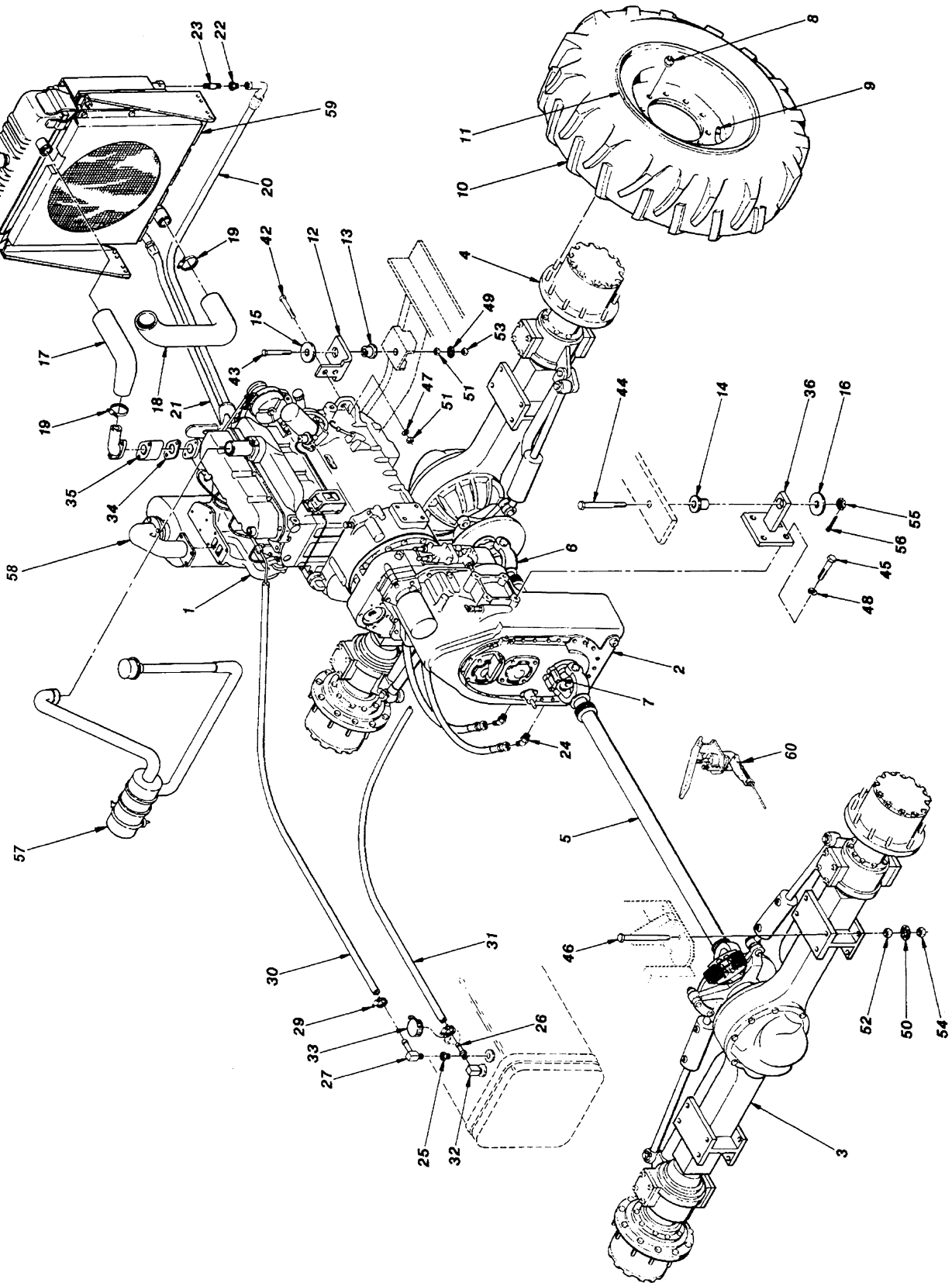



Figure 18352-2

## 18352-2 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P21990 | Engine, Deere | 1 | ..... | 239 C.I.D. 4 Cylinder |
| 2 | P19900 | Transmission, Clark | 1 | ..... | |
| 3 | P21735 | Axle | 1 | ..... | Front (Includes Item 8) |
| 4 | P21736 | Axle | 1 | ..... | Rear (Includes Item 8) |
| 5 | P21676 | Shaft, Drive | 1 | ..... | Front (Includes Cross & Bearing) |
| 6 | P21678 | Shaft, Drive | 1 | ..... | Rear (Includes Cross & Bearing) |
| NI | P18749 | U-Joint | – | ..... | |
| 8 | P13894 | Lug Nut, Wheel | – | ..... | |
| 9 | P13673 | Valve Stem | 4 | ..... | |
| 10 | P11688 | Tire | 4 | ..... | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | ..... | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | ..... | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | ..... | 13.00 x 24 |
| 11 | 12749C | Rim, Wheel | 4 | ..... | |
| NI | P16439 | Lock Ring | – | ..... | |
| NI | P16441 | O-Ring | – | ..... | |
| NI | P17260 | Flange | – | ..... | |
| 12 | 18668B | Mounting Bracket, Engine | 2 | ..... | |
| 13 | P18180 | Mount, Engine | 2 | ..... | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | ..... | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 2 | ..... | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | ..... | |
| 17 | P21988 | Hose, Radiator | 1 | ..... | Upper |
| 18 | P21987 | Hose, Radiator | 1 | ..... | Lower |
| 19 | P10601 | Clamp, Hose | 4 | ..... | Radiator |
| 20 | P21352 | Hose, Transmission Cooler | 1 | ..... | 68" LG. |
| 21 | P21348 | Hose, Transmission Cooler | 1 | ..... | 50" LG. |
| 22 | P17791 | Adaptor, JIC - Pipe | 2 | ..... | |
| 23 | P10819 | Nipple, Pipe | 2 | ..... | |
| 24 | P19147 | 45° Elbow, O-Ring | 2 | ..... | |
| 25 | P10690 | Reducer Bushing | 1 | ..... | |
| 26 | P13619 | Adapter, Pipe to Hose | 1 | ..... | |
| 27 | P21317 | 90° Elbow, Pipe to Hose - Fuel Tank | 1 | ..... | |
| NI | P21236 | 90° Elbow, Pipe to Hose - Fuel Pump | 1 | ..... | |
| 29 | P14047 | Hose Clamp, Fuel Line | 4 | ..... | |
| 30 | N11433 | Return Line | 1 | ..... | 1/4" I.D. Hose |
| 31 | N11435 | Fuel Line | 1 | ..... | 5/16" I.D. Hose |
| 32 | P24983 | Stand Tube, Fuel | – | ..... | |
| 33 | P12182 | Fuel Cap | – | ..... | |
| 34 | P25386 | Gasket, Thermostat | – | ..... | |
| 35 | P21785 | Extension, Thermostat Housing | 1 | ..... | |
| | 18412B | Extension | – | ..... | use with Optional Heater |
| 36 | 18647B | Mount, Transmission | 2 | ..... | |
| NI | P00604 | Bolt, Hx. | 2 | ..... | 5/8"-11 x 2" |
| 42 | P00605 | Bolt, Hx. | 2 | ..... | 5/8"-11 x 2 1/4" |
| 43 | P00689 | Bolt, Hx. | 2 | ..... | 5/8"-18 x 3 1/2" |

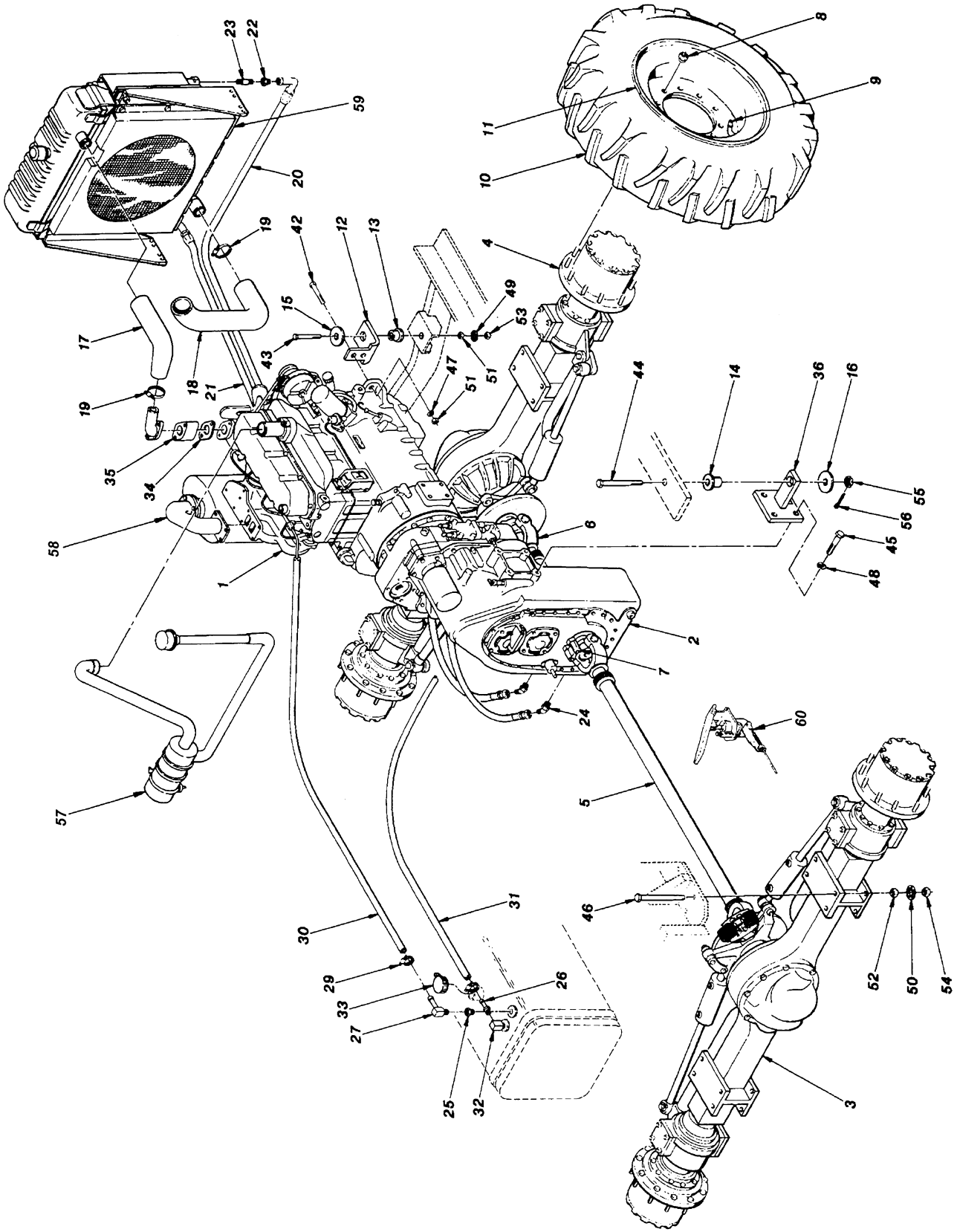



Figure 18352-2

## 18352-2 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 44 | P29099 | Bolt, Hx. | 2 | ..... | 5/8"-18 x 4 1/2" |
| 45 | P00700 | Bolt, Hx. | 8 | ..... | 3/4"-10 x 1 1/2" |
| 46 | P00791 | Bolt, Hx. | 16 | ..... | 3/4"-16 x 7" |
| 47 | P01314 | Lockwasher | 4 | ..... | 5/8" |
| 48 | P01315 | Lockwasher | 8 | ..... | 3/4" |
| 49 | P01363 | Starwasher | 2 | ..... | 5/8" |
| 50 | P01364 | Starwasher | 16 | ..... | 3/4" |
| 51 | P01535 | Nut, Hx. | 4 | ..... | 5/8"-18 |
| 52 | P01536 | Nut, Hx. | 16 | ..... | 3/4"-16 |
| 53 | P01585 | Jam Nut, Hx. | 2 | ..... | 5/8"-16 |
| 54 | P01586 | Jam Nut, Hx. | 16 | ..... | 3/4"-16 |
| 55 | P01635 | Castle Nut, Hx. | 2 | ..... | 5/8"-18 |
| 56 | P03838 | Cotter Pin | 2 | ..... | 1/8" x 1" |
| 57 | See Page 1-60 | Air Cleaner Assembly | – | ..... | |
| 58 | See Page 1-64 | Exhaust assembly | – | ..... | |
| 59 | See Page 1-56 | Radiator Assembly | – | ..... | |
| 60 | See Page 1-54 | Throttle Assembly | – | ..... | |
| — | P26635 | Filter, Engine Oil | – | ..... | |
| — | P22636 | Filter, Fuel | – | ..... | |
| — | P19868 | Filter, Transmission | – | ..... | |

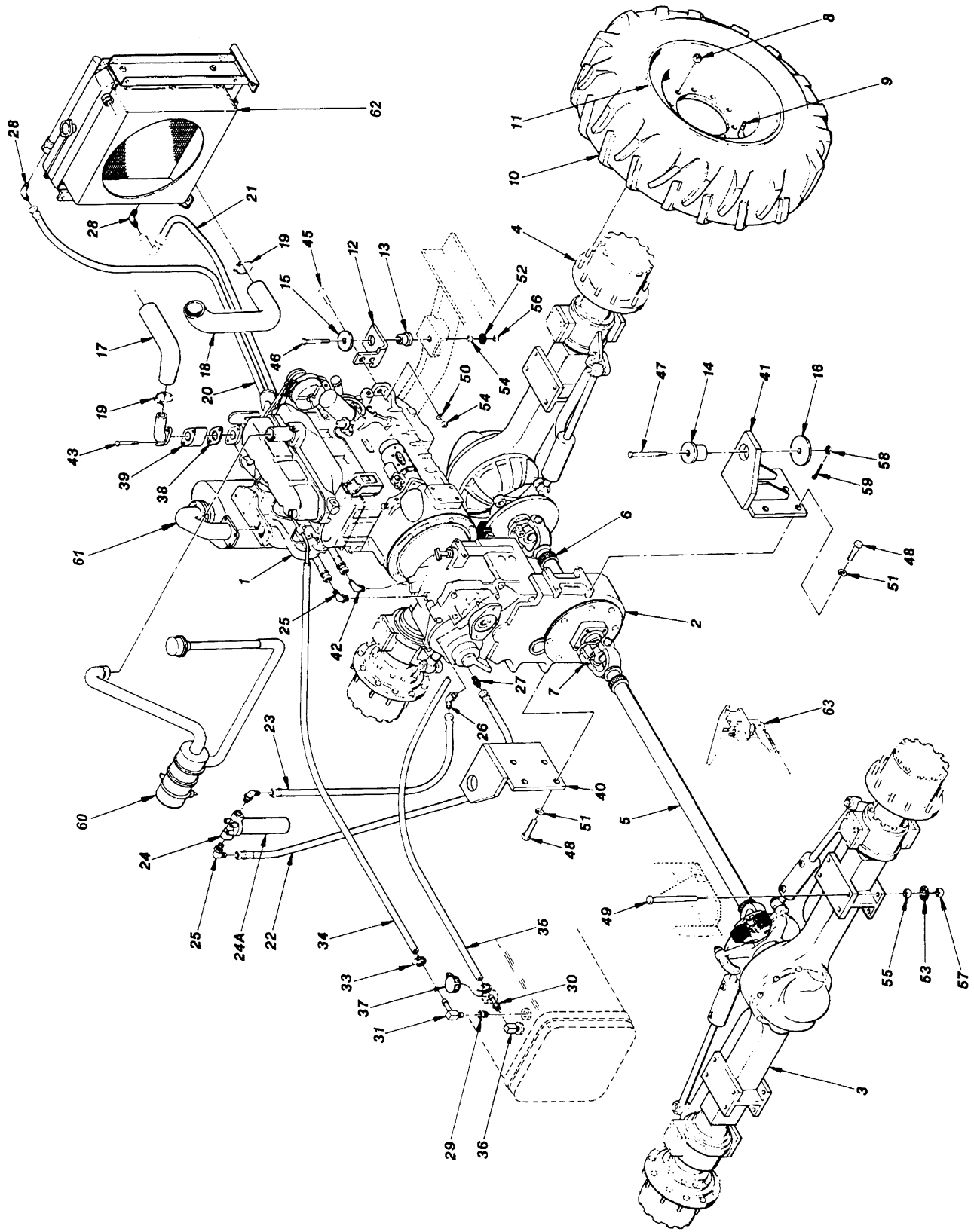



Figure 18352-3

## 18352-3 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 20998A | Engine, Deere | 1 | 101–603, 606–822 | 239 C.I.D. 4 Cylinder |
| | P21991 | Engine, Deere | – | 604 & 605 | 239 C.I.D. 4 Cylinder |
| 2 | P22645 | Transmission, Funk | 1 | 101–603, 606–822 | |
| | P19506 | Transmission, Clark | – | 604 & 605 | |
| 3 | P21765 | Axle | 1 | 101–822 | Front (Includes Item 8) |
| 4 | P21766 | Axle | 1 | 101–822 | Rear (Includes Item 8) |
| 5 | P24271 | Shaft, Drive | 1 | 101–603, 606–822 | Front (Includes Cross & Bearing) |
| | P21779 | Shaft, Drive | 1 | 604 & 605 | Front (Includes Cross & Bearing) |
| 6 | P24270 | Shaft, Drive | 1 | 101–822 | Rear (Includes Cross & Bearing) |
| NI | P18749 | U-Joint | – | "–" | Thru Hole |
| | P17734 | U-Joint | – | "–" | Tapped Hole |
| 8 | P13894 | Lug Nut, Wheel | – | "–" | |
| 9 | P13673 | Valve Stem | 4 | "–" | |
| 10 | P11688 | Tire | 4 | "–" | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | "–" | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | "–" | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | "–" | 13.00 x 24 |
| 11 | 12749C | Rim, Wheel | 4 | "–" | |
| NI | P16439 | Lock Ring | – | "–" | |
| NI | P16441 | O-Ring | – | "–" | |
| NI | P17260 | Flange | – | "–" | |
| 12 | 18668B | Mounting Bracket, Engine | 2 | "–" | |
| 13 | P18180 | Mount, Engine | 2 | "–" | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | "–" | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 2 | "–" | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | "–" | |
| 17 | P24298 | Hose, Radiator | 1 | 771, 774–822 | Upper |
| | P21988 | Hose, Radiator | – | 101–770, 772, 773 | Upper |
| 18 | P21987 | Hose, Radiator | 1 | 101–822 | Lower |
| 19 | P10601 | Clamp, Hose | 4 | 101–822 | Radiator |
| 20 | P24638 | Hose, Transmission Cooler | 1 | 771, 774–822 | 88" LG. |
| | P21348 | Hose, Transmission Cooler | 1 | 101–770, 772, 773 | 50" LG. |
| 21 | P21301 | Hose, Transmission Cooler | 1 | 771, 774–822 | 60" LG. |
| | P21302 | Hose, Transmission Cooler | 1 | 101–770, 772, 773 | 70" LG. |
| 22 | P20922 | Hose, Transmission Filter | 1 | 101–603, 606–822 | 42" LG. |
| | P19489 | Hose, Transmission Filter | 1 | 604 & 605 | 31" LG. |
| 23 | P18048 | Hose, Transmission Filter | 1 | 101–822 | 31" LG. |
| 24 | P19132 | Base, Transmission Filter | – | "–" | |
| 24A | P19133 | Filter, Transmission | – | "–" | |
| 25 | P17802 | 90° Elbow, O-Ring | 3 | "–" | |
| 26 | P19147 | 45° Elbow, O-Ring | 1 | "–" | |
| 27 | P17805 | Connector, O-Ring | 1 | "–" | |
| 28 | P17808 | 90° Elbow, JIC-Pipe | 2 | 771, 774–822 | |
| | P10819 | Nipple, Pipe | – | 101–770, 772, 773 | |
| | P17791 | Adapter, JIC - Pipe | – | 101–770, 772, 773 | |
| 29 | P10690 | Reducer Bushing | 1 | 101–822 | |
| 30 | P13619 | Adapter, Pipe to Hose | 1 | "–" | |
| 31 | P21317 | 90° Elbow, Pipe to Hose - Fuel Tank | 1 | "–" | |

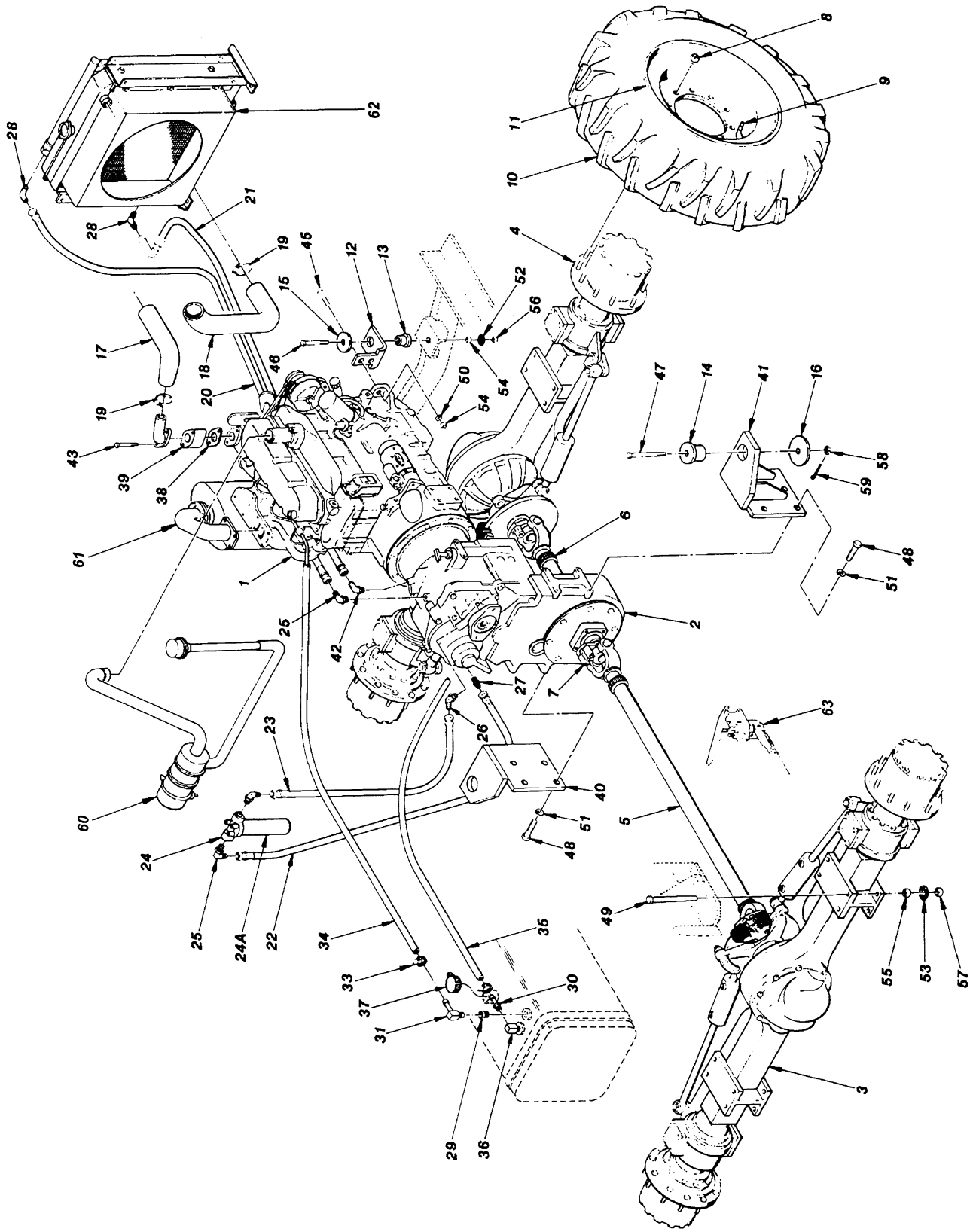



Figure 18352-3

## 18352-3 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 32 | P21236 | 90L Elbow, Pipe to Hose - Fuel Pump | 1 | "–" | |
| 33 | P14047 | Hose Clamp, Fuel Line | 4 | "–" | |
| 34 | N11433 | Return Line | 1 | "–" | 1/4" I.D. Hose |
| 35 | N11437 | Fuel Line | 1 | "–" | 5/16" I.D. Hose |
| 36 | P24983 | Stand Tube, Fuel | – | "–" | |
| 37 | P12182 | Fuel Cap | – | "–" | |
| 38 | P25386 | Gasket, Thermostat | – | "–" | |
| 39 | P21785 | Extension, Thermostat Housing | 1 | "–" | |
| | 18412B | Extension | – | "–" | Use with Optional Heater |
| 40 | 18079B | Mount, Transmission | 1 | "–" | R.H. |
| 41 | 18086B | Mount, Transmission | 1 | "–" | L.H. |
| 42 | 17960A | 90° Elbow w/Tapped Hole, O-Ring | 1 | "–" | |
| 43 | P00213 | Bolt, Hx. | 2 | "–" | 3/8"-16 x 3 1/4" |
| 44 | P00604 | Bolt, Hx. | 2 | "–" | 5/8"-11 x 2" |
| 45 | P00605 | Bolt, Hx. | 2 | "–" | 5/8"-11 x 2 1/4" |
| 46 | P00689 | Bolt, Hx. | 2 | "–" | 5/8"-18 x 3 1/2" |
| 47 | P29099 | Bolt, Hx. | 2 | "–" | 5/8"-18 x 4 1/2" |
| 48 | P00700 | Bolt, Hx. | 8 | "–" | 3/4"-10 x 1 1/2" |
| 49 | P00791 | Bolt, Hx. | 16 | "–" | 3/4"-16 x 7" |
| 50 | P01314 | Lockwasher | 4 | "–" | 5/8" |
| 51 | P01315 | Lockwasher | 8 | "–" | 3/4" |
| 52 | P01363 | Starwasher | 2 | "–" | 5/8" |
| 53 | P01364 | Starwasher | 16 | "–" | 3/4" |
| 54 | P01535 | Nut, Hx. | 4 | "–" | 5/8"-18 |
| 55 | P01536 | Nut, Hx. | 16 | "–" | 3/4"-16 |
| 56 | P01585 | Jam Nut, Hx. | 2 | "–" | 5/8"-16 |
| 57 | P01586 | Jam Nut, Hx. | 16 | "–" | 3/4"-16 |
| 58 | P01635 | Castle Nut, Hx. | 2 | "–" | 5/8"-18 |
| 59 | P03838 | Cotter Pin | 2 | "–" | 1/8" x 1" |
| 60 | See Page 1-60 | Air Cleaner Assembly | – | ..... | |
| 61 | See Page 1-64 | Exhaust assembly | – | ..... | |
| 62 | See Page 1-56 | Radiator Assembly | – | ..... | |
| 63 | See Page 1-54 | Throttle Assembly | – | ..... | |

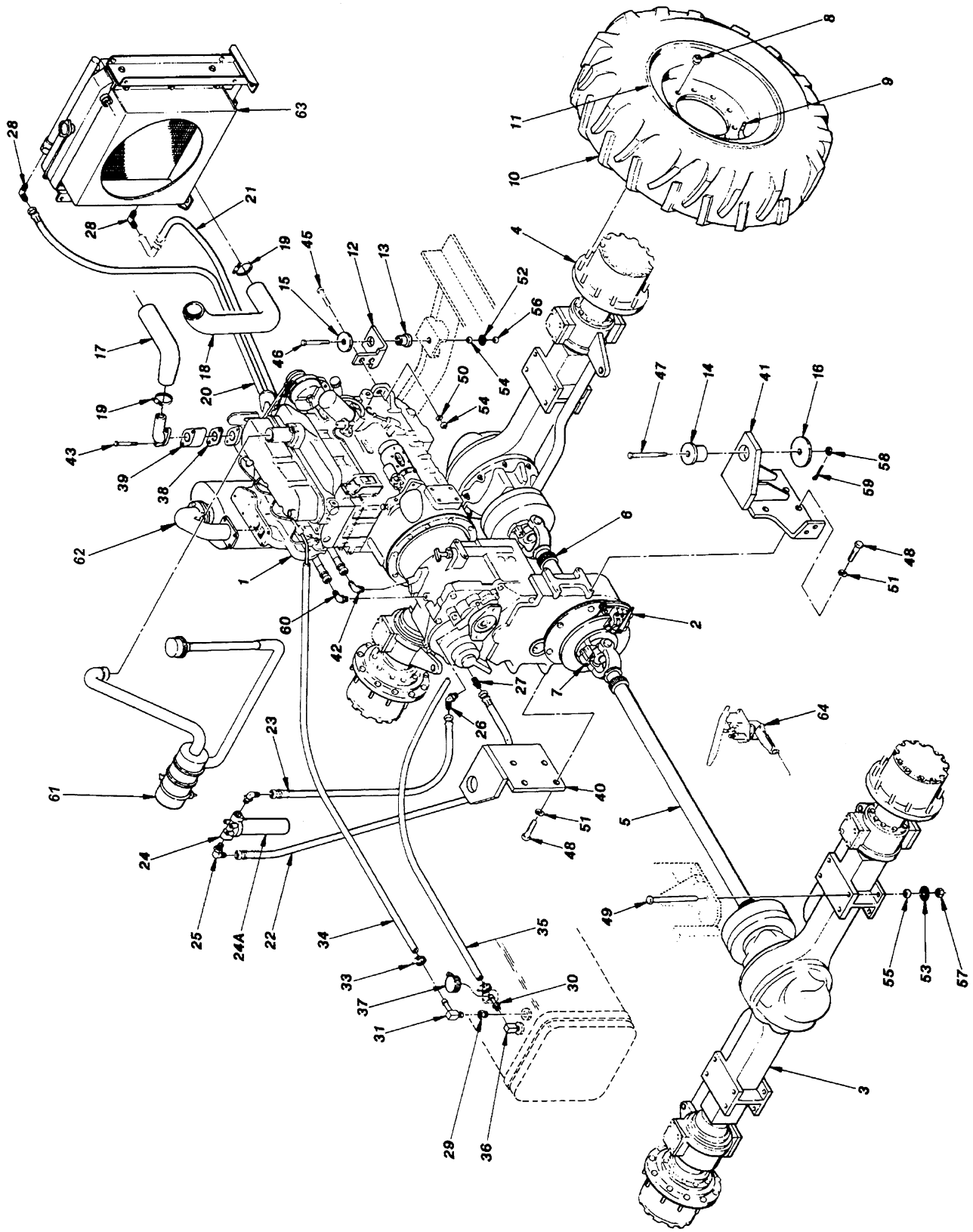



Figure 18352-4

## 18352-4 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 20998A | Engine, Deere | 1 | 823–1694 | 239 C.I.D. 4 Cylinder |
| 2 | P24605 | Transmission, Funk | 1 | "–" | |
| 3 | P24801 | Axle | 1 | "–" | Front (Includes Item 8) |
| 4 | P24800 | Axle | 1 | "–" | Rear (Includes Item 8) |
| 5 | P24721 | Shaft, Drive | 1 | "–" | Front (Includes Cross & Bearing) |
| 6 | P24720 | Shaft, Drive | 1 | "–" | Rear (Includes Cross & Bearing) |
| NI | P18749 | U-Joint | – | "–" | |
| 8 | P13894 | Lug Nut, Wheel | – | "–" | |
| 9 | P13673 | Valve Stem | 4 | "–" | |
| 10 | P11688 | Tire | 4 | "–" | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | "–" | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | "–" | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | "–" | 13.00 x 24 |
| 11 | 12749C | Rim, Wheel | 4 | "–" | |
| NI | P16439 | Lock Ring | – | "–" | |
| NI | P16441 | O-Ring | – | "–" | |
| NI | P17260 | Flange | – | "–" | |
| 12 | 18668B | Mounting Bracket, Engine | 2 | "–" | |
| 13 | P18180 | Mount, Engine | 2 | "–" | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | "–" | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 2 | "–" | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | "–" | |
| 17 | P24298 | Hose, Radiator | 1 | 823–924, 996–1694 | Upper |
| | P24299 | Hose, Radiator | 1 | 925–995 | Upper |
| 18 | P21987 | Hose, Radiator | 1 | 823–1694 | Lower |
| 19 | P10601 | Clamp, Hose | 4 | "–" | Radiator |
| 20 | P24638 | Hose, Transmission Cooler | 1 | "–" | 88" LG. |
| 21 | P21301 | Hose, Transmission Cooler | 1 | "–" | 60" LG. |
| 22 | P20922 | Hose, Transmission Filter | 1 | "–" | 42" LG. |
| 23 | P18048 | Hose, Transmission Filter | 1 | "–" | 31" LG. |
| 24 | P19132 | Base, Transmission Filter | – | "–" | |
| 24A | P19133 | Filter, Transmission | – | "–" | |
| 25 | P20359 | 90° Elbow, O-Ring | 2 | "–" | |
| 26 | P19147 | 45° Elbow, O-Ring | 1 | "–" | |
| 27 | P17805 | Connector, O-Ring | 1 | "–" | |
| 28 | P17808 | 90° Elbow, JIC-Pipe | 2 | "–" | |
| 29 | P10690 | Reducer Bushing | 1 | "–" | |
| 30 | P13619 | Adapter, Pipe to Hose | 1 | "–" | |
| 31 | P21317 | 90° Elbow, Pipe to Hose - Fuel Tank | 1 | "–" | |
| 32 | P21236 | 90° Elbow, Pipe to Hose - Fuel Pump | 1 | "–" | |
| 33 | P14047 | Hose Clamp, Fuel Line | 4 | "–" | |
| 34 | N11433 | Return Line | 1 | "–" | 1/4" I.D. Hose |
| 35 | N11437 | Fuel Line | 1 | "–" | 5/16" I.D. Hose |
| 36 | P24983 | Stand Tube, Fuel | – | "–" | |
| 37 | P12182 | Fuel Cap | – | "–" | |
| 38 | P25386 | Gasket, Thermostat | – | "–" | |

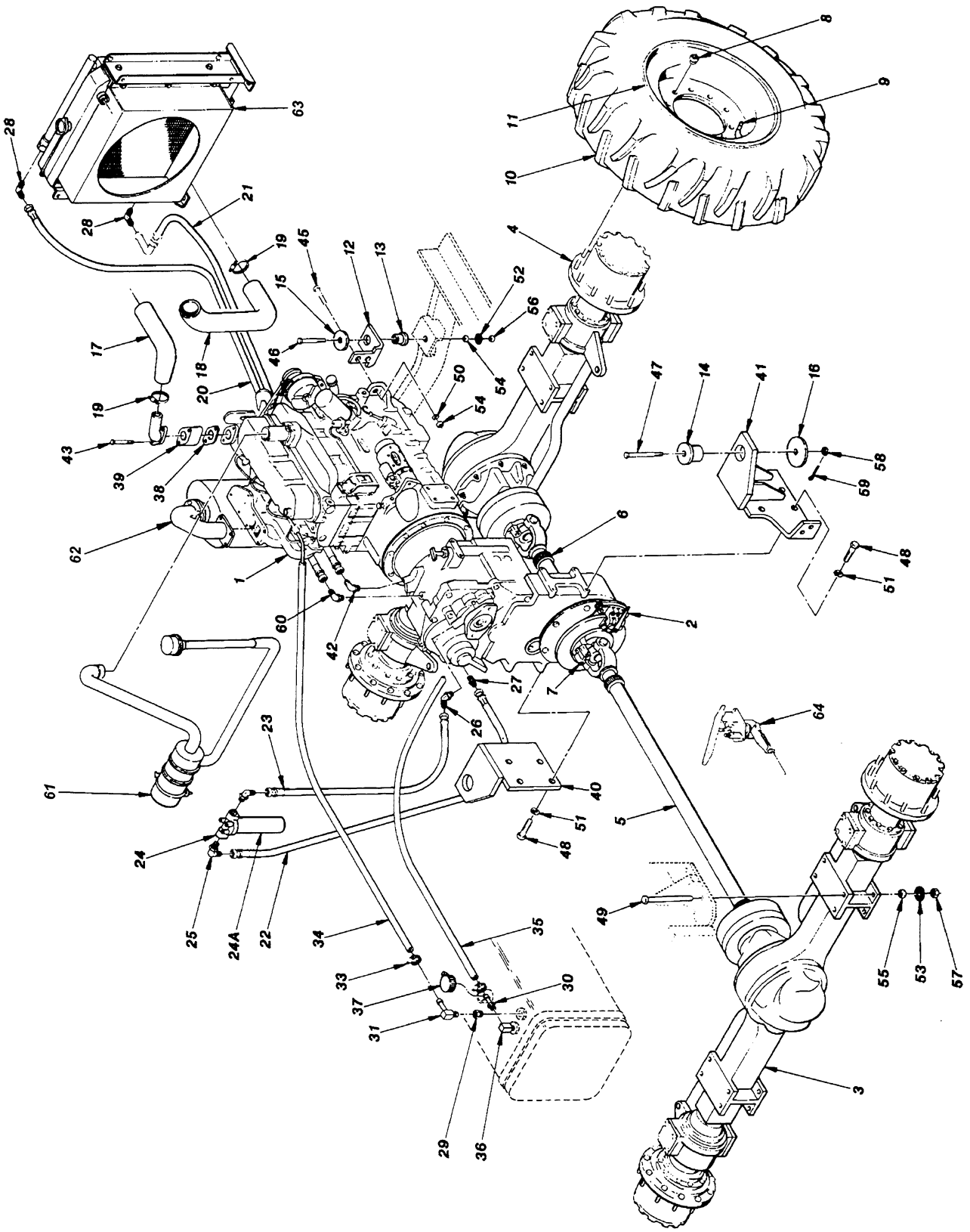



Figure 18352-4

## 18352-4 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 39 | P21785 | Extension, Thermostat Housing | 1 | "–" | |
| | 18412B | Extension | – | "–" | Use with Optional Heater |
| 40 | 18079B | Mount, Transmission | 1 | "–" | R.H. |
| 41 | 21488C | Mount, Transmission | 1 | "–" | L.H. |
| 42 | 17960A | 90° Elbow w/Tapped Hole, O-Ring | 1 | "–" | |
| 43 | P00213 | Bolt, Hx. | 2 | "–" | 3/8"-16 x 3 1/4" |
| 44 | P00604 | Bolt, Hx. | 2 | "–" | 5/8"-11 x 2" |
| 45 | P00605 | Bolt, Hx. | 2 | "–" | 5/8"-11 x 2 1/4" |
| 46 | P00689 | Bolt, Hx. | 2 | "–" | 5/8"-18 x 3 1/2 |
| 47 | P29099 | Bolt, Hx. | 2 | "–" | 5/8"-18 x 4 1/2" |
| 48 | P00700 | Bolt, Hx. | 8 | "–" | 3/4"-10 x 1 1/2" |
| 49 | P00791 | Bolt, Hx. | 16 | "–" | 3/4"-16 x 7" |
| 50 | P01314 | Lockwasher | 4 | "–" | 5/8" |
| 51 | P01315 | Lockwasher | 8 | "–" | 3/4" |
| 52 | P01363 | Starwasher | 2 | "–" | 5/8" |
| 53 | P01364 | Starwasher | 16 | "–" | 3/4" |
| 54 | P01535 | Nut, Hx. | 4 | "–" | 5/8"-18 |
| 55 | P01536 | Nut, Hx. | 16 | "–" | 3/4"-16 |
| 56 | P01585 | Jam Nut, Hx. | 2 | "–" | 5/8"-16 |
| 57 | P01586 | Jam Nut, Hx. | 16 | "–" | 3/4"-16 |
| 58 | P01635 | Castle Nut, Hx. | 2 | "–" | 5/8"-18 |
| 59 | P03838 | Cotter Pin | 2 | "–" | 1/8" x 1" |
| 60 | P17802 | 90° Elbow, O-Ring | 1 | "–" | |
| 61 | See Page 1-62 | Air Cleaner Assembly | – | ..... | |
| 62 | See Page 1-64 | Exhaust assembly | – | ..... | |
| 63 | See Page 1-58 | Radiator Assembly | – | ..... | |
| 64 | See Page 1-54 | Throttle Assembly | – | ..... | |
| NI | P22635 | Filter, Engine Oil | – | 823–1694 | |
| NI | P22636 | Filter, Fuel | – | 823–1694 | |

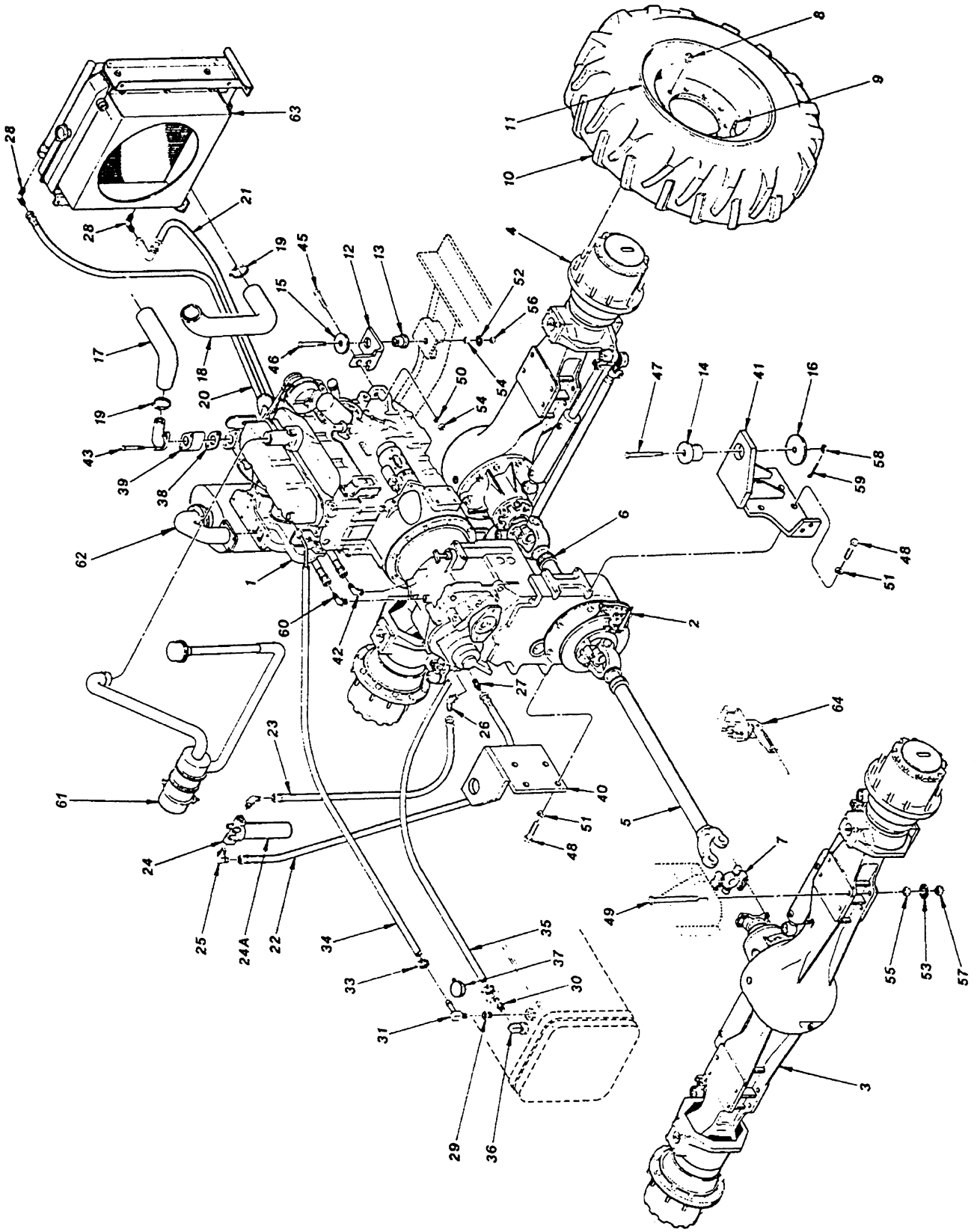



Figure 18352-5

## 18352-5 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 20998A | Engine, Deere | 1 | 1695 – | 239 C.I.D. 4 Cylinder |
| 2 | P24605 | Transmission, Funk | 1 | " – " | |
| 3 | P26153 | Axle | 1 | " – " | Front (Includes Item 8) |
| 4 | P26154 | Axle | 1 | " – " | Rear (Includes Item 8) |
| 5 | P24721 | Shaft, Drive | 1 | " – " | Front (Includes Cross & Bearing) |
| 6 | P26513 | Shaft, Drive | 1 | " – " | Rear (Includes Cross & Bearing) |
| NI | P18749 | U-Joint | – | " – " | |
| 8 | P13894 | Lug Nut, Wheel | – | " – " | |
| 9 | P13673 | Valve Stem | 4 | " – " | |
| 10 | P11688 | Tire | 4 | " – " | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | " – " | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | " – " | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | " – " | 13.00 x 24 |
| 11 | 12749C | Rim, Wheel | 4 | " – " | |
| NI | P16439 | Lock Ring | – | " – " | |
| NI | P16441 | O-Ring | – | " – " | |
| NI | P17260 | Flange | – | " – " | |
| 12 | 18668B | Mounting Bracket, Engine | 2 | " – " | |
| 13 | P18180 | Mount, Engine | 2 | " – " | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | " – " | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 2 | " – " | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | " – " | |
| 17 | P24298 | Hose, Radiator | 1 | " – " | Upper |
| 18 | P21987 | Hose, Radiator | 1 | " – " | Lower |
| 19 | P10601 | Clamp, Hose | 4 | " – " | Radiator |
| 20 | P24638 | Hose, Transmission Cooler | 1 | " – " | 88" LG. |
| 21 | P21301 | Hose, Transmission Cooler | 1 | " – " | 60" LG. |
| 22 | P20922 | Hose, Transmission Filter | 1 | " – " | 42" LG. |
| 23 | P18048 | Hose, Transmission Filter | 1 | " – " | 31" LG. |
| 24 | P19132 | Base, Transmission Filter | – | " – " | |
| 24A | P19133 | Filter, Transmission | – | " – " | |
| 25 | P20359 | 90° Elbow, O-Ring | 2 | " – " | |
| 26 | P19147 | 45° Elbow, O-Ring | 1 | " – " | |
| 27 | P17805 | Connector, O-Ring | 1 | " – " | |
| 28 | P17808 | 90° Elbow, JIC-Pipe | 2 | " – " | |
| 29 | P10690 | Reducer Bushing | 1 | " – " | |
| 30 | P13619 | Adapter, Pipe to Hose | 1 | " – " | |
| 31 | P21317 | 90° Elbow, Pipe to Hose - Fuel Tank | 1 | " – " | |
| NI | P21236 | 90° Elbow, Pipe to Hose - Fuel Pump | 1 | " – " | |
| 33 | P14047 | Hose Clamp, Fuel Line | 4 | " – " | |
| 34 | N11433 | Return Line | 1 | " – " | 1/4" I.D. Hose |
| 35 | N11437 | Fuel Line | 1 | " – " | 5/16" I.D. Hose |
| 36 | P24983 | Stand Tube, Fuel | – | " – " | |
| 37 | P12182 | Fuel Cap | – | " – " | |
| 38 | P25386 | Gasket, Thermostat | – | " – " | |
| 39 | P21785 | Extension, Thermostat Housing | 1 | " – " | |

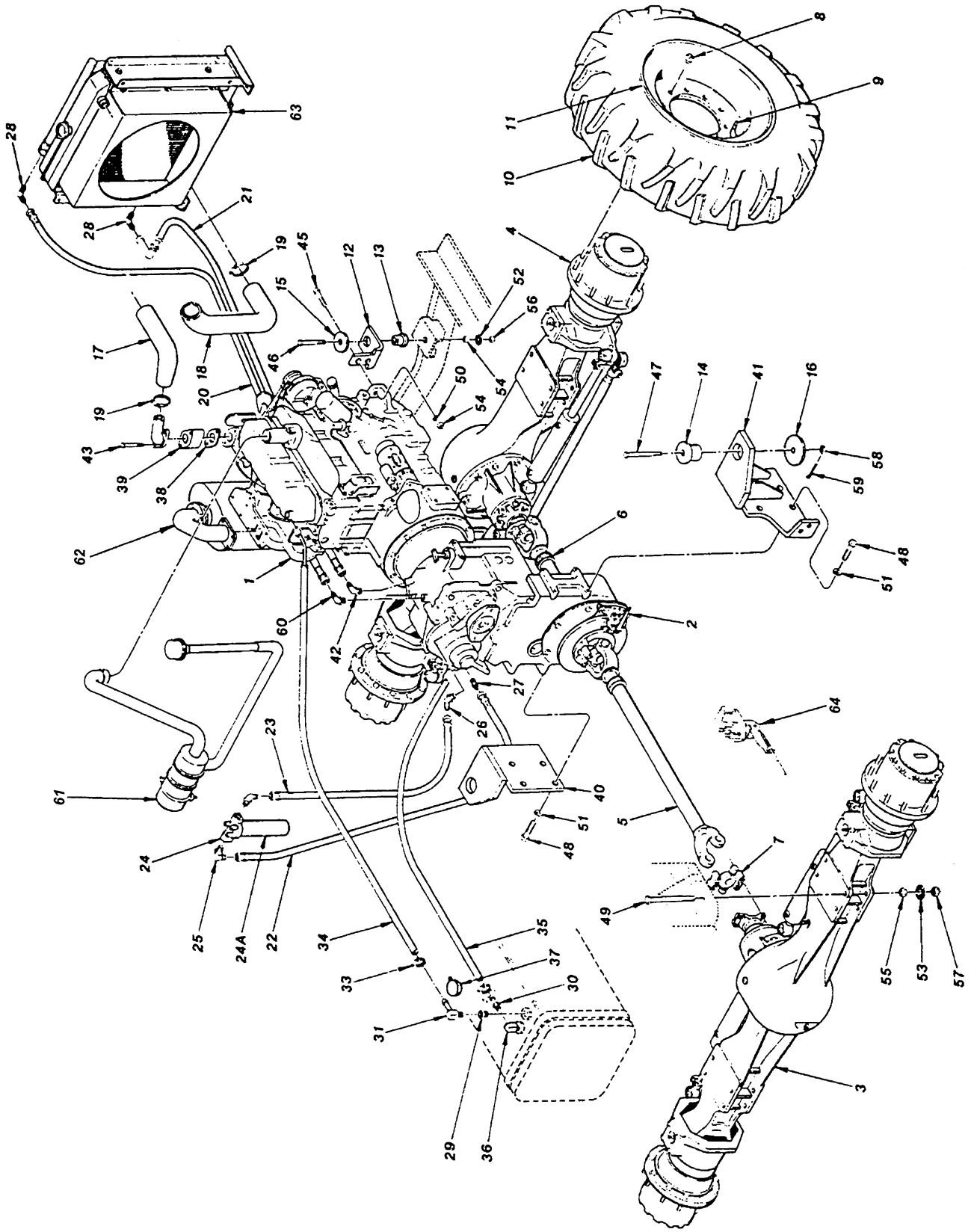



Figure 18352-5

## 18352-5 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| | 18412B | Extension, Thermostat Housing | – | " – " | Use with Optional Heater |
| 40 | 18079B | Mount, Transmission | 1 | " – " | R.H. |
| 41 | 21488C | Mount, Transmission | 1 | " – " | L.H. |
| 42 | 17960A | 90° Elbow w/Tapped Hole, O-Ring | 1 | " – " | |
| 43 | P00213 | Bolt, Hx. | 2 | " – " | 3/8"-16 x 3 1/4" |
| NI | P00604 | Bolt, Hx. | 2 | " – " | 5/8"-11 x 2" |
| 45 | P00605 | Bolt, Hx. | 2 | " – " | 5/8"-11 x 2 1/4" |
| 46 | P00689 | Bolt, Hx. | 2 | " – " | 5/8"-18 x 3 1/2" |
| 47 | P29099 | Bolt, Hx. | 2 | " – " | 5/8"-18 x 4 1/2" |
| 48 | P00700 | Bolt, Hx. | 8 | " – " | 3/4"-10 x 1 1/2" |
| 49 | P00791 | Bolt, Hx. | 16 | " – " | 3/4"-16 x 7" |
| 50 | P01314 | Lockwasher | 4 | " – " | 5/8" |
| 51 | P01315 | Lockwasher | 8 | " – " | 3/4" |
| 52 | P01363 | Starwasher | 2 | " – " | 5/8" |
| 53 | P01364 | Starwasher | 16 | " – " | 3/4" |
| 54 | P01535 | Nut, Hx. | 4 | " – " | 5/8"-18 |
| 55 | P01536 | Nut, Hx. | 16 | " – " | 3/4"-16 |
| 56 | P01585 | Jam Nut, Hx.5/8"-16X | 2 | " – " | 3/4"-16 |
| 57 | P01586 | Jam Nut, Hx. | 16 | " – " | 3/4"-16 |
| 58 | P01635 | Castle Nut, Hx. | 2 | " – " | 5/8"-18 |
| 59 | P03838 | Cotter Pi | 2 | " – " | 1/8" x 1" |
| 60 | P17802 | 90° Elbow, O-Ring | 1 | " – " | |
| 61 | See Page 1-62 | Air Cleaner Assembly | – | ..... | |
| 62 | See Page 1-64 | Exhaust assembly | – | ..... | |
| 63 | See Page 1-58 | Radiator Assembly | – | ..... | |
| 64 | See Page 1-54 | Throttle Assembly | – | ..... | |
| NI | 20844B | Engine Block Heater Kit | 1 | 1695 – | Optional |
| NI | P22635 | Filter, Engine Oil | – | 1695 – | |
| NI | P22636 | Filter, Fuel | – | 1695 – | |

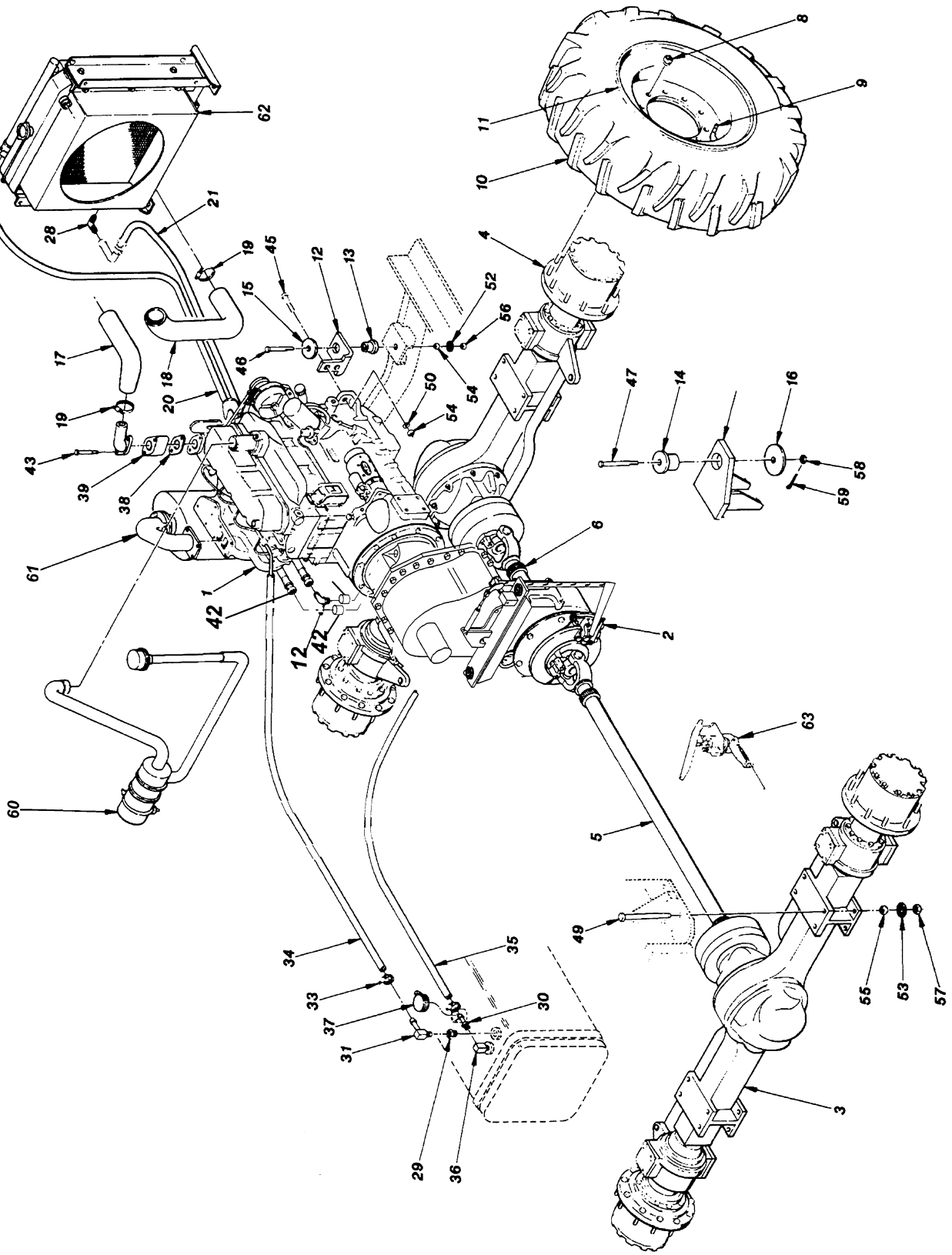



Figure 18352-9

## 18352-9 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31134 | Engine, Deere | 1 | 3090, 3091, 3093– | 239 C.I.D. 4 Cylinder |
| 2 | P31437 | Transmission, ZF | 1 | " – " | |
| 3 | P31260 | Axle | 1 | " – " | Front (Includes Item 8) |
| 4 | P31259 | Axle | 1 | " – " | Rear (Includes Item 8) |
| 5 | P21779 | Shaft, Drive | 1 | " – " | Front (Includes Cross & Bearing) |
| 6 | P24270 | Shaft, Drive | 1 | " – " | Rear (Includes Cross & Bearing) |
| NI | P18749 | U-Joint | – | " – " | |
| 8 | P13894 | Lug Nut, Wheel | – | " – " | |
| 9 | P13673 | Valve Stem | 4 | " – " | |
| 10 | P11688 | Tire | 4 | " – " | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | " – " | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | " – " | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | " – " | 13.00 x 24 |
| 11 | P31122 | Rim, Wheel | 4 | " – " | |
| 12 | P21632 | 90° Elbow | 1 | " – " | |
| 13 | P18180 | Mount, Engine | 2 | " – " | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | " – " | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 2 | " – " | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | " – " | |
| 17 | P24298 | Hose, Radiator | 1 | " – " | Upper |
| 18 | P21987 | Hose, Radiator | 1 | " – " | Lower |
| 19 | P10601 | Clamp, Hose | 4 | " – " | Radiator |
| 20 | P32420 | Hose, Transmission Cooler | 1 | " – " | 99" LG. |
| 21 | P32419 | Hose, Transmission Cooler | 1 | " – " | 68" LG. |
| 22 | 28474B | Mount, Engine | 1 | " – " | L.H. |
| 23 | 28473B | Mount, Engine | 1 | " – " | R.H. |
| 24 | P31925 | O-Ring, Transmission Filter | 1 | " – " | |
| 24A | P19133 | Filter, Transmission | 1 | " – " | |
| 27 | P17792 | 45° Elbow, JIC-Pipe | 1 | " – " | |
| 28 | P17808 | 90° Elbow, JIC-Pipe | 1 | " – " | |
| 29 | P10690 | Reducer Bushing | 1 | " – " | |
| 30 | P13619 | Adapter, Pipe to Hose | 1 | " – " | |
| 31 | P21317 | 90° Elbow, Pipe to Hose - Fuel Tank | 1 | " – " | |
| NI | P21236 | 90° Elbow, Pipe to Hose - Fuel Pump | 1 | " – " | |
| 33 | P14047 | Hose Clamp, Fuel Line | 4 | " – " | |
| 34 | N11433 | Return Line | 1 | " – " | 1/4" I.D. Hose |
| 35 | N11437 | Fuel Line | 1 | " – " | 5/16" I.D. Hose |
| 36 | P24983 | Stand Tube, Fuel | – | " – " | |
| 37 | P12182 | Fuel Cap | – | " – " | |
| 38 | P25386 | Gasket, Thermostat | – | " – " | |
| 39 | P21785 | Extension, Thermostat Housing | 1 | " – " | |
| | 18412B | Extension, Thermostat Housing | – | " – " | Use with Optional Heater |
| 40 | 35026B | Mount, Transmission | 1 | " – " | |

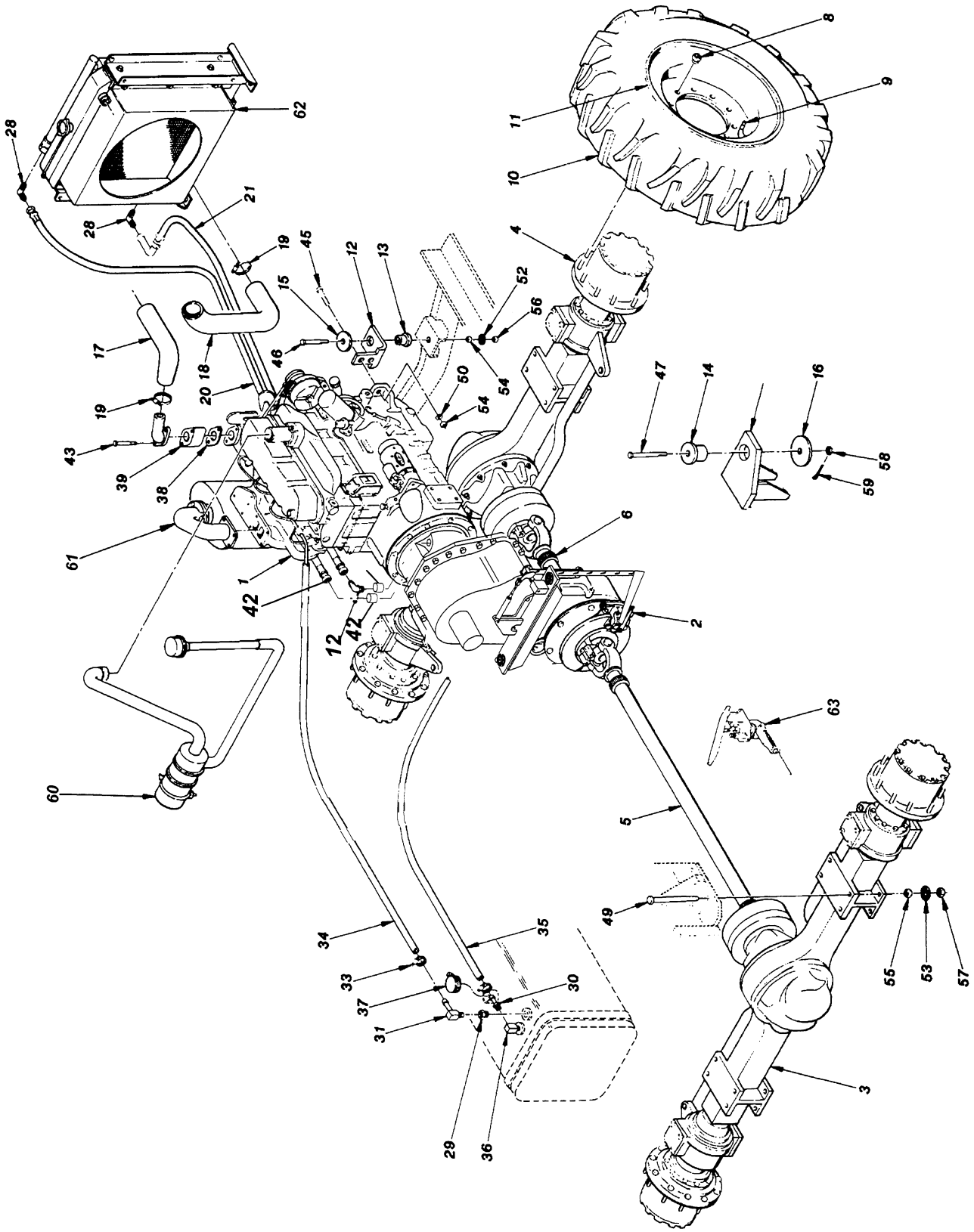



Figure 18352-9

## 18352-9 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS | |
|---|---|---|---|---|---|---|
| 41 | 35080A | Strap, Transmission Dipstick | 1 | " – " | | |
| 42 | P31573 | Connector | 2 | " – " | | |
| 43 | P00213 | Bolt, Hx. | 2 | " – " | 3/8"-16 x 3 1/4" | |
| NI | P00604 | Bolt, Hx. | 2 | " – " | 5/8"-11 x 2" | |
| 45 | P00605 | Bolt, Hx. | 2 | " – " | 5/8"-11 x 2 1/4" | |
| 46 | P00689 | Bolt, Hx. | 2 | " – " | 5/8"-18 x 3 1/2" | |
| 47 | 30260A | Bolt, Hx. | 2 | " – " | 5/8"-18 x 4 1/2" | |
| 48 | P04354 | Bolt, Hx. | 4 | " – " | M20-2.5 x 50mm | GR 8.8 |
| 49 | P00791 | Bolt, Hx. | 16 | " – " | 3/4"-16 x 7" | |
| 50 | P01314 | Lockwasher | 4 | " – " | 5/8" | |
| 51 | P04613 | Lockwasher | 4 | " – " | M20 | |
| 52 | P01363 | Starwasher | 2 | " – " | 5/8" | |
| 53 | P01364 | Starwasher | 16 | " – " | 3/4" | |
| 54 | P01535 | Nut, Hx. | 4 | " – " | 5/8"-18 | |
| 55 | P01536 | Nut, Hx. | 16 | " – " | 3/4"-16 | |
| 56 | P01585 | Jam Nut, Hx. | 2 | " – " | 5/8"-16 | |
| 57 | P01586 | Jam Nut, Hx. | 16 | " – " | 3/4"-16 | |
| 58 | P01635 | Castle Nut, Hx. | 2 | " – " | 5/8"-18 | |
| 59 | P03838 | Cotter Pin | 2 | " – " | 1/8" x 1" | |
| 60 | See Page 1-62 | Air Cleaner Assembly | – | ..... | | |
| 61 | See Page 1-64 | Exhaust assembly | – | ..... | | |
| 62 | See Page 1-58 | Radiator Assembly | – | ..... | | |
| 63 | See Page 1-54 | Throttle Assembly | – | ..... | | |
| — | 20844B | Engine Block Heater Kit | 1 | " – " | Optional | |
| — | P22635 | Filter, Engine Oil | – | " – " | | |
| — | P22636 | Filter, Fuel | – | " – " | | |

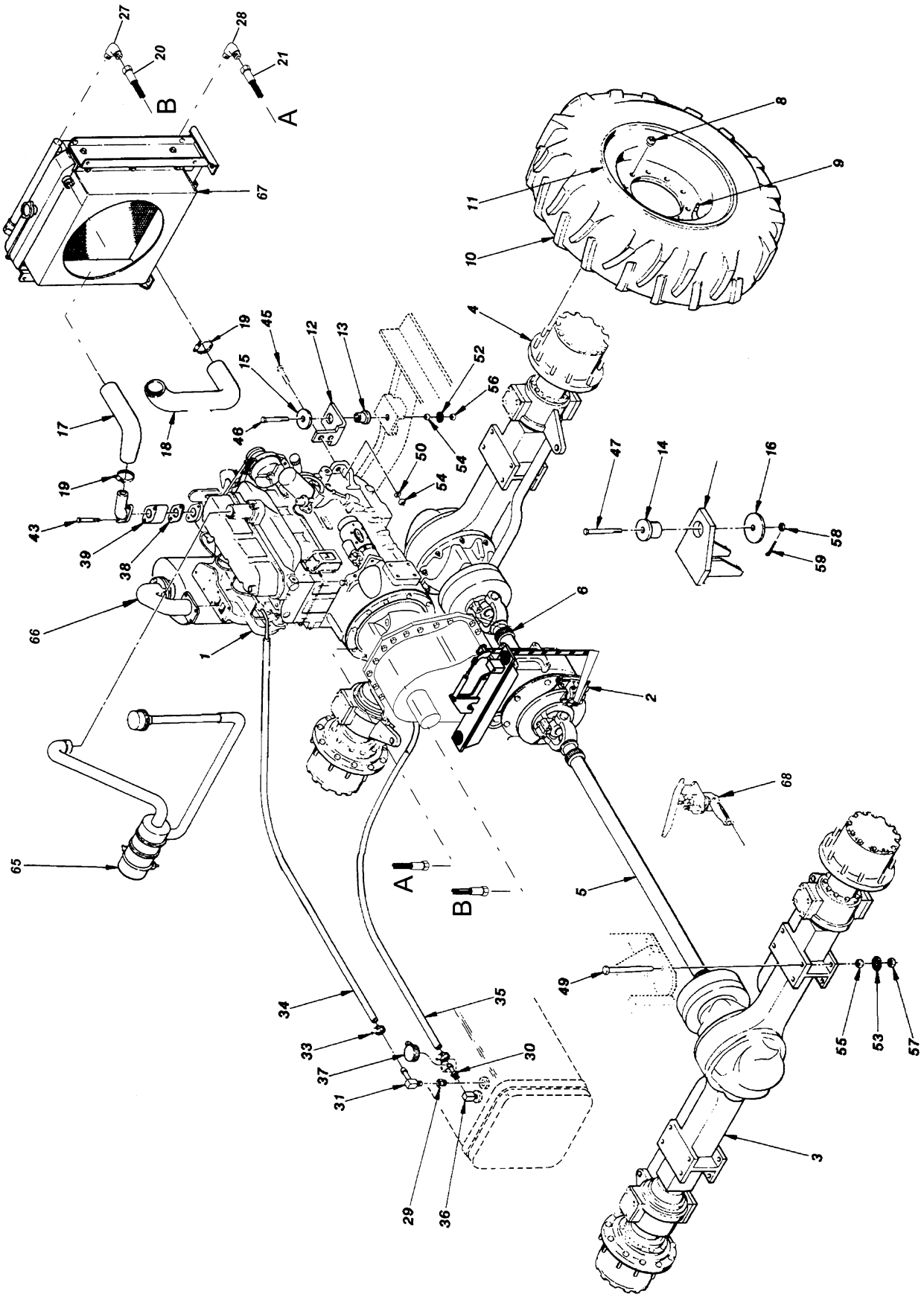



Figure 18352-10

## 18352-10 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31145 | Engine, Deere | 1 | 3090, 3091, 3093– | 239 C.I.D. 4 Cylinder |
| 2 | P31437 | Transmission, ZF | 1 | " – " | |
| 3 | 34583C | Axle | 1 | " – " | Front (Includes Item 8) |
| 4 | 34584C | Axle | 1 | " – " | Rear (Includes Item 8) |
| 5 | P21779 | Shaft, Drive | 1 | " – " | Front (Includes Cross & Bearing) |
| 6 | P24270 | Shaft, Drive | 1 | " – " | Rear (Includes Cross & Bearing) |
| NI | P18749 | U-Joint | – | " – " | |
| 8 | P13894 | Lug Nut, Wheel | – | " – " | |
| 9 | P13673 | Valve Stem | 4 | " – " | |
| 10 | P11688 | Tire | 4 | " – " | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | " – " | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | " – " | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | " – " | 13.00 x 24 |
| 11 | P31122 | Rim, Wheel | 4 | " – " | |
| 12 | P21632 | 90° Elbow | 1 | " – " | |
| 13 | P18180 | Mount, Engine | 2 | " – " | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | " – " | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 2 | " – " | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | " – " | |
| 17 | P24298 | Hose, Radiator | 1 | " – " | Upper |
| 18 | P21987 | Hose, Radiator | 1 | " – " | Lower |
| 19 | P10601 | Clamp, Hose | 4 | " – " | Radiator |
| 20 | P32420 | Hose, Transmission Cooler | 1 | " – " | 99" LG. |
| 21 | P32419 | Hose, Transmission Cooler | 1 | " – " | 68" LG. |
| 22 | 28474B | Mount, Engine | 1 | " – " | L.H. |
| 23 | 28473B | Mount, Engine | 1 | " – " | R.H. |
| 24 | P31925 | O-Ring, Transmission Filter | 1 | " – " | |
| 24A | P31926 | Filter, Transmission | 1 | " – " | |
| NI | P17810 | Clamp, Hose | 2 | " – " | |
| 27 | P17792 | 45° Elbow, JIC-Pipe | 1 | " – " | |
| 28 | P17808 | 90° Elbow, JIC-Pipe | 1 | " – " | |
| 29 | P10690 | Reducer Bushing | 1 | " – " | |
| 30 | P13619 | Adapter, Pipe to Hose | 1 | " – " | |
| 31 | P21317 | 90° Elbow, Pipe to Hose - Fuel Tank | 1 | " – " | |
| NI | P21236 | 90° Elbow, Pipe to Hose - Fuel Pump | 1 | " – " | |
| 33 | P14047 | Hose Clamp, Fuel Line | 4 | " – " | |
| 34 | N11433 | Return Line | 1 | " – " | 1/4" I.D. Hose |
| 35 | N11437 | Fuel Line | 1 | " – " | 5/16" I.D. Hose |
| 36 | P24983 | Stand Tube, Fuel | – | " – " | |
| 37 | P12182 | Fuel Cap | – | " – " | |
| 38 | P25386 | Gasket, Thermostat | – | " – " | |
| 39 | P21785 | Extension, Thermostat Housing | 1 | " – " | |
| | 18412B | Extension, Thermostat Housing | – | " – " | Use with Optional Heater |
| 40 | 35026B | Mount, Transmission | 1 | " – " | |

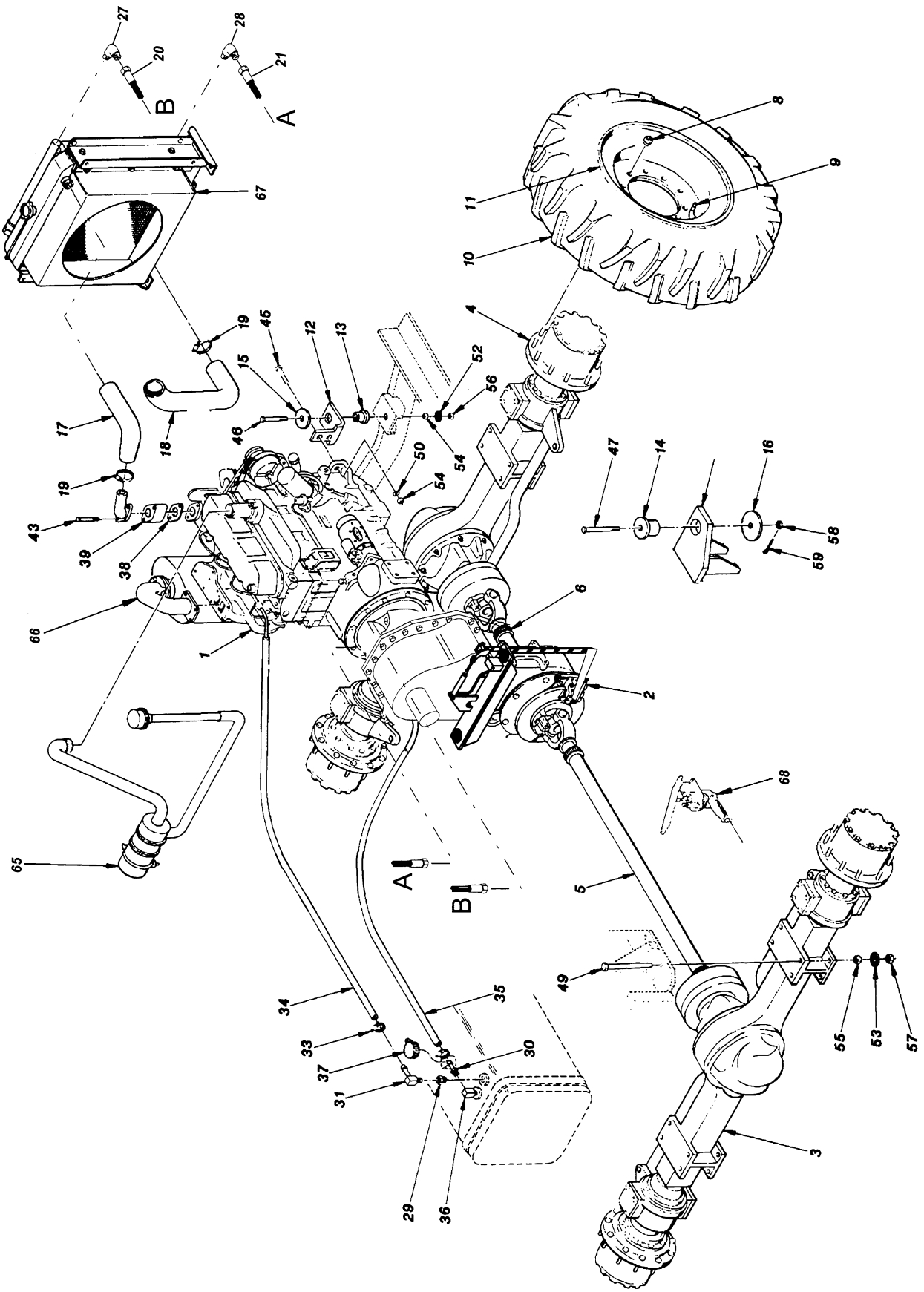



Figure 18352-10

## 18352-10 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| NI | P31573 | Connector | 2 | " – " | |
| NI | P31574 | O-Ring | 2 | " – " | |
| 43 | P00213 | Bolt, Hx. | 2 | " – " | 3/8"-16 x 3 1/4" |
| NI | P00604 | Bolt, Hx. | 2 | " – " | 5/8"-11 x 2" |
| 45 | P00607 | Bolt, Hx. | 2 | " – " | 5/8"-11 x 2 3/4" |
| 46 | P00694 | Bolt, Hx. | 2 | " – " | 5/8"-18 x 5 1/2" |
| 47 | 30260A | Bolt, Hx. | 2 | " – " | 5/8"-18 x 4 1/2" |
| 48 | P04354 | Bolt, Hx. | 4 | " – " | M20-2.5 x 50mm GR 8.8 |
| 49 | P00205 | Bolt, Hx. | 12 | " – " | 3/8"-16 x 1 1/4" |
| 50 | P01314 | Lockwasher | 4 | " – " | 5/8" |
| 51 | P04613 | Lockwasher | 4 | " – " | M20 |
| 52 | P01310 | Lockwasher | 12 | " – " | |
| 53 | P01364 | Starwasher | 16 | " – " | 3/4" |
| 54 | P01535 | Nut, Hx. | 4 | " – " | 5/8"-18 |
| 55 | P04608 | Lockwasher | 4 | " – " | M10 |
| 56 | P01585 | Jam Nut, Hx. | 2 | " – " | 5/8"-16 |
| 58 | P01635 | Castle Nut, Hx. | 2 | " – " | 5/8"-18 |
| 59 | P03838 | Cotter Pin | 2 | " – " | 1/8" x 1" |
| 60 | P04181 | Bolt, Hx. | 4 | " – " | M10-1.5 mm x 40 mm GR 10.9 |
| 61 | P31180 | Hose, Grease Zerk | 1 | " – " | |
| 62 | P20866 | Connector, Male | 1 | " – " | |
| 63 | P27385 | 90° Elbow | 1 | " – " | |
| 64 | P15275 | 45°Grease Zerk | 1 | " – " | |
| 65 | See Page 1-62 | Air Cleaner Assembly | – | ..... | |
| 66 | See Page 1-64 | Exhaust assembly | – | ..... | |
| 67 | See Page 1-58 | Radiator Assembly | – | ..... | |
| 68 | See Page 1-54 | Throttle Assembly | – | ..... | |
| — | 20844B | Engine Block Heater Kit | 1 | " – " | Optional |
| — | P22635 | Filter, Engine Oil | – | " – " | |
| — | P22636 | Filter, Fuel | – | " – " | |

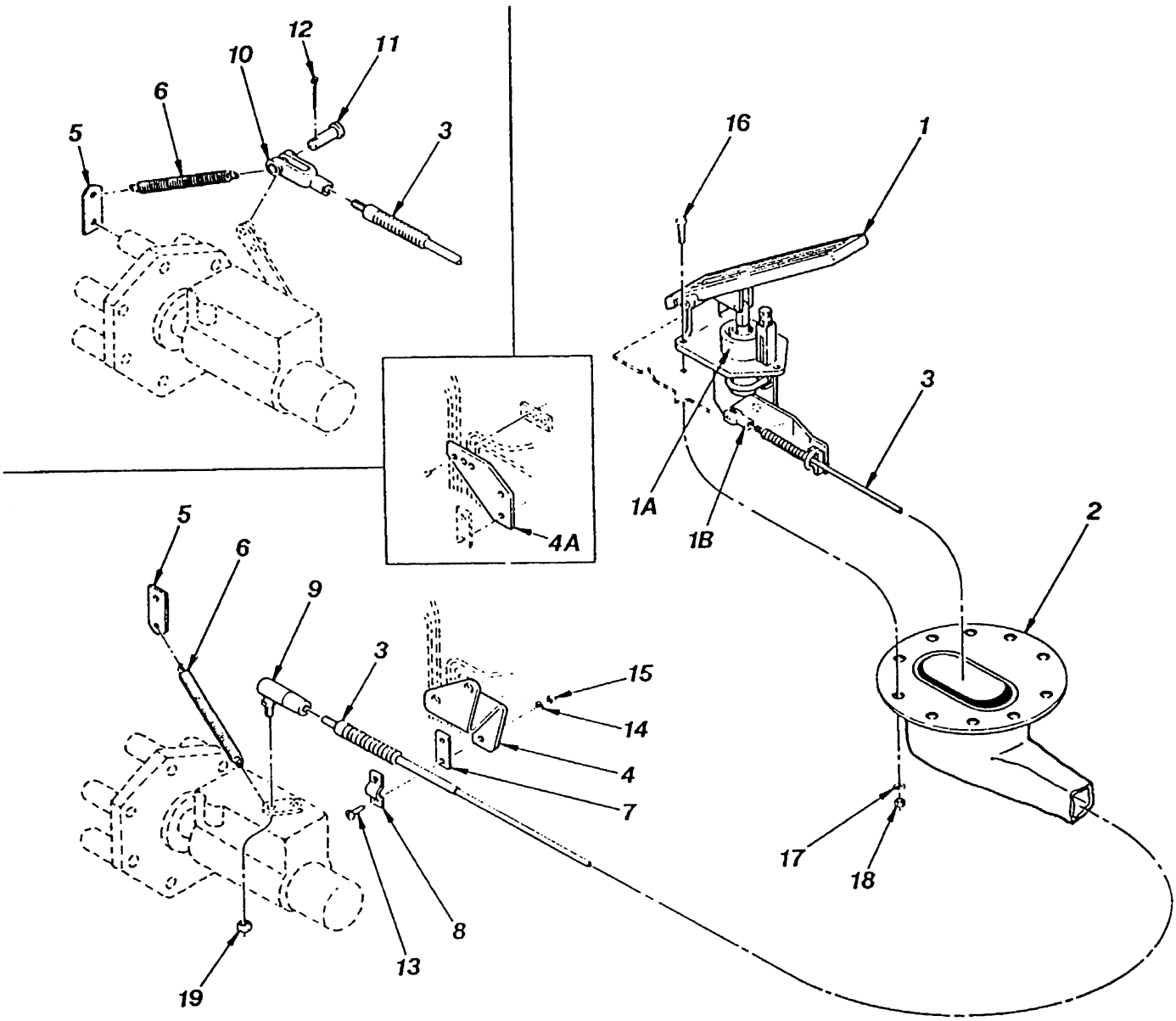



Figure 18369-1

## 18369-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19263 | Pedal, Accelerator | 1 | ..... | |
| 1A | P20069 | Bellows | – | ..... | |
| 1B | P20072 | Kit, Clevis | – | ..... | |
| 2 | P19268 | Boot, Guard | 1 | ..... | |
| 3 | P19264 | Cable, Throttle | 1 | ..... | |
| 4 | 34657A | Bracket, Cable | 1 | ..... | |
| | 18028B | Bracket, Cable | 1 | ..... | Early Production |
| 4A | 18764A | Bracket, Cable | 1 | ..... | Alternate |
| 5 | 17786A | Anchor, Spring | 1 | ..... | |
| 6 | P21260 | Spring | 1 | ..... | |
| 7 | P19128 | Shim, Cap | 1 | ..... | |
| 8 | P17678 | Clamp, Cable | 1 | ..... | |
| 9 | P10505 | Ball Joint | 1 | ..... | |
| 10 | P10508 | Clevis | 1 | ..... | Alternate |
| 11 | P10509 | Clevis Pin | 1 | ..... | Alternate |
| 12 | P03823 | Cotter Pin | 1 | ..... | 3/32" x 3/4", Alternate |
| 13 | P02057 | Screw, Rd. Hd. | 2 | ..... | #10-24 x 3/4" |
| 14 | P01306 | Lockwasher | 2 | ..... | #10 |
| 15 | P01504 | Nut, Hx. | 2 | ..... | #10-24 |
| 16 | P00005 | Bolt, Hx. | 3 | ..... | 1/4"-20 x 1" |
| 17 | P01308 | Lockwasher | 3 | ..... | 1/4" |
| 18 | P01506 | Nut, Hx. | 3 | ..... | 1/4"-20 |
| 19 | P01529 | Nut, Hx. | 1 | ..... | 1/4"-28 |

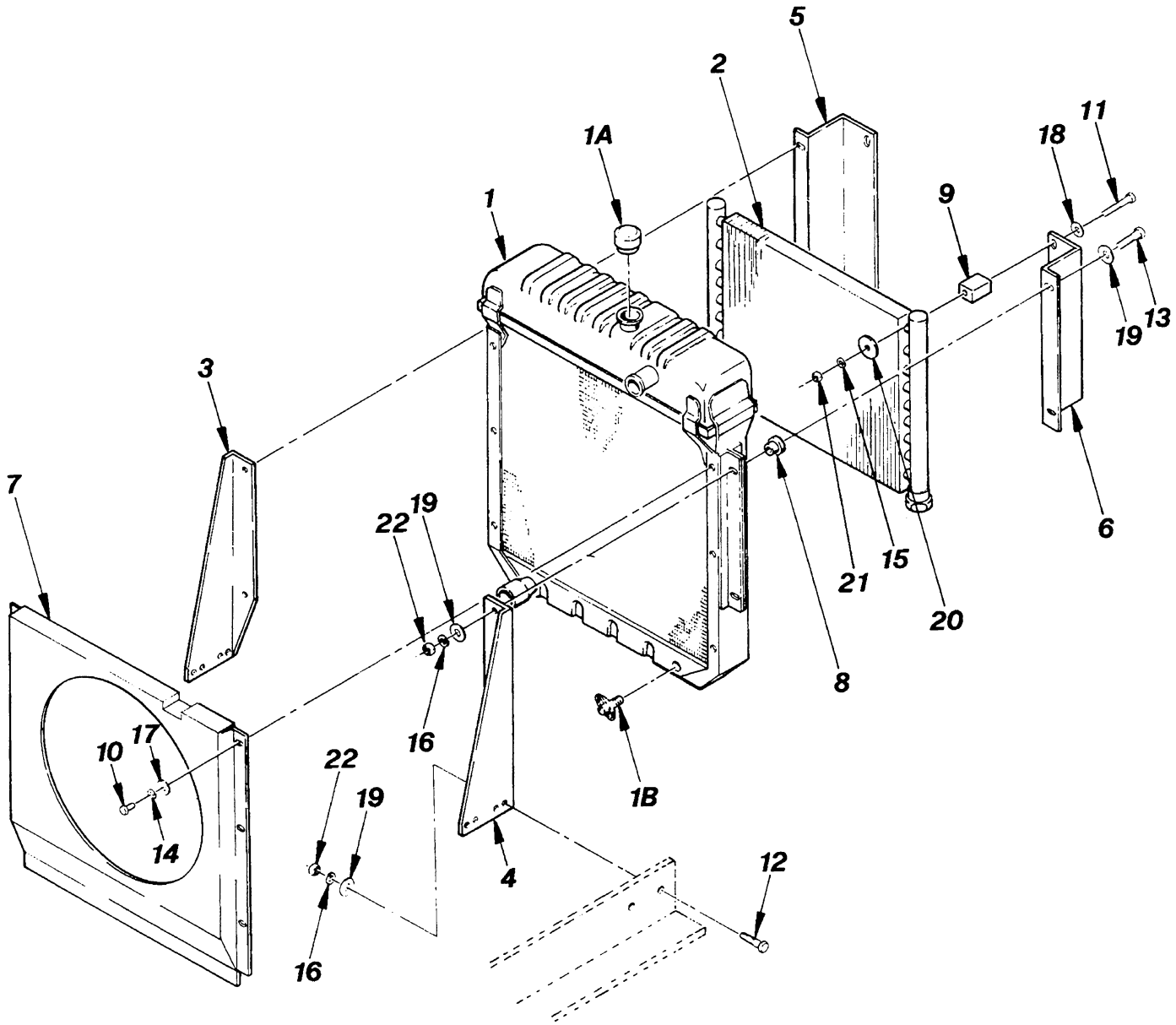



Figure 18372-1

## 18372-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P21989 | Radiator | 1 | 101–770, 772, 773 | |
| 1A | P13544 | Cap, Radiator | – | " – " | |
| NI | P31576 | Cap, Radiator Testing | – | " – " | |
| 1B | P16675 | Drain Cock | – | " – " | |
| 2 | P17598 | Oil Cooler, Transmission | 1 | " – " | |
| 3 | 18519-1C | Mounting Bracket, R.H. | 1 | " – " | Radiator |
| 4 | 18519-2C | Mounting Bracket, L.H. | 1 | " – " | Radiator |
| 5 | 15538C | Support Bracket, R.H. | 1 | " – " | Oil Cooler |
| 6 | 15539C | Support Bracket, L.H. | 1 | " – " | Oil Cooler |
| 7 | P21986 | Fan Shroud | 1 | " – " | |
| 8 | P18723 | Rubber Grommet | 4 | " – " | |
| 9 | P26312 | Rubber Mounting Block | 4 | " – " | |
| 10 | P00001 | Bolt, Hx. | 6 | " – " | 1/4"-20 x 1/2" |
| 11 | P00111 | Bolt, Hx. | 4 | " – " | 5/16"-18 x 2 3/4" |
| 12 | P00204 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1" |
| 13 | P00206 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/2" |
| 14 | P01308 | Lockwasher | 6 | " – " | 1/4" |
| 15 | P01309 | Lockwasher | 4 | " – " | 5/16" |
| 16 | P01310 | Lockwasher | 8 | " – " | 3/8" |
| 17 | P01402 | Flatwasher | 6 | " – " | 1/4" |
| 18 | P01403 | Flatwasher | 4 | " – " | 5/16" |
| 19 | P01404 | Flatwasher | 12 | " – " | 3/8" |
| 20 | P01453 | Flatwasher | 4 | " – " | 5/16" - Fender |
| 21 | P01507 | Nut, Hx. | 4 | " – " | 5/16"-18 |
| 22 | P01508 | Nut, Hx. | 8 | " – " | 3/8"-16 |

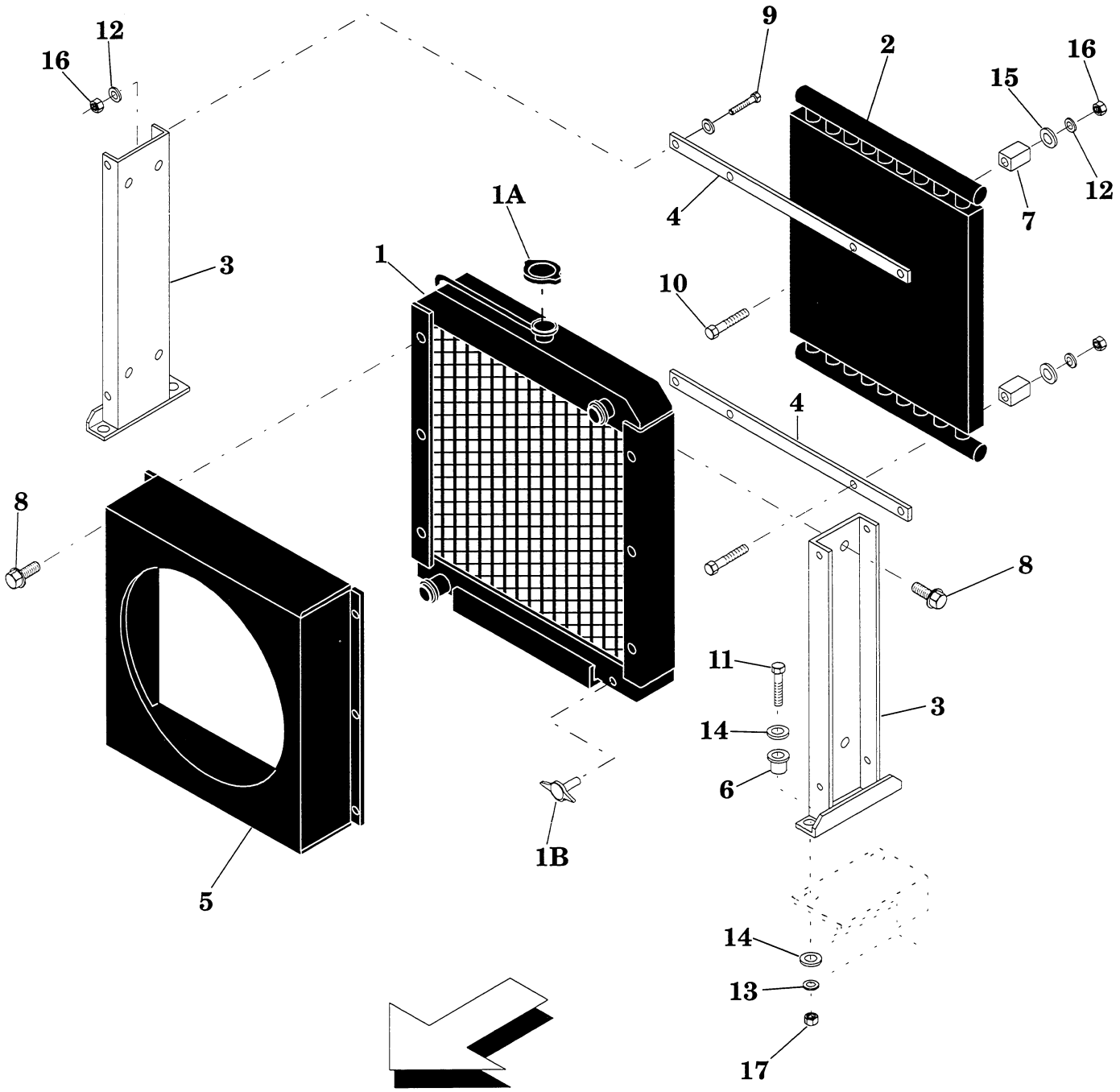



**Figure 18372-2**

# 18372-2

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P24296 | Radiator | 1 | 771, 774 – | |
| | P31143 | Radiator | 1 | " – " | With ZF Transmission |
| 1A | P25365 | Cap, Radiator | – | " – " | |
| 1B | P16675 | Drain Cock | – | " – " | |
| 2 | P17598 | Oil Cooler | 1 | " – " | Transmission |
| 3 | 18751B | Mounting Bracket | 2 | " – " | Radiator |
| 4 | 18415B | Mounting Bar | 2 | " – " | Oil Cooler |
| 5 | P24731 | Fan Shroud | 1 | " – " | |
| 6 | P18723 | Rubber Grommet | 4 | " – " | |
| 7 | P26312 | Rubber Mounting Block | 4 | " – " | |
| 8 | P24307 | Bolt, Flange Hd. | 14 | " – " | 5/16"-18 x 1/2" |
| 9 | P00104 | Bolt, Hx. | 4 | " – " | 5/16"-18 x 1" |
| 10 | P00111 | Bolt, Hx. | 4 | " – " | 5/16"-18 x 2 3/4" |
| 11 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 12 | P01309 | Lockwasher | 8 | " – " | 5/16" |
| 13 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 14 | P01404 | Flatwasher | 8 | " – " | 3/8" |
| 15 | P01453 | Flatwasher | 4 | " – " | 5/16" - Fender |
| 16 | P01507 | Nut, Hx. | 8 | " – " | 5/16"-18 |
| 17 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |

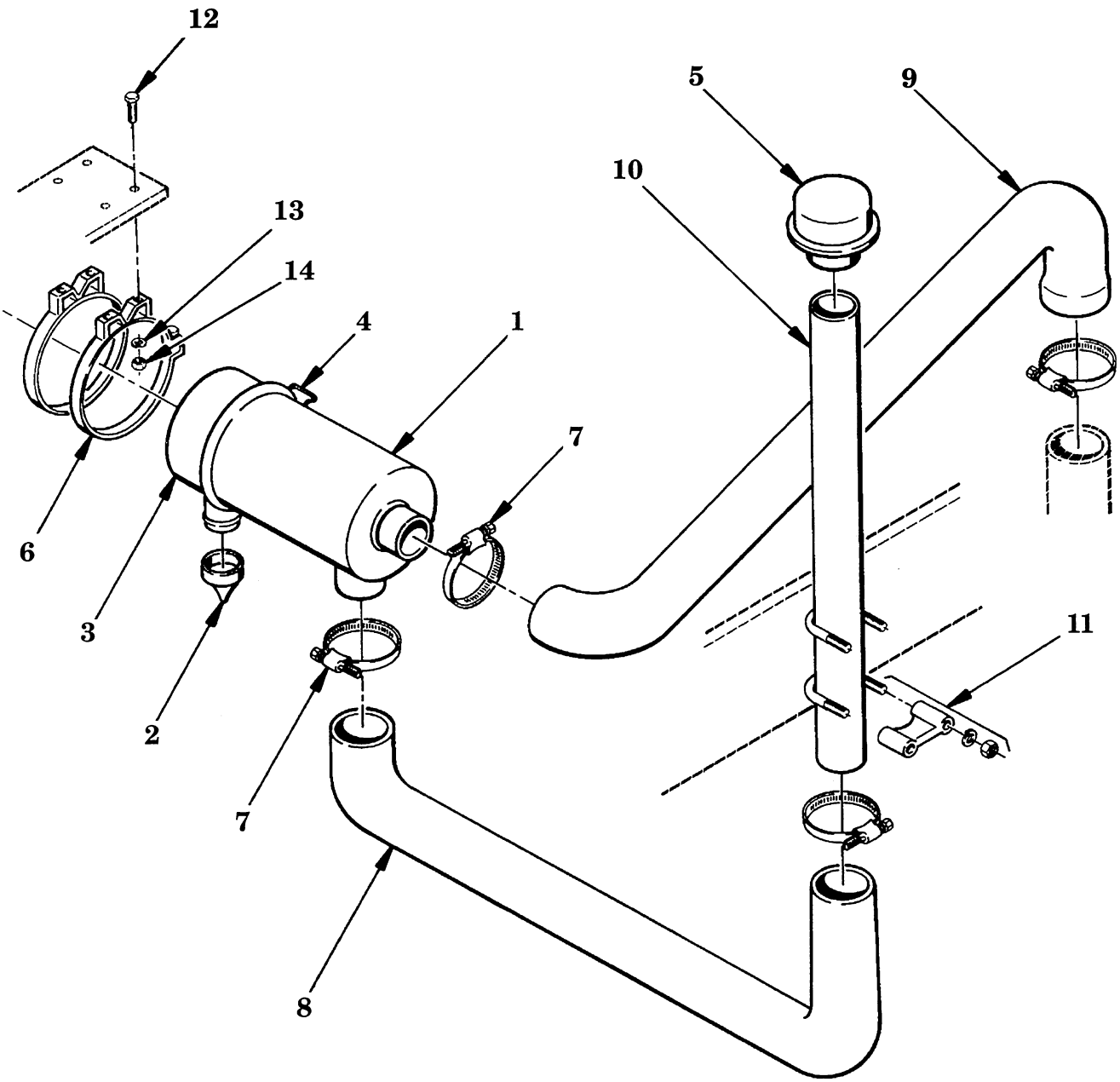



Figure 18375-1

## 18375-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P12163 | Air Cleaner | 1 | 101 – 710 | |
| 2 | P20342 | Vacuator | – | " – " | |
| 3 | P19727 | Vacuator Cup | – | " – " | |
| 4 | P20499 | Clamp, Air Cleaner | – | " – " | |
| NI | P17340 | Baffle | – | " – " | |
| NI | P18169 | Thumb Screw | – | " – " | |
| NI | P12179 | Filter Element | – | " – " | |
| 5 | P12164 | Rain Cap | 1 | " – " | |
| 6 | P12165 | Mounting Band | 2 | " – " | |
| 7 | P10601 | Hose Clamp | 4 | " – " | |
| 8 | P21791 | Intake Hose, Air Stack | 1 | " – " | |
| 9 | P21792 | Intake Hose, Engine | 1 | " – " | |
| 10 | 18347-14C | Tube, Air Stack | 1 | " – " | |
| 11 | P12169 | Clamp, Stack Tube | 2 | " – " | |
| 12 | P00204 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1" |
| 13 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 14 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |

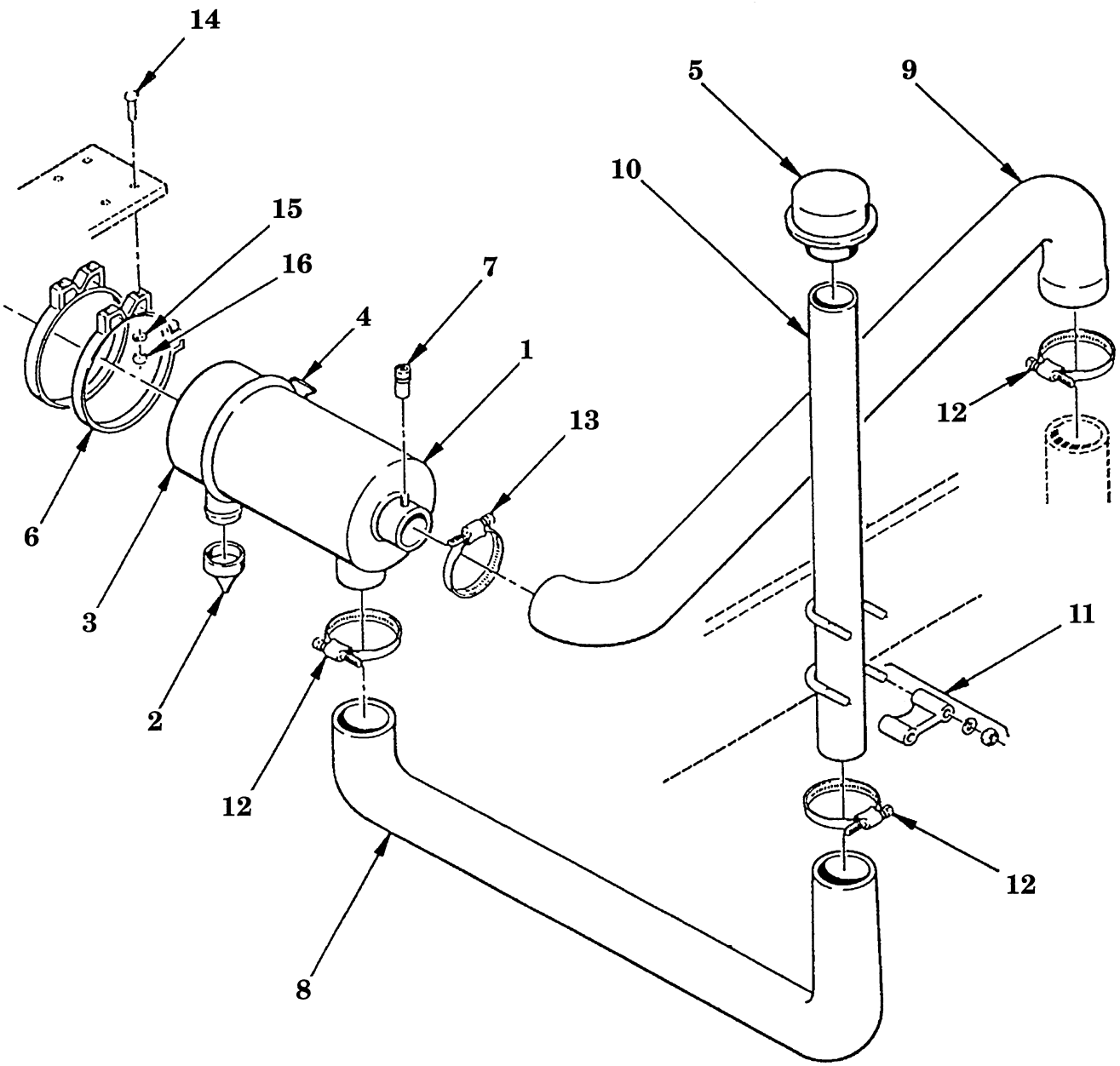



Figure 18375-2

## 18375-2

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P21483 | Air Cleaner | 1 | 711 – | |
| 2 | P21497 | Vacuator Valve | – | " – " | |
| 3 | P19727 | Vacuator Cup | – | " – " | |
| 4 | P20499 | Clamp, Air Cleaner | – | " – " | |
| NI | P20076 | Baffle | – | " – " | |
| NI | P21496 | Wing Nut and Washer Gasket | – | " – " | |
| NI | P21498 | Filter Element, Safety | – | " – " | |
| NI | P21499 | Filter Element, Primary | – | " – " | |
| 5 | P17136 | Rain Cap | 1 | " – " | |
| 6 | P12165 | Mounting Band | 2 | " – " | |
| 7 | P21485 | Service Indicator | 1 | " – " | |
| 8 | P21508 | Intake Hose, Air Stack | 1 | " – " | |
| 9 | P21509 | Intake Hose, Engine | 1 | " – " | |
| 10 | 18347-13C | Tube, Air Stack | 1 | " – " | |
| 11 | P17169 | Clamp, Stack Tube | 2 | " – " | |
| 12 | P10553 | Hose Clamp | 3 | " – " | |
| 13 | P10601 | Hose Clamp | 1 | " – " | |
| 14 | P00204 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1" |
| 15 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 16 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |

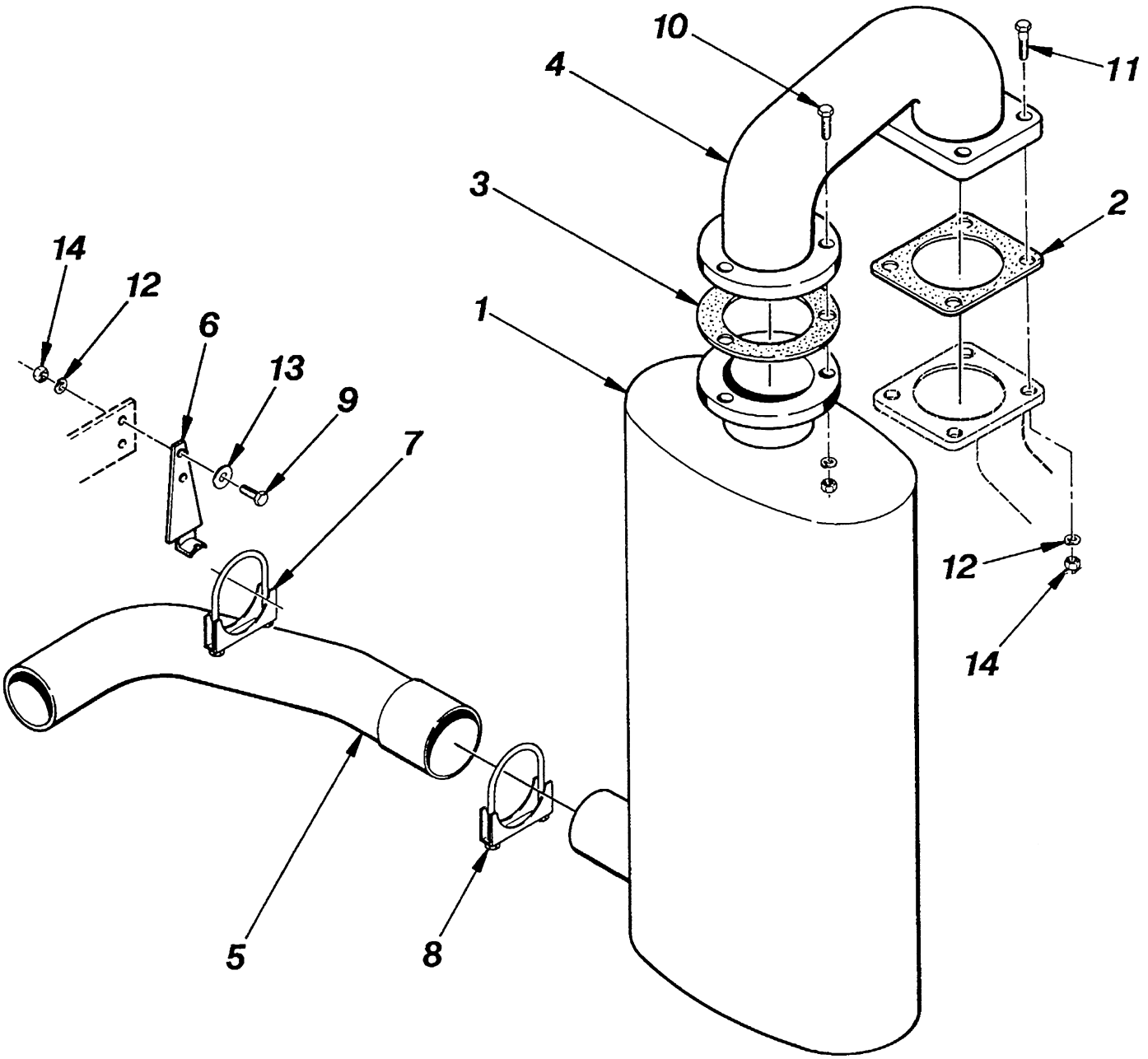



Figure 18378-2

## 18378-2

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P21790 | Muffler | 1 | 101 – 3111 | |
| 2 | P21786 | Gasket, Manifold | 1 | " – " | |
| 3 | P22197 | Gasket, Muffler | 1 | " – " | |
| 4 | 18990C | Exhaust Elbow | 1 | " – " | |
| 5 | P21800 | Tail Pipe | 1 | " – " | |
| 6 | P19280 | Hanger, Tail Pipe | 1 | " – " | |
| 7 | P12169 | Muffler, Clamp | 1 | " – " | 2 1/2" |
| 8 | P21078 | Muffler, Clamp | 1 | " – " | 2 3/4" |
| 9 | P00202 | Bolt, Hx. | 2 | " – " | 3/8"-16 x 3/4" |
| 10 | P00205 | Bolt, Hx. | 3 | " – " | 3/8"-16 x 1 1/4" |
| 11 | P00207 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 3/4" |
| 12 | P01310 | Lockwasher` | 9 | " – " | 3/8" |
| 13 | P01404 | Flatwasher | 2 | " – " | 3/8" |
| 14 | P01508 | Nut, Hx. | 9 | " – " | 3/8"-16 |

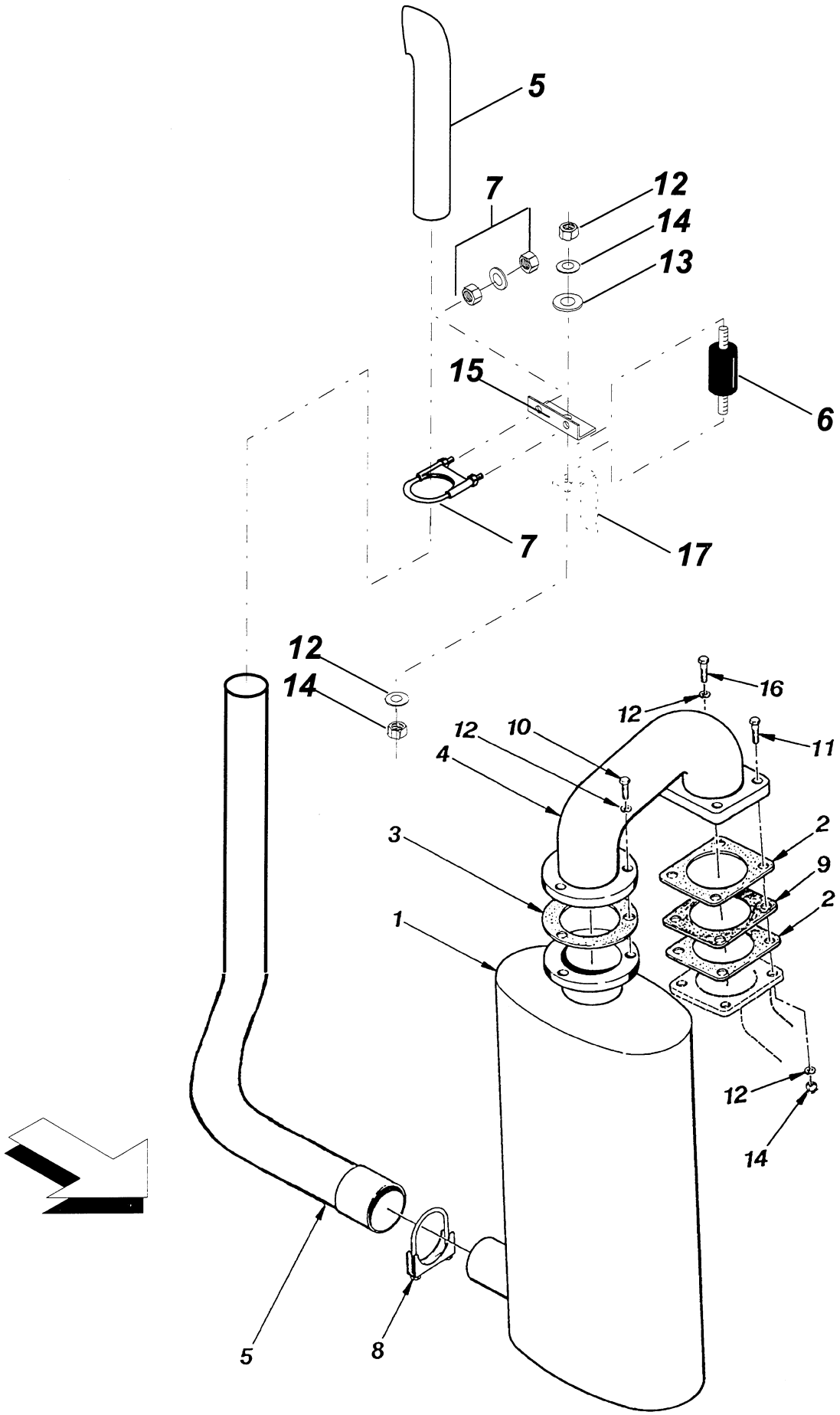



Figure 18378-3

## 18378-3

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 35095A | Muffler | 1 | 3112 – | |
| 2 | P21786 | Gasket, Manifold | 2 | " – " | |
| 3 | P22197 | Gasket, Muffler | 1 | " – " | |
| 4 | 18990C | Exhaust Elbow | 1 | " – " | |
| 5 | P31671 | Tail Pipe | 1 | " – " | |
| 6 | P27620 | Rubber Mount | 1 | " – " | |
| 7 | P12169 | Muffler, Clamp | 1 | " – " | 2 1/2" |
| 8 | P21078 | Muffler, Clamp | 1 | " – " | 2 3/4" |
| 9 | P31669 | Spacer | 1 | " – " | |
| 10 | P00205 | Bolt, Hx. | 3 | " – " | 3/8"-16 x 1 1/4" |
| 11 | P00209 | Bolt, Hx. | 3 | " – " | 3/8"-16 x 2 1/4" |
| 12 | P01310 | Lockwasher | 9 | " – " | 3/8" |
| 13 | P01404 | Flatwasher | 1 | " – " | 3/8" |
| 14 | P01508 | Nut, Hx. | 6 | " – " | 3/8"-16 |
| 15 | 35099A | Bracket | 1 | " – " | |
| 16 | P00208 | Bolt, Hx. | 1 | " – " | 3/8"-16 x 2" |
| 17 | Ref. | Main Frame Assembly | – | " – " | |

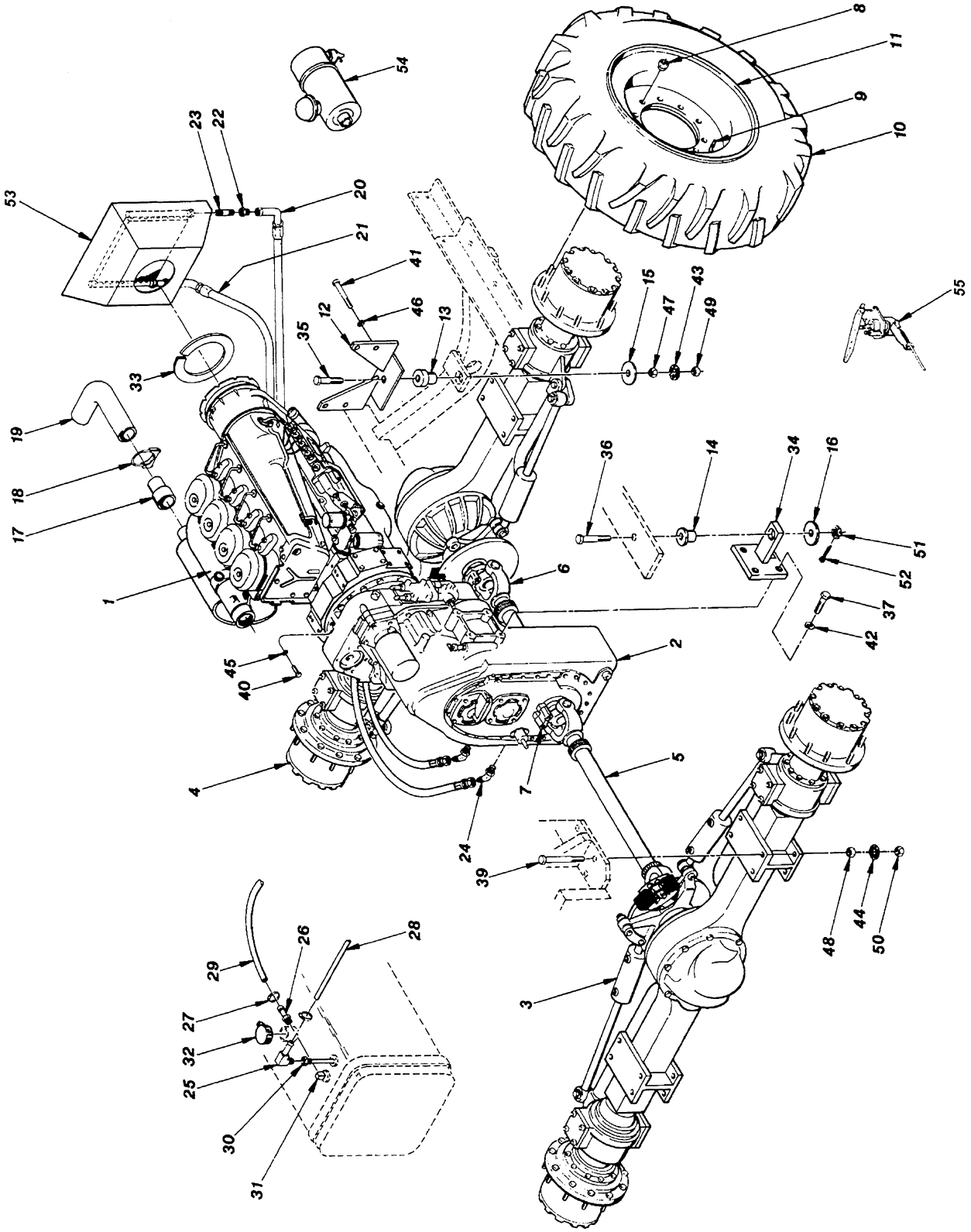



**Figure 18353**

## 18353 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P21346 | Engine, Deutz | 1 | ..... | 230 C.I.D. 4 Cylinder |
| 2 | P19867 | Transmission, Clark | 1 | ..... | with Parking Brake |
| | P19900 | Transmission, Clark | – | ..... | w/o Parking Brake |
| 3 | P18009 | Axle | 1 | ..... | Front - Drum Brakes |
| | P21735 | Axle | – | 533 – | Front - Disc Brakes |
| | P18068 | Axle | – | 101 – 532 | Front - Disc Brakes |
| 4 | P18010 | Axle | 1 | ..... | Rear - Drum Brakes |
| | P21736 | Axle | – | 533 – | Rear - Disc Brakes |
| | P18069 | Axle | – | 101 – 532 | Rear - Disc Brakes |
| 5 | P20417 | Shaft, Drive | 1 | ..... | Front - w/Drum Brake Axles |
| | P21676 | Shaft, Drive | – | 524 – | Front - w/Disc Brake Axles |
| | 19197B | Shaft, Drive | – | 101 – 523 | Front - w/Disc Brake Axles |
| 6 | P20418 | Shaft, Drive | 1 | ..... | Rear - w/Drum Brake Axles |
| | P21678 | Shaft, Drive | – | ..... | Rear - w/Disc Brake Axles |
| 7 | P17734 | U-Joint, Tapped Hole | – | ..... | |
| | P18749 | U-Joint, Thru Hole | – | ..... | |
| 8 | P13894 | Lug Nut, Wheel | – | ..... | |
| 9 | P13673 | Valve Stem | 4 | ..... | |
| 10 | P13020 | Tire | 4 | ..... | 12.00 x 24 8 PLY |
| | P11688 | Tire | – | ..... | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | ..... | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | ..... | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | ..... | 12.00 x 24 |
| 11 | 12749C | Rim, Wheel | 4 | ..... | |
| NI | P16439 | Lock Ring | – | ..... | |
| NI | P16441 | O-Ring | – | ..... | |
| NI | P17260 | Flange | – | ..... | |
| 12 | 18521B | Mounting Bracket, Engine | 1 | ..... | |
| 13 | P18180 | Mount, Engine | 1 | ..... | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | ..... | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 1 | ..... | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | ..... | |
| 17 | 17889A | Adapter, Exhaust | 1 | ..... | |
| 18 | P10548 | Clamp, Tail Pipe | 1 | ..... | |
| 19 | P20454 | Exhaust Pipe, Tail | 4 | ..... | |
| 20 | P21302 | Hose, Transmission Cooler | 1 | ..... | 70" LG. |
| 21 | P21350 | Hose, Transmission Cooler | 1 | ..... | 56" LG. |
| 22 | P17791 | Adapter, JIC - Pipe | 2 | ..... | |
| 23 | P10819 | Nipple, Pipe | 2 | ..... | |
| 24 | P19147 | 45° Elbow, O-Ring | 2 | ..... | |
| 25 | P20830 | 90° Elbow, Pipe to Hose | 1 | ..... | |
| 26 | P13619 | 90° Elbow, Pipe to Hose | 1 | ..... | |
| 27 | P14047 | Hose Clamp, Fuel Line | 4 | ..... | |
| 28 | N11429 | Return Line | 1 | ..... | 3/16" I.D. Hose |
| 29 | N11438 | Fuel Line | 1 | ..... | 5/16" I.D. Hose |
| 30 | 21915A | Return Tube, Fuel | 1 | ..... | |
| 31 | P24983 | Stand Tube, Fuel | – | ..... | |
| NI | P12182 | Fuel Cap | – | ..... | |
| 33 | N11425 | Sponge Gasket, Air Shroud | 1 | ..... | |

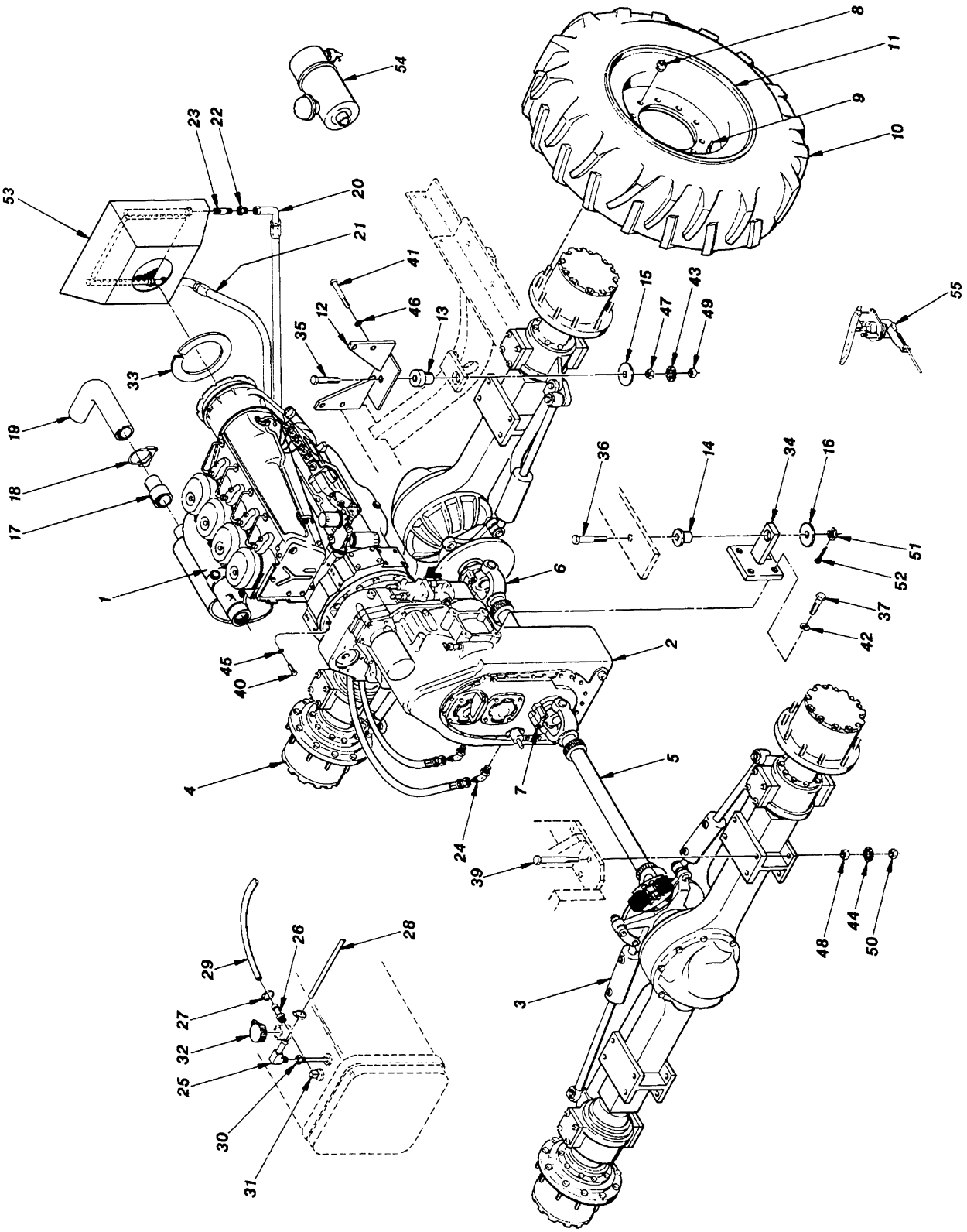



**Figure 18353**

## 18353 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 34 | 18647B | Mount, Transmission | 2 | 338 – | |
| | 18221B | Mount, Transmission | – | 101 – 337 | |
| 35 | P00689 | Bolt, Hx. | 1 | ..... | 5/8"-18 x 3 1/2" GR 8 |
| 36 | P29099 | Bolt, Hx. | 2 | ..... | 5/8"-1/8 x 4 1/2" GR 8 (w/Hole) |
| 37 | P00700 | Bolt, Hx. | 8 | ..... | 3/4"-10 x 1 1/2" |
| NI | P00791 | Bolt, Hx. | 8 | 533 – | 3/4"-16 x 7" GR 8 |
| | P00781 | Bolt, Hx. | 8 | 101 – 532 | 3/4"-16 x 3" GR 8 |
| 39 | P00791 | Bolt, Hx. | 8 | 533 – | 3/4"-16 x 7" GR 8 |
| | P00793 | Bolt, Hx. | 8 | 101 – 532 | 3/4"-16 x 8" GR 8 |
| 40 | P04154 | Bolt, Hx. | 11 | ..... | M10-1.5 x 30mm |
| 41 | P04264 | Bolt, Hx. | 4 | ..... | M14-2 x 100mm |
| 42 | P01315 | Lockwasher | 8 | ..... | 3/4" |
| 43 | P01363 | Starwasher | 1 | ..... | 5/8" |
| 44 | P01364 | Starwasher | 16 | ..... | 3/4" |
| 45 | P04008 | Lockwasher | 11 | ..... | M10 |
| 46 | P04610 | Lockwasher | 4 | ..... | M14 |
| 47 | P01535 | Nut, Hx. | 1 | ..... | 5/8"-18 |
| 48 | P01536 | Nut, Hx. | 16 | ..... | 3/4"-16 |
| 49 | P01585 | Jam Nut, Hx. | 1 | ..... | 5/8"-18 |
| 50 | P01586 | Jam Nut, Hx. | 16 | ..... | 3/4"-16 |
| 51 | P01635 | Castle Nut, Hx. | 2 | ..... | 5/8"-18 |
| 52 | P03838 | Cotter Pin | 2 | ..... | 1/8" x 1" |
| 53 | See Page 1-82 | Transmission Oil Cooler Assembly | – | ..... | |
| 54 | See Page 1-84 | Air Cleaner Assembly | – | ..... | |
| 55 | See Page 1-80 | Throttle Assembly | – | ..... | |
| — | P19793 | Filter, Engine Oil | – | ..... | |
| — | P19858 | Filter, Fuel | – | ..... | |
| — | P19868 | Filter, Transmission | – | ..... | |

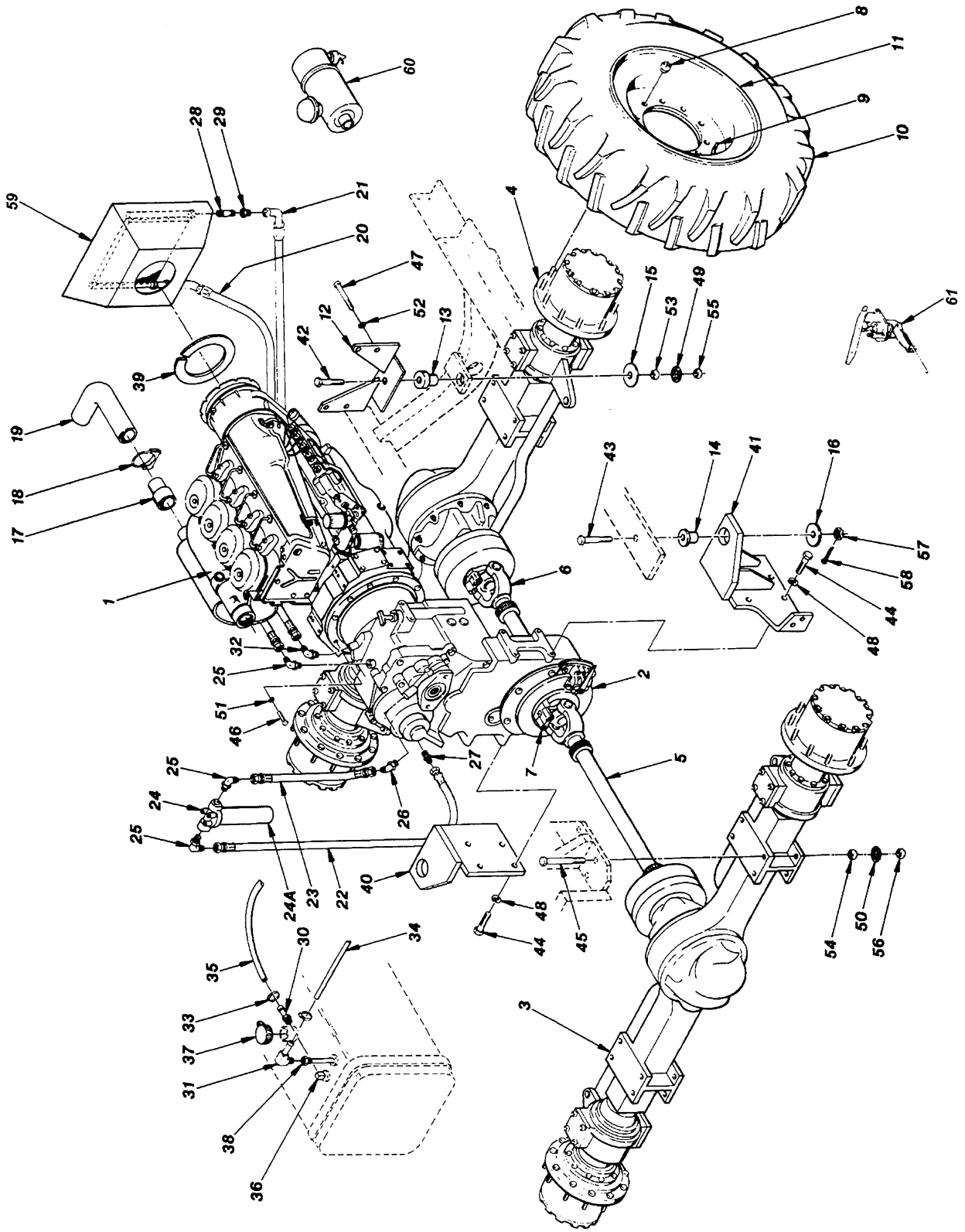



Figure 18353-1

## 18353-1 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P24290 | Engine, Deutz | 1 | 101 – 1694 | 230 C.I.D. 4 Cylinder |
| 2 | P24605 | Transmission, Funk | 1 | 823 – 1694 | with Parking Brake |
| | P22645 | Transmission, Funk | – | 101 – 822 | with Parking Brake |
| 3 | P24801 | Axle | 1 | 823 – 1694 | Front (Includes Item 8) |
| | P21735 | Axle | – | 101 – 822 | Front (Includes Item 8) |
| 4 | P24800 | Axle | 1 | 823 – 1694 | Rear (Includes Item 8) |
| | P21736 | Axle | – | 101 – 822 | Rear (Includes Item 8) |
| 5 | P24721 | Drive Shaft | 1 | 823 – 1694 | Front (Includes Item 7) |
| | P24271 | Drive Shaft | – | 101 – 822 | Front (Includes Item 7) |
| 6 | P24720 | Drive Shaft | 1 | 823 – 1694 | Rear (Includes Item 7) |
| | P24270 | Drive Shaft | – | 101 – 822 | Rear (Includes Item 7) |
| 7 | P18749 | U-Joint | – | 101 – 1694 | Thru Hole |
| | P17734 | U-Joint | – | " – " | Tapped Hole |
| 8 | P13894 | Lug Nut, Wheel | – | " – " | |
| 9 | P13673 | Valve Stem | 4 | " – " | |
| 10 | P11688 | Tire | 4 | " – " | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | " – " | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | " – " | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | " – " | 13.00 x 24 |
| 11 | 12749C | Rim, Wheel | 4 | " – " | |
| NI | P16439 | Lock Ring | – | " – " | |
| NI | P16441 | O-Ring | – | " – " | |
| NI | P17260 | Flange | – | " – " | |
| 12 | 18521B | Mounting Bracket, Engine | 2 | " – " | |
| 13 | P18180 | Mount, Engine | 2 | " – " | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | " – " | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 2 | " – " | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | " – " | |
| 17 | 17889A | Adapter, Exhaust | 1 | " – " | |
| 18 | P10548 | Clamp, Tail Pipe | 1 | " – " | |
| 19 | P20454 | Exhaust Pipe, Tail | 1 | " – " | |
| 20 | P21348 | Hose, Transmission Cooler | 1 | " – " | 50" LG. |
| 21 | P21302 | Hose, Transmission Cooler | 1 | " – " | 70" LG. |
| 22 | P20922 | Hose, Transmission Filter | 1 | 716 – 1694 | 42" LG. |
| | P19489 | Hose, Transmission Filter | – | 101 – 715 | 31" LG. |
| 23 | P18048 | Hose, Transmission Filter | 1 | 101 – 1694 | 31" LG. |
| 24 | P19132 | Base, Transmission Filter | – | " – " | |
| 24A | P19133 | Filter, Transmission | – | " – " | |
| 25 | P17802 | 90° Elbow, O-Ring | 3 | " – " | |
| 26 | P19147 | 45° Elbow, O-Ring | 1 | " – " | |
| 27 | P17805 | Connector, O-Ring | 1 | " – " | |
| 28 | P10819 | Nipple, Pipe | 2 | " – " | |
| 29 | P17791 | Adapter, JIC - Pipe | 2 | " – " | |
| 30 | P13619 | Adapter, Pipe to Hose | 2 | " – " | |
| 31 | P20830 | 90° Elbow, Pipe to Hose | 1 | " – " | |
| 32 | 17960A | 90° Elbow w/Tapped Hole, O-Ring | 1 | " – " | |
| 33 | P14047 | Hose Clamp, Fuel Line | 4 | " – " | |
| 34 | N11429 | Return Line | 1 | " – " | 3/16" I.D. Hose |

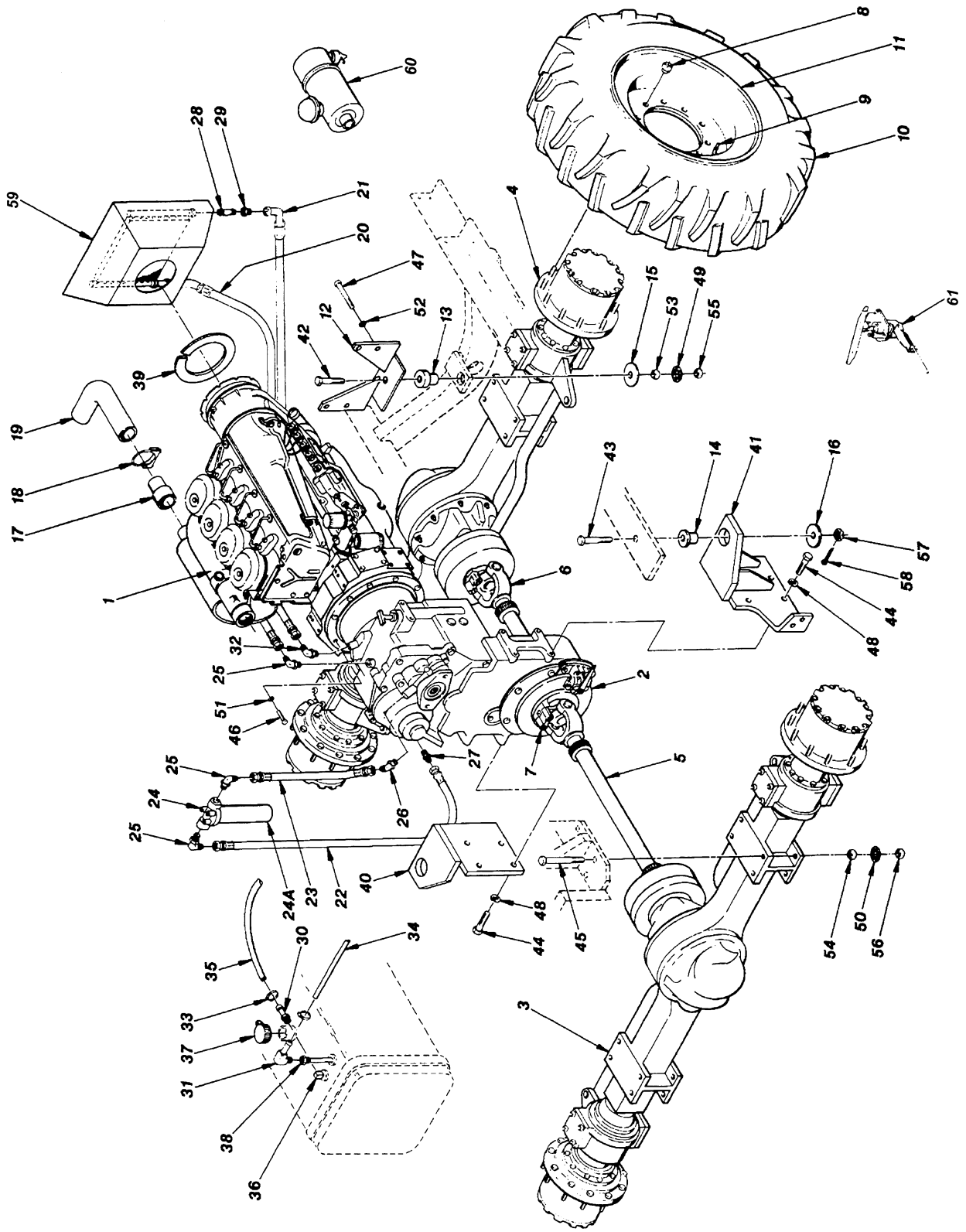



Figure 18353-1

## 18353-1 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 35 | N11438 | Fuel Line | 1 | " – " | 5/16" I.D. Hose |
| 36 | P24983 | Stand Tube, Fuel | – | " – " | |
| 37 | P12182 | Fuel Cap | – | " – " | |
| 38 | 21915A | Return Tube, Fuel | 1 | " – " | |
| 39 | N11425 | Sponge Gasket, Air Shroud | 1 | " – " | |
| 40 | 18079B | Mount, Transmission | 2 | 716 – 1694 | R.H. |
| | 18087B | Mount, Transmission | – | 101 – 715 | R.H. |
| 41 | 21488C | Mount, Transmission | 1 | 716 – 1694 | L.H. |
| | 18086B | Mount, Transmission | – | 101 – 715 | L.H. |
| 42 | P00689 | Bolt, Hx. | 1 | 101 – 1694 | 5/8"-18 x 3 1/2" GR 8 |
| 43 | P29099 | Bolt, Hx. | 2 | " – " | 5/8"-18 x 4 1/2" GR 8 (w/Hole) |
| 44 | P00700 | Bolt, Hx. | 8 | " – " | 3/4"-10 x 1 1/2" |
| 45 | P00791 | Bolt, Hx. | 16 | " – " | 3/4"-16 x 7" GR 8 |
| 46 | P04154 | Bolt, Hx. | 11 | " – " | M10-1.5 x 30mm |
| 47 | P04264 | Bolt, Hx. | 4 | " – " | M14-2 x 100mm |
| 48 | P01315 | Lockwasher | 8 | " – " | 3/4" |
| 49 | P01363 | Starwasher | 1 | " – " | 5/8" |
| 50 | P01364 | Starwasher | 16 | " – " | 3/4" |
| 51 | P04008 | Lockwasher | 11 | " – " | M10 |
| 52 | P04610 | Lockwasher | 4 | " – " | M14 |
| 53 | P01535 | Nut, Hx. | 1 | " – " | 5/8"-18 |
| 54 | P01536 | Nut, Hx. | 16 | " – " | 3/4"-16 |
| 55 | P01585 | Jam Nut, Hx. | 1 | " – " | 5/8"-18 |
| 56 | P01586 | Jam Nut, Hx. | 16 | " – " | 3/4"-16 |
| 57 | P01635 | Castle Nut, Hx. | 2 | " – " | 5/8"-18 |
| 58 | P03838 | Cotter Pin | 2 | " – " | 1/8" x 1" |
| 59 | See Page 1-82 | Transmission Oil Cooler Assembly | – | ..... | |
| 60 | See Page 1-84 | Air Cleaner Assembly | – | ..... | |
| 61 | See Page 1-80 | Throttle Assembly | – | ..... | |
| — | P19743 | Filter, Engine Oil | – | 101 – 1694 | |
| — | P19856 | Filter, Fuel | – | 101 – 1694 | |

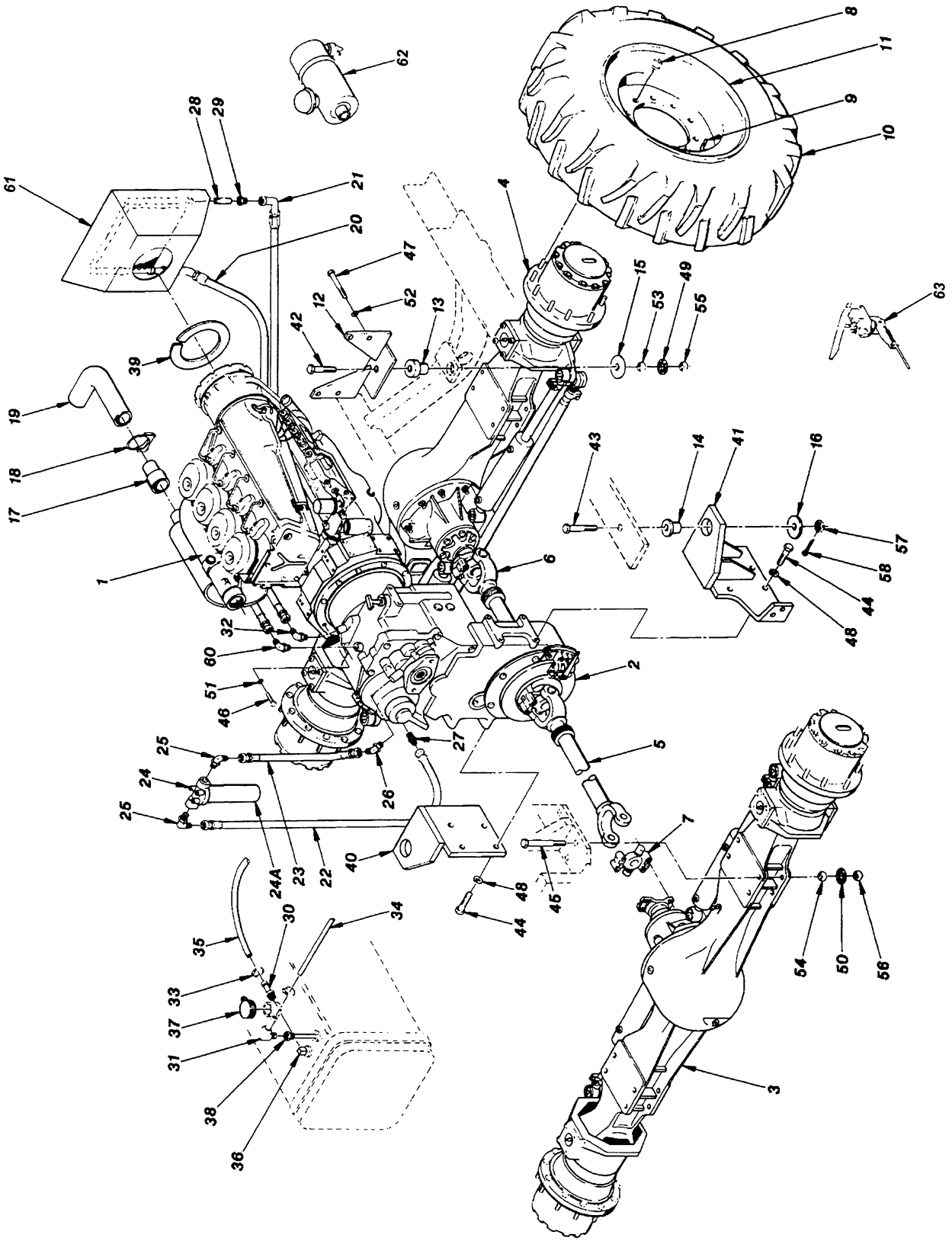



Figure 18353-2

## 18353-2 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P24290 | Engine, Deutz | 1 | 1695 – | 230 C.I.D. 4 Cylinder |
| 2 | P24605 | Transmission, Funk | 1 | " – " | |
| 3 | P26153 | Axle | 1 | " – " | Front (Includes Item 8) |
| 4 | P26154 | Axle | 1 | " – " | Rear (Includes Item 8) |
| 5 | P24721 | Shaft, Drive | 1 | " – " | Front (Includes Item 7) |
| 6 | P26513 | Shaft, Drive | 1 | " – " | Rear (Includes Item 7) |
| 7 | P18749 | U-Joint | – | " – " | |
| 8 | P13894 | Lug Nut, Wheel | – | " – " | |
| 9 | P13673 | Valve Stem | 3 | " – " | |
| 10 | P11688 | Tire | 4 | " – " | 13.00 x 24 8 PLY |
| | P19043 | Tire | – | " – " | 13.00 x 24 12 PLY |
| | P16443 | Tire | – | " – " | 13.00 x 24 12 PLY Steelguard |
| NI | P21570 | Tube | – | " – " | 13.00 x 24 |
| 11 | 12749C | Rim, Wheel | 4 | " – " | |
| NI | P16439 | Ring, Lock | – | " – " | |
| NI | P16441 | O-Ring | – | " – " | |
| NI | P17260 | Flange | – | " – " | |
| 12 | 18521B | Mounting Bracket, Engine | 2 | " – " | |
| 13 | P18180 | Mount, Engine | 2 | " – " | Rubber |
| 14 | P18181 | Mount, Transmission | 2 | " – " | Rubber |
| 15 | P20396 | Snubbing Washer, Engine | 2 | " – " | |
| 16 | P20395 | Snubbing Washer, Transmission | 2 | " – " | |
| 17 | 17889A | Adapter, Exhaust | 1 | " – " | |
| 18 | P10548 | Clamp, Tail Pipe | 1 | " – " | |
| 19 | P20454 | Exhaust Pipe, Tail | 1 | " – " | |
| 20 | P21348 | Hose, Transmission Cooler | 1 | " – " | 50" LG. |
| 21 | P21302 | Hose, Transmission Cooler | 1 | " – " | 70" LG. |
| 22 | P20922 | Hose, Transmission Filter | 1 | " – " | 42" LG. |
| 23 | P18048 | Hose, Transmission Filter | 1 | " – " | 31" LG. |
| 24 | P19132 | Base, Transmission Filter | – | " – " | |
| 24A | P19133 | Filter, Transmission | – | " – " | |
| 25 | P20359 | 90° Elbow, O-Ring | 2 | " – " | |
| 26 | P19147 | 45° Elbow, O-Ring | 1 | " – " | |
| 27 | P17805 | Connector, O-Ring | 1 | " – " | |
| 28 | P10819 | Nipple, Pipe | 2 | " – " | |
| 29 | P17791 | Adapter, JIC - Pipe | 2 | " – " | |
| 30 | P13619 | Adapter, Pipe to Hose | 2 | " – " | |
| 31 | P20830 | 90° Elbow, PIpe to Hose | 1 | " – " | |
| 32 | 17960A | 90° Elbow, w/Tapped Hole, O-Ring | 1 | " – " | |
| 33 | P14047 | Hose Clamp, Fuel Line | 4 | " – " | |
| 34 | N11429 | Return Line | 1 | " – " | 3/16" I.D. Hose |
| 35 | N11438 | Fuel Line | 1 | " – " | 5/16" I.D. Hose |
| 36 | P24983 | Stand Tube, Fuel | – | " – " | |
| 37 | P12182 | Fuel Cap | – | " – " | |
| 38 | 21915A | Return Tube, Fuel | 1 | " – " | |
| 39 | N11425 | Sponge Gasket, Air Shroud | 1 | " – " | |
| 40 | 18079B | Mount, Transmission | 1 | " – " | R.H. |
| 41 | 21488C | Mount, Transmission | 1 | " – " | L.H. |

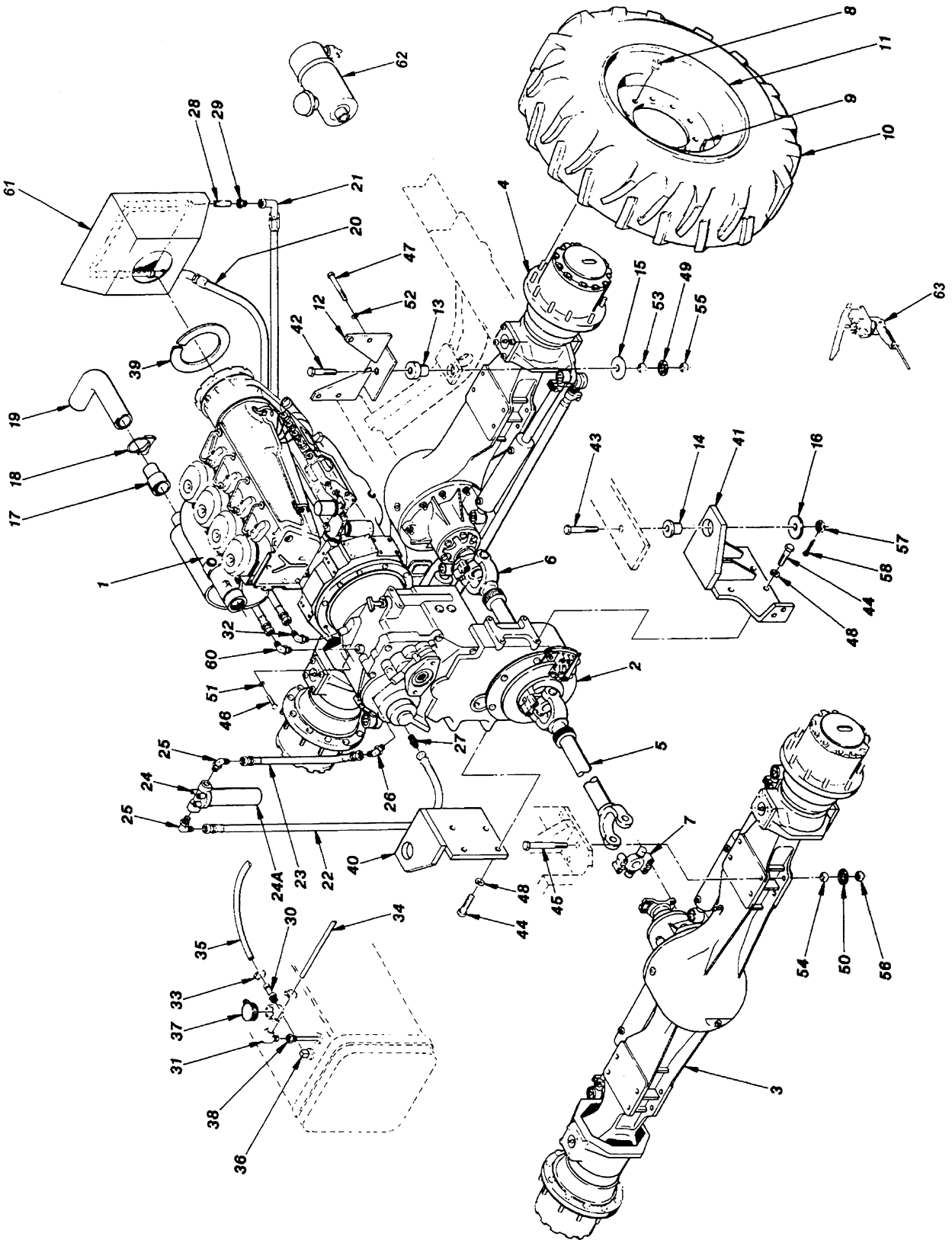



Figure 18353-2

## 18353-2 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 42 | P00689 | Bolt, Hx. | 1 | " – " | 5/8"-18 x 3 1/2" GR 8 |
| 43 | P29099 | Bolt, Hx. | 2 | " – " | 5/8"-18 x 4 1/2" GR 8 (w/Hole) |
| 44 | P00700 | Bolt, Hx. | 8 | " – " | 3/4"-10 x 1 1/2" |
| 45 | P00791 | Bolt, Hx. | 16 | " – " | 3/4"-16 x 7" GR 8 |
| 46 | P04154 | Bolt, Hx. | 11 | " – " | M10-1.5 x 30mm |
| 47 | P04264 | Bolt, Hx. | 4 | " – " | M14-2 x 100mm |
| 48 | P01315 | Lockwasher | 8 | " – " | 3/4" |
| 49 | P01363 | Starwasher | 1 | " – " | 5/8" |
| 50 | P01364 | Starwasher | 16 | " – " | 3/4" |
| 51 | P04608 | Lockwasher | 11 | " – " | M10 |
| 52 | P04610 | Lockwasher | 4 | " – " | M14 |
| 53 | P01535 | Nut, Hx. | 1 | " – " | 5/8"-18 |
| 54 | P01536 | Nut, Hx. | 16 | " – " | 3/4"-16 |
| 55 | P01585 | Jam Nut, Hx. | 1 | " – " | 5/8"-18 |
| 56 | P01586 | Jam Nut, Hx. | 16 | " – " | 3/4"-16 |
| 57 | P01635 | Castle Nut. Hx. | 2 | " – " | 5/8"-18 |
| 58 | P03838 | Cotter Pin | 2 | " – " | 1/8" x 1" |
| 60 | P17802 | 90° Elbow, O-Ring | 1 | " – " | |
| 61 | See Page 1-82 | Transmission Oil Cooler Assembly | – | ..... | |
| 62 | See Page 1-84 | Air Cleaner Assembly | – | ..... | |
| 63 | See Page 1-80 | Throttle Assembly | – | ..... | |
| — | P19793 | Filter, Engine Oil | – | 1695 – | |
| — | P19856 | Filter, Fuel | – | 1695 – | |

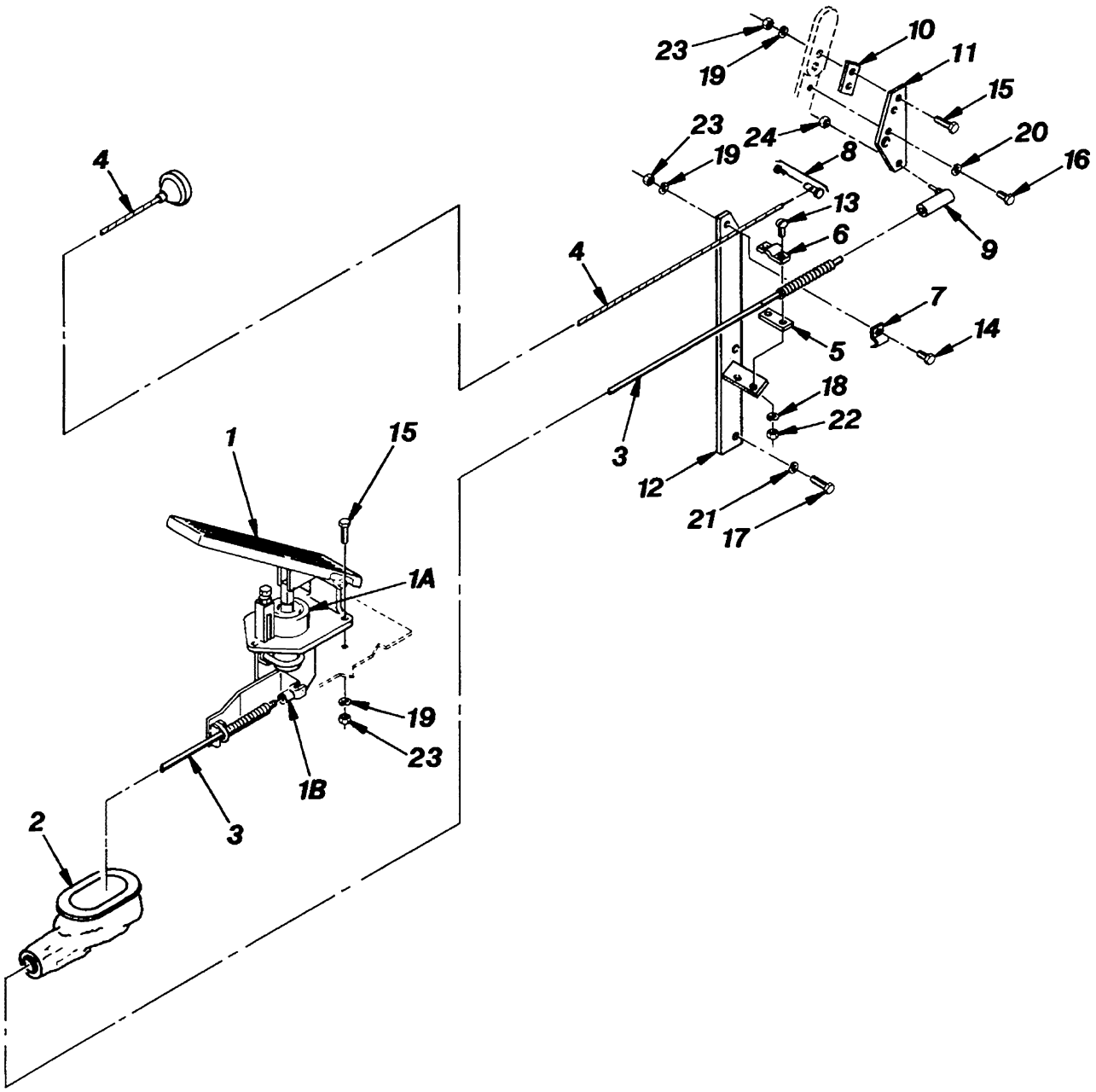



**Figure 18370**

## 18370

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19263 | Pedal, Accelerator | 1 | ..... | |
| 1A | P20069 | Bellows | – | ..... | |
| 1B | P20072 | Kit, Clevis | – | ..... | |
| 2 | P19268 | Boot, Guard | 1 | ..... | |
| 3 | P19264 | Cable, Throttle | 1 | ..... | |
| 4 | P20078 | Cable, Engine Shut-Off | 1 | ..... | |
| 5 | P19128 | Shim, Clamp | 1 | ..... | |
| 6 | P17678 | Clamp, Throttle Cable | 1 | ..... | |
| 7 | P12497 | Cable, Shut-Off Cable | 1 | ..... | |
| 8 | P20455 | Cable Stop | 1 | ..... | |
| 9 | P10505 | Ball Joint | 1 | ..... | |
| 10 | 17084A | Spacer, Link | 1 | ..... | |
| 11 | 17085A | Throttle Link | 1 | ..... | |
| 12 | 17170B | Mounting Bracket | 1 | ..... | |
| 13 | P02057 | Screw, Rd. Hd. | 2 | ..... | #10-24 x 3/4" |
| 14 | P00003 | Bolt, Hx. | 1 | ..... | 1/4"-20 x 3/4" |
| 15 | P00005 | Bolt, Hx. | 5 | ..... | 1/4"-20 x 1" |
| 16 | P04052 | Bolt, Hx. | 1 | ..... | M6-1.0 x 12mm |
| 17 | P04102 | Bolt, Hx. | 2 | ..... | M8-1.25 x 16mm |
| 18 | P01306 | Lockwasher | 2 | ..... | #10 |
| 19 | P01308 | Lockwasher | 6 | ..... | 1/4" |
| 20 | P04606 | Lockwasher | 1 | ..... | M6 |
| 21 | P04607 | Lockwasher | 2 | ..... | M8 |
| 22 | P01504 | Nut, Hx. | 2 | ..... | #10-24 |
| 23 | P01506 | Nut, Hx. | 6 | ..... | 1/4"-20 |
| 24 | P01529 | Nut, Hx. | 1 | ..... | 1/4"-28 |

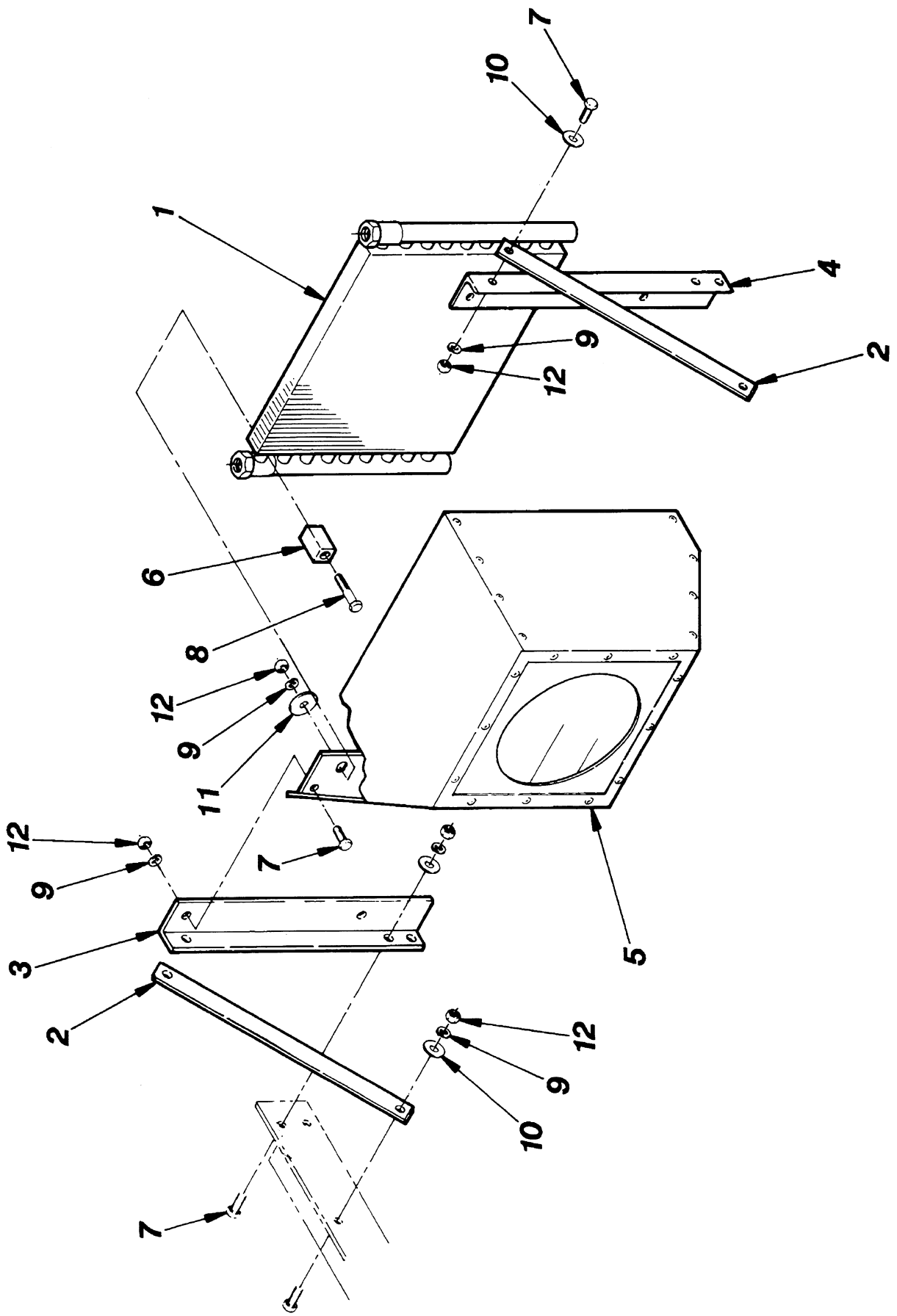



Figure 18373

## 18373

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P17598 | Oil Cooler, Transmission | 1 | ..... | |
| 2 | 18515A | Cross Support Bar | 2 | ..... | |
| 3 | 18516-1B | Upright Mounting Bracket | 1 | ..... | R.H. |
| 4 | 18516-2B | Upright Mounting Bracket | 1 | ..... | L.H. |
| 5 | 18517D | Air Shroud | 1 | ..... | |
| 6 | P26312 | Mounting Block | 4 | ..... | Rubber |
| 7 | P00105 | Bolt, Hx. | 12 | ..... | 5/16"-18 x 1 1/4" |
| 8 | P00111 | Bolt, Hx. | 4 | ..... | 5/16"-18 x 2 3/4" |
| 9 | P01309 | Lockwasher | 16 | ..... | 5/16" |
| 10 | P01403 | Flatwasher | 8 | ..... | 5/16" |
| 11 | P01453 | Flatwasher | 4 | ..... | 5/16" - Fender |
| 12 | P01507 | Nut, Hx. | 16 | ..... | 5/16"-18 |

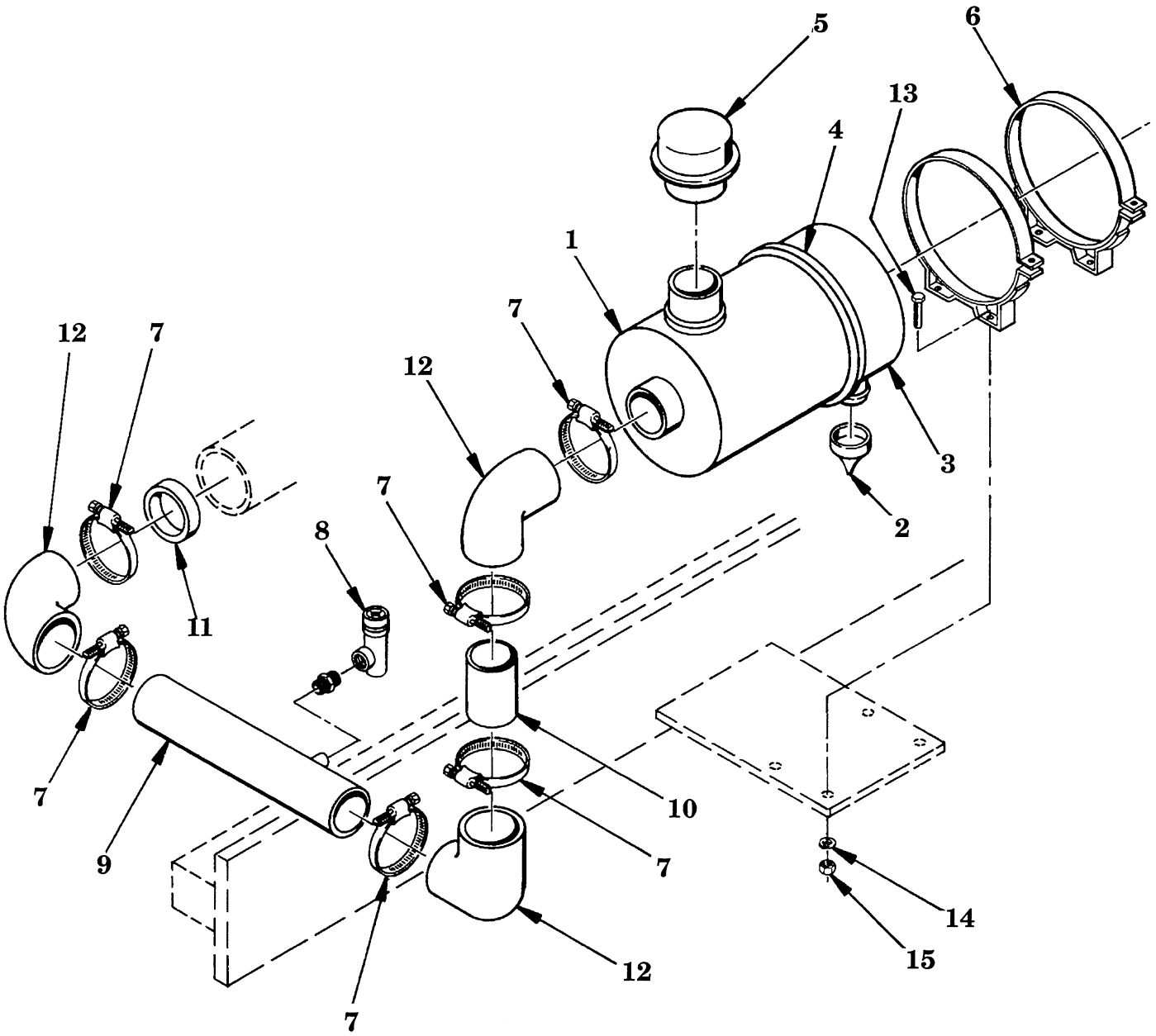



Figure 18376

## 18376

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P17135 | Air Cleaner | 1 | ..... | |
| 2 | P20342 | Valve, Vacuator | – | ..... | |
| 3 | P19728 | Cup, Vacuator | – | ..... | |
| 4 | P20905 | Clamp, Air Cleaner | – | ..... | |
| NI | P21721 | Baffle | – | ..... | |
| NI | P18169 | Thumb Screw | – | ..... | |
| NI | P17276 | Filter Element | – | ..... | |
| 5 | P17136 | Rain Cap | 1 | ..... | |
| 6 | P17137 | Mounting Band | 2 | ..... | |
| 7 | P10553 | Clamp, Hose | 6 | ..... | |
| 8 | P21309 | Service Indicator | 1 | ..... | Includes Fitting |
| 9 | 18595A | Tube, Air Intake | 1 | ..... | |
| 10 | 18347-16C | Tube, Extension | 1 | ..... | |
| 11 | P24777 | Adaptor, Intake | 1 | ..... | |
| 12 | P20854 | Elbow, Rubber | 3 | ..... | |
| 13 | P00204 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1" |
| 14 | P01310 | Lockwasher | 4 | ..... | 3/8" |
| 15 | P01508 | Nut, Hx. | 4 | ..... | 3/8"-16 |
| — | P19742 | Pre-Cleaner | – | ..... | |

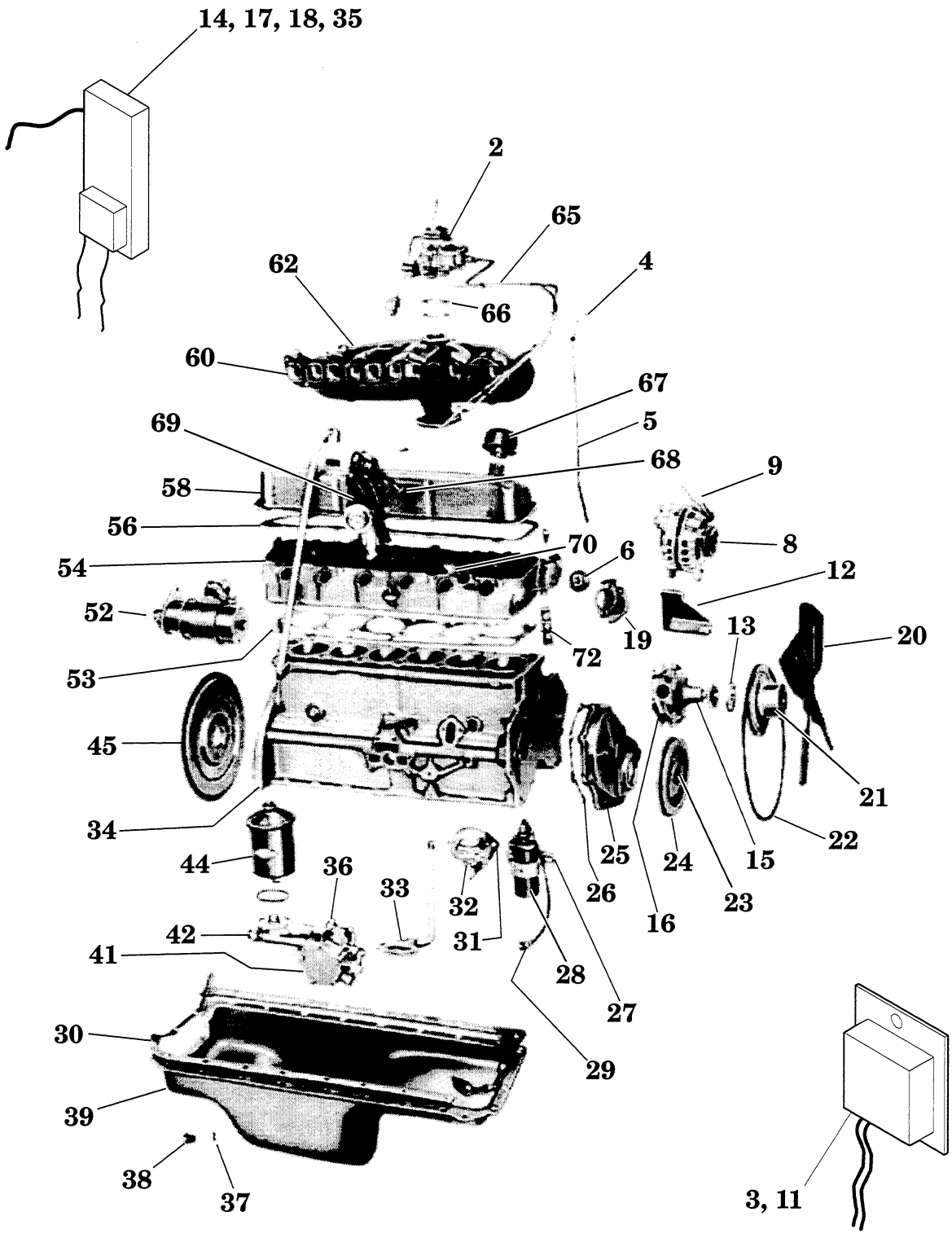



Figure P17985

## P17985 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 2 | P13549 | Carburetor | 1 | ..... | |
| 3 | P19204 | Voltage Regulator | 1 | ..... | |
| 4 | P13550 | Dipstick, Oil | 1 | ..... | |
| 5 | P16895 | Tube, Dipstick | 1 | ..... | |
| 6 | P13553 | Thermostat | 1 | ..... | |
| 8 | See Page 1-96 | Alternator | – | ..... | |
| 9 | P20157 | Alternator Adjusting Strap | 1 | ..... | |
| 11 | P19830 | Harness, Voltage Regulator | 1 | ..... | |
| 12 | P17003 | Bracket | 1 | ..... | |
| 13 | P20159 | Spacer | 1 | ..... | |
| 14 | P19722 | Electronic Ignition | 1 | ..... | |
| 15 | P17006 | Pump, Water | 1 | ..... | |
| 16 | P20158 | Gasket, Water Pump | 1 | ..... | |
| 17 | P19829 | Harness, Electronic Ignition | 1 | ..... | |
| 18 | P19750 | Resistor | 1 | ..... | |
| 19 | P20160 | Gasket, Water Outlet | 1 | ..... | |
| 20 | P13045 | Fan | 1 | ..... | |
| 21 | P13051 | Pulley | 1 | ..... | |
| 22 | P13041 | Belt, Fan | 1 | ..... | |
| 23 | P20161 | Key | 1 | ..... | |
| 24 | P15268 | Damper | 1 | ..... | |
| 25 | P17019 | Timing Cover | 1 | ..... | |
| 26 | P17020 | Gasket, Timing Cover | 1 | ..... | |
| 27 | P20162 | Bracket, Ignition | 1 | ..... | |
| 28 | P12683 | Coil | 1 | ..... | |
| 29 | P20163 | Cable | 1 | ..... | |
| 30 | P20164 | Gasket, Oil Pan | 1 | ..... | |
| 31 | P20165 | Gasket, Fuel Pump | 1 | ..... | |
| 32 | P13043 | Pump, Fuel | 1 | ..... | |
| 33 | P20166 | Strainer, Oil Pump | 1 | ..... | (Pipe Included) |
| 34 | P20167 | Block | 1 | ..... | |
| 35 | P19749 | Harness, Electronic Ignition | 1 | ..... | |
| 36 | P20168 | Gasket, Oil Pump | 1 | ..... | |
| 37 | P20169 | Gasket, Oil Plug | 1 | ..... | |
| 38 | P20170 | Plug, Oil | 1 | ..... | |
| 39 | P23171 | Pan, Oil | 1 | ..... | |
| 41 | P17017 | Pump, Oil | 1 | ..... | |
| 42 | P20172 | Cap, Oil Pump | 1 | ..... | |
| 43 | P19720 | Flywheel Housing | 1 | ..... | (Not Shown) |
| 44 | P12089 | Filter, Oil | 1 | ..... | |
| 45 | P16893 | Flywheel & Ring Gear | 1 | ..... | Funk Trans. |
| | P21764 | Flywheel & Ring Gear | 1 | ..... | Clark Trans. |
| 52 | P17856 | Starter | 1 | ..... | |
| 53 | P20184 | Gasket, Cylinder Head | 1 | ..... | |
| 54 | P20185 | Head, Cylinder | 1 | ..... | |
| 56 | P16879 | Gasket, Valve Cover | | ..... | |
| 58 | P20186 | Valve Cover | 1 | ..... | |
| 60 | P17023 | Manifold, Exhaust | 1 | ..... | |

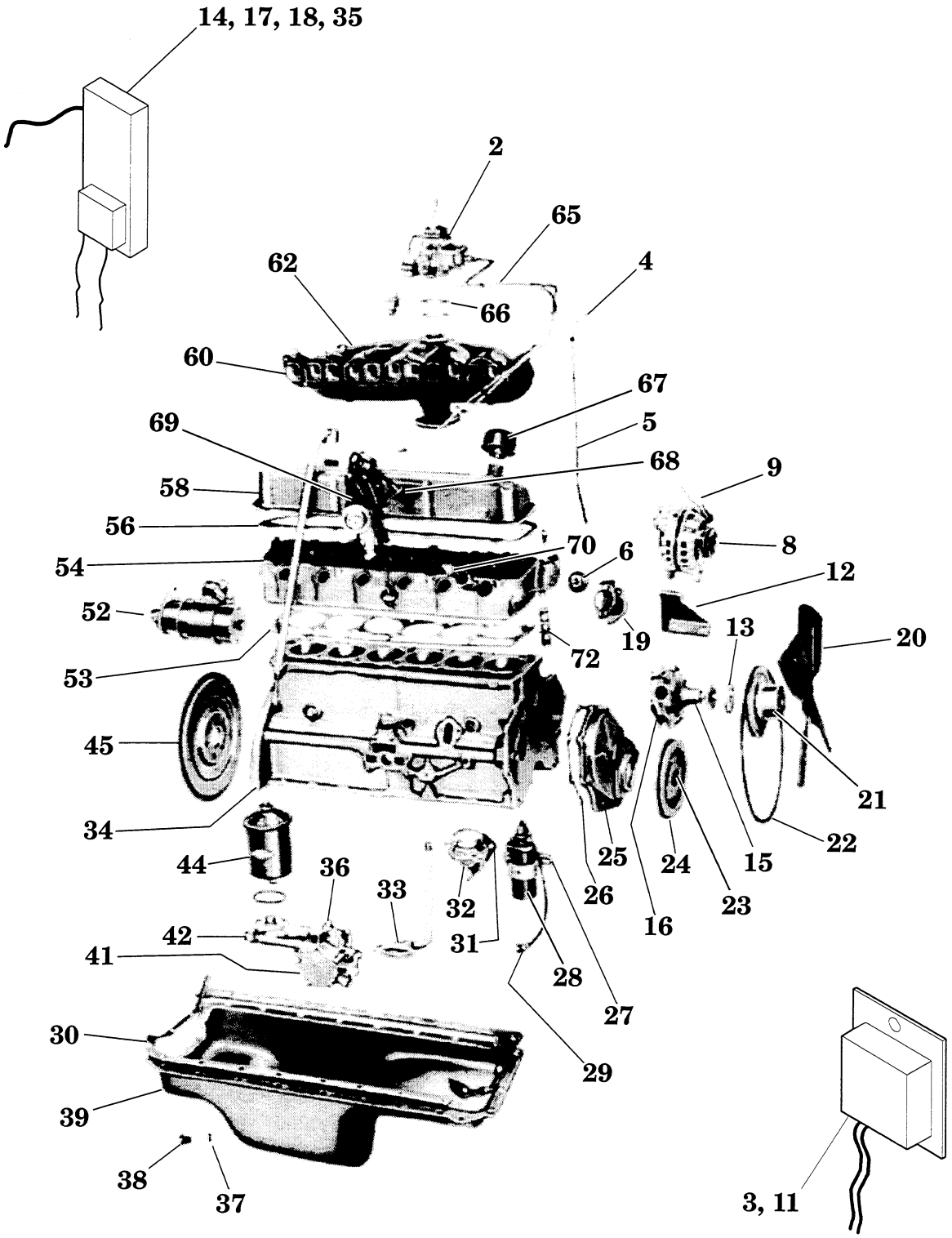



Figure P17985

## P17985 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 62 | P17022 | Manifold, Intake | 1 | ..... | |
| 65 | P15267 | Filter, Fuel | 1 | ..... | |
| 66 | P17932 | Gasket, Carburetor | | ..... | |
| 67 | P17126 | Breather | 1 | ..... | |
| 68 | P13561 | Cable, Spark Plug | 1 | ..... | |
| 69 | See Page 1-94 | Distributor | 1 | ..... | |
| 70 | P20187 | Spark Plug | 6 | ..... | |
| 72 | P20188 | Hose | 1 | ..... | |

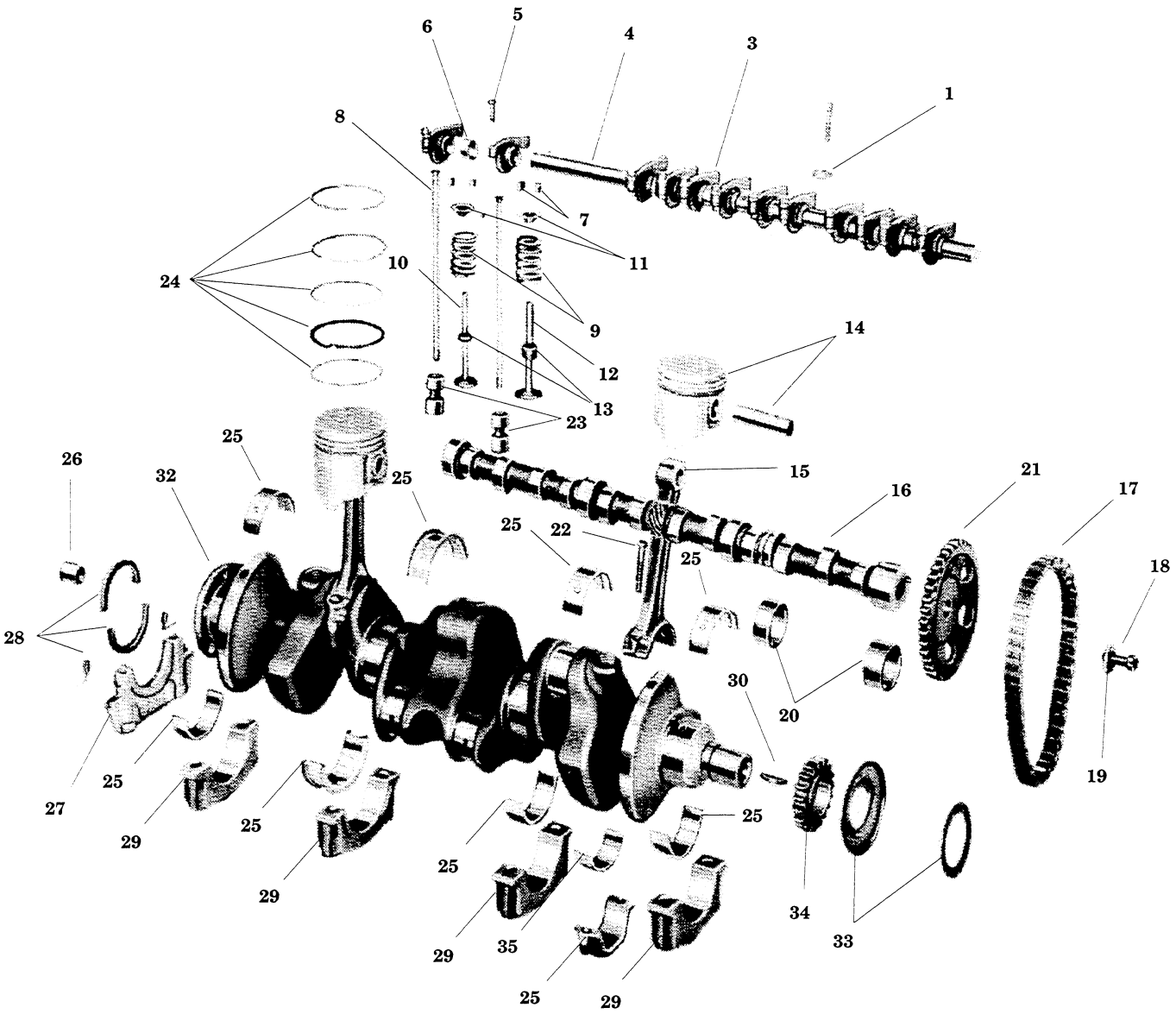



Figure P17985-1

## P17985-1 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20195 | Retainer | 6 | ..... | (End & Intermediate) |
| | P20196 | Retainer | 1 | ..... | (Center) |
| 3 | P20197 | Valve, Rocker | 12 | ..... | |
| 4 | P20198 | Shaft, Valve Rocker | 1 | ..... | |
| 5 | P20199 | Screw | 12 | ..... | |
| 6 | P20200 | Spacer | 6 | ..... | |
| 7 | P19666 | Lock, Valve Spring Ret. | 12 | ..... | (Intake) |
| | P20201 | Lock, Valve Spring Ret. | 12 | ..... | (Exhaust) |
| 8 | P20202 | Rod, Valve Push | 12 | ..... | |
| 9 | P19669 | Spring | 12 | ..... | |
| 10 | P20203 | Valve, Intake (Std.) | 6 | ..... | |
| | P20204 | Valve, Intake (.005 O/S) | 6 | ..... | |
| | P20205 | Valve, Intake (.015 O/S) | 6 | ..... | |
| | P20206 | Valve, Intake (.030 O/S) | 6 | ..... | |
| 11 | P20207 | Retainer, Intake | 12 | ..... | |
| | P19667 | Retainer, Exhaust | 12 | ..... | |
| 12 | P20208 | Valve, Exhaust (Std.) | 6 | ..... | |
| | P20209 | Valve, Exhaust (.005 O/S) | 6 | ..... | |
| | P20210 | Valve, Exhaust (.015 O/S) | 6 | ..... | |
| | P20211 | Valve, Exhaust (.030 O/S) | 6 | ..... | |
| 13 | P19665 | Shield, Intake | 6 | ..... | |
| | P20212 | Shield, Exhaust | 6 | ..... | |
| 14 | P20213 | Piston W/Pin (Std.) | 6 | ..... | |
| | P20214 | Piston W/Pin (.005 O/S) | 6 | ..... | |
| | P20215 | Piston W/Pin (.020 O/S) | 6 | ..... | |
| | P20216 | Piston W/Pin (.040 O/S) | 6 | ..... | |
| | P20217 | Piston W/Pin (.060 O/S) | 6 | ..... | |
| 15 | P20218 | Rod, Connecting | 6 | ..... | |
| 16 | P20219 | Camshaft | 1 | ..... | |
| 17 | P20220 | Chain, Timing | 1 | ..... | |
| 18 | P20221 | Screw | 1 | ..... | |
| 19 | P20222 | Washer | 1 | ..... | |
| 20 | P20223 | Bearing (No. 1 - Std.) | 1 | ..... | |
| | P20224 | Bearing (No. 1 - .010 O/S) | 1 | ..... | |
| | P20225 | Bearing (No. 2 - Std.) | 1 | ..... | |
| | P20226 | Bearing (No. 2 - .010 O/S) | 1 | ..... | |
| | P20227 | Bearing (No. 3 - Std.) | 1 | ..... | |
| | P20228 | Bearing (No. 3 - .010 O/S) | 1 | ..... | |
| | P20229 | Bearing (No. 4 - Std.) | 1 | ..... | |
| | P20230 | Bearing (No. 4 - .010 O/S) | 1 | ..... | |
| 21 | P20231 | Sprocket, Camshaft | 1 | ..... | |
| 22 | P20232 | Bolt | 12 | ..... | |
| 23 | P20233 | Tappet, Valve (Std.) | 12 | ..... | |
| | P20234 | Tappet, Valve (.001 O/S) | 12 | ..... | |
| | P20235 | Tappet, Valve (.008 O/S) | 12 | ..... | |
| | P20236 | Tappet, Valve (.030 O/S) | 12 | ..... | |
| 24 | P20237 | Ring Set (Std. to .009 O/S) | 1 | ..... | |
| | P20238 | Ring Set (.020 to .029 O/S) | 1 | ..... | |
| | P20239 | Ring Set (.040 to .049 O/S) | 1 | ..... | |
| 25 | P20240 | Bearing Pkg. | 1 | ..... | (No. 1 - Std.) |

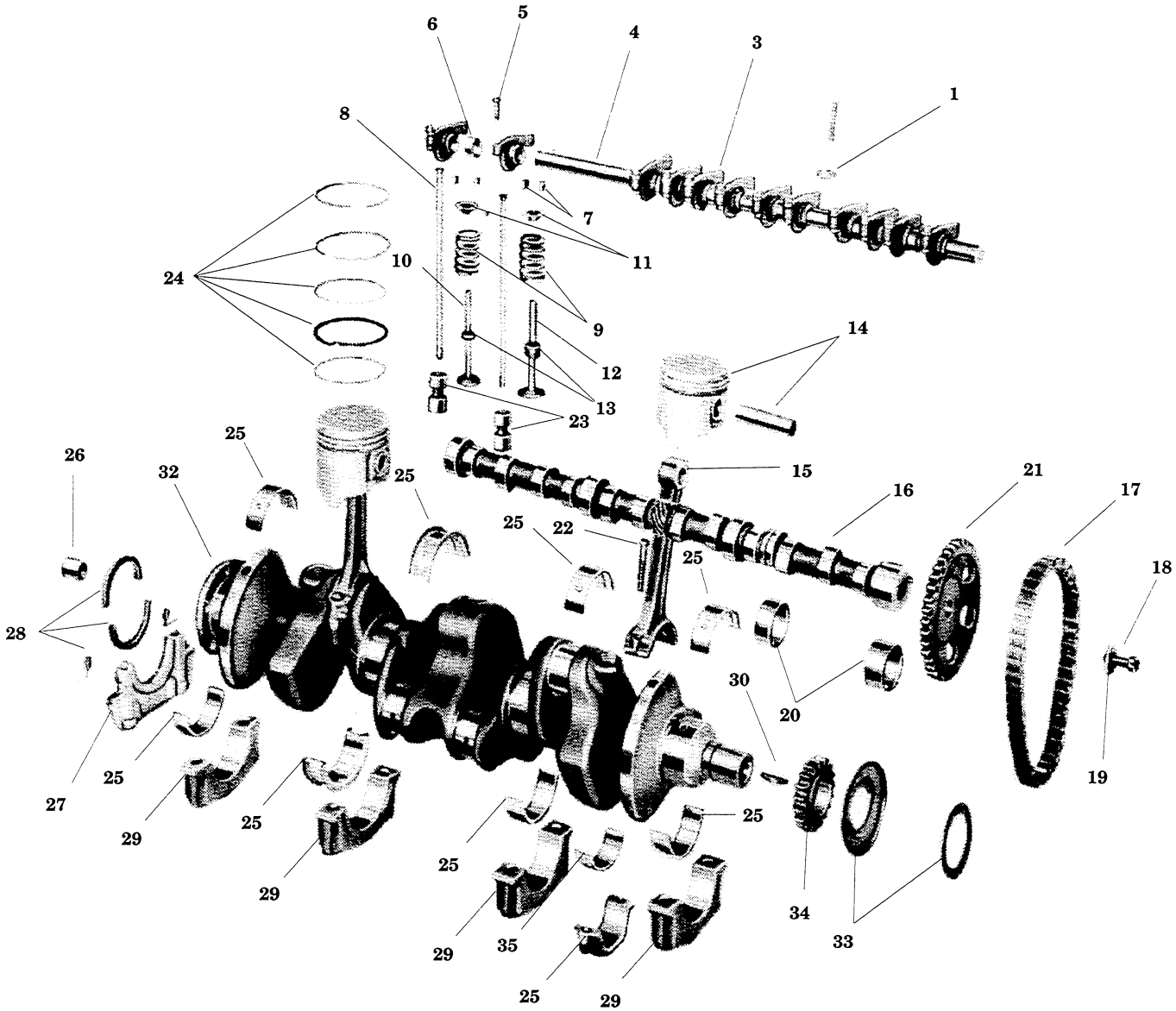



Figure P17985-1

## P17985-1 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| | P20241 | Bearing Pkg. | 1 | ..... | (No. 1 - .001 U/S) |
| | P20242 | Bearing Pkg. | 1 | ..... | (No. 1 - .001 U/S) |
| | P20243 | Bearing Pkg. | 1 | ..... | (No. 1 - .003 U/S) |
| | P20244 | Bearing Pkg. | 1 | ..... | (No. 1 - .010 U/S) |
| | P20245 | Bearing Pkg. | 1 | ..... | (No. 1 - .012 U/S) |
| | P20246 | Bearing Pkg. | 2 | ..... | (No. 2 & 4 - Std.) |
| | P20247 | Bearing Pkg. | 2 | ..... | (No. 2 & 4 - .001 U/S) |
| | P20248 | Bearing Pkg. | 2 | ..... | (No. 2 & 4 - .002 U/S) |
| | P20249 | Bearing Pkg. | 2 | ..... | (No. 2 & 4 - .003 U/S) |
| | P20250 | Bearing Pkg. | 2 | ..... | (No. 2 & 4 - .010 U/S) |
| | P20251 | Bearing Pkg. | 2 | ..... | (No. 2 & 4 - .012-U/S) |
| | P20252 | Bearing Pkg. | 1 | ..... | (No. 3 - Std.) |
| | P20253 | Bearing Pkg. | 1 | ..... | (No. 3 - .001 U/S) |
| | P20254 | Bearing Pkg. | 1 | ..... | (No. 3 - .002 U/S) |
| | P20255 | Bearing Pkg. | 1 | ..... | (No. 3 - .003 U/S) |
| | P20256 | Bearing Pkg, | 1 | ..... | (No. 3 - .010 U/S) |
| | P20257 | Bearing Pkg. | 1 | ..... | (No. 3 - .012 U/S) |
| 26 | P19640 | Bushing, Crankshaft | 1 | ..... | |
| 27 | P20258 | Retainer | t | ..... | |
| 28 | P20259 | Seal & Retainer | 2 | ..... | |
| 29 | P20260 | Cap (No. 1 & 2) | 2 | ..... | |
| | P20261 | Cap (No. 3) | 1 | ..... | |
| | P20262 | Cap (No. 4) | | ..... | |
| 30 | P19635 | Key | 1 | ..... | |
| 32 | P20263 | Crankshaft | 1 | ..... | |
| 33 | P23264 | Seal | 1 | ..... | |
| 34 | P20265 | Sprocket | 1 | ..... | |
| 35 | P20266 | Bearing, Conn. Rod (Std.) | 12 | ..... | |
| | P20267 | Bearing, Conn. Rod (.001 U/S3 | 12 | ..... | |
| | P20268 | Bearing, Conn. Rod (.002 U/S) | 12 | ..... | |
| | P20269 | Bearing, Conn. Rod (.003 U/S) | 12 | ..... | |
| | P20270 | Bearing, Conn. Rod (.010 U/S) | 12 | ..... | |
| | P20271 | Bearing, Conn. Rod (.012 U/S) | 12 | ..... | |

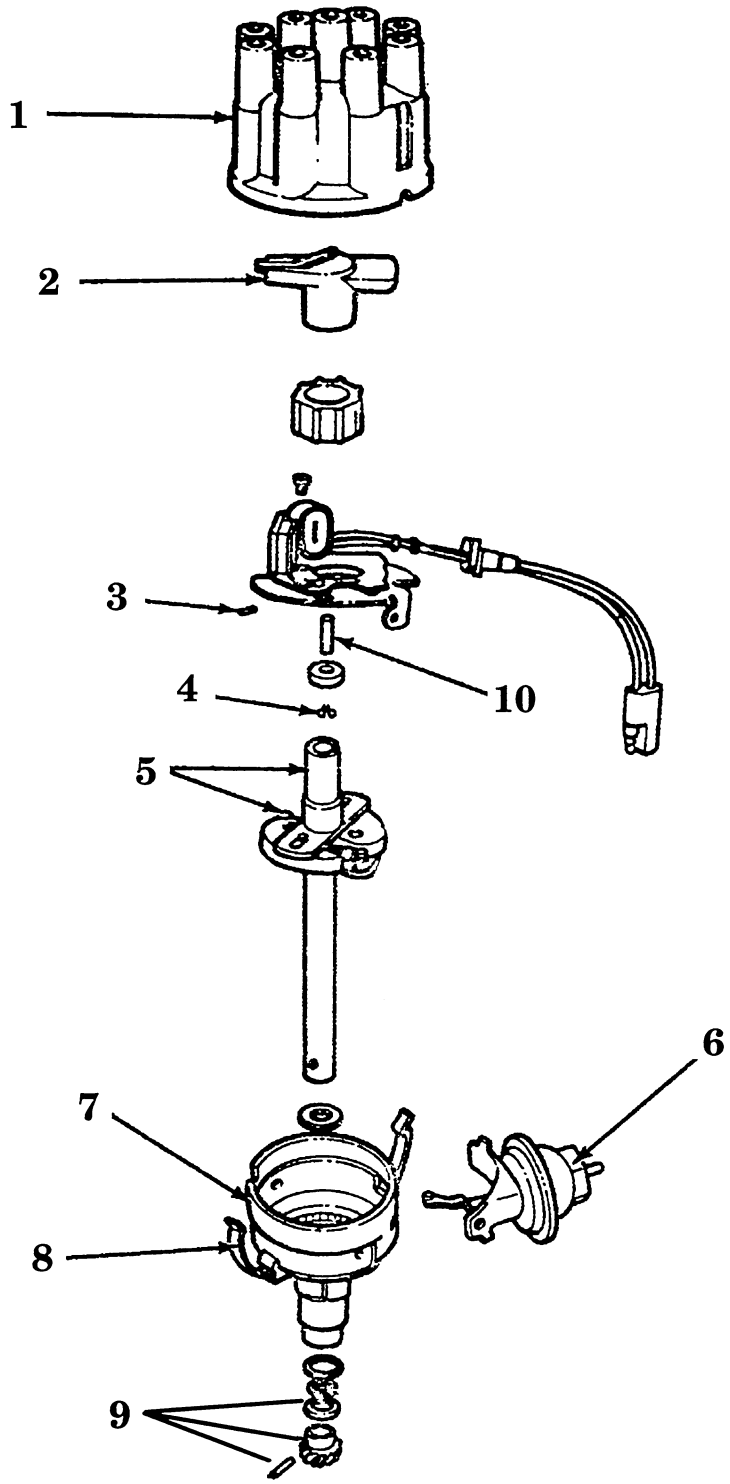



Figure P13028

# P13028

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P13033 | Cap | 1 | ..... | |
| 2 | P17297 | Rotor | 1 | ..... | |
| 3 | P19541 | Pin | 1 | ..... | |
| 4 | P19539 | Ring, Snap | 1 | ..... | |
| 5 | P20278 | Governor Assy. | 1 | ..... | |
| 6 | P20279 | Vacuum Control | 1 | ..... | |
| 7 | P20281 | Housing W/Bearings | 1 | ..... | |
| 8 | P19546 | Spring, Cap Attachment | 2 | ..... | |
| 9 | P20282 | Gear & Pin Pkg. | 1 | ..... | |

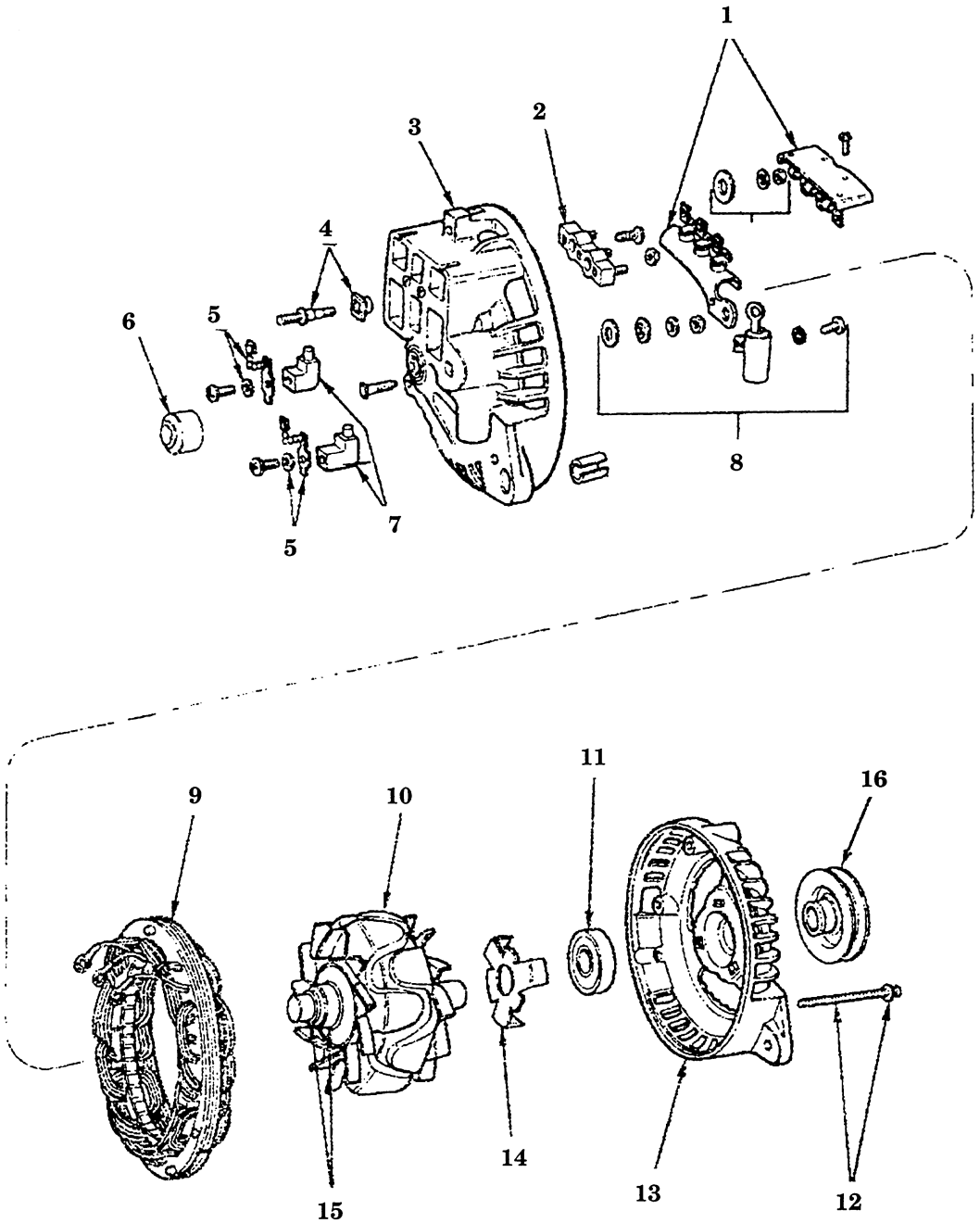



**Figure P17700**

# P17700

| ITEM | PART NO. | DESCRIPTION | QTY | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19551 | Heat Sink and Battery Pkg. Positive | 1 | ..... | Positive |
| | P19552 | Heat sink and Battery Pkg. Negative | 1 | ..... | Negative |
| 2 | P19553 | Insulator | 1 | ..... | |
| 3 | P19554 | Shield, Rectifier End | 1 | ..... | |
| 4 | P19555 | Terminal, Battery Heat Sink | 1 | ..... | Positive |
| 5 | P19556 | Brush, Washer And Terminal Pkg. | 1 | ..... | |
| 6 | P19557 | Bearing, Rectifier End Shield | 1 | ..... | |
| 7 | P19558 | Holder, Brush Axial | 1 | ..... | |
| | P19559 | Holder, Brush Radial | 1 | ..... | |
| 8 | P19560 | Capacitor and Insulator Pkg. | 1 | ..... | |
| 9 | P19561 | Stator | 1 | ..... | |
| 10 | P19562 | Rotor | 1 | ..... | |
| 11 | P19563 | Bearing, Drive End Shield | 1 | ..... | |
| 12 | P19564 | Screw, Frame | 3 | ..... | |
| 13 | P19565 | Shield, Drive End | 1 | ..... | |
| 14 | P19566 | Plate, Drive End Bearing Retainer | 1 | ..... | |
| 15 | P19567 | Slip Ring and Retainer Pkg. | 1 | ..... | |
| 16 | P20283 | Pulley | 1 | ..... | |

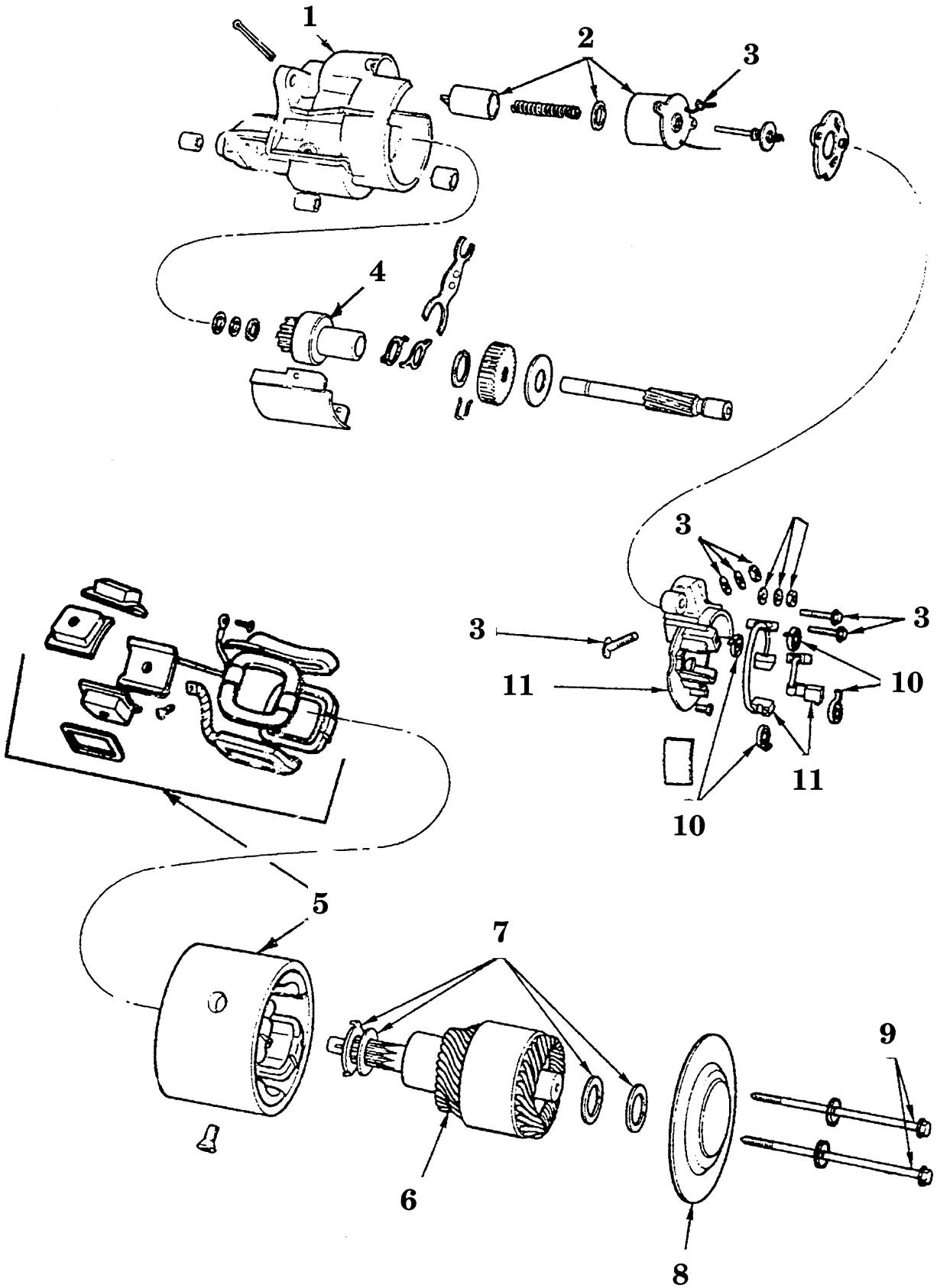



Figure P17856

## P17856

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20173 | Housing | 1 | ..... | |
| 2 | P20174 | Solenoid Pkg. | 1 | ..... | |
| 3 | P20175 | Stud & Seal Pkg. | 1 | ..... | |
| 4 | P20176 | Clutch | 1 | ..... | |
| 5 | P20177 | Coil Pkg. Field | 1 | ..... | |
| 6 | P20178 | Armature | 1 | ..... | |
| 7 | P20179 | Thrust Washer Pkg. | 1 | ..... | |
| 8 | P20180 | Head | 1 | ..... | |
| 9 | P20181 | Bolt | 2 | ..... | |
| 10 | P20182 | Spring Pkg. Brush | 1 | ..... | |
| 11 | P20183 | Brush Pkg. | 1 | ..... | |

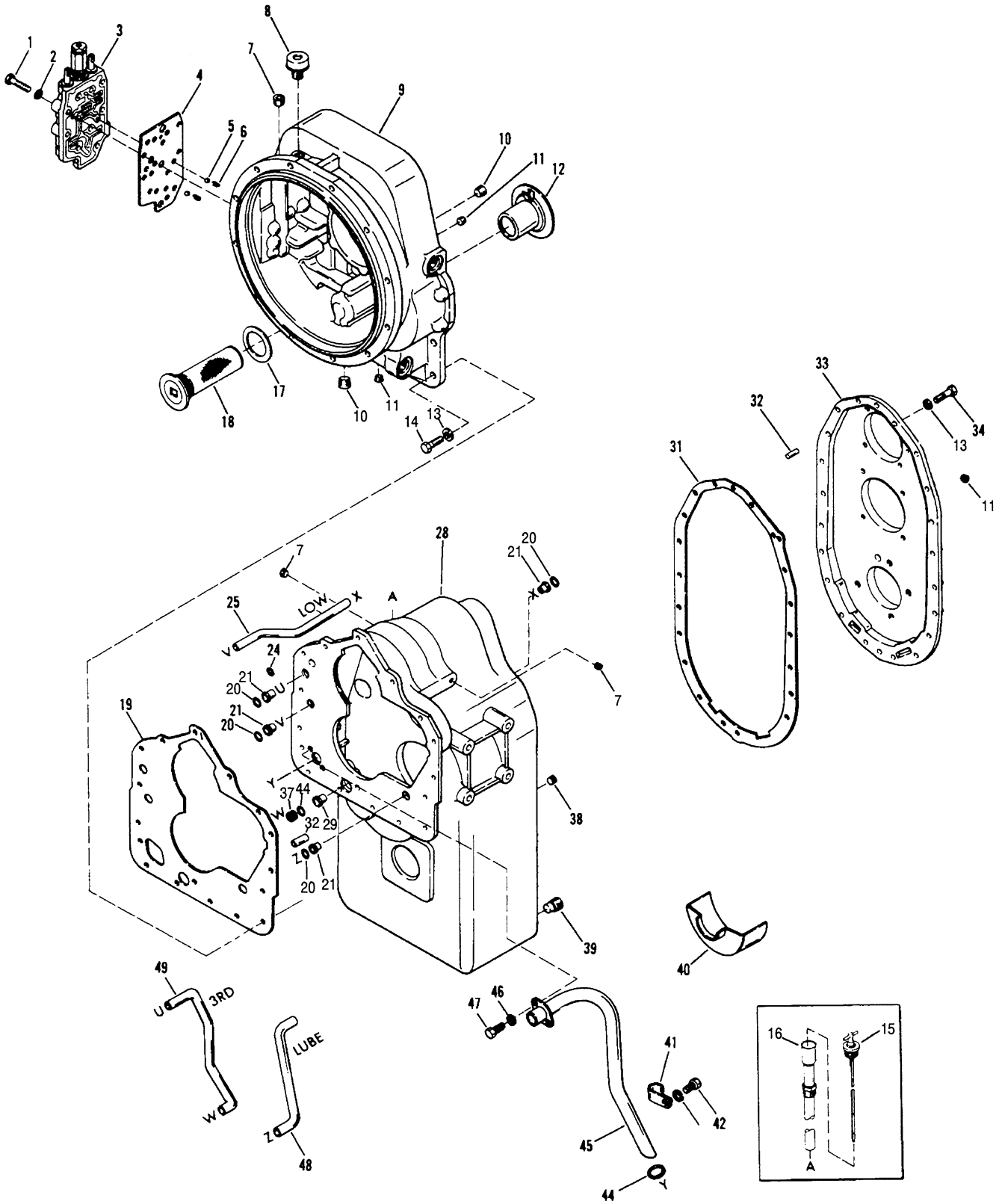



**Figure P19900-1**

# P19900-1 Converter & Transmission Case Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20577 | Bolt | 9 | ..... | Valve to Converter Housing |
| 2 | P20538 | Lockwasher | 9 | ..... | |
| 3 | P20579 | Control Valve Assembly | 1 | ..... | |
| 4 | P20580 | Gasket, Control Valve | 1 | ..... | |
| 5 | P20581 | Ball, Detent | 2 | ..... | |
| 6 | P20582 | Spring, Detent | 2 | ..... | |
| 7 | P20583 | Plug, Pipe | 3 | ..... | |
| 8 | P20584 | Air Breather | 1 | ..... | |
| 9 | P20585 | Housing, Converter | 1 | ..... | |
| 10 | P20586 | Plug, Pipe | 2 | ..... | |
| 11 | P20587 | Plug, Pipe | 3 | ..... | |
| 12 | P20588 | Sleeve, Converter Housing | 1 | ..... | |
| 13 | P20589 | Lockwasher | 37 | ..... | |
| 14 | P20590 | Bolt | 17 | ..... | Converter Housing to Trans. |
| 15 | P20632 | Dipstick | 1 | ..... | |
| 16 | P20631 | Dipstick Tube Assembly | 1 | ..... | |
| 17 | P20593 | Gasket, Screen Assembly | 1 | ..... | |
| 18 | P20594 | Screen Assembly | 1 | ..... | |
| 19 | P20595 | Housing to Case Gasket | 1 | ..... | |
| 20 | P20596 | 0-Ring, Pressure Tube | 4 | ..... | |
| 21 | P20597 | Tube Sleeve | 4 | ..... | |
| 24 | P20600 | 0-Ring, Clutch Pressure | 1 | ..... | |
| 25 | P20601 | Tube, Clutch Pressure | 1 | ..... | Low Speed |
| 28 | P20603 | Transmission Case Assy. | 1 | ..... | Incl. Items 21, 25, 29, 44 – 49 |
| 29 | P20627 | Tube Sleeve | 1 | ..... | |
| 31 | P20606 | Rear Cover to Case Gasket | 1 | ..... | |
| 32 | P20607 | Pin, Dowel | 3 | ..... | |
| 33 | P20608 | Rear Cover & Plug Assembly | 1 | ..... | Incl. Item 11 |
| 34 | P20609 | Rear Cover to Case Screw | 20 | ..... | |
| 37 | P20630 | Plug, Pressure | 1 | ..... | 3rd Speed |
| 38 | P20613 | Plug, Pipe | 1 | ..... | |
| 39 | P20614 | Plug, Magnetic Drain | 1 | ..... | |
| 40 | P20615 | Oil Baffle | 1 | ..... | |
| 41 | P20616 | Clip, Suction Tube | 1 | ..... | |
| 42 | P20617 | Screw, Clip Retaining | 1 | ..... | |
| 44 | P20619 | 0-Ring | 2 | ..... | |
| 45 | P20620 | Suction Tube Assembly | 1 | ..... | |
| 46 | P20621 | Lockwasher, Retaining Screw | 2 | ..... | Suction Tube |
| 47 | P20622 | Screw, Retaining | 2 | ..... | Suction Tube |
| 48 | P20623 | Tube, Clutch Lube | 1 | ..... | |
| 49 | P20624 | Tube | 1 | ..... | 3rd. Speed |

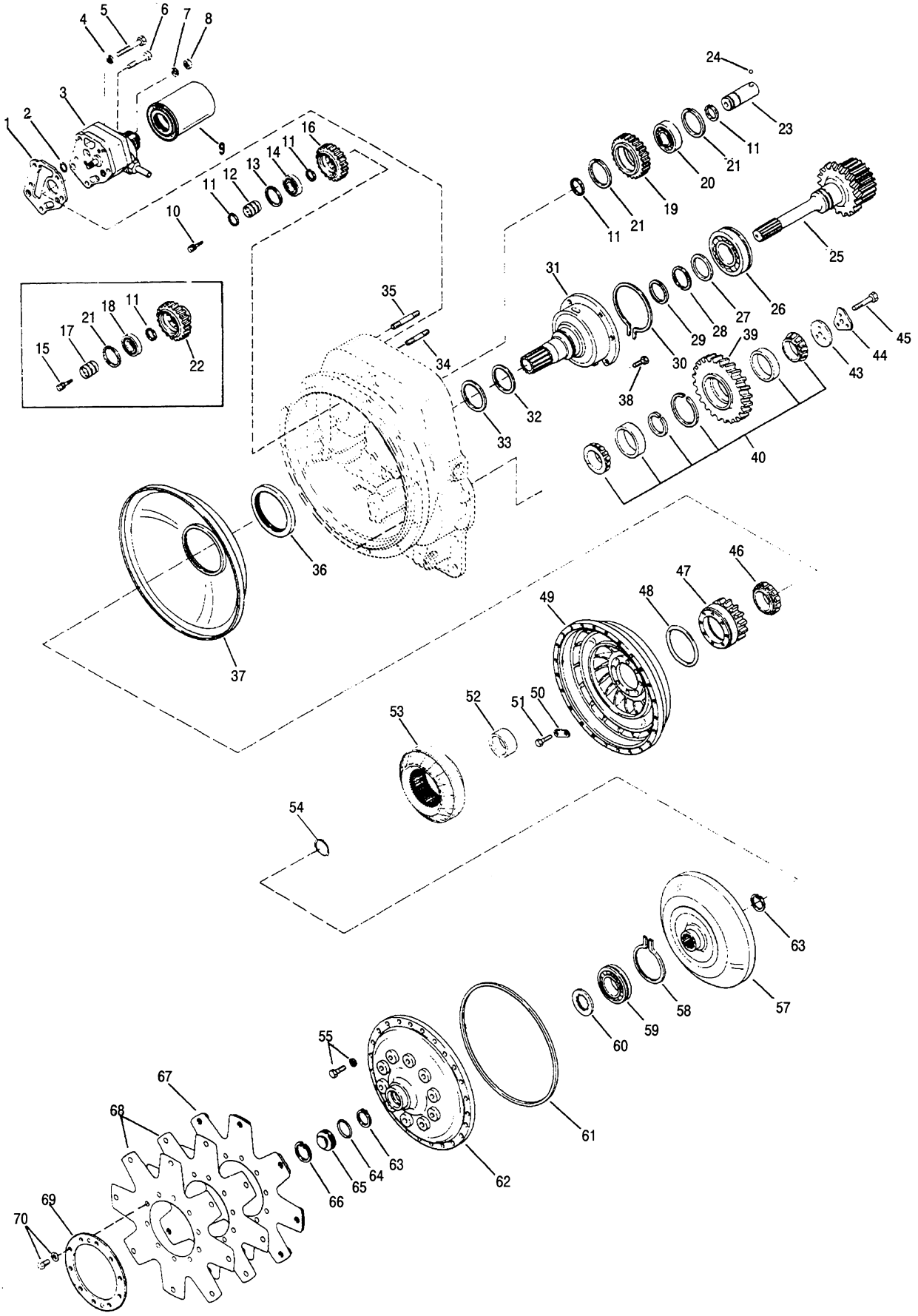



**Figure P19900-2**

# P19900-2 Impeller & Driveplate Assembly (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20500 | Pump to Housing Gasket | 1 | ..... | |
| 2 | P20501 | O-Ring | 1 | ..... | |
| 3 | P20502 | Charging Pump Assembly | 1 | ..... | |
| 4 | P20503 | Lockwasher, Screw | 3 | ..... | Pump Mounting |
| 5 | P20504 | Screw | 1 | ..... | Pump Mounting |
| 6 | P20505 | Screw | 2 | ..... | Pump Mounting |
| 7 | P20506 | Lockwasher, Stud | 2 | ..... | Pump Mounting |
| 8 | P20507 | Nut, Stud | 2 | ..... | Pump Mounting |
| 9 | P20508 | Filter Assembly | 1 | ..... | |
| 10 | P20509 | Screw & Lockwasher | 2 | ..... | Bearing Support |
| 11 | P20510 | Bearing Locating Ring | 15 | ..... | |
| 12 | P20511 | Support, Bearing | 1 | ..... | Pump Drive |
| 13 | P20512 | Ring, Retaining | 1 | ..... | Bearing |
| 14 | P20513 | Bearing, Gear | 1 | ..... | Pump Drive |
| 15 | P20571 | Screw & Lockwasher | 2 | ..... | Bearing Support |
| 16 | P20515 | Gear | 1 | ..... | Pump Drive |
| 17 | P20572 | Support, Drive Bearing | 1 | ..... | Auxiliary Pump |
| 18 | P20574 | Bearing, Gear | 1 | ..... | Pump Drive |
| 19 | P20518 | Gear, Idler | 1 | ..... | Pump Drive |
| 20 | P20519 | Bearing, Shaft | 1 | ..... | Idler Stub |
| 21 | P20520 | Ring, Retaining | 3 | ..... | Bearing |
| 22 | P20576 | Gear, Drive | 1 | ..... | Auxiliary Pump |
| 23 | P20522 | Shaft, Stub | 1 | ..... | Idler Gear |
| 24 | P20523 | Shaft, Stub | 1 | ..... | Lockball |
| 25 | P20524 | Turbine Shaft & Disc. Hub Assembly | 1 | ..... | |
| 26 | P20525 | Bearing, Turbine Shaft | 1 | ..... | |
| 27 | P20526 | Washer, Locating | 1 | ..... | Bearing |
| 28 | P20527 | Ring, Retaining | 1 | ..... | Bearing |
| 29 | P20528 | Ring, Piston | 1 | ..... | |
| 30 | P20529 | Ring, Snap | 1 | ..... | Bearing |
| 31 | P20530 | Stator Support | 1 | ..... | |
| 32 | P20531 | Spring, Expander | 1 | ..... | Piston Ring |
| 33 | P20532 | Ring, Piston | 1 | ..... | |
| 34 | P20533 | Stud | 1 | ..... | Pump Mounting |
| 35 | P20534 | Stud | 1 | ..... | Pump Mounting |
| 36 | P20535 | Oil Seal | 1 | ..... | |
| 37 | P20536 | Oil Baffle Assembly | 1 | ..... | |
| 38 | P20537 | Screw, Stator Support | 6 | ..... | |
| 38A | P20538 | Lockwasher, Screw | 6 | ..... | Stator Support |
| 39 | P20539 | Gear | 1 | ..... | Reverse Idler |
| 40 | P20540 | Gear Bearing Assembly | 1 | ..... | Reverse Idler |
| NI | P20541 | Pin, Shaft | 1 | ..... | Reverse Idler |
| NI | P20542 | Shaft | 1 | ..... | Reverse Idler |
| 43 | P20543 | Plate, Retaining | 1 | ..... | Bearing |
| 44 | P20544 | Lock Plate | 1 | ..... | |
| 45 | P20545 | Screw | 3 | ..... | Retaining Plate |
| 46 | P20546 | Gear Bearing | 1 | ..... | Impeller Hub |
| 47 | P20547 | Gear | 1 | ..... | Impeller Hub |
| 48 | P20548 | O-Ring | 1 | ..... | Impeller Hub |

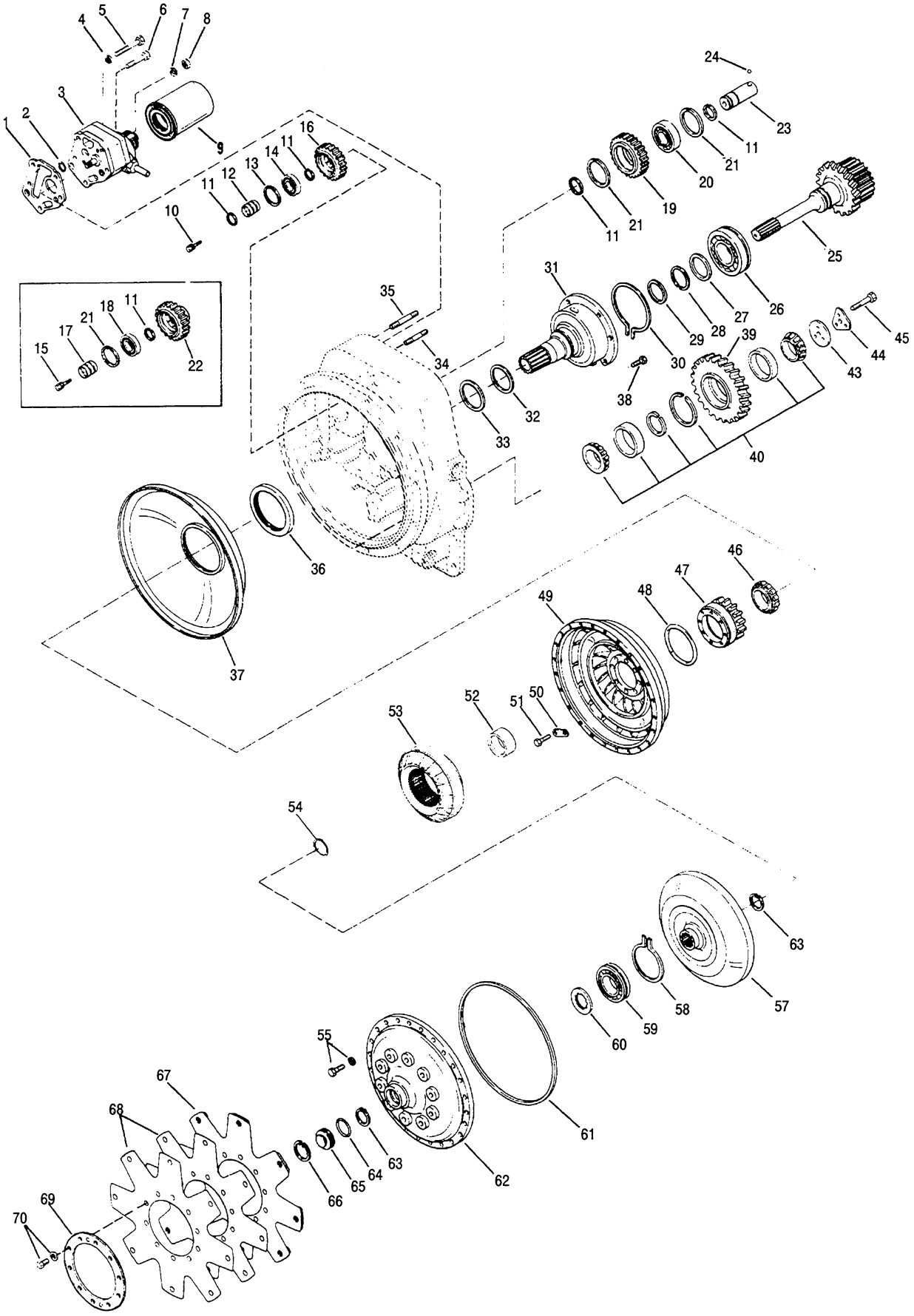



**Figure P19900-2**

# P19900-2 Impeller & Driveplate Assembly (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 49 | P20549 | Impeller | 1 | ..... | |
| 50 | P20550 | Impeller to Hub Screw Lock Tab | 4 | ..... | |
| 51 | P20551 | Impeller to Hub Screw | 8 | ..... | |
| 52 | P20552 | Impeller to Hub Bearing Spacer | 1 | ..... | |
| 53 | P20553 | Reaction Member | 1 | ..... | |
| 54 | P20554 | Ring, Retaining | 1 | ..... | |
| 55 | P20555 | Impeller to Cover Screw & Lockwasher | 24 | ..... | |
| 57 | P20557 | Turbine | 1 | ..... | |
| 58 | P20558 | Ring, Locating | 1 | ..... | Turbine Hub Bearing |
| 59 | P20559 | Bearing | 1 | ..... | Turbine Hub |
| 60 | P20560 | Washer, Retaining | 1 | ..... | Bearing |
| 61 | P20561 | Impeller to Cover O-Ring | 1 | ..... | |
| 62 | P20562 | Cover, Impeller | 1 | ..... | |
| 63 | P20556 | Ring, Retaining | 2 | ..... | Turbine |
| 64 | P20564 | Impeller Cover Bore Plug O-Ring | 1 | ..... | |
| 65 | P20565 | Plug, Bore | 1 | ..... | |
| 66 | P20556 | Ring, Retaining | 1 | ..... | Bore Plug |
| 67 | P20567 | Driveplate Assembly | 1 | ..... | |
| 68 | P20568 | Driveplate | 2 | ..... | |
| 69 | P20569 | Ring, Backing | 1 | ..... | Driveplate |
| 70 | P20570 | Mounting Screw & Lockwasher | 10 | ..... | Driveplate |

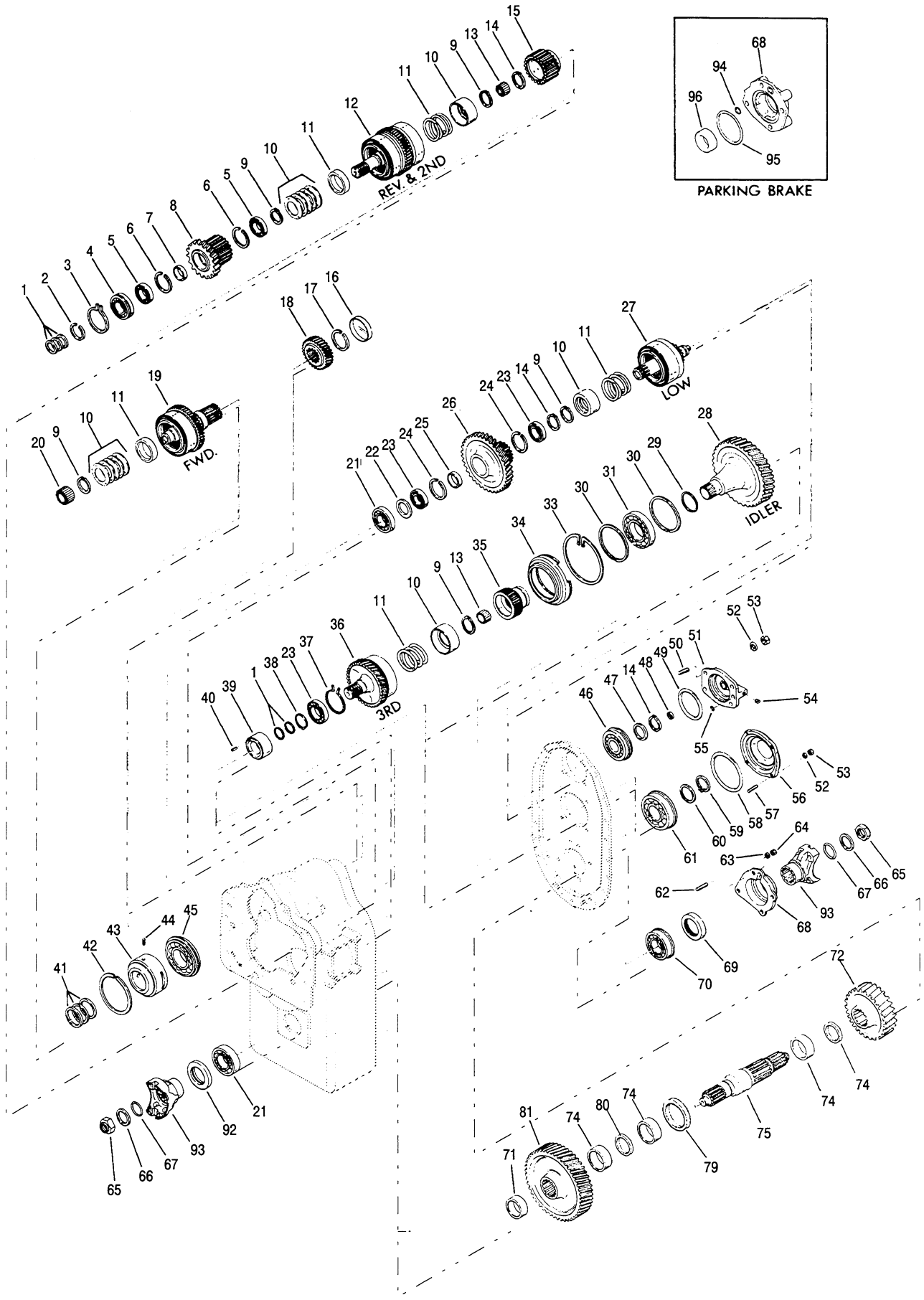



Figure P19900-3

# P19900-3 Clutch & Gear Group Assembly (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20633 | Ring, Piston | 5 | ..... | |
| 2 | P20634 | Ring, Retaining | 1 | ..... | Front Bearing |
| 3 | P20635 | Ring, Snap | 1 | ..... | Front Bearing |
| 4 | P20636 | Reverse & 2nd. Shaft Front Bearing | 1 | ..... | |
| 5 | P20637 | Bearing, Gear | 2 | ..... | Clutch Driven |
| 6 | P20638 | Ring, Retaining | 2 | ..... | Bearing |
| 7 | P20639 | Spacer, Gear Bearing | 1 | ..... | Clutch Driven |
| 8 | P20640 | Gear & Hub Assembly | 1 | ..... | Reverse Clutch |
| 9 | P20643 | Ring, Snap | 5 | ..... | Spring Retainer |
| 10 | P20644 | Retainer, Spring | 5 | ..... | |
| 11 | P20645 | Spring, Piston Return | 5 | ..... | |
| 12 | See Page 1-110 | Reverse & 2nd. Shaft | 1 | ..... | |
| 13 | P20650 | Bearing, Shaft | 2 | ..... | |
| 14 | P20651 | Ring, Retaining | 3 | ..... | |
| 15 | P20652 | 2nd. Clutch Disc. Hub | 1 | ..... | |
| 16 | P20653 | Plug, Bore | 1 | ..... | |
| 17 | P20654 | Ring, Snap | 1 | ..... | Gear Retainer |
| 18 | P20655 | Gear, Shaft | 1 | ..... | Forward |
| 19 | See Page 1-110 | Shaft, Forward | 1 | ..... | |
| 20 | P20660 | Bearing, Pilot | 1 | ..... | Forward Shaft |
| 21 | P20661 | Bearing, Front | 2 | ..... | Low Speed Clutch Shaft |
| 22 | P20662 | Spacer, Bearing | 1 | ..... | Front |
| 23 | P20663 | Bearing, Gear | 3 | ..... | |
| 24 | P20664 | Ring, Locating | 2 | ..... | Low Speed Gear Bearing |
| 25 | P20665 | Spacer, Gear | 1 | ..... | Low Speed |
| 26 | P20666 | Gear & Hub Assembly | 1 | ..... | Low Shaft |
| 27 | See Page 1-110 | Shaft, Low Clutch | 1 | ..... | |
| 28 | P20674 | Shaft, Idler | 1 | ..... | |
| 29 | P20675 | Ring, Retaining | 1 | ..... | Bearing |
| 30 | P20676 | Ring, Locating | 2 | ..... | Bearing |
| 31 | P20677 | 3rd. Clutch Disc, Hub Brg. | 1 | ..... | |
| 33 | P20679 | Ring, Locating | 1 | ..... | Bearing Carrier |
| 34 | P20680 | Carrier, Bearing | 1 | ..... | |
| 35 | P20681 | 3rd. Clutch Disc, Hub | 1 | ..... | |
| 36 | See Page 1-110 | 3rd. Clutch Shaft | 1 | ..... | |
| 37 | P20687 | Ring, Locating, Front Bearing | 1 | ..... | 3rd. Clutch Shaft |
| 38 | P20689 | Ring, Retaining, Front Bearing | 1 | ..... | 3rd. Clutch Shaft |
| 39 | P20691 | Rings, Piston | 1 | ..... | Outer Race |
| 40 | P20692 | Pin, Roll | 1 | ..... | Outer Race |
| 41 | P20693 | Ring, Piston | 3 | ..... | Forward Shaft |
| 42 | P20694 | Ring, Retainer | 1 | ..... | Piston Ring Sleeve |
| 43 | P20695 | Sleeve, Piston Ring | 1 | ..... | |
| 44 | P20696 | Pin, Sleeve Roll | 1 | ..... | |

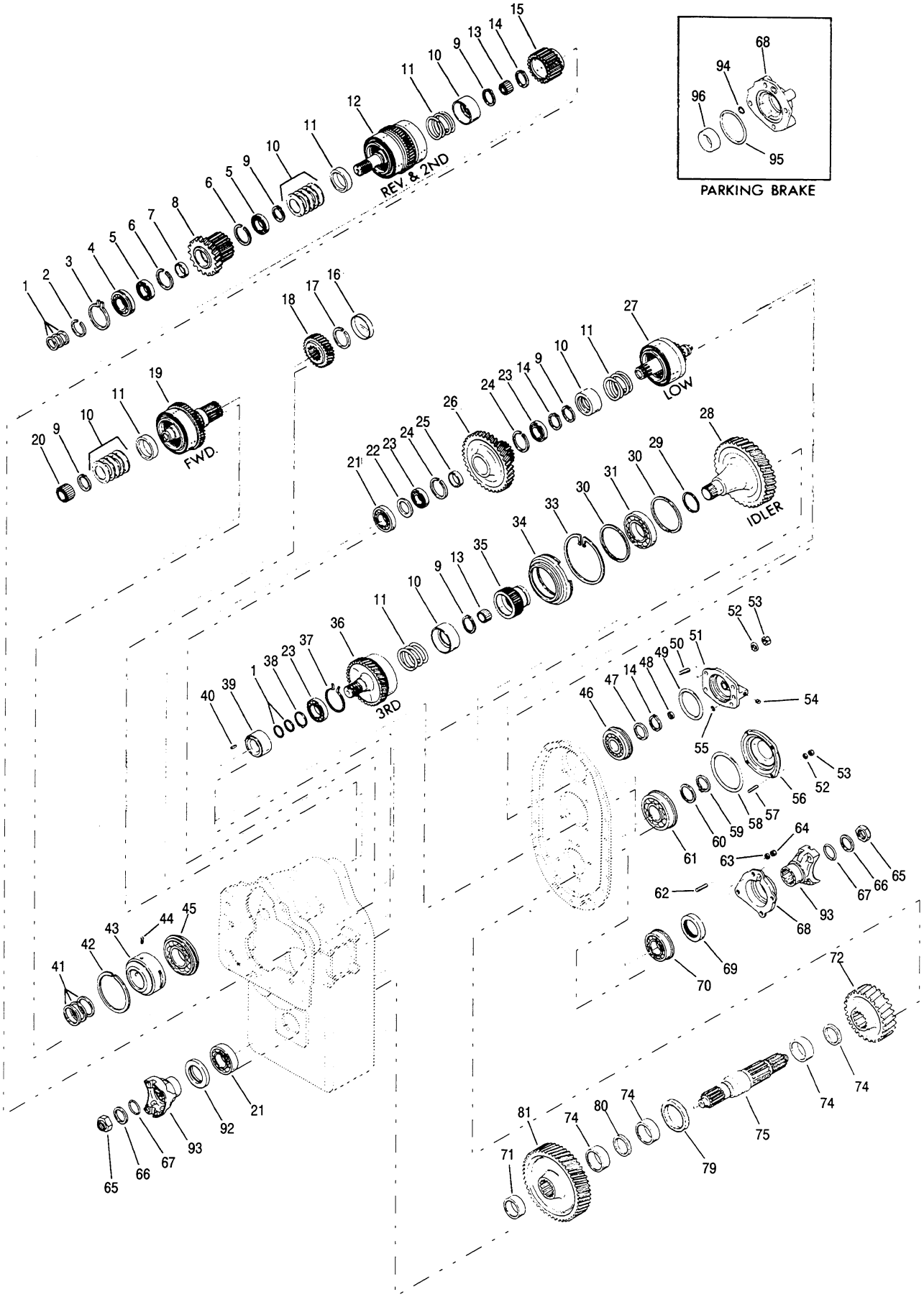



**Figure P19900-3**

# P19900-3 Clutch & Gear Group Assembly (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 45 | P20697 | Bearing, Rear | 1 | ..... | Forward Shaft |
| 46 | P20698 | Bearing, Rear | 1 | ..... | Low Speed Shaft |
| 47 | P20699 | Washer, Support | 1 | ..... | Rear Bearing |
| 48 | P20701 | Ring, Piston | 1 | ..... | Low Shaft |
| 49 | P20702 | O-Ring, Cap | 1 | ..... | Rear Bearing |
| 50 | P20703 | Stud, Cap | 4 | ..... | Bearing |
| 51 | P20704 | Cap, Bearing | 1 | ..... | Low Shaft Rear, Inc. Item 54 |
| 52 | P20589 | Lockwasher, Stud | 8 | ..... | Bearing Cap |
| 53 | P20706 | Nut, Stud | 8 | ..... | Bearing Cap |
| 54 | P20707 | Plug | 1 | ..... | Bearing Cap |
| 55 | P20708 | O-Ring | 1 | ..... | Bearing Cap |
| 56 | P20711 | Cap, Bearing | 1 | ..... | Idler Shaft Rear |
| 57 | P20712 | Stud | 4 | ..... | Rear Bearing Cap |
| 58 | P20713 | O-Ring | 1 | ..... | Rear Bearing Cap |
| 59 | P20714 | Ring, Retainer | 1 | ..... | Idler Shaft Rear Bearing |
| 60 | P20715 | Washer, Support | 1 | ..... | Rear Bearing |
| 61 | P20716 | Bearing | 1 | ..... | Idler Shaft Rear |
| 62 | P20717 | Stud | 4 | ..... | Bearing Cap |
| 63 | P20718 | Lockwasher, Stud | 4 | ..... | Bearing Cap |
| 64 | P20719 | Nut, Stud | 4 | ..... | Bearing Cap |
| 65 | P20720 | Nut, Flange | 2 | ..... | |
| 66 | P20721 | Washer, Flange | 2 | ..... | |
| 67 | P20751 | O-Ring, Flange | 2 | ..... | |
| 68 | P20754 | Cap, Bearing | 1 | ..... | Rear |
| 69 | P20723 | Seal, Oil | 1 | ..... | Rear Bearing Cap |
| 70 | P20724 | Bearing | 1 | ..... | Output Shaft Rear |
| 71 | P20725 | Washer, Thrust | 2 | ..... | Gear |
| 72 | P20726 | Gear, High Range | 1 | ..... | |
| 74 | P20727 | Bearing, Gear | 4 | ..... | |
| 75 | P20729 | Shaft, Output | 1 | ..... | |
| NI | P20730 | Rail, Shift | 1 | ..... | Hi & Low |
| NI | P20731 | Lockscrew | 1 | ..... | High & Low Shift Rail |
| NI | P20732 | Fork, Shift | 1 | ..... | High & Low |
| 79 | P20733 | Hub | 1 | ..... | Range Shift |
| 80 | P20735 | Spacer, Bearing | 1 | ..... | |
| 81 | P20737 | Gear, Low Range | 1 | ..... | |
| NI | P20739 | O-Ring, Rail Housing | 1 | ..... | Range Shift |
| NI | P20740 | Spring, Lock | 1 | ..... | Mesh |
| NI | P20741 | Ball, Lock | 1 | ..... | Mesh |
| NI | P20583 | Plug, Detent | 1 | ..... | Housing |
| NI | P20743 | Seal, Oil | 1 | ..... | Shift Rail |
| NI | P20744 | Nut, Stud | 2 | ..... | Housing |
| NI | P20538 | Lockwasher, Nut | 2 | ..... | Housing Stud |
| NI | P20746 | Support, Shift Rail | 1 | ..... | Hi & Low |
| NI | P20747 | Stud, Housing | 2 | ..... | Range Shift Rail |
| 92 | P20749 | Seal, Oil | 1 | ..... | Output |
| 93 | P20750 | Flange, Output | 2 | ..... | |
| 94 | P20755 | O-Ring, Bearing Cap | 1 | ..... | Output Shaft |
| 95 | P20756 | O-Ring, Bearing Cap | 1 | ..... | Output Shaft |
| 96 | P20757 | Bearing to Flange Spacer | 1 | ..... | |

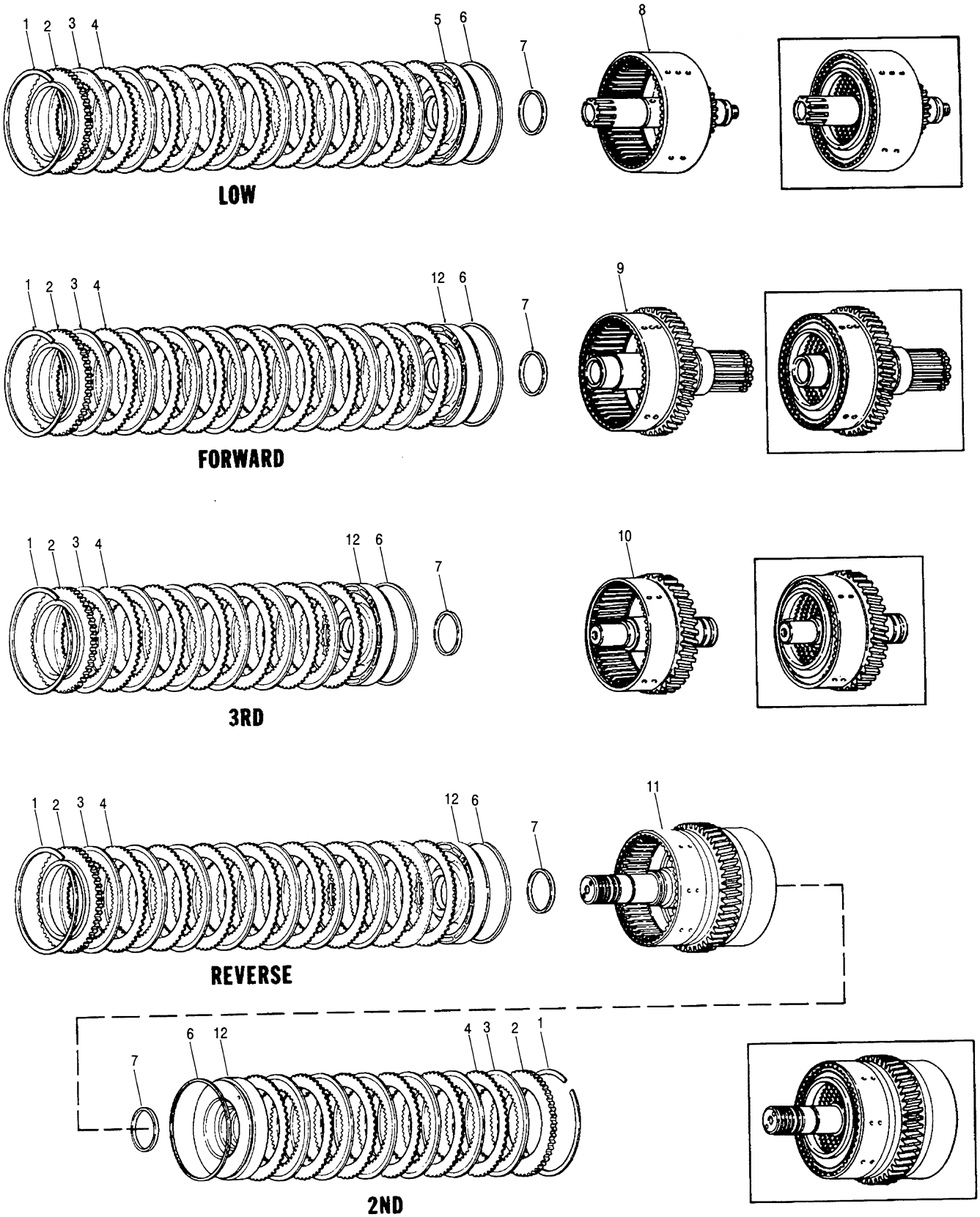



Figure P19900-4

# P19900-4 Clutch Group Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20773 | Ring, Snap | 5 | ..... | Backing Plate |
| 2 | P20774 | Disc, Clutch | 5 | ..... | Backing Plate |
| 3 | P20775 | Disc, Clutch | 36 | ..... | Inner |
| 4 | P20776 | Disc, Clutch | 36 | ..... | Outer |
| 5 | P20777 | Piston, Clutch | 1 | ..... | |
| 6 | P20778 | Ring, Piston | 5 | ..... | Outer Clutch |
| 7 | P20779 | Seal, Piston | 5 | ..... | Inner Clutch |
| 8 | P20514 | Shaft, Low Clutch | 1 | ..... | Drum & Bleed Valve |
| 9 | P20765 | Shaft, Forward Clutch | 1 | ..... | Drum & Plug |
| 10 | P20764 | Shaft, 3rd Clutch | 1 | ..... | Drum & Plug |
| 11 | P20804 | Shaft, Rev. & 2nd. | 1 | ..... | Drum & Plug |
| 12 | P20516 | Piston, Clutch | 4 | ..... | |

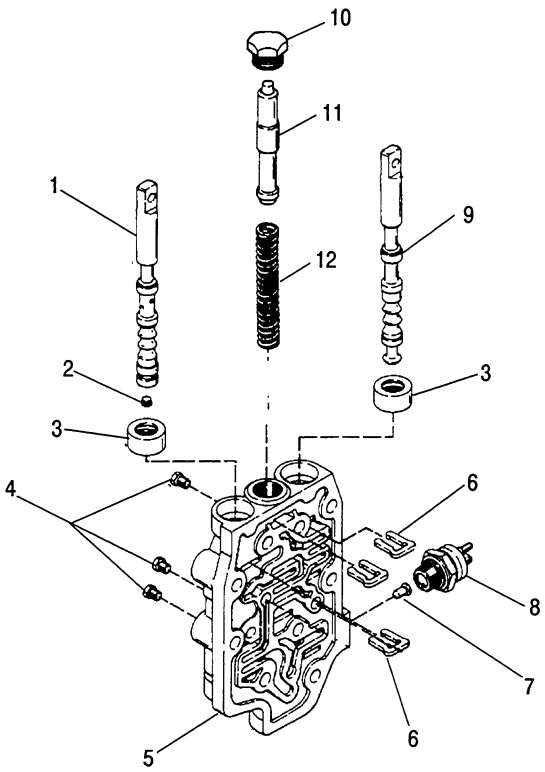



**Figure P19900-5**

# P19900-5 Control Valve Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20805 | Speed Selector Spool & Plug Assy. | 1 | ..... | |
| 2 | P20806 | Plug | 1 | ..... | Inc. in item 1 |
| 3 | P20807 | Seal, Oil | 2 | ..... | |
| 4 | P20808 | Plug, Pipe | 3 | ..... | |
| 5 | P20809 | Control Valve Housing Assy. | 1 | ..... | Inc. items 1 thru 8 |
| 6 | P20810 | Valve Spool Stop | 3 | ..... | |
| 7 | P20811 | Pin, Actuating | 1 | ..... | Neutral Switch |
| 8 | P20812 | Neutral Switch | 1 | ..... | |
| 9 | P20815 | Spool, Valve | 1 | ..... | Forward & Reverse |
| 10 | P20816 | Plug | 1 | ..... | |
| 11 | P20817 | Spool, Valve | 1 | ..... | |
| 12 | P20818 | Spring, Control Valve | 1 | ..... | |

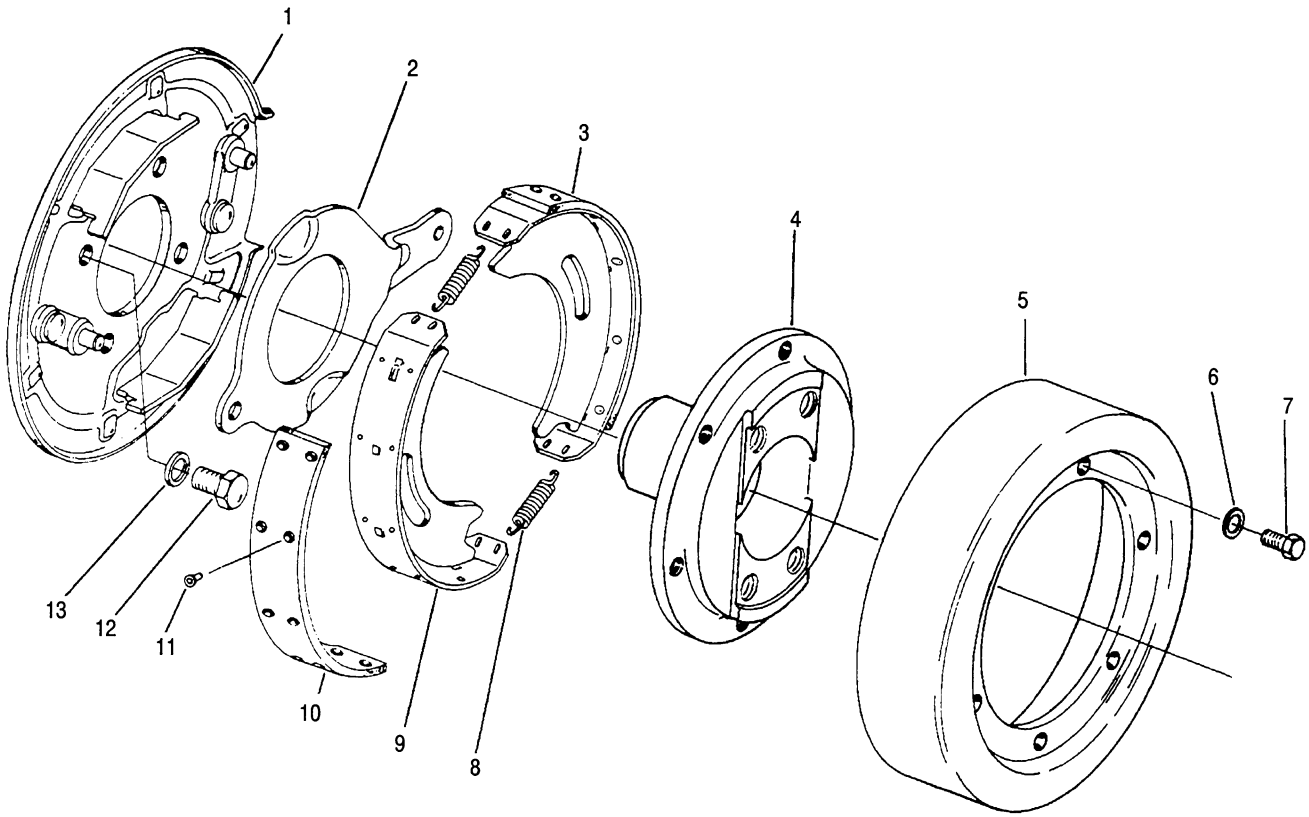



**Figure P19900-6**

# P19900-6 Parking Brake Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20759 | Backing Plate Assembly | 1 | ..... | |
| 2 | P20760 | Lever, Actuating | 1 | ..... | |
| 3 | P20761 | Brake Shoe & Lining | 1 | ..... | |
| 4 | P20762 | Flange, Brake | 1 | ..... | |
| 5 | P20763 | Drum, Brake | 1 | ..... | |
| 6 | P20538 | Lockwasher | 6 | ..... | |
| 7 | P20551 | Bolt | 6 | ..... | |
| 8 | P20766 | Spring, Return | 2 | ..... | |
| 10 | P20768 | Brake Lining & Rivet Kit | 1 | ..... | Inc. Item 11 |
| 11 | P20769 | Rivet | 20 | ..... | Brake Lining |
| 12 | P20770 | Screw | 4 | ..... | Backing Plate |
| 13 | P20771 | Lockwasher, Screw | 4 | ..... | Backing Plate |
| NI | P20772 | Spacer, Backing Plate | 4 | ..... | |

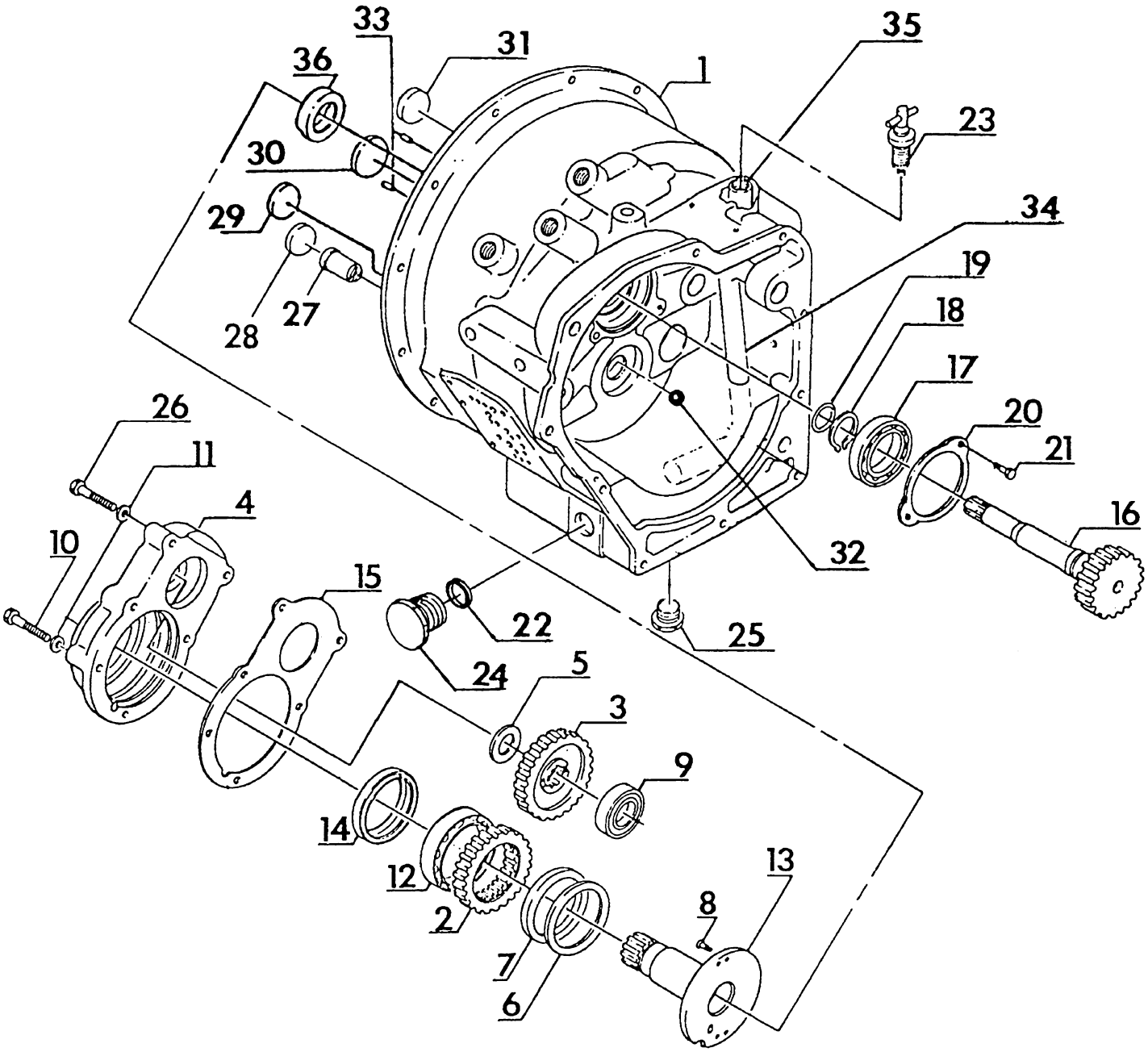



Figure P24464

# P24464 Front Cover Assembly (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P24464 | Complete Front Cover Assembly | | 694, 702, 703, 708, 713, 716- | |
| — | P22708 | Complete Front Cover Assembly | | 537, 542-545, 563-567, 604, 605 | |
| 1 | P24465 | Housing, Front Cover | 1 | 694, 702, 703, 708, 713, 716- | |
| | P22715 | Housing, Front Cover | 1 | 537, 542-545, 563-567, 604, 605 | |
| 2 | P22659 | Gear, Drive | 1 | ..... | |
| 3 | P22658 | Gear, Auxiliary Pump | 1 | ..... | |
| 4 | P22660 | Housing, Impeller Gear | 1 | ..... | |
| 5 | P18584 | Thrust Race | 1 | ..... | |
| 6 | P22757 | Thrust Race | 1 | ..... | |
| 7 | P22755 | Needle Thrust Bearing | 1 | ..... | |
| 8 | P22787 | Capscrew | 2 | ..... | |
| 9 | P22753 | Bearing | 1 | ..... | |
| 10 | P22798 | Capscrew | 4 | ..... | |
| 11 | P12822 | Washer | 6 | ..... | |
| 12 | P22739 | Bearing | 1 | ..... | |
| 13 | P22722 | Stator Support | 1 | ..... | |
| | P24463 | Stator Support | 1 | 537, 542-545, 563-567, 604, 605 | |
| 14 | P22656 | Seal, Oil | 1 | ..... | |
| 15 | P22595 | Gasket | 1 | ..... | |
| 16 | P24462 | Input Shaft, 17 Teeth | 1 | 694, 702, 703, 708, 713, 716- | |
| | P22716 | Input Shaft, 23 Teeth | 1 | 537, 542-545, 563-567, 604, 605 | |
| 17 | P22751 | Bearing | 1 | ..... | |
| 18 | P22771 | Ring, Snap | 1 | ..... | |
| 19 | P22650 | Seal, Ring | 1 | ..... | |
| 20 | P22657 | Retainer | 1 | ..... | |
| 21 | P22788 | Capscrew | 2 | ..... | |
| 22 | P20863 | Gasket | 1 | ..... | |
| | P18661 | 0-Ring | 1 | 537, 542-545, 563-567, 604, 605 | |
| 23 | P22692 | Cap, Filler | 1 | ..... | |
| 24 | P22723 | Plug, Sump Screen | 1 | 694, 702, 703, 708, 713, 716- | |
| | P18660 | Plug, Sump Screen | 1 | 537, 542-545, 563-567, 604, 605 | |
| 25 | P22781 | Plug, Pipe | 1 | ..... | |
| 26 | P12821 | Capscrew | 2 | ..... | |
| 27 | P22724 | Valve, Control Relief | 1 | ..... | |
| 28 | P22754 | Plug, Expansion | 1 | ..... | |
| 29 | P24471 | Plug, Expansion | 1 | 537, 542-545, 563-567, 604, 605 | |

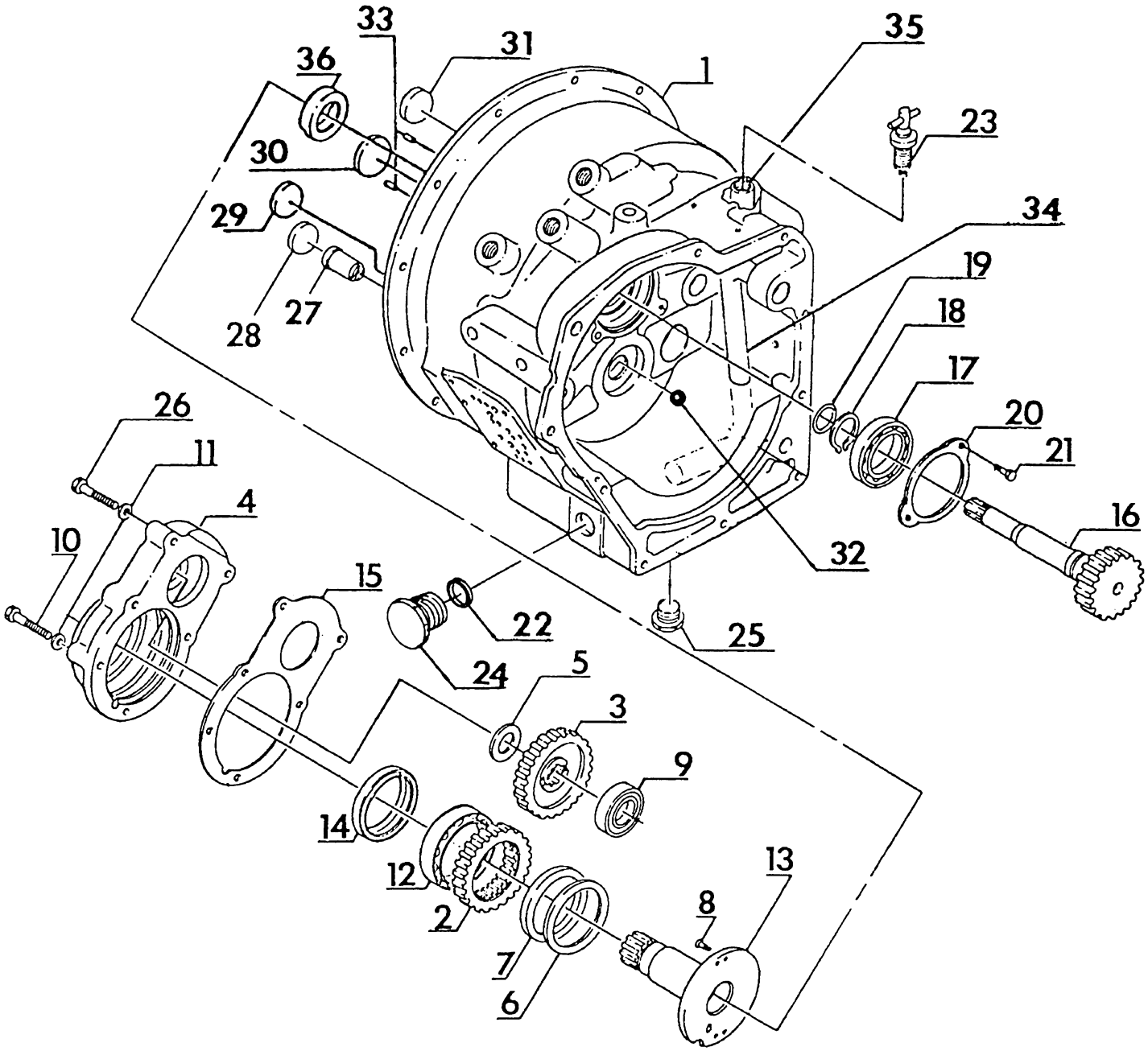



Figure P24464

## P24464 Front Cover Assembly (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 30 | P24472 | Plug, Expansion | 1 | " – " | |
| 31 | P24473 | Plug, Expansion | 1 | " – " | |
| 32 | P24474 | Ball | 1 | " – " | |
| 33 | P24475 | Pin, Dowel | 2 | " – " | |
| 34 | P24476 | Tube, Suction | 1 | " – " | |
| 35 | P24477 | Tube, Dipstick | 1 | " – " | |
| 36 | P24478 | Insert, Ext. Pump | 1 | " – " | |

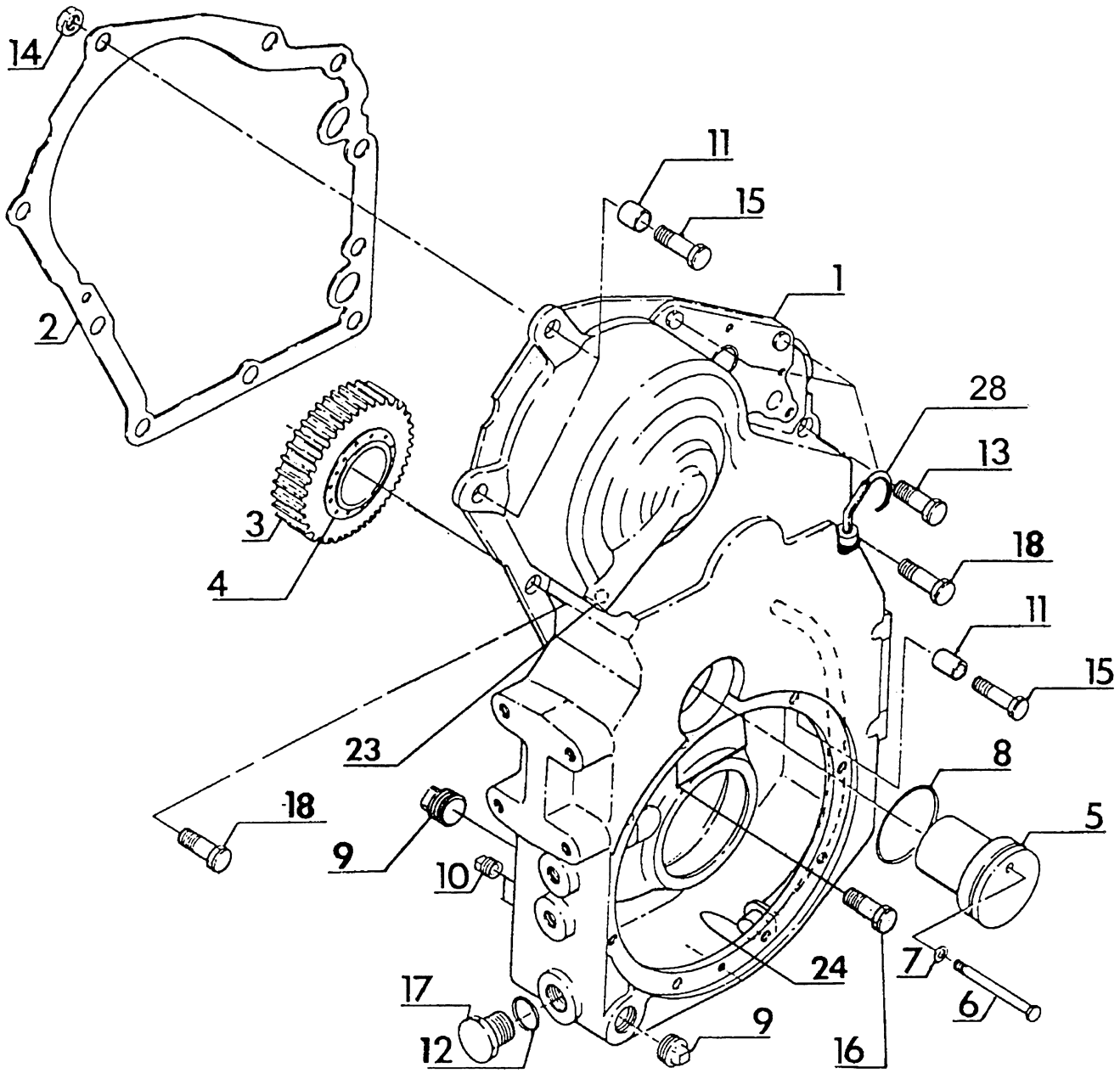



Figure P22699

# P22699 Rear Cover Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P22699 | Complete Rear Cover Assy. | 1 | 694, 702, 703, 708, 713, 716- | |
| — | P24466 | Complete Rear Cover Assy. | 1 | 537, 542-545, 563-567, 604, 605 | |
| 1 | P22700 | Housing, Rear Cover | 1 | 694, 702, 703, 708, 713, 716- | |
| | P24467 | Housing, Rear Cover | 1 | 537, 542-545, 563-567, 604, 605 | |
| 2 | P22665 | Gasket, Main | 1 | ..... | |
| 3 | P22683 | Gear, Idler | 1 | ..... | |
| 4 | P22745 | Bearing | 1 | ..... | |
| 5 | P22682 | Shaft, Idler | 1 | ..... | |
| 6 | P22791 | Capscrew | 1 | ..... | |
| 7 | P22738 | Washer | 1 | ..... | |
| 8 | P22763 | O-Ring | 1 | ..... | |
| 9 | P18565 | Plug, Pipe | 2 | ..... | |
| 10 | P18567 | Plug, Pipe | 2 | ..... | |
| 11 | P22655 | Bushing, Locating | 2 | ..... | |
| 12 | P18661 | O-Ring | 1 | ..... | |
| 13 | P22792 | Capscrew | 3 | ..... | |
| 14 | P20813 | Nut, Hex | 3 | ..... | |
| 15 | P18571 | Capscrew | 3 | ..... | |
| 16 | P22793 | Capscrew | 2 | ..... | |
| 17 | P22676 | Plug, Drain | 1 | ..... | |
| 18 | P12031 | Capscrew | 2 | ..... | |
| 22 | P18677 | Ball | 1 | ..... | |
| 23 | P25432 | Ball | 1 | ..... | |
| 24 | P25436 | Tube, Suction | 1 | ..... | |
| 25 | P25437 | Bracket, Support | 1 | ..... | |
| 26 | P25438 | Clamp, Dipstick | 1 | ..... | |
| 27 | P25439 | Tube, Dipstick | 1 | ..... | |
| 28 | P25440 | Dipstick | 1 | ..... | |
| 29 | P22788 | Capscrew | 1 | ..... | |

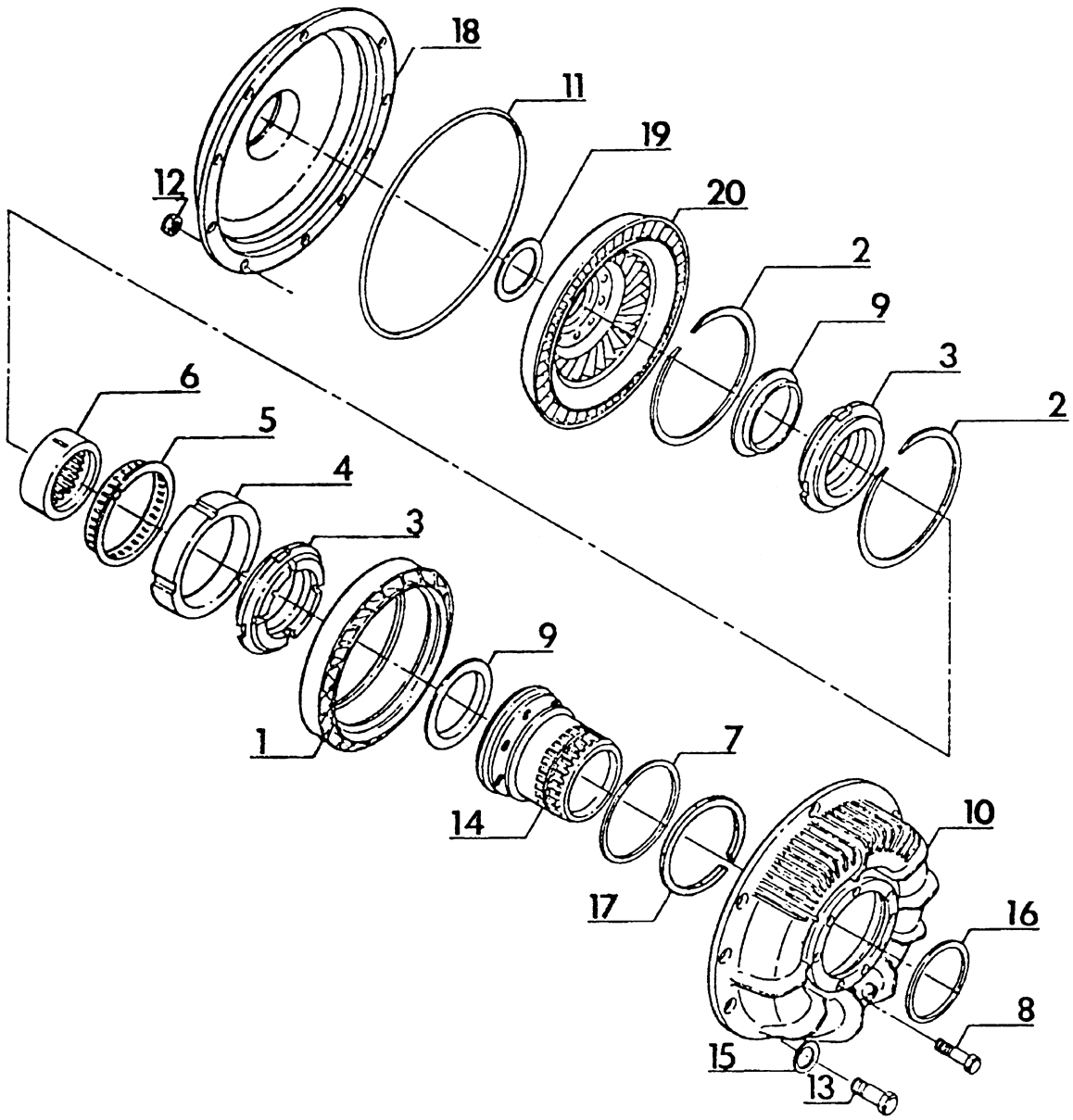



**Figure P21781**

# P21781 Converter Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P21781 | Complete Converter Assembly | 1 | 537, 542-545, 563-567, 604, 605 | |
| 1 | P19450 | Stator | 1 | " – " | |
| 2 | P19451 | Ring, Snap | 2 | " – " | |
| 3 | P19449 | Thrust Washer, Stator | 2 | " – " | |
| 4 | P19446 | Race | 1 | " – " | Outer |
| 5 | P19447 | Clutch, One Way | 1 | " – " | |
| 6 | P19448 | Race | 1 | " – " | Inner |
| 7 | P24504 | O-Ring | 1 | " – " | |
| 8 | P24589 | Capscrew | 8 | " – " | |
| 9 | P19458 | Thrust Washer, Impeller | 2 | " – " | |
| 10 | P24498 | Impeller | 1 | " – " | |
| 11 | P17926 | O-Ring, Gasket | 1 | " – " | |
| 12 | P24598 | Locknut | 10 | " – " | |
| 13 | P19461 | Capscrew | 10 | " – " | |
| 14 | P24502 | Hub, Impeller | 1 | " – " | |
| 15 | P19464 | Washer, Half Round | 10 | " – " | |
| 16 | P19466 | Seal, Ring | 1 | " – " | |
| 17 | P22775 | Ring, Retaining | 1 | " – " | |
| 18 | P24503 | Cover | 1 | " – " | Front |
| 19 | P19465 | Thrust Washer | 1 | " – " | |
| 20 | P24499 | Turbine | 1 | " – " | |

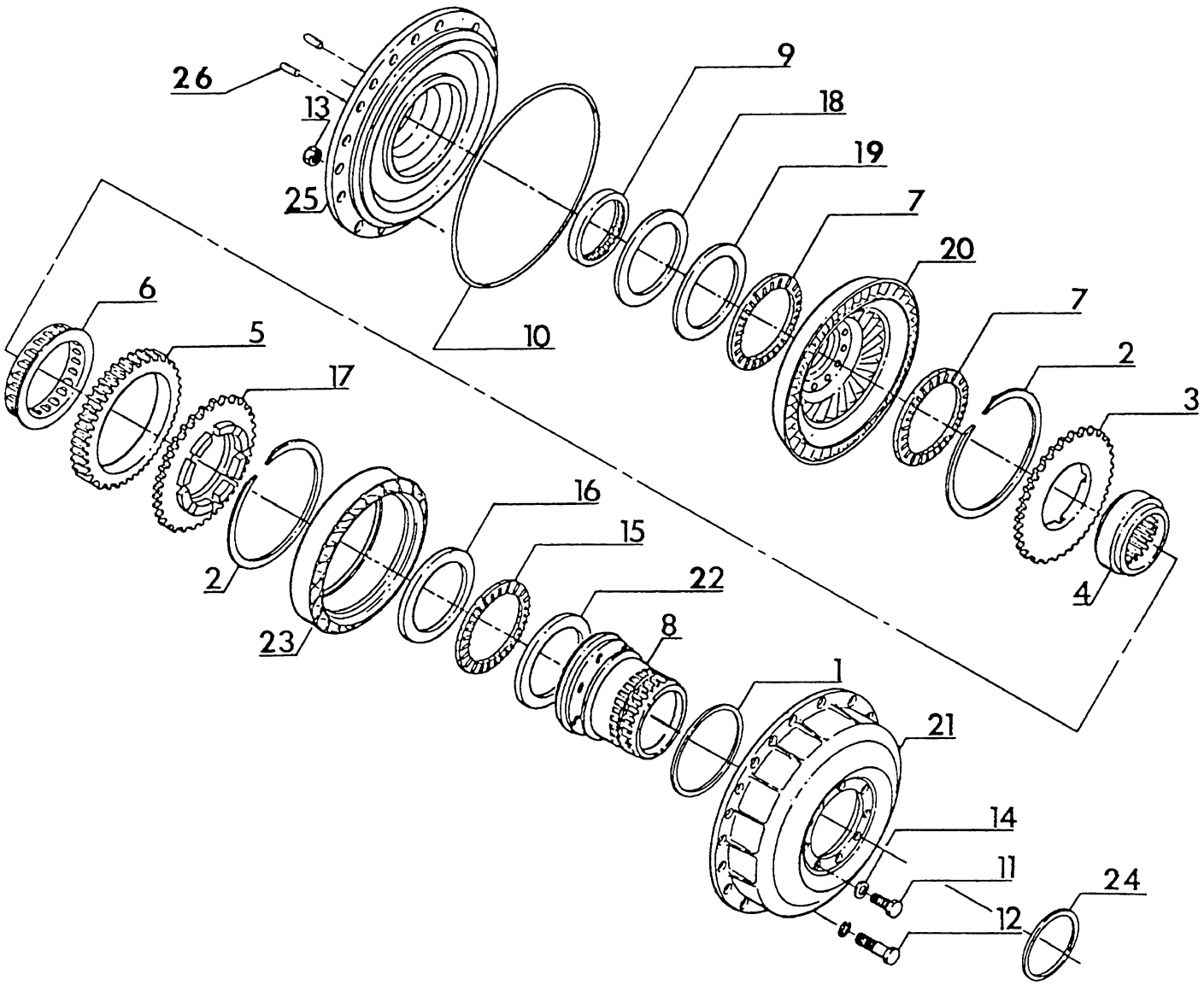



**Figure P22725**

# P22725 Converter Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | N.L.A. | Complete Converter Assembly | – | 694, 702, 703, 708, 713, 716-822 | Replace with P22725 |
| 1 | P22762 | O-Ring | 1 | " – " | |
| 2 | P22774 | Ring, Snap | 2 | " – " | |
| 3 | P22729 | Retainer | 1 | " – " | |
| 4 | P22735 | Race | 1 | " – " | Inner |
| 5 | P22728 | Race | 1 | " – " | Outer |
| 6 | P18549 | Clutch, Sprag | 1 | " – " | |
| 7 | P22756 | Bearing, Needle Thrust | 2 | " – " | |
| 8 | P22734 | Hub, Impeller | 1 | " – " | |
| 9 | P22750 | Bearing | 1 | " – " | |
| 10 | P22730 | Seal | 1 | " – " | |
| 11 | P22789 | Capscrew | 8 | " – " | |
| 12 | P22790 | Capscrew | 12 | " – " | |
| 13 | P18560 | Nut, Hx | 12 | " – " | |
| 14 | P22648 | Flatwasher | 20 | " – " | |
| 15 | P18544 | Bearing, Needle Thrust | 1 | " – " | |
| 16 | P22758 | Race, Thrust | 1 | " – " | |
| 17 | P22733 | Retainer | 1 | " – " | |
| 18 | P22759 | Race, Thrust | 1 | " – " | |
| 19 | P22760 | Race, Thrust | 1 | " – " | |
| 20 | P22732 | Turbine | 1 | " – " | |
| 21 | P22726 | Impeller | 1 | " – " | |
| 22 | P22775 | Ring, Retaining | 1 | " – " | |
| 23 | P22727 | Stator | 1 | " – " | |
| 24 | P19466 | Seal, Ring | 1 | " – " | |
| 25 | P22731 | Cover, Converter | 1 | " – " | |
| 26 | P24470 | Pin, Roll | 2 | " – " | |

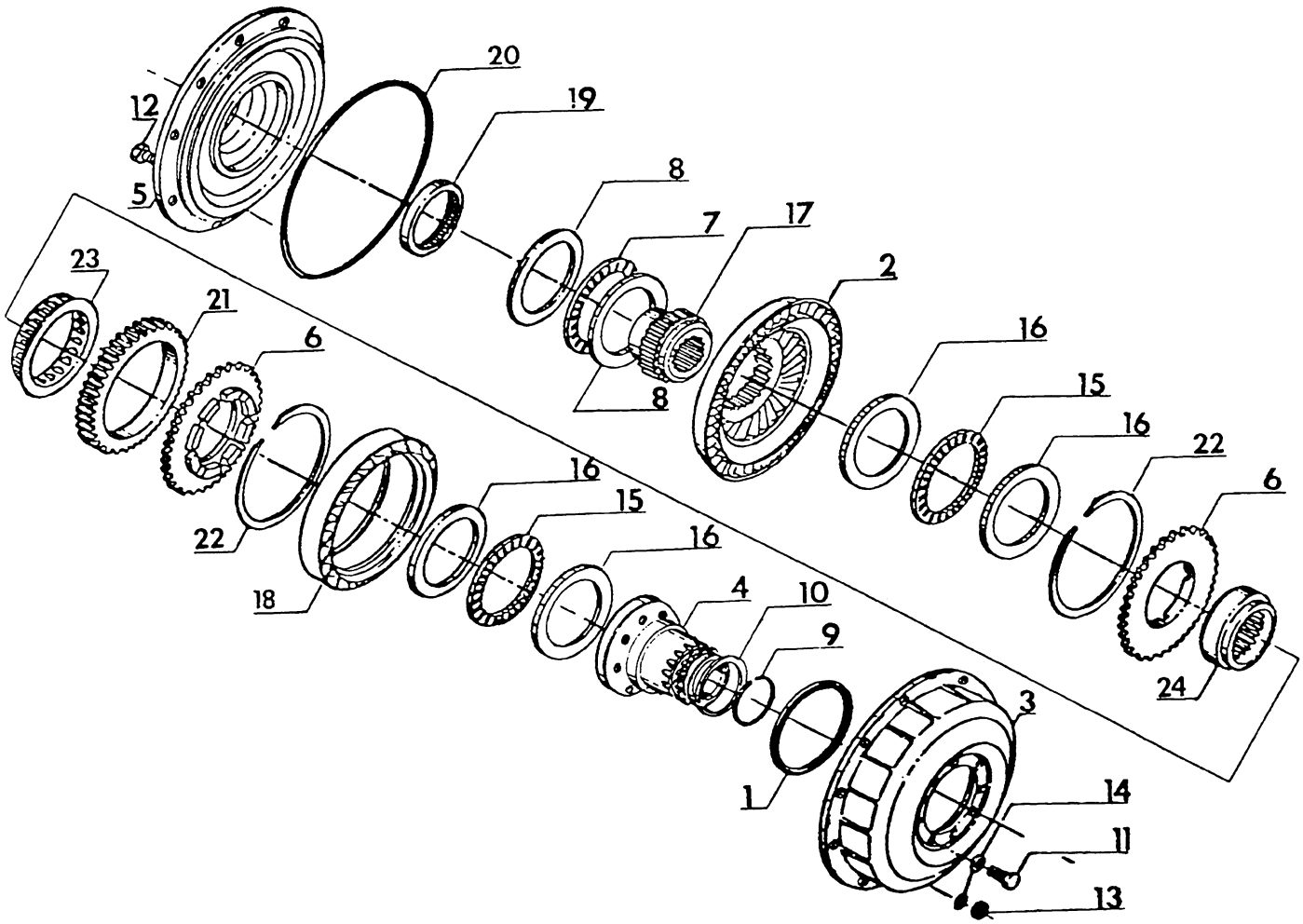



Figure P22725-1

# P22725-1 Converter Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P22725 | Complete Converter Assembly | 1 | 823 – | |
| 1 | P22762 | O-Ring | 1 | " – " | |
| 2 | P25414 | Turbine | 1 | " – " | |
| 3 | P25411 | Impeller | 1 | " – " | |
| 4 | P25412 | Hub, Impeller | 1 | " – " | |
| 5 | P22731 | Cover | 1 | " – " | |
| 6 | P25416 | Retainer, Clutch | 2 | " – " | |
| 7 | P22756 | Thrust Bearing | 1 | " – " | |
| 8 | P22760 | Race, Thrust | 2 | " – " | |
| 9 | P18561 | Seal, Ring | 1 | " – " | |
| 10 | P22775 | Ring, Retaining | 1 | " – " | |
| 11 | P22789 | Capscrew | 8 | " – " | |
| 12 | P18518 | Capscrew | 12 | " – " | |
| 13 | P25430 | Nut, Hx. Flex-Lock | 12 | " – " | |
| 14 | P22648 | Flatwasher | 20 | " – " | |
| 15 | P25431 | Thrust Bearing | 2 | " – " | |
| 16 | P25417 | Thrust Washer | 4 | " – " | |
| 17 | P25415 | Hub, Turbine | 1 | " – " | |
| 18 | P25418 | Stator | 1 | " – " | |
| 19 | P22750 | Bearing | 1 | " – " | |
| 20 | P22730 | Seal | 1 | " – " | |
| 21 | P25413 | Race | 1 | " – " | Outer |
| 22 | P25408 | Ring, Retaining | 2 | " – " | |
| 23 | P18549 | Sprag, Clutch | 1 | " – " | |
| 24 | P22735 | Race | 1 | " – " | Inner |

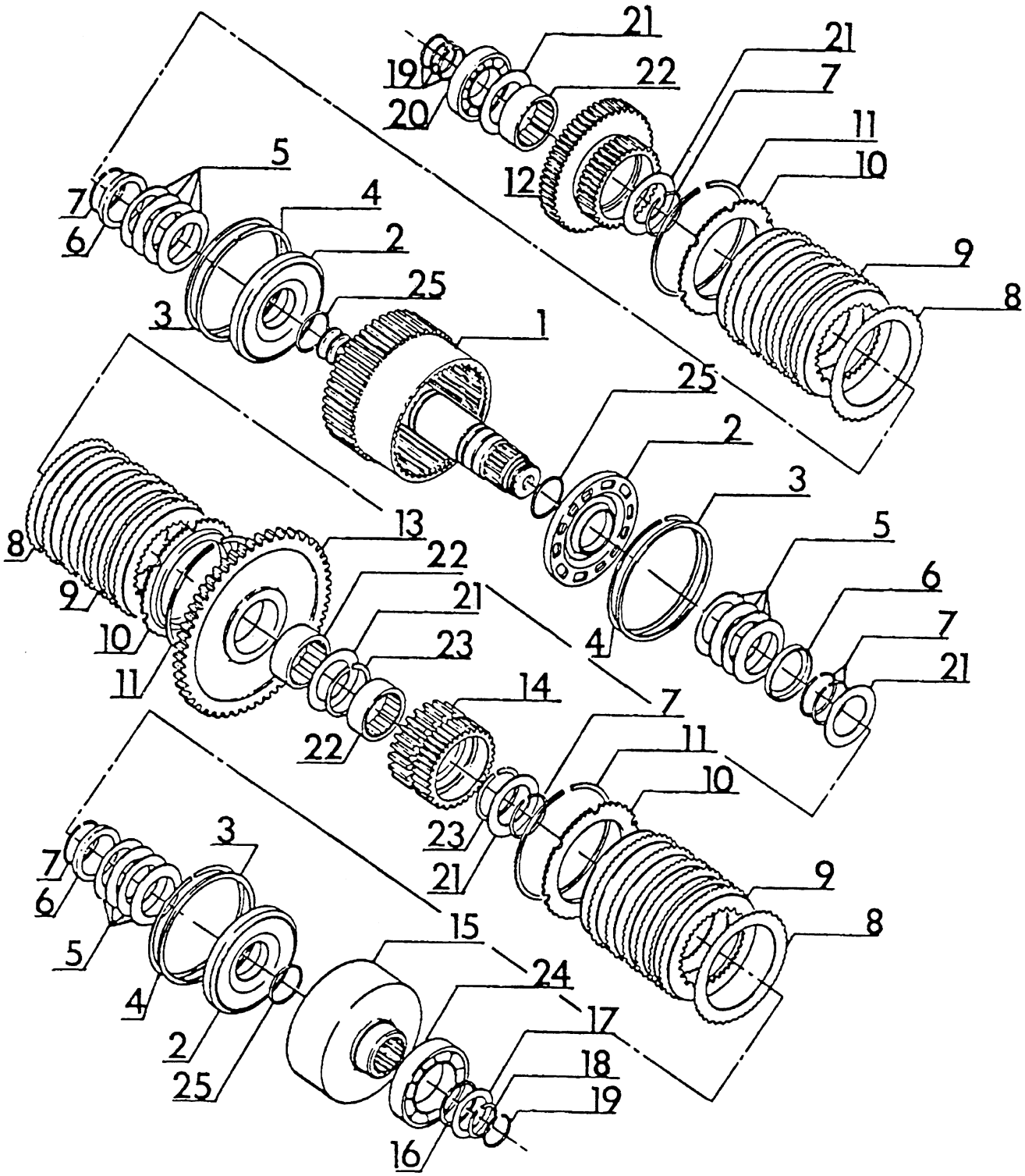



Figure P22701

# P22701 1st Stage Clutch Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P22701 | Complete Clutch Assy, 1st Stage | 1 | 694, 702, 703, 708, 713, 716- | |
| — | P24483 | Complete Clutch Assy, 1st Stage | 1 | 537, 542-545, 563-567, 604, 605 | |
| 1 | P22703 | Shaft, Clutch | 1 | 694, 702, 703, 708, 713, 716- | |
| | P24485 | Shaft, Clutch | 1 | 537, 542-545, 563-567, 604, 605 | |
| 2 | P22720 | Piston | 3 | ..... | |
| 3 | P22707 | Seal, Lip Ring | 3 | 694, 702, 703, 708, 713, 716- | |
| | P24486 | Seal, Lip Ring | 3 | 537, 542-545, 563-567, 604, 605 | |
| 4 | P22718 | Ring, Backup | 3 | 694, 702, 703, 708, 713, 716- | |
| | P24487 | Ring, Backup | 3 | 537, 542-545, 563-567, 604, 605 | |
| 5 | P20599 | Spring | 12 | ..... | |
| 6 | P22714 | Retainer, Snap Ring | 3 | 694, 702, 703, 708, 713, 716- | |
| | P20625 | Retainer, Spring | 3 | 537, 542-545, 563-567, 604, 605 | |
| 7 | P22777 | Ring, Retaining | 6 | 694, 702, 703, 708, 713, 716- | |
| | P20605 | Ring, Retaining | 6 | 537, 542-545, 563-567, 604, 605 | |
| 8 | P22664 | Plate, Clutch | 21 | ..... | |
| 9 | P22736 | Plate, Clutch | 21 | ..... | |
| 10 | P22704 | Retainer, Clutch | 3 | ..... | |
| 11 | P22737 | Ring, Snap | 3 | ..... | |
| 12 | P22663 | Gear & Hub | 1 | ..... | |
| 13 | P22662 | Gear & Hub | 1 | ..... | |
| 14 | P22690 | Gear & Hub | 1 | ..... | |
| 15 | P22719 | Cylinder, Clutch | 1 | ..... | |
| 16 | P22767 | 0-Ring | 1 | ..... | |
| 17 | P20686 | Thrust Race | 1 | ..... | |
| 18 | P22772 | Ring, Snap | 1 | ..... | |
| 19 | P22650 | Seal, Ring | 4 | ..... | |
| 20 | P18590 | Bearing | 1 | ..... | |
| 21 | P22661 | Thrust Washer | 5 | ..... | |
| 22 | P22748 | Bearing | 3 | ..... | |
| 23 | P22773 | Ring, Snap | 2 | ..... | |
| 24 | P22746 | Bearing | 1 | ..... | |
| 25 | P20612 | 0-RIng | 3 | ..... | |

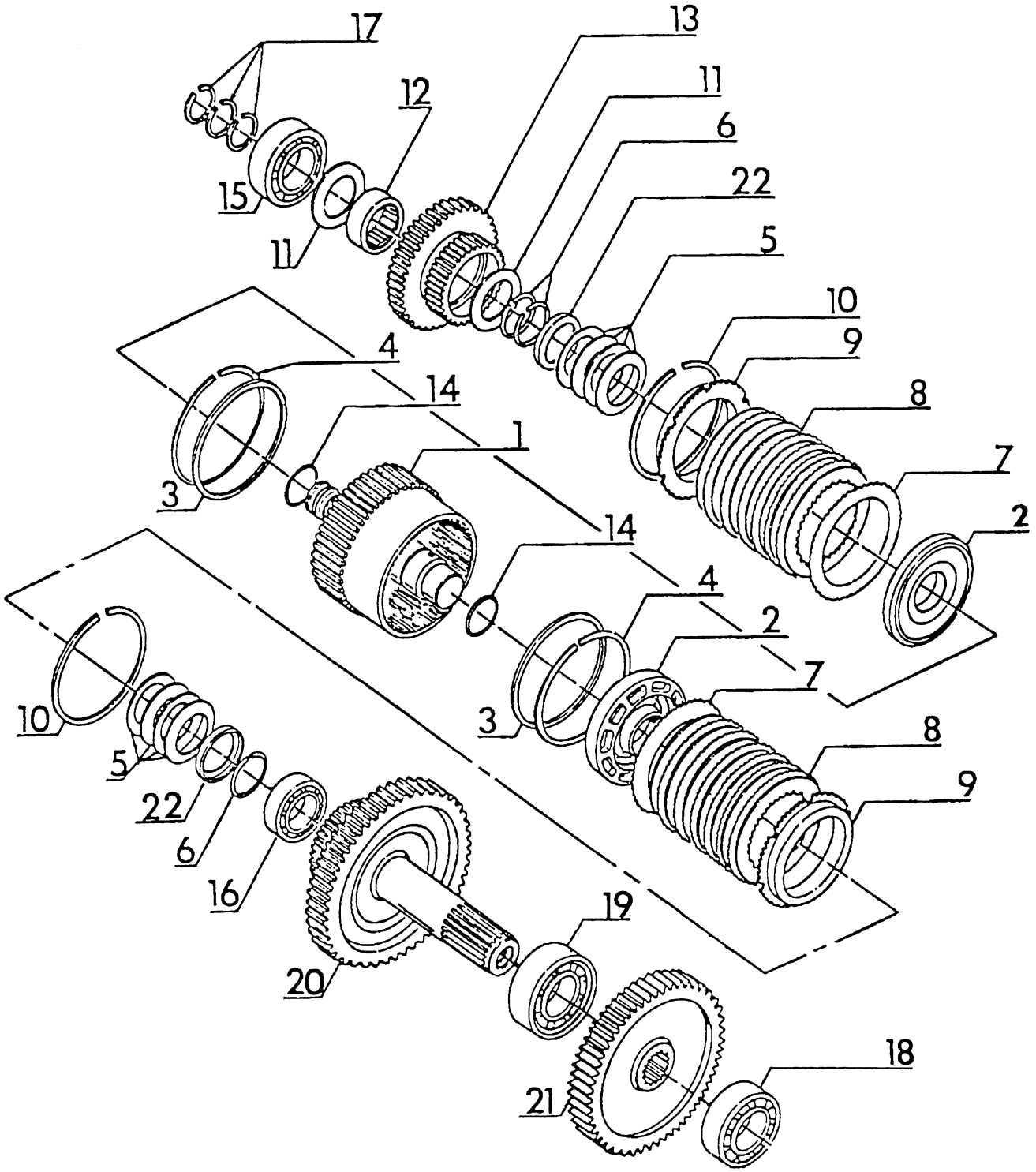



**Figure P22702**

# P22702 2nd Stage Clutch Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P22702 | Complete Clutch Assy, 2nd Stage | 1 | 694, 702, 703, 708, 713, 716- | |
| — | P24484 | Complete Clutch Assy, 2nd Stage | 1 | 537, 542-545, 563-567, 604, 605 | |
| 1 | P22705 | Shaft, Output | 1 | 694, 702, 703, 708, 713, 716- | |
| | P24482 | Shaft, Output | 1 | 537, 542-545, 563-567, 604, 605 | |
| 2 | P22720 | Piston | 2 | 694, 702, 703, 708, 713, 716- | |
| | P24488 | Piston | 2 | 537, 542-545, 563-567, 604, 605 | |
| 3 | P22707 | Seal, Lip Ring | 2 | 694, 702, 703, 708, 713, 716- | |
| | P24486 | Seal, Lip Ring | 2 | 537, 542-545, 563-567, 604, 605 | |
| 4 | P22718 | Ring, Backup | 2 | 694, 702, 703, 708, 713, 716- | |
| | P24487 | Ring, Backup | 2 | 537, 542-545, 563-567, 604, 605 | |
| 5 | P20599 | Spring | 8 | ..... | |
| 6 | P22777 | Ring, Retaining | 3 | 694, 702, 703, 708, 713, 716- | |
| | P20605 | Ring, Retaining | 3 | 537, 542-545, 563-567, 604, 605 | |
| 7 | P22664 | Plate, Clutch | 14 | ..... | |
| 8 | P22736 | Plate, Clutch | 14 | ..... | |
| 9 | P22704 | Retainer, Clutch | 2 | ..... | |
| 10 | P22737 | Ring, Snap | 2 | ..... | |
| 11 | P22661 | Thrust Washer | 2 | ..... | |
| 12 | P22748 | Bearing | 1 | ..... | |
| 13 | P22663 | Gear & Hub | 1 | ..... | |
| 14 | P20612 | 0-Ring | 2 | ..... | |
| 15 | P18590 | Bearing | 1 | ..... | |
| 16 | P18615 | Bearing | 1 | ..... | |
| 17 | P22650 | Seal, Ring | 3 | ..... | |
| 18 | P18623 | Bearing | 1 | ..... | |
| 19 | P22752 | Bearing | 1 | ..... | |
| 20 | P22681 | Shaft & Gear | 1 | ..... | |
| 21 | P22684 | Gear | 1 | ..... | |
| 22 | P22714 | Ring, Snap | 2 | 694, 702, 703, 708, 713, 716- | |
| | P20625 | Ring, Snap | 2 | 537, 542-545, 563-567, 604, 605 | |

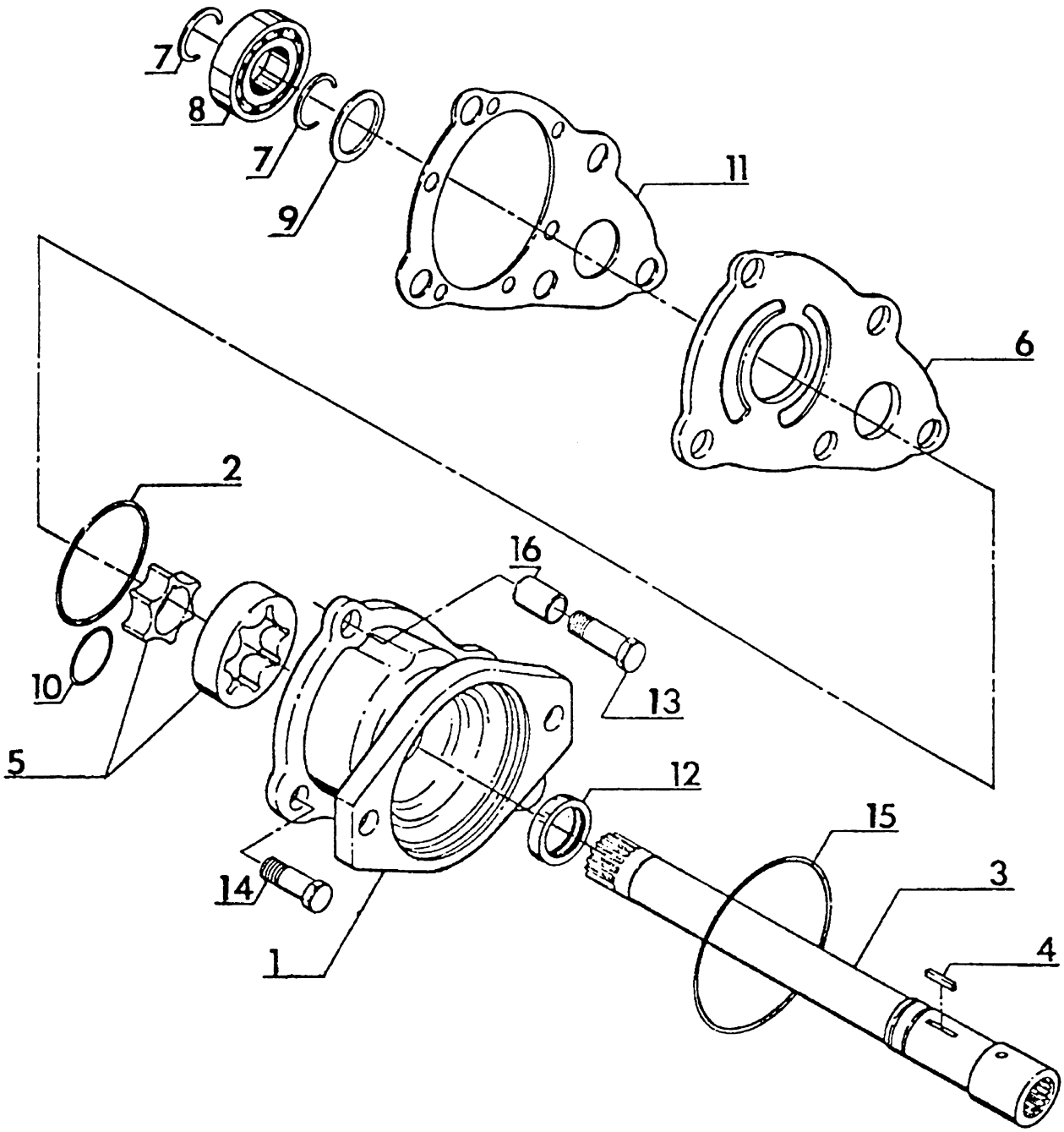



**Figure P24500**

# P24500 Pump Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P24500 | Complete Pump Assembly | 1 | 537, 542-545, 563-567, 604, 605 | |
| 1 | P24512 | Pump, Housing | 1 | " — " | |
| 2 | P22765 | O-Ring | 1 | " — " | |
| 3 | P24511 | Shaft, P.T.O. | 1 | " — " | |
| 4 | P22677 | Key, P.T.O. Shaft | 1 | " — " | |
| 5 | P24517 | Geroter | 1 | " — " | |
| 6 | P24513 | Plate, Wear | 1 | " — " | |
| 7 | P24585 | Ring, Retaining | 2 | " — " | |
| 8 | P22740 | Bearing | 1 | " — " | |
| 9 | P24514 | Spacer | 1 | " — " | |
| 10 | P22766 | O-Ring | 1 | " — " | |
| 11 | P24515 | Gasket | 1 | " — " | |
| 12 | P22780 | Seal | 1 | " — " | |
| 13 | P24591 | Capscrew | 2 | " — " | |
| 14 | P24590 | Capscrew | 3 | " — " | |
| 15 | P22769 | O-Ring | 1 | " — " | |
| 16 | P24516 | Bushing, Locating | 2 | " — " | |

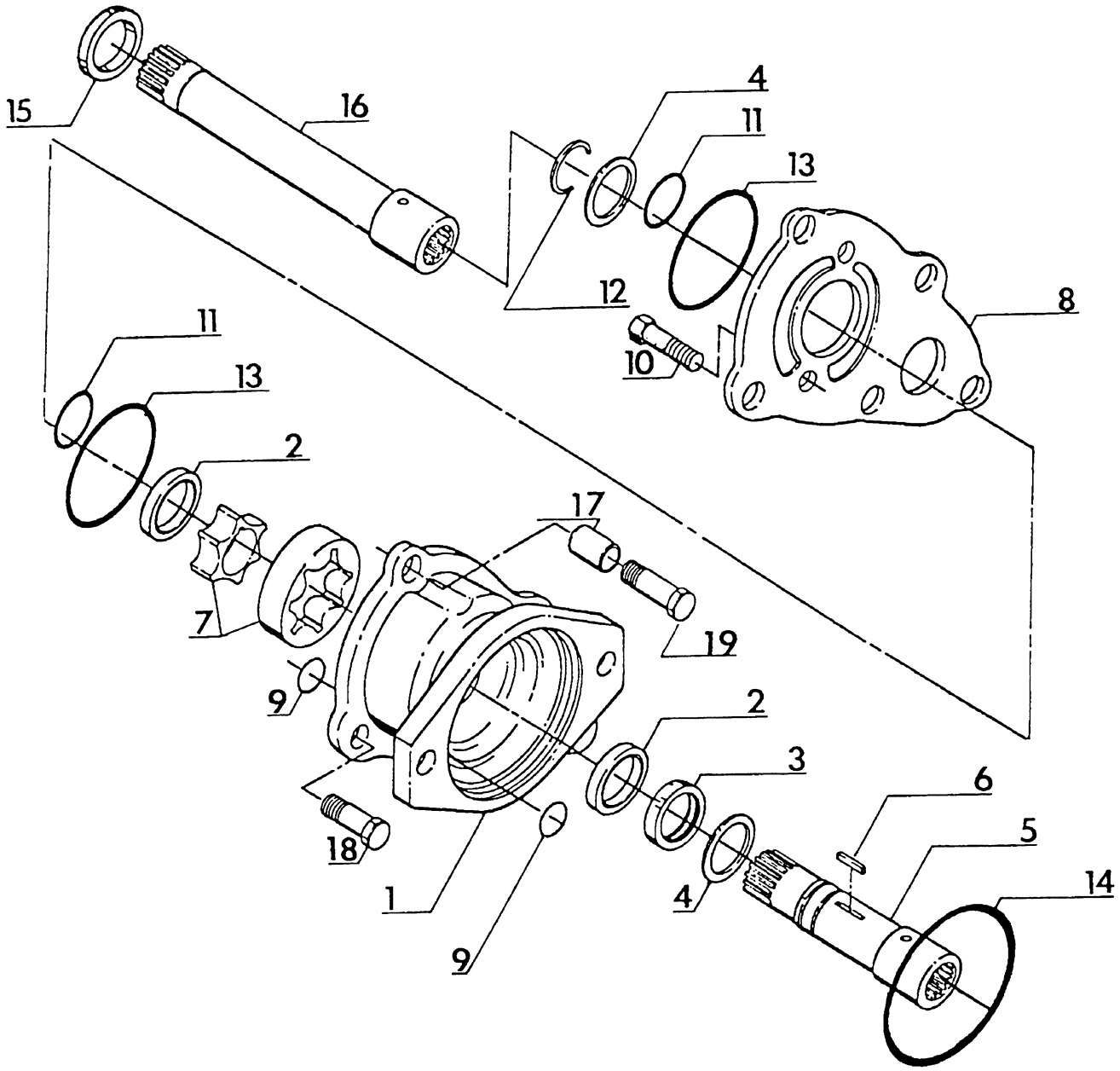



Figure P22711

# P22711 Pump Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P22711 | Complete Pump Assembly | 1 | 694, 702, 703, 708, 713, 716-822 | |
| 1 | P22710 | Housing, Pump | 1 | " – " | |
| 2 | P22749 | Bearing | 2 | " – " | |
| 3 | P22780 | Seal | 1 | " – " | |
| 4 | P22761 | Thrust Race | 2 | " – " | |
| 5 | P22713 | Shaft, P.T.O. | 1 | " – " | |
| 6 | P22677 | Shaft, Key | 1 | " – " | |
| 7 | P18587 | Geroter | 1 | " – " | |
| 8 | P22709 | Plate, Wear | 1 | " – " | |
| 9 | P22764 | O-Ring | 2 | " – " | |
| 10 | P22795 | Capscrew | 2 | " – " | |
| 11 | P22766 | O-Ring | 2 | " – " | |
| 12 | P22786 | Ring, Retaining | 1 | " – " | |
| 13 | P22765 | O-Ring | 2 | " – " | |
| 14 | P22769 | O-Ring | 1 | " – " | |
| 15 | P22750 | Bearing | 1 | " – " | |
| 16 | P22712 | Shaft, Drive | 1 | " – " | |
| 17 | P22679 | Bushing, Locating | 2 | " – " | |
| 18 | P18595 | Capscrew | 1 | " – " | |
| 19 | P22794 | Capscrew | 4 | " – " | |

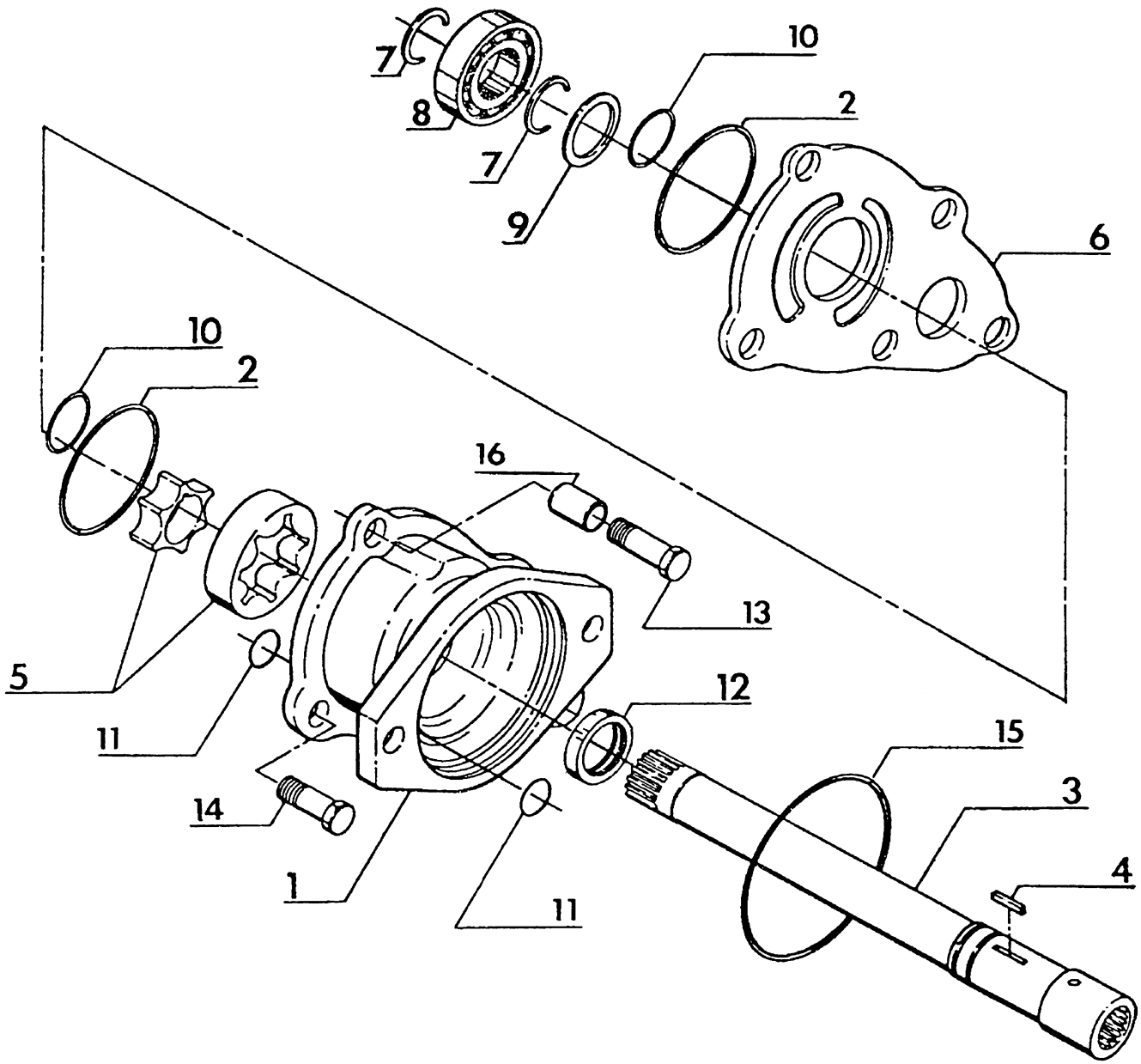



Figure P25419

# P25419 Pump Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P25419 | Complete Pump Assembly | 1 | 823 – | |
| 1 | P25421 | Pump, Housing | 1 | " – " | |
| 2 | P22765 | O-Ring | 2 | " – " | |
| 3 | P25420 | Shaft, P.T.O. | 1 | " – " | |
| 4 | P22677 | Key, P.T.O. Shaft | 1 | " – " | |
| 5 | P24517 | Geroter | 1 | " – " | |
| 6 | P25422 | Plate, Wear | 1 | " – " | |
| 7 | P24585 | Ring, Retaining | 2 | " – " | |
| 8 | P22740 | Bearing | 1 | " – " | |
| 9 | P24514 | Spacer | 1 | " – " | |
| 10 | P22766 | O-Ring | 2 | " – " | |
| 11 | P22764 | O-Ring | 2 | " – " | |
| 12 | P22780 | Seal | 1 | " – " | |
| 13 | P24591 | Capscrew | 2 | " – " | |
| 14 | P24590 | Capscrew | 3 | " – " | |
| 15 | P22769 | O-Ring | 1 | " – " | |
| 16 | P24516 | Bushing, Locating | 2 | " – " | |

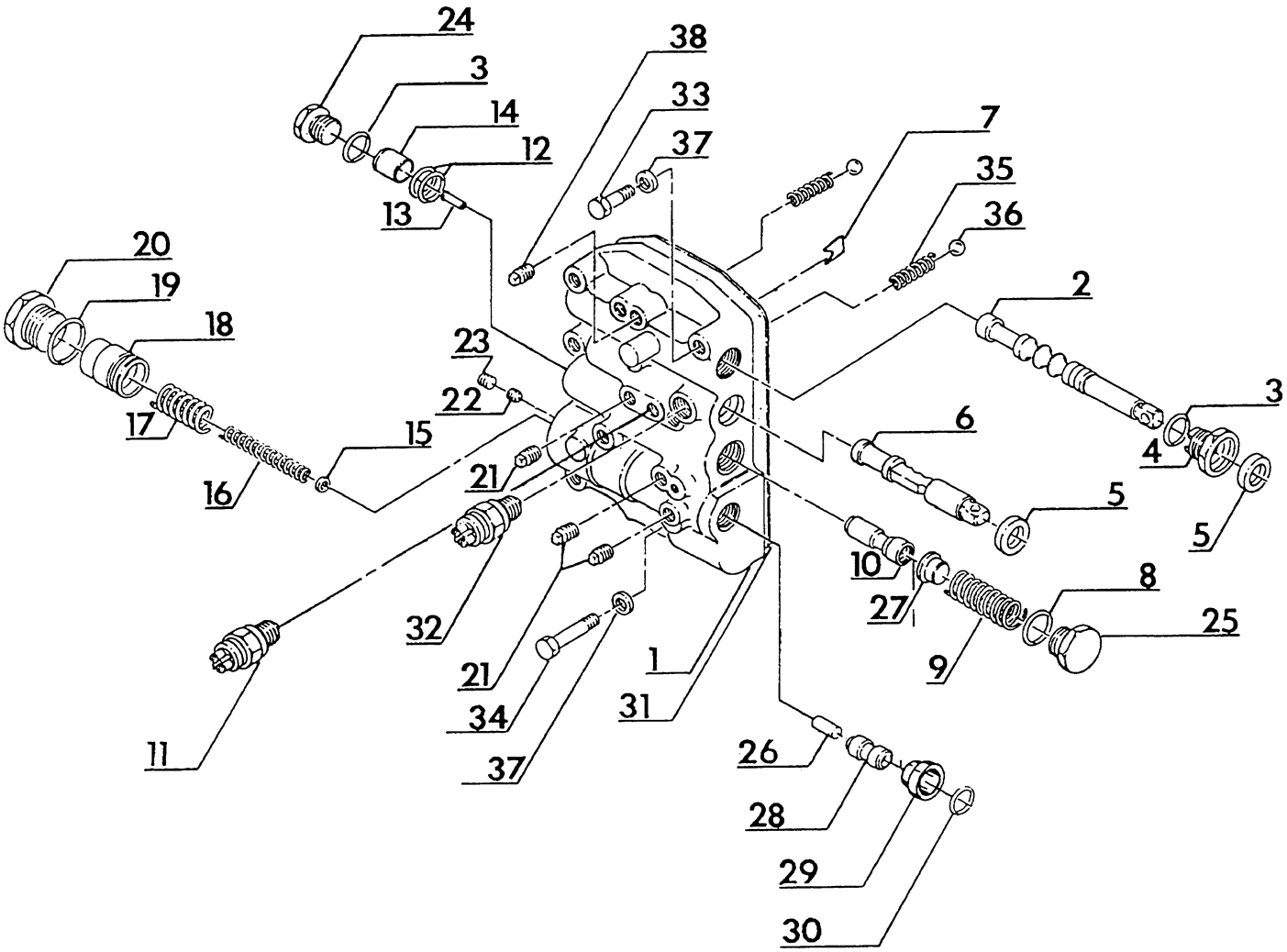



**Figure P24468**

# P24468 Valve Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P24468 | Complete Valve Assembly | 1 | 694, 702, 703, 708, 713, 716- | |
| — | P22706 | Complete Valve Assembly | 1 | 537, 542-545, 563-567, 604, 605 | |
| 1 | P22691 | Valve Body | 1 | ..... | |
| 2 | P22698 | Stem | 1 | ..... | |
| 3 | P18666 | O-Ring | 1 | ..... | |
| 4 | P18671 | Plug | 1 | ..... | |
| 5 | P18668 | Seal, Oil | 1 | ..... | |
| 6 | P22693 | Stem, Forward & Reverse | 1 | ..... | |
| 7 | P22694 | Fork Stop | 1 | ..... | |
| 8 | P22654 | O-Ring | 1 | ..... | |
| 9 | P22670 | Spring | 1 | ..... | |
| 10 | P22668 | Valve, Press. Regulator | 1 | ..... | |
| 11 | P19105 | Switch | 1 | ..... | |
| 12 | P22669 | O-Ring | 2 | ..... | |
| 13 | P22785 | Roller, Needle | 1 | ..... | |
| 14 | P22667 | Piston | 1 | ..... | |
| 15 | P22717 | Spacer | 3 | ..... | |
| 16 | P22671 | Spring, Main Regulator | 1 | ..... | |
| 17 | P22672 | Spring, Accumulator | 1 | ..... | |
| 18 | P22673 | Piston | 1 | ..... | |
| 19 | P18661 | O-Ring | 1 | ..... | |
| 20 | P18660 | Plug, Dump Valve | 1 | ..... | |
| 21 | P18672 | Plug, Pipe | 3 | ..... | |
| 22 | P22674 | Plug, Orifice | 1 | ..... | |
| 23 | P22783 | Plug, Pipe | 1 | ..... | |
| 24 | P22675 | Plug, Brake Cutoff | 1 | ..... | |
| 25 | P22653 | Plug, Spring Retainer | 1 | ..... | |
| 26 | P24469 | Pin, Dowel | 1 | 694, 702, 703, 708, 713, 716- | |
| | P22649 | Pin, Dowel | 1 | 537, 542-545, 563-567, 604, 605 | |
| 27 | P22652 | Guide, Spring | 1 | ..... | |
| 28 | P22721 | Valve, Relief | 1 | ..... | |
| 29 | P24481 | Seat, Relief Valve | 1 | 694, 702, 703, 708, 713, 716- | |
| | P22696 | Seat, Relief Valve | 1 | 537, 542-545, 563-567, 604, 605 | |
| 30 | P22776 | Ring, Retaining | 1 | ..... | |
| 31 | P22666 | Gasket, Valve Body | 1 | ..... | |
| 32 | P18673 | Switch | 1 | ..... | |
| 33 | P22796 | Capscrew | 7 | ..... | |
| 34 | P22797 | Capscrew | 3 | ..... | |
| 35 | P22651 | Spring Detent | 2 | ..... | |
| 36 | P18677 | Ball | 2 | ..... | |
| 37 | P22799 | Flatwasher | 10 | ..... | |
| 38 | P12727 | Plug, Pipe | 1 | ..... | |

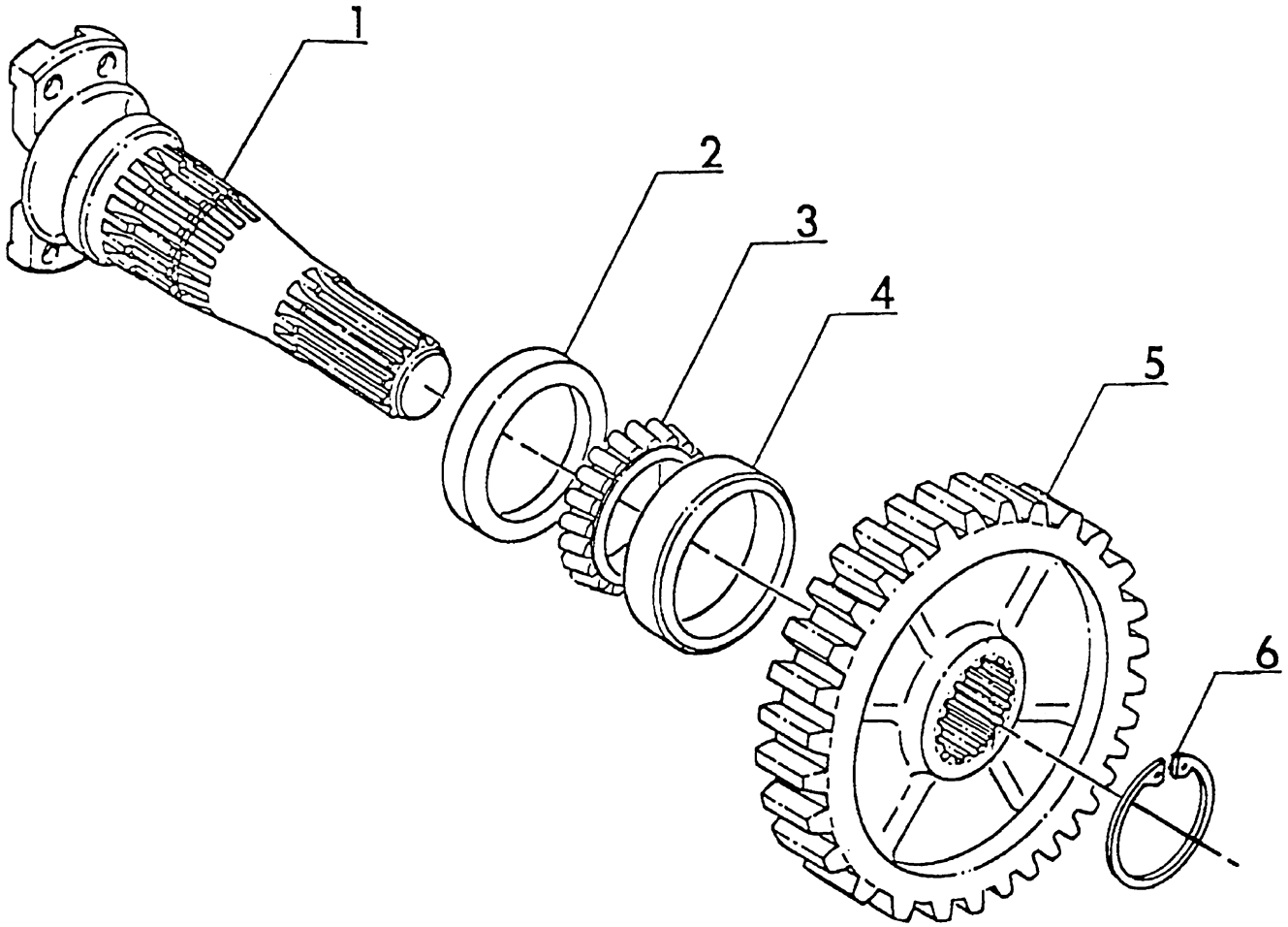



**Figure P22678**

# P22678 Output Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P22678 | Complete Output Assembly | 1 | ..... | |
| 1 | P22687 | Shaft, Output | 1 | ..... | |
| 2 | P22778 | Seal, Oil | 1 | ..... | |
| 3 | P22744 | Bearing | 1 | ..... | |
| 4 | P22747 | Bearing | 1 | ..... | |
| 5 | P22686 | Gear | 1 | ..... | |
| 6 | P22770 | Ring, Snap | 1 | ..... | |

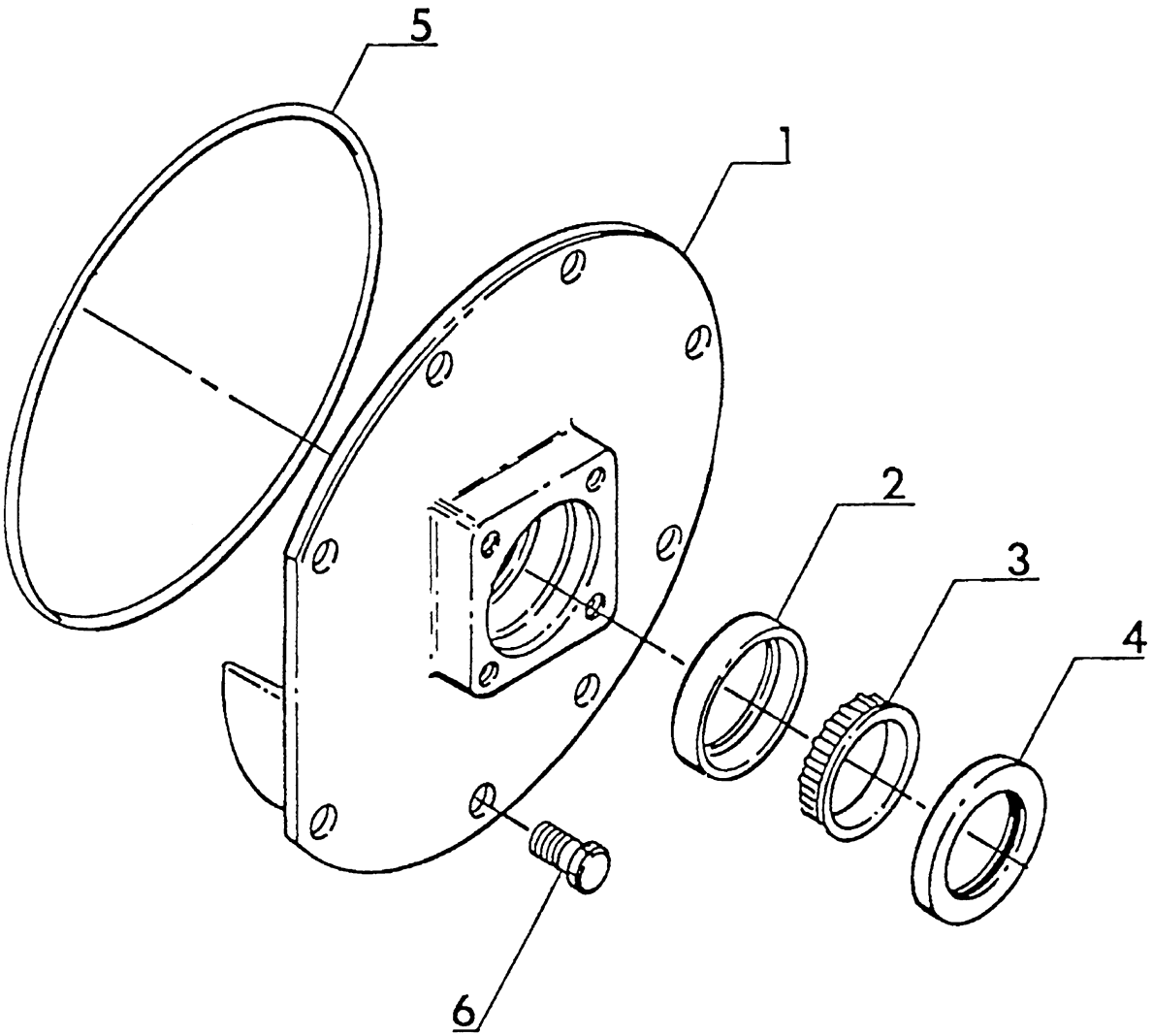



**Figure P24495**

# P24495 Output Retainer Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P24495 | Complete Output Retainer Assy. | 1 | 694, 702, 703, 708, 713, 716- | |
| — | P22680 | Complete Output Retainer Assy. | 1 | 537, 542-545, 563-567, 604, 605 | |
| 1 | P24494 | Retainer | 1 | 694, 702, 703, 708, 713, 716- | |
| | P22697 | Retainer | 1 | 537, 542-545, 563-567, 604, 605 | |
| 2 | P22743 | Bearing | 1 | ..... | |
| 3 | P22742 | Bearing | 1 | ..... | |
| 4 | P22779 | Seal, Oil | 1 | ..... | |
| 5 | P22768 | O-Ring | 1 | ..... | |
| 6 | P20753 | Capscrew | 8 | ..... | |

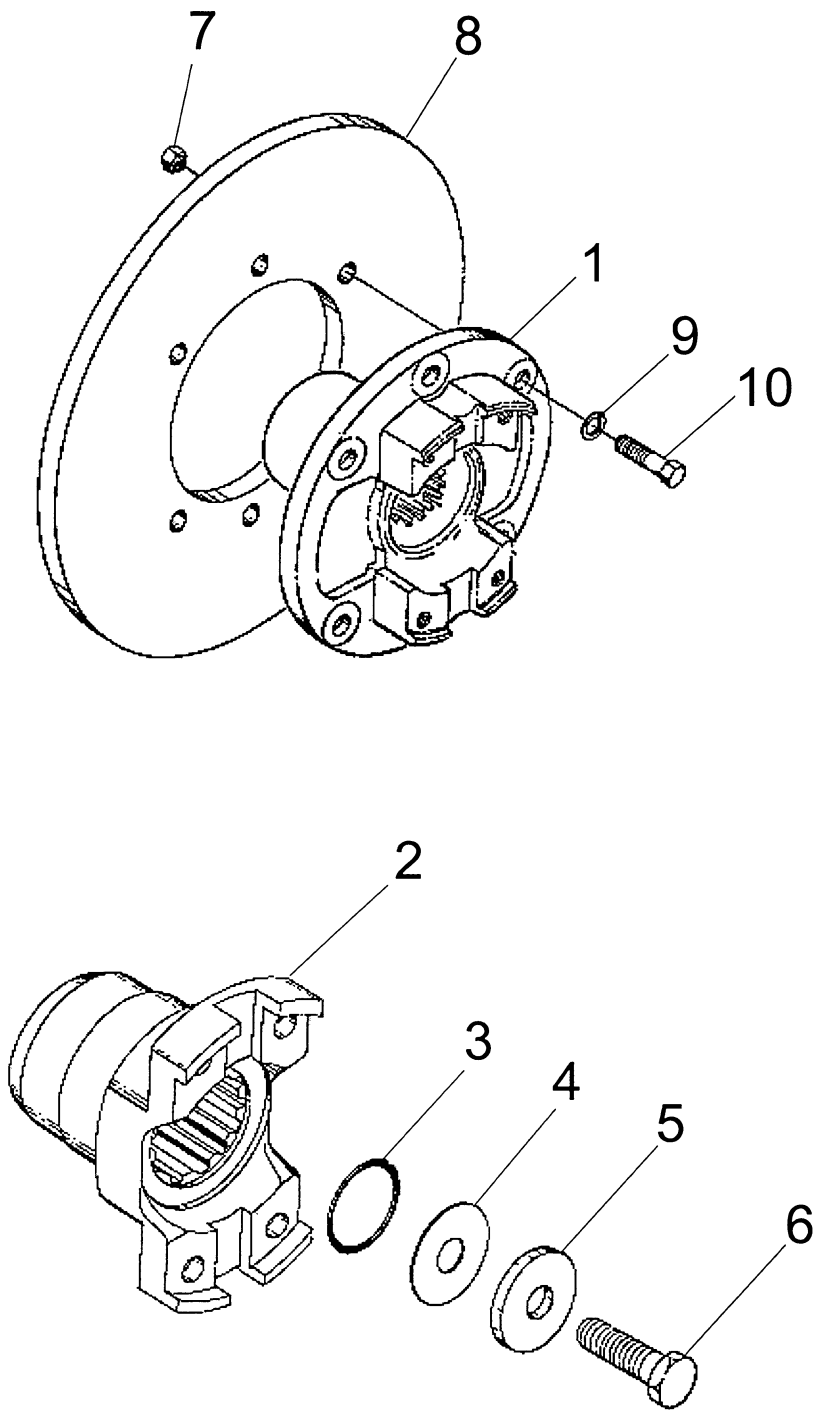



**Figure P33037**

# P33037 Yoke Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P33037 | Complete Yoke Assembly, w/ Disk Brake | 1 | 823 – | Incl. Items 1, 3-10 |
| — | P24496 | Complete Yoke Assembly | 1 | 694, 702, 703, 708, 713, 716-822 | Incl. Items 2-6 |
| — | P22688 | Complete Yoke Assembly | 1 | 537, 542-545, 563-567, 604, 605 | Incl. Items 1, 3-6 |
| 1 | P22685 | Yoke | 1 | 537, 542-545, 563-567, 604, 605, 823- | |
| 2 | P24497 | Yoke | 1 | 694, 702, 703, 708, 713, 716-822 | |
| 3 | P18685 | O-Ring | 1 | ..... | |
| 4 | P22689 | Shim Pack | 3 | ..... | |
| 5 | P20427 | Washer | 1 | ..... | |
| 6 | P20428 | Bolt | 1 | ..... | |
| 7 | P25429 | Nut, Hx. | 6 | 823 – | |
| 8 | P25074 | Disk, Brake | 1 | 823 – | |
| 9 | P18530 | Lockwasher | 6 | 823 – | |
| 10 | P25428 | Capscrew | 6 | 823 – | |

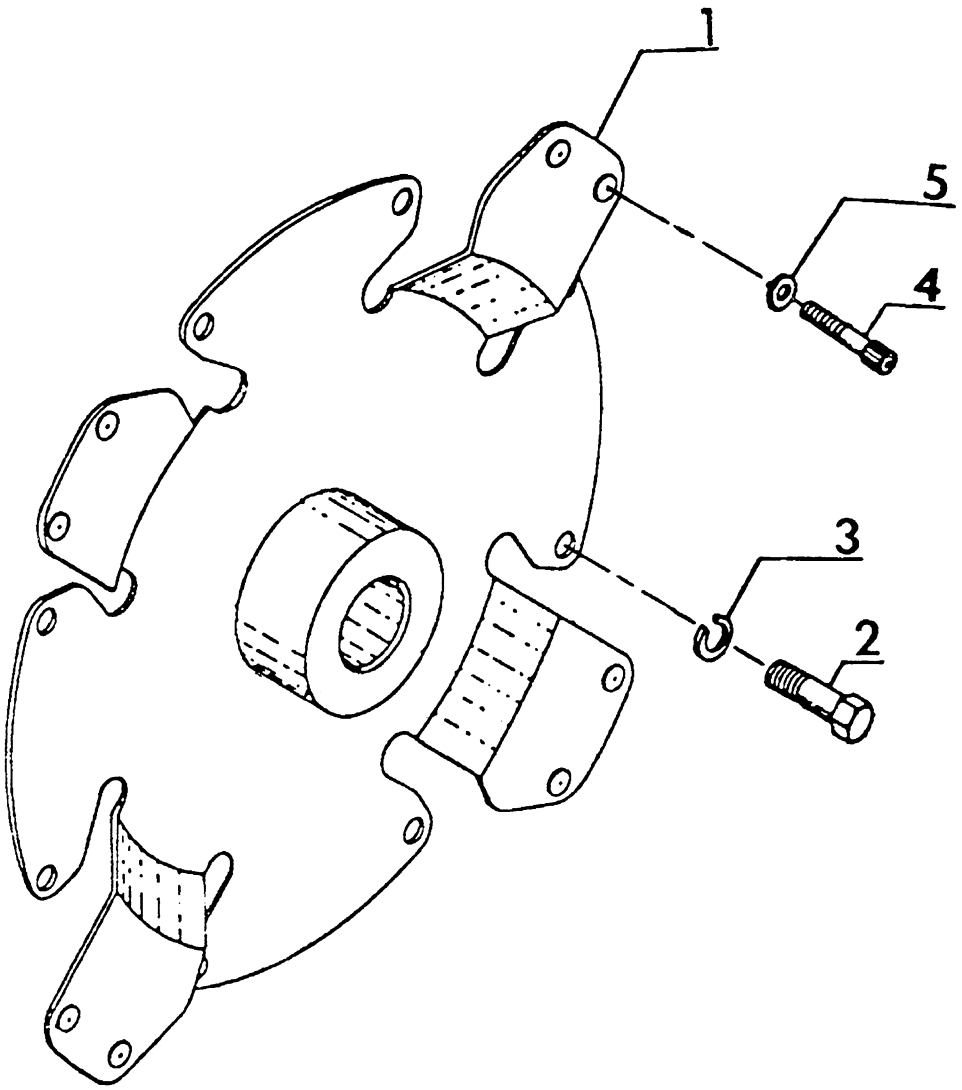



**Figure P24459**

# P24459 Drive Plate Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P24459 | Drive Plate | 1 | 694, 702, 703, 708, 713, 716- | Deere |
| | P22802 | Drive Plate | 1 | 694, 702, 703, 708, 713, 716- | Deutz |
| | P22801 | Drive Plate | 1 | 537, 542-545, 563-567, 604 & 605 | Deere |
| | P21782 | Drive Plate | 1 | 537, 542-545, 563-567, 604 & 605 | Perkins |
| 2 | P18536 | Capscrew | 8 | ..... | |
| 3 | P18530 | Lock Washer | 8 | ..... | |
| 4 | P19438 | Capscrew | 8 | ..... | |
| 5 | P22799 | Washer, Flat | 8 | 694, 702, 703, 708, 713, 716- | |
| | P18537 | Washer, Half Round | 8 | 537, 542-545, 563-567, 604 & 605 | |

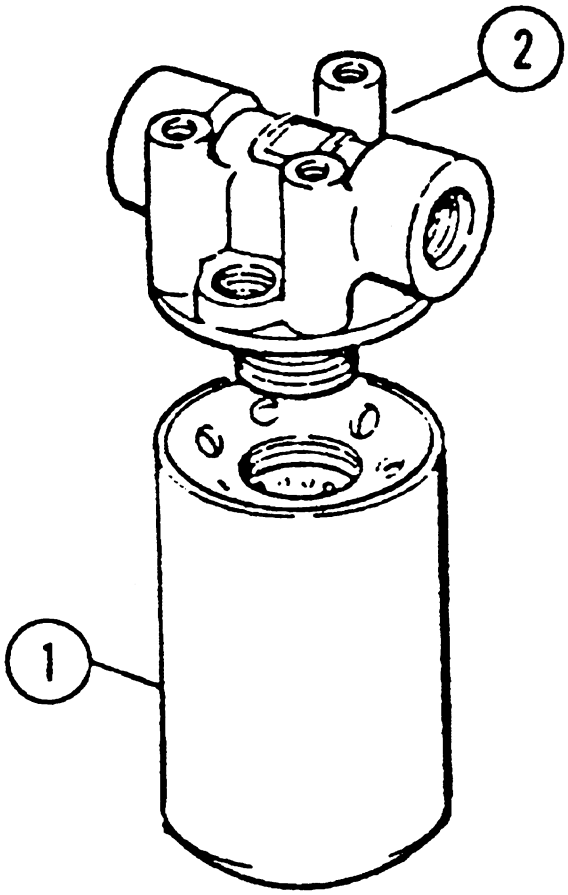



Figure P19132

# P19132 Remote Filter Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P19132 | Remote Filter & Base Assembly | 1 | ..... | |
| 1 | P19133 | Filter | 1 | ..... | |
| 2 | P19821 | Base | 1 | ..... | |

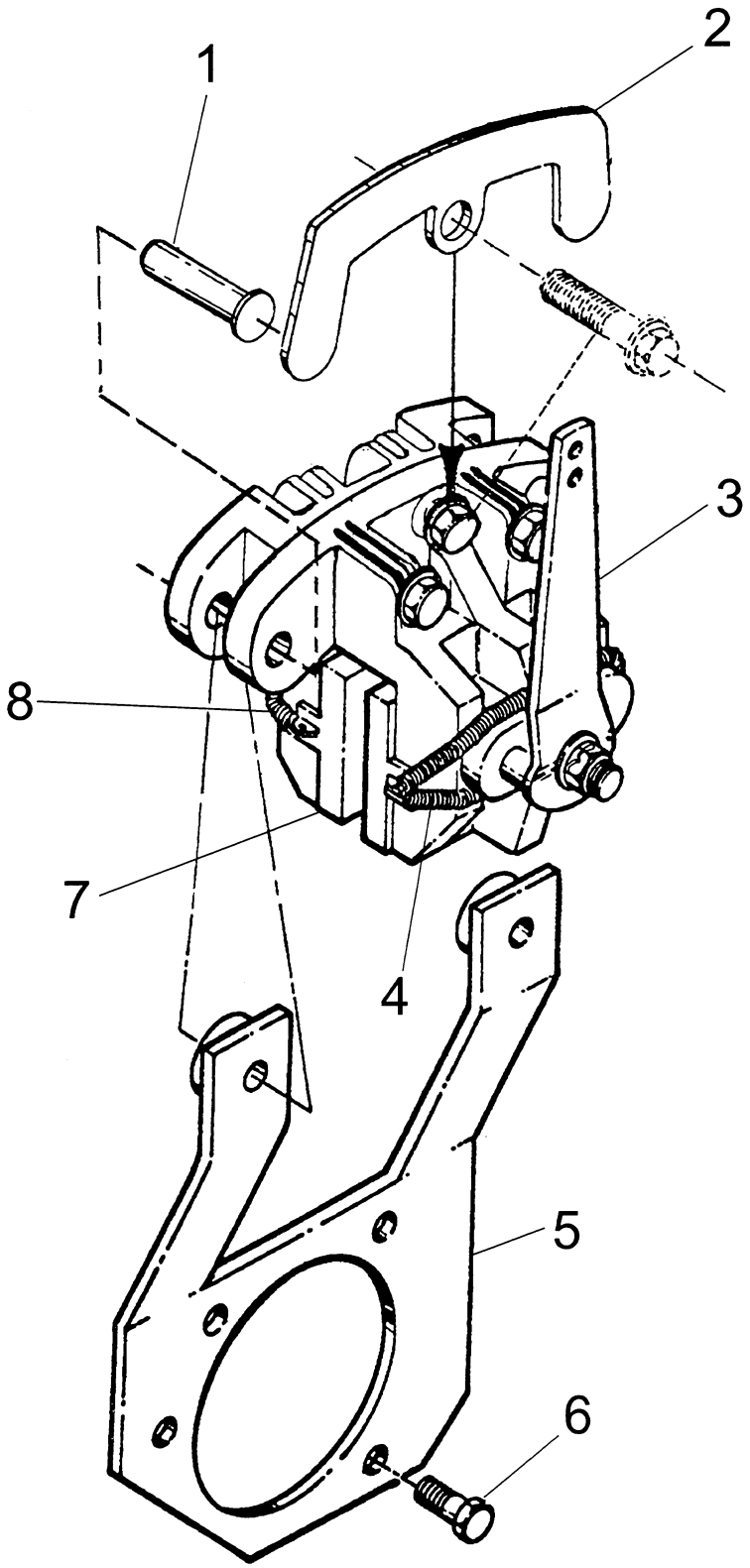



Figure P24539

# P24539 Parking Brake Caliper Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P25424 | Pin | 2 | 823 – | |
| 2 | P25403 | Pin, Retainer | 1 | " – " | |
| 3 | P24539 | Brake Caliper w/Pads | 1 | " – " | |
| 4 | P24602 | Spring | 2 | " – " | Short |
| 5 | P25401 | Bracket, Mounting | 1 | " – " | |
| 6 | P18573 | Capscrew | 4 | " – " | |
| 7 | P26210 | Brake Pad Kit | 1 | " – " | Includes Springs |
| 8 | P24601 | Spring | 1 | " – " | Long |

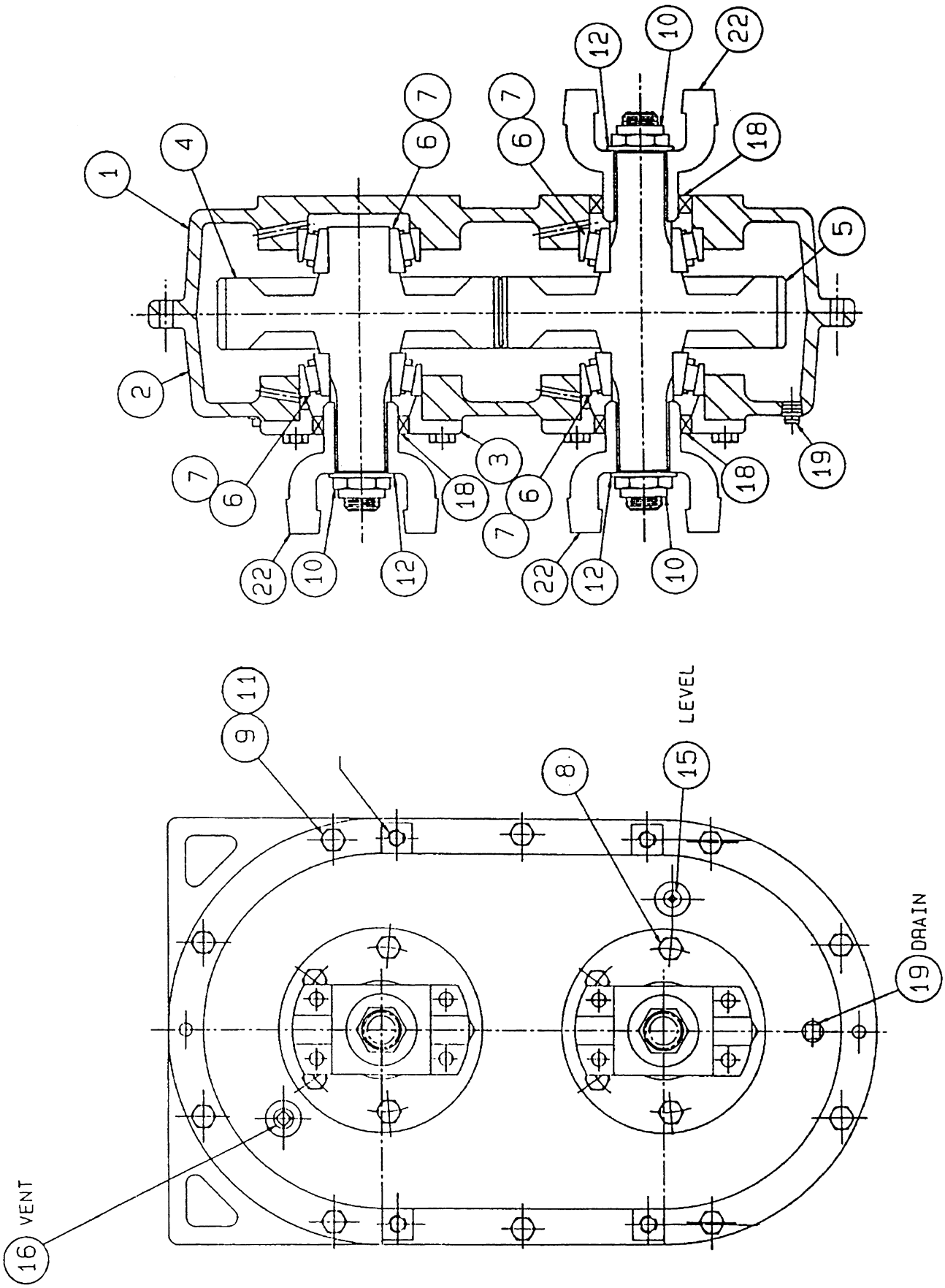



**Figure P31420**

# P31420

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32378 | Housing | 1 | 3067–3070, 3074–3082, 3085 | |
| 2 | P32379 | Housing | 1 | "–" | |
| 3 | P32380 | Cover - Closed | 1 | "–" | |
| 4 | P32381 | Cover - Open | 2 | "–" | |
| 5 | P32382 | Pinion - Input | 1 | "–" | |
| 6 | P32383 | Pinion - Interm. | 1 | "–" | |
| 7 | P32384 | Pinion - Output | 1 | "–" | |
| 8 | P27018 | Bearing Cup | 6 | "–" | |
| 9 | P32377 | Bearing Cone | 6 | "–" | |
| 10 | P00204 | Bolt, Hx. | 15 | "–" | 3/8"-16 x 1" |
| 11 | P01508 | Nut, Hx. | 14 | "–" | 3/8"-16 |
| 12 | P32385 | Flexloc | 3 | "–" | |
| 13 | P01310 | Lockwasher | 14 | "–" | 3/8" |
| 14 | P32386 | Washer | 3 | "–" | 1.12 x 2 x .125 |
| 15 | P00206 | Bolt, Hx. | 14 | "–" | 3/8"-16 x 1 1/2" GR 5 |
| 16 | P32387 | Dowel | 2 | "–" | 3/8 Dia. x 1" |
| 17 | P32388 | Plug - Level 5/8"-18 | 1 | "–" | Magnetic |
| 18 | P23289 | Plug | 1 | "–" | 1/2"-14 |
| 19 | P32390 | Washer | 1 | "–" | Copper |
| 20 | P32391 | Shim | A/R | "–" | |
| 21 | P32392 | Seal | 3 | "–" | |
| 22 | P32393 | Plug, 3/8"-18 | 1 | "–" | |
| 23 | P23294 | Paint | A/R | "–" | Gloss Black |
| 24 | P23295 | Lube | A/R | "–" | Mobil #423 |
| 25 | P32396 | End Yoke | 1 | "–" | |
| 26 | P32397 | End Yoke | 2 | "–" | |
| 27 | P32398 | ID Tag | 1 | "–" | |
| 28 | P32399 | Screw-Drive | 2 | "–" | |

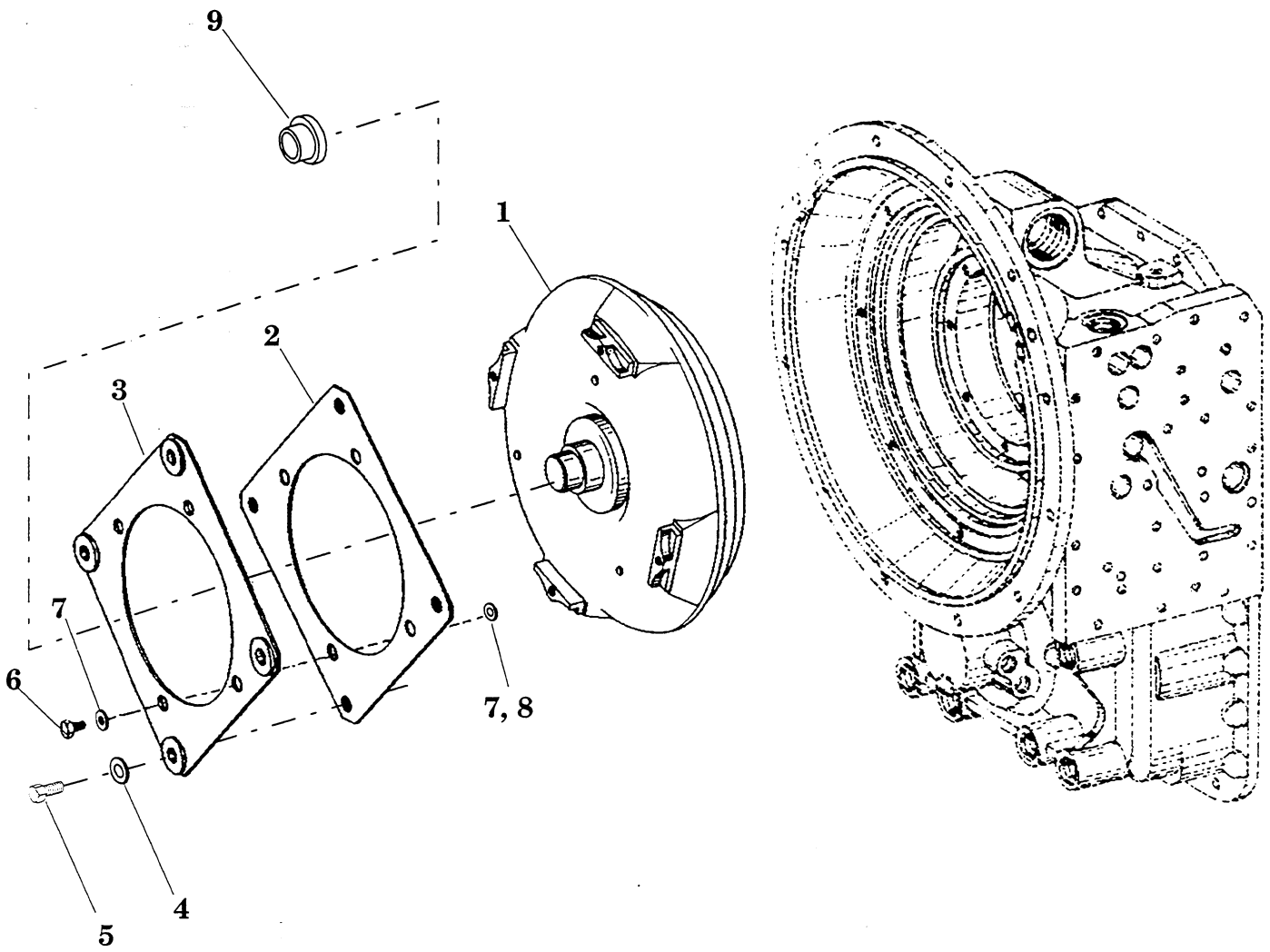



**Figure P31437-1**

# P31437-1 Converter and Engine Connection

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31704 | Torque Converter | 1 | 3090, 3091, 3093– | |
| 2 | P31700 | Flex Plate | 1 | " – " | Deere |
| | P32123 | Flex Plate | 1 | " – " | Cummins |
| 3 | P31701 | Flex Plate | 1 | " – " | Deere |
| | P32124 | Flex Plate | 1 | " – " | Cummins |
| 4 | P04608 | Lockwasher, Metric | 4 | " – " | M10, Flywheel to Flex Plate, |
| 5 | P04181 | Cap Screw, Hx Hd | 4 | " – " | M10-15 x 40, Flywheel to Flex Plate Deere |
| | P04874 | Cap Screw, Socket Hd | 4 | " – " | M10-15 x 40, Flywheel to Flex Plate Cummins |
| 6 | P31702 | Screw, Hx. | 4 | " – " | M10 x 16, Flex Plate to Converter, Deere |
| | P32125 | Screw, Hx. | 4 | " – " | M10 x 16, Flex Plate to Converter, Cummins |
| 7 | P31703 | Washer | 8 | " – " | M10 Deere |
| | P31703 | Washer | 4 | " – " | M10 Cummins |
| 8 | P32095 | Washer | 4 | " – " | Cummins ❶ |
| 9 | 35049A | Bushing, Pilot | 1 | " – " | Deere |
| | 35166A | Bushing, Pilot | 1 | " – " | Cummins |

NOTES:
❶For Cummins Engine Only

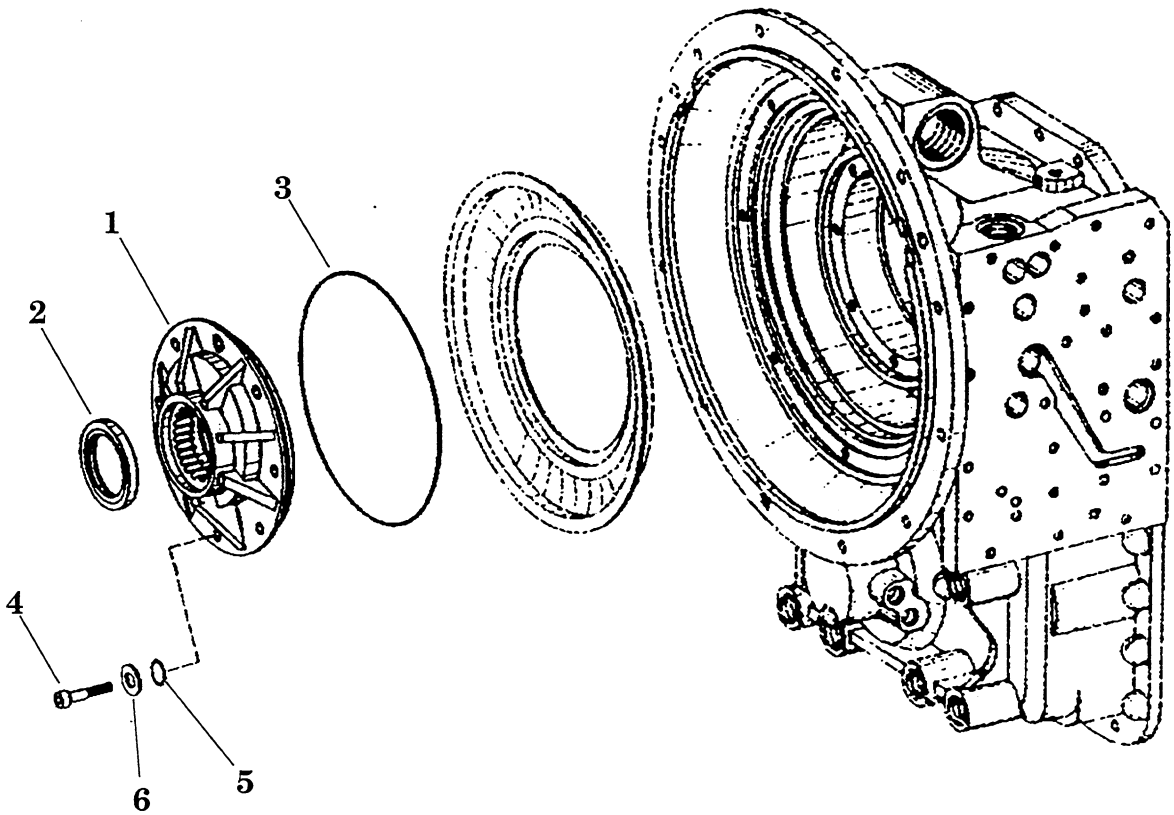



**Figure P31437-2**

# P31437-2 Pressure Oil Pump

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31705 | Pump | 1 | 3090, 3091, 3093– | |
| 2 | P31706 | Seal, Shaft | 1 | " – " | |
| 3 | P31707 | O-Ring | 1 | " – " | 192 x 3 |
| 4 | P31708 | Cap Screw | 8 | " – " | M8 x 40 |
| 5 | P31709 | O-Ring | 8 | " – " | 8 x 1.5 |
| 6 | P31710 | Washer | 8 | " – " | 8.4 mm thick |

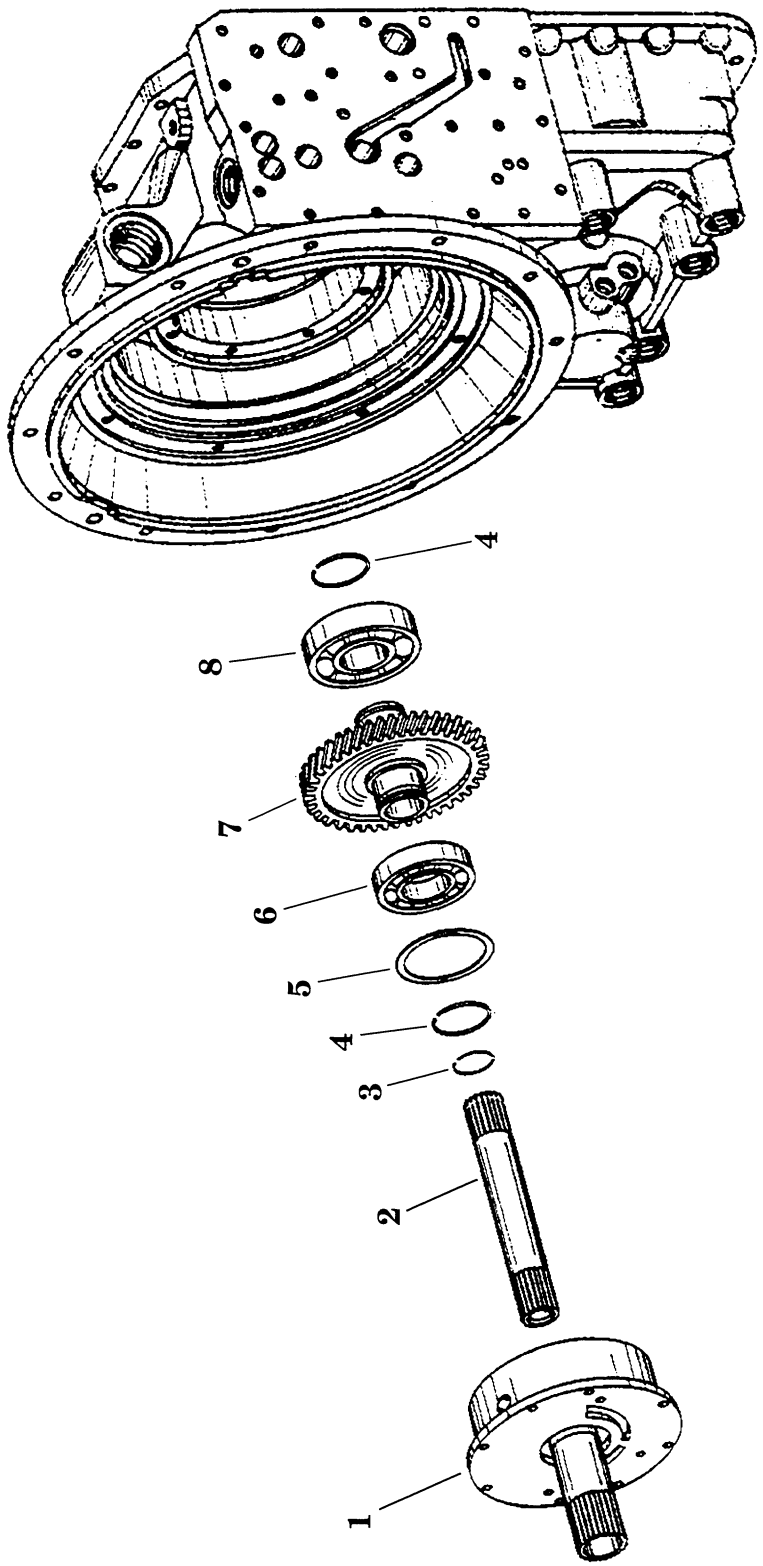



**Figure P31437-3**

# P31437-3 Input

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31734 | Flange, Oil Feed | 1 | 3090, 3091, 3093– | |
| 2 | P31711 | Shaft, Turbine | 1 | " – " | |
| 3 | P31732 | Ring, Snap | 1 | " – " | |
| 4 | P31733 | Ring, Piston | 2 | " – " | |
| 5 | — | Washer | – | " – " | |
| | P31715 | Washer, 1.20 mm thick | AR | " – " | (.0473 in.) |
| | P31716 | Washer, 0.50 mm thick | AR | " – " | (.0197 in.) |
| | P31717 | Washer, 0.60 mm thick | AR | " – " | (.0237 in.) |
| | P31718 | Washer, 0.70 mm thick | AR | " – " | (.0276 in.) |
| | P31719 | Washer, 0.80 mm thick | AR | " – " | (.0315 in.) |
| | P31720 | Washer, 0.90 mm thick | AR | " – " | (.0355 in.) |
| | P31721 | Washer, 1.00 mm thick | AR | " – " | (.0394 in.) |
| | P31722 | Washer, 1.10 mm thick | AR | " – " | (.0433 in.) |
| | P31723 | Washer, 1.30 mm thick | AR | " – " | (.0512 in.) |
| | P31724 | Washer, 1.40 mm thick | AR | " – " | (.0552 in.) |
| | P31725 | Washer, 1.50 mm thick | AR | " – " | (.0591 in.) |
| | P31726 | Washer, 0.65 mm thick | AR | " – " | (.0256 in.) |
| | P31727 | Washer, 0.75 mm thick | AR | " – " | (.0296 in.) |
| | P31728 | Washer, 0.85 mm thick | AR | " – " | (.0335 in.) |
| | P31729 | Washer, 0.95 mm thick | AR | " – " | (.0374 in.) |
| | P31730 | Washer, 1.05 mm thick | AR | " – " | (.0414 in.) |
| | P31731 | Washer, 1.15 mm thick | AR | " – " | (.0453 in.) |
| 6 | P31712 | Bearing, Roller | 1 | " – " | |
| 7 | P31713 | Gear, Input | 1 | " – " | |
| 8 | P31714 | Bearing, Roller | 1 | " – " | |

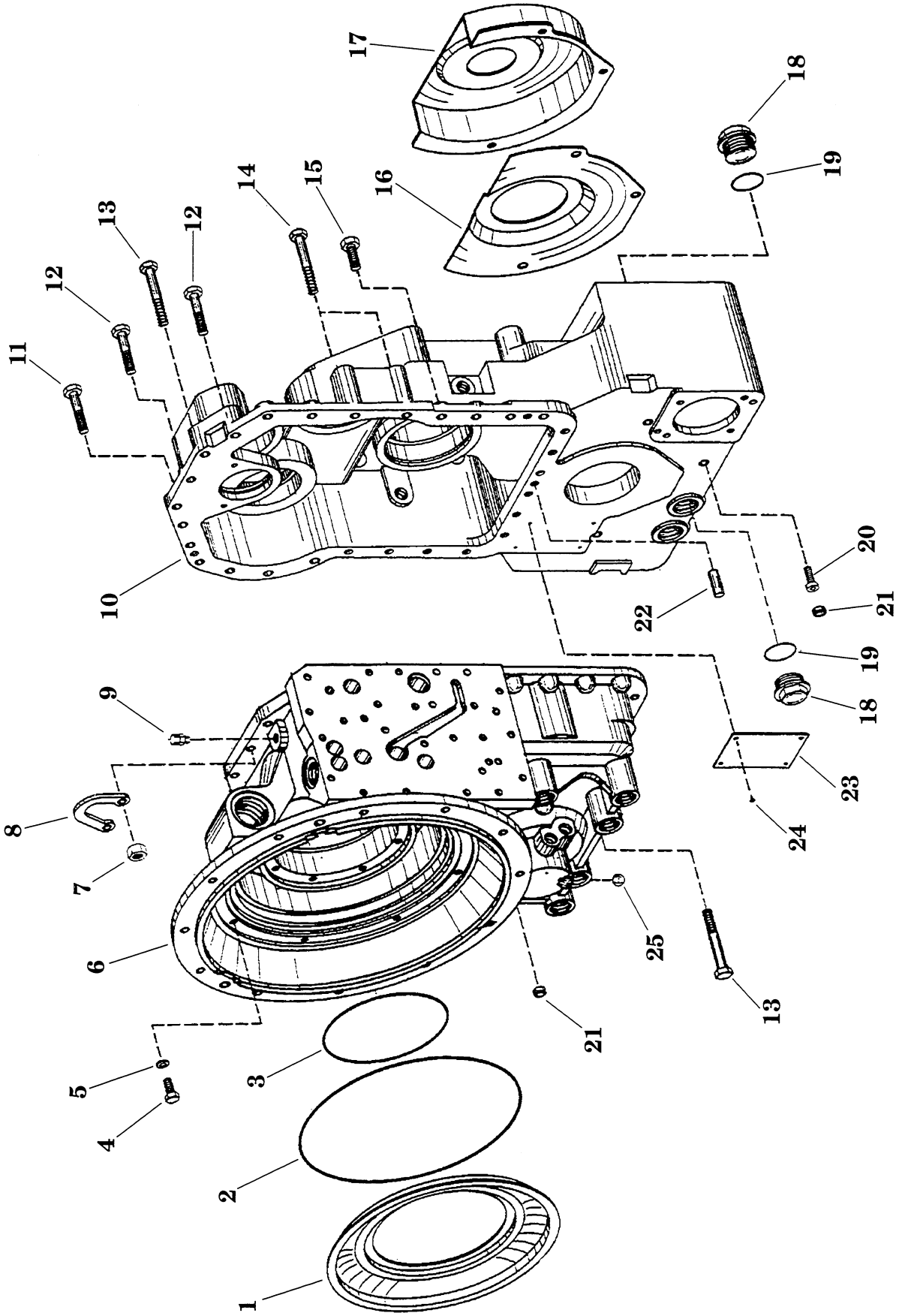



Figure P31437-4

# P31437-4 Gearbox Housing

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31753 | Cover Sheet | 1 | 3090, 3091, 3093– | |
| 2 | P31754 | O-Ring | 1 | " – " | 294 x 3 |
| 3 | P31736 | O-Ring | 1 | " – " | 150 x 3 |
| 4 | P31755 | Screw, Hx. | 8 | " – " | M8 x 20 |
| 5 | P31756 | Washer, 8.4 mm thick | 8 | " – " | (.3307 in.) |
| 6 | P31735 | Housing | 1 | " – " | |
| 7 | P31751 | Nut, Hx. | 6 | " – " | M10 |
| 8 | P31745 | Bracket | 1 | " – " | |
| 9 | P31744 | Breather | 1 | " – " | |
| 10 | P31737 | Housing, Gearbox | 1 | " – " | |
| 11 | P31748 | Screw, Hx. | 3 | " – " | M10 x 45 |
| 12 | P31746 | Screw, Hx. | 3 | " – " | M10 x 55 |
| 13 | P31750 | Screw, Hx. | 3 | " – " | M10 x 70 |
| 14 | P31749 | Screw, Hx. | 2 | " – " | M10 x 85 |
| 15 | P31747 | Screw, Hx. | 17 | " – " | M10 x 32 |
| 16 | P31739 | Screen Sheet | 1 | " – " | |
| 17 | P31738 | Screen Sheet | 1 | " – " | |
| 18 | P31742 | Plug, Screw | 2 | " – " | |
| 19 | P31743 | O-Ring | 2 | " – " | 30 x 2.5 |
| 20 | P31740 | Cap Screw | 3 | " – " | M8 x 35 |
| 21 | P31741 | Cap, Sealing | 5 | " – " | |
| 22 | P31752 | Pin, Cylindrical | 1 | " – " | |
| 23 | P31757 | Type Plate | 1 | " – " | |
| 24 | P31758 | Stud, Grooved | 4 | " – " | |
| 25 | P31759 | Ball | 1 | " – " | |

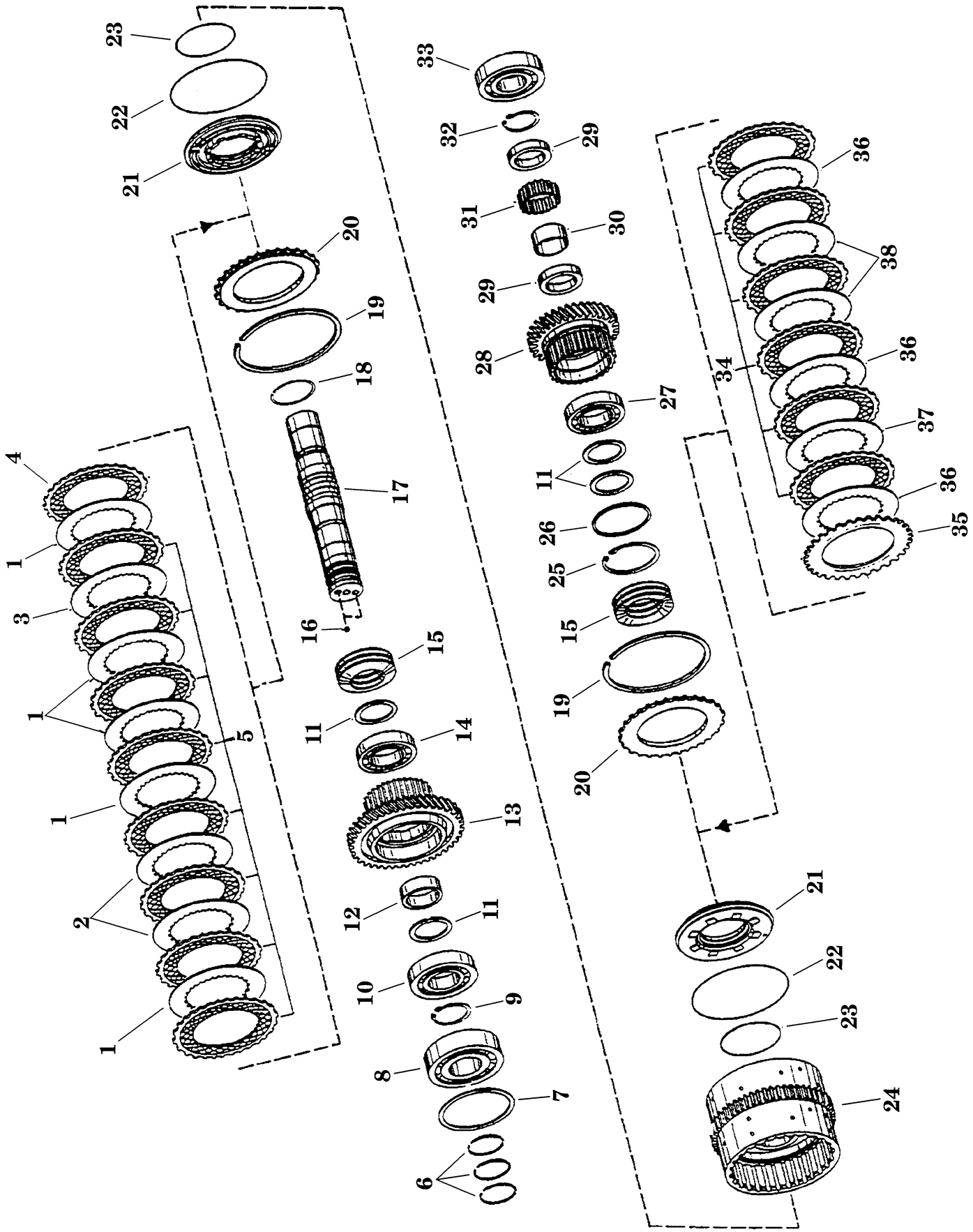



Figure P31437-5

# P31437-5 Clutch Pack, Forward, 1st Gear (1of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31847 | Disc, Inner Clutch (2.0 mm thick) | 5 | 3090, 3091, 3093– | (.0788 in.) |
| 2 | P31848 | Disc, Inner Clutch (1.5 mm thick) | 2 | " – " | (.0591 in.) |
| 3 | — | Disc, Inner Clutch | AR | " – " | |
| | P31847 | 2.0 mm thick | – | " – " | (.0788 in.) |
| | P31848 | 1.5 mm thick | – | " – " | (.0591 in.) |
| | P31849 | 2.5 mm thick | – | " – " | (.0985 in.) |
| 4 | P31851 | Disc, Outer Clutch | 1 | " – " | |
| 5 | P31850 | Disc, Outer Clutch | 8 | " – " | |
| 6 | P31788 | Ring, Piston | 3 | " – " | 45 x 2.5 |
| 7 | — | Shim | AR | " – " | |
| | P31763 | 0.90 mm thick | – | " – " | (.0355 in.) |
| | P31764 | 0.95 mm thick | – | " – " | (.0374 in.) |
| | P31765 | 1.00 mm thick | – | " – " | (.0394 in.) |
| | P31766 | 1.05 mm thick | – | " – " | (.0414 in.) |
| | P31767 | 1.10 mm thick | – | " – " | (.0433 in.) |
| | P31768 | 1.15 mm thick | – | " – " | (.0453 in.) |
| | P31769 | 1.20 mm thick | – | " – " | (.0473 in.) |
| | P31770 | 1.25 mm thick | – | " – " | (.0493 in.) |
| | P31771 | 1.30 mm thick | – | " – " | (.0512 in.) |
| | P31772 | 1.35 mm thick | – | " – " | (.0532 in.) |
| | P31773 | 1.40 mm thick | – | " – " | (.0552 in.) |
| | P31774 | 1.45 mm thick | – | " – " | (.0571 in.) |
| | P31775 | 1.50 mm thick | – | " – " | (.0591 in.) |
| | P31776 | 1.55 mm thick | – | " – " | (.0611 in.) |
| | P31777 | 1.60 mm thick | – | " – " | (.0630 in.) |
| | P31778 | 1.65 mm thick | – | " – " | (.0650 in.) |
| | P31779 | 1.70 mm thick | – | " – " | (.0670 in.) |
| | P31780 | 1.75 mm thick | – | " – " | (.0689 in.) |
| | P31781 | 1.80 mm thick | – | " – " | (.0709 in.) |
| | P31782 | 1.85 mm thick | – | " – " | (.0729 in.) |
| | P31783 | 1.90 mm thick | – | " – " | (.0748 in.) |
| | P31784 | 1.95 mm thick | – | " – " | (.0768 in.) |
| | P31785 | 2.00 mm thick | – | " – " | (.0788 in.) |
| | P31786 | 2.05 mm thick | – | " – " | (.0807 in.) |
| | P31787 | 2.10 mm thick | – | " – " | (.0824 in.) |
| 8 | P31762 | Bearing, Ball | 1 | " – " | |
| 9 | P31789 | Ring, Retaining | 1 | " – " | 45 x 1.75 |
| 10 | P31790 | Bearing, Ball | 1 | " – " | |

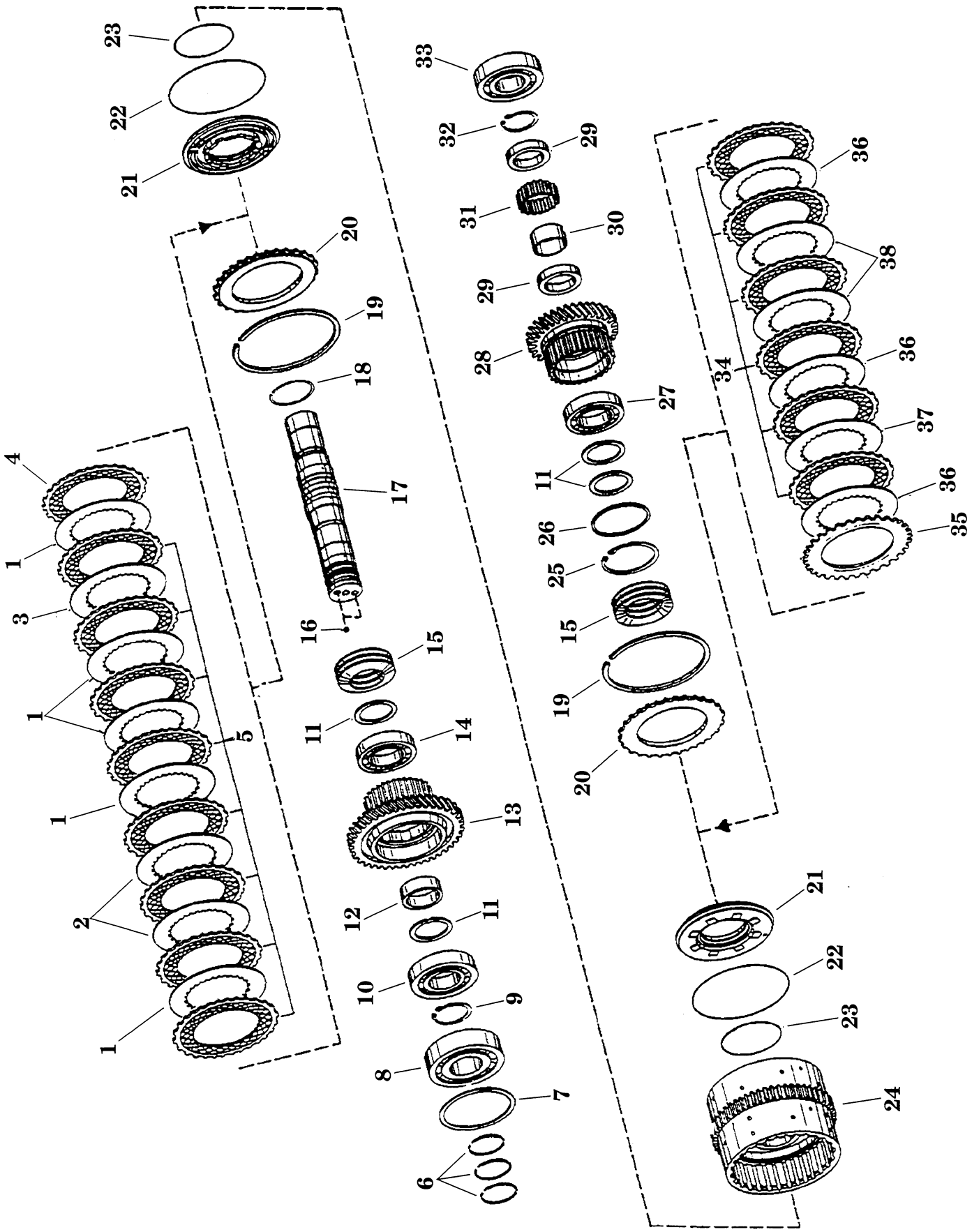



Figure P31437-5

# P31437-5 Clutch Pack, Forward, 1st Gear (2 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 11 | — | Shim | AR | " – " | |
| | P31791 | 1.30 mm thick | – | " – " | (.0512 in.) |
| | P31792 | 1.35 mm thick | – | " – " | (.0532 in.) |
| | P31793 | 1.40 mm thick | – | " – " | (.0552 in.) |
| | P31794 | 1.45 mm thick | – | " – " | (.0571 in.) |
| | P31795 | 1.50 mm thick | – | " – " | (.0591 in.) |
| | P31796 | 1.55 mm thick | – | " – " | (.0611 in.) |
| | P31797 | 1.60 mm thick | – | " – " | (.0630 in.) |
| | P31798 | 1.65 mm thick | – | " – " | (.0650 in.) |
| | P31799 | 1.70 mm thick | – | " – " | (.0670 in.) |
| | P31800 | 1.75 mm thick | – | " – " | (.0689 in.) |
| | P31801 | 1.80 mm thick | – | " – " | (.0709 in.) |
| | P31802 | 1.85 mm thick | – | " – " | (.0729 in.) |
| | P31803 | 1.90 mm thick | – | " – " | (.0748 in.) |
| | P31804 | 1.95 mm thick | – | " – " | (.0768 in.) |
| | P31805 | 2.00 mm thick | – | " – " | (.0788 in.) |
| | P31806 | 2.05 mm thick | – | " – " | (.0807 in.) |
| | P31807 | 2.10 mm thick | – | " – " | (.0827 in.) |
| | P31808 | 2.15 mm thick | – | " – " | (.0847 in.) |
| | P31809 | 2.20 mm thick | – | " – " | (.0867 in.) |
| | P31810 | 2.25 mm thick | – | " – " | (.0886 in.) |
| | P31811 | 2.30 mm thick | – | " – " | (.0906 in.) |
| | P31812 | 2.35 mm thick | – | " – " | (.0926 in.) |
| | P31813 | 2.40 mm thick | – | " – " | (.0945 in.) |
| | P31814 | 2.45 mm thick | – | " – " | (.0965 in.) |
| | P31815 | 2.50 mm thick | – | " – " | (.0985 in.) |
| | P31816 | 2.55 mm thick | – | " – " | (.1004 in.) |
| | P31817 | 2.60 mm thick | – | " – " | (.1024 in.) |
| | P31818 | 2.65 mm thick | – | " – " | (.1044 in.) |
| | P31819 | 2.70 mm thick | – | " – " | (.1063 in.) |
| | P31820 | 2.75 mm thick | – | " – " | (.1083 in.) |
| | P31821 | 2.80 mm thick | – | " – " | (.1103 in.) |
| 12 | P31822 | Bushing | 1 | " – " | |
| 13 | P31823 | Gear, Spur | 1 | " – " | |
| 14 | P31824 | Bearing, Ball | 1 | " – " | |
| 15 | P31825 | Spring, Cup | 10 | " – " | |
| 16 | P31761 | Ball | 2 | " – " | |
| 17 | P31760 | Shaft | 1 | " – " | |
| 18 | P31832 | Ring, Snap | 1 | " – " | |
| 19 | P31826 | Ring, Snap | 2 | " – " | |
| 20 | P31827 | Shim, End | 2 | " – " | |
| 21 | P31830 | Piston | 2 | " – " | |
| 22 | P31829 | O-Ring | 2 | " – " | 120 x 3 |
| 23 | P31828 | O-Ring | 2 | " – " | 60 x 3 |
| 24 | P31831 | Carrier, Disc | 1 | " – " | |
| 25 | P31840 | Ring, Retaining | 1 | " – " | 75 x 2.5 |

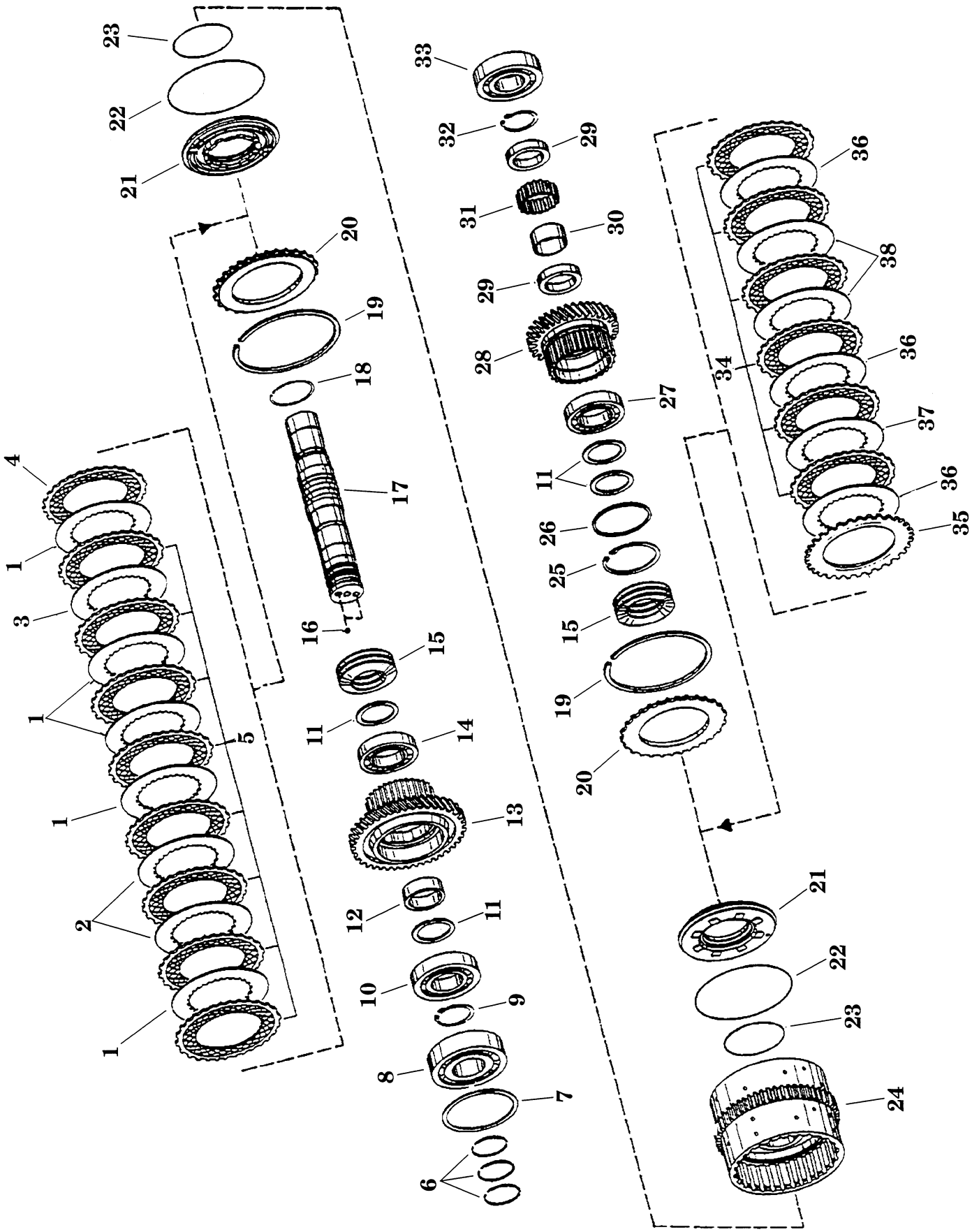



Figure P31437-5

# P31437-5 Clutch Pack, Forward, 1st Gear (3 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 26 | — | Shim | AR | " – " | |
| | P31834 | 0.8 mm thick | – | " – " | (.0315 in.) |
| | P31835 | 0.9 mm thick | – | " – " | (.0355 in.) |
| | P31836 | 1.0 mm thick | – | " – " | (.0394 in.) |
| | P31837 | 1.1 mm thick | – | " – " | (.0433 in.) |
| | P31838 | 1.2 mm thick | – | " – " | (.0473 in.) |
| | P31839 | 1.3 mm thick | – | " – " | (.0512 in.) |
| 27 | P31833 | Bearing, Ball | 1 | " – " | |
| 28 | P31843 | Gear, Spur | 1 | " – " | |
| 29 | P31842 | Bushing | 2 | " – " | |
| 30 | P31844 | Ring, Internal | 1 | " – " | |
| 31 | P31841 | Needle Cage | 1 | " – " | |
| 32 | P31845 | Ring, Retaining | 1 | " – " | 40 x 1.75 |
| 33 | P31846 | Bearing, Ball | 1 | " – " | |
| 34 | P31850 | Outer Clutch | 6 | " – " | |
| 35 | P31851 | Outer Clutch | 1 | " – " | |
| 36 | P31847 | Inner Clutch, 2.0 mm thick | 3 | " – " | (.0788 in.) |
| 37 | — | Inner Clutch | AR | " – " | |
| | P31847 | 2.0 mm thick | – | " – " | (.0788 in.) |
| | P31848 | 1.5 mm thick | – | " – " | (.0591 in.) |
| | P31849 | 2.5 mm thick | – | " – " | (.0985 in.) |
| 38 | P31848 | Inner Clutch, 1.5 mm thick | 2 | " – " | (.0591 in.) |

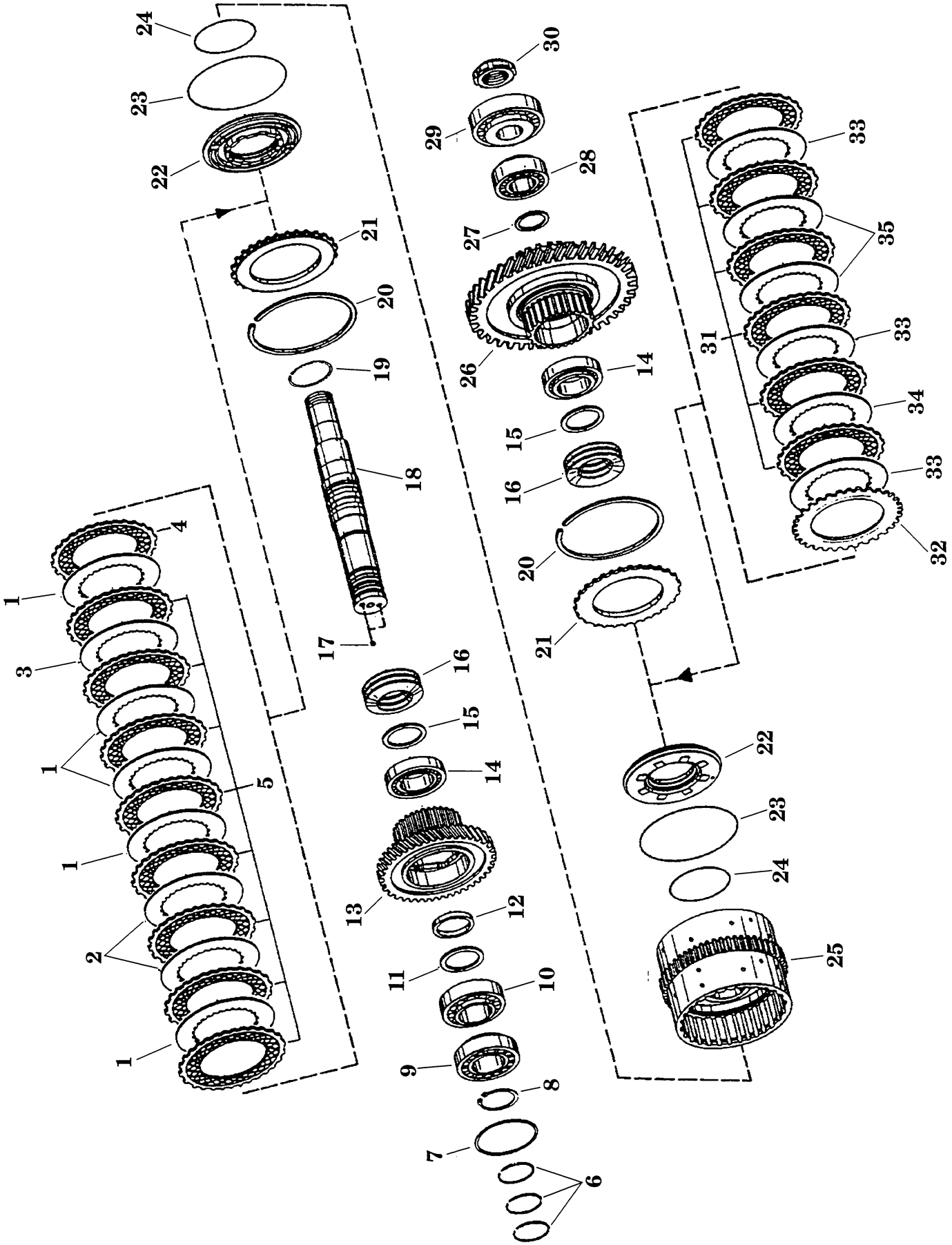



Figure P31437-6

# P31437-6 Clutch Pack, Reverse, 2nd Gear (1of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31747 | Disc, Inner Clutch (2.0 mm thick) | 5 | 3090, 3091, 3093– | (.0788 in.) |
| 2 | P31848 | Disc, Inner Clutch (1.5 mm thick) | 2 | " – " | (.0591 in.) |
| 3 | — | Disc, Inner Clutch | AR | " – " | |
| | P31847 | 2.0 mm thick | – | " – " | (.0788 in.) |
| | P31848 | 1.5 mm thick | – | " – " | (.0591 in.) |
| | P31849 | 2.5 mm thick | – | " – " | (.0985 in.) |
| 4 | P31851 | Disc, Outer Clutch | 1 | " – " | |
| 5 | P31850 | Disc, Outer Clutch | 8 | " – " | |
| 6 | P31788 | Ring, Piston | 3 | " – " | 45 x 2.5 |
| 7 | — | Washer | AR | " – " | |
| | P31854 | 0.80 mm thick | – | " – " | (.0315 in.) |
| | P31855 | 0.85 mm thick | – | " – " | (.0335 in.) |
| | P31856 | 0.90 mm thick | – | " – " | (.0355 in.) |
| | P31857 | 0.95 mm thick | – | " – " | (.0374 in.) |
| | P31858 | 1.00 mm thick | – | " – " | (.0394 in.) |
| | P31859 | 1.05 mm thick | – | " – " | (.0414 in.) |
| | P31860 | 1.10 mm thick | – | " – " | (.0433 in.) |
| | P31861 | 1.15 mm thick | – | " – " | (.0453 in.) |
| | P31862 | 1.20 mm thick | – | " – " | (.0473 in.) |
| | P31863 | 1.25 mm thick | – | " – " | (.0493 in.) |
| | P31864 | 1.30 mm thick | – | " – " | (.0512 in.) |
| | P31865 | 1.35 mm thick | – | " – " | (.0532 in.) |
| | P31866 | 1.40 mm thick | – | " – " | (.0552 in.) |
| | P31867 | 1.45 mm thick | – | " – " | (.0571 in.) |
| | P31868 | 1.50 mm thick | – | " – " | (.0591 in.) |
| | P31869 | 1.55 mm thick | – | " – " | (.0611 in.) |
| | P31870 | 1.60 mm thick | – | " – " | (.0630 in.) |
| | P31871 | 1.65 mm thick | – | " – " | (.0650 in.) |
| | P31872 | 1.70 mm thick | – | " – " | (.0670 in.) |
| | P31873 | 1.75 mm thick | – | " – " | (.0689 in.) |
| | P31874 | 1.80 mm thick | – | " – " | (.0709 in.) |
| | P31875 | 1.85 mm thick | – | " – " | (.0729 in.) |
| | P31876 | 1.90 mm thick | – | " – " | (.0748 in.) |
| | P31877 | 1.95 mm thick | – | " – " | (.0786 in.) |
| | P31878 | 2.00 mm thick | – | " – " | (.0788 in.) |
| | P31879 | 2.05 mm thick | – | " – " | (.0807 in.) |
| | P31880 | 2.10 mm thick | – | " – " | (.0824 in.) |
| | P31881 | 2.15 mm thick | – | " – " | (.0847 in.) |
| | P31882 | 2.20 mm thick | – | " – " | (.0867 in.) |
| | P31883 | 2.25 mm thick | – | " – " | (.0886 in.) |
| | P31884 | 2.30 mm thick | – | " – " | (.0906 in.) |
| | P31885 | 2.35 mm thick | – | " – " | (.0926 in.) |
| | P31886 | 2.40 mm thick | – | " – " | (.0945 in.) |
| 8 | P31789 | Ring, Retaining | 1 | " – " | 45 x 1.75 |
| 9 | P31853 | Bearing, Roller | 1 | " – " | |
| 10 | P31714 | Bearing, Roller | 1 | " – " | |

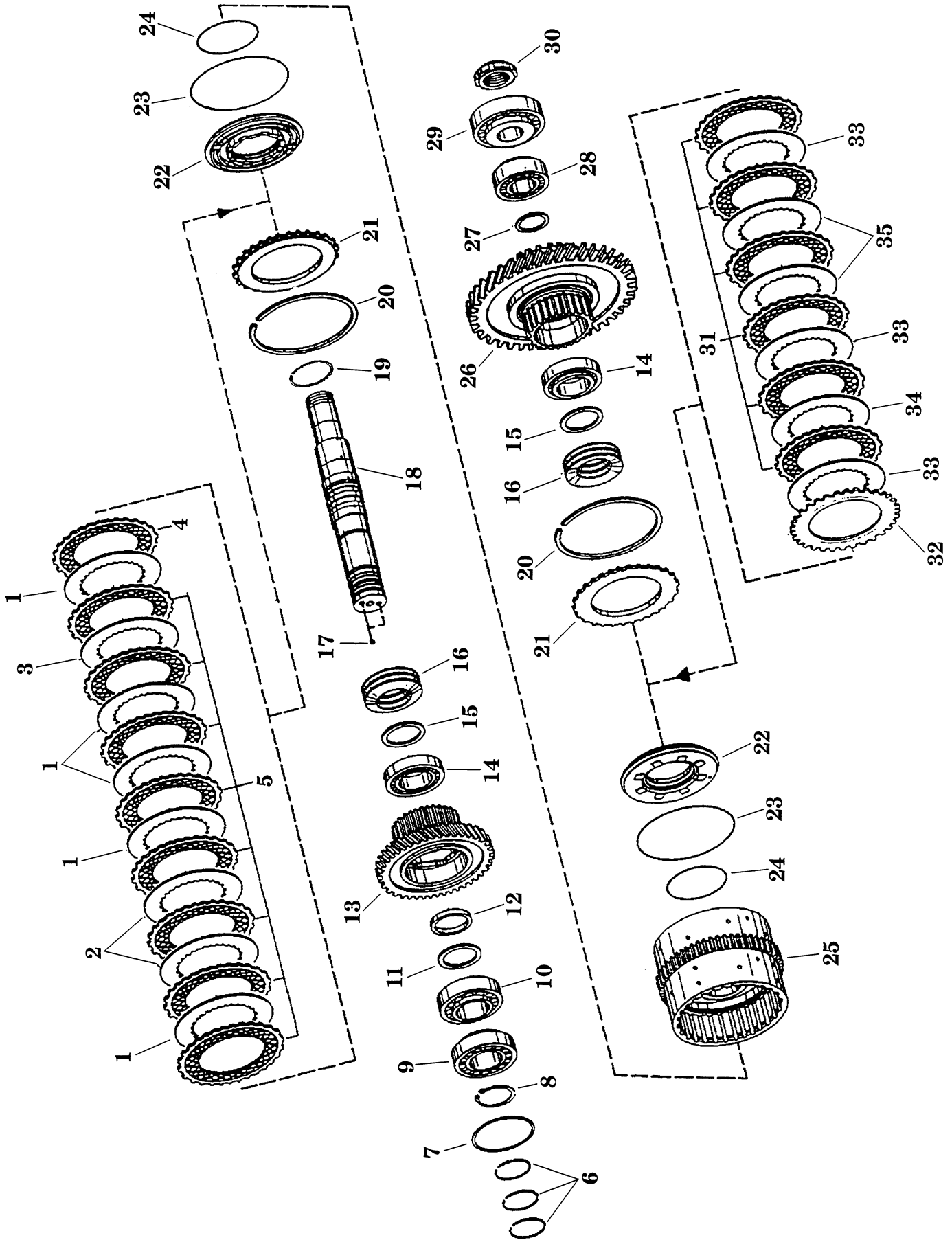



Figure P31437-6

# P31437-6 Clutch Pack, Reverse, 2nd Gear (2 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 11 | — | Shim | AR | " – " | |
| | P31791 | 1.30 mm thick | – | " – " | (.0512 in.) |
| | P31792 | 1.35 mm thick | – | " – " | (.0532 in.) |
| | P31793 | 1.40 mm thick | – | " – " | (.0552 in.) |
| | P31794 | 1.45 mm thick | – | " – " | (.0571 in.) |
| | P31795 | 1.50 mm thick | – | " – " | (.0591 in.) |
| | P31796 | 1.55 mm thick | – | " – " | (.0611 in.) |
| | P31797 | 1.60 mm thick | – | " – " | (.0630 in.) |
| | P31798 | 1.65 mm thick | – | " – " | (.0650 in.) |
| | P31799 | 1.70 mm thick | – | " – " | (.0670 in.) |
| | P31800 | 1.75 mm thick | – | " – " | (.0689 in.) |
| | P31801 | 1.80 mm thick | – | " – " | (.0709 in.) |
| | P31802 | 1.85 mm thick | – | " – " | (.0729 in.) |
| | P31803 | 1.90 mm thick | – | " – " | (.0748 in.) |
| | P31804 | 1.95 mm thick | – | " – " | (.0768 in.) |
| | P31805 | 2.00 mm thick | – | " – " | (.0788 in.) |
| | P31806 | 2.05 mm thick | – | " – " | (.0807 in.) |
| | P31807 | 2.10 mm thick | – | " – " | (.0827 in.) |
| | P31808 | 2.15 mm thick | – | " – " | (.0847 in.) |
| | P31809 | 2.20 mm thick | – | " – " | (.0867 in.) |
| | P31810 | 2.25 mm thick | – | " – " | (.0886 in.) |
| | P31811 | 2.30 mm thick | – | " – " | (.0906 in.) |
| | P31812 | 2.35 mm thick | – | " – " | (.0926 in.) |
| | P31813 | 2.40 mm thick | – | " – " | (.0945 in.) |
| | P31814 | 2.45 mm thick | – | " – " | (.0965 in.) |
| | P31815 | 2.50 mm thick | – | " – " | (.0985 in.) |
| | P31816 | 2.55 mm thick | – | " – " | (.1004 in.) |
| | P31817 | 2.60 mm thick | – | " – " | (.1024 in.) |
| | P31818 | 2.65 mm thick | – | " – " | (.1044 in.) |
| | P31819 | 2.70 mm thick | – | " – " | (.1063 in.) |
| | P31820 | 2.75 mm thick | – | " – " | (.1083 in.) |
| | P31821 | 2.80 mm thick | – | " – " | (.1103 in.) |
| 12 | P31887 | Bushing | 1 | " – " | |
| 13 | P31889 | Gear, Spur | 1 | " – " | |
| 14 | P31888 | Bearing, Roller | 2 | " – " | |
| 15 | P31805 | Shim | 2 | " – " | |
| 16 | P31825 | Spring, Cup | 10 | " – " | |
| 17 | P31761 | Ball | 2 | " – " | |
| 18 | P31852 | Shaft | 1 | " – " | |
| 19 | P31832 | Ring, Snap | 1 | " – " | |
| 20 | P31826 | Ring, Snap | 2 | " – " | |
| 21 | P31827 | Shim, End | 2 | " – " | |
| 22 | P31830 | Piston | 2 | " – " | |
| 23 | P31829 | O-Ring | 2 | " – " | 120 x 3 |
| 24 | P31828 | O-Ring | 2 | " – " | 60 x 3 |
| 25 | P31831 | Carrier, Disc | 1 | " – " | |
| 26 | P31890 | Gear, Spur | 1 | " – " | |

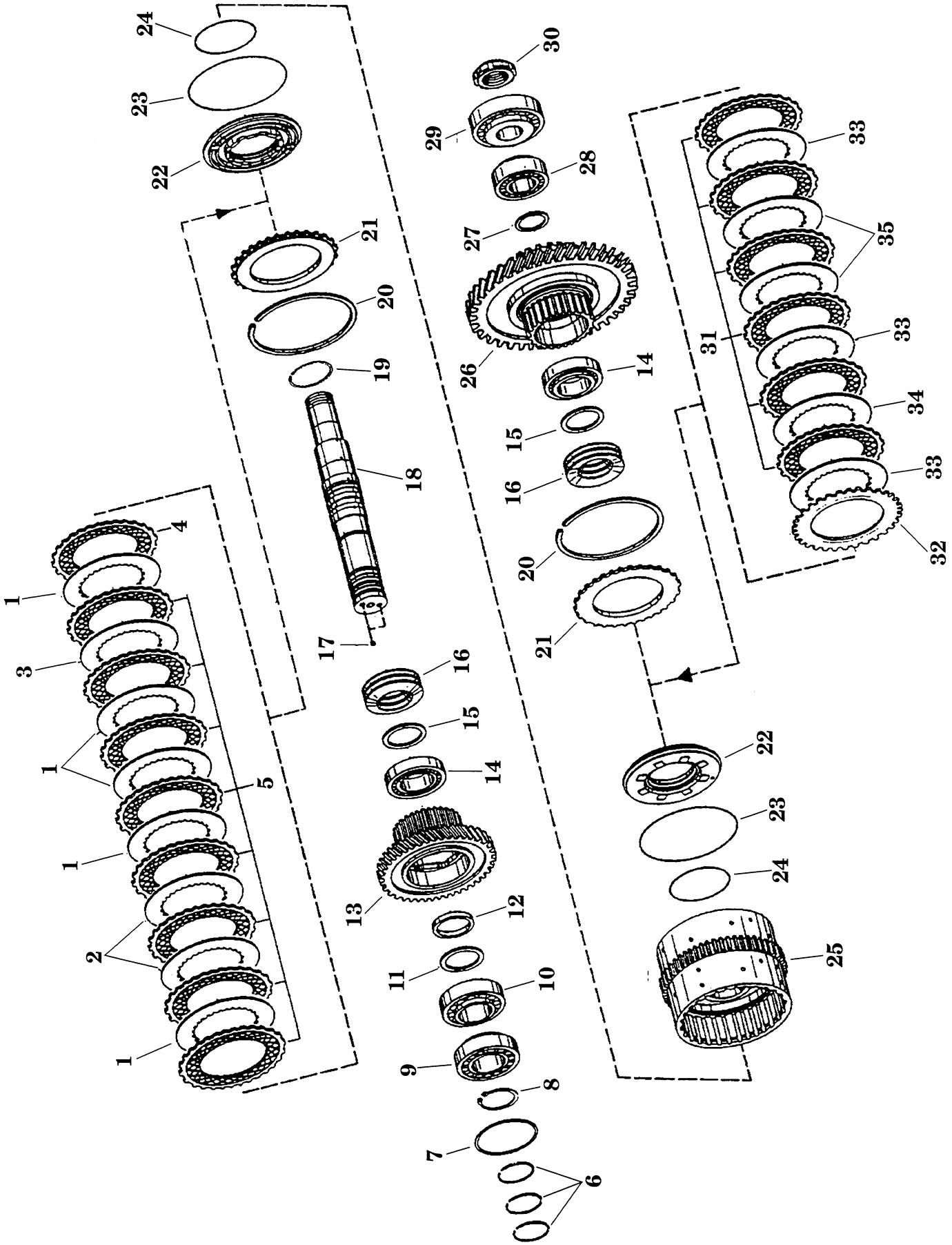



**Figure P31437-6**

# P31437-6 Clutch Pack, Reverse, 2nd Gear (3 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 27 | — | Shim | AR | " – " | |
| | P31893 | 1.00 mm thick | – | " – " | (.0394 in.) |
| | P31894 | 1.05 mm thick | – | " – " | (.0414 in.) |
| | P31895 | 1.10 mm thick | – | " – " | (.0433 in.) |
| | P31896 | 1.15 mm thick | – | " – " | (.0453 in.) |
| | P31897 | 1.20 mm thick | – | " – " | (.0473 in.) |
| | P31898 | 1.25 mm thick | – | " – " | (.0493 in.) |
| | P31899 | 1.30 mm thick | – | " – " | (.0512 in.) |
| | P31900 | 1.35 mm thick | – | " – " | (.0532 in.) |
| | P31901 | 1.40 mm thick | – | " – " | (.0552 in.) |
| | P31902 | 1.45 mm thick | – | " – " | (.0571 in.) |
| | P31903 | 1.50 mm thick | – | " – " | (.0591 in.) |
| | P31904 | 1.55 mm thick | – | " – " | (.0611 in.) |
| | P31905 | 1.60 mm thick | – | " – " | (.0630 in.) |
| | P31906 | 1.65 mm thick | – | " – " | (.0650 in.) |
| | P31907 | 1.70 mm thick | – | " – " | (.0670 in.) |
| | P31908 | 1.75 mm thick | – | " – " | (.0689 in.) |
| | P31909 | 1.80 mm thick | – | " – " | (.0709 in.) |
| 28 | P31891 | Bearing, Roller | 1 | " – " | |
| 29 | P31892 | Bearing, Roller | 1 | " – " | |
| 30 | P31910 | Nut, Slotted | 1 | " – " | |
| 31 | P31850 | Disc, Outer Clutch | 6 | " – " | |
| 32 | P31851 | Disc, Outer Clutch | 1 | " – " | |
| 33 | P31847 | Disc, Inner Clutch (2.0 mm thick) | 3 | " – " | (.0788 in.) |
| 34 | — | Disc, Inner Clutch | AR | " – " | |
| | P31847 | 2.0 mm thick | – | " – " | (.0788 in.) |
| | P31848 | 1.5 mm thick | – | " – " | (.0591 in.) |
| | P31849 | 2.5 mm thick | – | " – " | (.0985 in.) |
| 35 | P31848 | Disc, Inner Clutch (1.5 mm thick) | 2 | " – " | (.0591 in.) |

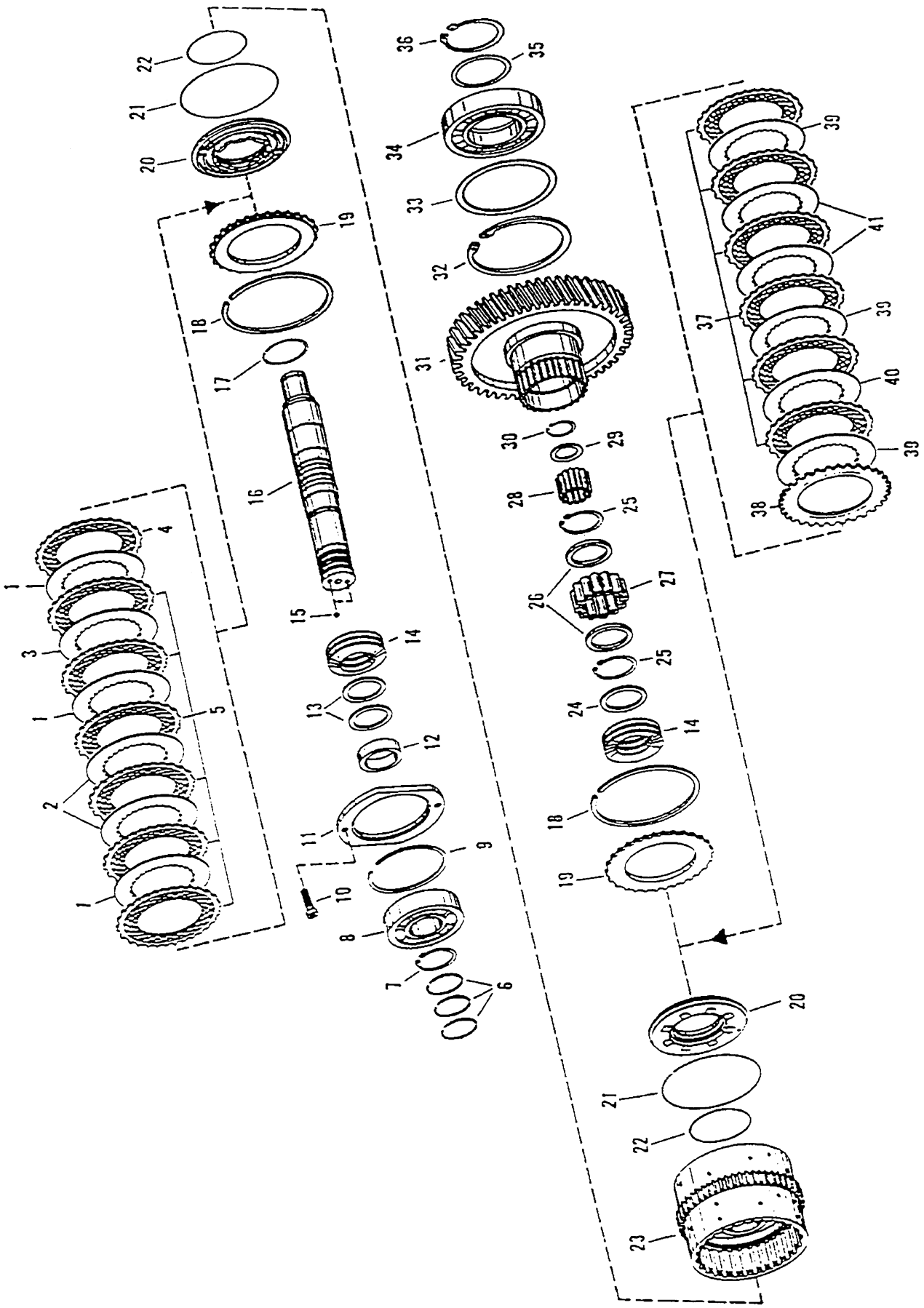



Figure P31437-7

# P31437-7 Clutch Pack, 3rd Gear (1of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31847 | Disc, Inner Clutch (2.0 mm thick) | 5 | 3090, 3091, 3093– | (.0788 in.) |
| 2 | P31848 | Disc, Inner Clutch (1.5 mm thick) | 2 | " – " | (.0591 in.) |
| 3 | — | Disc, Inner Clutch | AR | " – " | |
| | P31847 | 2.0 mm thick | – | " – " | (.0788 in.) |
| | P31848 | 1.5 mm thick | – | " – " | (.0591 in.) |
| | P31849 | 2.5 mm thick | – | " – " | (.0985 in.) |
| 4 | P31851 | Disc, Outer Clutch | 1 | " – " | |
| 5 | P31850 | Disc, Outer Clutch | 8 | " – " | |
| 6 | P31788 | Ring, Piston | 3 | " – " | 45 x 2.5 |
| 7 | P31789 | Ring, Retaining | 1 | " – " | 45 x 1.75 |
| 8 | P31912 | Bearing, Ball | 1 | " – " | |
| 9 | P31913 | Ring, Snap | 1 | " – " | |
| 10 | P31740 | Cap Screw | 2 | " – " | M8 x 35 |
| 11 | P31914 | Washer | 1 | " – " | |
| 12 | P31915 | Bushing | 1 | " – " | |
| 13 | — | Shim | AR | " – " | |
| | P31791 | 1.30 mm thick | – | " – " | (.0512 in.) |
| | P31792 | 1.35 mm thick | – | " – " | (.0532 in.) |
| | P31793 | 1.40 mm thick | – | " – " | (.0552 in.) |
| | P31794 | 1.45 mm thick | – | " – " | (.0571 in.) |
| | P31795 | 1.50 mm thick | – | " – " | (.0591 in.) |
| | P31796 | 1.55 mm thick | – | " – " | (.0611 in.) |
| | P31797 | 1.60 mm thick | – | " – " | (.0630 in.) |
| | P31798 | 1.65 mm thick | – | " – " | (.0650 in.) |
| | P31799 | 1.70 mm thick | – | " – " | (.0670 in.) |
| | P31800 | 1.75 mm thick | – | " – " | (.0689 in.) |
| | P31801 | 1.80 mm thick | – | " – " | (.0709 in.) |
| | P31802 | 1.85 mm thick | – | " – " | (.0729 in.) |
| | P31803 | 1.90 mm thick | – | " – " | (.0748 in.) |
| | P31804 | 1.95 mm thick | – | " – " | (.0768 in.) |
| | P31805 | 2.00 mm thick | – | " – " | (.0788 in.) |
| | P31806 | 2.05 mm thick | – | " – " | (.0807 in.) |
| | P31807 | 2.10 mm thick | – | " – " | (.0827 in.) |
| | P31808 | 2.15 mm thick | – | " – " | (.0847 in.) |
| | P31809 | 2.20 mm thick | – | " – " | (.0867 in.) |
| | P31810 | 2.25 mm thick | – | " – " | (.0886 in.) |
| | P31811 | 2.30 mm thick | – | " – " | (.0906 in.) |
| | P31812 | 2.35 mm thick | – | " – " | (.0926 in.) |
| | P31813 | 2.40 mm thick | – | " – " | (.0945 in.) |
| | P31814 | 2.45 mm thick | – | " – " | (.0965 in.) |
| | P31815 | 2.50 mm thick | – | " – " | (.0985 in.) |
| | P31816 | 2.55 mm thick | – | " – " | (.1004 in.) |
| | P31817 | 2.60 mm thick | – | " – " | (.1024 in.) |
| | P31818 | 2.65 mm thick | – | " – " | (.1044 in.) |
| | P31819 | 2.70 mm thick | – | " – " | (.1063 in.) |
| | P31820 | 2.75 mm thick | – | " – " | (.1083 in.) |
| | P31821 | 2.80 mm thick | – | " – " | (.1103 in.) |
| 14 | P31825 | Spring, Cup | 5 | " – " | |

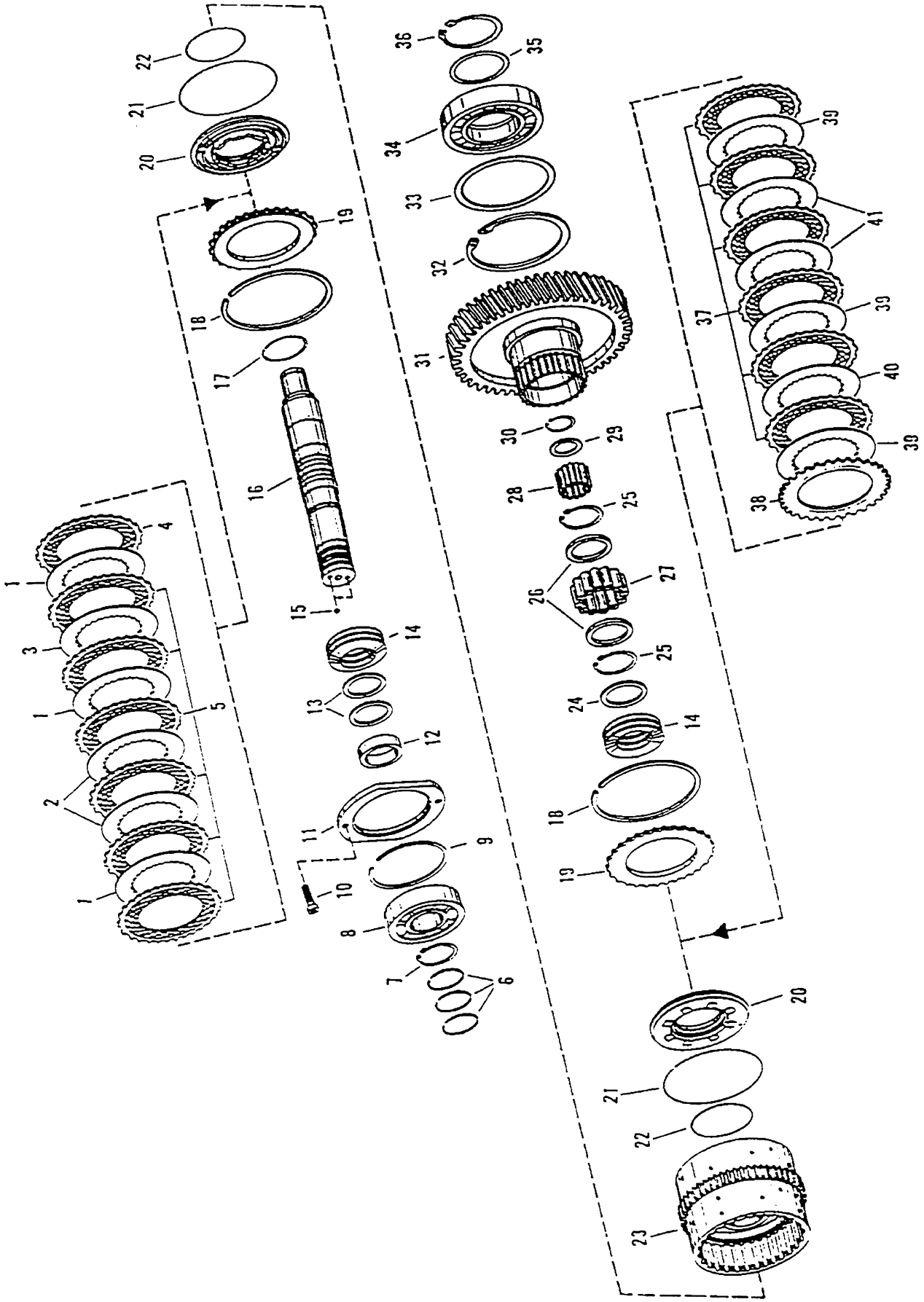



**Figure P31437-7**

# P31437-7 Clutch Pack, 3rd Gear (2 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 15 | P31761 | Ball | 2 | " – " | |
| 16 | P31911 | Shaft | 1 | " – " | |
| 17 | P31832 | Ring, Snap | 1 | " – " | |
| 18 | P31826 | Ring, Snap | 1 | " – " | |
| 19 | P31827 | Shim, End | 1 | " – " | |
| 20 | P31830 | Piston | 1 | " – " | |
| 21 | P31829 | O-Ring | 1 | " – " | 120 x 3 |
| 22 | P31828 | O-Ring | 1 | " – " | 60 x 3 |
| 23 | P31916 | Carrier, Disc | 1 | " – " | |
| 24 | — | Shim | AR | " – " | |
| | P31919 | 3.40 mm thick | – | " – " | (.1339 in.) |
| | P31920 | 1.60 mm thick | – | " – " | (.0630 in.) |
| 25 | P31921 | Ring, Retaining | 2 | " – " | 48 x 1.75 |
| 26 | P31922 | Washer, Thrust | 2 | " – " | |
| 27 | P31918 | Cage, Roller | 1 | " – " | |
| 28 | P31950 | Cage, Needle | 1 | " – " | |
| 29 | P31951 | Shim | 1 | " – " | |
| 30 | P31952 | Ring, Retaining | 1 | " – " | 30 x 1.5 |
| 31 | P31917 | Gear, Spur | 1 | " – " | |
| 32 | P31928 | Ring, Retaining | 1 | " – " | 120 x 4 |
| 33 | — | Washer | AR | " – " | |
| | P31929 | 1.00 mm thick | – | " – " | (.0394 in.) |
| | P31930 | 1.05 mm thick | – | " – " | (.0414 in.) |
| | P31931 | 1.10 mm thick | – | " – " | (.0433 in.) |
| | P31932 | 1.15 mm thick | – | " – " | (.0453 in.) |
| | P31933 | 1.20 mm thick | – | " – " | (.0473 in.) |
| | P31934 | 1.25 mm thick | – | " – " | (.0493 in.) |
| | P31935 | 1.30 mm thick | – | " – " | (.0512 in.) |
| | P31936 | 1.35 mm thick | – | " – " | (.0532 in.) |
| | P31937 | 1.40 mm thick | – | " – " | (.0552 in.) |
| 34 | P31927 | Bearing, Roller | 1 | " – " | |

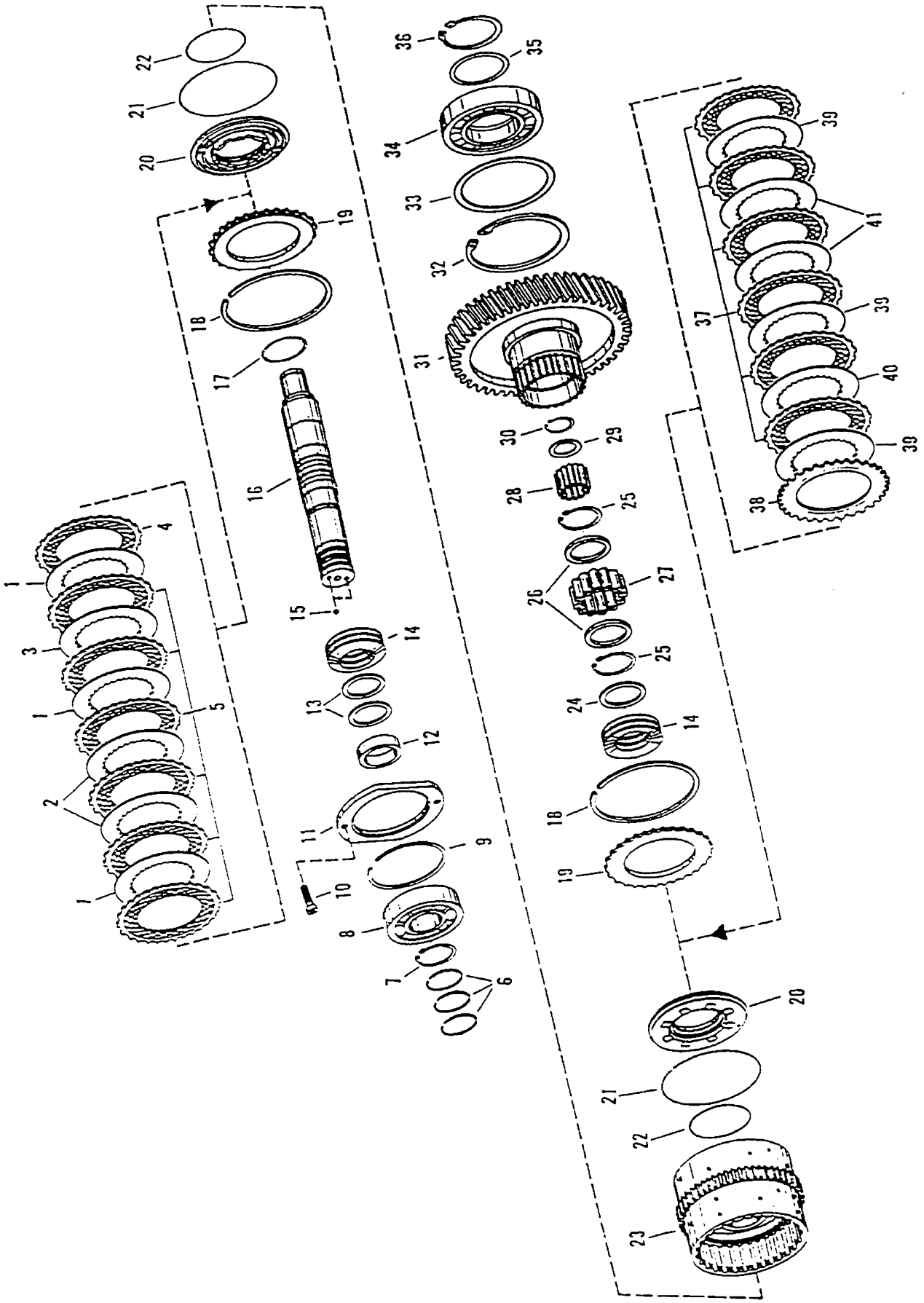



Figure P31437-7

# P31437-7 Clutch Pack, 3rd Gear (3 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 35 | — | Shim | AR | " – " | |
| | P31938 | 0.80 mm thick | – | " – " | (.0315 in.) |
| | P31939 | 0.85 mm thick | – | " – " | (.0335 in.) |
| | P31940 | 0.90 mm thick | – | " – " | (.0355 in.) |
| | P31941 | 0.95 mm thick | – | " – " | (.0374 in.) |
| | P31942 | 1.00 mm thick | – | " – " | (.0394 in.) |
| | P31943 | 1.05 mm thick | – | " – " | (.0414 in.) |
| | P31944 | 1.10 mm thick | – | " – " | (.0433 in.) |
| | P31945 | 1.15 mm thick | – | " – " | (.0453 in.) |
| | P31946 | 1.20 mm thick | – | " – " | (.0473 in.) |
| | P31947 | 1.25 mm thick | – | " – " | (.0493 in.) |
| | P31948 | 1.30 mm thick | – | " – " | (.0512 in.) |
| 36 | P31949 | Ring, Retaining | 1 | " – " | 65 x 2.5 |
| 37 | P31850 | Disc, Outer Clutch | 6 | " – " | |
| 38 | P31851 | Disc, Outer Clutch | 1 | " – " | |
| 39 | P31847 | Disc, Inner Clutch (2.0 mm thick) | 3 | " – " | (.0788 in.) |
| 40 | — | Disc, Inner Clutch | AR | " – " | |
| | P31847 | 2.0 mm thick | – | " – " | (.0788 in.) |
| | P31848 | 1.5 mm thick | – | " – " | (.0591 in.) |
| | P31849 | 2.5 mm thick | – | " – " | (.0985 in.) |
| 41 | P31848 | Disc, Inner Clutch (1.5 mm thick) | 2 | " – " | (.0591 in.) |

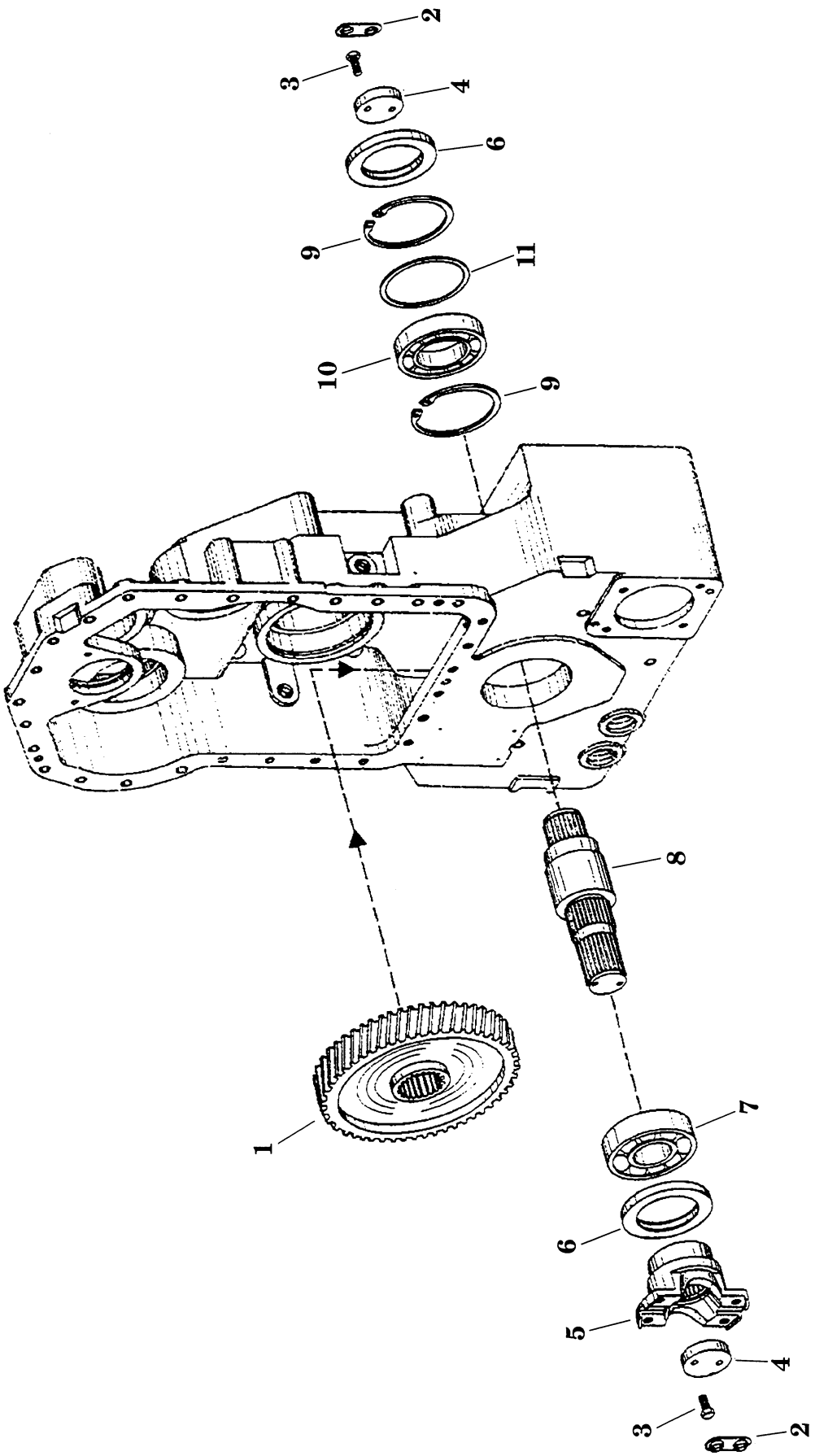



**Figure P31437-8**

# P31437-8 Output

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31954 | Gear, Output | 1 | 3090, 3091, 3093– | |
| 2 | P31958 | Washer, Tab | 2 | " – " | |
| 3 | P31959 | Screw, Hx. | 4 | " – " | M8x25 |
| 4 | P31957 | Washer | 2 | " – " | |
| 5 | P31956 | Flange, Input | 1 | " – " | |
| 6 | P31977 | Seal, Shaft | 2 | " – " | |
| 7 | P31955 | Bearing, Ball | 1 | " – " | |
| 8 | P31953 | Shaft, Output | 1 | " – " | |
| 9 | P31961 | Ring, Retaining | 2 | " – " | 100 x 3 |
| 10 | P31960 | Bearing, Ball | 1 | " – " | |
| 11 | — | Shim | AR | " – " | |
| | P31962 | 1.00 mm thick | – | " – " | (.0394 in.) |
| | P31963 | 1.05 mm thick | – | " – " | (.0414 in.) |
| | P31964 | 1.10 mm thick | – | " – " | (.0433 in.) |
| | P31965 | 1.15 mm thick | – | " – " | (.0453 in.) |
| | P31966 | 1.20 mm thick | – | " – " | (.0473 in.) |
| | P31967 | 1.25 mm thick | – | " – " | (.0493 in.) |
| | P31968 | 1.30 mm thick | – | " – " | (.0512 in.) |
| | P31969 | 1.35 mm thick | – | " – " | (.0532 in.) |
| | P31970 | 1.40 mm thick | – | " – " | (.0552 in.) |
| | P31971 | 1.45 mm thick | – | " – " | (.0571 in.) |
| | P31972 | 1.50 mm thick | – | " – " | (.0591 in.) |
| | P31973 | 1.55 mm thick | – | " – " | (.0611 in.) |
| | P31974 | 1.60 mm thick | – | " – " | (.0630 in.) |
| | P31975 | 1.65 mm thick | – | " – " | (.0650in.) |
| | P31976 | 1.70 mm thick | – | " – " | (.0670 in.) |

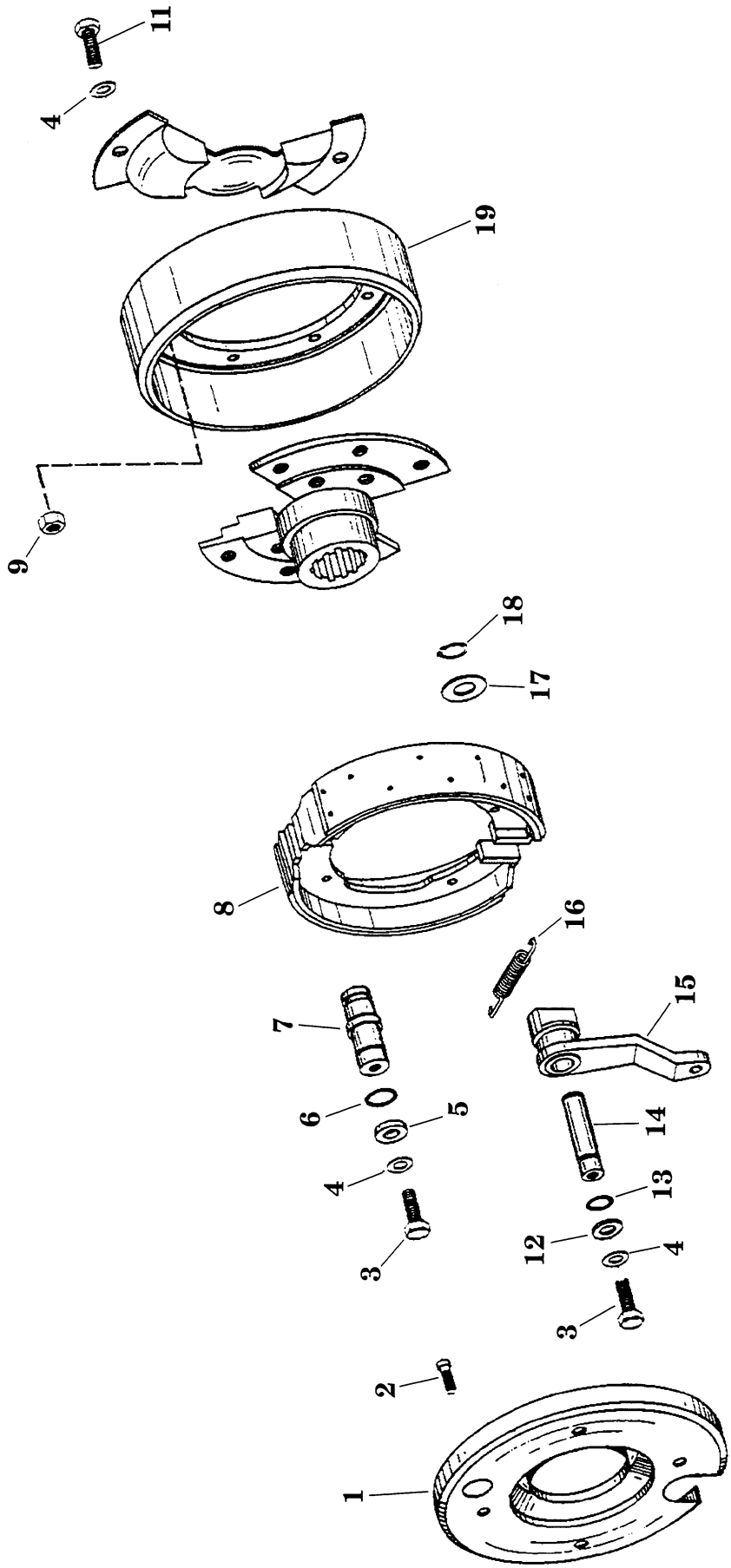



**Figure P31437-9**

# P31437-9 Brake

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32096 | Plate, Cover | 1 | 3090, 3091, 3093– | |
| 2 | P31980 | Cap Screw | 4 | " – " | M6 x 10 |
| 3 | P32101 | Screw, Hx. | 2 | " – " | M10 x 22 |
| 4 | P32095 | Washer, 10.5 mm thick | 9 | " – " | |
| 5 | P32099 | Washer | 1 | " – " | |
| 6 | P31979 | O-Ring | 1 | " – " | 25.3 x 2.4 |
| 7 | P31984 | Pin, Anchor | 1 | " – " | |
| 8 | P31982 | Coupling, Brake Shoe | 2 | " – " | without Asbestos |
| 9 | P31751 | Nut, Hx. | 2 | " – " | M10 |
| NI | P31981 | Coupling, Brake | 1 | " – " | Incl. Items 7, 8, 14 - 18 |
| 11 | P32094 | Screw, Hx. | 8 | " – " | M10 x 25 |
| 12 | P32100 | Washer | 1 | " – " | |
| 13 | P31978 | O-Ring | 1 | " – " | 17.3 x 2.4 |
| 14 | P31985 | Pin | 1 | " – " | |
| 15 | P31988 | Brake Cam | 1 | " – " | |
| 16 | P31983 | Spring, Tension | | " – " | |
| 17 | P31986 | Washer | 1 | " – " | |
| 18 | P31987 | Circlip | 1 | " – " | |
| 19 | P32093 | Drum, Brake | 1 | " – " | |

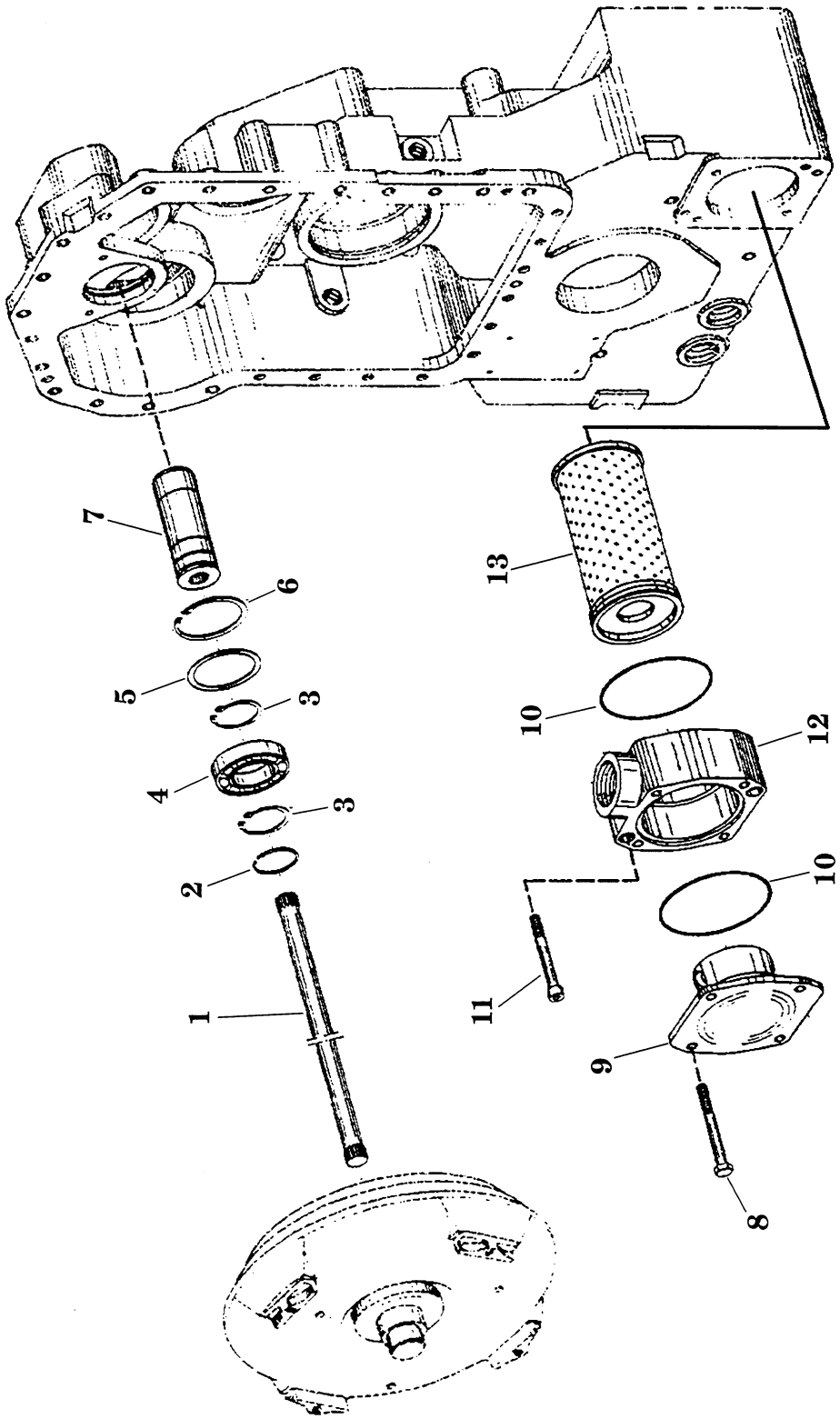



**Figure P31437-10**

# P31437-10 Power Take Off and Filter

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31989 | Shaft, Central | 1 | 3090, 3091, 3093– | |
| 2 | P31733 | Ring, Piston | 1 | " – " | 40 x 2.5 |
| 3 | P31845 | Ring, Retaining | 2 | " – " | 40 x 1.75 |
| 4 | P31991 | Bearing, Ball | 1 | " – " | |
| 5 | — | Shim | AR | " – " | |
| | P31992 | 1.00 mm thick | – | " – " | (.0394 in.) |
| | P31993 | 1.05 mm thick | – | " – " | (.0414 in.) |
| | P31994 | 1.10 mm thick | – | " – " | (.0433 in.) |
| | P31995 | 1.15 mm thick | – | " – " | (.0453 in.) |
| | P31996 | 1.20 mm thick | – | " – " | (.0473 in.) |
| | P31997 | 1.25 mm thick | – | " – " | (.0493 in.) |
| | P31998 | 1.30 mm thick | – | " – " | (.0512 in.) |
| | P31999 | 1.35 mm thick | – | " – " | (.0532 in.) |
| | P32000 | 1.40 mm thick | – | " – " | (.0552 in.) |
| | P32001 | 1.45 mm thick | – | " – " | (.0571 in.) |
| | P32002 | 1.50 mm thick | – | " – " | (.0591 in.) |
| | P32003 | 1.55 mm thick | – | " – " | (.0611 in.) |
| | P32004 | 1.60 mm thick | – | " – " | (.0630 in.) |
| 6 | P32005 | Ring, Retaining | 1 | " – " | 68 x 2.5 |
| 7 | P31990 | Bushing | 1 | " – " | |
| 8 | P04114 | Screw, Hx. | 4 | " – " | M8 x 75 |
| 9 | P31924 | Cover | 1 | " – " | |
| 10 | P31925 | O-Ring | 2 | " – " | 98 x 4 |
| 11 | P04111 | Cap Screw | 2 | " – " | M8 x 60 |
| 12 | P31923 | Fixture, Holding | 1 | " – " | |
| 13 | P31926 | Filter | 1 | " – " | |
| NI | P32083 | Cap, Sealing | 1 | " – " | |

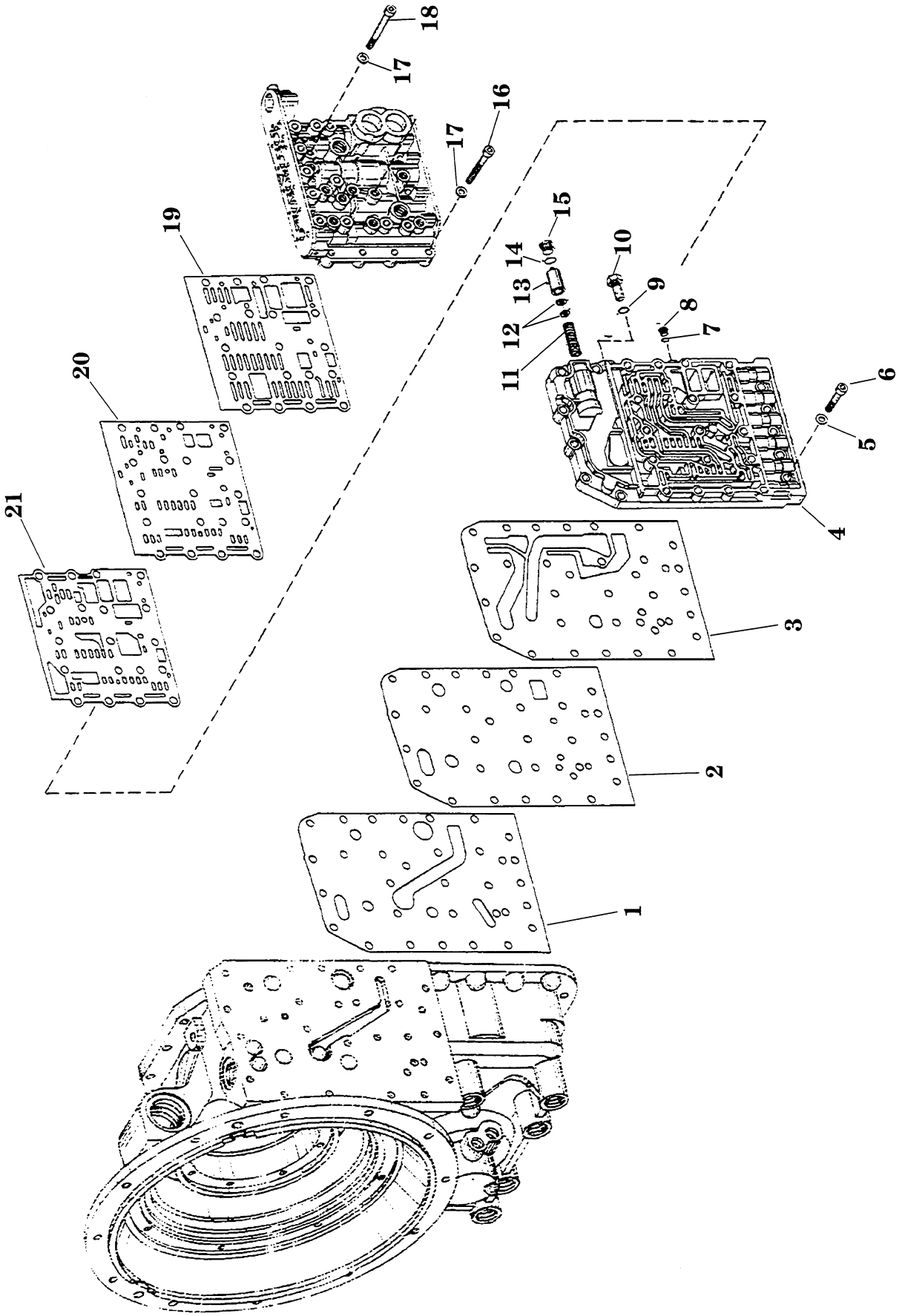



**Figure P31437-11**

# P31437-11 Gearshift System

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32006 | Gasket | 1 | 3090, 3091, 3093– | |
| 2 | P32007 | Plate, Cover | 1 | " – " | |
| 3 | P32008 | Gasket | 1 | " – " | |
| 4 | P32009 | Plate, Duct | 1 | " – " | |
| 5 | P31710 | Washer, 8.4 mm thick | 11 | " – " | (.3307 in.) |
| 6 | P32010 | Cap Screw | 11 | " – " | M8 x 35 |
| 7 | P32018 | O-Ring | 1 | " – " | 8 x 1.5 |
| 8 | P32017 | Plug, Screw | 1 | " – " | M10 x 1 |
| 9 | P32020 | O-Ring | 1 | " – " | 11.3 x 2.4 |
| 10 | P32019 | Socket, Connecting | 1 | " – " | |
| 11 | P32023 | Spring, Compression | 1 | " – " | |
| 12 | P32022 | Washer, 6.4 mm thick | 2 | " – " | (.2520 in.) |
| 13 | P32021 | Spool, Valve | 1 | " – " | |
| 14 | P32025 | O-Ring | 1 | " – " | 17 x 2 |
| 15 | P32024 | Plug, Screw | 1 | " – " | M20 x 1.5 |
| 16 | P32014 | Screw, Cap | 16 | " – " | M8 x 65 |
| 17 | P32015 | Washer, 8.4 mm thick | 17 | " – " | (.3307 in.) |
| 18 | P32016 | Screw, Cap | 1 | " – " | M8 x 85 |
| 19 | P32013 | Gasket | 1 | " – " | |
| 20 | P32012 | Plate, Cover | 1 | " – " | |
| 21 | P32011 | Gasket | 1 | " – " | |

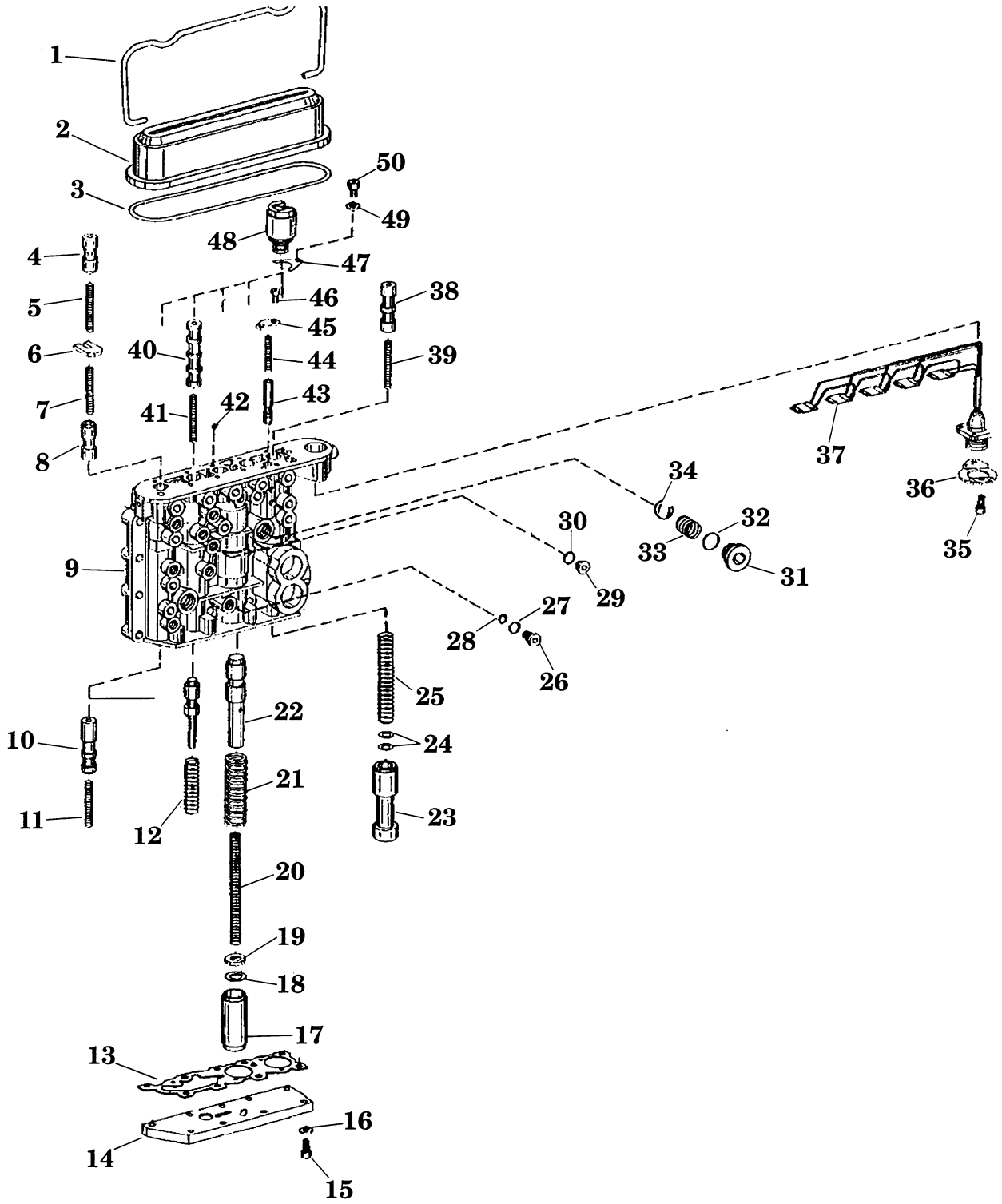



**Figure P31437-12**

# P31437-12 Gearshift Valve (1of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32070 | Bracket, Clamp | 1 | 3090, 3091, 3093– | |
| 2 | P32068 | Cover | 1 | " – " | |
| 3 | P32069 | O-Ring | 1 | " – " | 159.2 x 5.7 |
| 4 | P32050 | Piston | 1 | " – " | |
| 5 | P32049 | Spring, Compression | 1 | " – " | |
| 6 | P32048 | Plate, Stop | 1 | " – " | |
| 7 | P32049 | Spring, Compression | 1 | " – " | |
| 8 | P32050 | Piston | 1 | " – " | |
| 9 | P32026 | Housing, Valve | 1 | " – " | |
| 10 | P32051 | Piston | 1 | " – " | |
| 11 | P32049 | Spring, Compression | 1 | " – " | |
| 12 | P32047 | Spring, Compression | 1 | " – " | |
| 13 | P32052 | Gasket | 1 | " – " | |
| 14 | P32053 | Cover | 1 | " – " | |
| 15 | P32054 | Screw, Cap | 9 | " – " | M6 x 20 |
| 16 | P32015 | Washer, 6.4 mm thick | 9 | " – " | (.2520 in.) |
| 17 | P32041 | Piston | 1 | " – " | |
| 18 | — | Ring, Shim | AR | " – " | |
| | P32043 | 15 x 21 x 2 | – | " – " | |
| | P32044 | 15 x 21 x 1 | – | " – " | |
| | P32045 | 15 x 21 x 0.5 | – | " – " | |
| 19 | P32042 | Washer | 1 | " – " | |
| 20 | P32040 | Spring, Compression | 1 | " – " | |
| 21 | P32039 | Spring, Compression | 1 | " – " | |
| 22 | P32038 | Piston | 1 | " – " | |
| 23 | P32028 | Piston | 1 | " – " | |
| 24 | P32029 | Ring, Shim | 2 | " – " | 10 x 16 x 1 |
| 25 | P32027 | Spring, Compression | 1 | " – " | |
| 26 | — | Orifice | AR | " – " | |
| | P32030 | 0.60 mm thick | – | " – " | (.0237 in.) |
| | P32031 | 0.70 mm thick | – | " – " | (.0276 in.) |
| | P32032 | 0.80 mm thick | – | " – " | (.0315 in.) |
| | P32033 | 0.65 mm thick | – | " – " | (.0256 in.) |
| | P32034 | 0.75 mm thick | – | " – " | (.0296 in.) |
| | P32035 | 0.85 mm thick | – | " – " | (.0335 in.) |
| 27 | P32018 | O-Ring | 1 | " – " | 8 x 1.5 |
| 28 | P32037 | O-Ring | 1 | " – " | 6 x 1.5 |
| 29 | P32017 | Plug, Screw | 8 | " – " | M10 x 1 |
| 30 | P31709 | O-Ring | 8 | " – " | 8 x 1.5 |
| 31 | P32073 | Plug, Screw | 2 | " – " | M18 x 1.5 |
| 32 | P32018 | O-Ring | 2 | " – " | 15 x 2 |
| 33 | P32072 | Spring, Compression | 2 | " – " | |
| 34 | P32071 | Ball | 2 | " – " | |
| 35 | P32066 | Screw, Cap | 2 | " – " | M6 x 16 |
| 36 | P32067 | Plate, Fixing | 1 | " – " | |
| 37 | P32065 | Harness, Wiring | 1 | " – " | |
| 38 | P32056 | Piston | 1 | " – " | |
| 39 | P32049 | Spring, Compression | 1 | " – " | |
| 40 | P32055 | Piston | 1 | " – " | |
| 41 | P32049 | Spring, Compression | 1 | " – " | |

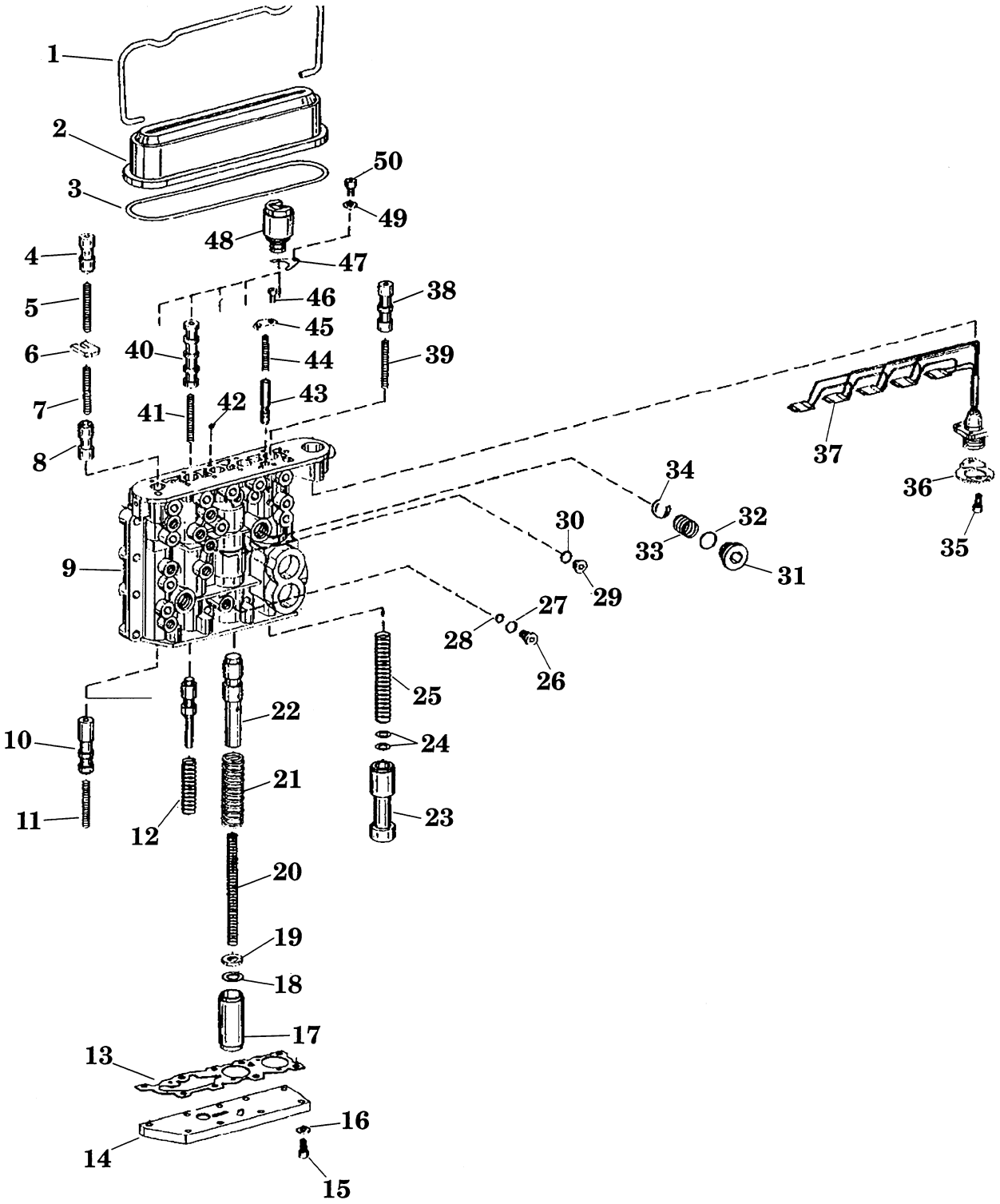



**Figure P31437-12**

# P31437-12 Gearshift Valve (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 42 | P32061 | Ball | 10 | " – " | |
| 43 | P32057 | Valve, Reduction | 1 | " – " | |
| 44 | P32058 | Spring, Compression | 1 | " – " | |
| 45 | P32059 | Plate, Fixing | 1 | " – " | |
| 46 | P32060 | Screw, Cap | 2 | " – " | M5 x 12 |
| 47 | P32063 | Plate, Fixing | 5 | " – " | |
| 48 | P32062 | Valve, Solenoid | 5 | " – " | |
| 49 | P32064 | Washer | 5 | " – " | |
| 50 | P32060 | Screw, Cap | 5 | " – " | M5 x 12 |

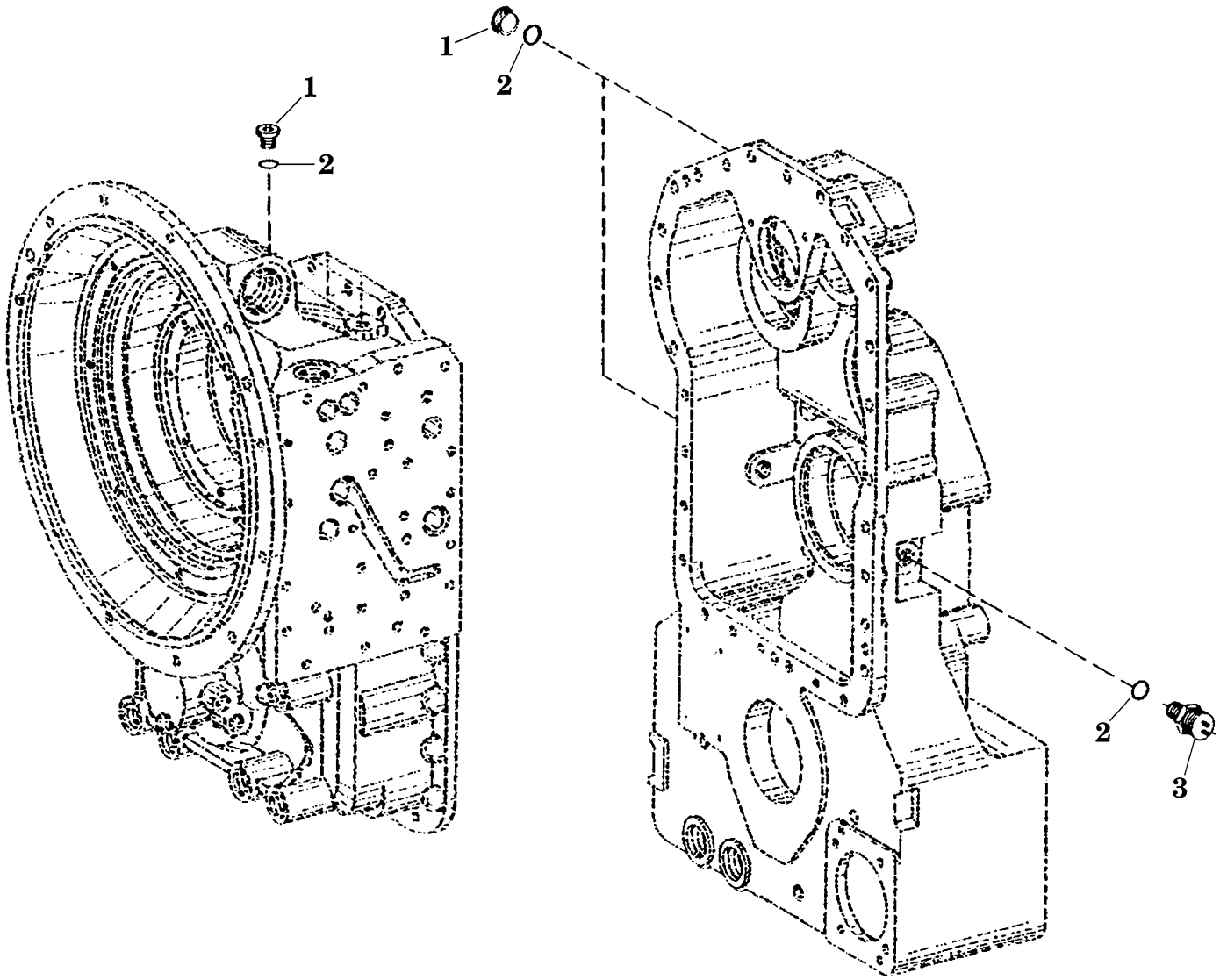



**Figure P31437-13**

# P31437-13 Pressure Regulator and Inductive Transmitter

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32076 | Plug, Screw | 4 | 3090, 3091, 3093– | M18x1.5 |
| 2 | P32018 | O-Ring | 4 | " – " | 15 x2 |
| NI | P32074 | Valve Insert | 1 | " – " | |
| NI | P32075 | Spring, Compression | 1 | " – " | |
| NI | P32071 | Ball | 1 | " – " | |
| 3 | P32077 | Transmitter, Inductive | 1 | " – " | |

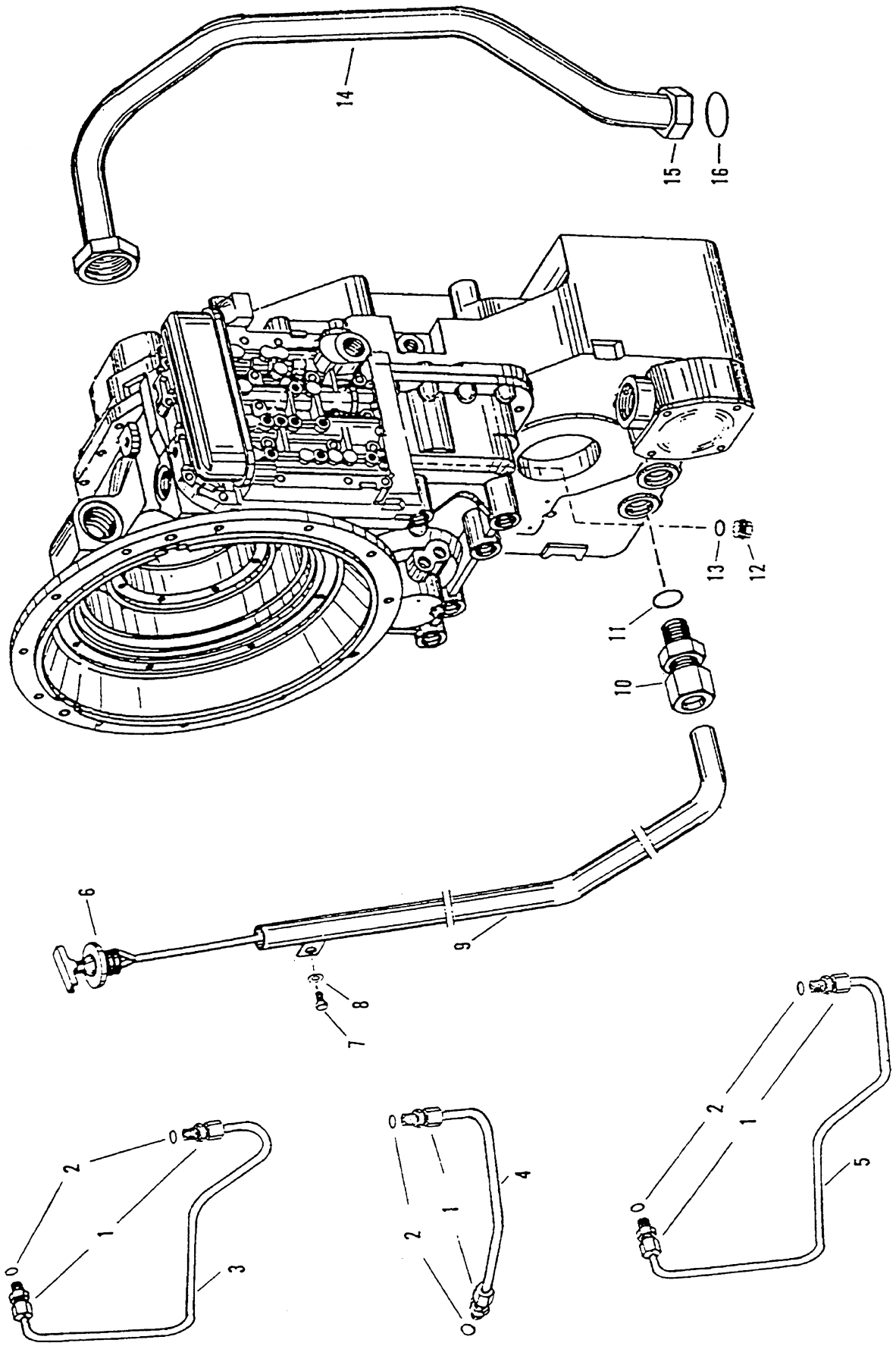



**Figure P31437-14**

# P31437-14 Oil Pipes and Dipstick

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32084 | Union, Pipe | 8 | 3090, 3091, 3093– | |
| 2 | P32085 | O-Ring | 8 | " – " | 13x2 |
| 3 | P32087 | Pipe | 1 | " – " | |
| 4 | P32088 | Pipe | 1 | " – " | |
| 5 | P32086 | Pipe | 1 | " – " | |
| 6 | P32080 | Dipstick, Oil | 1 | " – " | |
| 7 | P32081 | Screw, Hx. | 1 | " – " | M20x20 |
| 8 | P32082 | Washer | 1 | " – " | |
| 9 | P32079 | Tube, Oil Level | 1 | " – " | |
| 10 | P32078 | Union, Pipe | 1 | " – " | |
| 11 | P31743 | O-Ring | 1 | " – " | 30x2.5 |
| 12 | P32092 | Plug, Screw | 4 | " – " | M16x1.5 |
| 13 | P32085 | O-Ring | 4 | " – " | 13x2 |
| 14 | P32089 | Tube, Suction | 1 | " – " | |
| 15 | P32090 | Union, Pipe | 2 | " – " | |
| 16 | P32091 | O-Ring | 2 | " – " | 38x2.5 |

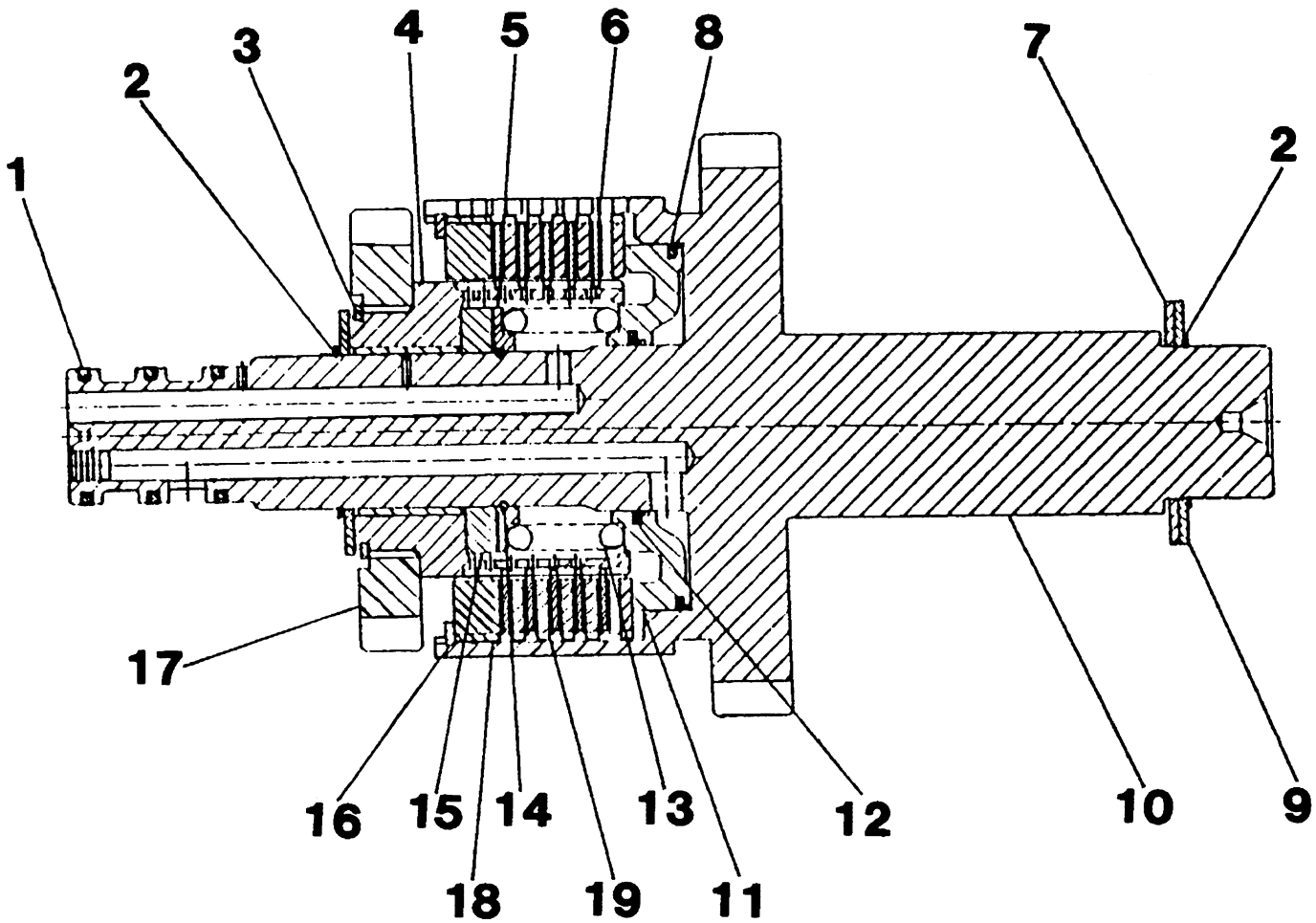



Figure P31039-1

# P31039-1 Forward Clutch Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31605 | Ring | 3 | ..... | |
| 2 | P31606 | Ring | 2 | ..... | |
| 3 | P31607 | Ring | 1 | ..... | |
| 4 | P31608 | Hub Assembly | 1 | ..... | |
| 5 | P31609 | Retainer | 1 | ..... | |
| 6 | P31610 | Disc | 5 | ..... | |
| 7 | P31634 | Washer | 1 | ..... | |
| 8 | P31612 | Ring | 1 | ..... | |
| 9 | P31615 | Disc | 2 | ..... | |
| 10 | P32883 | Shaft Assembly | 1 | ..... | |
| 11 | P31617 | Piston | 1 | ..... | |
| 12 | P31618 | Ring | 1 | ..... | |
| 13 | P31619 | Spring | 1 | ..... | |
| 14 | P31620 | Ring | 1 | ..... | |
| 15 | P32860 | Disc | 1 | ..... | |
| 16 | P31622 | Ring | 1 | ..... | |
| 17 | P31627 | Gear | 1 | ..... | |
| 18 | P31625 | Plate | 1 | ..... | |
| 19 | P31626 | Plate | 5 | ..... | |

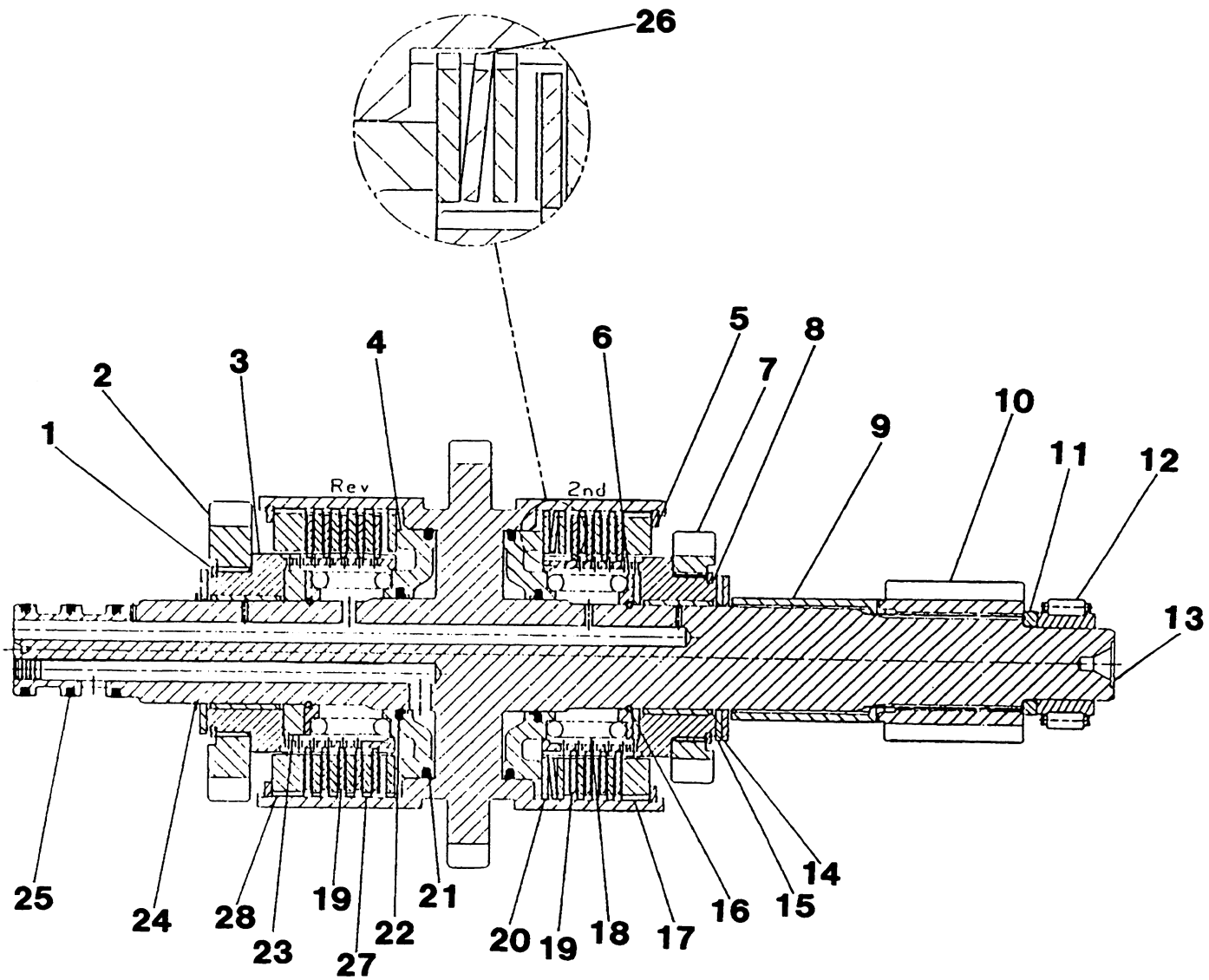



Figure P31039-2

# P31039-2 Reverse & 2nd Clutch Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31607 | Ring | 2 | ..... | |
| 2 | P31627 | Gear | 1 | ..... | |
| 3 | P31608 | Hub Assembly | 1 | ..... | |
| 4 | P31617 | Piston | 2 | ..... | |
| 5 | P31622 | Ring | 2 | ..... | |
| 6 | P31609 | Retainer | 2 | ..... | |
| 7 | P32884 | Gear | 1 | ..... | |
| 8 | P31628 | Hub Assembly | 1 | ..... | |
| 9 | P32885 | Spacer | 1 | ..... | |
| 10 | P32886 | Gear | 1 | ..... | |
| 11 | P31631 | Spacer | 1 | ..... | |
| 12 | P31632 | Bearing | 1 | ..... | |
| 13 | P32887 | Shaft Assembly | 1 | ..... | |
| 14 | P31634 | Washer | 1 | ..... | |
| 15 | P31615 | Disc | 3 | ..... | |
| 16 | P31620 | Ring | 2 | ..... | |
| 17 | P31623 | Plate | 1 | ..... | |
| 18 | P31619 | Spring | 2 | ..... | |
| 19 | P31610 | Disc | 9 | ..... | |
| 20 | P31611 | Plate | 5 | ..... | |
| 21 | P31612 | Ring | 2 | ..... | |
| 22 | P31618 | Ring | 2 | ..... | |
| 23 | P31621 | Disc | 1 | ..... | |
| 24 | P31606 | Ring | 1 | ..... | |
| 25 | P31605 | Ring | 3 | ..... | |
| 26 | P31635 | Spring | 1 | ..... | |
| 27 | P31626 | Plate | 5 | ..... | |
| 28 | P31625 | Plate | 1 | ..... | |

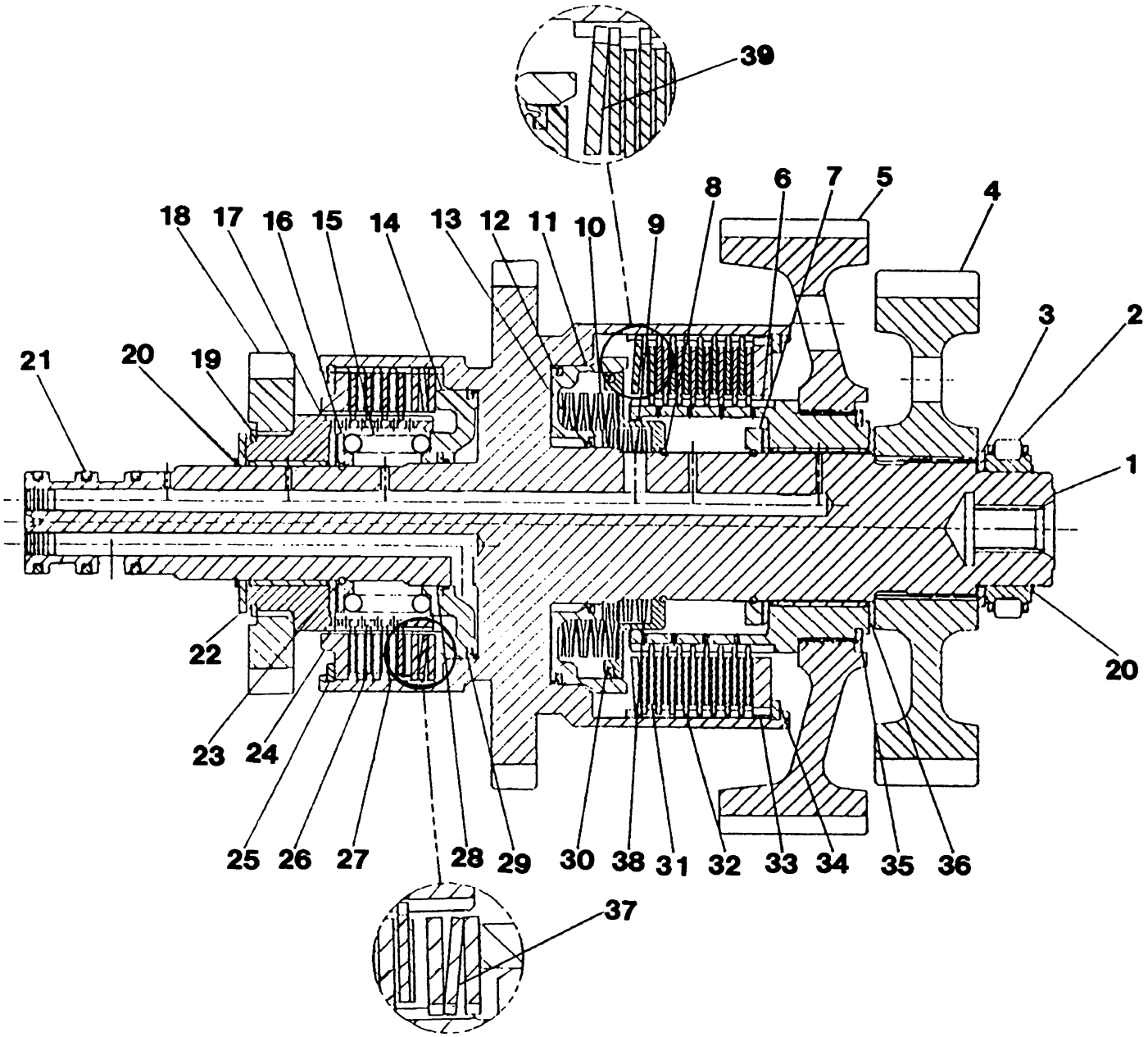



**Figure P31039-3**

# P31039-3 1st & 3rd Clutch Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32888 | Shaft Assembly | 1 | ..... | |
| 2 | P31637 | Bearing | 1 | ..... | |
| 3 | P31638 | Washer | 1 | ..... | |
| 4 | P32889 | Gear | 1 | ..... | |
| 5 | P32890 | Gear | 1 | ..... | |
| 6 | P32891 | Hub Assembly | 1 | ..... | |
| 7 | P31640 | Washer | 1 | ..... | |
| 8 | P31641 | Ring | 2 | ..... | |
| 9 | P32892 | Piston | 1 | ..... | |
| 10 | P32893 | Spring | 1 | ..... | |
| 11 | P32894 | Piston | 1 | ..... | |
| 12 | P31642 | Ring | 1 | ..... | |
| 13 | P31643 | Ring | 1 | ..... | |
| 14 | P31617 | Piston | 1 | ..... | |
| 15 | P31619 | Spring | 1 | ..... | |
| 16 | P31609 | Retainer | 1 | ..... | |
| 17 | P31628 | Hub Assembly | 1 | ..... | |
| 18 | P32895 | Gear | 1 | ..... | |
| 19 | P31607 | Ring | 1 | ..... | |
| 20 | P31606 | Ring | 2 | ..... | |
| 21 | P31605 | Ring | 3 | ..... | |
| 22 | P31615 | Disc | 2 | ..... | |
| 23 | P31620 | Ring | 1 | ..... | |
| 24 | P31645 | Plate | 1 | ..... | |
| 25 | P31622 | Ring | 1 | ..... | |
| 26 | P31610 | Disc | 4 | ..... | |
| 27 | P31611 | Plate | 5 | ..... | |
| 28 | P31618 | Ring | 1 | ..... | |
| 29 | P31612 | Ring | 1 | ..... | |
| 30 | P32896 | Ring | 1 | ..... | |
| 31 | P31646 | Disc | 8 | ..... | |
| 32 | P32897 | Plate | 8 | ..... | |
| 33 | P32898 | Plate | 1 | ..... | |
| 34 | P31648 | Ring | 1 | ..... | |
| 35 | P31649 | Ring | 1 | ..... | |
| 36 | P32700 | Disc | 2 | ..... | |
| 37 | P31635 | Spring | 1 | ..... | |
| 38 | P32899 | Spring | 1 | ..... | |
| 39 | P32701 | Spring | 1 | ..... | |

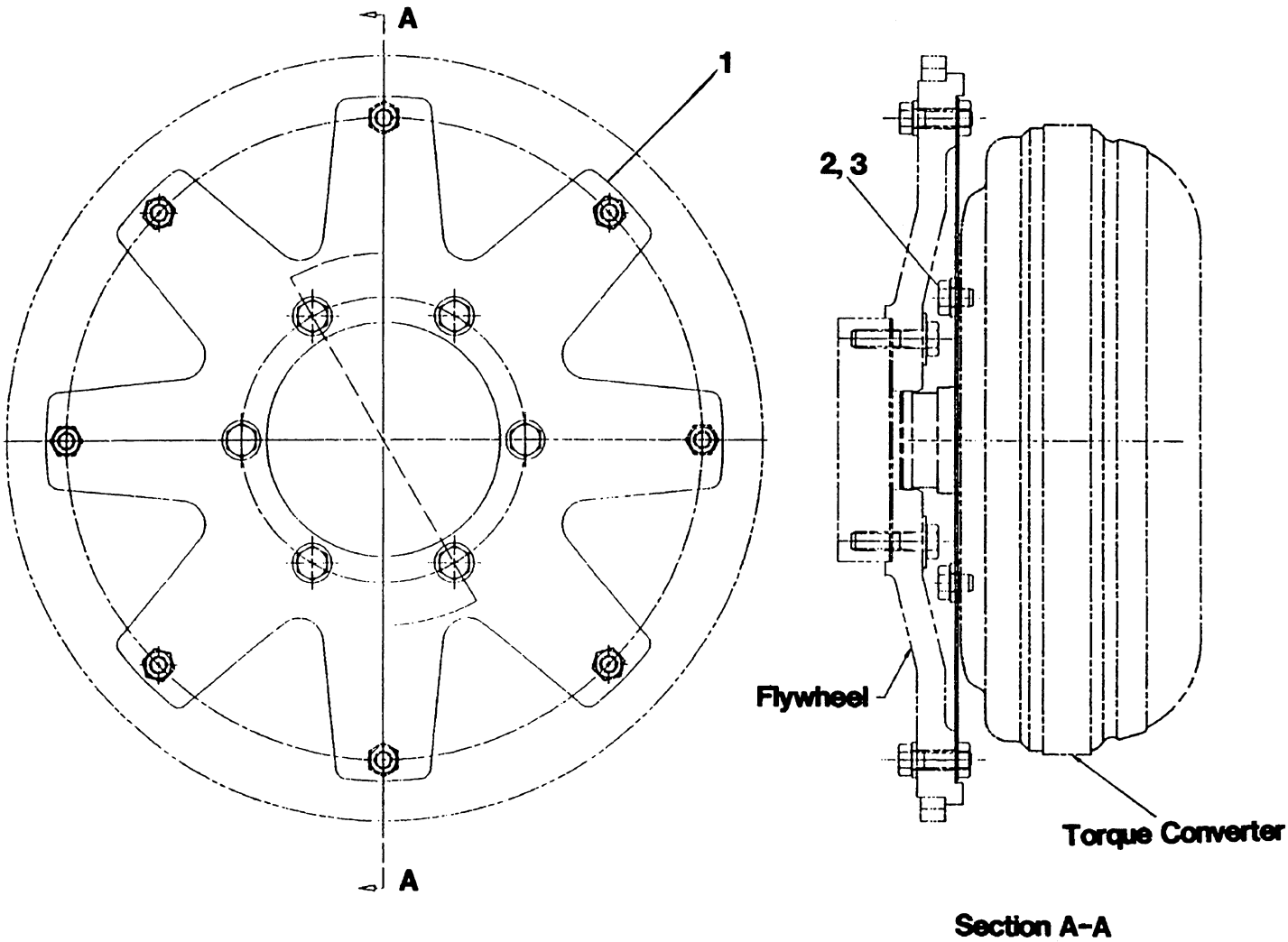



Figure P31039-4

# P31039-4 Flexible Coupling Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32709 | Plate Assembly | 1 | ..... | |
| 2 | P32710 | Bolt | 6 | ..... | |
| 3 | P32900 | Washer | 6 | ..... | |

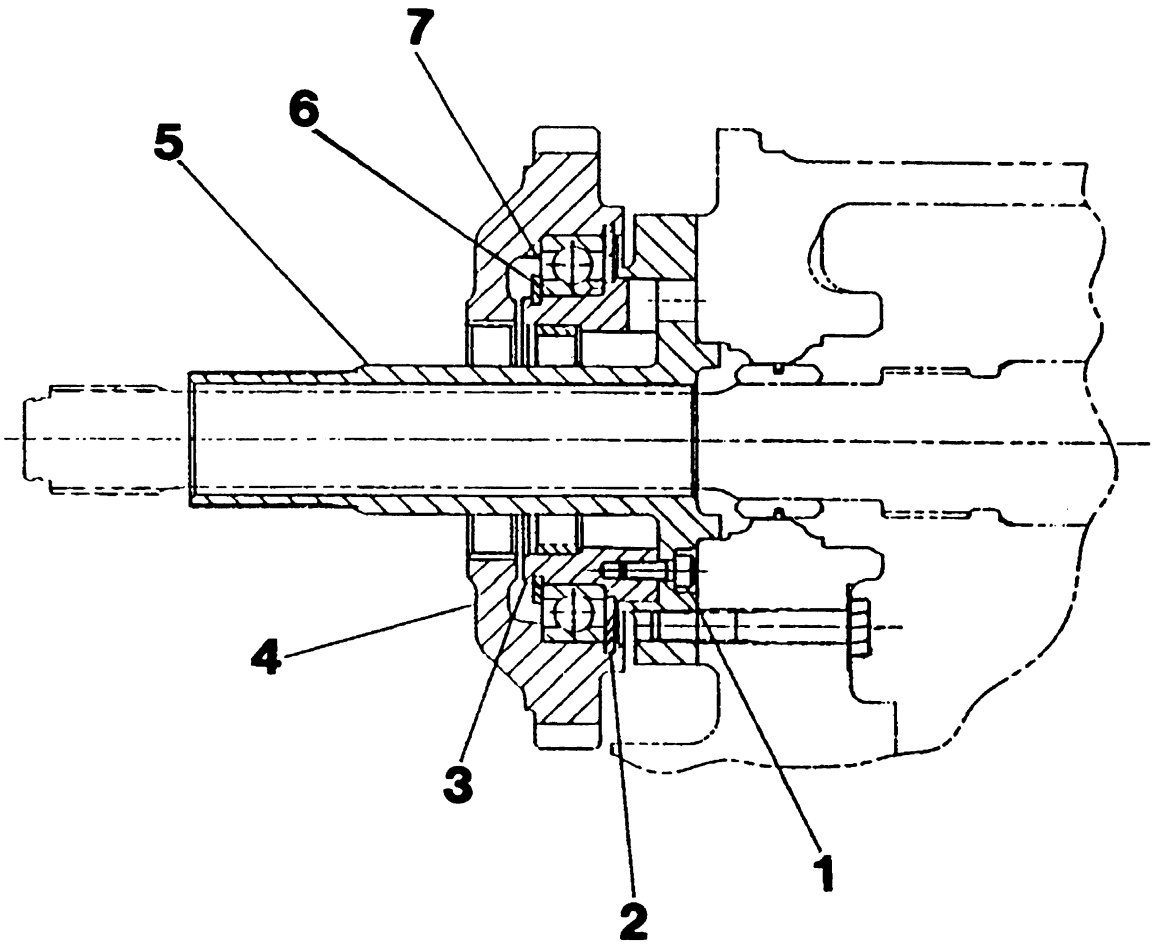
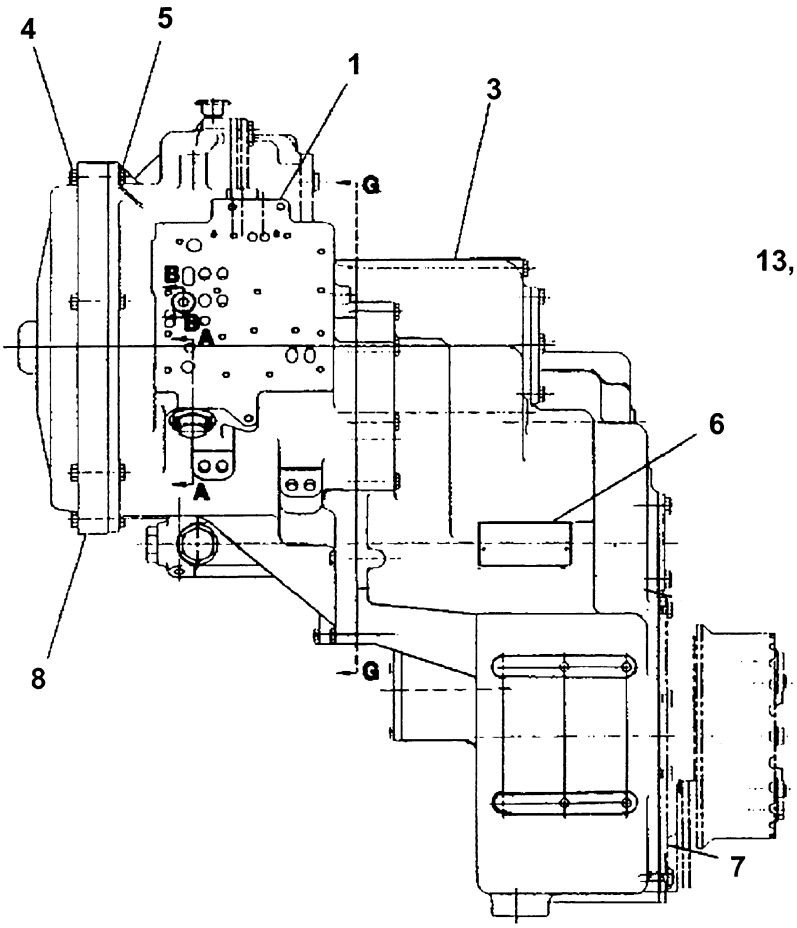
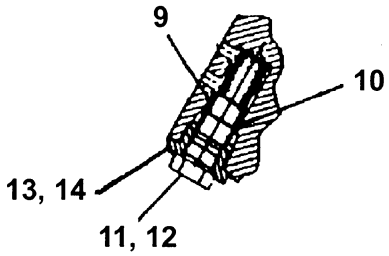



Figure P31039-5

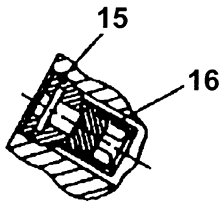
# P31039-5 Pump Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32713 | Bolt | 4 | ..... | |
| 2 | P32714 | Ring | 1 | ..... | |
| 3 | P32715 | Support Assembly | 1 | ..... | |
| 4 | P32716 | Gear | 1 | ..... | |
| 5 | P32717 | Support | 1 | ..... | |
| 6 | P32718 | Ring | 1 | ..... | |
| 7 | P32719 | Bearing | 1 | ..... | |

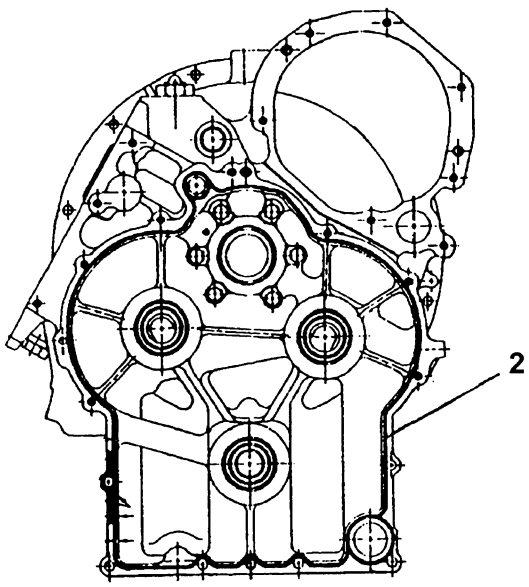



Section A–A




Section B–B




Section G–G

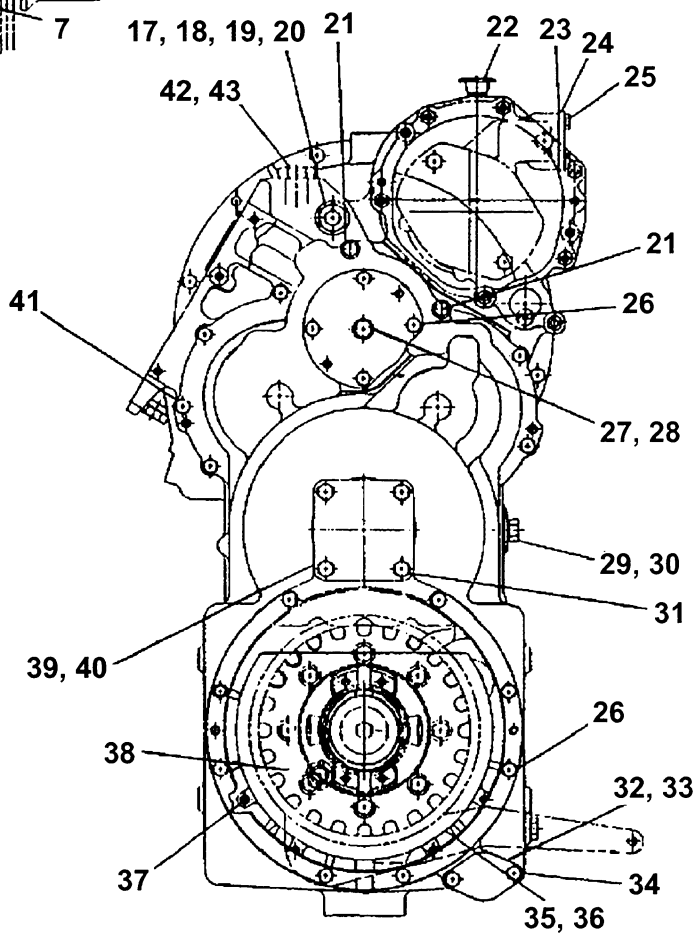



**Figure P31039-6**

# P31039-6 Case Assembly (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32720 | Cover Assembly | 1 | ..... | |
| 2 | P32721 | Sealant | 5 | ..... | |
| 3 | P32901 | Case | 1 | ..... | |
| 4 | P32794 | Nut | 6 | ..... | ❶ |
| 5 | P32795 | Bolt | 6 | ..... | ❶ |
| 6 | P32771 | Plate | 1 | ..... | |
| 7 | P32783 | Shim - Pack | 2 | ..... | |
| 8 | P32790 | Cover | 1 | ..... | ❶ |
| 9 | P32770 | Seal | 2 | ..... | |
| 10 | P32745 | Valve Group | 1 | ..... | |
| 11 | P32724 | Seal | 1 | ..... | ❶ |
| 12 | P32785 | Plug | 1 | ..... | ❶ |
| 13 | P32743 | Seal | 1 | ..... | |
| 14 | P32744 | Adapter | 1 | ..... | |
| 15 | P32769 | Seal | 1 | ..... | |
| 16 | P32759 | Valve Group | 1 | ..... | |
| 17 | P32724 | Seal | 2 | ..... | |
| 18 | P32728 | Plug | 1 | ..... | ❶ |
| 19 | P32742 | Adapter | 1 | ..... | |
| 20 | P32729 | Seal | 1 | ..... | ❶ |
| 21 | P32726 | Bolt | 2 | ..... | |
| 22 | P32725 | Breather | 1 | ..... | |
| 23 | P32793 | Gasket | 1 | ..... | ❶ |
| 24 | P32791 | Cover | 1 | ..... | ❶ |
| 25 | P32792 | Bolt | 2 | ..... | ❶ |
| 26 | P32775 | Bolt | 12 | ..... | |
| 27 | P32728 | Plug | 1 | ..... | |
| 28 | P32729 | Seal | 1 | ..... | |
| 29 | P32732 | Plug | 1 | ..... | |
| 30 | P32733 | Gasket | 1 | ..... | |
| 31 | P32734 | Bolt | 4 | ..... | |
| 32 | P32784 | Cover | 1 | ..... | ❶ |
| 33 | P32786 | Gasket | 1 | ..... | ❶ |
| 34 | P32727 | Bolt | 2 | ..... | ❶ |
| 35 | P32735 | Cover Assembly | 1 | ..... | |
| 36 | P32736 | Shield Assembly | 1 | ..... | |
| 37 | P32737 | Nut | 4 | ..... | |
| 38 | P32727 | Bolt | 3 | ..... | |
| 39 | P32789 | Cover | 1 | ..... | |
| 40 | P32739 | Gasket | 1 | ..... | |
| 41 | P32740 | Bolt | 13 | ..... | |
| 42 | P32723 | Plug | 1 | ..... | ❶ |
| 43 | P32768 | Seal | 1 | ..... | ❶ |

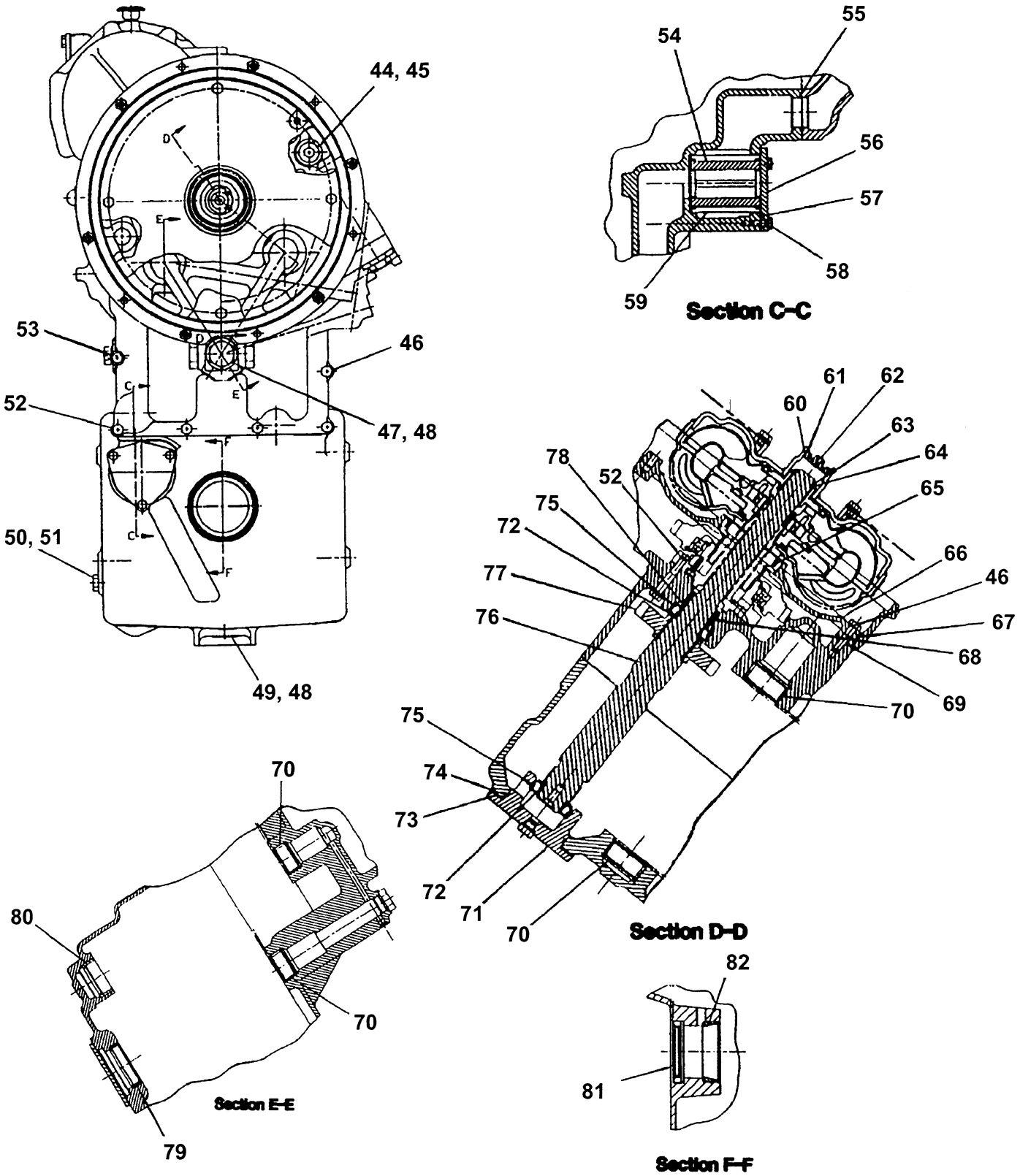



Figure P31039-6

# P31039-6 Case Assembly (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 44 | P32724 | Seal | 2 | ..... | |
| 45 | P32731 | Plug | 1 | ..... | |
| 46 | P32766 | Bolt | 8 | ..... | |
| 47 | P32723 | Plug | 3 | ..... | |
| 48 | P32768 | Seal | 4 | ..... | |
| 49 | P32767 | Plug | 1 | ..... | |
| 50 | P32788 | Plug | 1 | ..... | ❶ |
| 51 | P32787 | Seal | 1 | ..... | ❶ |
| 52 | P32740 | Bolt | 13 | ..... | |
| 53 | P32730 | Bolt | 1 | ..... | |
| 54 | P32761 | Filter | 1 | ..... | |
| 55 | P32760 | Seal | 1 | ..... | |
| 56 | P32765 | Cover | 1 | ..... | |
| 57 | P32764 | Seal | 1 | ..... | |
| 58 | P32763 | Bolt | 3 | ..... | |
| 59 | P32762 | Screen | 1 | ..... | |
| 60 | P32780 | Seal | 1 | ..... | |
| 61 | P32779 | Ring | 1 | ..... | |
| 62 | P32778 | Plug | 1 | ..... | |
| 63 | P32782 | Ring | 1 | ..... | |
| 64 | P32781 | Spacer | 1 | ..... | |
| 65 | P32758 | Seal | 1 | ..... | |
| 66 | P32756 | Cover | 1 | ..... | |
| 67 | P32777 | Seal | 1 | ..... | |
| 68 | P32757 | Ring | 1 | ..... | |
| 69 | P32776 | Seal | 4 | ..... | |
| 70 | P32748 | Bearing | 4 | ..... | |
| 71 | P32772 | Cage | 1 | ..... | |
| 72 | P32750 | Cone | 2 | ..... | |
| 73 | P32773 | Shim - Pack | 1 | ..... | |
| 74 | P32774 | Seal | 1 | ..... | |
| 75 | P32755 | Cup | 2 | ..... | |
| 76 | P32752 | Shaft | 1 | ..... | |
| 77 | P32902 | Gear | 1 | ..... | |
| 78 | P32903 | Carrier | 1 | ..... | |
| 79 | P32749 | Race | 1 | ..... | |
| 80 | P32747 | Race | 1 | ..... | |
| 81 | P32746 | Seal | 1 | ..... | |
| 82 | P32741 | Cup | 1 | ..... | |

NOTES:
❶ For shipping and storage only.

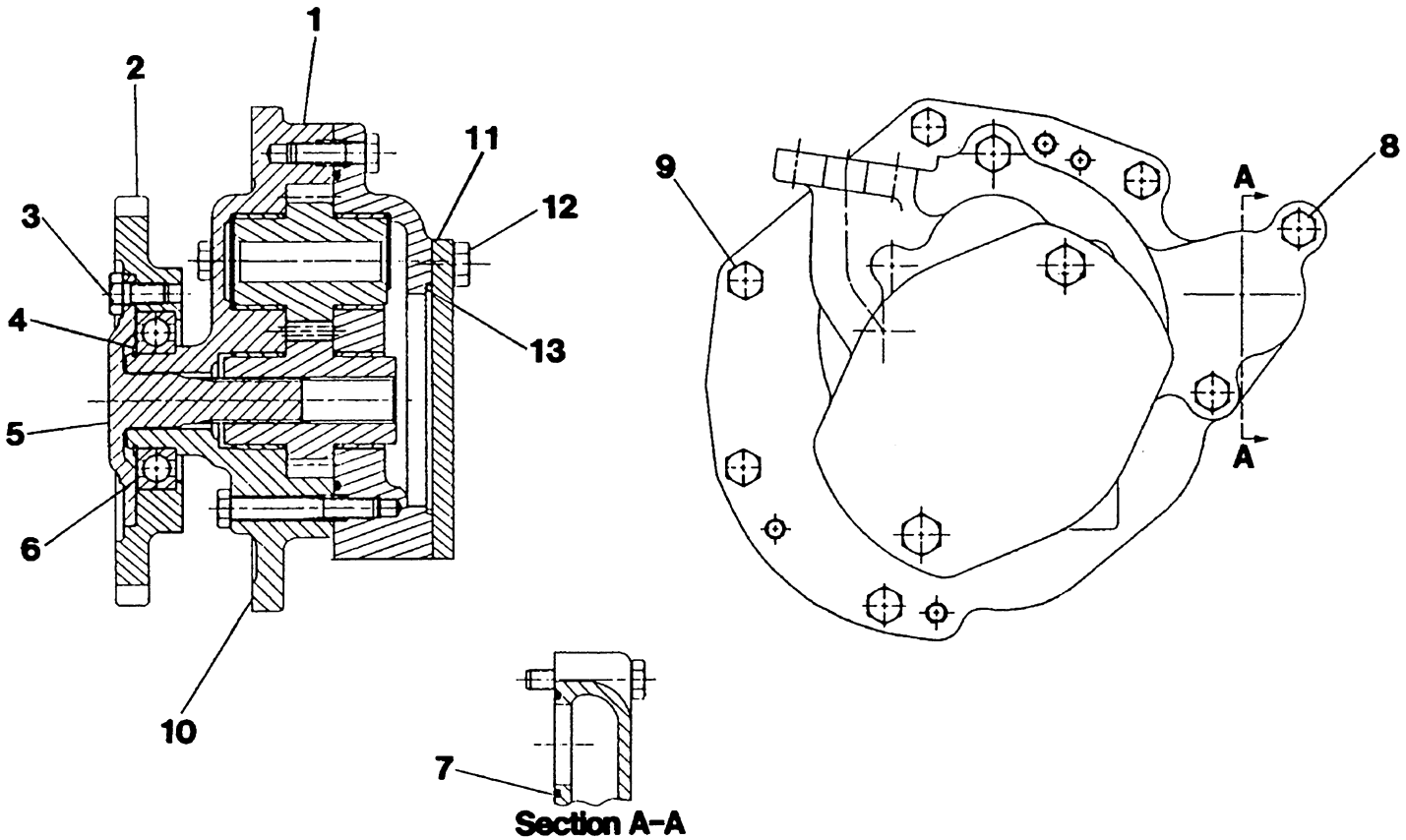



Figure P31039-7

# P31039-7 Gear Pump Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32797 | Pump Group | 1 | ..... | |
| 2 | P32798 | Gear | 1 | ..... | |
| 3 | P32727 | Bolt | 6 | ..... | |
| 4 | P32799 | Ring | 1 | ..... | |
| 5 | P32800 | Shaft | 1 | ..... | |
| 6 | P32801 | Bearing | 1 | ..... | |
| 7 | P32802 | Seal | 1 | ..... | |
| 8 | P32803 | Bolt | 2 | ..... | |
| 9 | P32775 | Bolt | 5 | ..... | |
| 10 | P32721 | Sealant | 1 | ..... | |
| 11 | P32804 | Cover | 1 | ..... | |
| 12 | P32805 | Bolt | 2 | ..... | |
| 13 | P32806 | Seal | 1 | ..... | |

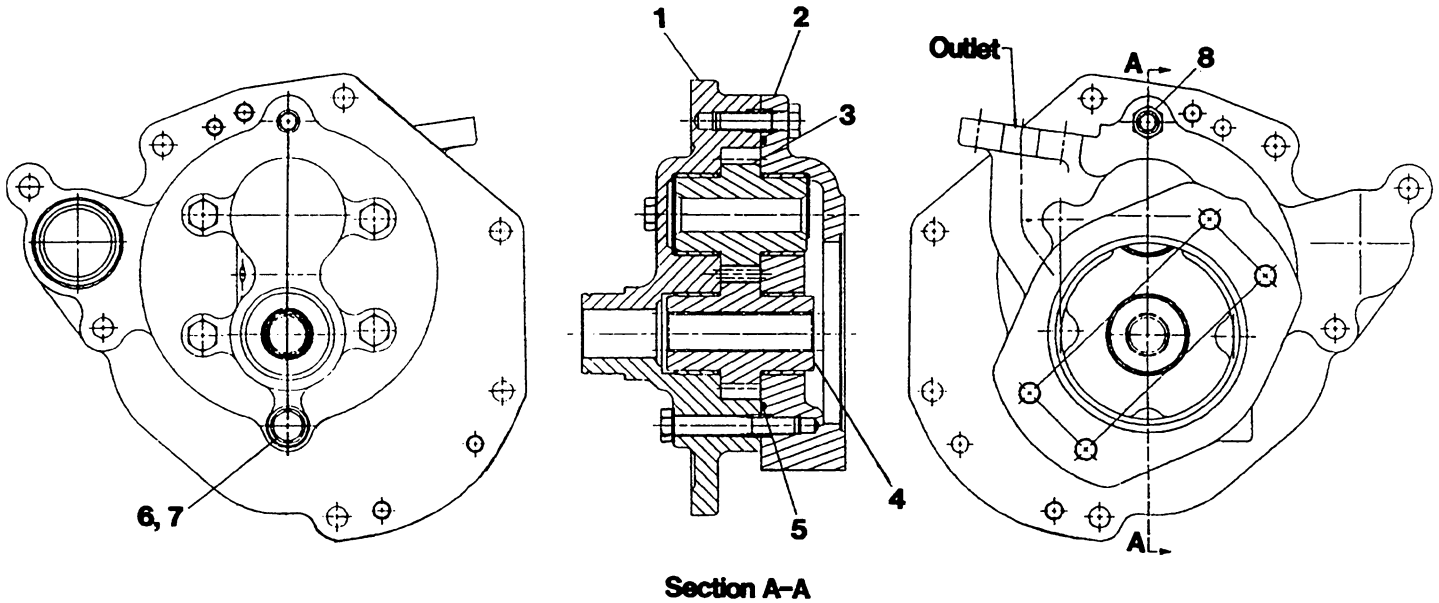



Figure P31039-8

# P31039-8 Gear Pump Assembly — Basic

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32807 | Body Assembly | 1 | ..... | |
| 2 | P32808 | Cover Assembly | 1 | ..... | |
| 3 | P32809 | Gear | 1 | ..... | |
| 4 | P32810 | Gear | 1 | ..... | |
| 5 | P32811 | Seal | 1 | ..... | |
| 6 | P32812 | Bolt | 5 | ..... | |
| 7 | P32813 | Washer | 1 | ..... | |
| 8 | P32766 | Bolt | 1 | ..... | |
| NI | P32814 | Plug | 1 | ..... | |

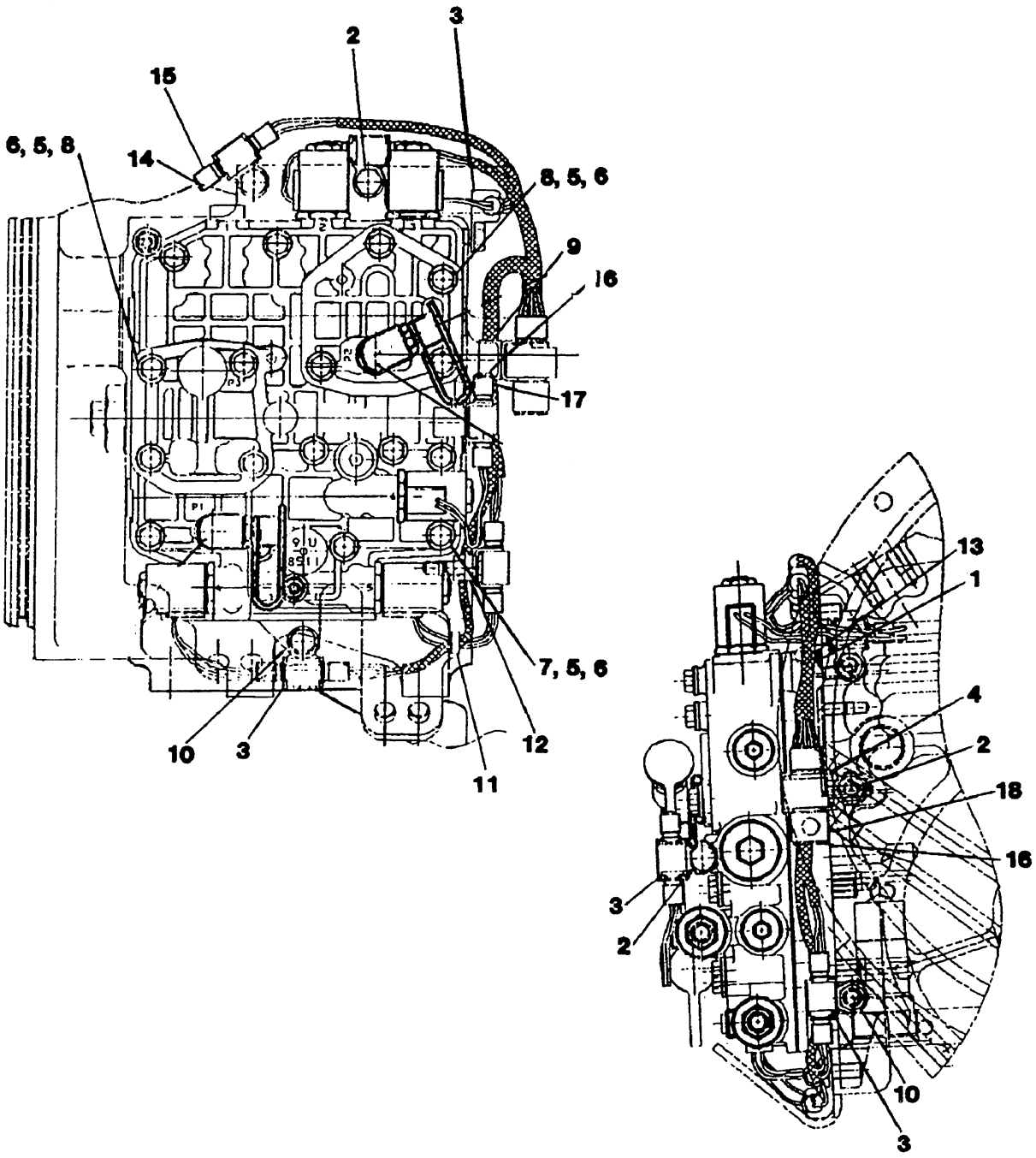



Figure P31039-9

# P31039-9 Hydraulic Control Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32796 | Seal | 1 | ..... | |
| 2 | P32816 | Bolt | 5 | ..... | |
| 3 | P32817 | Clip | 6 | ..... | |
| 4 | P32818 | Clip | 1 | ..... | |
| 5 | P32819 | Washer | 34 | ..... | ❶ |
| 6 | P32820 | Washer | 17 | ..... | ❶ |
| 7 | P32821 | Bolt | 9 | ..... | ❶ |
| 8 | P32822 | Bolt | 8 | ..... | ❶ |
| 9 | P32823 | Clip | 1 | ..... | |
| 10 | P32727 | Bolt | 2 | ..... | |
| 11 | P32824 | Strap | 1 | ..... | |
| 12 | P32825 | Clip | 1 | ..... | |
| 13 | P32904 | Valve Group | 1 | ..... | |
| 14 | P32826 | Plug | 2 | ..... | |
| 15 | P32905 | Housing | 1 | ..... | |
| 16 | P32826 | Plug | 12 | ..... | |
| 17 | P32827 | Housing | 1 | ..... | |
| 18 | P32828 | Housing | 1 | ..... | |

NOTES:
❶ For shipping and storage only.

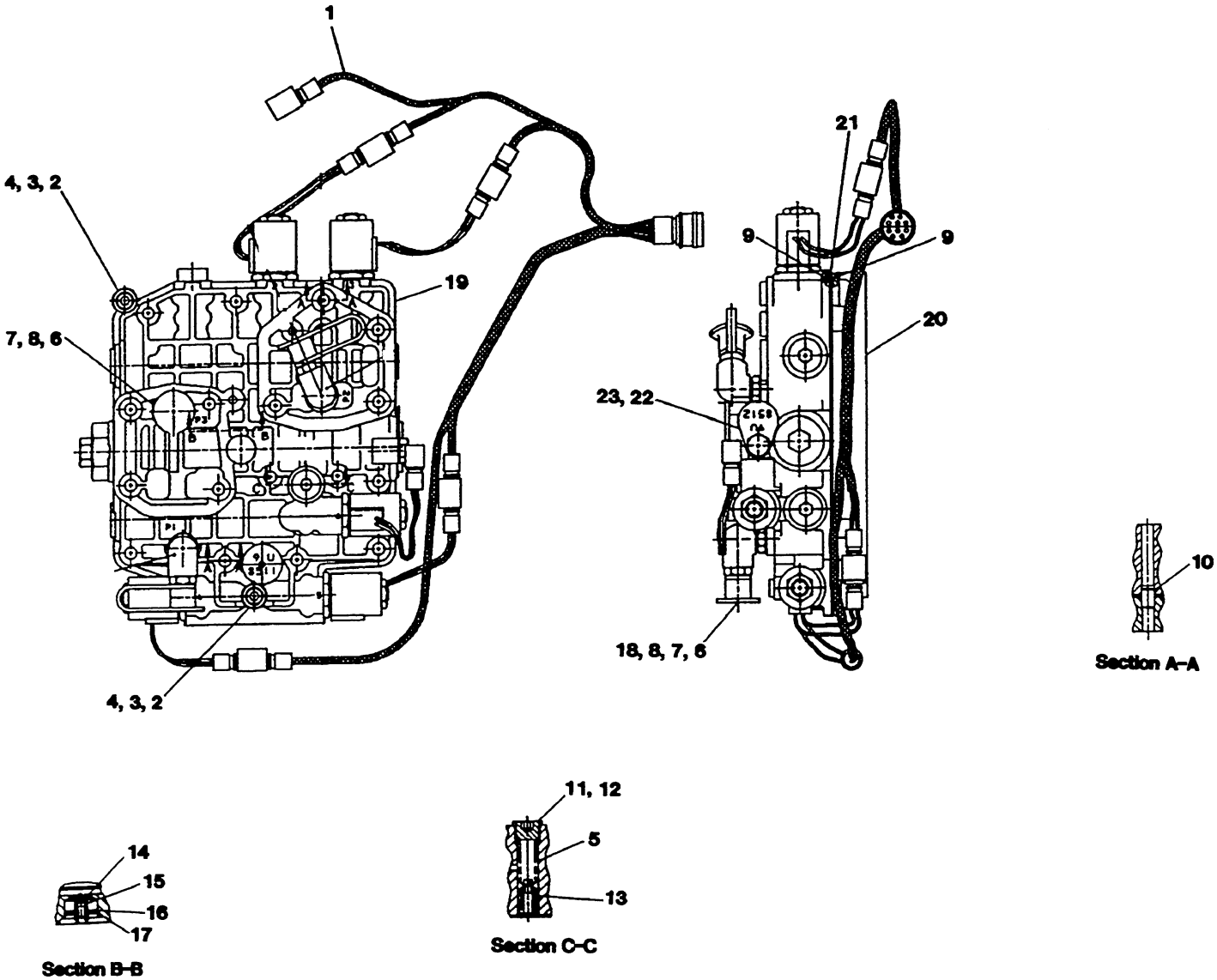



**Figure P31039-10**

# P31039-10 Unit Test Valve Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31660 | Lower Wiring Harness | 1 | ..... | |
| 2 | P32829 | Bolt | 2 | ..... | |
| 3 | P32820 | Washer | 2 | ..... | |
| 4 | P32819 | Washer | 4 | ..... | |
| 5 | P32906 | Spring | 1 | ..... | |
| 6 | P32830 | Nipple Assembly | 3 | ..... | |
| 7 | P32729 | Seal | 5 | ..... | |
| 8 | P32831 | Cap | 3 | ..... | |
| 9 | P32832 | Seal | 2 | ..... | |
| 10 | P32833 | Dowel | 2 | ..... | |
| 11 | P32834 | Plug | 1 | ..... | |
| 12 | P32787 | Seal | 1 | ..... | |
| 13 | P32835 | Plunger | 1 | ..... | |
| 14 | P32836 | Poppet | 1 | ..... | |
| 15 | P32837 | Spring | 1 | ..... | |
| 16 | P32838 | Retainer | 1 | ..... | |
| 17 | P32839 | Ring | 1 | ..... | |
| 18 | P32840 | Adapter | 2 | ..... | |
| 19 | P32907 | Valve Group | 1 | ..... | |
| 20 | P32843 | Manifold | 1 | ..... | |
| 21 | P32844 | Plate | 1 | ..... | |
| 22 | P32908 | Plate | 1 | ..... | |
| 23 | P32816 | Bolt | 1 | ..... | |
| NI | P32909 | Inst. - Test | – | ..... | |

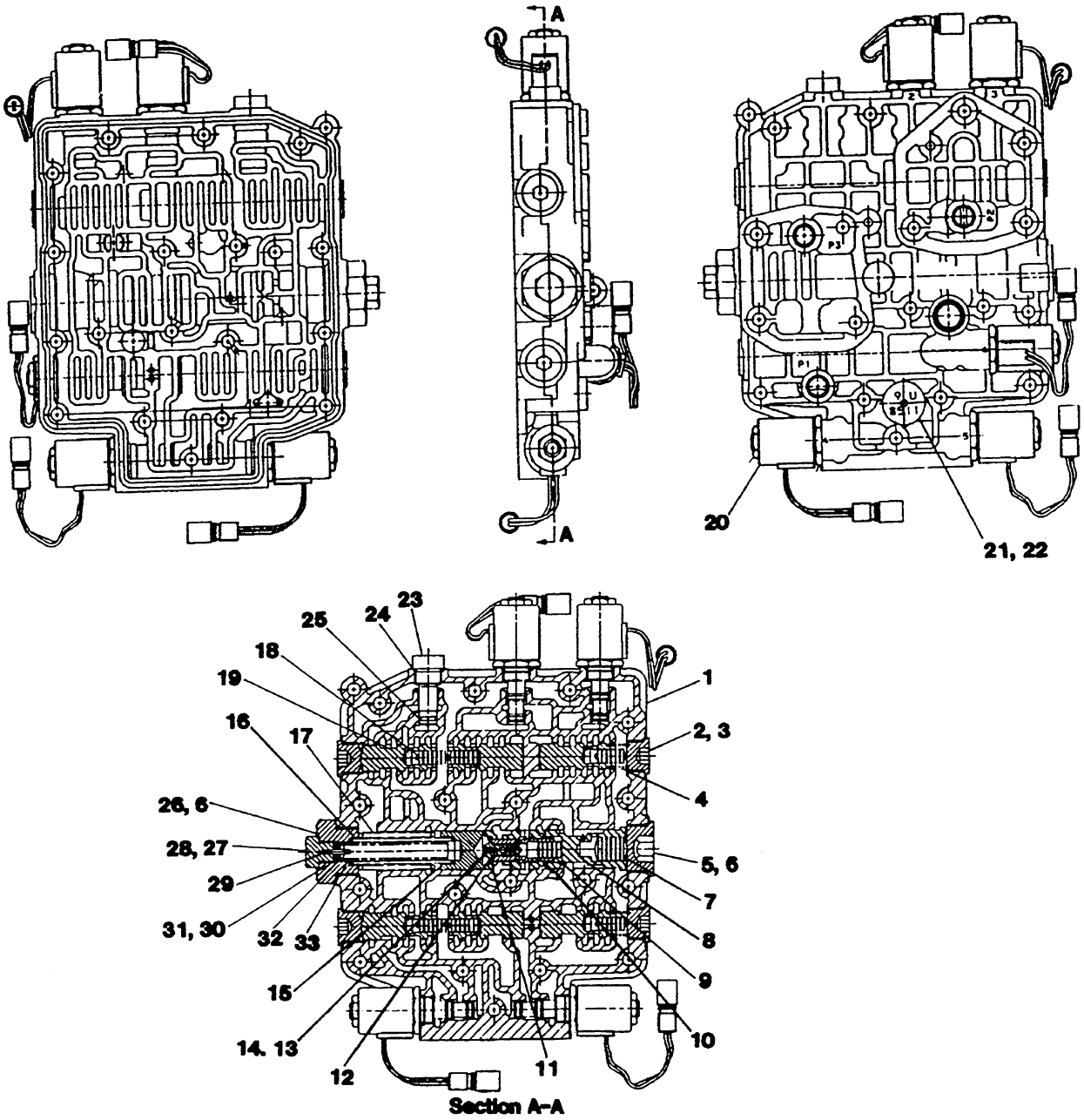



Figure P31039-11

# P31039-11 Selector & Press. Control Valve Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32847 | Body | 1 | ..... | |
| 2 | P32848 | Plug | 4 | ..... | |
| 3 | P32849 | Seal | 4 | ..... | |
| 4 | P32850 | Spring | 2 | ..... | |
| 5 | P32851 | Plug | 1 | ..... | |
| 6 | P32768 | Seal | 2 | ..... | |
| 7 | P32852 | Slug | 1 | ..... | |
| 8 | P32853 | Spool | 1 | ..... | |
| 9 | P32854 | Slug | 1 | ..... | |
| 10 | P32855 | Spool | 1 | ..... | |
| 11 | P32856 | Spacer | 1 | ..... | |
| 12 | P32857 | Ring | 1 | ..... | |
| 13 | P32858 | Plug | 1 | ..... | |
| 14 | P32859 | Seal | 1 | ..... | |
| 15 | P32910 | Piston | 1 | ..... | |
| 16 | P32861 | Spring | 1 | ..... | |
| 17 | P32911 | Spring | 1 | ..... | |
| 18 | P32863 | Slug | 6 | ..... | |
| 19 | P32864 | Spool | 6 | ..... | |
| 20 | P32865 | Valve Group | 5 | ..... | |
| 21 | P32912 | Plate | 1 | ..... | |
| 22 | P32867 | Screw | 1 | ..... | |
| 23 | P32913 | Plug | 1 | ..... | |
| 24 | P32787 | Seal | 1 | ..... | |
| 25 | P32914 | Seal | 1 | ..... | |
| 26 | P32915 | Plug | 1 | ..... | |
| 27 | P32916 | Plug | 1 | ..... | |
| 28 | P32729 | Seal | 1 | ..... | |
| 29 | P32917 | Pin | 1 | ..... | |
| 30 | P32918 | Spacer | 4 | ..... | |
| 31 | P32919 | Spacer | 4 | ..... | |
| 32 | P32920 | Ring | 1 | ..... | |
| 33 | P32921 | Spring | 1 | ..... | |
| — | P32904 | Valve Group | – | ..... | |
| NI | P32909 | Inst. - Test | – | ..... | |

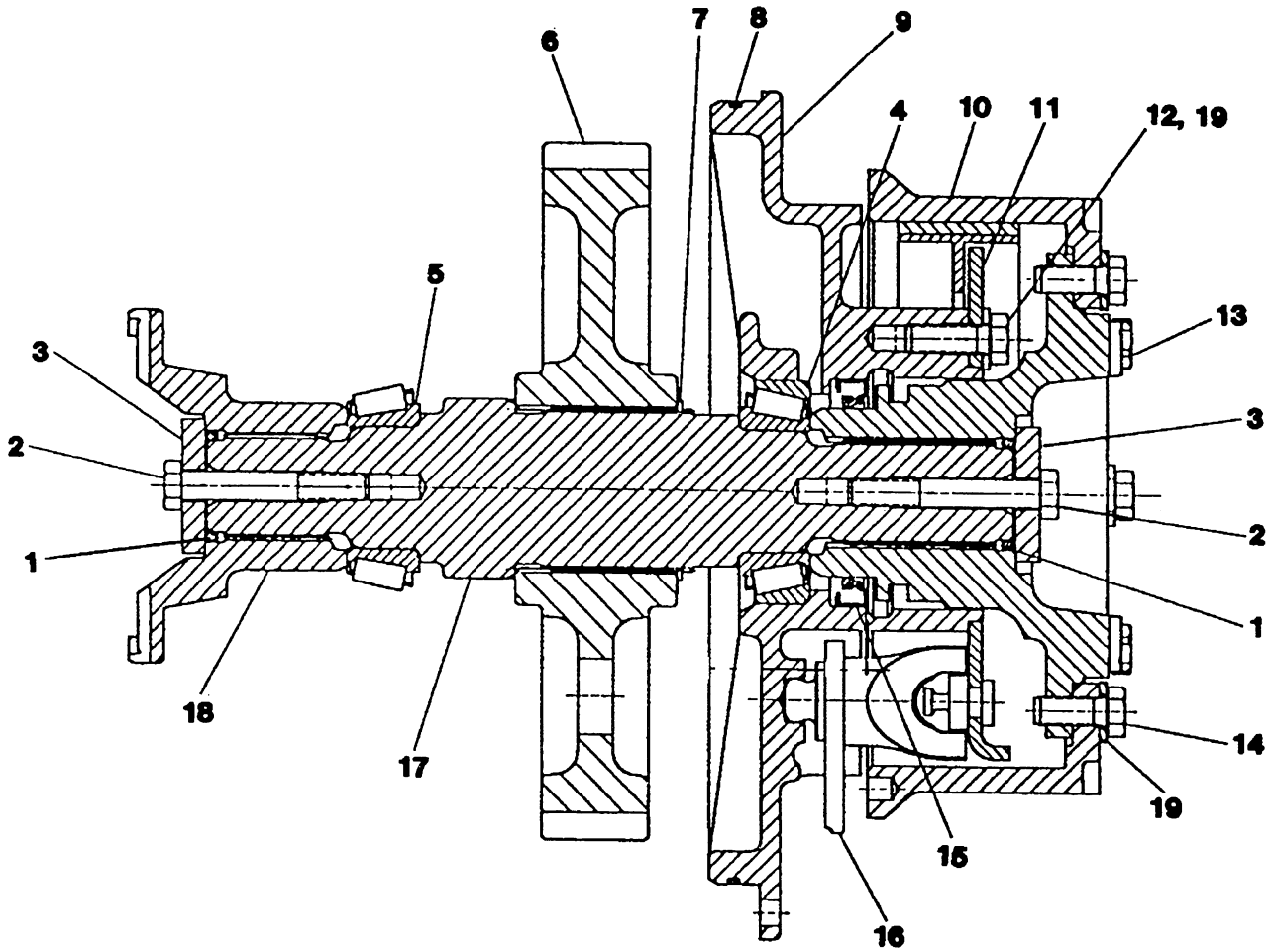



Figure P31039-12

# P31039-12 Output Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32868 | Seal | 2 | ..... | |
| 2 | P32869 | Bolt | 2 | ..... | |
| 3 | P32870 | Washer | 2 | ..... | |
| 4 | P32741 | Cup | 1 | ..... | |
| 5 | P32871 | Cone | 2 | ..... | |
| 6 | P32922 | Gear | 1 | ..... | |
| 7 | P32873 | Ring | 1 | ..... | |
| 8 | P32874 | Seal | 1 | ..... | |
| 9 | P32875 | Cage | 1 | ..... | |
| 10 | P31600 | Drum | 1 | ..... | |
| 11 | P32876 | Brake Group | 1 | ..... | |
| 12 | P32877 | Bolt | 4 | ..... | |
| 13 | P32878 | Yoke | 1 | ..... | |
| 14 | P32805 | Bolt | 8 | ..... | |
| 15 | P32746 | Seal | 1 | ..... | |
| 16 | P32879 | Lever Assembly | 1 | ..... | |
| 17 | P32880 | Shaft | 1 | ..... | |
| 18 | P32881 | Yoke | 1 | ..... | |
| 19 | P32882 | Washer | 12 | ..... | |

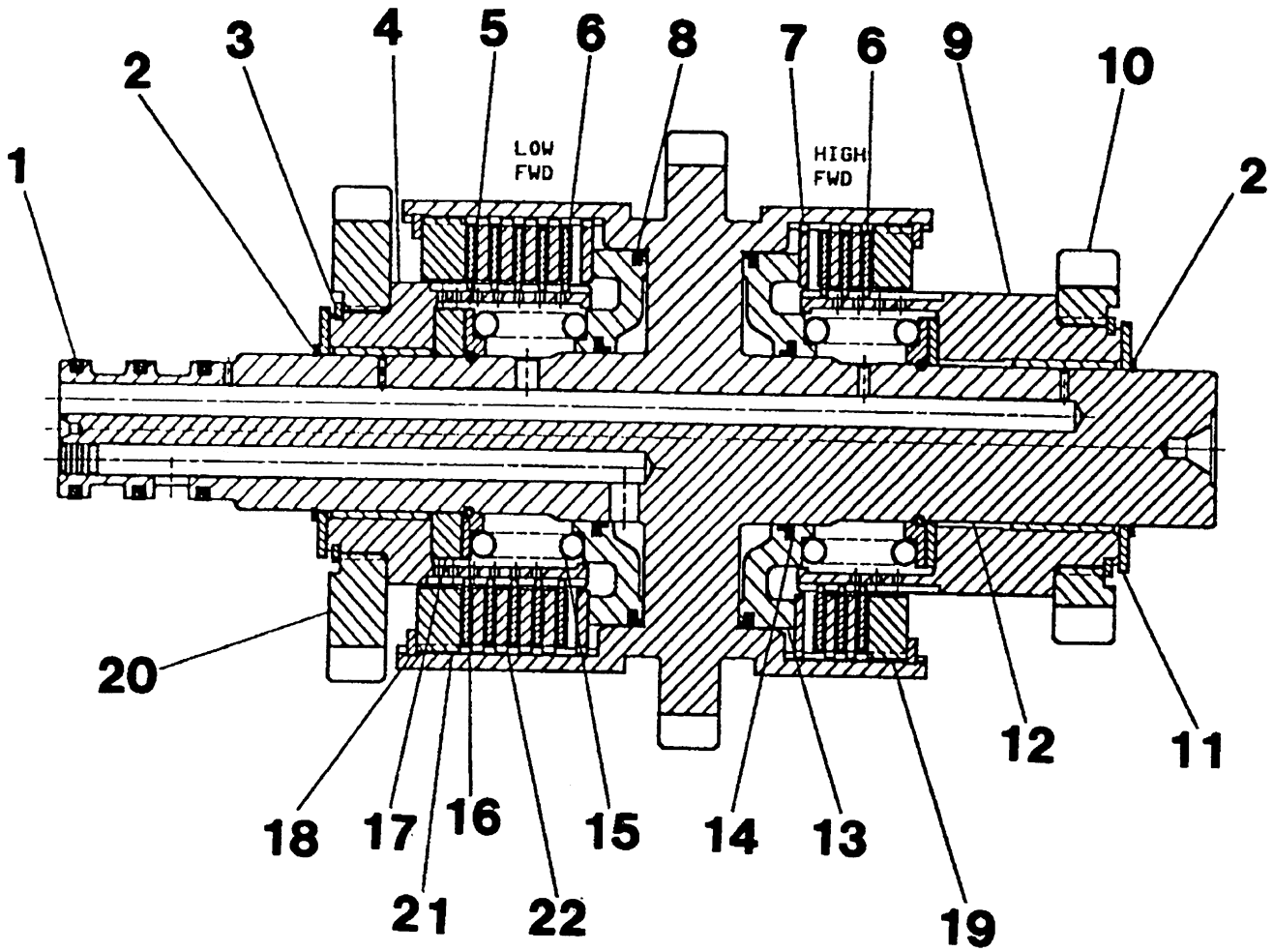



Figure P31403-1

# P31403-1 Forward Low & High Clutch Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31605 | Ring | 3 | ..... | |
| 2 | P31606 | Ring | 2 | ..... | |
| 3 | P31607 | Ring | 2 | ..... | |
| 4 | P31608 | Hub Assembly | 1 | ..... | |
| 5 | P31609 | Retainer | 2 | ..... | |
| 6 | P31610 | Disc | 8 | ..... | |
| 7 | P31611 | Washer | 3 | ..... | |
| 8 | P31612 | Ring | 2 | ..... | |
| 9 | P31613 | Hub Assembly | 1 | ..... | |
| 10 | P31614 | Gear | 1 | ..... | |
| 11 | P31615 | Disc | 3 | ..... | |
| 12 | P31616 | Shaft Assembly | 1 | ..... | |
| 13 | P31617 | Piston | 2 | ..... | |
| 14 | P31618 | Ring | 2 | ..... | |
| 15 | P31619 | Spring | 2 | ..... | |
| 16 | P31620 | Ring | 2 | ..... | |
| 17 | P31621 | Disc | 1 | ..... | |
| 18 | P31622 | Ring | 2 | ..... | |
| 19 | P31623 | Plate | 1 | ..... | |
| 20 | P31624 | Gear | 1 | ..... | |
| 21 | P31625 | Plate | 1 | ..... | |
| 22 | P31626 | Plate | 5 | ..... | |

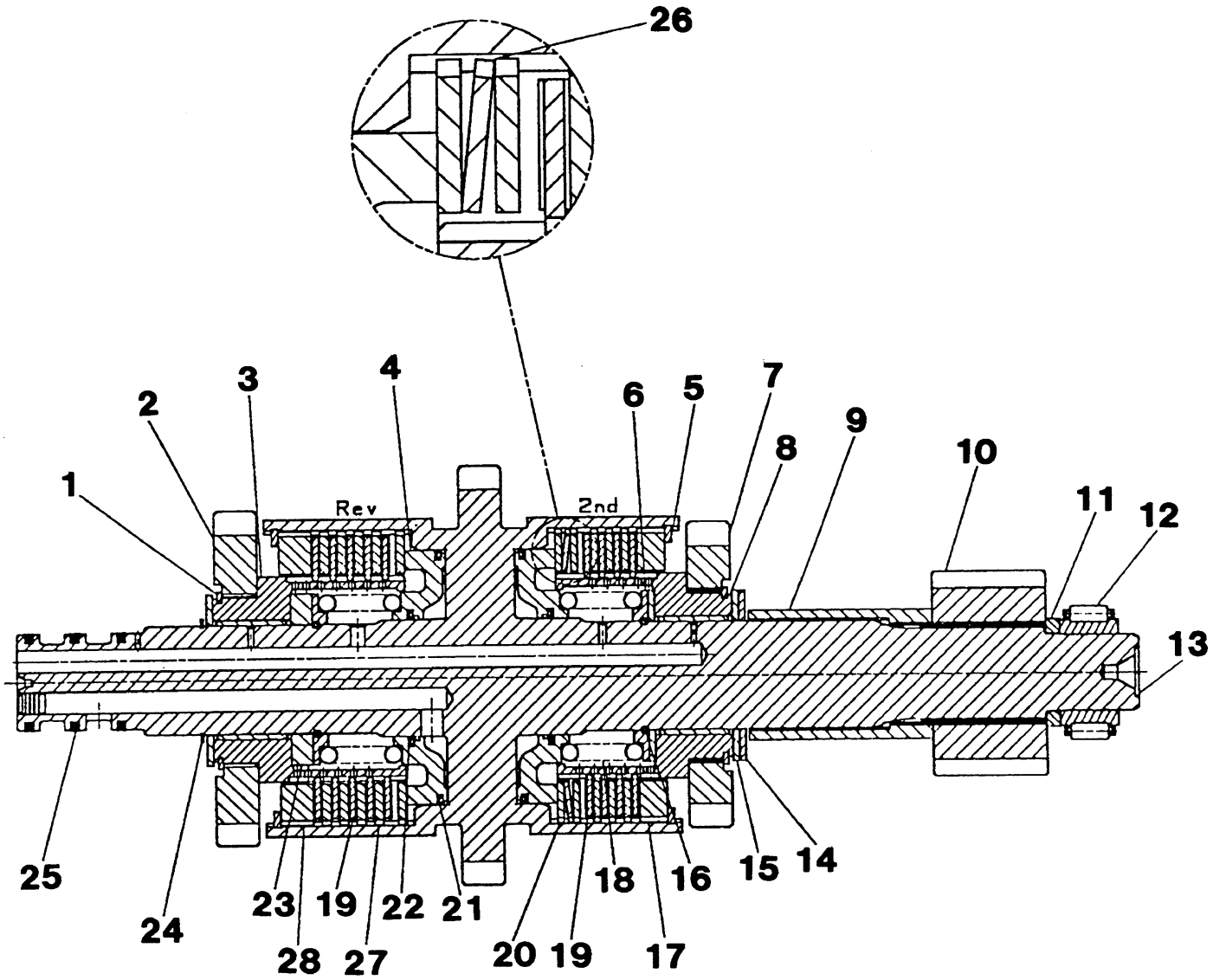



Figure P31403-2

# P31403-2 Reverse & 2nd Clutch Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31607 | Ring | 2 | ..... | |
| 2 | P31624 | Gear | 1 | ..... | |
| 3 | P31608 | Hub Assembly | 1 | ..... | |
| 4 | P31617 | Piston | 2 | ..... | |
| 5 | P31622 | Ring | 2 | ..... | |
| 6 | P31609 | Retainer | 2 | ..... | |
| 7 | P31627 | Gear | 1 | ..... | |
| 8 | P31628 | Hub Assembly | 1 | ..... | |
| 9 | P31629 | Spacer | 1 | ..... | |
| 10 | P31630 | Gear | 1 | ..... | |
| 11 | P31631 | Spacer | 1 | ..... | |
| 12 | P31632 | Bearing | 1 | ..... | |
| 13 | P31633 | Shaft Assembly | 1 | ..... | |
| 14 | P31634 | Washer | 1 | ..... | |
| 15 | P31615 | Disc | 3 | ..... | |
| 16 | P31620 | Ring | 2 | ..... | |
| 17 | P31623 | Plate | 1 | ..... | |
| 18 | P31619 | Spring | 2 | ..... | |
| 19 | P31610 | Disc | 9 | ..... | |
| 20 | P31611 | Plate | 5 | ..... | |
| 21 | P31612 | Ring | 2 | ..... | |
| 22 | P31618 | Ring | 2 | ..... | |
| 23 | P31621 | Disc | 1 | ..... | |
| 24 | P31606 | Ring | 1 | ..... | |
| 25 | P31605 | Ring | 3 | ..... | |
| 26 | P31635 | Spring | 1 | ..... | |
| 27 | P31626 | Plate | 5 | ..... | |
| 28 | P31625 | Plate | 1 | ..... | |

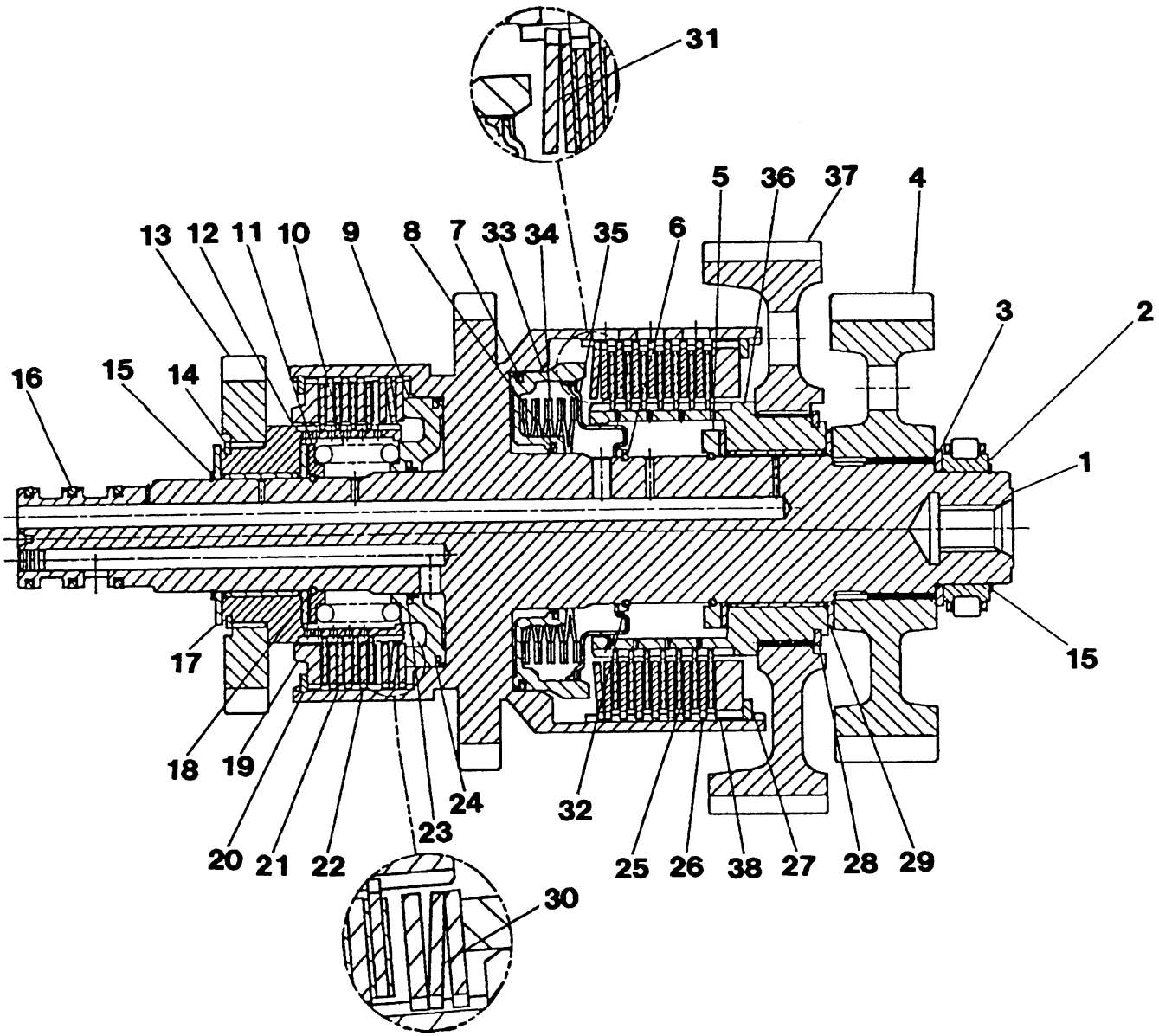



Figure P31403-3

# P31403-3 1st & 3rd Clutch Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31636 | Shaft Assembly | 1 | ..... | |
| 2 | P31637 | Bearing | 1 | ..... | |
| 3 | P31638 | Washer | 1 | ..... | |
| 4 | P31639 | Gear | 1 | ..... | |
| 5 | P31640 | Washer | 1 | ..... | |
| 6 | P31641 | Ring | 2 | ..... | |
| 7 | P31642 | Ring | 1 | ..... | |
| 8 | P31643 | Ring | 1 | ..... | |
| 9 | P31617 | Piston | 1 | ..... | |
| 10 | P31619 | Spring | 1 | ..... | |
| 11 | P31609 | Retainer | 1 | ..... | |
| 12 | P31628 | Hub Assembly | 1 | ..... | |
| 13 | P31644 | Gear | 1 | ..... | |
| 14 | P31607 | Ring | 1 | ..... | |
| 15 | P31606 | Ring | 2 | ..... | |
| 16 | P31605 | Ring | 3 | ..... | |
| 17 | P31615 | Disc | 2 | ..... | |
| 18 | P31620 | Ring | 1 | ..... | |
| 19 | P31645 | Plate | 1 | ..... | |
| 20 | P31622 | Ring | 1 | ..... | |
| 21 | P31610 | Disc | 4 | ..... | |
| 22 | P31611 | Plate | 5 | ..... | |
| 23 | P31618 | Ring | 1 | ..... | |
| 24 | P31612 | Ring | 1 | ..... | |
| 25 | P31646 | Disc | 7 | ..... | |
| 26 | P31647 | Plate | 7 | ..... | |
| 27 | P31648 | Ring | 1 | ..... | |
| 28 | P31649 | Ring | 1 | ..... | |
| 29 | P32700 | Disc | 2 | ..... | |
| 30 | P31635 | Spring | 1 | ..... | |
| 31 | P32701 | Spring | 1 | ..... | |
| 32 | P32702 | Ring | 1 | ..... | |
| 33 | P32703 | Piston | 1 | ..... | |
| 34 | P32704 | Spring | 1 | ..... | |
| 35 | P32705 | Seal Assembly | 1 | ..... | |
| 36 | P32706 | Hub Assembly | 1 | ..... | |
| 37 | P32707 | Gear | 1 | ..... | |
| 38 | P32708 | Plate | 1 | ..... | |

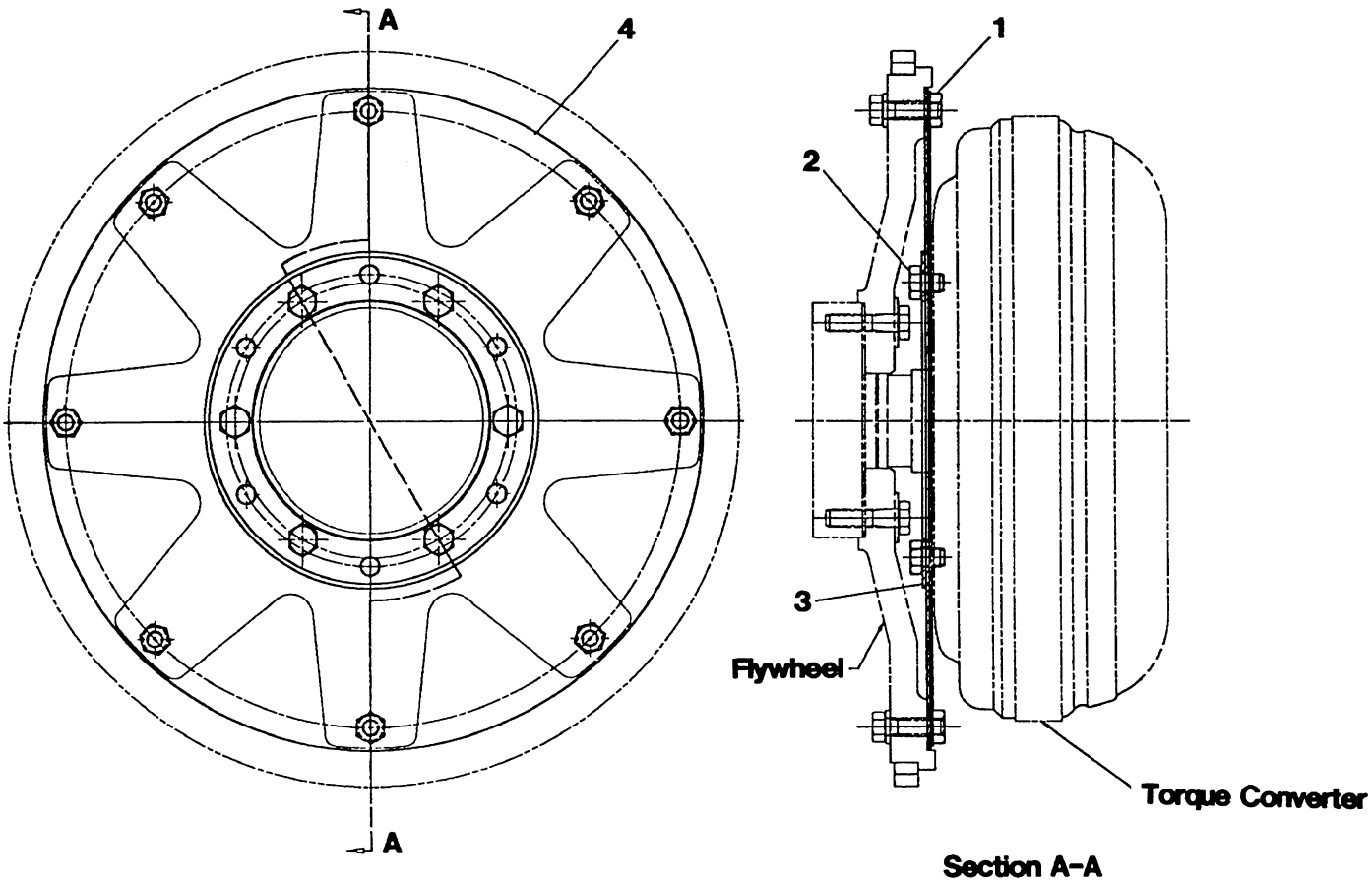



Figure P31403-4

## P31403-4 Flexible Coupling Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32709 | Plate Assembly | 1 | ..... | |
| 2 | P32710 | Bolt | 6 | ..... | |
| 3 | P32711 | Plate | 1 | ..... | |
| 4 | P32712 | Plate | 1 | ..... | |

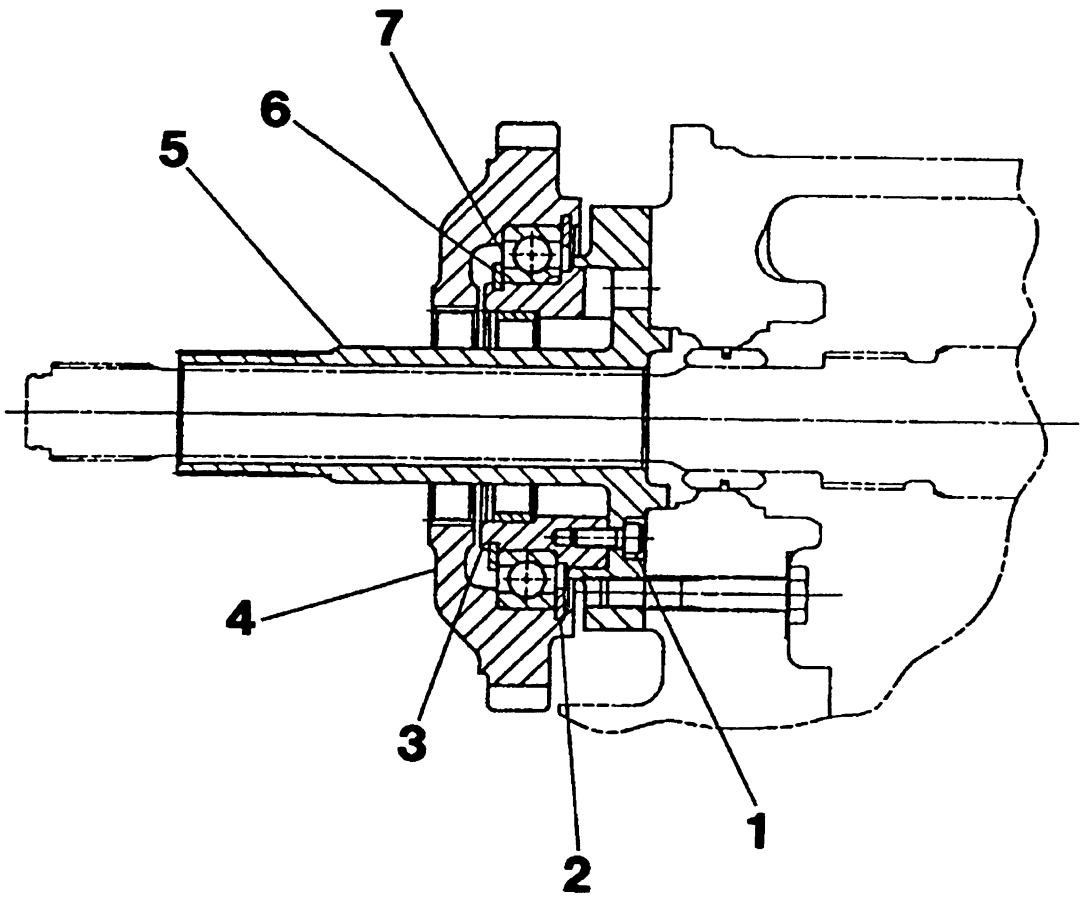



Figure P31403-5

# P31403-5 Pump Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32713 | Bolt | 4 | ..... | |
| 2 | P32714 | Ring | 1 | ..... | |
| 3 | P32715 | Support Assembly | 1 | ..... | |
| 4 | P32716 | Gear | 1 | ..... | |
| 5 | P32717 | Support | 1 | ..... | |
| 6 | P32718 | Ring | 1 | ..... | |
| 7 | P32719 | Bearing | 1 | ..... | |

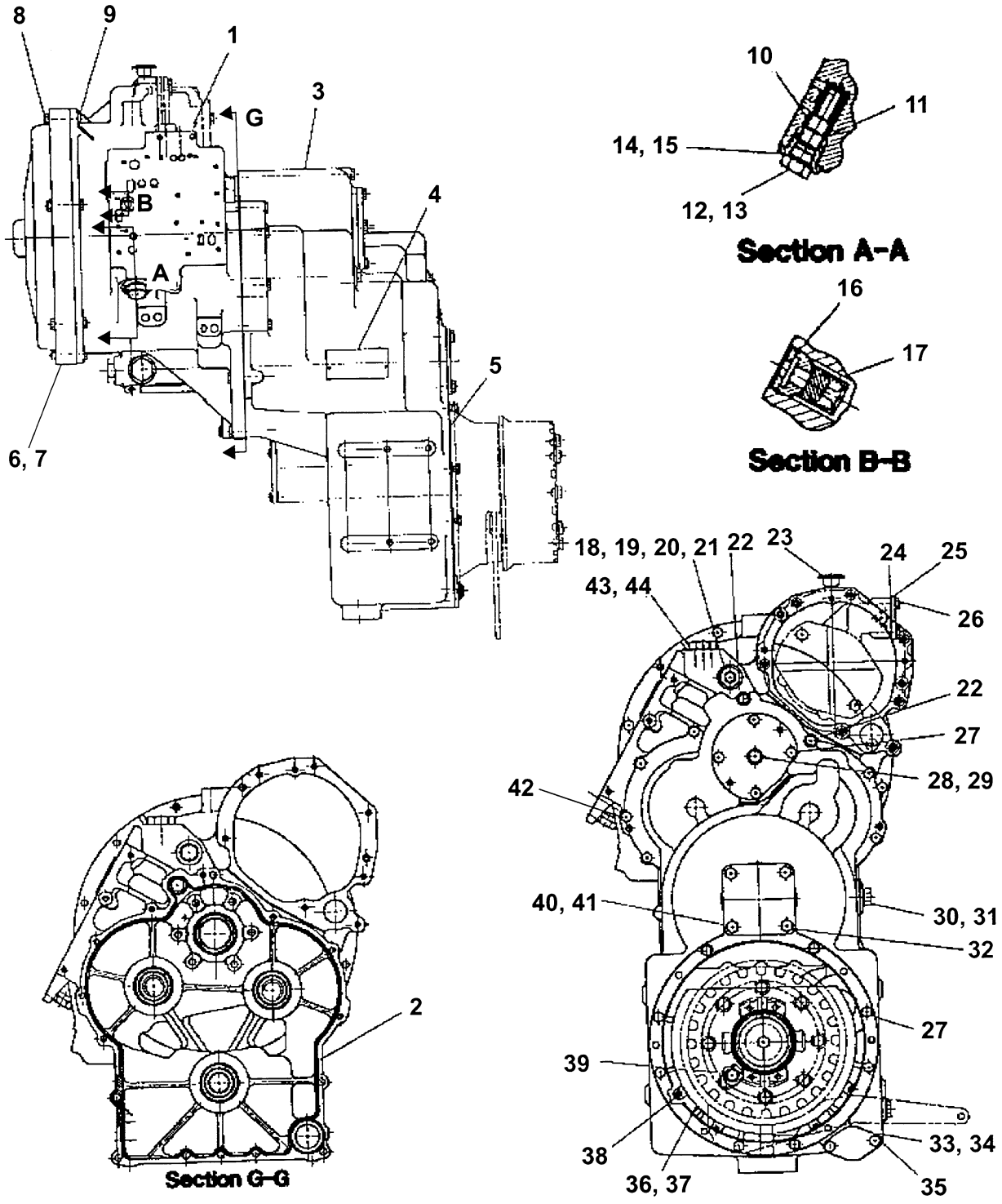



Figure P31403-6

# P31403-6 Case Assembly (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32720 | Cover Assembly | 1 | ..... | |
| 2 | P32721 | Sealant | 5 | ..... | |
| 3 | P32722 | Case | 1 | ..... | |
| 4 | P32771 | Plate | 1 | ..... | |
| 5 | P32783 | Shim - Pack | 2 | ..... | |
| 6 | P32790 | Cover | 1 | ..... | ❶ |
| 7 | P32796 | Seal | 1 | ..... | ❶ |
| 8 | P32794 | Nut | 6 | ..... | ❶ |
| 9 | P32795 | Bolt | 6 | ..... | ❶ |
| 10 | P32770 | Seal | 2 | ..... | |
| 11 | P32745 | Valve Group | 1 | ..... | |
| 12 | P32724 | Seal | 1 | ..... | ❶ |
| 13 | P32785 | Plug | 1 | ..... | ❶ |
| 14 | P32744 | Adapter | 1 | ..... | |
| 15 | P32743 | Seal | 1 | ..... | |
| 16 | P32769 | Seal | 1 | ..... | |
| 17 | P32759 | Valve Group | 1 | ..... | |
| 18 | P32724 | Seal | 2 | ..... | |
| 19 | P32728 | Plug | 1 | ..... | ❶ |
| 20 | P32742 | Adapter | 1 | ..... | |
| 21 | P32729 | Seal | 1 | ..... | ❶ |
| 22 | P32726 | Bolt | 2 | ..... | |
| 23 | P32725 | Breather | 1 | ..... | |
| 24 | P32793 | Gasket | 1 | ..... | ❶ |
| 25 | P32791 | Cover | 1 | ..... | ❶ |
| 26 | P32792 | Bolt | 2 | ..... | ❶ |
| 27 | P32775 | Bolt | 12 | ..... | |
| 28 | P32728 | Plug | 1 | ..... | |
| 29 | P32729 | Seal | 1 | ..... | |
| 30 | P32732 | Plug | 1 | ..... | |
| 31 | P32733 | Gasket | 1 | ..... | |
| 32 | P32734 | Bolt | 4 | ..... | |
| 33 | P32784 | Cover | 1 | ..... | ❶ |
| 34 | P32786 | Gasket | 1 | ..... | ❶ |
| 35 | P32727 | Bolt | 2 | ..... | ❶ |
| 36 | P32736 | Shield Assembly | 1 | ..... | |
| 37 | P32735 | Cover Assembly | 1 | ..... | |
| 38 | P32737 | Nut | 4 | ..... | |
| 39 | P32727 | Bolt | 3 | ..... | |
| 40 | P32739 | Gasket | 1 | ..... | |
| 41 | P32789 | Cover | 1 | ..... | |
| 42 | P32740 | Bolt | 13 | ..... | |
| 43 | P32723 | Plug | 1 | ..... | ❶ |
| 44 | P32768 | Seal | 1 | ..... | ❶ |

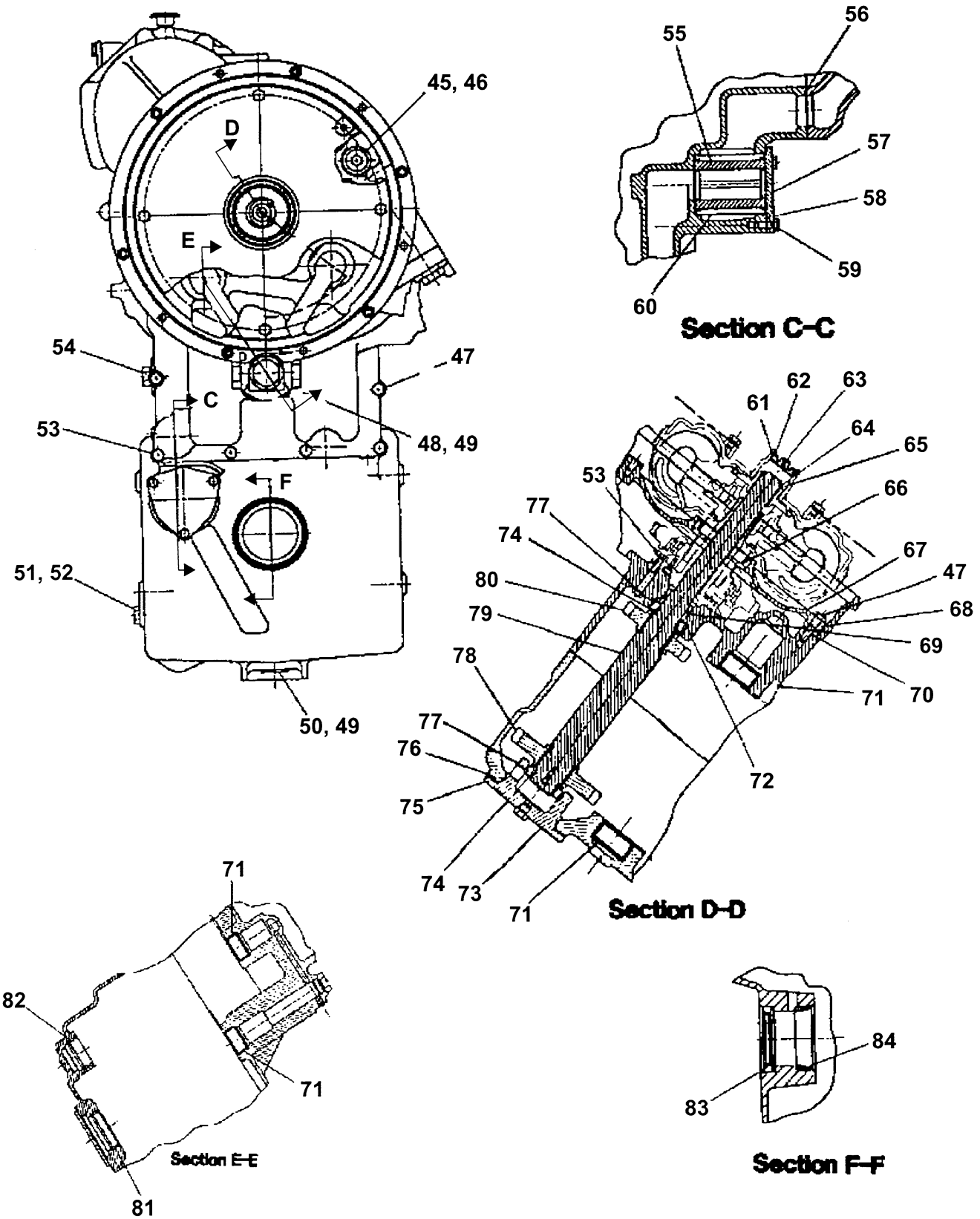



Figure P31403-6

# P31403-6 Case Assembly (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 45 | P32724 | Seal | 2 | ..... | |
| 46 | P32731 | Plug | 1 | ..... | |
| 47 | P32766 | Bolt | 8 | ..... | |
| 48 | P32723 | Plug | 3 | ..... | |
| 49 | P32768 | Seal | 4 | ..... | |
| 50 | P32767 | Plug | 1 | ..... | |
| 51 | P32788 | Plug | 1 | ..... | ❶ |
| 52 | P32787 | Seal | 1 | ..... | ❶ |
| 53 | P32740 | Bolt | 13 | ..... | |
| 54 | P32730 | Bolt | 1 | ..... | |
| 55 | P32761 | Filter | 1 | ..... | |
| 56 | P32760 | Seal | 1 | ..... | |
| 57 | P32765 | Cover | 1 | ..... | |
| 58 | P32764 | Seal | 1 | ..... | |
| 59 | P32763 | Bolt | 3 | ..... | |
| 60 | P32762 | Screen | 1 | ..... | |
| 61 | P32780 | Seal | 1 | ..... | |
| 62 | P32779 | Ring | 1 | ..... | |
| 63 | P32778 | Plug | 1 | ..... | |
| 64 | P32782 | Ring | 1 | ..... | |
| 65 | P32781 | Spacer | 1 | ..... | |
| 66 | P32758 | Seal | 1 | ..... | |
| 67 | P32756 | Cover | 1 | ..... | |
| 68 | P32777 | Seal | 1 | ..... | |
| 69 | P32757 | Ring | 1 | ..... | |
| 70 | P32776 | Seal | 4 | ..... | |
| 71 | P32748 | Bearing | 4 | ..... | |
| 72 | P32754 | Carrier | 1 | ..... | |
| 73 | P32772 | Cage | 1 | ..... | |
| 74 | P32750 | Cone | 2 | ..... | |
| 75 | P32773 | Shim - Pack | 1 | ..... | |
| 76 | P32774 | Seal | 1 | ..... | |
| 77 | P32755 | Cup | 2 | ..... | |
| 78 | P32753 | Gear | 1 | ..... | |
| 79 | P32752 | Shaft | 1 | ..... | |
| 80 | P32751 | Gear | 1 | ..... | |
| 81 | P32749 | Race | 1 | ..... | |
| 82 | P32747 | Race | 1 | ..... | |
| 83 | P32746 | Seal | 1 | ..... | |
| 84 | P32741 | Cup | 1 | ..... | |

NOTES:
❶ For shipping and storage only.

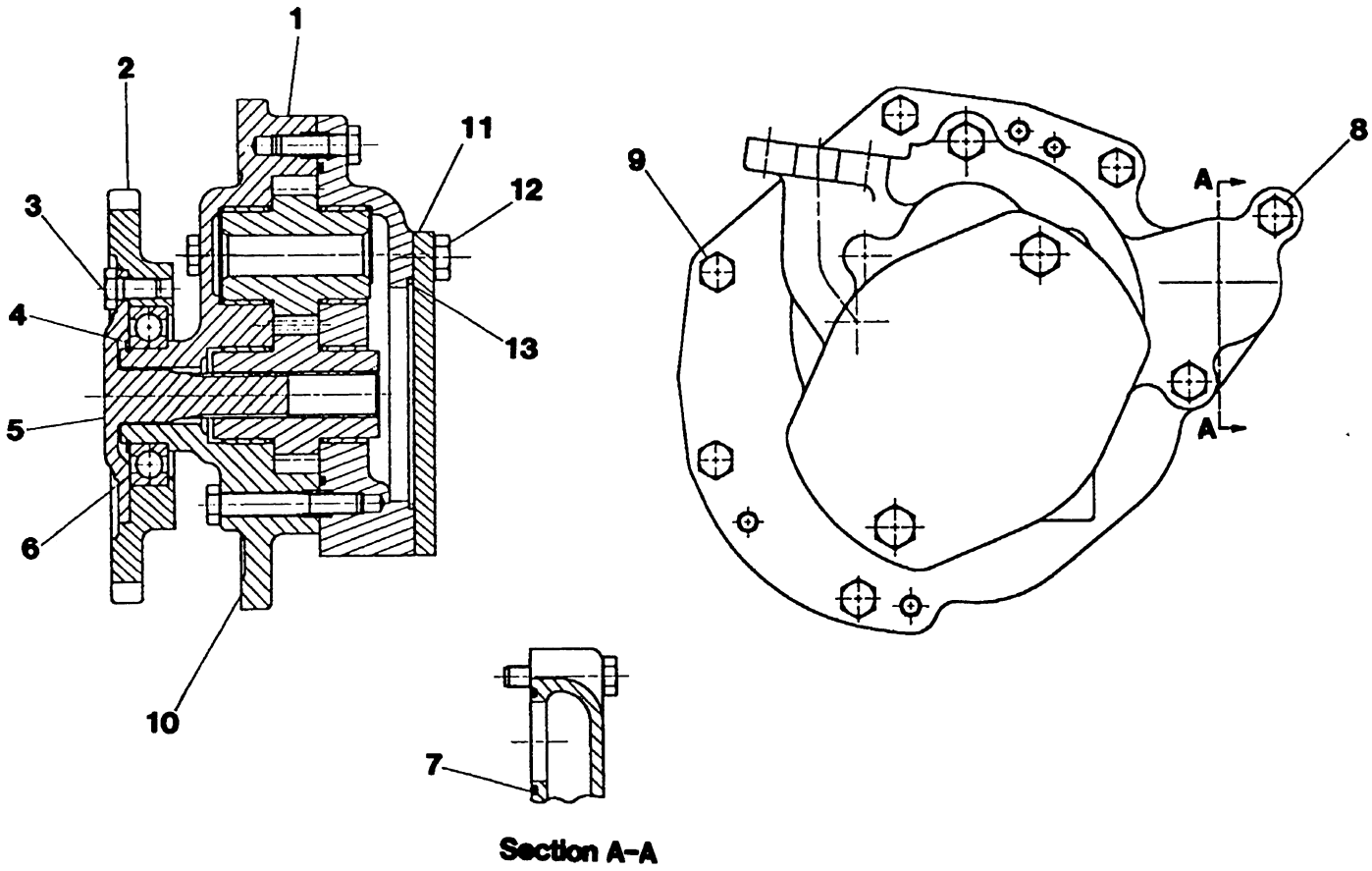



Figure P31403-7

# P31403-7 Gear Pump Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32797 | Pump Group | 1 | ..... | |
| 2 | P32798 | Gear | 1 | ..... | |
| 3 | P32727 | Bolt | 6 | ..... | |
| 4 | P32799 | Ring | 1 | ..... | |
| 5 | P32800 | Shaft | 1 | ..... | |
| 6 | P32801 | Bearing | 1 | ..... | |
| 7 | P32802 | Seal | 1 | ..... | |
| 8 | P32803 | Bolt | 2 | ..... | |
| 9 | P32775 | Bolt | 5 | ..... | |
| 10 | P32721 | Sealant | A/R | ..... | |
| 11 | P32804 | Cover | 1 | ..... | |
| 12 | P32805 | Bolt | 2 | ..... | |
| 13 | P32806 | Seal | 1 | ..... | |

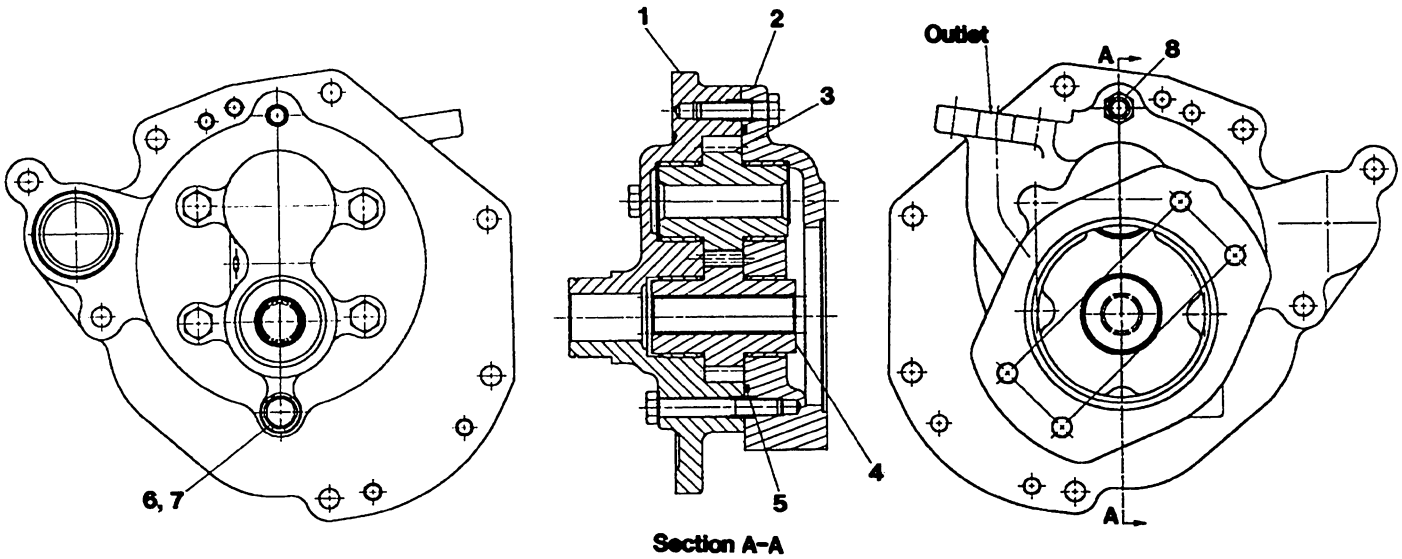



Figure P31403-8

# P31403-8 Gear Pump Assembly — Basic

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32807 | Body Assembly | 1 | ..... | |
| 2 | P32808 | Cover Assembly | 1 | ..... | |
| 3 | P32809 | Gear | 1 | ..... | |
| 4 | P32810 | Gear | 1 | ..... | |
| 5 | P32811 | Seal | 1 | ..... | |
| 6 | P32812 | Bolt | 5 | ..... | |
| 7 | P32813 | Washer | 1 | ..... | |
| 8 | P32766 | Bolt | 1 | ..... | |
| NI | P32814 | Plug | 1 | ..... | |

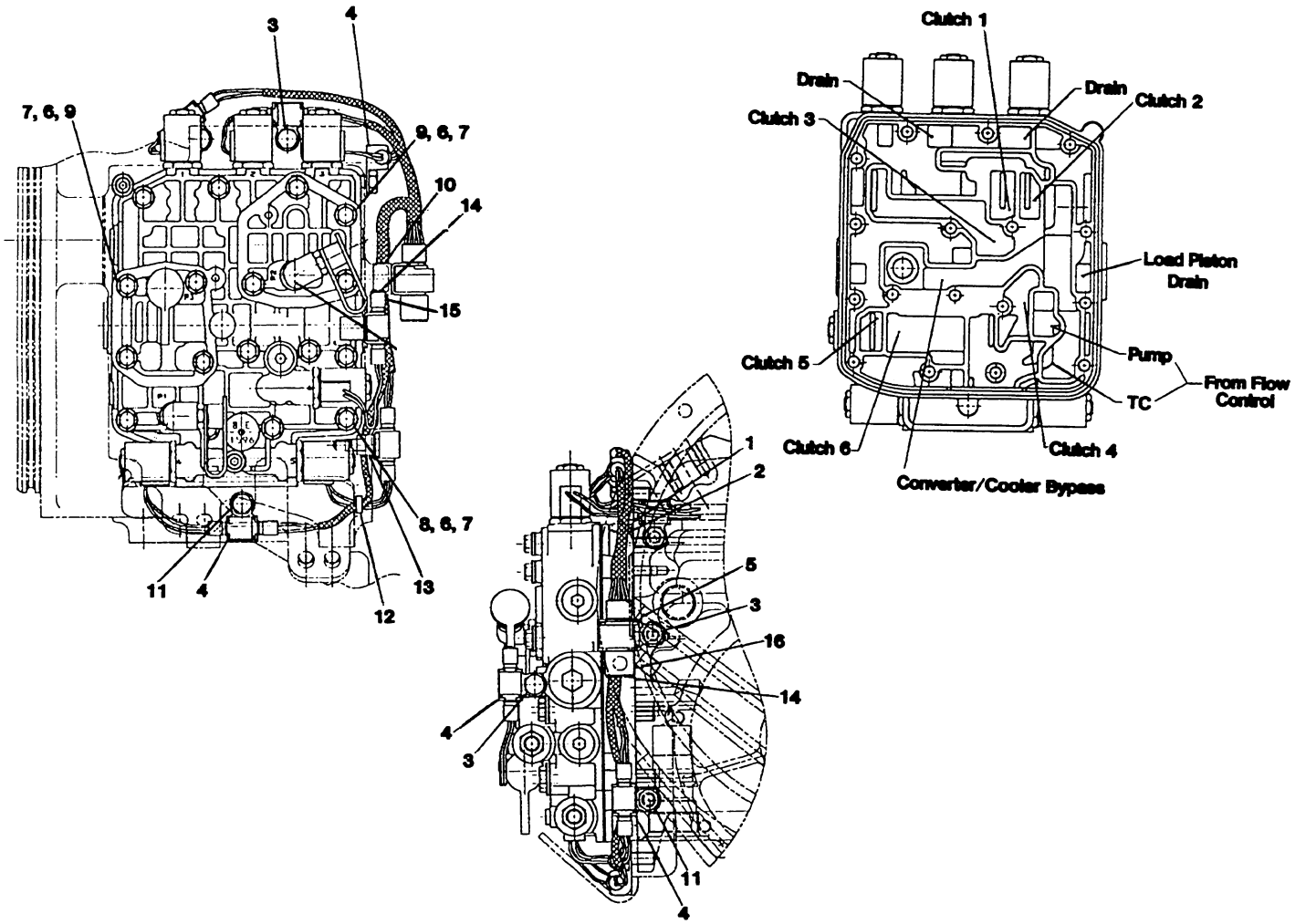



Figure P31403-9

# P31403-9 Hydraulic Control Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32815 | Valve Group | 1 | ..... | |
| 2 | P32796 | Seal | 1 | ..... | |
| 3 | P32816 | Bolt | 5 | ..... | |
| 4 | P32817 | Clip | 6 | ..... | |
| 5 | P32818 | Clip | 1 | ..... | |
| 6 | P32819 | Washer | 34 | ..... | |
| 7 | P32820 | Washer | 17 | ..... | |
| 8 | P32821 | Bolt | 9 | ..... | |
| 9 | P32822 | Bolt | 8 | ..... | |
| 10 | P32823 | Clip | 1 | ..... | |
| 11 | P32727 | Bolt | 2 | ..... | |
| 12 | P32824 | Strap | 1 | ..... | |
| 13 | P32825 | Clip | 1 | ..... | |
| 14 | P32826 | Plug | 12 | ..... | |
| 15 | P32827 | Housing | 1 | ..... | |
| 16 | P32828 | Housing | 1 | ..... | |

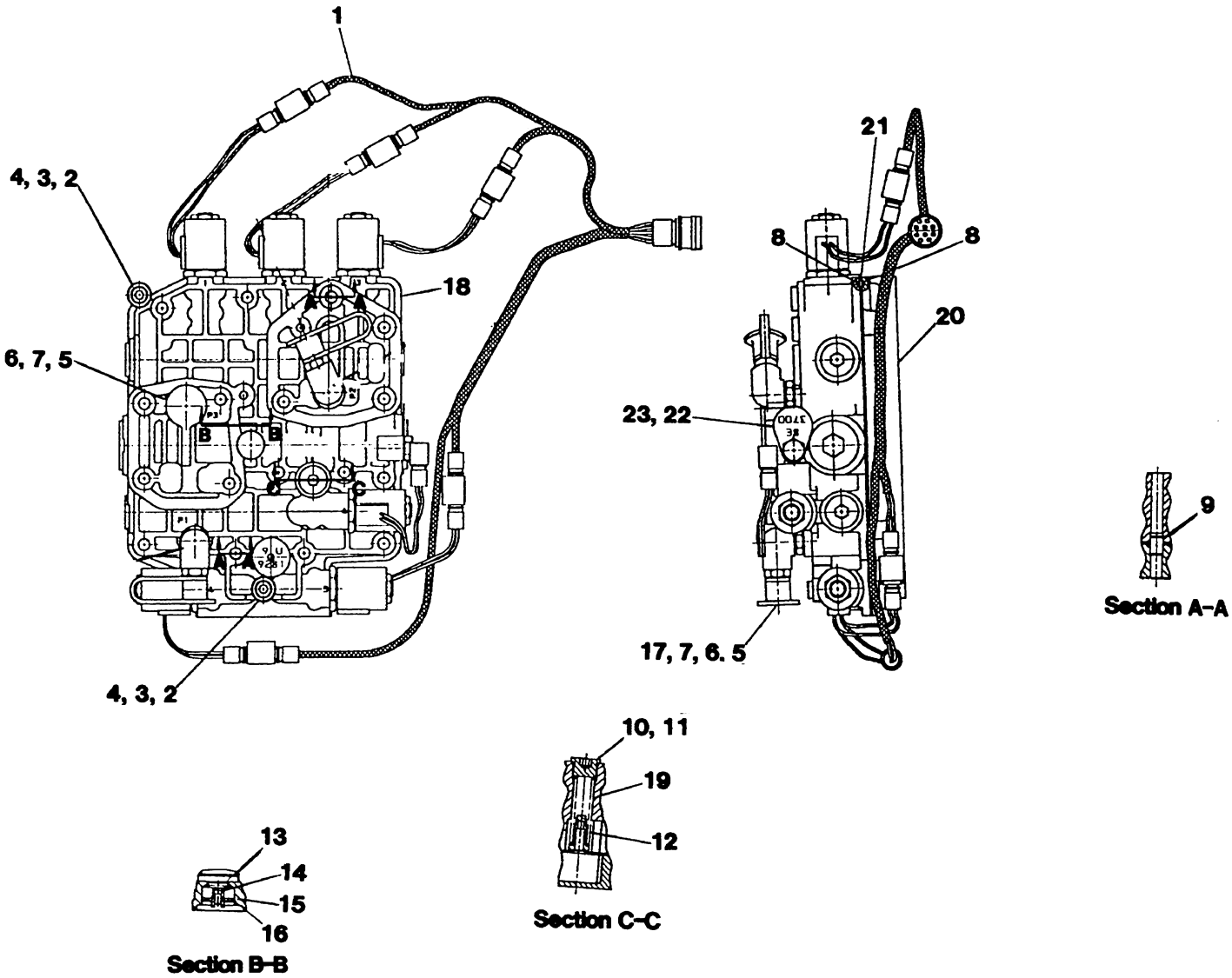



**Figure P31403-10**

# P31403-10 Unit Test Valve Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31660 | Lower Wiring Harness | 1 | ..... | |
| 2 | P32829 | Bolt | 2 | ..... | |
| 3 | P32820 | Washer | 2 | ..... | |
| 4 | P32819 | Washer | 4 | ..... | |
| 5 | P32830 | Nipple Assembly | 3 | ..... | |
| 6 | P32729 | Seal | 5 | ..... | |
| 7 | P32831 | Cap | 3 | ..... | |
| 8 | P32832 | Seal | 2 | ..... | |
| 9 | P32833 | Dowel | 2 | ..... | |
| 10 | P32834 | Plug | 1 | ..... | |
| 11 | P32787 | Seal | 1 | ..... | |
| 12 | P32835 | Plunger | 1 | ..... | |
| 13 | P32836 | Poppet | 1 | ..... | |
| 14 | P32837 | Spring | 1 | ..... | |
| 15 | P32838 | Retainer | 1 | ..... | |
| 16 | P32839 | Ring | 1 | ..... | |
| 17 | P32840 | Adapter | 2 | ..... | |
| 18 | P32841 | Valve Group | 1 | ..... | |
| 19 | P32842 | Spring | 1 | ..... | |
| 20 | P32843 | Manifold | 1 | ..... | |
| 21 | P32844 | Plate | 1 | ..... | |
| 22 | P32845 | Plate | 1 | ..... | |
| 23 | P32816 | Bolt | 1 | ..... | |
| — | P32846 | Inst. - Test | – | ..... | |

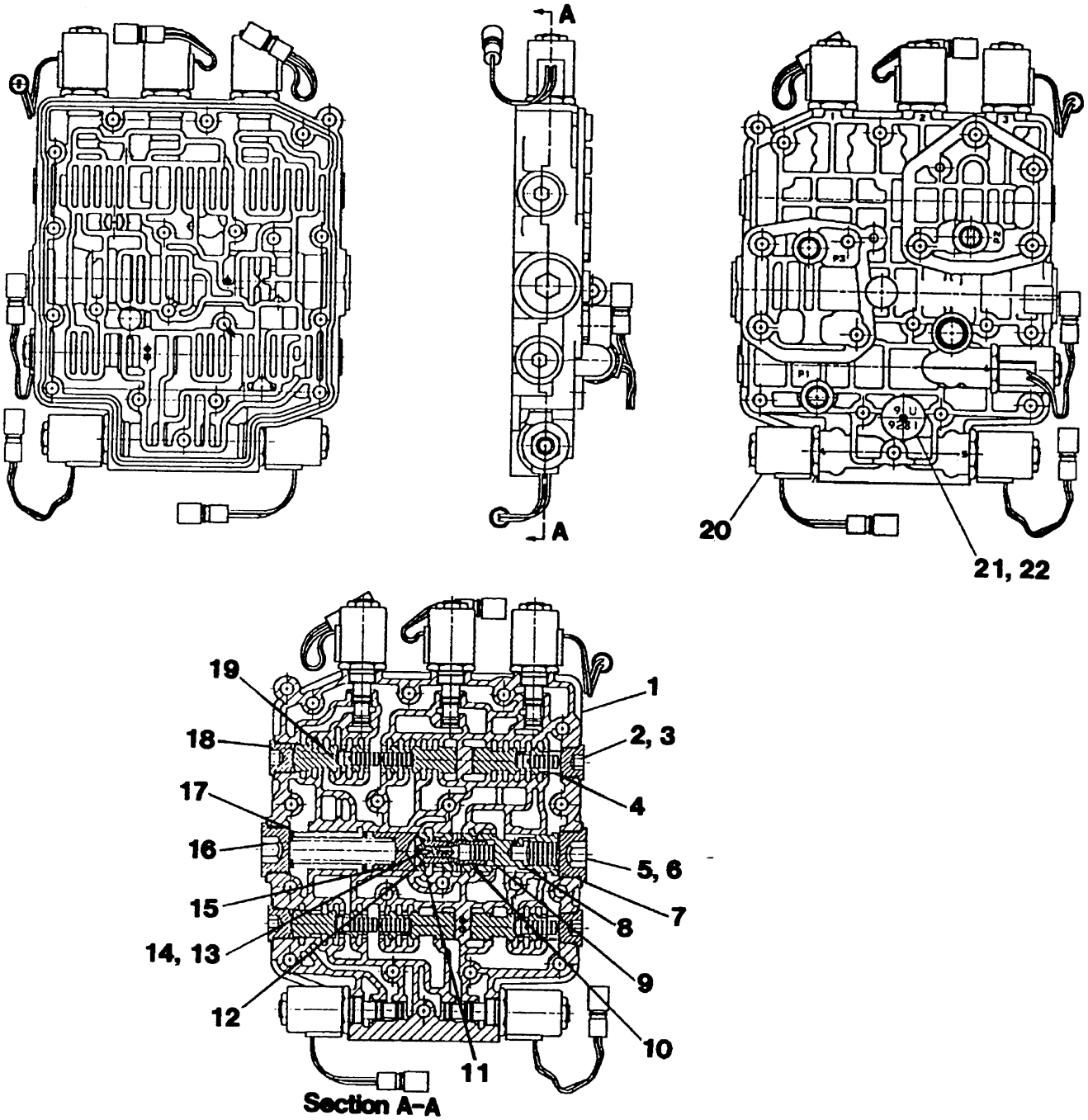



Figure P31403-11

# P31403-11 Selector & Press. Control Valve Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32847 | Body | 1 | ..... | |
| 2 | P32848 | Plug | 4 | ..... | |
| 3 | P32849 | Seal | 4 | ..... | |
| 4 | P32850 | Spring | 2 | ..... | |
| 5 | P32851 | Plug | 2 | ..... | |
| 6 | P32768 | Seal | 2 | ..... | |
| 7 | P32852 | Slug | 1 | ..... | |
| 8 | P32853 | Spool | 1 | ..... | |
| 9 | P32854 | Slug | 1 | ..... | |
| 10 | P32855 | Spool | 1 | ..... | |
| 11 | P32856 | Spacer | 1 | ..... | |
| 12 | P32857 | Ring | 1 | ..... | |
| 13 | P32858 | Plug | 1 | ..... | |
| 14 | P32859 | Seal | 1 | ..... | |
| 15 | P32860 | Piston | 1 | ..... | |
| 16 | P32861 | Spring | 1 | ..... | |
| 17 | P32862 | Spring | 1 | ..... | |
| 18 | P32863 | Slug | 6 | ..... | |
| 19 | P32864 | Spool | 6 | ..... | |
| 20 | P32865 | Valve Group | 5 | ..... | |
| 21 | P32866 | Plate | 1 | ..... | |
| 22 | P32867 | Screw | 1 | ..... | |
| — | P32846 | Inst. - Test | – | ..... | |
| — | P32815 | Valve Group | – | ..... | |

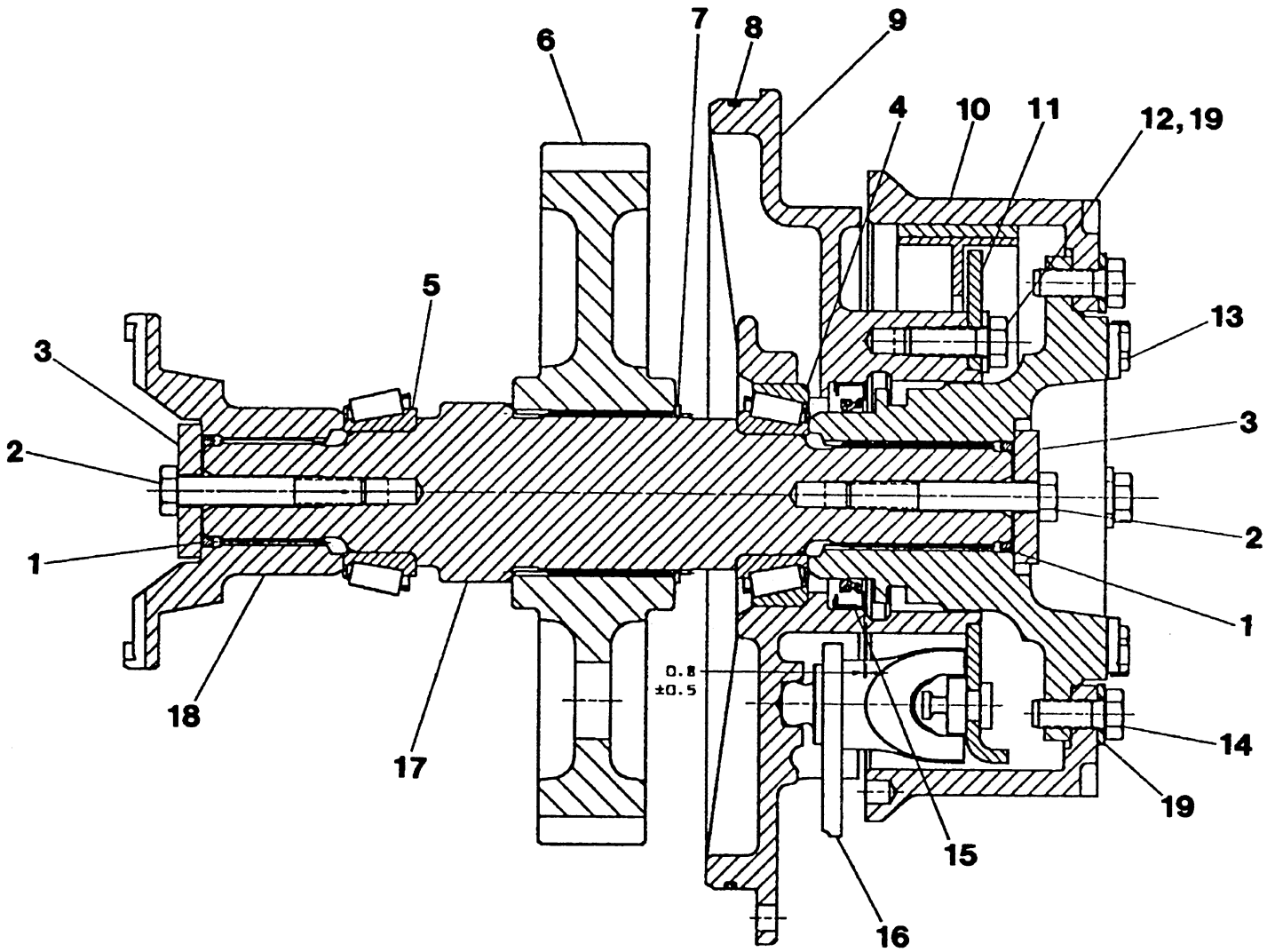



Figure P31403-12

# P31403-12 Output Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P32868 | Seal | 2 | ..... | |
| 2 | P32869 | Bolt | 2 | ..... | |
| 3 | P32870 | Washer | 2 | ..... | |
| 4 | P32741 | Cup | 1 | ..... | |
| 5 | P32871 | Cone | 2 | ..... | |
| 6 | P32872 | Gear | 1 | ..... | |
| 7 | P32873 | Ring | 1 | ..... | |
| 8 | P32874 | Seal | 1 | ..... | |
| 9 | P32875 | Cage | 1 | ..... | |
| 10 | P31600 | Drum | 1 | ..... | |
| 11 | P32876 | Brake Group | 1 | ..... | |
| 12 | P32877 | Bolt | 4 | ..... | |
| 13 | P32878 | Yoke | 1 | ..... | |
| 14 | P32805 | Bolt | 8 | ..... | |
| 15 | P32746 | Seal | 1 | ..... | |
| 16 | P32879 | Lever Assembly | 1 | ..... | |
| 17 | P32880 | Shaft | 1 | ..... | |
| 18 | P32881 | Yoke | 1 | ..... | |
| 19 | P32882 | Washer | 12 | ..... | |

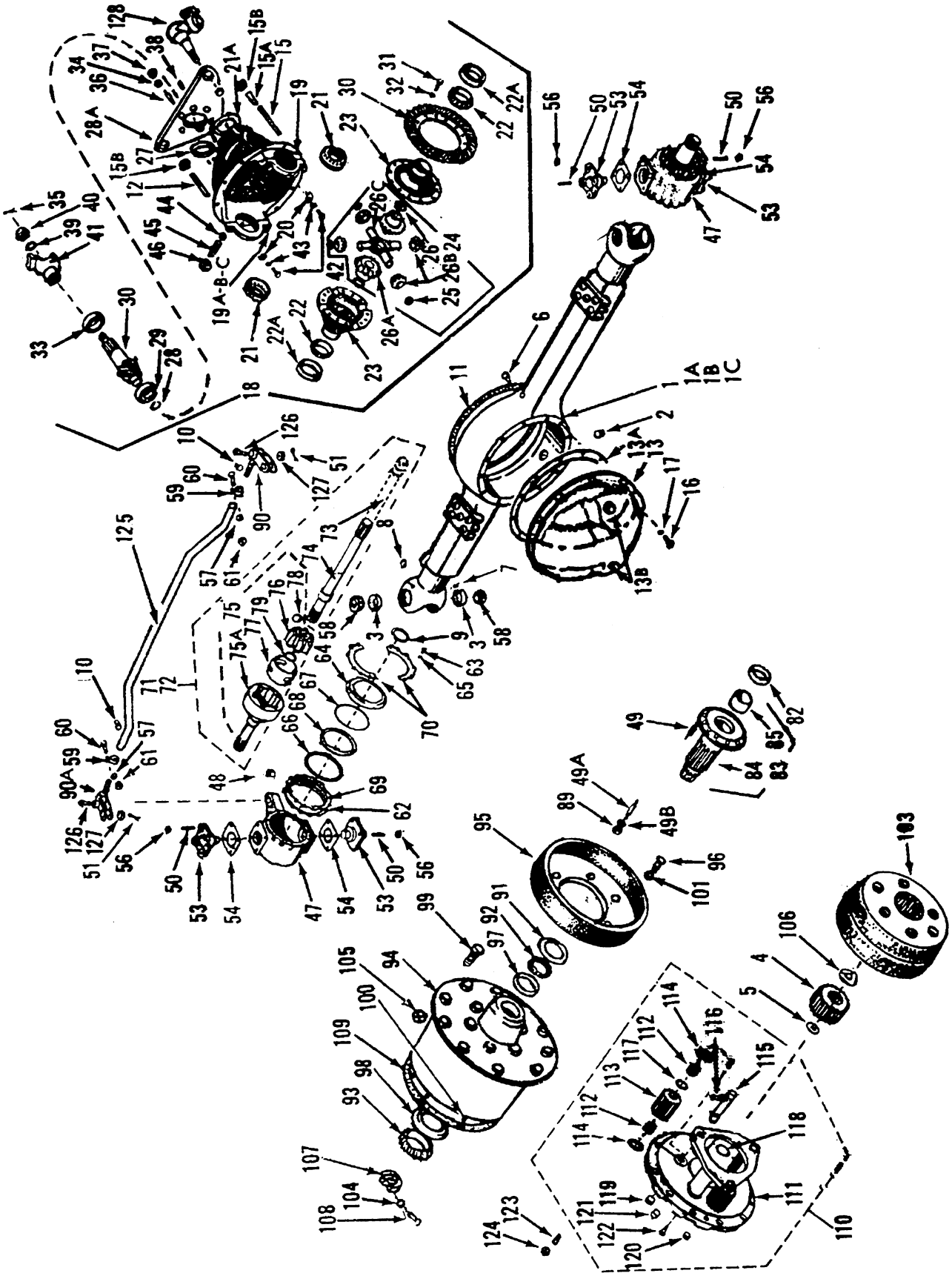


Figure P18009

# P18009 (1 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P18009 | Axle Assembly | 1 | ..... | Front /Complete |
| 1 | P19296 | Axle Housing | 1 | ..... | Front |
| 2 | P13780 | Plug, Drain | 1 | ..... | Magnetic 1/2"-14 |
| 3 | P19298 | Cup, Bearing | 4 | ..... | |
| 4 | P13782 | Gear, Sun | 2 | ..... | |
| 5 | P13783 | Ring, Retaining | 2 | ..... | |
| 6 | P13784 | Vent, Axle Air | 1 | ..... | |
| 7 | P13785 | Plug, Grease | 2 | ..... | Ball End 3/8"NPT |
| 8 | P13786 | Ftg., Lube | 2 | ..... | 1/8"NPT Straight |
| 9 | P13787 | Seal, Oil | 2 | ..... | Axle Shaft |
| 10 | P13788 | Ftg., Grease | 2 | ..... | Tie Rod 1/4"-28 |
| 11 | P13789 | Gasket | 1 | ..... | Diff. Carrier |
| 12 | P17535 | Stud, Carrier Mounting | 6 | ..... | 7/16"-14 x 7/16"-20 x 1.88" |
| 13 | P13791 | Cover | 1 | ..... | Diff. Assembly |
| 13A | P19299 | Gasket | 1 | ..... | Diff. cover |
| 13B | P19300 | Plug | 2 | ..... | 3/4"-14 |
| NI | P19306 | Washer | 2 | ..... | 5/8" |
| 15 | P13795 | Stud, Carrier Mounting | 4 | ..... | 7/16"-14 x 7/16"-20 x 1.88" |
| 15A | P19307 | Dowel, Carrier Mounting | 4 | ..... | |
| 15B | P17537 | Locknut | 10 | ..... | 7/16"-14 (G8) |
| 16 | P19308 | Bolt, Hx | 10 | ..... | 7/16"-14 x1" (G5PH) |
| 17 | P13797 | Lockwasher | 10 | ..... | 7/16", P, Regular Spring |
| 18 | P13798 | Carrier Assembly | 1 | ..... | Includes Items 19–26 |
| 19 | P13799 | Carrier Hsg. and Cap Assembly | 1 | ..... | |
| 19A | P19309 | Bolt, Hx | 4 | ..... | 5/8"-11 x 3 1/4" (G8PH) |
| 19B | P13803 | Dowel | 4 | ..... | |
| 19C | P13804 | Lockwasher | 4 | ..... | 5/8", P, Heavy Spring |
| 20 | P13805 | Lock, Diff. Bearing Adj. Nut | 2 | ..... | |
| 21 | P13806 | Locknut | 2 | ..... | |
| 21A | P13794 | Gasket, Oil Seal | 1 | ..... | Pinion Brg. Retainer |
| 22 | P17185 | Cone | 2 | ..... | Diff. Side |
| 22A | P17186 | Cup | 2 | ..... | Diff. Side |
| 23 | P13808 | Differential Case and Cover Assy. | 1 | ..... | |
| 24 | P17142 | Differential Assembly | 1 | ..... | Includes Items 25–26C |
| 25 | P17144 | Washer, Thrust | 4 | ..... | |
| 26 | P17145 | Washer, Thrust | 2 | ..... | |
| 26A | P19310 | Gear, Side | 2 | ..... | |
| 26B | P19311 | Gear, Pinion | 4 | ..... | |
| 26C | P19312 | Spider | 1 | ..... | |
| 27 | P13841 | Seal, Oil | 1 | ..... | |
| 28 | P13811 | Ring, Locking | 1 | ..... | |
| 28A | P13891 | Bracket, Cylinder Mounting | 1 | ..... | |
| 29 | P13812 | Bearing, Roller | 1 | ..... | Rear Pinion Shaft |
| 30 | P13813 | Ring Gear and Pinion Assembly | 1 | ..... | |

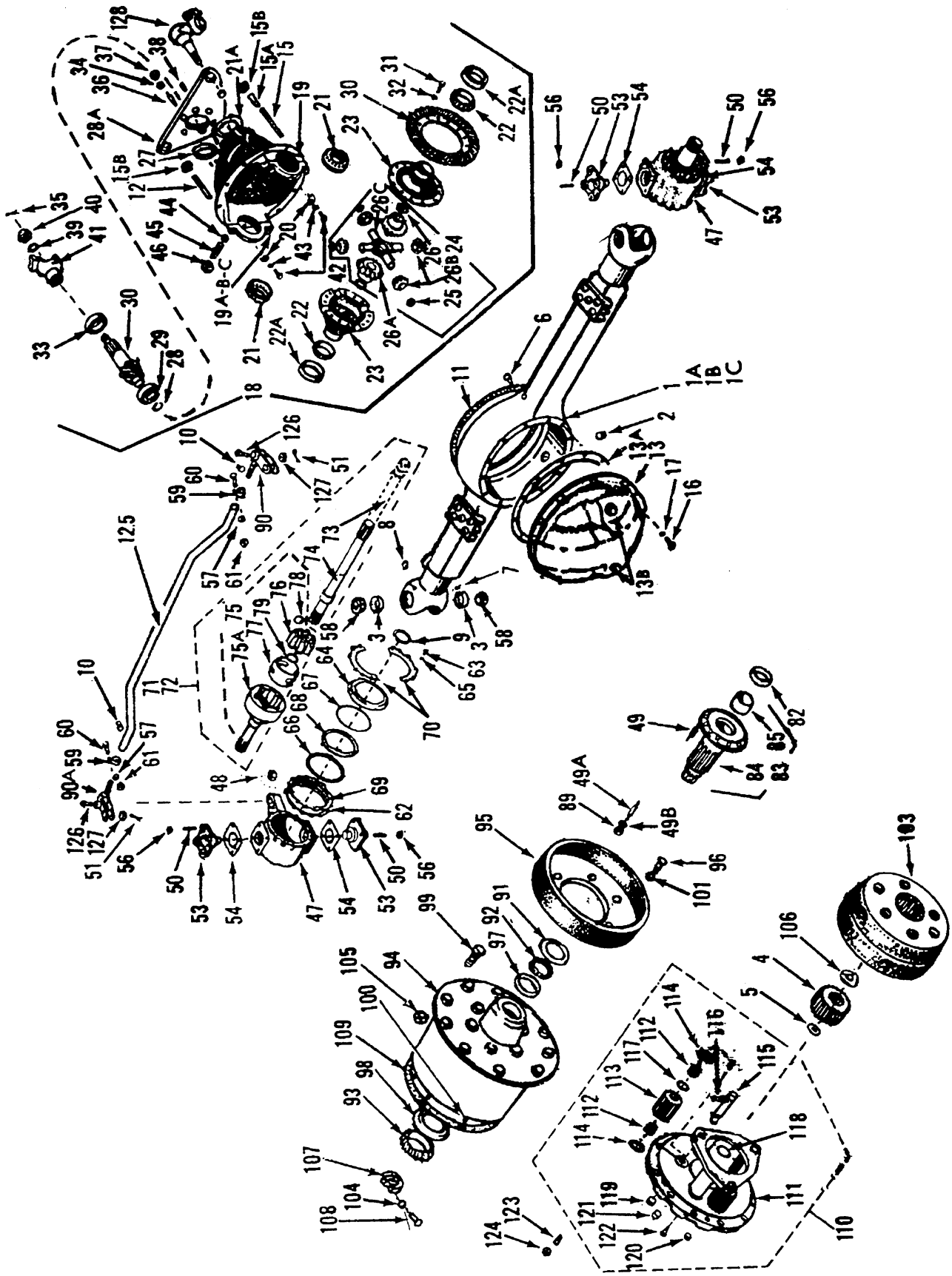


Figure P18009

## P18009 (2 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 31 | P13814 | Bolt, Hx | 12 | ..... | 1/2"-20 x 2" (G7) |
| 32 | P13815 | Lockwasher | 12 | ..... | 1/2", P, Heavy |
| 33 | P13816 | Bearing, Ball | 1 | ..... | Front Pinion Shaft |
| 34 | P13804 | Lockwasher | 6 | ..... | 5/8", P, Heavy |
| 35 | P13818 | Pin, Cotter | 1 | ..... | 1/8" x 1 3/4" |
| 36 | P13819 | Stud | 6 | ..... | Steer Cyl. Brkt. 5/8"-18 |
| 37 | P13820 | Nut, Hx | 6 | ..... | |
| 38 | P13821 | Dowel, Tapered | 6 | ..... | Steer Cyl. Bracket |
| 39 | P13822 | Washer | 1 | ..... | |
| 40 | P13823 | Nut, Pinion | 1 | ..... | 1-1/8"-18 |
| 41 | P13824 | Yoke, Pinion | 1 | ..... | |
| 42 | P19313 | Bolt, Hx. | 2 | ..... | 5/16"-18 x .062" (G5) |
| 43 | P13826 | Lockwasher | 2 | ..... | 5/16", P |
| 44 | P13827 | Pad, Thrust | 1 | ..... | |
| 45 | P13828 | Screw, Thrust Pad | 1 | ..... | |
| 46 | P13928 | Jam Nut, Thrust Pad Screw | 1 | ..... | 7/8"-14 |
| 47 | P19314 | Housing | 2 | ..... | Steer Knuckle (LH & RH) |
| 48 | P19315 | Bushing, Housing | 2 | ..... | Steering Knuckle |
| 49 | P13832 | Stud | 16 | ..... | 7/16" x 2-1/2" (G8) |
| 49A | P13833 | Stud | 8 | ..... | 7/16"-14x7/16"-20x2" |
| 49B | P19316 | Flatwasher | 8 | ..... | 7/16" |
| 50 | P13834 | Stud | 16 | ..... | 1/2"-13 x 1/2"-20 x 2" |
| 51 | P13835 | Cotter Pin | 2 | ..... | 1/8" x 1.25" |
| 53 | P19317 | Trunnion | 4 | ..... | |
| 54 | P13839 | Shim, Knuckle Bearing | AR | ..... | .005" Thick |
| | P13840 | Shim, Knuckle Bearing | AR | ..... | .010" Thick |
| 56 | P13842 | Locknut | 16 | ..... | 1/2"-20 (G8) |
| 57 | P13843 | Lockwasher | 2 | ..... | 5/8", P |
| 58 | P19318 | Cone, Bearing | 4 | ..... | |
| 59 | P13845 | Clamp, Tie Rod | 2 | ..... | |
| 60 | P19319 | Bolt, Hx. | 2 | ..... | 5/8"-11 x 2.75" (G5) |
| 61 | P13847 | Nut, Hx. | 2 | ..... | 5/8"-11 (G2P) |
| 62 | P13848 | Gasket, Knuckle | 2 | ..... | |
| 63 | P19321 | Bolt, Retainer | 24 | ..... | 5/16"-18 x 0.62" (G2) |
| 64 | P19322 | Ring, Split Retainer | 2 | ..... | |
| 65 | P13851 | Lockwasher, Retainer | 24 | ..... | 5/16", Z, Heavy |
| 66 | P19323 | Seal, Felt | 2 | ..... | Steering Ball |
| 67 | P19324 | Spring | 2 | ..... | Ball Seal |
| 68 | P19325 | Seal, Oil | 2 | ..... | Ball End |
| 69 | P19326 | Flange | 2 | ..... | |
| 70 | P19327 | Ring, Retainer Half | 4 | ..... | |
| 71 | P13858 | Complete Shaft & U-Joint Assy | 1 | ..... | LH, Includes Items 73 & 75 |
| 72 | P13859 | Complete Shaft & U-Joint Assy | 1 | ..... | RH, Includes Items 74 & 75 |
| 73 | P13860 | Shaft, Long | 1 | ..... | 37.06" |
| 74 | P13861 | Shaft, Short | 1 | ..... | 30.68" |
| 75 | P13857 | U-Joint | 2 | ..... | Includes Items 75A–79 |

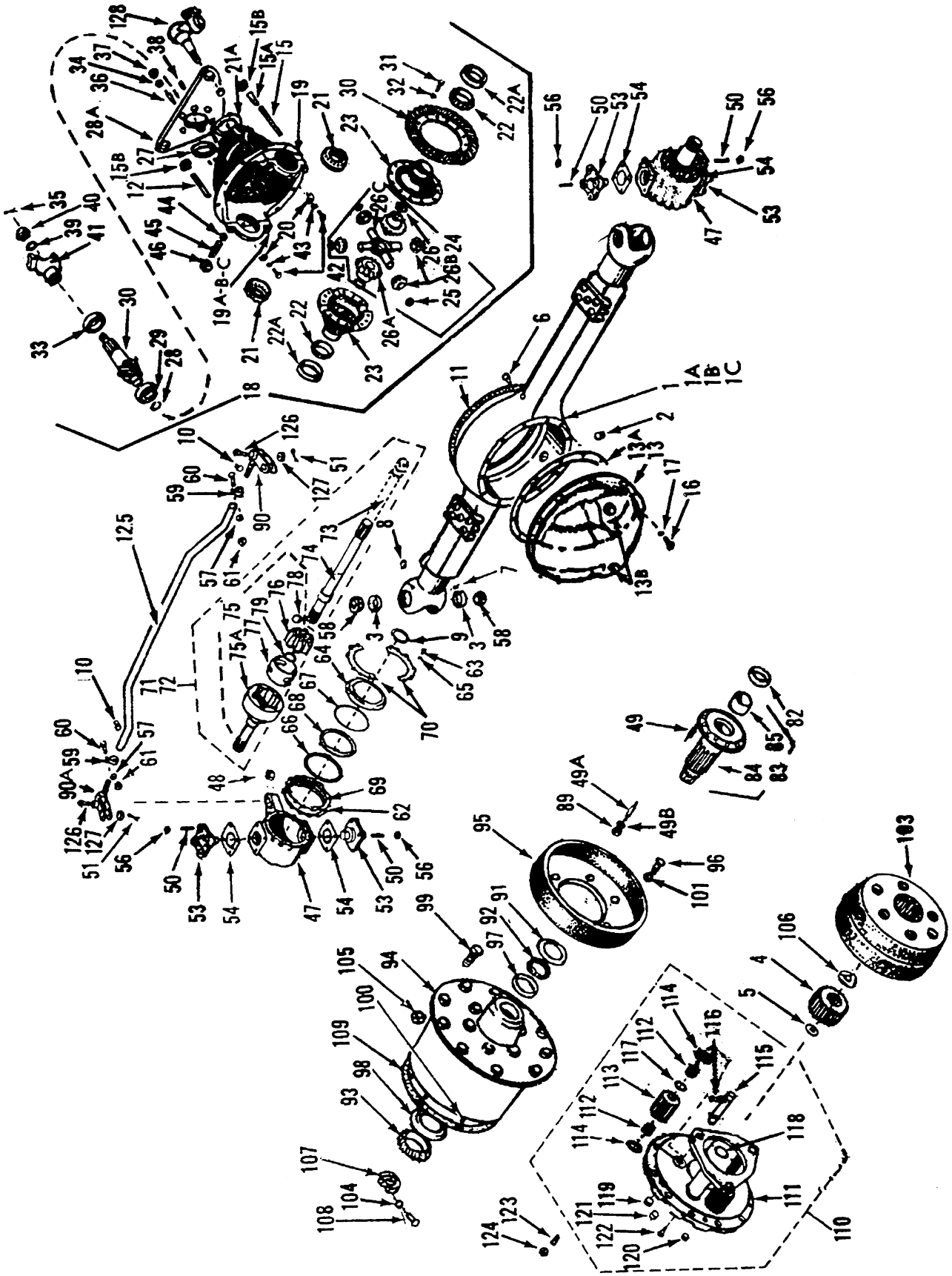


**Figure P18009**

## P18009 (3 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 75A | P13862 | Bell, Outer Race | 2 | ..... | |
| 76 | P13863 | Race | 2 | ..... | Inner |
| 77 | P13864 | Cage, U-Joint | 2 | ..... | |
| 78 | P13865 | Ball, U-Joint | 12 | ..... | |
| 79 | P13866 | Ring, Snap | 2 | ..... | |
| 82 | P13869 | Seal, Oil | 2 | ..... | Axle Shaft |
| 83 | P13870 | Complete Spindle Assy | 2 | ..... | LH & RH, Incl. Items 97 & 98 |
| 84 | P13871 | Spindle | 2 | ..... | LH & RH |
| 85 | P13872 | Bushing, Spindle | 2 | ..... | LH & RH |
| 89 | P13876 | Locknut | 24 | ..... | 7/16"-20 (G8) |
| 90 | P13877 | Clevis | 1 | ..... | LH, Tie Rod End |
| 90A | P13878 | Clevis | 1 | ..... | RH, Tie Rod End |
| 91 | P13879 | Seal, Oil | 2 | ..... | |
| 92 | P13880 | Cone, Bearing | 2 | ..... | Inner |
| 93 | P13881 | Cone, Bearing | 2 | ..... | Outer |
| — | P13882 | Complete Hub Assembly | 2 | ..... | LH & RH, Includes Items 94–101 |
| 94 | P13883 | Hub Only | 2 | ..... | |
| 95 | P13884 | Drum, Brake | 2 | ..... | |
| 96 | P19328 | Bolt, Hx. | 12 | ..... | 5/8"-11 x 1.75" (G8) |
| 97 | P13886 | Cup, Bearing | 2 | ..... | Inner |
| 98 | P13887 | Cut, Bearing | 2 | ..... | Outer |
| 99 | P13888 | Stud, Wheel | 20 | ..... | |
| 100 | P13889 | Stud | 24 | ..... | 7/16"014 x 7/16"-20 x 1.75" |
| 101 | P13843 | Lockwasher | 12 | ..... | 5/8" |
| 103 | P19330 | Ring Gear | 2 | ..... | |
| 104 | P13851 | Lockwasher | 2 | ..... | 5/176", Z, Heavy |
| 105 | P13894 | Lug Nut, Wheel | 20 | ..... | 3/4"-16 |
| 106 | P13895 | Spacer, Ring | 2 | ..... | |
| 107 | P13896 | Locknut, Bearing | 2 | ..... | 2-3/4"-16 |
| 108 | P19331 | Bolt, Hx. | 2 | ..... | 5/16"-24 x 2.25" (G8) |
| 109 | P13898 | Gasket | 2 | ..... | Drive Flange |
| 110 | P19332 | Complete Drive Flange & Planetary Gear Assembly | 2 | ..... | Includes Items 111–122, P19338, P19339 |
| 111 | P19333 | Drive Flange Only | 2 | ..... | |
| 112 | P13901 | Bearing, Needle | 300 | ..... | 50 Qty per Gear |
| 113 | P13902 | Planet Gear | 6 | ..... | |
| 114 | P13903 | Washer, Spacer | 12 | ..... | |
| 115 | P19334 | Pin, Planet Gear | 6 | ..... | |
| 116 | P19335 | Pin, Spring | 6 | ..... | 3/16" x 1.50" |
| 117 | P13906 | Spacer, Planet Gear | 6 | ..... | |
| 118 | P19336 | Thrust Washer | 2 | ..... | |
| 119 | P19337 | Plug, Hx., Soc., Pipe | 2 | ..... | 1/2"-14 |
| 120 | P13867 | Plug, Pipe | 2 | ..... | 1/8" |
| 121 | P13780 | Plug, Magnetic Drain | 2 | ..... | 1/2"-14 |
| 122 | P13868 | Fitting, Relief | 2 | ..... | |
| NI | P19338 | Name Plate (Lull), Drive Flange & Planetary Gear Assembly | 2 | ..... | |

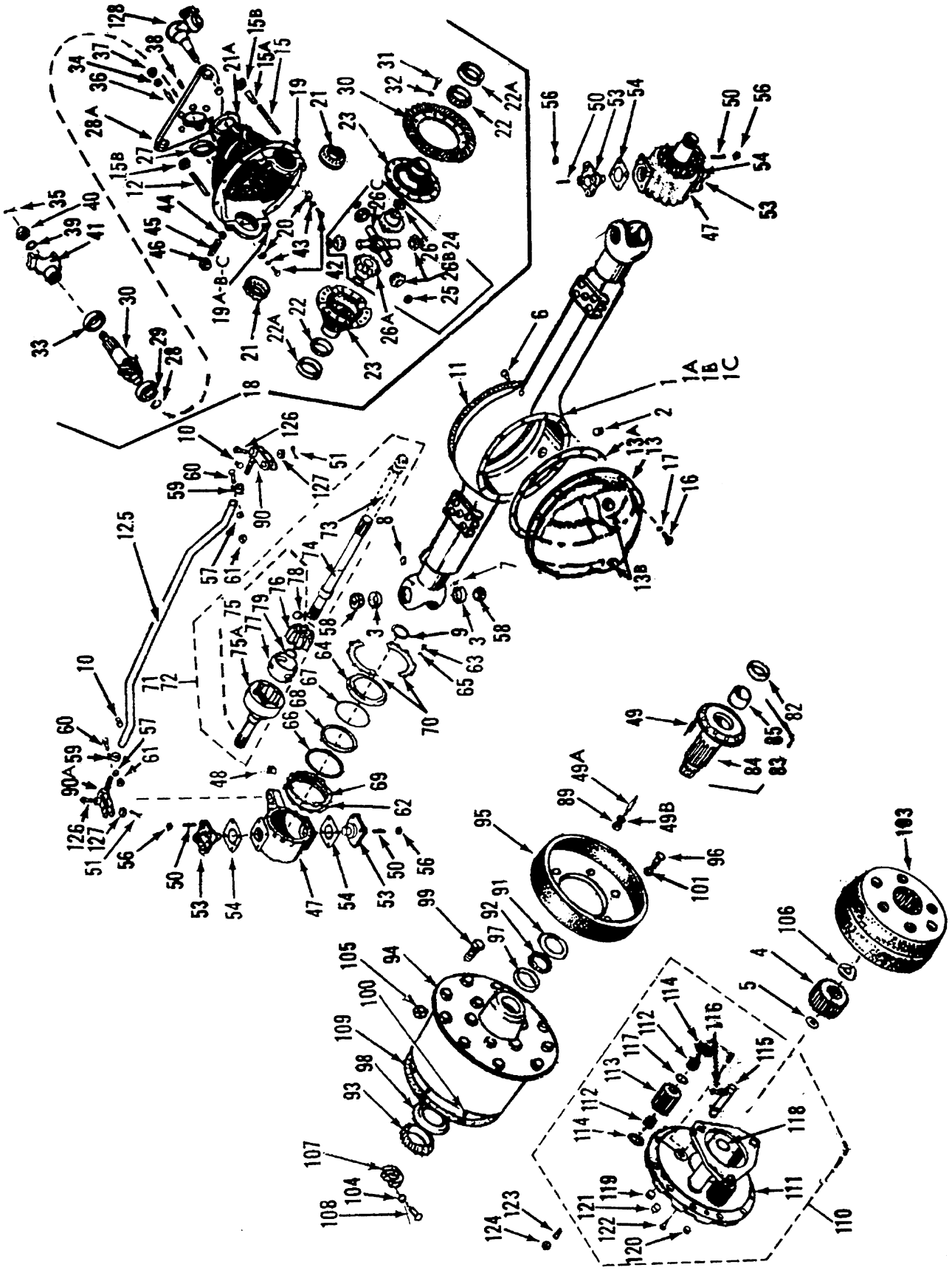


Figure P18009

## P18009 (4 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| NI | P19339 | Screw, Machine | 4 | ..... | #10-32 x 0.31" (Name Plate Mounting) |
| 123 | P13910 | Dowel, Tapered | 24 | ..... | |
| 124 | P13911 | Locknut | 24 | ..... | 7/16"-20 (G8) |
| 125 | P13912 | Tie Rod | 1 | ..... | |
| 126 | P19339 | Stud, Special | 2 | ..... | |
| 127 | P13914 | Nut, Slotted Hd. | 2 | ..... | 5/8"-11 (G2)(Tie Rod) |
| 128 | P13915 | Socket Assembly | 4 | ..... | |
| NI | P19340 | Name Plate | 1 | ..... | Axle Housing |
| NI | P13917 | Drive Screws | 4 | ..... | Axle Name Plate Mounting |
| NI | P13919 | Bearing Set | 1 | ..... | Includes Items 22, 22A, 29, 33 |
| NI | P19341 | Label, Gear Lube | 3 | ..... | |

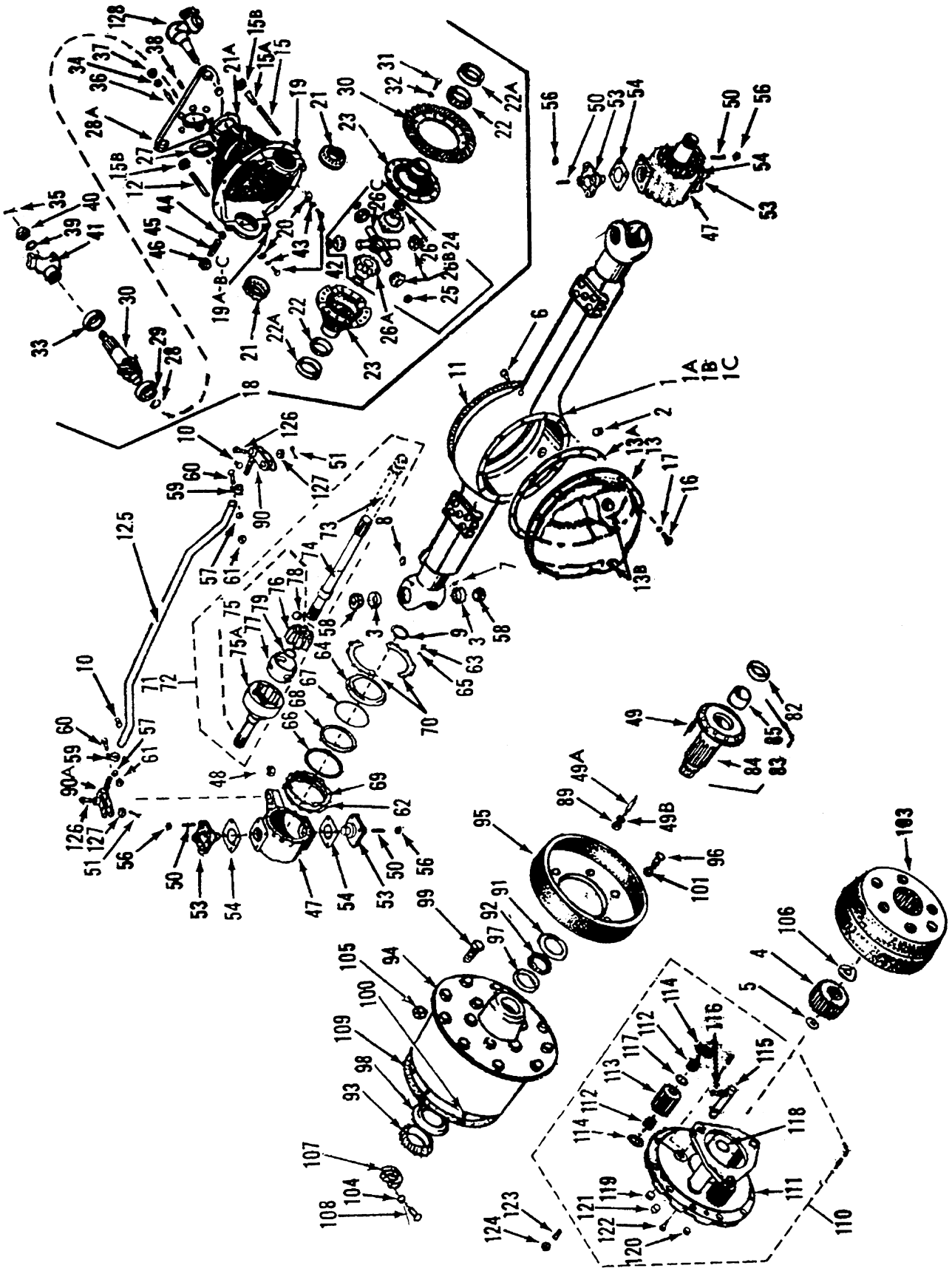


Figure P18010

# P18010 (1 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P18010 | Axle Assembly | 1 | ..... | Front /Complete |
| 1 | P19297 | Axle Housing | 1 | ..... | Rear |
| 2 | P13780 | Plug, Drain | 1 | ..... | Magnetic 1/2"-14 |
| 3 | P19298 | Cup, Bearing | 4 | ..... | |
| 4 | P13782 | Gear, Sun | 2 | ..... | |
| 5 | P13783 | Ring, Retaining | 2 | ..... | |
| 6 | P13784 | Vent, Axle Air | 1 | ..... | |
| 7 | P13785 | Plug, Grease | 2 | ..... | Ball End 3/8"NPT |
| 8 | P13786 | Ftg., Lube | 2 | ..... | 1/8"NPT Straight |
| 9 | P13787 | Seal, Oil | 2 | ..... | Axle Shaft |
| 10 | P13788 | Ftg., Grease | 2 | ..... | Tie Rod 1/4"-28 |
| 11 | P13789 | Gasket | 1 | ..... | Diff. Carrier |
| 12 | P17535 | Stud, Carrier Mounting | 6 | ..... | 7/16"-14 x 7/16"-20 x 1.88" |
| 13 | P13791 | Cover | 1 | ..... | Diff. Assembly |
| 13A | P19299 | Gasket | 1 | ..... | Diff. cover |
| 13B | P19300 | Plug | 2 | ..... | 3/4"-14 |
| NI | P19306 | Washer | 2 | ..... | 5/8" |
| 15 | P13795 | Stud, Carrier Mounting | 4 | ..... | 7/16"-14 x 7/16"-20 x 1.88" |
| 15A | P19307 | Dowel, Carrier Mounting | 4 | ..... | |
| 15B | P17537 | Locknut | 10 | ..... | 7/16"-14 (G8) |
| 16 | P19308 | Bolt, Hx | 10 | ..... | 7/16"-14 x1" (G5PH) |
| 17 | P13797 | Lockwasher | 10 | ..... | 7/16", P, Regular Spring |
| 18 | P13798 | Carrier Assembly | 1 | ..... | Incld. 23 thru 50 |
| 19 | P13799 | Carrier Hsg. and Cap Assembly | 1 | ..... | |
| 19A | P19309 | Bolt, Hx | 4 | ..... | 5/8"-11 x 3 1/4" (G8PH) |
| 19B | P13803 | Dowel | 4 | ..... | |
| 19C | P13804 | Lockwasher | 4 | ..... | 5/8", P, Heavy Spring |
| 20 | P13805 | Lock, Diff. Bearing Adj. Nut | 2 | ..... | |
| 21 | P13806 | Locknut | 2 | ..... | |
| 21A | P13794 | Gasket, Oil Seal | 1 | ..... | Pinion Brg. Retainer |
| 22 | P17185 | Cone | 2 | ..... | Diff. Side |
| 22A | P17186 | Cup | 2 | ..... | Diff. Side |
| 23 | P13808 | Differential Case and Cover Assy. | 1 | ..... | |
| 24 | P17142 | Differential Assembly | 1 | ..... | Includes Items 25–26C |
| 25 | P17144 | Washer, Thrust | 4 | ..... | |
| 26 | P17145 | Washer, Thrust | 2 | ..... | |
| 26A | P19310 | Gear, Side | 2 | ..... | |
| 26B | P19311 | Gear, Pinion | 4 | ..... | |
| 26C | P19312 | Spider | 1 | ..... | |
| 27 | P13841 | Seal, Oil | 1 | ..... | |
| 28 | P13811 | Ring, Locking | 1 | ..... | |
| 28A | P13891 | Bracket, Cylinder Mounting | 1 | ..... | |
| 29 | P13812 | Bearing, Roller | 1 | ..... | Rear Pinion Shaft |
| 30 | P13813 | Ring Gear and Pinion Assembly | 1 | ..... | |

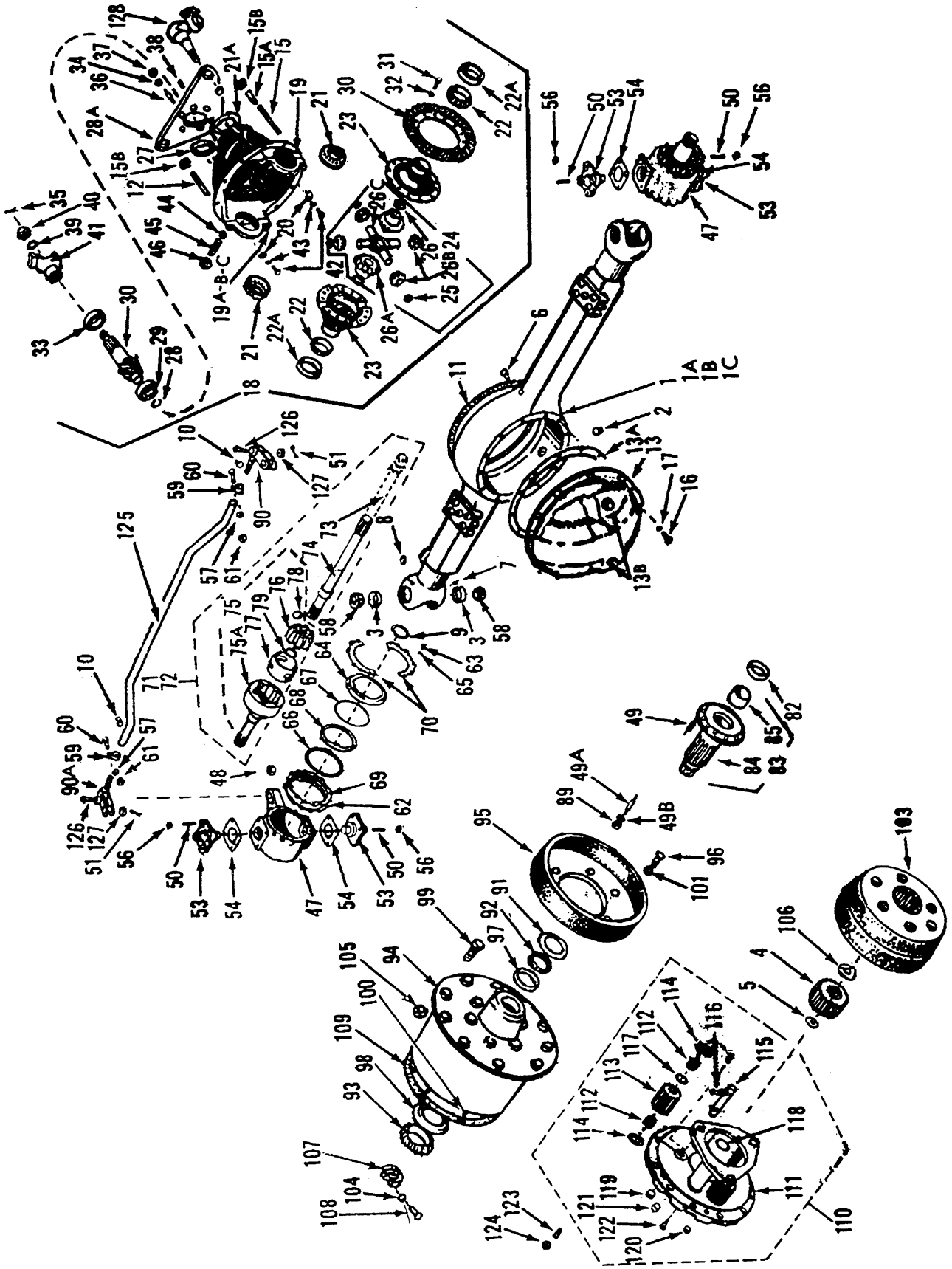


Figure P18010

## P18010 (2 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 31 | P13814 | Bolt, Hx | 12 | ..... | 1/2"-20 x 2" (G7) |
| 32 | P13815 | Lockwasher | 12 | ..... | 1/2", P, Heavy |
| 33 | P13816 | Bearing, Ball | 1 | ..... | Front Pinion Shaft |
| 34 | P13804 | Lockwasher | 6 | ..... | 5/8", P, Heavy |
| 35 | P13818 | Pin, Cotter | 1 | ..... | 1/8" x 1 3/4" |
| 36 | P13819 | Stud | 6 | ..... | Steer Cyl. Brkt. 5/8"-18 |
| 37 | P13820 | Nut, Hx | 6 | ..... | |
| 38 | P13821 | Dowel, Tapered | 6 | ..... | Steer Cyl. Bracket |
| 39 | P13822 | Washer | 1 | ..... | |
| 40 | P13823 | Nut, Pinion | 1 | ..... | 1-1/8"-18 |
| 41 | P13824 | Yoke, Pinion | 1 | ..... | |
| 42 | P19313 | Bolt, Hx. | 2 | ..... | 5/16"-18 x .062" (G5) |
| 43 | P13826 | Lockwasher | 2 | ..... | 5/16", P |
| 44 | P13827 | Pad, Thrust | 1 | ..... | |
| 45 | P13828 | Screw, Thrust Pad | 1 | ..... | |
| 46 | P13928 | Jam Nut, Thrust Pad Screw | 1 | ..... | 7/8"-14 |
| 47 | P19314 | Housing | 2 | ..... | Steer Knuckle (LH & RH) |
| 48 | P19315 | Bushing, Housing | 2 | ..... | Steering Knuckle |
| 49 | P13832 | Stud | 16 | ..... | 7/16" x 2-1/2" (G8) |
| 49A | P13833 | Stud | 8 | ..... | 7/16"-14x7/16"-20x2" |
| 49B | P19316 | Flatwasher | 8 | ..... | 7/16" |
| 50 | P13834 | Stud | 16 | ..... | 1/2"-13 x 1/2"-20 x 2" |
| 51 | P13835 | Cotter Pin | 2 | ..... | 1/8" x 1.25" |
| 53 | P19317 | Trunnion | 4 | ..... | |
| 54 | P13839 | Shim, Knuckle Bearing | AR | ..... | .005" Thick |
| | P13840 | Shim, Knuckle Bearing | AR | ..... | .010" Thick |
| 56 | P13842 | Locknut | 16 | ..... | 1/2"-20 (G8) |
| 57 | P13843 | Lockwasher | 2 | ..... | 5/8", P |
| 58 | P19318 | Cone, Bearing | 4 | ..... | |
| 59 | P13845 | Clamp, Tie Rod | 2 | ..... | |
| 60 | P19319 | Bolt, Hx. | 2 | ..... | 5/8"-11 x 2.75" (G5) |
| 61 | P13847 | Nut, Hx. | 2 | ..... | 5/8"-11 (G2P) |
| 62 | P13848 | Gasket, Knuckle | 2 | ..... | |
| 63 | P19321 | Bolt, Retainer | 24 | ..... | 5/16"-18 x 0.62" (G2) |
| 64 | P19322 | Ring, Split Retainer | 2 | ..... | |
| 65 | P13851 | Lockwasher, Retainer | 24 | ..... | 5/16", Z, Heavy |
| 66 | P19323 | Seal, Felt | 2 | ..... | Steering Ball |
| 67 | P19324 | Spring | 2 | ..... | Ball Seal |
| 68 | P19325 | Seal, Oil | 2 | ..... | Ball End |
| 69 | P19326 | Flange | 2 | ..... | |
| 70 | P19327 | Ring, Retainer Half | 4 | ..... | |
| 71 | P13858 | Complete Shaft & U-Joint Assy | 1 | ..... | LH, Includes Items 73 & 75 |
| 72 | P13859 | Complete Shaft & U-Joint Assy | 1 | ..... | RH, Includes Items 74 & 75 |
| 73 | P13860 | Shaft, Long | 1 | ..... | 37.06" |
| 74 | P13861 | Shaft, Short | 1 | ..... | 30.68" |
| 75 | P13857 | U-Joint | 2 | ..... | Includes Items 75A–79 |

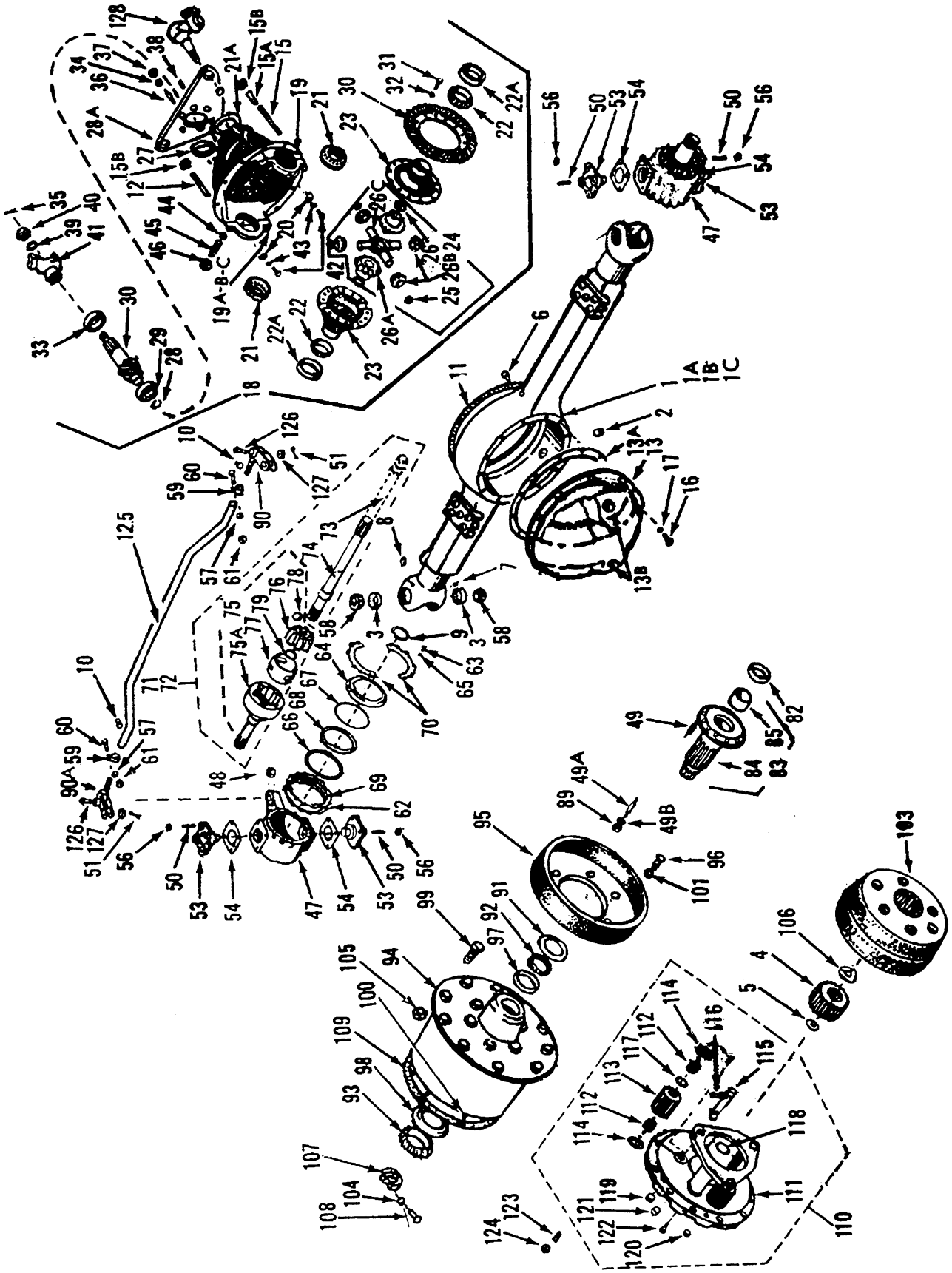


Figure P18010

## P18010 (3 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 75A | P13862 | Bell, Outer Race | 2 | ..... | |
| 76 | P13863 | Race | 2 | ..... | Inner |
| 77 | P13864 | Cage, U-Joint | 2 | ..... | |
| 78 | P13865 | Ball, U-Joint | 12 | ..... | |
| 79 | P13866 | Ring, Snap | 2 | ..... | |
| 82 | P13869 | Seal, Oil | 2 | ..... | Axle Shaft |
| 83 | P13870 | Complete Spindle Assy | 2 | ..... | LH & RH, Incl. Items 97 & 98 |
| 84 | P13871 | Spindle | 2 | ..... | LH & RH |
| 85 | P13872 | Bushing, Spindle | 2 | ..... | LH & RH |
| 89 | P13876 | Locknut | 24 | ..... | 7/16"-20 (G8) |
| 90 | P13877 | Clevis | 1 | ..... | LH, Tie Rod End |
| 90A | P13878 | Clevis | 1 | ..... | RH, Tie Rod End |
| 91 | P13879 | Seal, Oil | 2 | ..... | |
| 92 | P13880 | Cone, Bearing | 2 | ..... | Inner |
| 93 | P13881 | Cone, Bearing | 2 | ..... | Outer |
| — | P13882 | Complete Hub Assembly | 2 | ..... | LH & RH, Includes Items 94–101 |
| 94 | P13883 | Hub Only | 2 | ..... | |
| 95 | P13884 | Drum, Brake | 2 | ..... | |
| 96 | P19328 | Bolt, Hx. | 12 | ..... | 5/8"-11 x 1.75" (G8) |
| 97 | P13886 | Cup, Bearing | 2 | ..... | Inner |
| 98 | P13887 | Cut, Bearing | 2 | ..... | Outer |
| 99 | P13888 | Stud, Wheel | 20 | ..... | |
| 100 | P13889 | Stud | 24 | ..... | 7/16"014 x 7/16"-20 x 1.75" |
| 101 | P13843 | Lockwasher | 12 | ..... | 5/8" |
| 103 | P19330 | Ring Gear | 2 | ..... | |
| 104 | P13851 | Lockwasher | 2 | ..... | 5/176", Z, Heavy |
| 105 | P13894 | Lug Nut, Wheel | 20 | ..... | 3/4"-16 |
| 106 | P13895 | Spacer, Ring | 2 | ..... | |
| 107 | P13896 | Locknut, Bearing | 2 | ..... | 2-3/4"-16 |
| 108 | P19331 | Bolt, Hx. | 2 | ..... | 5/16"-24 x 2.25" (G8) |
| 109 | P13898 | Gasket | 2 | ..... | Drive Flange |
| 110 | P19332 | Complete Drive Flange & Planetary Gear Assembly | 2 | ..... | Includes Items 111–122, P19338, P19339 |
| 111 | P19333 | Drive Flange Only | 2 | ..... | |
| 112 | P13901 | Bearing, Needle | 300 | ..... | 50 Qty per Gear |
| 113 | P13902 | Planet Gear | 6 | ..... | |
| 114 | P13903 | Washer, Spacer | 12 | ..... | |
| 115 | P19334 | Pin, Planet Gear | 6 | ..... | |
| 116 | P19335 | Pin, Spring | 6 | ..... | 3/16" x 1.50" |
| 117 | P13906 | Spacer, Planet Gear | 6 | ..... | |
| 118 | P19336 | Thrust Washer | 2 | ..... | |
| 119 | P19337 | Plug, Hx., Soc., Pipe | 2 | ..... | 1/2"-14 |
| 120 | P13867 | Plug, Pipe | 2 | ..... | 1/8" |
| 121 | P13780 | Plug, Magnetic Drain | 2 | ..... | 1/2"-14 |
| 122 | P13868 | Fitting, Relief | 2 | ..... | |
| NI | P19338 | Name Plate (Lull), Drive Flange & Planetary Gear Assembly | 2 | ..... | |

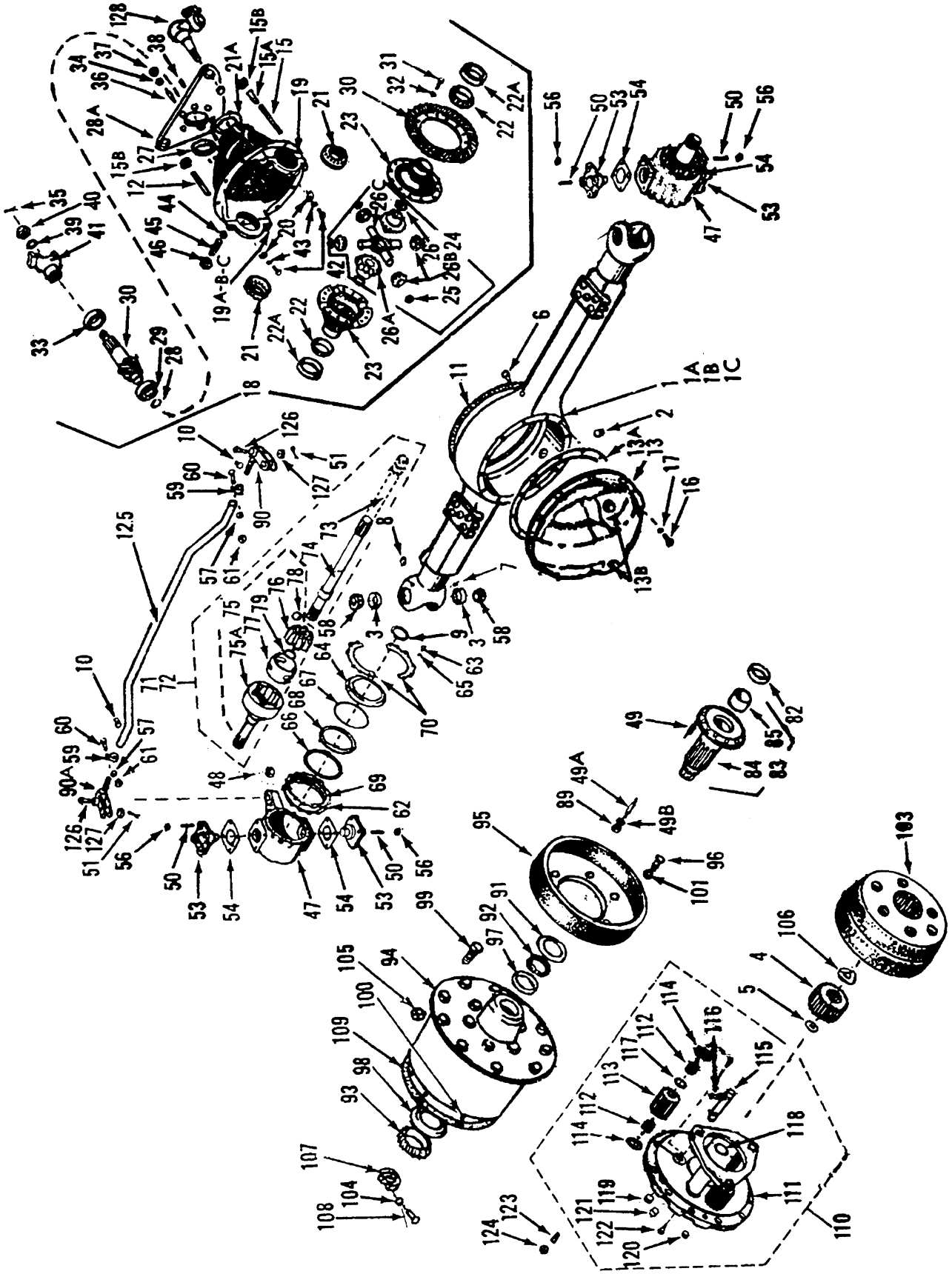


Figure P18010

# P18010 (4 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| NI | P19339 | Screw, Machine | 4 | ..... | #10-32 x 0.31" (Name Plate Mounting) |
| 123 | P13910 | Dowel, Tapered | 24 | ..... | |
| 124 | P13911 | Locknut | 24 | ..... | 7/16"-20 (G8) |
| 125 | P13912 | Tie Rod | 1 | ..... | |
| 126 | P19339 | Stud, Special | 2 | ..... | |
| 127 | P13914 | Nut, Slotted Hd. | 2 | ..... | 5/8"-11 (G2)(Tie Rod) |
| 128 | P13915 | Socket Assembly | 4 | ..... | |
| NI | P19340 | Name Plate | 1 | ..... | Axle Housing |
| NI | P13917 | Drive Screws | 4 | ..... | Axle Name Plate Mounting |
| NI | P13919 | Bearing Set | 1 | ..... | Includes Items 22, 22A, 29, 33 |
| NI | P19341 | Label, Gear Lube | 3 | ..... | |

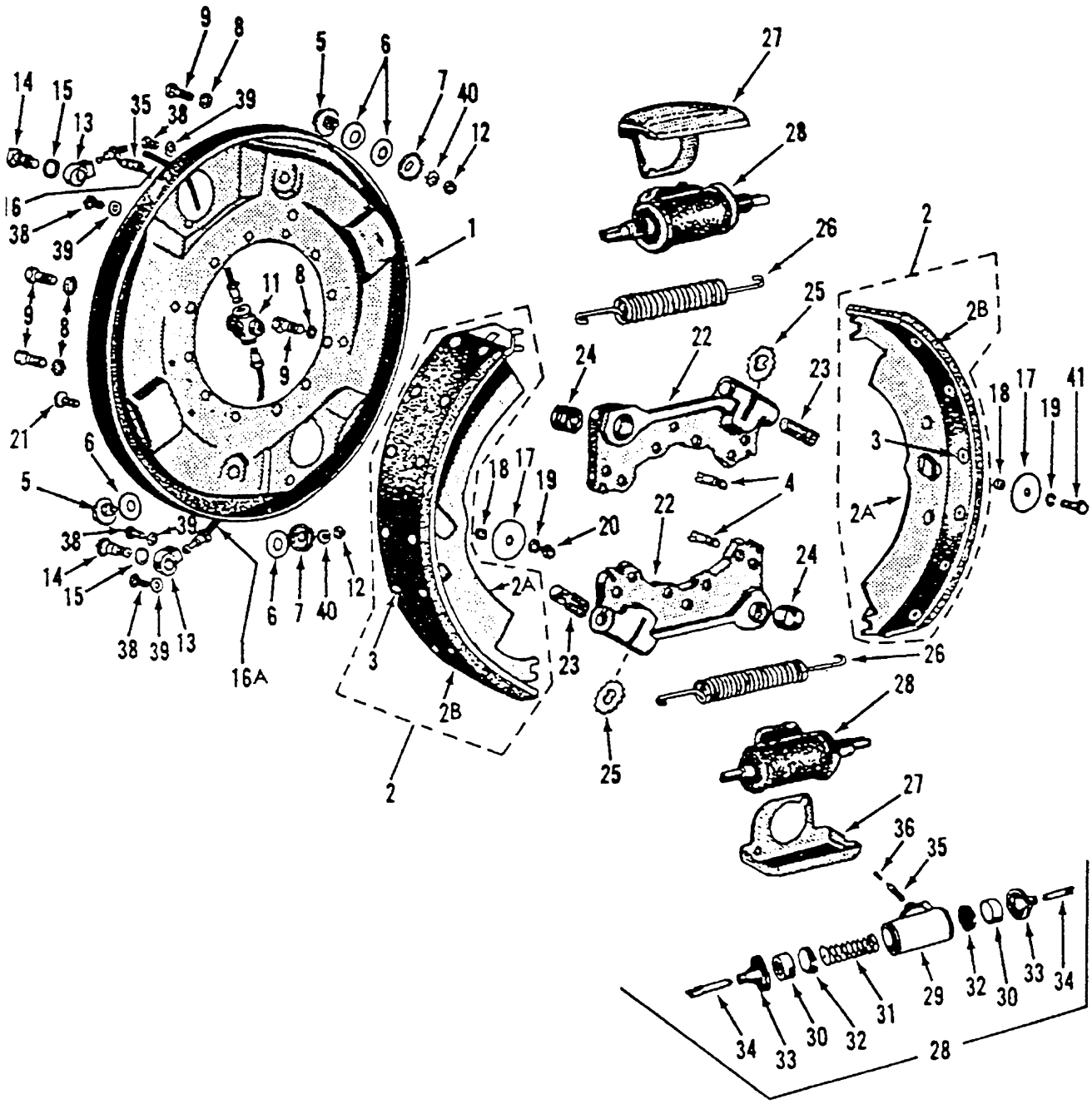



Figure P13873

# P13873 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P13873 | Drum Brake Assembly | – | 101–468 | L.F. & R.R. |
| — | P13874 | Drum Brake Assembly | – | "–" | R.F. & L.R. |
| 1 | P13920 | Backing Plate Assembly - L.F. & R.R. | 1 | "–" | Includes Items 5–9,12, 22, 40 |
| | P13921 | Backing Plate Assembly - R.F. & L.R. | 1 | "–" | Includes Items 5–9,12, 22, 40 |
| 2 | P13924 | Brake Shoe & Lining | 4 | "–" | |
| 2A | P13926 | Shoe only | – | "–" | |
| 2B | P17383 | Kit, Brake Lining | – | "–" | Includes Rivets |
| 3 | P13928 | Rivet, Brake Shoe | 56 | "–" | |
| 4 | P13929 | Pin, Return Spring | 8 | "–" | |
| 5 | P13930 | Stud & Spring Washer | 4 | "–" | |
| 5A | P13936 | Spring Washer only | | "–" | |
| 6 | P13932 | Washer, Stud | 8 | "–" | |
| 7 | P13933 | Gear, Adjusting | 4 | "–" | |
| 8 | P13934 | Starwasher | 8 | "–" | 3/8" C External Tooth |
| 9 | P13935 | Bolt, Hx. | 8 | "–" | 3/8"-24 x 5/8" GR 5Z |
| 11 | P13937 | Fitting, Distributor | 2 | "–" | |
| 12 | P13938 | Jam Nut, Hx. | 4 | "–" | 5/16"-24 |
| 13 | P13939 | Fitting, Hydraulic Brake | 4 | "–" | |
| 14 | P13940 | Bolt, Banjo | 4 | "–" | |
| 15 | P13941 | Gasket, Banjo Bolt | 4 | "–" | Outside |
| NI | P19388 | Gasket, Banjo Bolt | 4 | "–" | Inside |
| 16 | P13944 | Tube, Brake | 2 | "–" | Includes Flare Nuts |
| 16A | P13946 | Tube, Brake | 2 | "–" | Includes Flare Nuts |
| 17 | P13948 | Washer, Shoe Guide Bolt | 4 | "–" | |
| 18 | P13949 | Sleeve, Shoe Guide Bolt | 4 | "–" | |
| 19 | P13950 | Lockwasher | 4 | "–" | 1/4" Medium |
| 20 | P13951 | Nut, Hx. | 2 | "–" | 1/4"-28 Brass |
| 21 | P13952 | Bolt, Shoe Guide | 2 | "–" | |
| 22 | P13953 | Anchor Support - LH | 2 | "–" | Includes Items 23 & 25 |
| | P13954 | Anchor Support - RH | 2 | "–" | Includes Items 23 & 25 |
| 23 | P13957 | Adjusting Screw - LH | 2 | "–" | |
| | P13958 | Adjusting Screw - RH | 2 | "–" | |
| 24 | P13959 | Anchor Pin | 4 | "–" | |
| 25 | P13960 | Wheel, Adjusting | 4 | "–" | |
| 26 | P13961 | Spring, Shoe Return | 4 | "–" | |
| 27 | P13962 | Cover, Wheel Cylinder | 2 | "–" | L.F. & R.R. |
| | P13963 | Cover, Wheel Cylinder | 2 | "–" | R.F. & L.R. |
| 28 | P13965 | Wheel Cylinder | 4 | "–" | Includes Items 29–34 |
| 29 | N.S.S. | Housing | 4 | "–" | |
| 30 | N.S.S. | Piston w/Seal | 8 | "–" | |
| 31 | N.S.S. | Spring | 4 | "–" | |
| 32 | P13969 | Cup, Piston | 8 | "–" | |
| 33 | N.S.S. | Boot | 8 | "–" | |
| 34 | P13971 | Push Rod | 8 | "–" | |
| 35 | P13972 | Bleeder Screw | 4 | "–" | |

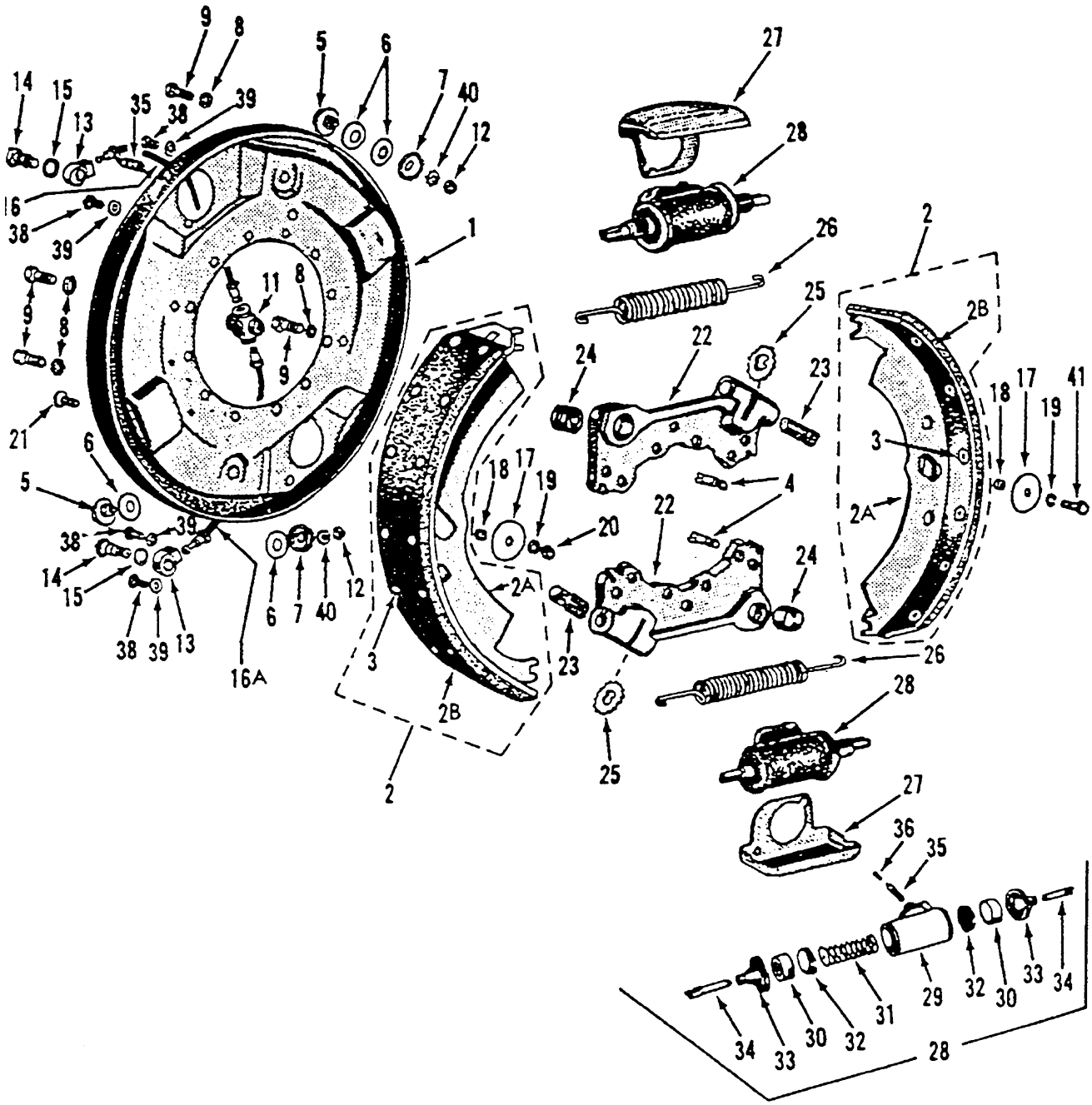



Figure P13873

## P13873 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 36 | P13973 | Cap, Bleeder | 4 | "–" | |
| 38 | P13825 | Bolt, Hx. | 8 | "–" | 5/16"-18 x 5/8" |
| 39 | P13976 | Lockwasher | 8 | "–" | 5/16" Medium |
| 40 | P13977 | Lockwasher | 4 | "–" | 5/16" Internal Tooth |
| 41 | P13978 | Bolt, Shoe Guide | 2 | "–" | 1/4"-28 x 1" |
| NI | P17054 | Wheel Cylinder Repair Kit | | "–" | Includes Items (2) 30, 33 & (1) 31 |

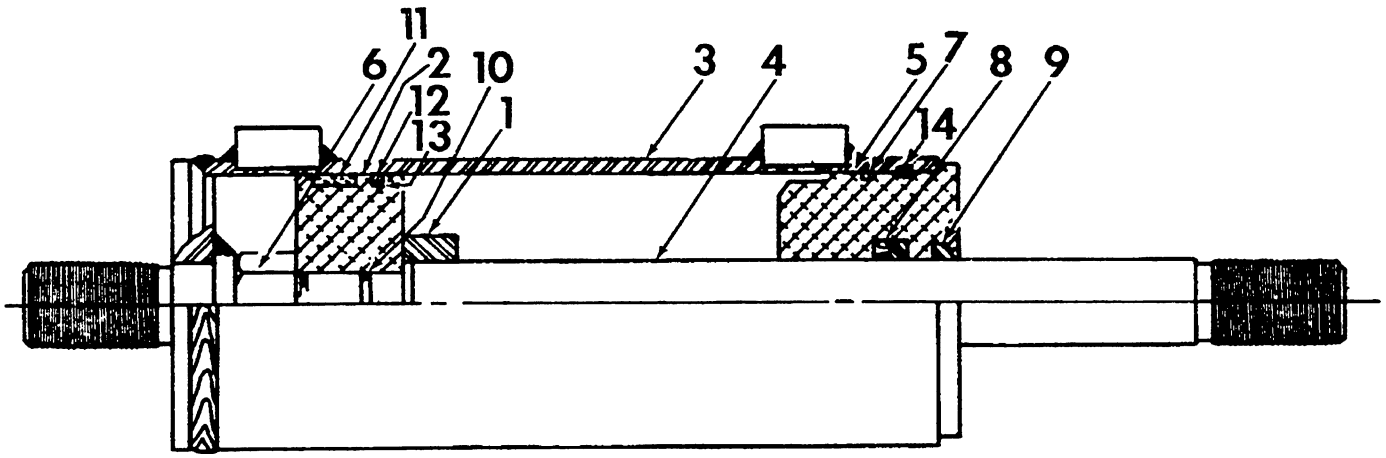



Figure P19383

# P19383

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P19383 | Hydraulic Cylinder Assembly | 1 | ..... | 4-5/8" Stroke, 17-7/16 Collapsed Length |
| 1 | P19367 | Spacer | 1 | ..... | |
| 2 | P19368 | Piston | 1 | ..... | |
| 3 | P19369 | Barrel Assembly | 1 | ..... | |
| 4 | P19371 | Rod | 1 | ..... | 15" |
| 5 | P19372 | Gland | 1 | ..... | |
| 6 | P19373 | Locknut, Self-Locking | 1 | ..... | |
| — | P19382 | Kit. Seal | 1 | ..... | Includes Items 7–14 |
| 7 | P19374 | Gland Static Seal | 1 | ..... | |
| 8 | P19375 | Rod Seal | 1 | ..... | |
| 9 | P19376 | Rod Wiper | 1 | ..... | |
| 10 | P19377 | Rod Static Seal | 1 | ..... | |
| 11 | P19378 | Wear Ring | 1 | ..... | |
| 12 | P19379 | Piston Seal | 1 | ..... | |
| 13 | P19380 | O-Ring | 1 | ..... | |
| 14 | P19381 | Lockwire | 1 | ..... | |

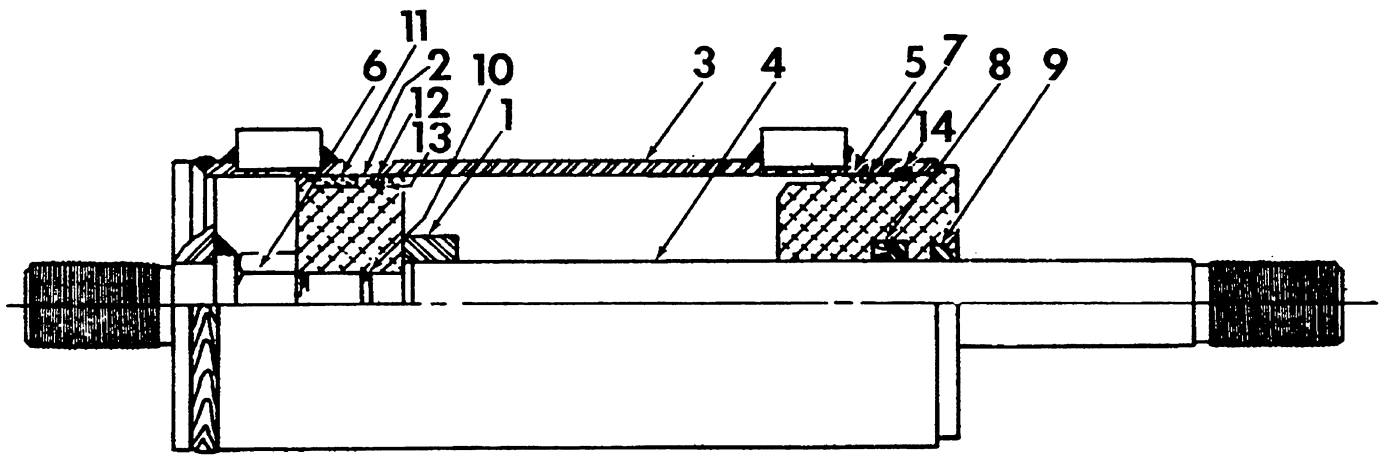



Figure P19366

# P19366

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P19366 | Hydraulic Cylinder Assembly | 1 | ..... | 4-5/8" Stroke, 19-7/8 Collapsed Length |
| 1 | P19367 | Spacer | 1 | ..... | |
| 2 | P19368 | Piston | 1 | ..... | |
| 3 | P19369 | Barrel Assembly | 1 | ..... | |
| 4 | P19370 | Rod | 1 | ..... | 17.44" |
| 5 | P19372 | Gland | 1 | ..... | |
| 6 | P19373 | Locknut, Self-Locking | 1 | ..... | |
| — | P19382 | Kit, Seal | 1 | ..... | Includes Items 7–14 |
| 7 | P19374 | Gland Static Seal | 1 | ..... | |
| 8 | P19375 | Rod Seal | 1 | ..... | |
| 9 | P19376 | Rod Wiper | 1 | ..... | |
| 10 | P19377 | Rod Static Seal | 1 | ..... | |
| 11 | P19378 | Wear Ring | 1 | ..... | |
| 12 | P19379 | Piston Seal | 1 | ..... | |
| 13 | P19380 | O-Ring | 1 | ..... | |
| 14 | P19381 | Lockwire | 1 | ..... | |

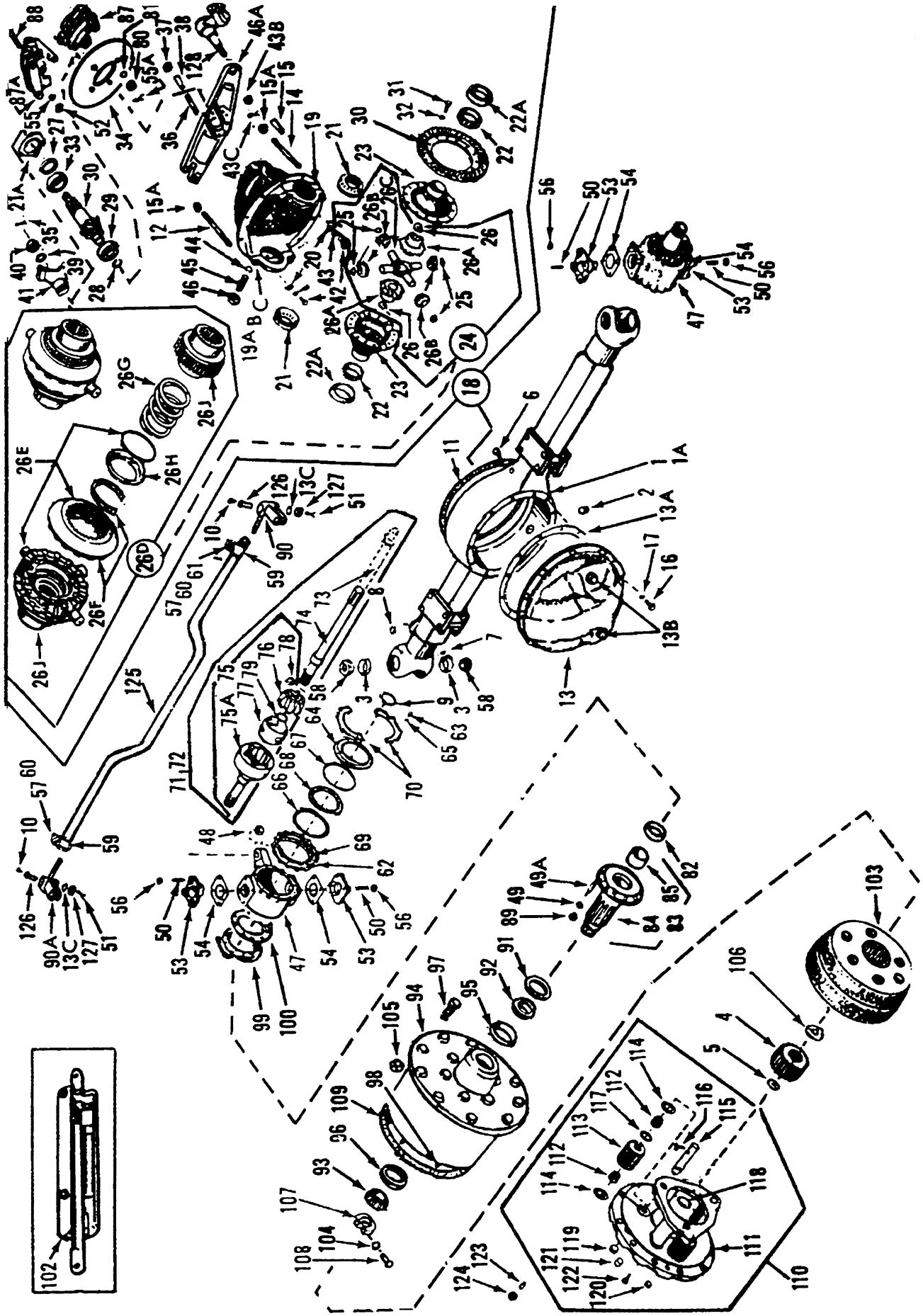


Figure P18068

# P18068 (1 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P18068 | Steer Axle Assy w/No-Spin Diff. Assy | 1 | ..... | w/Heavy Duty 22° Ball Ends |
| 1 | P19296 | Axle Housing Weldment | 1 | ..... | Front |
| 2 | P13780 | Plug, Magnetic Drain | 1 | ..... | 1/2"-14 |
| 3 | P19298 | Cup, Bearing | 4 | ..... | |
| 4 | P13782 | Gear, Sun | 2 | ..... | |
| 5 | P13783 | Ring, Retaining | 2 | ..... | |
| 6 | P13784 | Vent, Axle Air | 1 | ..... | |
| 7 | P13785 | Plug, Ball End Grease | 2 | ..... | 3/8" NPT |
| 8 | P13786 | Fitting, Lubrication | 2 | ..... | 1/8" NPT Straight |
| 9 | P13787 | Seal, Oil | 2 | ..... | Axle Shaft |
| 10 | P13788 | Fitting, Grease | 2 | ..... | 1/4"-28, Tie Rod |
| 11 | P13789 | Gasket, Differential Carrier | 1 | ..... | |
| 12 | P17535 | Stud, Carrier Mounting | 6 | ..... | 7/16"-14 x 7/16"-20 x 1.88" |
| 13 | P13791 | Cover | 1 | | Differential Assembly |
| 13A | P19299 | Gasket | 1 | ..... | Differential Cover |
| 13B | P19300 | Plug, Square Socket | 2 | ..... | 3/4"-14 (Steel) |
| 13C | P19306 | Flatwasher | 2 | ..... | 5/8" |
| 14 | P13795 | Stud, Carrier Mounting | 4 | ..... | 7/16"-14 x 7/16"-20 x 2.25" |
| 15 | P19307 | Dowel, Tapered | 4 | ..... | Carrier Mounting |
| 15A | P17537 | Locknut, Carrier Mounting | 10 | ..... | 7/16"-14 GR 8 |
| 16 | P19308 | Bolt, Hx., Diff. Cover Mounting | 10 | ..... | 7/16"-20 x 1" (GR 5PH) |
| 17 | P13797 | Lockwasher, Diff. Cover Mtg Bolt | 10 | ..... | 7/17", P, Regular Spring |
| 18 | P19342 | Complete Carrier Assembly | 1 | ..... | Includes Items 19–23, 26D–46A |
| 19 | P13799 | Carrier Housing & Cap Assembly | 1 | ..... | |
| 19A | P19309 | Bolt, Hx. | 4 | ..... | 5/8"-11 x 3.25" GR 8PH |
| 19B | P13803 | Dowel | 4 | ..... | |
| 19C | P13804 | Lockwasher | 4 | ..... | 5/8", P, Regular Spring |
| 20 | P13805 | Lock, Diff. Bearing Adjusting Nut | 2 | ..... | |
| 21 | P13806 | Locknut | 2 | ..... | Diff. Side Bearing |
| 21A | P13794 | Gasket | 1 | ..... | |
| 22 | P17185 | Cone | 2 | ..... | Differential Side |
| 22A | P17186 | Cup | 2 | ..... | Differential Side |
| 23 | P13808 | Differential Case & Cover Assembly | 1 | ..... | |
| 26D | P19344 | Complete No-Spin Diff. Assembly | 1 | ..... | Includes Items 26E–26J |
| 26E | P19345 | Spider Assembly | 1 | ..... | |
| 26F | P19346 | Clutch & Holdout Ring Assembly | 2 | ..... | |
| 26G | P19347 | Spring | 2 | ..... | |
| 26H | P19348 | Spring Retainer | 2 | ..... | |
| 26J | P19349 | Side Gear | 2 | ..... | |
| 27 | P13841 | Seal Oil | 1 | ..... | |
| 28 | P13811 | Ring, Lock | 1 | ..... | |
| 29 | P13812 | Bearing, Roller | 1 | ..... | Pinion Shaft, Rear |

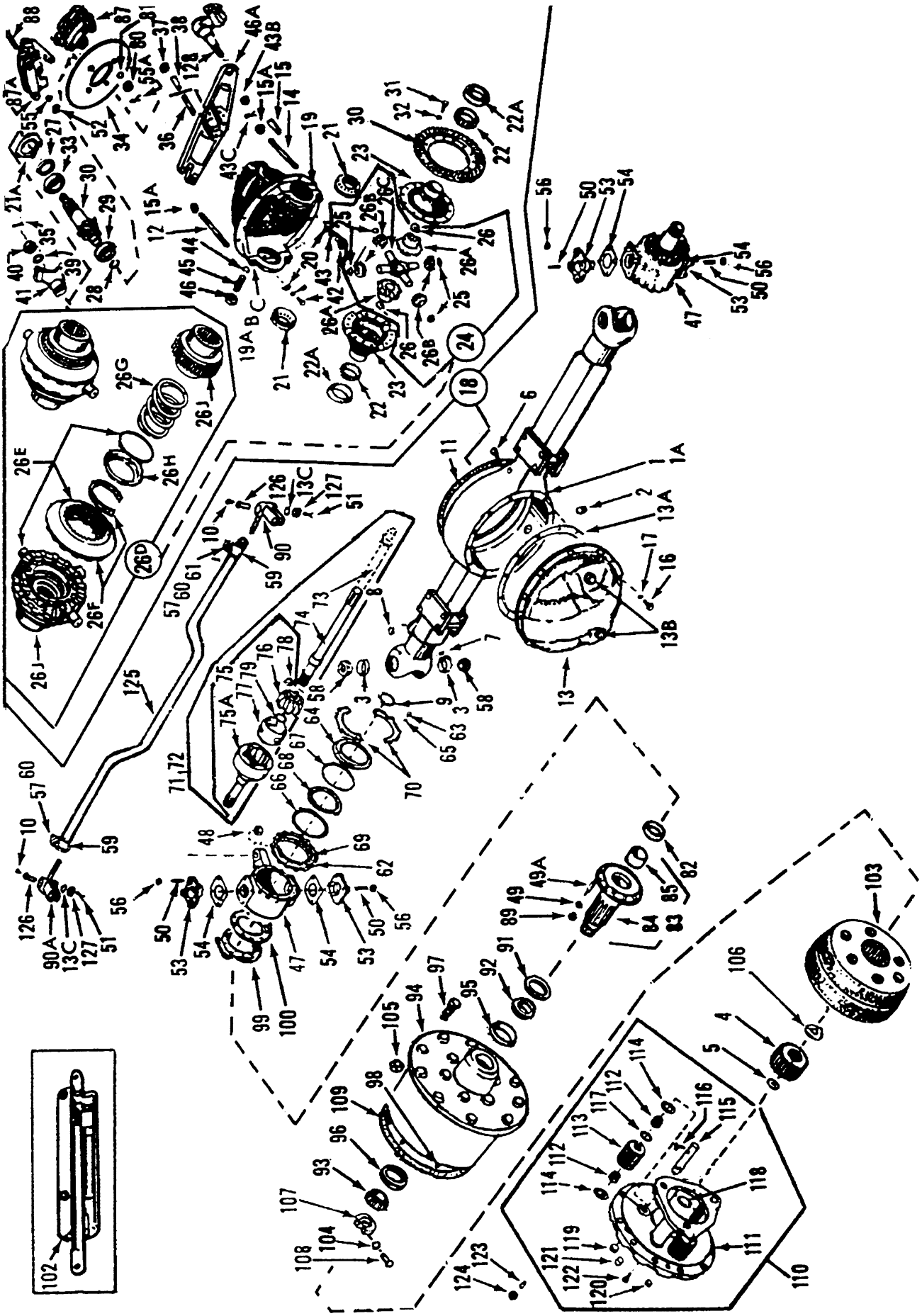


Figure P18068

## P18068 (2 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 30 | P13813 | Ring Gear & Pinion Assembly | 1 | ..... | 6.17:1 Ratio |
| 31 | P13814 | Bolt, Hx., Diff. Ring Gear | 12 | ..... | 1/2"-20 x 2" GR 7 |
| 32 | P13815 | Lockwasher, Ring Gear Bolt | 12 | ..... | 1/2", P, Heavy Spring |
| 33 | P13816 | Bearing, Ball | 1 | ..... | Pinion Shaft, Front |
| 34 | P19350 | Disc, Brake | 1 | ..... | |
| 35 | P13818 | Cotter Pin, Pinion Nut | 1 | ..... | 1/8" x 1.75" |
| 36 | P19351 | Stud, Steer Cyl. & Caliper Mtg Bracket | 6 | ..... | 5/8"-11 x 5/8"-18 x 2.53" |
| 37 | P13820 | Nut, Hx. | 6 | ..... | 5/8"-18 GR 2Z |
| 38 | P13821 | Dowel, Tapered | 6 | ..... | |
| 39 | P13822 | Washer | 1 | ..... | |
| 40 | P13823 | Nut, Pinion | 1 | ..... | 1-1/8"-18 |
| 41 | P19352 | Yoke, Brake | 1 | ..... | |
| 42 | P19313 | Bolt, Bearing Adjusting Nut Lock | 2 | ..... | |
| 43 | P13826 | Lockwasher, Lock Bolt | 2 | ..... | 5/16", P, Regular Spring |
| 43B | P13842 | Locknut | 4 | ..... | 1/2"-20 GR 8 |
| 43C | P13835 | Cotter Pin | 4 | ..... | 1/8" x 1.25", P |
| 44 | P13827 | Pad, Thrust | 1 | ..... | |
| 45 | P13828 | Screw, Thrust Pad | 1 | ..... | |
| 46 | P13829 | Jam Nut, Thrust Pad Screw | 1 | ..... | |
| 46A | P19353 | Stud & Caliper Mounting Assembly | 1 | ..... | Front |
| 47 | P19314 | Housing, Steering Knuckle | 2 | ..... | LH & RH |
| 48 | P19315 | Bushing, Housing, Steering Knuckle | 2 | ..... | LH & RH |
| 49 | P19355 | Washer, Clipped | 24 | ..... | 7/16" |
| 49A | P13833 | Stud, Spindle to Knuckle | 24 | ..... | 7/16"-14 x 7/16"-20 x 2" |
| 50 | P13934 | Stud, Trunnion to Knuckle | 16 | ..... | 1/2"-13 x 1/2"-20 x 2" |
| 51 | P13835 | Cotter Pin | 2 | ..... | 1/8" x 1.25"LG (Tie Rod Bolt) |
| 52 | P19356 | Locknut | 2 | ..... | 1/2"-13 GR 8 |
| 53 | P19317 | Trunnion | 4 | ..... | |
| 54 | P13839 | Shim, Knuckle Bearing | A/R | ..... | .005" Thick |
| 54 | P13840 | Shim, Knuckle Bearing | A/R | ..... | .010" Thick |
| 55 | P19357 | Flatwasher | 2 | ..... | |
| 55A | P19358 | Cotter Pin | 2 | ..... | 1/8" x 1.50" P |
| 56 | P13842 | Locknut | 16 | ..... | 1/2"-20 GR 8 |
| 57 | P13843 | Lockwasher | 2 | ..... | 5/8",P,Reg Spring, (Tie Rod Clamp Bolt |
| 58 | P19318 | Cone, Bearing | 4 | ..... | |
| 59 | P13845 | Clamp, Tie Rod | 2 | ..... | |
| 60 | P19319 | Bolt, Hx. | 2 | ..... | 5/8"-11 x 2.25" GR 5PH, (Tie Rod Clamp Mounting) |
| 61 | P13847 | Nut, Hx. | 2 | ..... | 5/8"-11 GR 2P (Tie Rod Clamp Bolt) |
| 62 | P13848 | Gasket, Knuckle | 2 | ..... | |
| 63 | P19321 | Bolt, Retainer | 24 | ..... | 5/16"-18 x .62" GR 2PH |
| 64 | P19322 | Ring, Split Retainer | 2 | ..... | |
| 65 | P13851 | Lockwasher, Retainer | 26 | ..... | 5/16",Z,Heavy Spring |
| 66 | P19323 | Seal, Felt | 2 | ..... | Steering Ball |

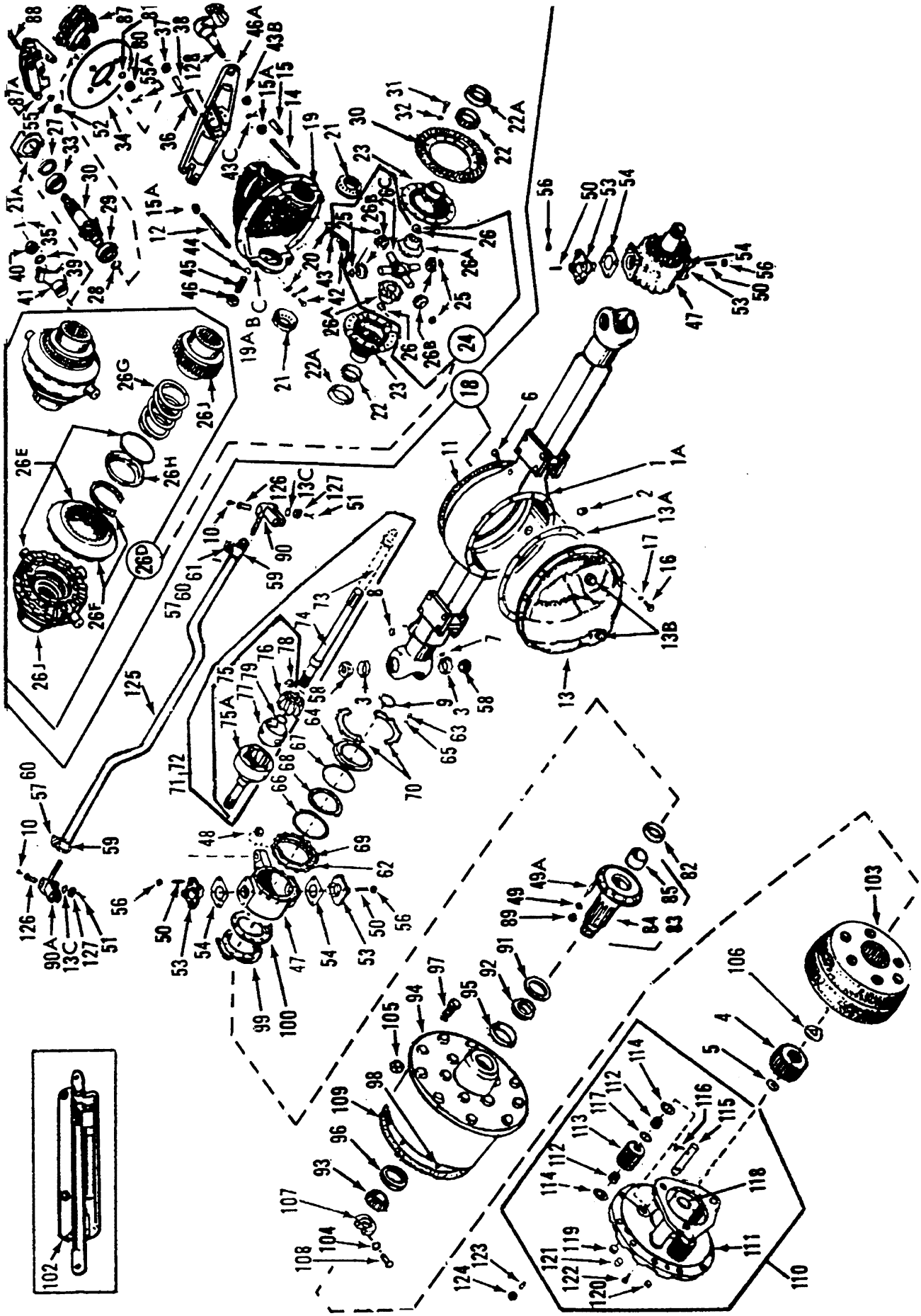


Figure P18068

## P18068 (3 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 67 | P19324 | Spring, Ball Seal | 2 | | |
| 68 | P19325 | Seal, Oil | 2 | | Ball End |
| 69 | P19326 | Flange | 2 | | |
| 70 | P19327 | Ring, Retainer Half | 4 | | |
| 71 | P13858 | Complete Shaft & U-Joint Assembly | 1 | | LH - Includes Items 73 & 75 |
| 72 | P13859 | Complete Shaft & U-Joint Assembly | | | RH - Includes Items 74 & 75 |
| 73 | P13860 | Shaft | 1 | | Long (37.06") |
| 74 | P13861 | Shaft | 1 | | Short (30.68") |
| 75 | P13857 | U-Joint | 1 | | Includes Items 75A–79 |
| 75A | P13862 | Bell, Outer Race | 1 | | |
| 76 | P13863 | Race, Inner | 1 | | |
| 77 | P13864 | Cage, U-Joint | 1 | | |
| 78 | P13865 | Ball, U-Joint | 6 | | |
| 79 | P13866 | Ring, Snap | 1 | | |
| 80 | P19359 | Nut-Heavy, Hx., Slotted | 2 | | 5/8"-11 GR 2P |
| 81 | P19360 | Washer | 2 | | 21/32" x 3/8" x 3/16" |
| 82 | P13869 | Seal, Oil | 2 | | |
| 83 | P13870 | Complete Spindle Assembly | 2 | | LH & RH, Includes Items 84 & 85 |
| 84 | P13871 | Spindle Only | 2 | | |
| 85 | P13872 | Bushing, Spindle | 2 | | LH & RH |
| 87 | P19145 | Complete Caliper Assembly | 1 | | |
| 87A | P19146 | Complete Caliper Assembly | 1 | | |
| 88 | P19361 | Bolt | 2 | | |
| 89 | P13876 | Locknut, Spindle to flange | 24 | | 7/16"-20 GR 8 |
| 90 | P13877 | Clevis | 1 | | LH, Tie Rod End |
| 90A | P13878 | Clevis | 1 | | RH, Tie Rod End |
| 91 | P13879 | Seal, Oil | 2 | | |
| 92 | P13880 | Cone, Bearing | 2 | | Inner |
| 93 | P13881 | Cone, Bearing | 2 | | Outer |
| | P19362 | Complete Hub Assembly | 2 | | LH & RH, Includes Items 94–98 |
| 94 | P13883 | Hub Only | 2 | | |
| 95 | P13886 | Cup, Bearing | 2 | | Inner |
| 96 | P13887 | Cup, Bearing | 2 | | Outer |
| 97 | P13888 | Stud, Wheel | 20 | | |
| 98 | P13889 | Stud, Hub to Drive Flange | 24 | | 7/16"-14 x 7/16"-20 x 1.75" |
| 99 | P19363 | Oil Deflector | 2 | | |
| 100 | P19364 | Spacer | 2 | | |
| 102 | P19389 | Hydraulic Strg. Cylinder (Cross) | 2 | | 4-5/8" Stroke, 17-7/16 Collapsed Length |
| 102 | P19383 | Hydraulic Strg. Cylinder (Lantex) | 2 | | 4-5/8" Stroke, 17-7/16 Collapsed Length |
| 103 | P19330 | Ring Gear | 2 | | |
| 104 | P13804 | Lockwasher | 2 | | 5/16" Heavy Spring |
| 105 | P13894 | Lug Nut, Wheel | 20 | | 3/4"-16 |
| 106 | P13895 | Spacer, Ring | 2 | | |
| 107 | P13896 | Locknut, Bearing | 2 | | 2-3/4"-16 |
| 108 | P19331 | Bolt, Hx. | 2 | | 5/16"-24 x 2.25" GR 5PH |
| 109 | P13898 | Gasket, Drive Flange | 2 | | |

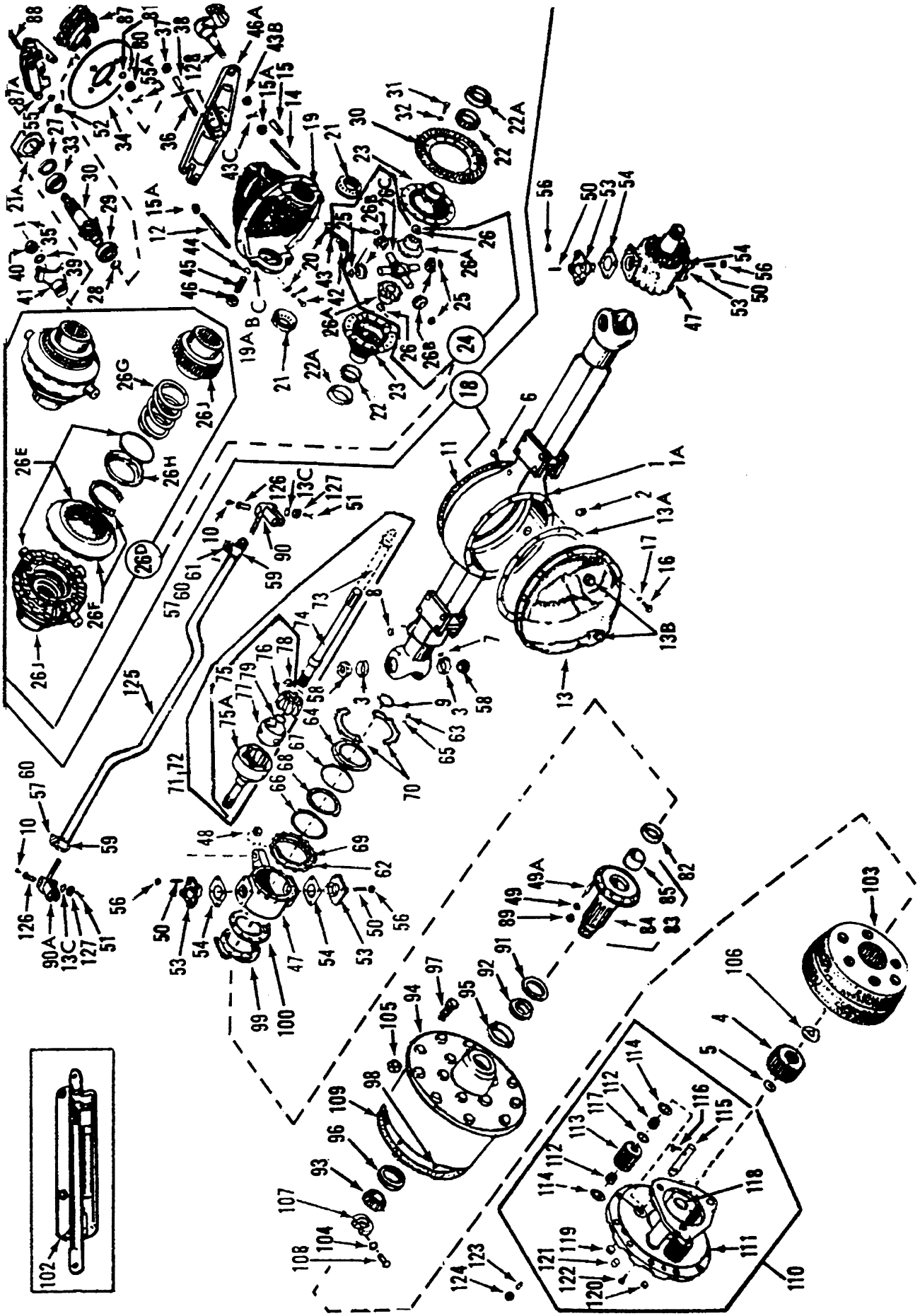


Figure P18068

## P18068 (4 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 110 | P19332 | Complete Drive Flange & Planetary Gear Assembly | 2 | ..... | Includes Items 111–122 |
| 111 | P19333 | Drive Flange Only | 2 | ..... | |
| 112 | P13901 | Bearing, Needle | 300 | ..... | 50 per Gear |
| 113 | P13902 | Planet Gear | 6 | ..... | |
| 114 | P13903 | Washer, Spacer | 12 | ..... | |
| 115 | P19334 | Pin, Planet Gear | 6 | ..... | |
| 116 | P19335 | Pin, spring | 6 | ..... | 3/16" x 1.50" |
| 117 | P13906 | Spacer, Planet Gear | 6 | ..... | |
| 118 | P19336 | Washer, Thrust | 2 | ..... | |
| 119 | P19337 | Plug, Square Socket Pipe | 2 | ..... | 1/2"-14C |
| 120 | P13867 | Plug, Pipe | 2 | ..... | 1/8" NPT |
| 121 | P13780 | Plug, Magnetic Drain | 2 | ..... | 1/2"-14 |
| 122 | P13868 | Fitting, Relief | 2 | ..... | |
| NI | P19338 | Name Plate (Lull) | 2 | ..... | Drive Flange & Planetary Gear Assy |
| NI | P19339 | Screw, Machine (Name Plate Mtg.) | 4 | ..... | #10-32 x 0.31"C |
| 123 | P13910 | Dowel, Tapered | 24 | ..... | |
| 124 | P13911 | Locknut | 24 | ..... | 7/16"-20 GR 8 |
| 125 | P13912 | Tie Rod | 1 | ..... | |
| 126 | P19339 | Stud, Special | 2 | ..... | |
| 127 | P13914 | Nut, Slotted Head | 2 | ..... | 5/8"-11 GR 2P, Tie Rod |
| 128 | P13915 | Socket Assembly | 4 | ..... | |
| NI | P19340 | Name Plate | 1 | ..... | Axle Housing |
| NI | P13917 | Drive Screws | 4 | ..... | Axle Name Plate Mtg, #2 x 1/4" |
| NI | P13919 | Bearing Set | 1 | ..... | Includes Items 22, 22A, 29, 33 |
| NI | P19314 | Label, Gear Lube | 3 | ..... | |

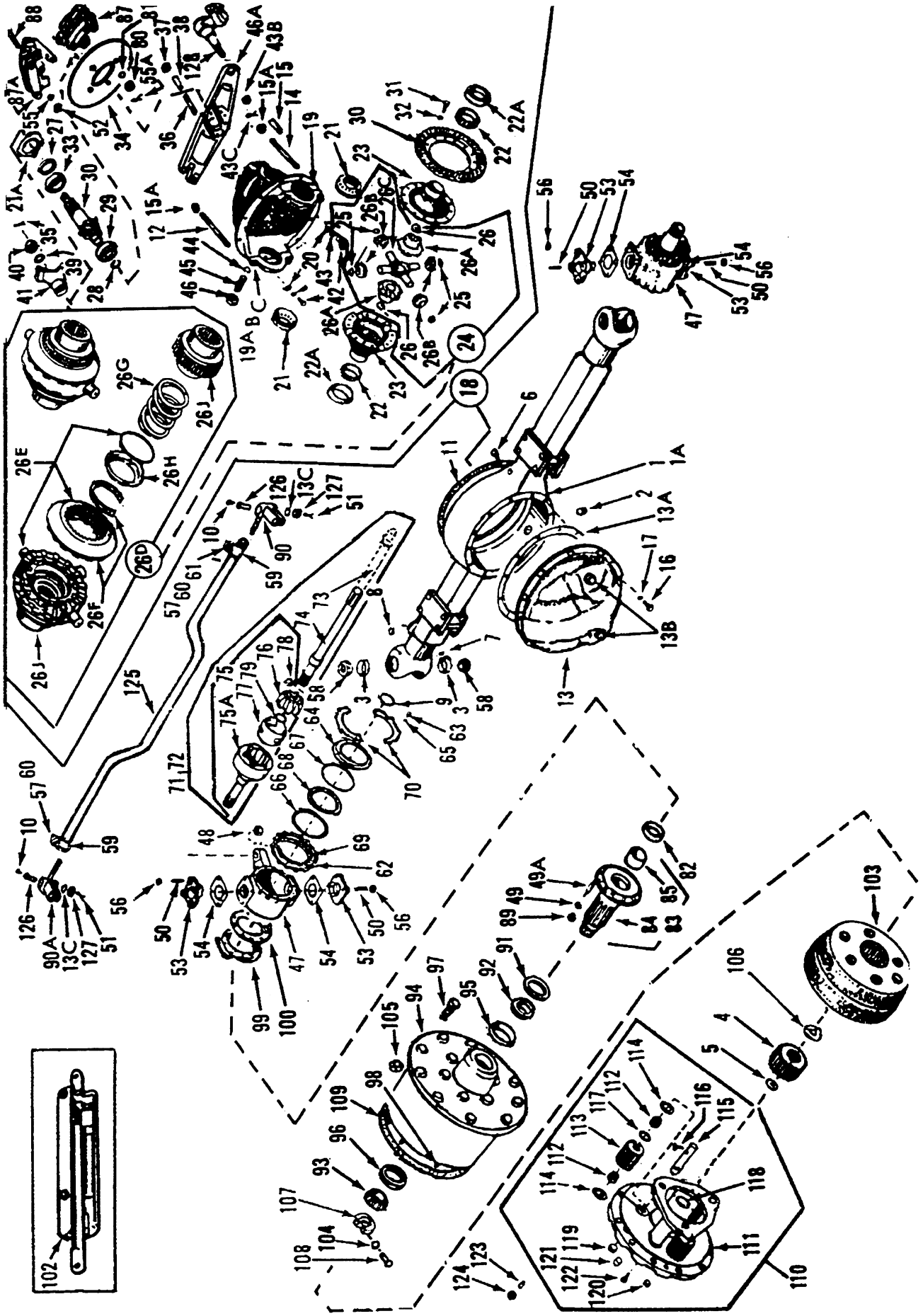


Figure P18069

# P18069 (1 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P18069 | Steer Axle Assy w/Standard Diff. Assy | 1 | ..... | w/Heavy Duty 22° Ball Ends |
| 1 | P19297 | Axle Housing Weldment | 1 | ..... | Rear |
| 2 | P13780 | Plug, Magnetic Drain | 1 | ..... | 1/2"-14 |
| 3 | P19298 | Cup, Bearing | 4 | ..... | |
| 4 | P13782 | Gear, Sun | 2 | ..... | |
| 5 | P13783 | Ring, Retaining | 2 | ..... | |
| 6 | P13784 | Vent, Axle Air | 1 | ..... | |
| 7 | P13785 | Plug, Ball End Grease | 2 | ..... | 3/8" NPT |
| 8 | P13786 | Fitting, Lubrication | 2 | ..... | 1/8" NPT Straight |
| 9 | P13787 | Seal, Oil | 2 | ..... | Axle Shaft |
| 10 | P13788 | Fitting, Grease | 2 | ..... | 1/4"-28, Tie Rod |
| 11 | P13789 | Gasket, Differential Carrier | 1 | ..... | |
| 12 | P17535 | Stud, Carrier Mounting | 6 | ..... | 7/16"-14 x 7/16"-20 x 1.88" |
| 13 | P13791 | Cover | 1 | | Differential Assembly |
| 13A | P19299 | Gasket | 1 | ..... | Differential Cover |
| 13B | P19300 | Plug, Square Socket | 2 | ..... | 3/4"-14 (Steel) |
| 13C | P19306 | Flatwasher | 2 | ..... | 5/8" |
| 14 | P13795 | Stud, Carrier Mounting | 4 | ..... | 7/16"-14 x 7/16"-20 x 2.25" |
| 15 | P19307 | Dowel, Tapered | 4 | ..... | Carrier Mounting |
| 15A | P17537 | Locknut, Carrier Mounting | 10 | ..... | 7/16"-14 GR 8 |
| 16 | P19308 | Bolt, Hx., Diff. Cover Mounting | 10 | ..... | 7/16"-20 x 1" (GR 5PH) |
| 17 | P13797 | Lockwasher, Diff. Cover Mtg Bolt | 10 | ..... | 7/17", P, Regular Spring |
| 18 | P19343 | Complete Carrier Assembly | 1 | ..... | Includes Items 19–26C, 27–46A |
| 19 | P13799 | Carrier Housing & Cap Assembly | 1 | ..... | |
| 19A | P19309 | Bolt, Hx. | 4 | ..... | 5/8"-11 x 3.25" GR 8PH |
| 19B | P13803 | Dowel | 4 | ..... | |
| 19C | P13804 | Lockwasher | 4 | ..... | 5/8", P, Regular Spring |
| 20 | P13805 | Lock, Diff. Bearing Adjusting Nut | 2 | ..... | |
| 21 | P13806 | Locknut | 2 | ..... | Diff. Side Bearing |
| 21A | P13794 | Gasket | 1 | ..... | |
| 22 | P17185 | Cone | 2 | ..... | Differential Side |
| 22A | P17186 | Cup | 2 | ..... | Differential Side |
| 23 | P13808 | Differential Case & Cover Assembly | 1 | ..... | |
| 26D | P17142 | Complete Diff. Assembly, Standard | 1 | ..... | Includes Items 25–26C |
| 25 | P17144 | Washer, Thrust | 4 | ..... | |
| 26 | P17145 | Washer, thrust | 2 | ..... | |
| 26A | P19310 | Gear, Side | 2 | ..... | |
| 26B | P19311 | Gear, Pinion | 4 | ..... | |
| 26C | P19312 | Spider | 1 | ..... | |
| 27 | P13841 | Seal Oil | 1 | ..... | |
| 28 | P13811 | Ring, Lock | 1 | ..... | |
| 29 | P13812 | Bearing, Roller | 1 | ..... | Pinion Shaft, Rear |

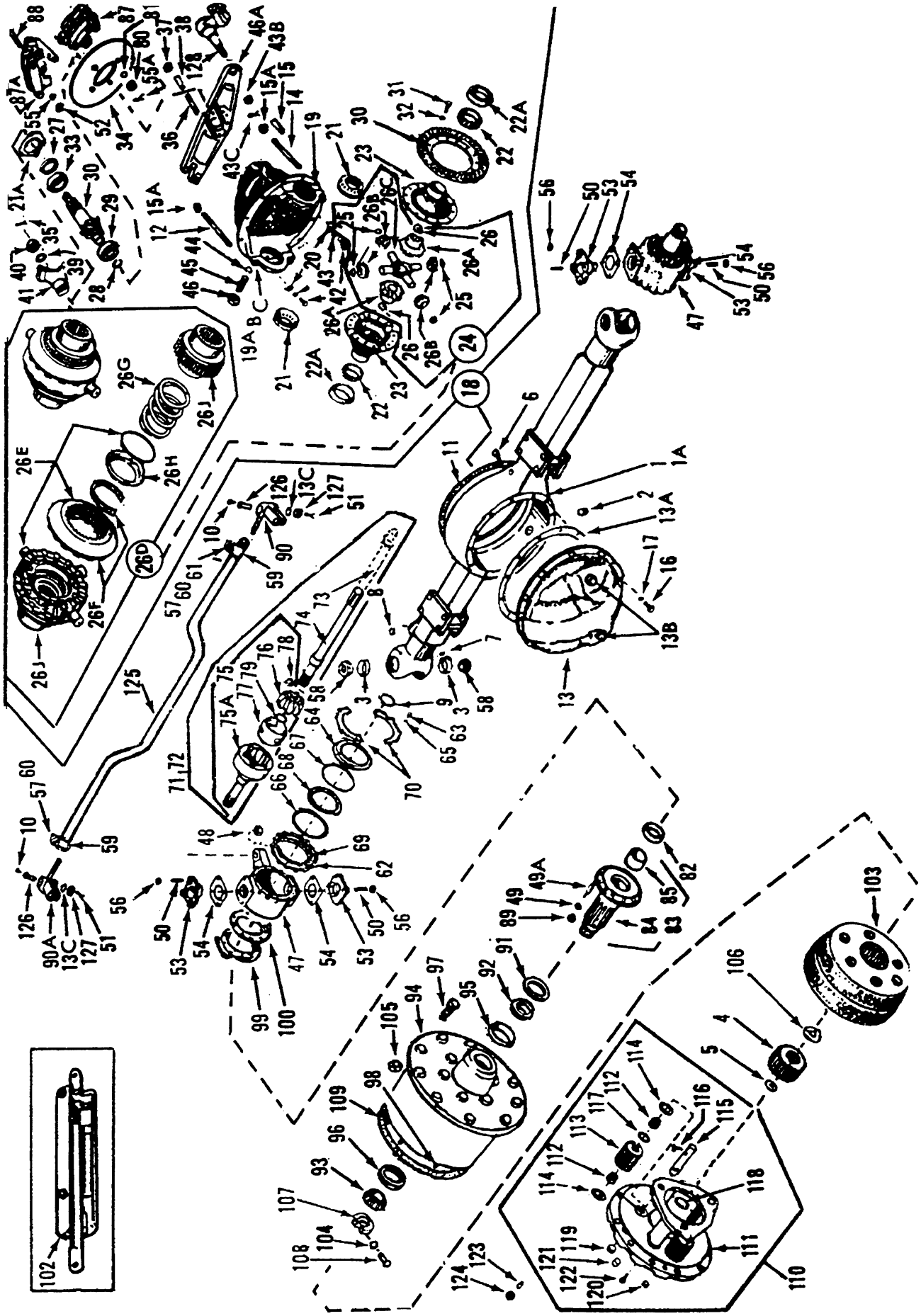


Figure P18069

## P18069 (2 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 30 | P13813 | Ring Gear & Pinion Assembly | 1 | ..... | 6.17:1 Ratio |
| 31 | P13814 | Bolt, Hx., Diff. Ring Gear | 12 | ..... | 1/2"-20 x 2" GR 7 |
| 32 | P13815 | Lockwasher, Ring Gear Bolt | 12 | ..... | 1/2", P, Heavy Spring |
| 33 | P13816 | Bearing, Ball | 1 | ..... | Pinion Shaft, Front |
| 34 | P19350 | Disc, Brake | 1 | ..... | |
| 35 | P13818 | Cotter Pin, Pinion Nut | 1 | ..... | 1/8" x 1.75" |
| 36 | P19351 | Stud, Steer Cyl. & Caliper Mtg Bracket | 6 | ..... | 5/8"-11 x 5/8"-18 x 2.53" |
| 37 | P13820 | Nut, Hx. | 6 | ..... | 5/8"-18 GR 2Z |
| 38 | P13821 | Dowel, Tapered | 6 | ..... | |
| 39 | P13822 | Washer | 1 | ..... | |
| 40 | P13823 | Nut, Pinion | 1 | ..... | 1-1/8"-18 |
| 41 | P19352 | Yoke, Brake | 1 | ..... | |
| 42 | P19313 | Bolt, Bearing Adjusting Nut Lock | 2 | ..... | |
| 43 | P13826 | Lockwasher, Lock Bolt | 2 | ..... | 5/16", P, Regular Spring |
| 43B | P13842 | Locknut | 4 | ..... | 1/2"-20 GR 8 |
| 43C | P13835 | Cotter Pin | 4 | ..... | 1/8" x 1.25", P |
| 44 | P13827 | Pad, Thrust | 1 | ..... | |
| 45 | P13828 | Screw, Thrust Pad | 1 | ..... | |
| 46 | P13829 | Jam Nut, Thrust Pad Screw | 1 | ..... | |
| 46A | P19353 | Stud & Caliper Mounting Assembly | 1 | ..... | Front |
| 47 | P19314 | Housing, Steering Knuckle | 2 | ..... | LH & RH |
| 48 | P19315 | Bushing, Housing, Steering Knuckle | 2 | ..... | LH & RH |
| 49 | P19355 | Washer, Clipped | 24 | ..... | 7/16" |
| 49A | P13833 | Stud, Spindle to Knuckle | 24 | ..... | 7/16"-14 x 7/16"-20 x 2" |
| 50 | P13934 | Stud, Trunnion to Knuckle | 16 | ..... | 1/2"-13 x 1/2"-20 x 2" |
| 51 | P13835 | Cotter Pin | 2 | ..... | 1/8" x 1.25"LG (Tie Rod Bolt) |
| 52 | P19356 | Locknut | 2 | ..... | 1/2"-13 GR 8 |
| 53 | P19317 | Trunnion | 4 | ..... | |
| 54 | P13839 | Shim, Knuckle Bearing | A/R | ..... | .005" Thick |
| 54 | P13840 | Shim, Knuckle Bearing | A/R | ..... | .010" Thick |
| 55A | P19358 | Cotter Pin | 2 | ..... | 1/8" x 1.50" P |
| 56 | P13842 | Locknut | 16 | ..... | 1/2"-20 GR 8 |
| 57 | P13843 | Lockwasher | 2 | ..... | 5/8",P,Reg Spring, (Tie Rod Clamp Bolt |
| 58 | P19318 | Cone, Bearing | 4 | ..... | |
| 59 | P13845 | Clamp, Tie Rod | 2 | ..... | |
| 60 | P19319 | Bolt, Hx. | 2 | ..... | 5/8"-11 x 2.25" GR 5PH, (Tie Rod Clamp Mounting) |
| 61 | P13847 | Nut, Hx. | 2 | ..... | 5/8"-11 GR 2P (Tie Rod Clamp Bolt) |
| 62 | P13848 | Gasket, Knuckle | 2 | ..... | |
| 63 | P19321 | Bolt, Retainer | 24 | ..... | 5/16"-18 x .62" GR 2PH |
| 64 | P19322 | Ring, Split Retainer | 2 | ..... | |
| 65 | P13851 | Lockwasher, Retainer | 26 | ..... | 5/16",Z,Heavy Spring |
| 66 | P19323 | Seal, Felt | 2 | ..... | Steering Ball |
| 67 | P19324 | Spring, Ball Seal | 2 | ..... | |

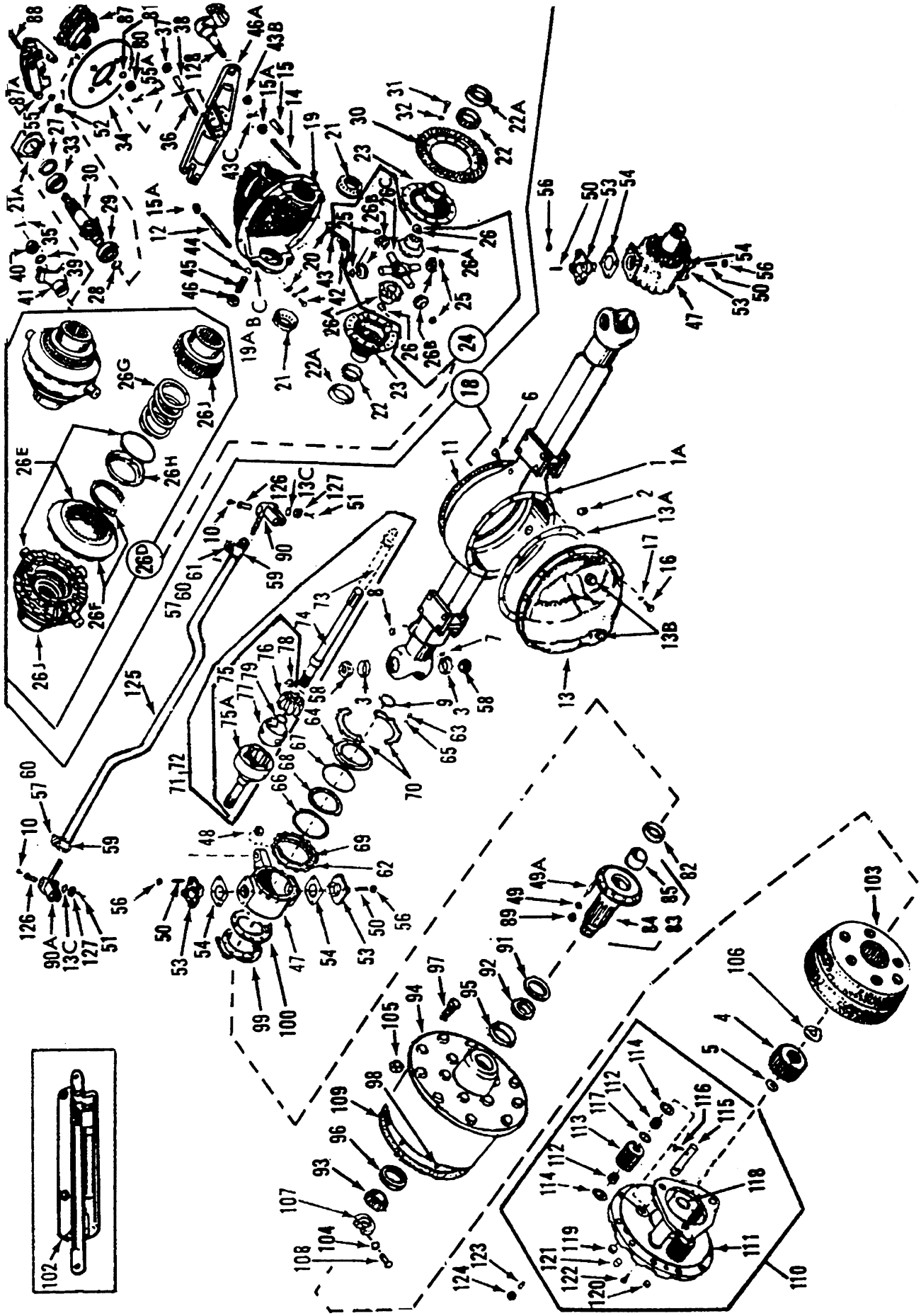


Figure P18069

## P18069 (3 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 68 | P19325 | Seal, Oil | 2 | ..... | Ball End |
| 69 | P19326 | Flange | 2 | ..... | |
| 70 | P19327 | Ring, Retainer Half | 4 | ..... | |
| 71 | P13858 | Complete Shaft & U-Joint Assembly | 1 | ..... | LH - Includes 73 & 75 |
| 72 | P13859 | Complete Shaft & U-Joint Assembly | | ..... | RH - Includes 74 & 75 |
| 73 | P13860 | Shaft | 1 | ..... | Long (37.06") |
| 74 | P13861 | Shaft | 1 | ..... | Short (30.68") |
| 75 | P13857 | U-Joint | 1 | ..... | Includes Items 75A–79 |
| 75A | P13862 | Bell, Outer Race | 1 | ..... | |
| 76 | P13863 | Race, Inner | 1 | ..... | |
| 77 | P13864 | Cage, U-Joint | 1 | ..... | |
| 78 | P13865 | Ball, U-Joint | 6 | ..... | |
| 79 | P13866 | Ring, Snap | 1 | ..... | |
| 80 | P19359 | Nut-Heavy, Hx., Slotted | 2 | ..... | 5/8"-11 GR 2P |
| 81 | P19360 | Washer | 2 | ..... | 21/32" x 3/8" x 3/16" |
| 82 | P13869 | Seal, Oil | 2 | ..... | |
| 83 | P13870 | Complete Spindle Assembly | 2 | ..... | LH & RH, Includes Items 84, 85 |
| 84 | P13871 | Spindle Only | 2 | ..... | |
| 85 | P13872 | Bushing, Spindle | 2 | ..... | LH & RH |
| 87 | P19145 | Complete Caliper Assembly | 1 | ..... | See Brake Caliper Assembly (P19145) |
| 89 | P13876 | Locknut, Spindle to flange | 24 | ..... | 7/16"-20 GR 8 |
| 90 | P13877 | Clevis | 1 | ..... | LH, Tie Rod End |
| 90A | P13878 | Clevis | 1 | ..... | RH, Tie Rod End |
| 91 | P13879 | Seal, Oil | 2 | ..... | |
| 92 | P13880 | Cone, Bearing | 2 | ..... | Inner |
| 93 | P13881 | Cone, Bearing | 2 | ..... | Outer |
| | P19362 | Complete Hub Assembly | 2 | ..... | LH & RH, Includes Items 94–98 |
| 94 | P13883 | Hub Only | 2 | ..... | |
| 95 | P13886 | Cup, Bearing | 2 | ..... | Inner |
| 96 | P13887 | Cup, Bearing | 2 | ..... | Outer |
| 97 | P13888 | Stud, Wheel | 20 | ..... | |
| 98 | P13889 | Stud, Hub to Drive Flange | 24 | ..... | 7/16"-14 x 7/16"-20 x 1.75" |
| 99 | P19363 | Oil Deflector | 2 | ..... | |
| 100 | P19364 | Spacer | 2 | ..... | |
| 102 | P19389 | Hydraulic Strg. Cylinder (Cross) | 2 | ..... | 4-5/8" Stroke, 17-7/16 Collapsed Length |
| 102 | P19383 | Hydraulic Strg. Cylinder (Lantex) | 2 | ..... | 4-5/8" Stroke, 17-7/16 Collapsed Length |
| 103 | P19330 | Ring Gear | 2 | ..... | |
| 104 | P13804 | Lockwasher | 2 | ..... | 5/16" Heavy Spring |
| 105 | P13894 | Lug Nut, Wheel | 20 | ..... | 3/4"-16 |
| 106 | P13895 | Spacer, Ring | 2 | ..... | |
| 107 | P13896 | Locknut, Bearing | 2 | ..... | 2-3/4"-16 |
| 108 | P19331 | Bolt, Hx. | 2 | ..... | 5/16"-24 x 2.25" GR 5PH |
| 109 | P13898 | Gasket, Drive Flange | 2 | ..... | |
| 110 | P19332 | Complete Drive Flange & Planetary Gear Assembly | 2 | ..... | Includes Items 111–122 |

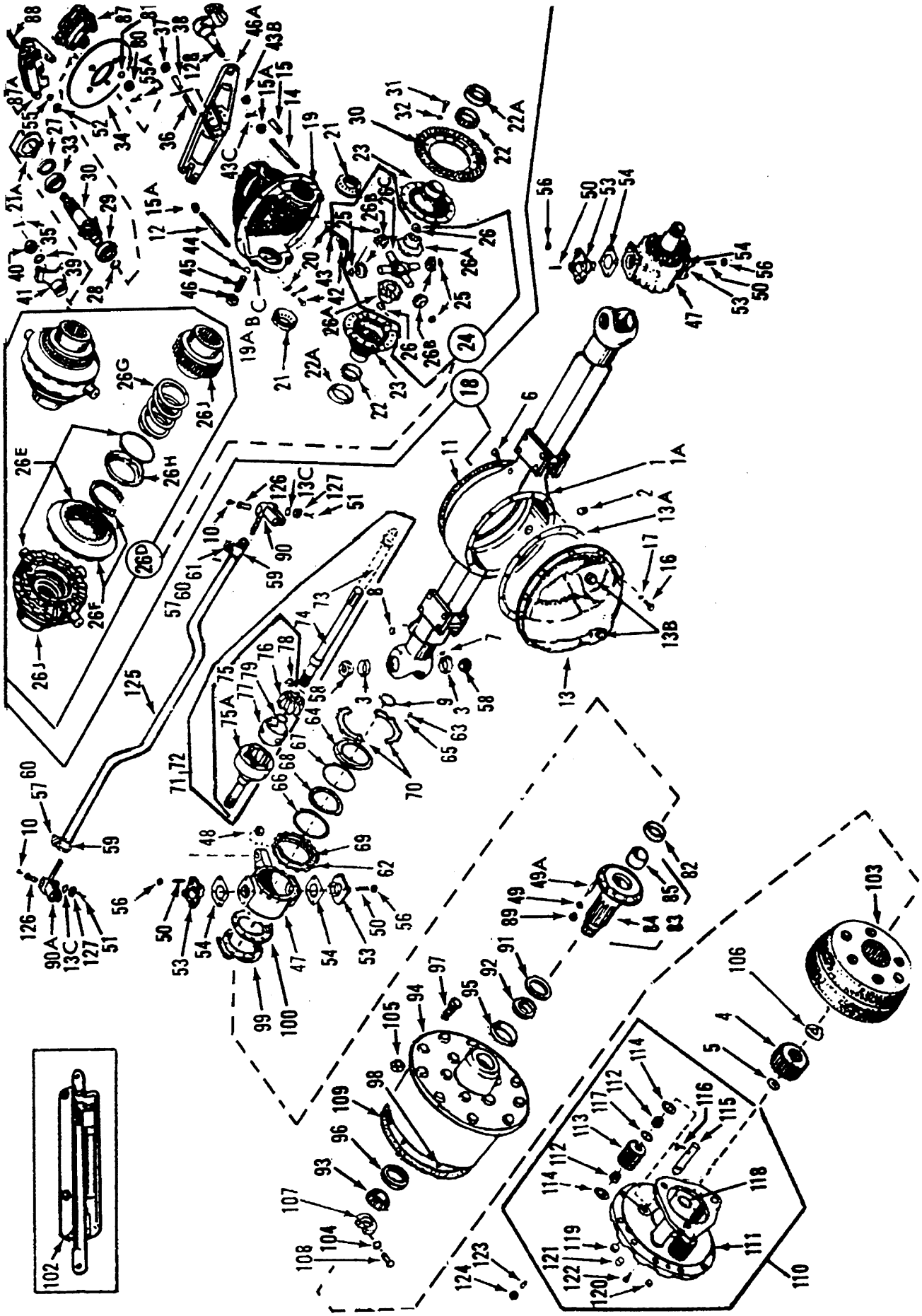


Figure P18069

## P18069 (4 of 4)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 111 | P19333 | Drive Flange Only | 2 | ..... | |
| 112 | P13901 | Bearing, Needle | 300 | ..... | 50 Quantity per Gear |
| 113 | P13902 | Planet Gear | 6 | ..... | |
| 114 | P13903 | Washer, Spacer | 12 | ..... | |
| 115 | P19334 | Pin, Planet Gear | 6 | ..... | |
| 116 | P19335 | Pin, spring | 6 | ..... | 3/16" x 1.50" |
| 117 | P13906 | Spacer, Planet Gear | 6 | ..... | |
| 118 | P19336 | Washer, Thrust | 2 | ..... | |
| 119 | P19337 | Plug, Square Socket Pipe | 2 | ..... | 1/2"-14C |
| 120 | P13867 | Plug, Pipe | 2 | ..... | 1/8" NPT |
| 121 | P13780 | Plug, Magnetic Drain | 2 | ..... | 1/2"-14 |
| 122 | P13868 | Fitting, Relief | 2 | ..... | |
| NI | P19338 | Name Plate (Lull) | 2 | ..... | Drive Flange & Planetary Gear Assy |
| NI | P19339 | Screw, Machine (Name Plate Mtg.) | 4 | ..... | #10-32 x 0.31"C |
| 123 | P13910 | Dowel, Tapered | 24 | ..... | |
| 124 | P13911 | Locknut | 24 | ..... | 7/16"-20 GR 8 |
| 125 | P13912 | Tie Rod | 1 | ..... | |
| 126 | P19339 | Stud, Special | 2 | ..... | |
| 127 | P13914 | Nut, Slotted Head | 2 | ..... | 5/8"-11 GR 2P, Tie Rod |
| 128 | P13915 | Socket Assembly | 4 | ..... | |
| NI | P19340 | Name Plate | 1 | ..... | Axle Housing |
| NI | P13917 | Drive Screws | 4 | ..... | Axle Name Plate Mtg, #2 x 1/4" |
| NI | P13919 | Bearing Set | 1 | ..... | Includes Items 22, 22A, 29, 33 |
| NI | P19314 | Label, Gear Lube | 3 | ..... | |

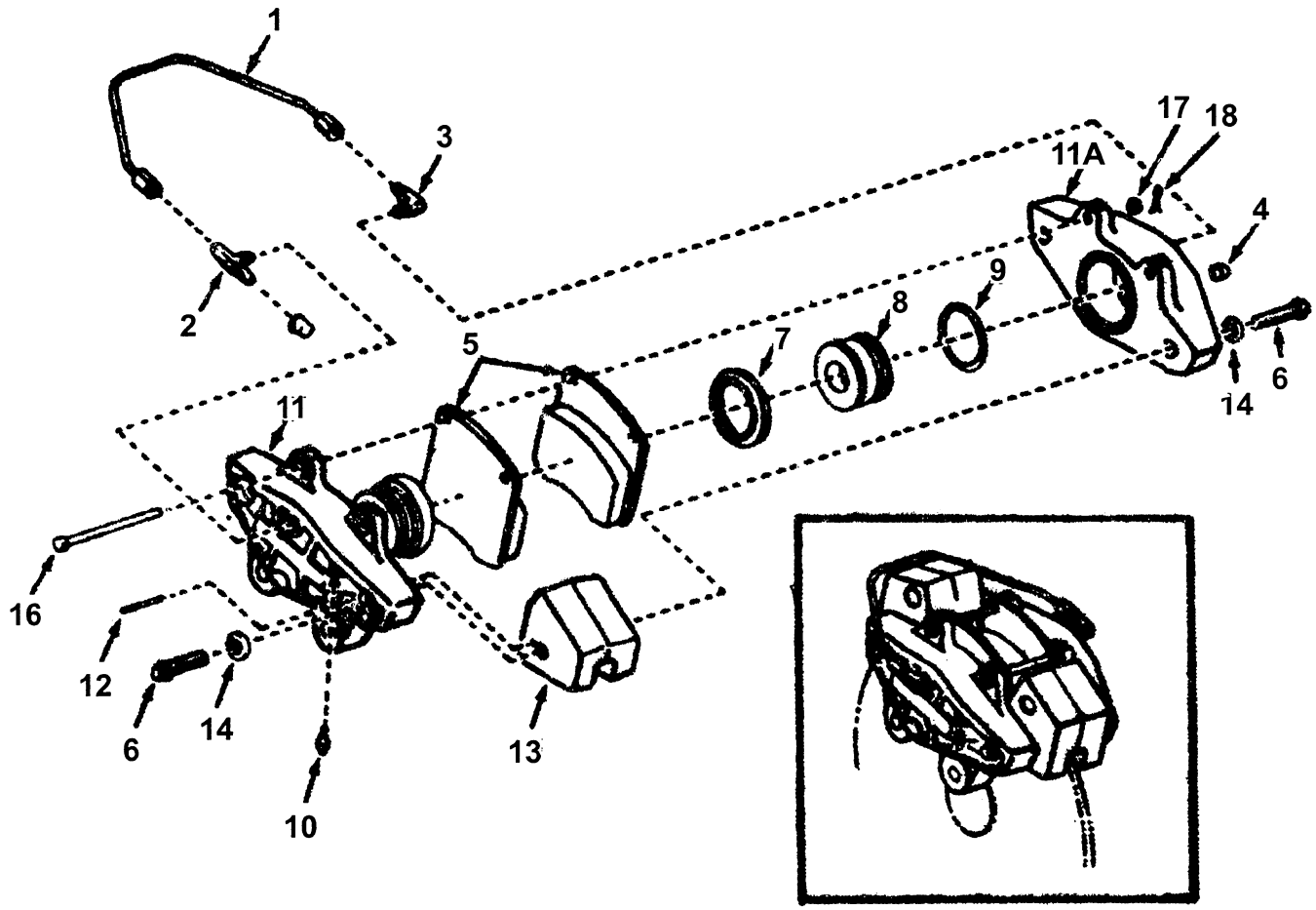



Figure P19145

# P19145

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P19145 | Brake Caliper Assembly | 1 | ..... | Red Tag Brake Fluid |
| 1 | P19166 | Transfer Line Assembly | 1 | ..... | |
| 2 | P19168 | Tee-Male Branch | 1 | ..... | |
| 3 | P19167 | Elbow, Male | 1 | ..... | |
| 4 | P19179 | Reducer | 2 | ..... | |
| 5 | P19159 | Pad, Brake | 2 | ..... | |
| 6 | P19181 | Screw | 4 | ..... | 12 PT., 7/16"-14 x 1.50" |
| 7 | P19162 | Dust Boot | 2 | ..... | |
| 8 | P19163 | Piston | 2 | ..... | |
| 9 | P19164 | O-Ring | 2 | ..... | |
| 10 | P19161 | Bleeder Valve | 4 | ..... | |
| 11 | P19158 | Housing Piston with Ears | 1 | ..... | |
| 11A | P19157 | Housing Piston without Ears | 1 | ..... | |
| 12 | P19180 | Pin, Drive Lock | 2 | ..... | |
| 13 | P19160 | Spacer | 2 | ..... | |
| 14 | P19182 | Flatwasher, Screw Backup | 4 | ..... | |
| 15 | P19178 | Bleeder Valve | 2 | ..... | |
| 16 | P19176 | Pin, Pad Retainer | 2 | ..... | |
| 17 | P19165 | Flatwasher | 2 | ..... | |
| 18 | P19177 | Pin, Cotter | 2 | ..... | |

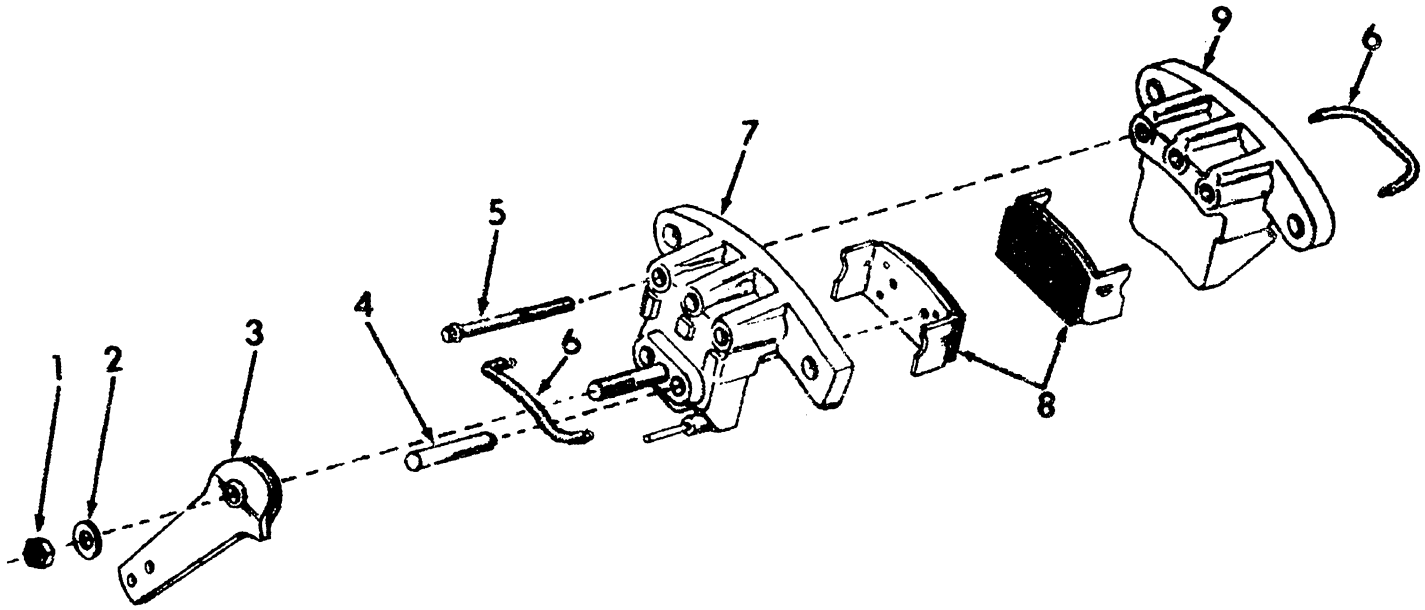



Figure P19146

# P19146

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P19146 | Caliper Assembly - Mechanical | 1 | ..... | |
| 1 | P19153 | Locknut | 1 | ..... | 1/2" |
| 2 | P19152 | Flatwasher | 1 | ..... | 1/2" |
| 3 | P19151 | Lever | 1 | ..... | |
| 4 | P19154 | Pin | 2 | ..... | |
| 5 | P19156 | Bolt, Flanged | 3 | ..... | 3/8" |
| 6 | P19155 | Spring | 2 | ..... | |
| 7 | P19149 | Housing with Stud | 1 | ..... | |
| 8 | P19150 | Pad, Brake | 1 | ..... | |
| 9 | P19148 | Housing | 1 | ..... | |

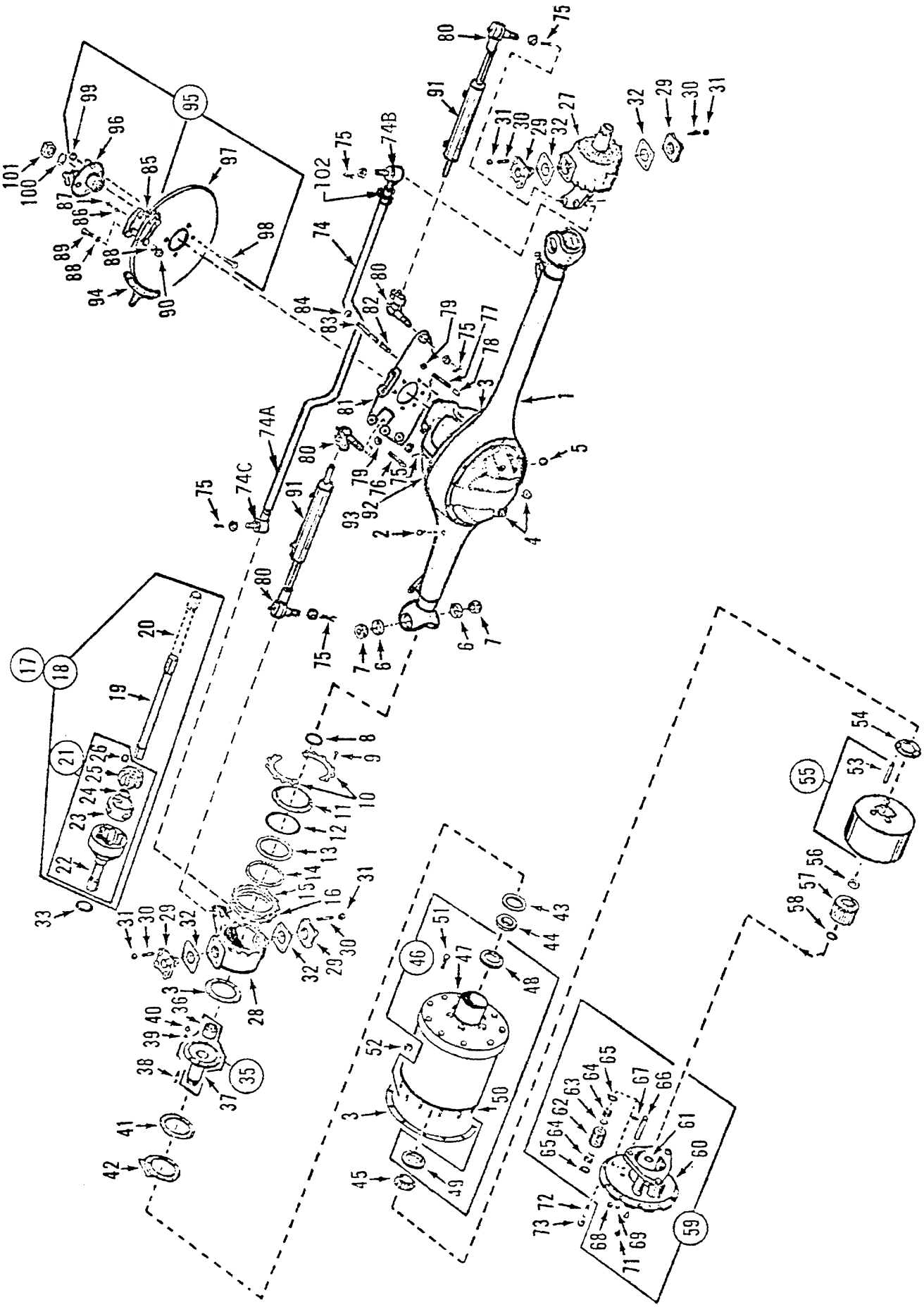


Figure P21735

# P21735 (1 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P21735 | Front Planetary Steering Axle Assy. | 1 | 530, 533–822 | 6.17:1 Ratio |
| 1 | P21801 | Axle Housing Weldment | 1 | "–" | |
| 2 | P13784 | Vent, Axle Air | 1 | "–" | |
| 3 | P13789 | Formed Gasket | A/R | "–" | |
| 4 | P19300 | Plug, Square Socket | 2 | "–" | 3/4"-14, Steel |
| 5 | P13780 | Plug, Magnetic Drain | 1 | "–" | 1/2"-14 |
| 6 | P19298 | Cup, Bearing | 4 | "–" | |
| 7 | P19318 | Cone, Bearing | 4 | "–" | |
| 8 | P13787 | Seal, Oil | 2 | "–" | Axle Shaft |
| 9 | P17150 | Bolt, Hx. | 24 | "–" | 5/16"-18 x 0.50" GR 2 Whiz |
| 10 | P19327 | Retainer | 4 | "–" | Outer, 2 LH & 2 RH |
| 11 | P19322 | Retainer, Seal | 2 | "–" | Split, LH & RH |
| 12 | P19324 | Spring, Ball Seal | 2 | "–" | LH & RH |
| 13 | P19325 | Seal, Ball End | 2 | "–" | LH & RH |
| 14 | P29323 | Seal, Felt | 2 | "–" | LH & RH |
| 15 | P19326 | Retainer, Felt | 2 | "–" | LH & RH |
| 16 | P13848 | Gasket, Knuckle | 2 | "–" | LH & RH |
| 17 | P21802 | Shaft & U-Joint Assembly | 1 | "–" | Short, Includes Items 19, 21 & Component Parts |
| 18 | P21803 | Shaft & U-Joint Assembly | 1 | "–" | Long, Includes Items 20, 21 & Component Parts |
| 19 | P21804 | Axle Shaft | 1 | "–" | Short, 30.00" |
| 20 | P21805 | Axle Shaft | 1 | "–" | Long, 36.50" |
| 21 | P21806 | U-Joint | 1 | "–" | LH & RH, Includes Items 22–26 |
| 22 | P21807 | Bell, Outer Race | 1 | "–" | |
| 23 | P13864 | Cage, U-Joint | 1 | "–" | |
| 24 | P13866 | Ring, Snap | 1 | "–" | |
| 25 | P21808 | Race, Inner | 1 | "–" | |
| 26 | P13865 | Ball, U-Joint | 6 | "–" | |
| 27 | P21809 | Housing, Steering Knuckle | 1 | "–" | LH |
| 28 | P21810 | Housing, Steering Knuckle | 1 | "–" | RH |
| 29 | P19317 | Trunnion | 4 | "–" | |
| 30 | P13834 | Stud | 16 | "–" | 1/2"-13 x 1/2"-20 x 2", Trunnion Mounting |
| 31 | P13842 | Locknut | 16 | "–" | 1/2"-20 GR 8, Trunnion Mounting |
| 32 | P13839 | Shim, Knuckle Bearing | 4 | "–" | .005" Thick |
| 32 | P13840 | Shim, Knuckle Bearing | 4 | "–" | .010" Thick |
| 33 | P13869 | Seal, Oil | 2 | "–" | LH & RH |
| 35 | P21811 | Spindle Assembly | 2 | "–" | LH & RH, Includes Items 36, 37 |
| 36 | P13872 | Bushing, Spindle | 2 | "–" | LH & RH |
| 37 | P21812 | Spindle Only | 2 | "–" | LH & RH |
| 38 | P13833 | Stud, Spindle to Knuckle | 24 | "–" | 7/16"-14 x 7/16"-20 x 2", 12 LH, 12 RH |
| 39 | P21813 | Washer | 24 | "–" | 12 LH, 12 RH |
| 40 | P13911 | Locknut | 24 | "–" | 7/16"-20 GR 8, 12 LH, 12 RH |
| 41 | P19364 | Spacer | 2 | "–" | LH & RH |
| 42 | P19363 | Oil Deflector | 2 | "–" | LH & RH |
| 43 | P13879 | Seal, Oil | 2 | "–" | LH & RH |
| 44 | P13880 | Cone, Bearing | 2 | "–" | Inner, LH & RH |

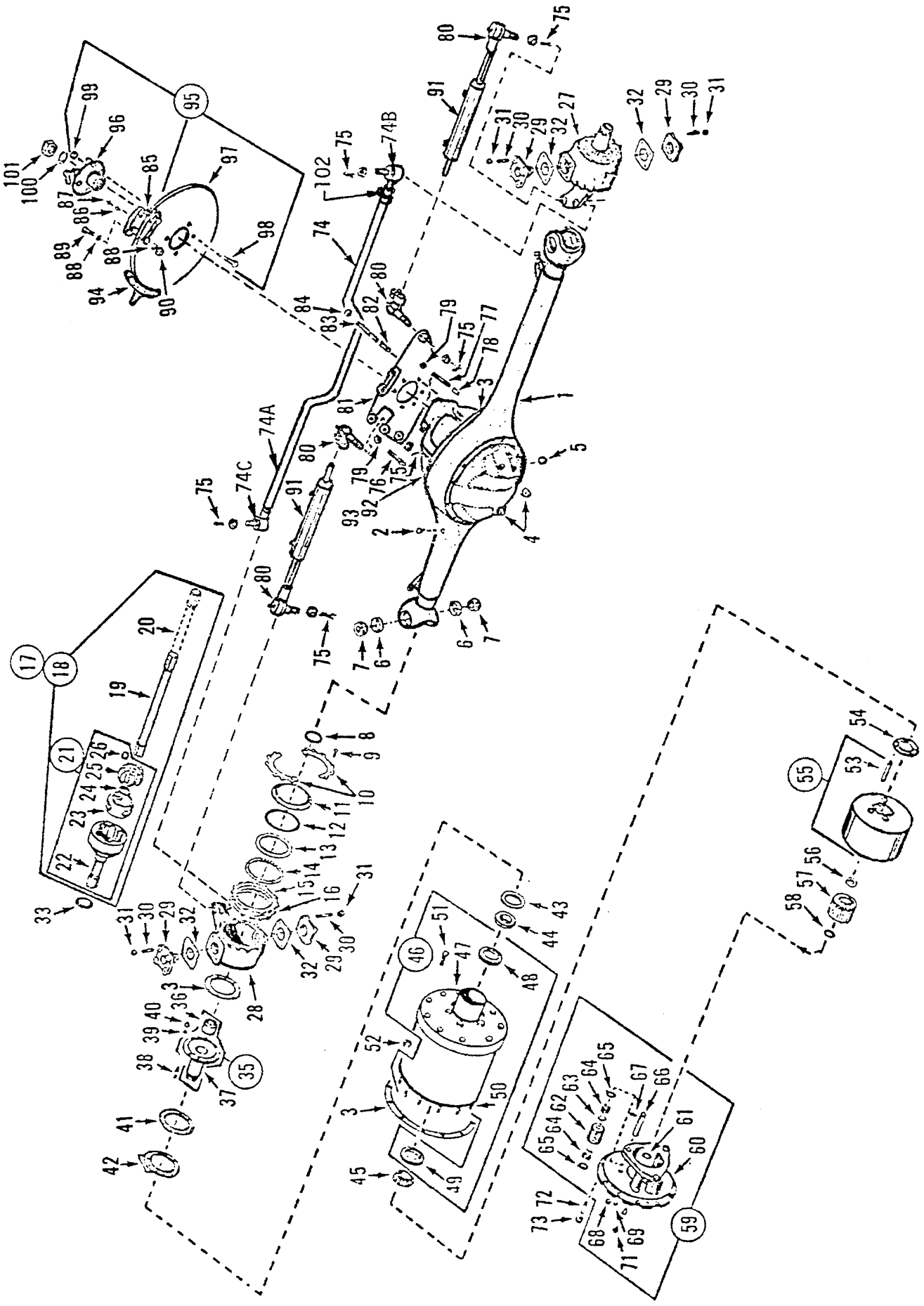


Figure P21735

## P21735 (2 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 45 | P13881 | Cone, Bearing | 2 | "–" | Outer, LH & RH |
| 46 | P21814 | Hub Assembly | 2 | "–" | LH & RH, Includes Items 47–51 |
| 47 | P21815 | Hub Only | 2 | "–" | LH & RH |
| 48 | P13886 | Cup, Bearing | 2 | "–" | Inner, LH & RH |
| 49 | P13887 | Cup, Bearing | 2 | "–" | Outer, LH & RH |
| 50 | P13889 | Stud, Hub to Drive Flange | 24 | "–" | 7/16"-14 x 7/16"-20 x 1.75", 12 LH, 12 RH |
| 51 | P21816 | Stud, Wheel | 20 | "–" | 10 LH, 10 RH |
| 52 | P13894 | Lug Nut, Wheel | 20 | "–" | 3/4"-16, 10 LH, 10 RH |
| 53 | P21817 | Roll Pin | 2 | "–" | .312" x .750", LH & RH |
| 54 | P21818 | Locknut | 2 | "–" | LH & RH |
| 55 | P21819 | Ring Gear Assembly | 2 | "–" | LH & RH, Incl. Item 53 |
| 56 | P13895 | Spacer | 2 | "–" | LH & RH |
| 57 | P21820 | Sun Gear | 2 | "–" | LH & RH |
| 58 | P13783 | Ring, Retaining | 2 | "–" | LH & RH |
| 59 | P19332 | Drive Flange & Planetary Gear Assy. | 2 | "–" | LH & RH, Includes Items 60–71 |
| 60 | P13900 | Drive Flange Only | 2 | "–" | LH & RH |
| 61 | P19336 | Thrust Washer | 2 | "–" | LH & RH |
| 62 | P13902 | Planetary Gear | 6 | "–" | 3 LH, 3 RH |
| 63 | P13906 | Spacer, Planetary Gear | 6 | "–" | 3 LH, 3 RH |
| 64 | P13901 | Bearing, Needle | 300 | "–" | 50 Quantity per Gear |
| 65 | P13903 | Washer, Spacer | 12 | "–" | 7/8", 6 LH, 6 RH |
| 66 | P19334 | Pin, Planetary Gear | 6 | "–" | 3 LH, 3 RH |
| 67 | P19335 | Pin, Tension | 6 | "–" | 3/16" x 1.50", 3 LH, 3 RH |
| 68 | P13780 | Plug, Magnetic Drain | 2 | "–" | 1/2"-14, LH & RH |
| 69 | P13909 | Plug, Hex Soc. Pipe | 2 | "–" | 1/2"-14, LH & RH |
| 71 | P21821 | Relief Fitting | 2 | "–" | LH & RH |
| 72 | P13910 | Dowel, Tapered | 24 | "–" | 12 LH, 12 RH |
| 73 | P13911 | Locknut | 24 | "–" | 7/16"-20 GR 8, 12 LH, 12 RH |
| 74 | P21822 | Tie Rod Assembly | 1 | "–" | |
| 74A | P23262 | Tie Rod | 1 | "–" | |
| 74B | P23263 | Tie Rod End | 1 | "–" | Course Thread |
| 74C | P10345 | Tie Rod End | 1 | "–" | Fine Thread |
| 75 | P13835 | Cotter Pin | 6 | "–" | 1/8" x 1.25", P |
| 76 | P17535 | Stud | 6 | "–" | 7/16"-14 & 7/16"-20 x 1.88", Carrier Mtg. |
| 77 | P17536 | Stud | 4 | "–" | 7/16"-14 & 7/16"-20 x 2.25", Carrier Mtg. |
| 78 | P13910 | Dowel, Tapered | 4 | "–" | Carrier Mounting |
| 79 | P17537 | Locknut | 10 | "–" | 7/16"-14 GR 8 |
| 80 | P13915 | Socket Assembly | 4 | "–" | |
| 81 | P21823 | Bracket, Steering Cylinder | 1 | "–" | |
| 82 | P13821 | Dowel, Bracket Mounting | 6 | "–" | |
| 83 | P13819 | Stud | 6 | "–" | 5/8"-18 & 5/8"-11 x 2.53", Bracket Mtg. |
| 84 | P13820 | Nut, Hx. | 6 | "–" | 5/8"-18 GR 5Z, Bracket Mounting |
| 85 | P20780 | Complete Caliper Assembly | 1 | "–" | |
| 86 | P19767 | Fitting, Bleeder Screw | 2 | "–" | Caliper Assembly |
| 87 | P21824 | Bleeder Screw | 2 | "–" | Caliper Assembly |

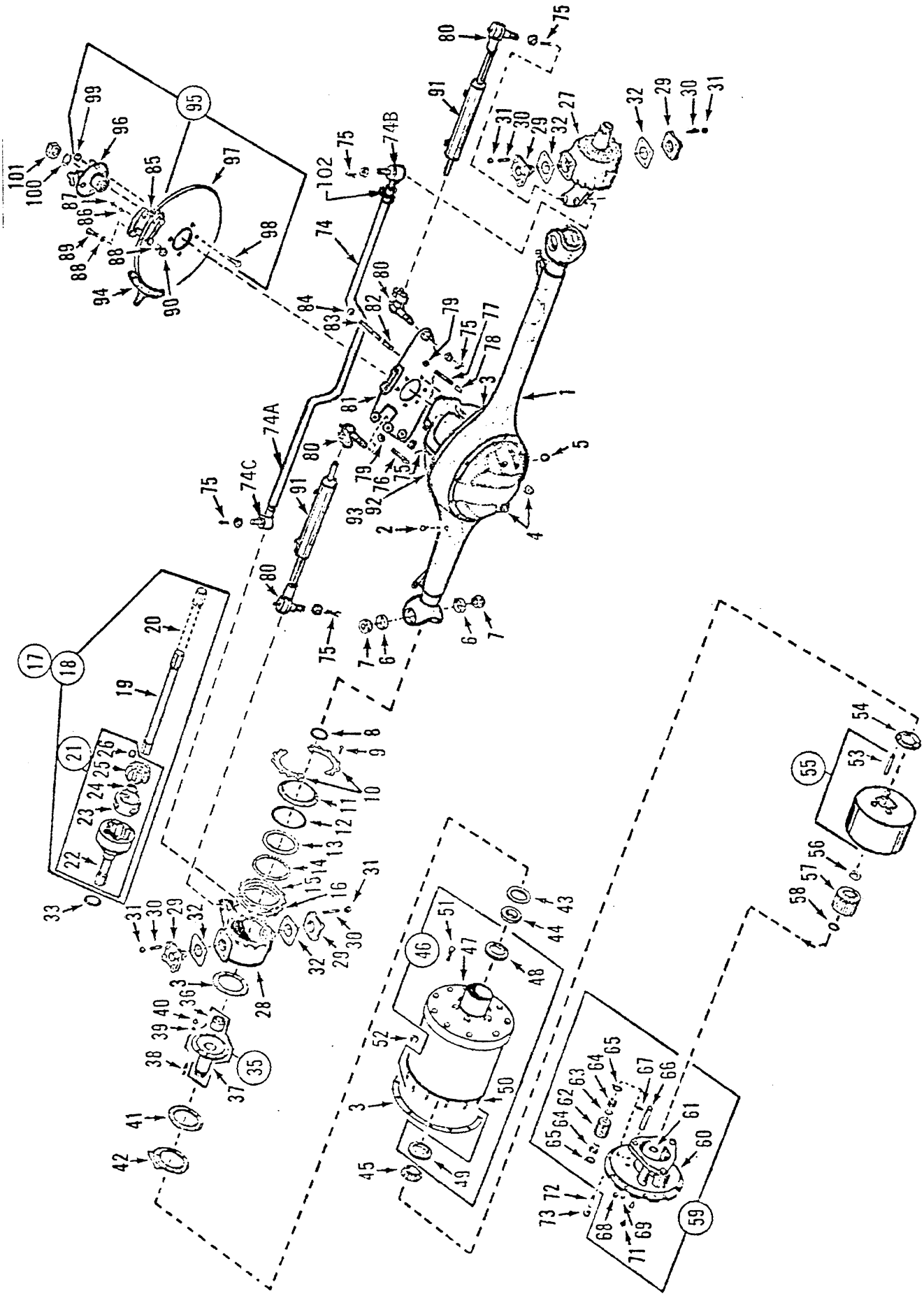


Figure P21735

## P21735 (3 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 88 | P19306 | Flatwasher | 4 | "–" | 5/8" |
| 89 | P21825 | Screw | 2 | "–" | 12 PT., 5/8"-11 x 2.50" GR 8PH |
| 90 | P21826 | Locknut | 2 | "–" | 5/8"-11 GR 8 |
| 91 | P21827 | Complete Steering Cylinder Assembly | 2 | "–" | LH & RH |
| 91A | P21828 | Kit, Steering Cylinder Seal | 2 | "–" | |
| 92 | P21829 | Complete Carrier Assembly w/No-Spin | 1 | "–" | 6.17:1 Ratio |
| 94 | P20781 | Complete Caliper Assembly | 1 | "–" | Mechanical |
| 95 | P21837 | End Yoke Assembly | 1 | "–" | |
| 96 | P19352 | Yoke, 6C | 1 | "–" | |
| 97 | P21833 | Disc, Brake | 1 | "–" | |
| 98 | P21834 | Screw, Hx. | 4 | "–" | Special |
| 99 | P13842 | Locknut | 4 | "–" | 1/2"-20 GR 8 |
| 100 | P21835 | Flatwasher | 1 | "–" | 1" |
| 101 | P21836 | Nut, Pinion | 1 | "–" | |
| 102 | P23264 | Clamp, Tie Rod | 2 | "–" | |

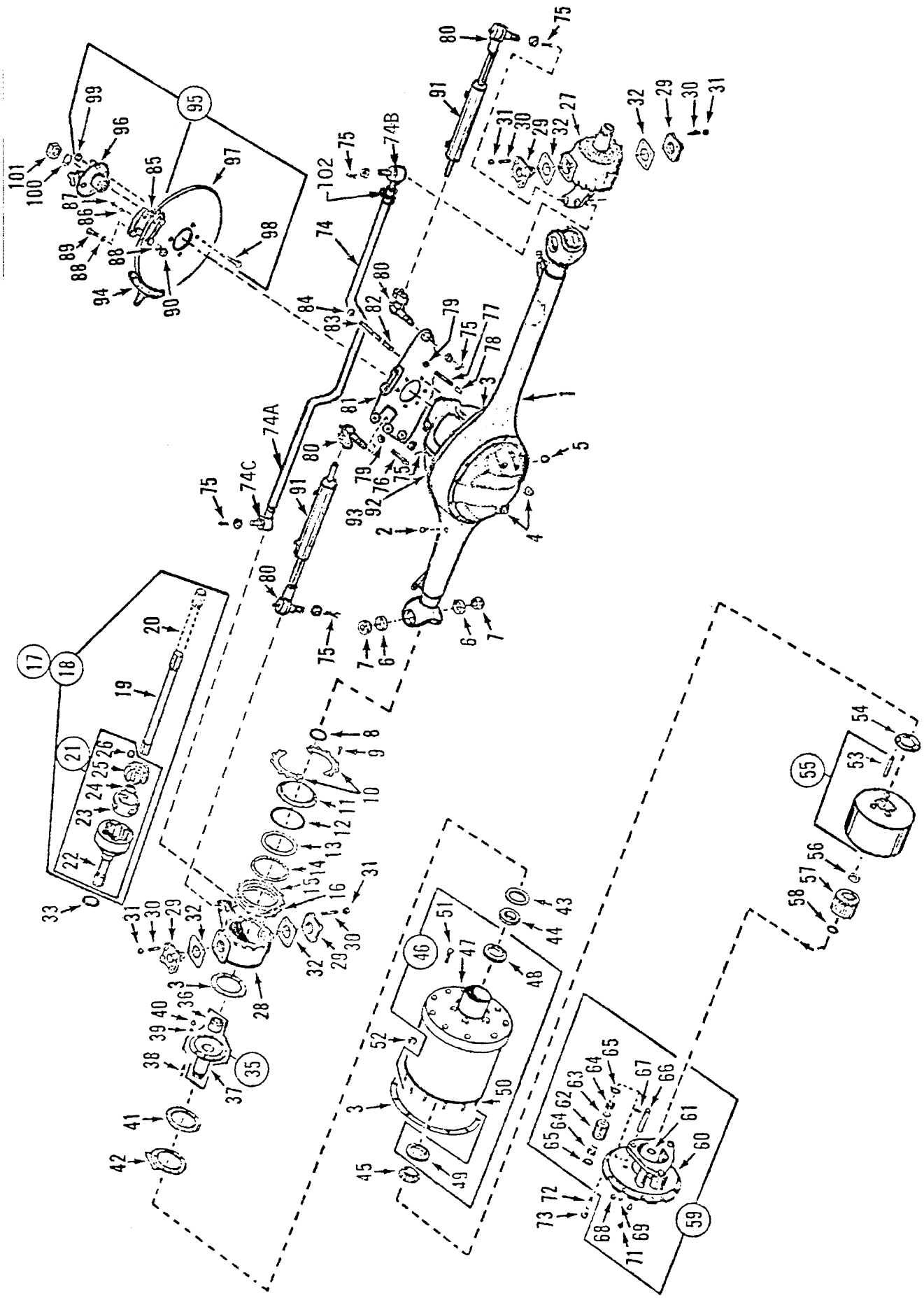


Figure P21736

# P21736 (1 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P21736 | Rear Planetary Steering Axle Assy. | 1 | 530, 533–822 | 6.17:1 Ratio |
| 1 | P21801 | Axle Housing Weldment | 1 | "–" | |
| 2 | P13784 | Vent, Axle Air | 1 | "–" | |
| 3 | P13789 | Formed Gasket | A/R | "–" | |
| 4 | P19300 | Plug, Square Socket | 2 | "–" | 3/4"-14, Steel |
| 5 | P13780 | Plug, Magnetic Drain | 1 | "–" | 1/2"-14 |
| 6 | P19298 | Cup, Bearing | 4 | "–" | |
| 7 | P19318 | Cone, Bearing | 4 | "–" | |
| 8 | P13787 | Seal, Oil | 2 | "–" | Axle Shaft |
| 9 | P17150 | Bolt, Hx. | 24 | "–" | 5/16"-18 x 0.50" GR 2 Whiz |
| 10 | P19327 | Retainer | 4 | "–" | Outer, 2 LH & 2 RH |
| 11 | P19322 | Retainer, Seal | 2 | "–" | Split, LH & RH |
| 12 | P19324 | Spring, Ball Seal | 2 | "–" | LH & RH |
| 13 | P19325 | Seal, Ball End | 2 | "–" | LH & RH |
| 14 | P29323 | Seal, Felt | 2 | "–" | LH & RH |
| 15 | P19326 | Retainer, Felt | 2 | "–" | LH & RH |
| 16 | P13848 | Gasket, Knuckle | 2 | "–" | LH & RH |
| 17 | P21802 | Shaft & U-Joint Assembly | 1 | "–" | Short, Includes Items 19, 21 & Component Parts |
| 18 | P21803 | Shaft & U-Joint Assembly | 1 | "–" | Long, Includes Items 20, 21 & Component Parts |
| 19 | P21804 | Axle Shaft | 1 | "–" | Short, 30.00" |
| 20 | P21805 | Axle Shaft | 1 | "–" | Long, 36.50" |
| 21 | P21806 | U-Joint | 1 | "–" | LH & RH, Includes Items 22–26 |
| 22 | P21807 | Bell, Outer Race | 1 | "–" | |
| 23 | P13864 | Cage, U-Joint | 1 | "–" | |
| 24 | P13866 | Ring, Snap | 1 | "–" | |
| 25 | P21808 | Race, Inner | 1 | "–" | |
| 26 | P13865 | Ball, U-Joint | 6 | "–" | |
| 27 | P21809 | Housing, Steering Knuckle | 1 | "–" | LH |
| 28 | P21810 | Housing, Steering Knuckle | 1 | "–" | RH |
| 29 | P19317 | Trunnion | 4 | "–" | |
| 30 | P13834 | Stud | 16 | "–" | 1/2"-13 x 1/2"-20 x 2", Trunnion Mounting |
| 31 | P13842 | Locknut | 16 | "–" | 1/2"-20 GR 8, Trunnion Mounting |
| 32 | P13839 | Shim, Knuckle Bearing | 4 | "–" | .005" Thick |
| 32 | P13840 | Shim, Knuckle Bearing | 4 | "–" | .010" Thick |
| 33 | P13869 | Seal, Oil | 2 | "–" | LH & RH |
| 35 | P21811 | Spindle Assembly | 2 | "–" | LH & RH, Includes Items 36, 37 |
| 36 | P13872 | Bushing, Spindle | 2 | "–" | LH & RH |
| 37 | P21812 | Spindle Only | 2 | "–" | LH & RH |
| 38 | P13833 | Stud, Spindle to Knuckle | 24 | "–" | 7/16"-14 x 7/16"-20 x 2", 12 LH, 12 RH |
| 39 | P21813 | Washer | 24 | "–" | 12 LH, 12 RH |
| 40 | P13911 | Locknut | 24 | "–" | 7/16"-20 GR 8, 12 LH, 12 RH |
| 41 | P19364 | Spacer | 2 | "–" | LH & RH |
| 42 | P19363 | Oil Deflector | 2 | "–" | LH & RH |
| 43 | P13879 | Seal, Oil | 2 | "–" | LH & RH |
| 44 | P13880 | Cone, Bearing | 2 | "–" | Inner, LH & RH |

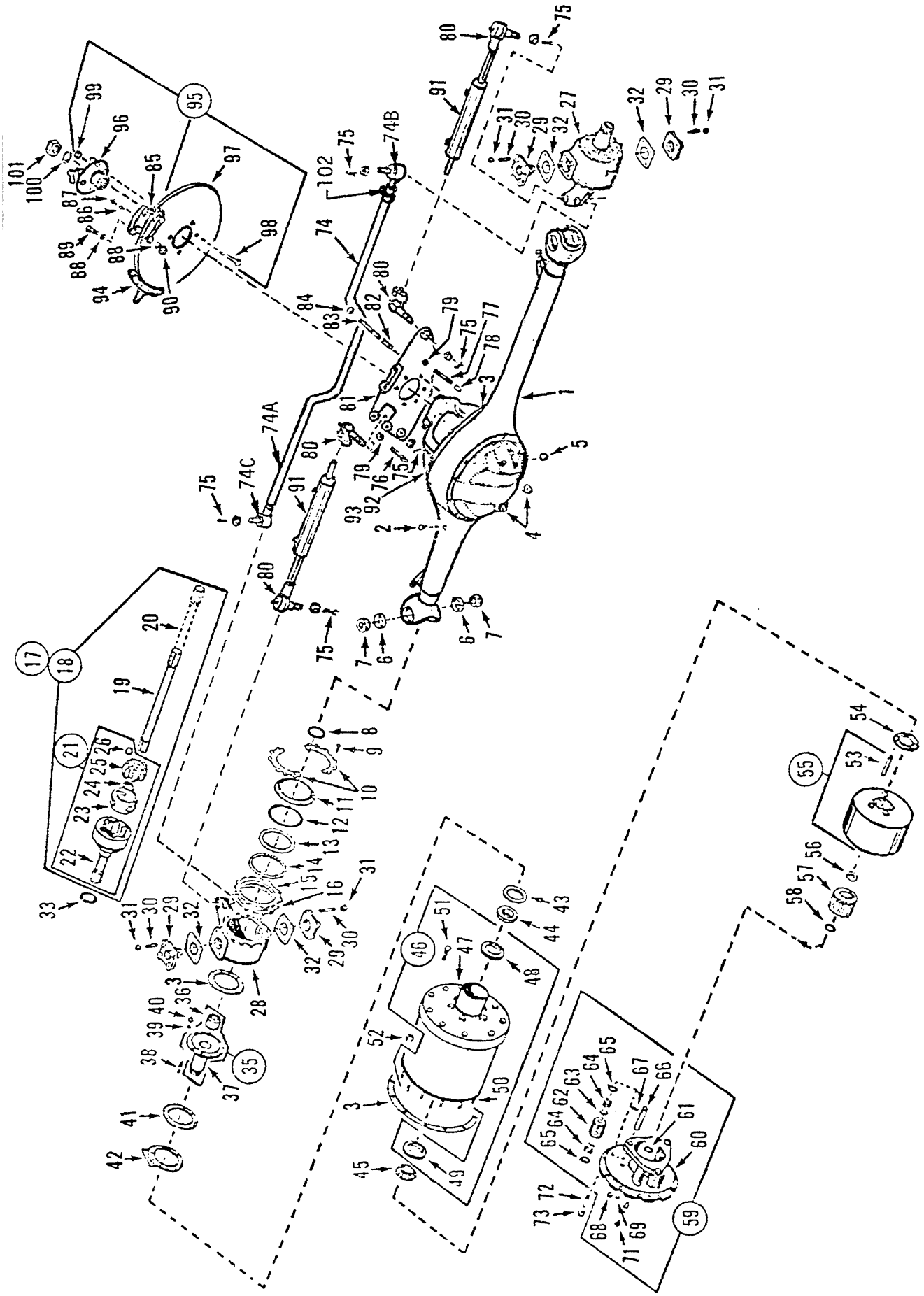


Figure P21736

## P21736 (2 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 45 | P13881 | Cone, Bearing | 2 | "–" | Outer, LH & RH |
| 46 | P21814 | Hub Assembly | 2 | "–" | LH & RH, Includes Items 47–51 |
| 47 | P21815 | Hub Only | 2 | "–" | LH & RH |
| 48 | P13886 | Cup, Bearing | 2 | "–" | Inner, LH & RH |
| 49 | P13887 | Cup, Bearing | 2 | "–" | Outer, LH & RH |
| 50 | P13889 | Stud, Hub to Drive Flange | 24 | "–" | 7/16"-14 x 7/16"-20 x 1.75", 12 LH, 12 RH |
| 51 | P21816 | Stud, Wheel | 20 | "–" | 10 LH, 10 RH |
| 52 | P13894 | Lug Nut, Wheel | 20 | "–" | 3/4"-16, 10 LH, 10 RH |
| 53 | P21817 | Roll Pin | 2 | "–" | .312" x .750", LH & RH |
| 54 | P21818 | Locknut | 2 | "–" | LH & RH |
| 55 | P21819 | Ring Gear Assembly | 2 | "–" | LH & RH, Incl. Item 53 |
| 56 | P13895 | Spacer | 2 | "–" | LH & RH |
| 57 | P21820 | Sun Gear | 2 | "–" | LH & RH |
| 58 | P13783 | Ring, Retaining | 2 | "–" | LH & RH |
| 59 | P19332 | Drive Flange & Planetary Gear Assy. | 2 | "–" | LH & RH, Includes Items 60–71 |
| 60 | P13900 | Drive Flange Only | 2 | "–" | LH & RH |
| 61 | P19336 | Thrust Washer | 2 | "–" | LH & RH |
| 62 | P13902 | Planetary Gear | 6 | "–" | 3 LH, 3 RH |
| 63 | P13906 | Spacer, Planetary Gear | 6 | "–" | 3 LH, 3 RH |
| 64 | P13901 | Bearing, Needle | 300 | "–" | 50 Quantity per Gear |
| 65 | P13903 | Washer, Spacer | 12 | "–" | 7/8", 6 LH, 6 RH |
| 66 | P19334 | Pin, Planetary Gear | 6 | "–" | 3 LH, 3 RH |
| 67 | P19335 | Pin, Tension | 6 | "–" | 3/16" x 1.50", 3 LH, 3 RH |
| 68 | P13780 | Plug, Magnetic Drain | 2 | "–" | 1/2"-14, LH & RH |
| 69 | P13909 | Plug, Hex Soc. Pipe | 2 | "–" | 1/2"-14, LH & RH |
| 71 | P21821 | Relief Fitting | 2 | "–" | LH & RH |
| 72 | P13910 | Dowel, Tapered | 24 | "–" | 12 LH, 12 RH |
| 73 | P13911 | Locknut | 24 | "–" | 7/16"-20 GR 8, 12 LH, 12 RH |
| 74 | P21822 | Tie Rod Assembly | 1 | "–" | |
| 74A | P23262 | Tie Rod | 1 | "–" | |
| 74B | P23263 | Tie Rod End | 1 | "–" | Course Thread |
| 74C | P10345 | Tie Rod End | 1 | "–" | Fine Thread |
| 75 | P13835 | Cotter Pin | 6 | "–" | 1/8" x 1.25", P |
| 76 | P17535 | Stud | 6 | "–" | 7/16"-14 & 7/16"-20 x 1.88", Carrier Mtg. |
| 77 | P17536 | Stud | 4 | "–" | 7/16"-14 & 7/16"-20 x 2.25", Carrier Mtg. |
| 78 | P13910 | Dowel, Tapered | 4 | "–" | Carrier Mounting |
| 79 | P17537 | Locknut | 10 | "–" | 7/16"-14 GR 8 |
| 80 | P13915 | Socket Assembly | 4 | "–" | |
| 81 | P21823 | Bracket, Steering Cylinder | 1 | "–" | |
| 82 | P13821 | Dowel, Bracket Mounting | 6 | "–" | |
| 83 | P13819 | Stud | 6 | "–" | 5/8"-18 & 5/8"-11 x 2.53", Bracket Mtg. |
| 84 | P13820 | Nut, Hx. | 6 | "–" | 5/8"-18 GR 5Z, Bracket Mounting |
| 85 | P20780 | Complete Caliper Assembly | 1 | "–" | |
| 86 | P19767 | Fitting, Bleeder Screw | 2 | "–" | Caliper Assembly |
| 87 | P21824 | Bleeder Screw | 2 | "–" | Caliper Assembly |

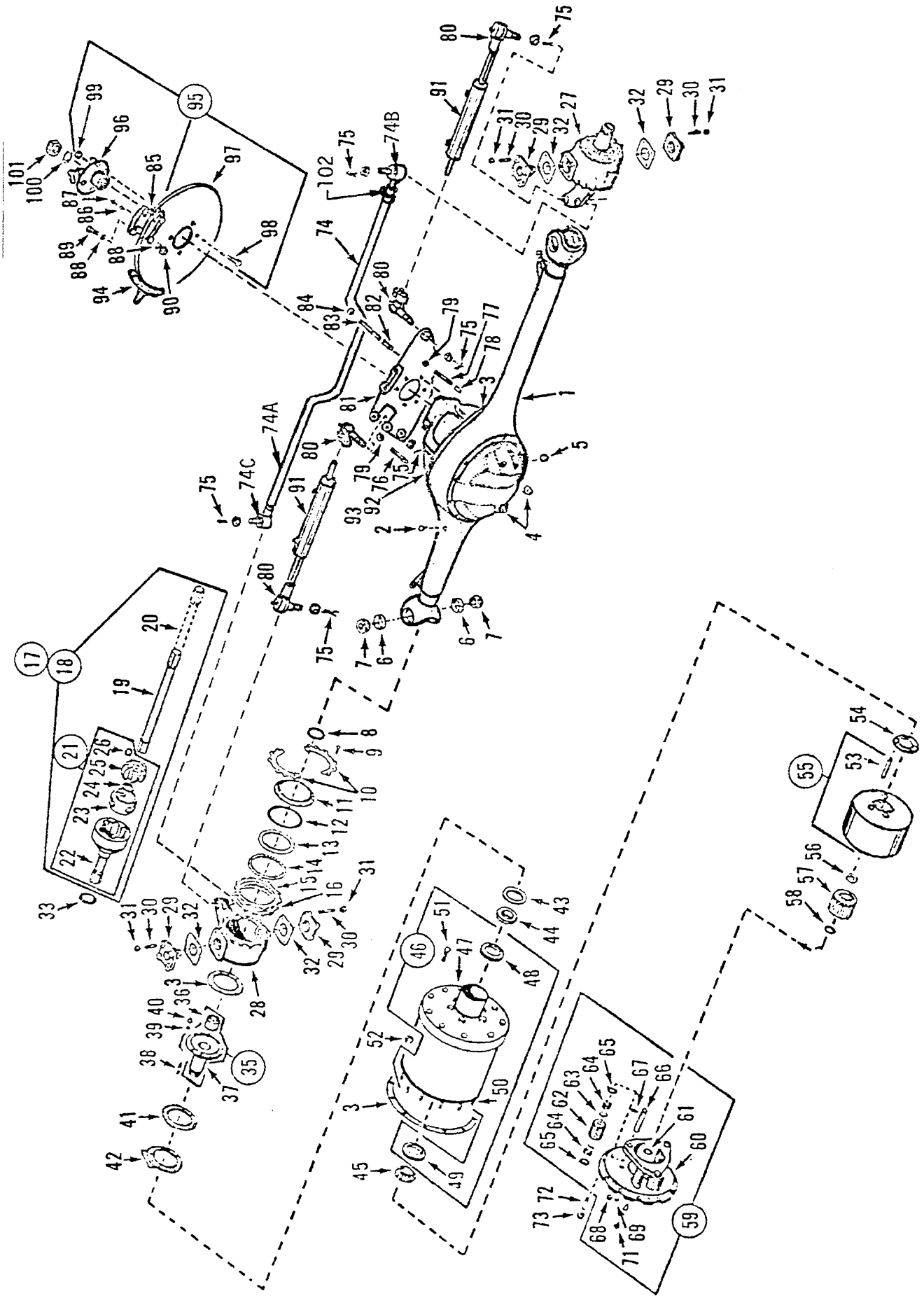


**Figure P21736**

## P21736 (3 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 88 | P19306 | Flatwasher | 4 | "–" | 5/8" |
| 89 | P21825 | Screw | 2 | "–" | 12 PT., 5/8"-11 x 2.50" GR 8PH |
| 90 | P21826 | Locknut | 2 | "–" | 5/8"-11 GR 8 |
| 91 | P21827 | Complete Steering Cylinder Assembly | 2 | "–" | LH & RH |
| 91A | P21828 | Kit, Steering Cylinder Seal | 2 | "–" | |
| 92 | P21830 | Complete Carrier Assembly w/No-Spin | 1 | "–" | 6.17:1 Ratio |
| 95 | P21837 | End Yoke Assembly | 1 | "–" | |
| 96 | P19352 | Yoke, 6C | 1 | "–" | |
| 97 | P21833 | Disc, Brake | 1 | "–" | |
| 98 | P21834 | Screw, Hx. | 4 | "–" | Special |
| 99 | P13842 | Locknut | 4 | "–" | 1/2"-20 GR 8 |
| 100 | P21835 | Flatwasher | 1 | "–" | 1" |
| 101 | P21836 | Nut, Pinion | 1 | "–" | |
| 102 | P23264 | Clamp, Tie Rod | 2 | "–" | |

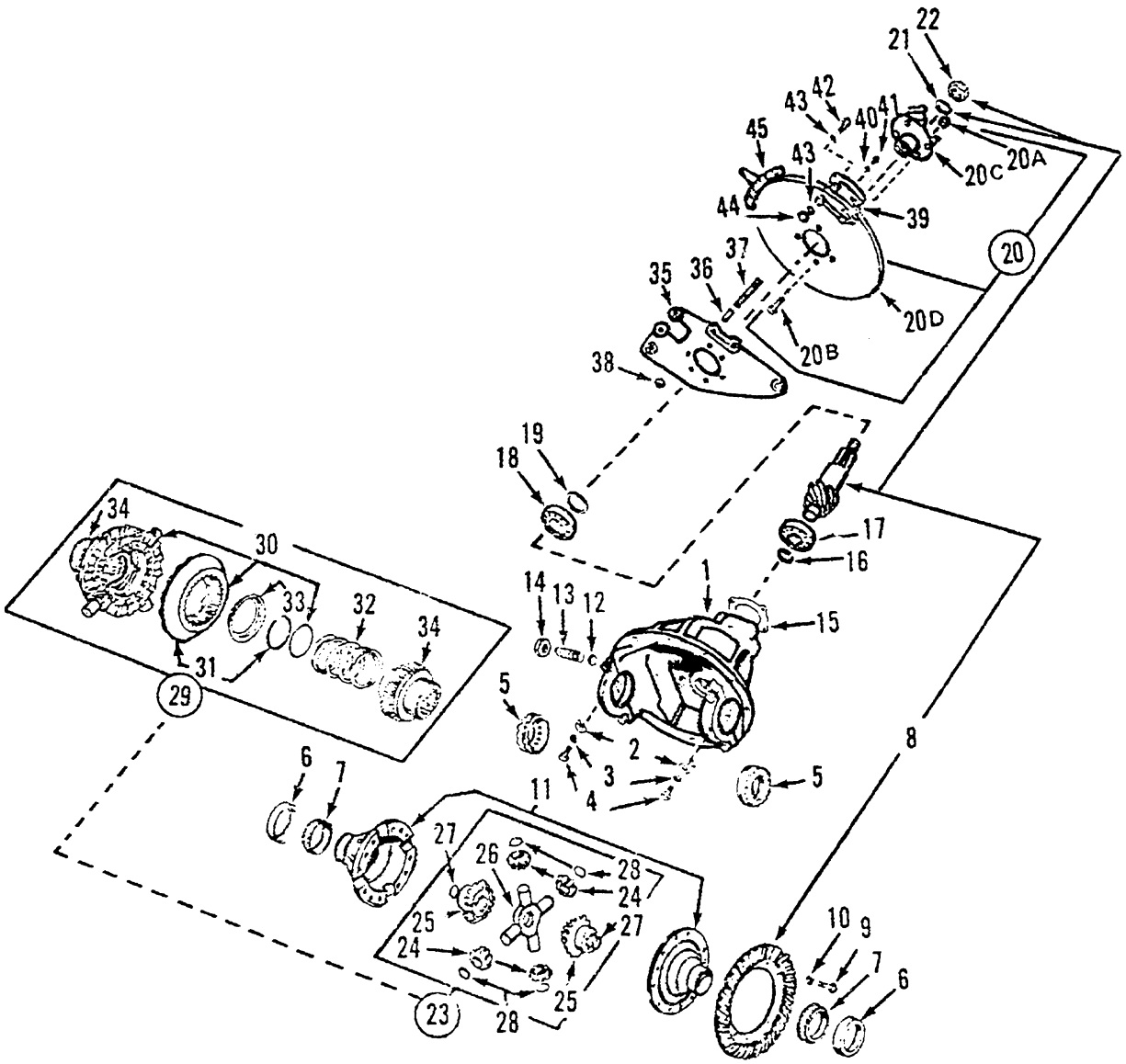



Figure P21829

# P21829

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P21829 | Complete Carrier Assy w/No-Spin Diff. | | 530, 533–822 | |
| 1 | P21842 | Carrier Housing & Cap Assembly | 1 | "–" | |
| 2 | P13805 | Lock, Diff. Adjusting Nut | 2 | "–" | |
| 3 | P13826 | Lockwasher | 2 | "–" | 5/16", P, Lock Bolt |
| 4 | P19313 | Bolt, Hx. | 2 | "–" | 5/16"-18 x 0.625" (G5) |
| 5 | P13806 | Locknut, Bearing Adjusting | 2 | "–" | |
| 6 | P17186 | Cup, Bearing | 2 | "–" | Differential Side |
| 7 | P17185 | Cone, Bearing | 2 | "–" | Differential Side |
| 8 | P13813 | Ring Gear & Pinion Kit | 1 | "–" | |
| 9 | P13814 | Bolt, Hx. | 12 | "–" | 1/2"-20 x 2" (G7) |
| 10 | P13815 | Lockwasher | 12 | "–" | 1/2", P, Heavy |
| 11 | P13808 | Diff. Case & Cover Assembly | 1 | "–" | |
| 12 | P13827 | Pad, Thrust | 1 | "–" | |
| 13 | P13828 | Screw, Thrust Pad | 1 | "–" | |
| 14 | P13829 | Jam Nut, Hx. | 1 | "–" | 7/8"-14 |
| 15 | P13794 | Gasket | 1 | "–" | |
| 16 | P13811 | Ring, Lock | 1 | "–" | Pinion Shaft Bearing |
| 17 | P13812 | Bearing, Roller | 1 | "–" | Pinion Shaft (Rear) |
| 18 | P13816 | Bearing, Ball | 1 | "–" | Pinion Shaft (Front) |
| 19 | P13841 | Seal, Oil | 1 | "–" | |
| 20 | P21837 | End Yoke Assembly | 1 | "–" | |
| 20A | P13842 | Locknut | 4 | "–" | 1/2"-20 (G8) |
| 20B | P21834 | Screw, Hx. | 4 | "–" | Special |
| 20C | P19352 | Yoke, 6C | 1 | "–" | |
| 20D | P21833 | Disc, Brake | 1 | "–" | |
| 21 | P21835 | Flatwasher | 1 | "–" | 1" |
| 22 | P21836 | Nut, Pinion | 1 | "–" | |
| 29 | P21840 | Complete Diff. Assy - No-Spin | 1 | "–" | Incl. Items 30–34 |
| 30 | P19345 | Spider Assembly | 1 | "–" | Incl. Spider, Center Cam, Snap Ring not serviced separately |
| 31 | P21841 | Clutch & Holdout Ring Assembly | 1 | "–" | Incl. Clutch Member & Holdout Ring not serviced separately |
| 32 | P19347 | Spring | 2 | "–" | |
| 33 | P19348 | Retainer, spring | 2 | "–" | |
| 34 | P19349 | Side Gear | 2 | "–" | LH & RH |
| 35 | P21823 | Bracket, Steering Cylinder | 1 | "–" | |
| 36 | P13821 | Dowel | 6 | "–" | |
| 37 | P13819 | Stud | 6 | "–" | 5/8"-18 x 5/8"-11 x 2.53" |
| 38 | P13820 | Nut, Hx. | 6 | "–" | 5/8"-18 (G5) |
| 39 | P20780 | Complete Caliper Assembly | 1 | "–" | |
| 40 | P19767 | Fitting, Bleeder Screw | 2 | "–" | Caliper Assembly |
| 41 | P21824 | Bleeder Screw | 2 | "–" | Caliper Assembly |
| 42 | P21825 | Screw | 2 | "–" | 5/8"-11 x 2.50" (G8) |
| 43 | P19306 | Flatwasher | 4 | "–" | 5/8" |
| 44 | P21826 | Locknut | 2 | "–" | 5/8"-11 (G8) |
| 45 | P20781 | Complete Caliper Assembly | 1 | "–" | |

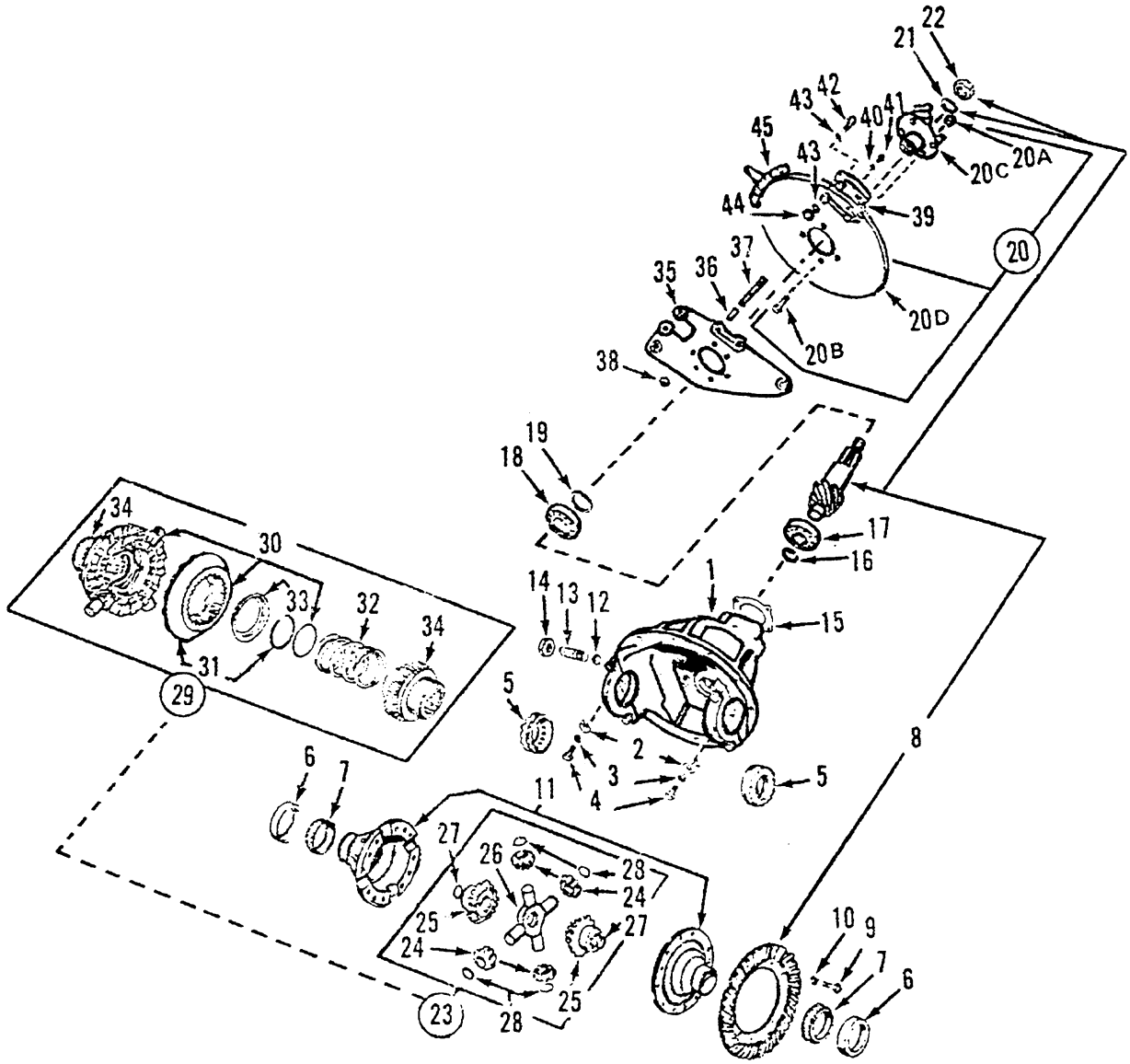



Figure P21830

# P21830

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P21830 | Complete Carrier Assy w/Standard Diff | | 530, 533–822 | |
| 1 | P21842 | Carrier Housing & Cap Assembly | 1 | "–" | |
| 2 | P13805 | Lock, Diff. Adjusting Nut | 2 | "–" | |
| 3 | P13826 | Lockwasher | 2 | "–" | 5/16", P, Lock Bolt |
| 4 | P19313 | Bolt, Hx. | 2 | "–" | 5/16"-18 x 0.625" (G5) |
| 5 | P13806 | Locknut, Bearing Adjusting | 2 | "–" | |
| 6 | P17186 | Cup, Bearing | 2 | "–" | Differential Side |
| 7 | P17185 | Cone, Bearing | 2 | "–" | Differential Side |
| 8 | P13813 | Ring Gear & Pinion Kit | 1 | "–" | |
| 9 | P13814 | Bolt, Hx. | 12 | "–" | 1/2"-20 x 2" (G7) |
| 10 | P13815 | Lockwasher | 12 | "–" | 1/2", P, Heavy |
| 11 | P13808 | Diff. Case & Cover Assembly | 1 | "–" | |
| 12 | P13827 | Pad, Thrust | 1 | "–" | |
| 13 | P13828 | Screw, Thrust Pad | 1 | "–" | |
| 14 | P13829 | Jam Nut, Hx. | 1 | "–" | 7/8"-14 |
| 15 | P13794 | Gasket | 1 | "–" | |
| 16 | P13811 | Ring, Lock | 1 | "–" | Pinion Shaft Bearing |
| 17 | P13812 | Bearing, Roller | 1 | "–" | Pinion Shaft (Rear) |
| 18 | P13816 | Bearing, Ball | 1 | "–" | Pinion Shaft (Front) |
| 19 | P13841 | Seal, Oil | 1 | "–" | |
| 20 | P21837 | End Yoke Assembly | 1 | "–" | |
| 20A | P13842 | Locknut | 4 | "–" | 1/2"-20 (G8) |
| 20B | P21834 | Screw, Hx. | 4 | "–" | Special |
| 20C | P19352 | Yoke, 6C | 1 | "–" | |
| 20D | P21833 | Disc, Brake | 1 | "–" | |
| 21 | P21835 | Flatwasher | 1 | "–" | 1" |
| 22 | P21836 | Nut, Pinion | 1 | "–" | |
| 23 | P21838 | Complete Diff. Assy - Standard | 1 | "–" | Incl. Items 24–28 |
| 24 | P19310 | Gear, Pinion | 4 | "–" | |
| 25 | P21839 | Gear, Side | 2 | "–" | |
| 26 | P19312 | Spider | 1 | "–" | |
| 27 | P17145 | Washer, Thrust | 2 | "–" | |
| 28 | P17144 | Washer, Thrust | 4 | "–" | |
| 35 | P21823 | Bracket, Steering Cylinder | 1 | "–" | |
| 36 | P13821 | Dowel | 6 | "–" | |
| 37 | P13819 | Stud | 6 | "–" | 5/8"-18 x 5/8"-11 x 2.53" |
| 38 | P13820 | Nut, Hx. | 6 | "–" | 5/8"-18 (G5) |
| 39 | P20780 | Complete Caliper Assembly | 1 | "–" | |
| 40 | P19767 | Fitting, Bleeder Screw | 2 | "–" | Caliper Assembly |
| 41 | P21824 | Bleeder Screw | 2 | "–" | Caliper Assembly |
| 42 | P21825 | Screw | 2 | "–" | 5/8"-11 x 2.50" (G8) |
| 43 | P19306 | Flatwasher | 4 | "–" | 5/8" |
| 44 | P21826 | Locknut | 2 | "–" | 5/8"-11 (G8) |

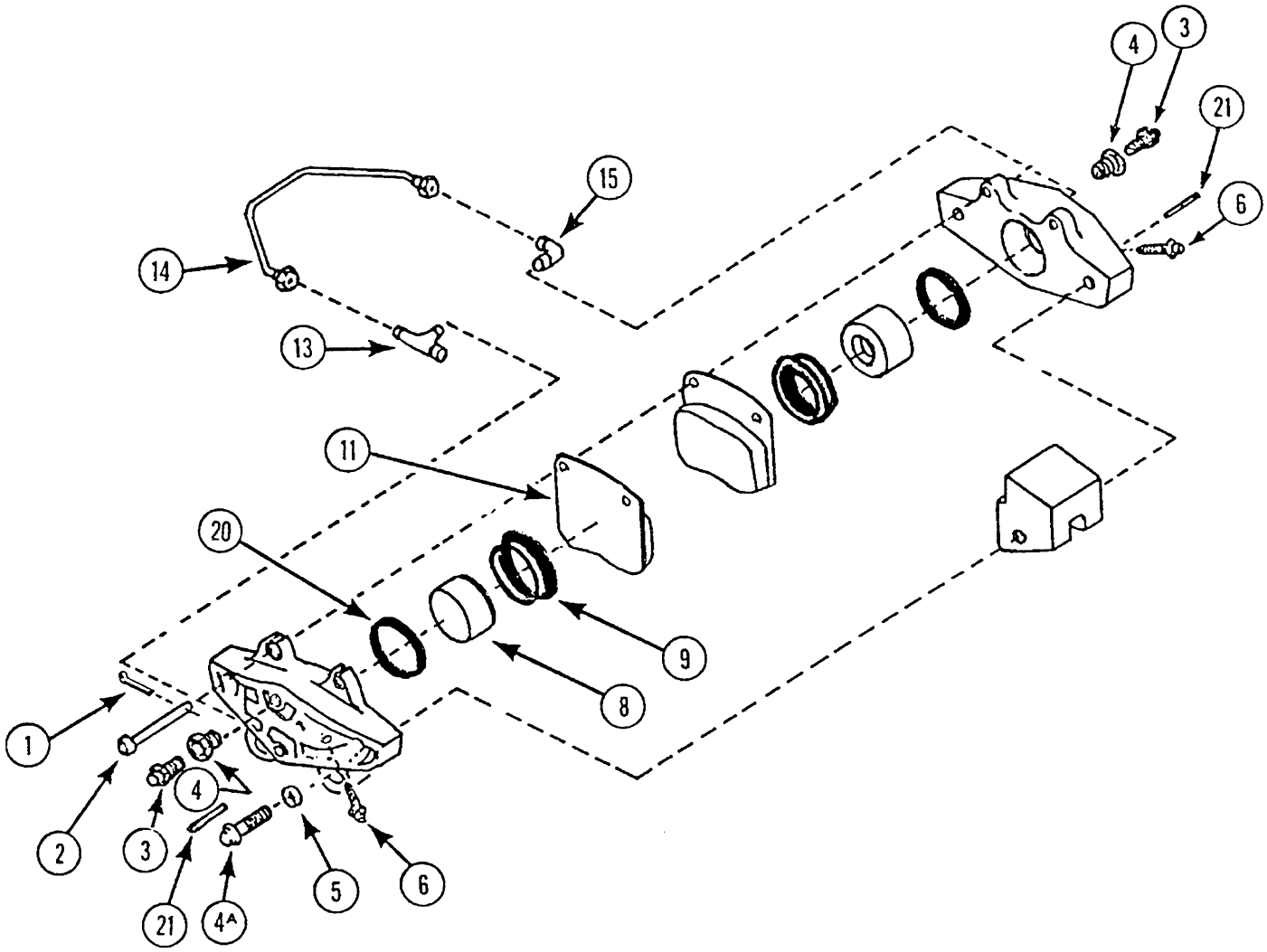



Figure P20780

# P20780

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P20780 | Complete Caliper Assembly | | 530, 533–822 | |
| 1 | P19177 | Pin, Cotter | 2 | "–" | |
| 2 | P19176 | Pin, Anchor | 2 | "–" | |
| 3 | P20789 | Vent | 2 | "–" | |
| 4 | P20790 | Fitting, Hydraulic Brake | 2 | "–" | |
| 4A | P19181 | Screw | 4 | "–" | 12 Pt. Cap |
| 5 | P19182 | Flatwasher | 4 | "–" | |
| 6 | P20792 | Vent | 4 | "–" | |
| 8 | P20785 | Piston, Wheel cylinder | 2 | "–" | |
| 9 | P20784 | Boot | 2 | "–" | |
| 11 | P19159 | Pad, Brake | 2 | "–" | |
| 13 | P19168 | Tee, Flare Tube | 1 | "–" | |
| 14 | P19166 | Tubing, Brake | 1 | "–" | |
| 15 | P19167 | Elbow, Flare Tube | 1 | "–" | |
| 20 | P20786 | O-Ring | 2 | "–" | |
| 21 | P20791 | Pin, Drive | 2 | "–" | |

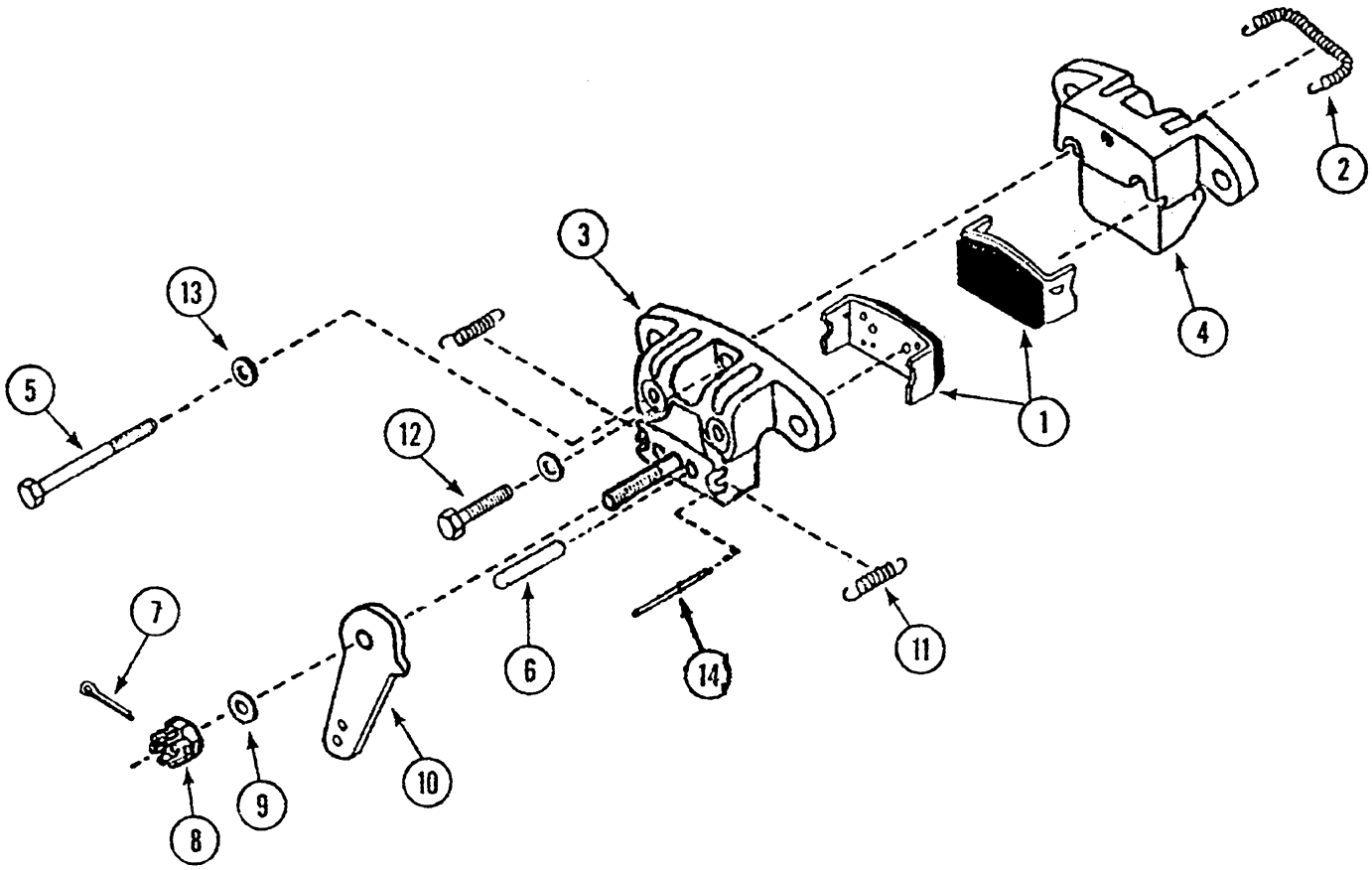



Figure P20781

# P20781

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P20781 | Complete Caliper Assembly | | 530, 533–822 | |
| 1 | P26210 | Kit, Brake Pad | 2 | "–" | Includes Springs |
| 2 | P20796 | Spring | 1 | "–" | |
| 3 | P20794 | Housing & Stud Assembly | 1 | "–" | Cam Side |
| 4 | P20795 | Housing - Brake, Carrier | 1 | "–" | |
| 5 | P20803 | Bolts | 2 | "–" | |
| 6 | P20799 | Straight Pins | 2 | "–" | |
| 7 | P20821 | Cotter Pin | 1 | "–" | |
| 8 | P20820 | Slotted Nut | 1 | "–" | |
| 9 | P20819 | Flatwasher | 1 | "–" | |
| 10 | P20800 | Lever Arm, Brake Shoe | 1 | "–" | |
| 11 | P20791 | Spring, Coil Tension | 2 | "–" | |
| 12 | P20801 | Bolt, Hx. | 1 | "–" | |
| 13 | P20802 | Washer | 3 | "–" | |
| 14 | P20798 | Pin | 1 | "–" | |

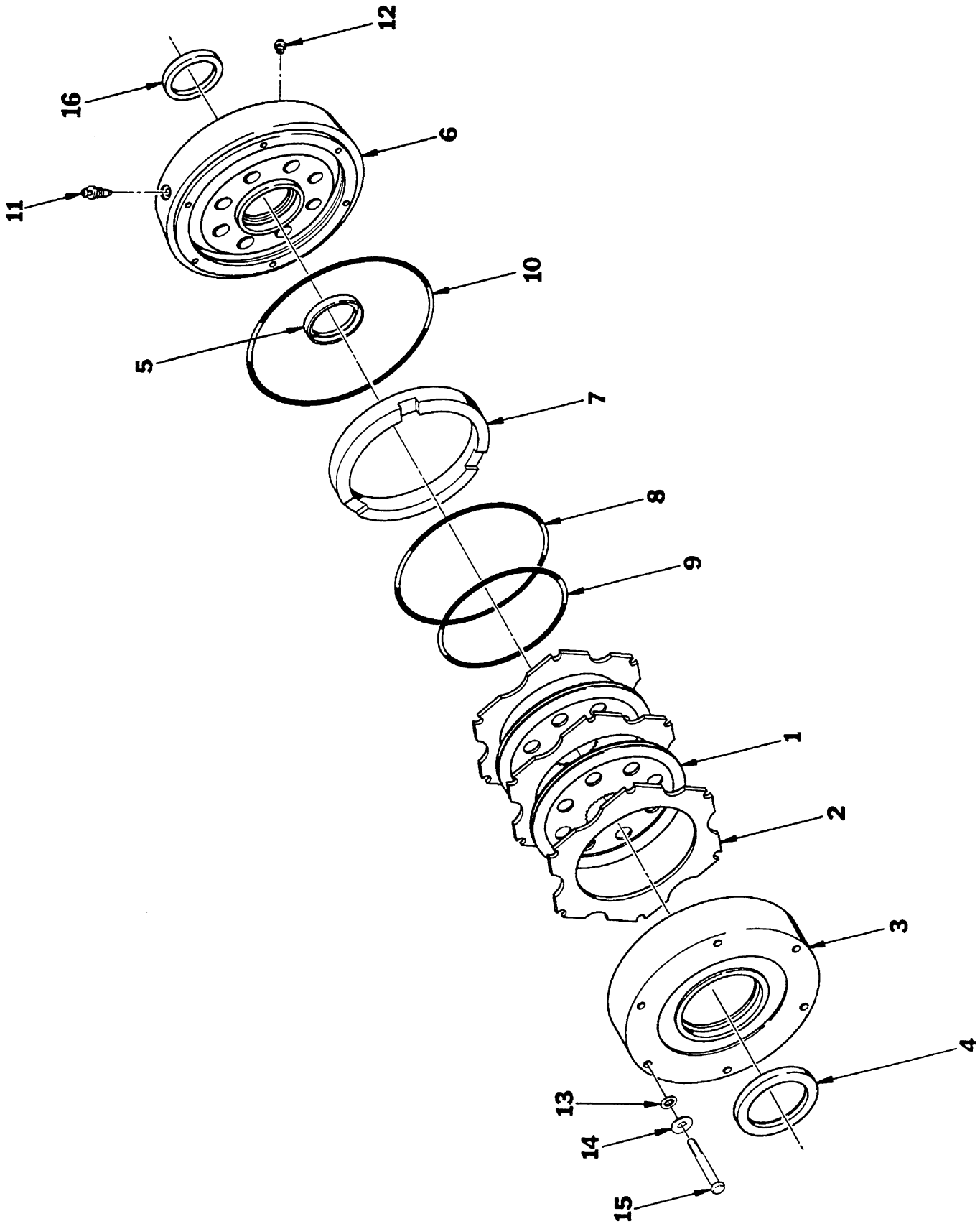



**Figure P24888**

# P24888

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P24888 | Brake Assembly, Wet Disc | – | 823-1694 | Complete |
| 1 | P24886 | Disc - Rotating | 2 | "–" | |
| 2 | P24887 | Disc - Stationary | 3 | "–" | |
| 3 | P25090 | Housing | 1 | "–" | |
| 4 | P25091 | Seal, Oil | 1 | "–" | |
| 5 | P25092 | Seal, Oil (Special) | 1 | "–" | |
| 6 | P25093 | Plate, Power | 1 | "–" | |
| 7 | P25094 | Piston | 1 | "–" | |
| 8 | P25095 | Seal, O-Ring | 1 | "–" | Piston - Large |
| 9 | P25096 | Seal, O-Ring | 1 | "–" | Piston - Small |
| 10 | P25097 | Seal, O-Ring | 1 | "–" | Housing |
| 11 | P25098 | Screw, Bleeder | 1 | "–" | |
| 12 | P25099 | Orifice | 1 | "–" | |
| 13 | P25089 | Washer, Seal | 6 | "–" | |
| 14 | P01404 | Washer, Flat | 6 | "–" | 3/8" |
| 15 | P00238 | Bolt, Hex | 6 | "–" | 3/8"-16 x 2-3/4" GR 8 |
| 16 | P26311 | Seal, Oil | 1 | "–" | |
| NI | 21494A | Kit, Seal | – | "–" | Includes Items 4, 5 & 13 |

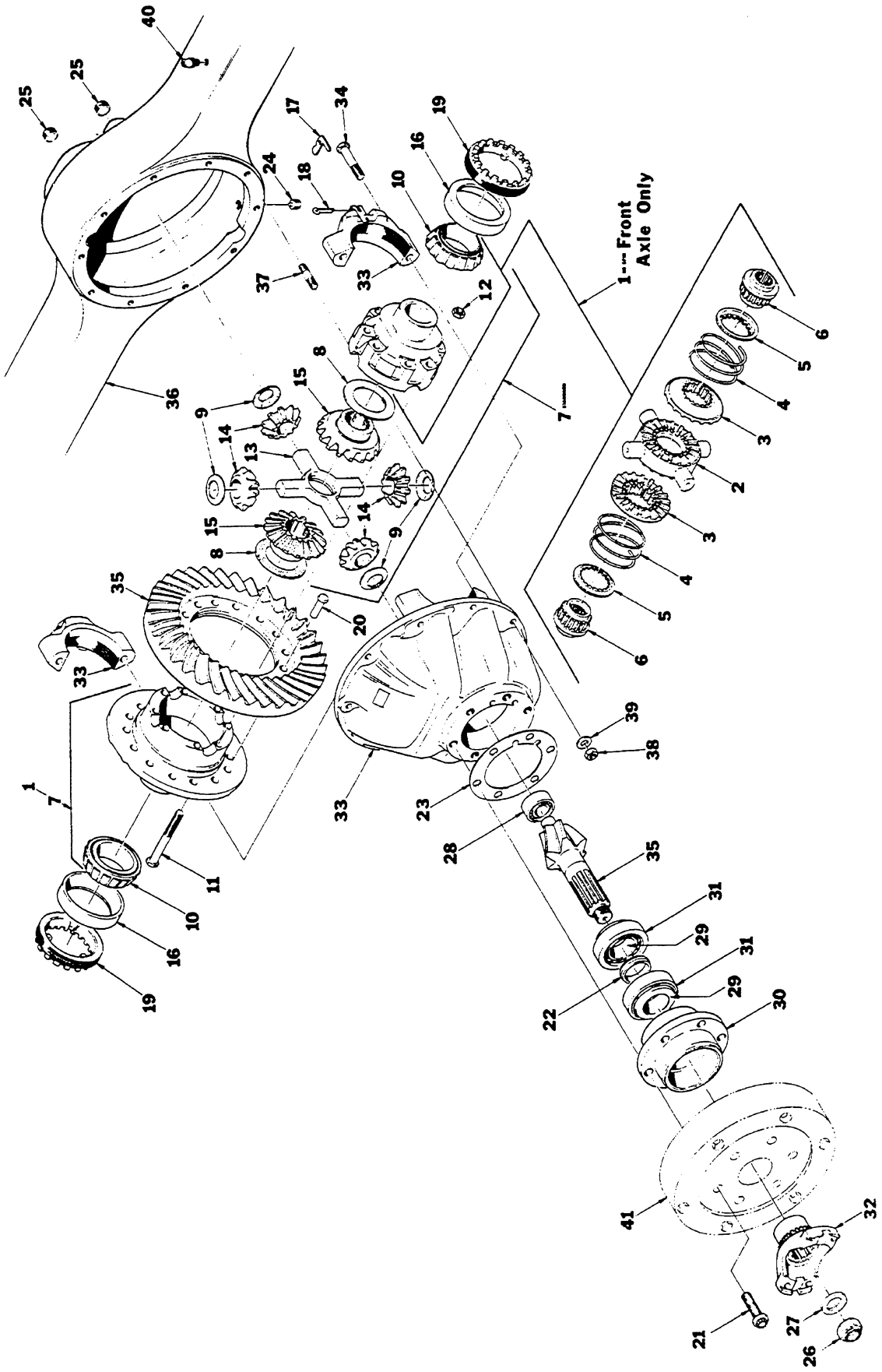



Figure P25147

# P25147

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P25147 | Differential Assy | 1 | 823–1694 | No-Spin (Incl. 2–6, 10–12) |
| — | P25124 | Carrier Assy - No-Spin | – | "–" | (Incl. 1–6, 16–23, 26–35 & 41) |
| — | P25125 | Carrier Assy - Standard | – | "–" | (Incl. 7–23, 26–35 & 41) |
| 2 | P25142 | Spider | 1 | "–" | |
| 3 | P25143 | Clutch | 2 | "–" | |
| 4 | P25144 | Spring | 2 | "–" | |
| 5 | P25145 | Retainer, Spring | 2 | "–" | |
| 6 | P25146 | Gear, Side | 2 | "–" | |
| 7 | P25136 | Differential Assy | 1 | "–" | Standard (Incl. Items 8–15) |
| 8 | P24834 | Thrust Washer | 2 | "–" | Differential Gear |
| 9 | P24837 | Thrust Washer | 4 | "–" | Pin Gear |
| 10 | P24832 | Bearing, Cone | 2 | "–" | |
| 11 | P24841 | Bolt, Hx. | 8 | "–" | 1/2-13x5.50 (G8PH) |
| 12 | P24839 | LockNut | 8 | "–" | 1/2-13, (G8PH) |
| 13 | P24836 | Spider | 8 | "–" | |
| 14 | P24838 | Gear, Pinion | 4 | "–" | Differential |
| 15 | P24835 | Gear, Differential | 2 | "–" | |
| 16 | P24831 | Cup, Bearing | 2 | "–" | |
| 17 | P24829 | Lock, Bearing Adjuster | 2 | "–" | |
| 18 | P24828 | Pin, Cotter | 2 | "–" | |
| 19 | P24812 | Ring, Adjuster | 2 | "–" | |
| 20 | P24869 | Rivet | 14 | "–" | |
| 21 | P19320 | Bolt, HX. | 6 | "–" | 9/16-12x2.50 (G8PH) |
| 22 | P24818 | Spacer, Pinion | 1 | "–" | |
| 23 | P25131 | Shim, Pinion - .010 | A/R | "–" | |
| | P25132 | Shim, Pinion - .030 | A/R | "–" | |
| | P25133 | Shim, Pinion - .005 | A/R | "–" | |
| 24 | P13780 | Plug, Drain | 1 | "–" | Magnetic |
| 25 | P19300 | Plug, Square Socket | 2 | "–" | 3/4-14, Steel |
| 26 | P21836 | Nut, Pinion | 1 | "–" | |
| 27 | P21835 | Flatwasher | 1 | "–" | |
| 28 | P24814 | Bearing, Roller | 1 | "–" | |
| 29 | P24816 | Cone, Bearing | 2 | "–" | |
| 30 | P25141 | Cap Assy | 1 | "–" | (Incl. Item 31) |
| 31 | P24817 | Cup, Bearing | 2 | "–" | |
| 32 | P25140 | Flange, Companion | 1 | "–" | |
| 33 | P24813 | Carrier & Cap Assy | 1 | "–" | (Incl. Item 34) |
| 34 | P24830 | Bolt, HX. HD. | 4 | "–" | 9/16-18x2.75 (G8PH) |
| 35 | P24815 | Gear, Pin & Ring | 1 | "–" | 6.17 |
| 36 | P25138 | Housing, Axle | 1 | "–" | (Incl. Items 37–39) |
| 37 | P13833 | Stud | 6 | "–" | 7/16-14 & 7/16-20x2.OD |
| | P25162 | Stud | 2 | "–" | 7/16-14 &7/16-20x2.38 |
| | P25163 | Stud | 2 | "–" | 7/16-14 & 7/16-20x2.81 |
| 38 | P24884 | Locknut | 10 | "–" | 7/16-14, G8 |
| 39 | P21813 | Washer, Hardened | 10 | "–" | 7/16 |
| 40 | P13784 | Vent, Air | 1 | "–" | |
| 41 | P24888 | Brake Assembly, Wet Disc | – | "–" | |

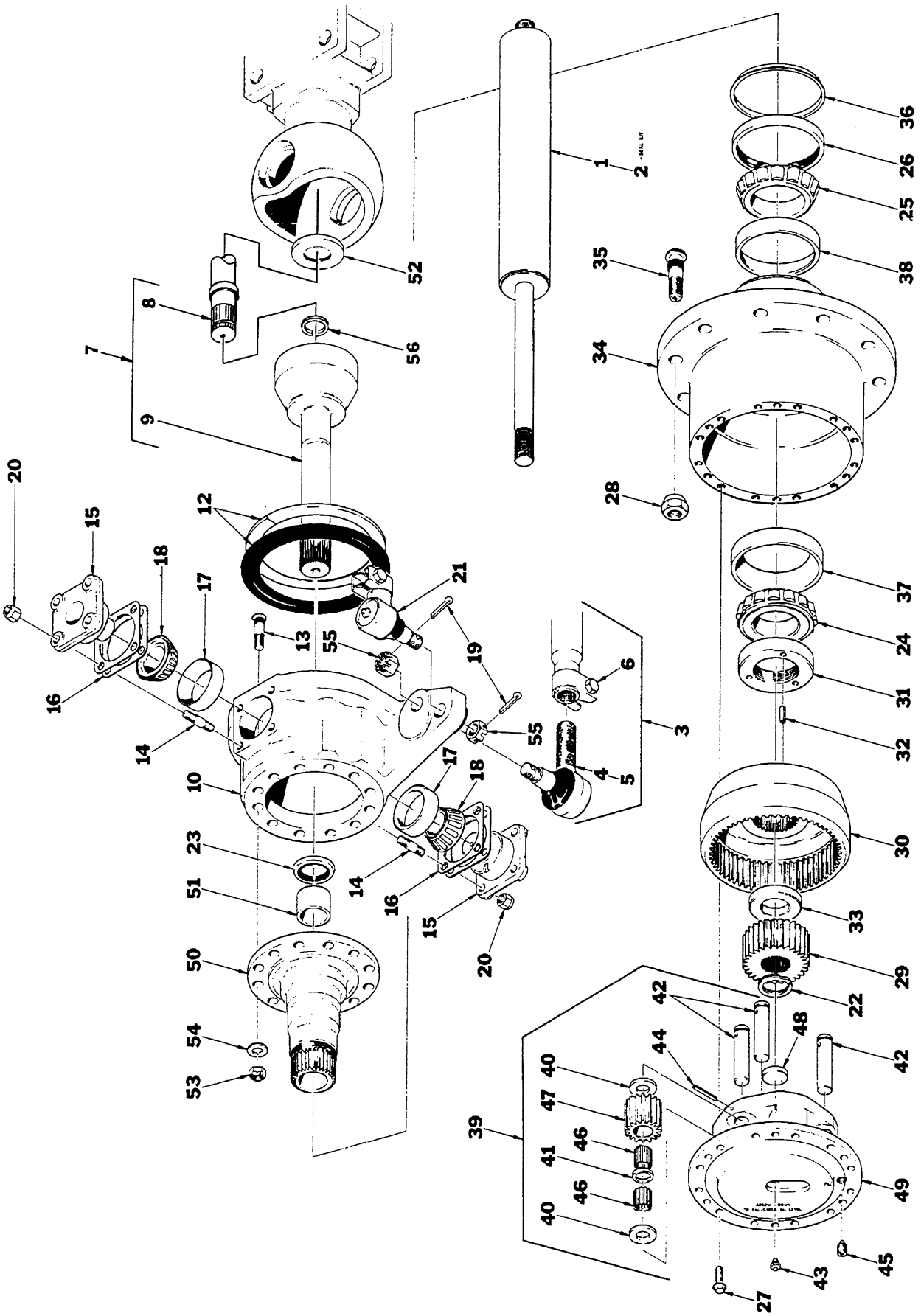



Figure P25147-1

## P25147-1 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P21827 | Cylinder, Steering | 2 | 823–1694 | |
| 2 | P25170 | Kit, Seal | – | "–" | Steer Cylinder |
| 3 | P25155 | Tie Rod Assy. | 1 | "–" | Incl. Items 4–6 |
| 4 | P10345 | Tie Rod End - Fine Thread | 1 | "–" | |
| 5 | P23263 | Tie Rod End - Coarse Thread | 1 | "–" | |
| 6 | P23264 | Clamp, Tie Rod | 2 | "–" | |
| 7 | P25134 | Shaft & U-Joint Assy. | 1 | "–" | Incl. Item 8 & 9 |
| 8 | P25126 | Shaft, Axle | 2 | "–" | RH & LH |
| 9 | P25150 | U-Joint | 2 | "–" | RH & LH Incl. Item 56 |
| 10 | P25152 | Steering Knuckle | 1 | "–" | LH Incl. Items 12–14 Shown |
| 11 | P25153 | Steering Knuckle | 1 | "–" | RH Incl. Items 12–14 |
| 12 | P25157 | Seal, Oil | 2 | "–" | |
| 13 | P25158 | Stud, Spindle | 24 | "–" | |
| 14 | P25160 | Stud, Trunnion | 16 | "–" | |
| 15 | P25151 | Trunnion | 4 | "–" | |
| 16 | P13839 | Shim, .005" | A/R | "–" | |
| | P13840 | Shim, .010" | A/R | "–" | |
| 17 | P25148 | Cup Bearing | 4 | "–" | |
| 18 | P25149 | Cone Bearing | 4 | "–" | |
| 19 | P13835 | Pin, Cotter | 6 | "–" | |
| 20 | P13842 | Locknut | 16 | "–" | |
| 21 | P13915 | Socket Assembly | 4 | "–" | |
| 22 | P13783 | Retainer, Ring | 2 | "–" | |
| 23 | P13869 | Seal, Oil | 2 | "–" | |
| 24 | P25115 | Cone, Bearing | 2 | "–" | |
| 25 | P25116 | Cone, Bearing | 2 | "–" | |
| 26 | P25118 | Seal, Oil | 2 | "–" | |
| 27 | P25159 | Bolt, Serrated | 36 | "–" | |
| 28 | P13894 | Lug Nut, Wheel | 20 | "–" | |
| 29 | P21820 | Gear, Sun | 2 | "–" | |
| 30 | P13892 | Gear, Ring | 2 | "–" | |
| 31 | P21818 | Locknut | 2 | "–" | |
| 32 | P21817 | Pin, Roll | 2 | "–" | |
| 33 | P13895 | Spacer | 2 | "–" | |
| 34 | P25172 | Hub Assy. | 2 | "–" | Incl. Items 35–38 |
| 35 | P13888 | Stud, Wheel | 20 | "–" | |
| 36 | P25139 | Deflector | 2 | "–" | |
| 37 | P25117 | Bearing, Cup | 2 | "–" | |
| 38 | P25168 | Bearing, Cup | 2 | "–" | |
| 39 | P25120 | Drive Flange Assy. | 2 | "–" | Incl. Items 40–49 |
| 40 | P13903 | Washer, Special | 12 | "–" | |
| 41 | P13906 | Spacer, Planet Gear | 6 | "–" | |
| 42 | P19334 | Pin, Planet Gear | 6 | "–" | |
| 43 | P21821 | Fitting, Relief | 2 | "–" | |
| 44 | P19335 | Pin, Roll | 6 | "–" | |
| 45 | P13780 | Plug, Drain | 2 | "–" | Magnetic |
| 46 | P13901 | Bearing, Needle | 300 | "–" | |
| 47 | P13902 | Gear, Planet | 6 | "–" | |
| 48 | P19336 | Washer, Thrust | 2 | "–" | |

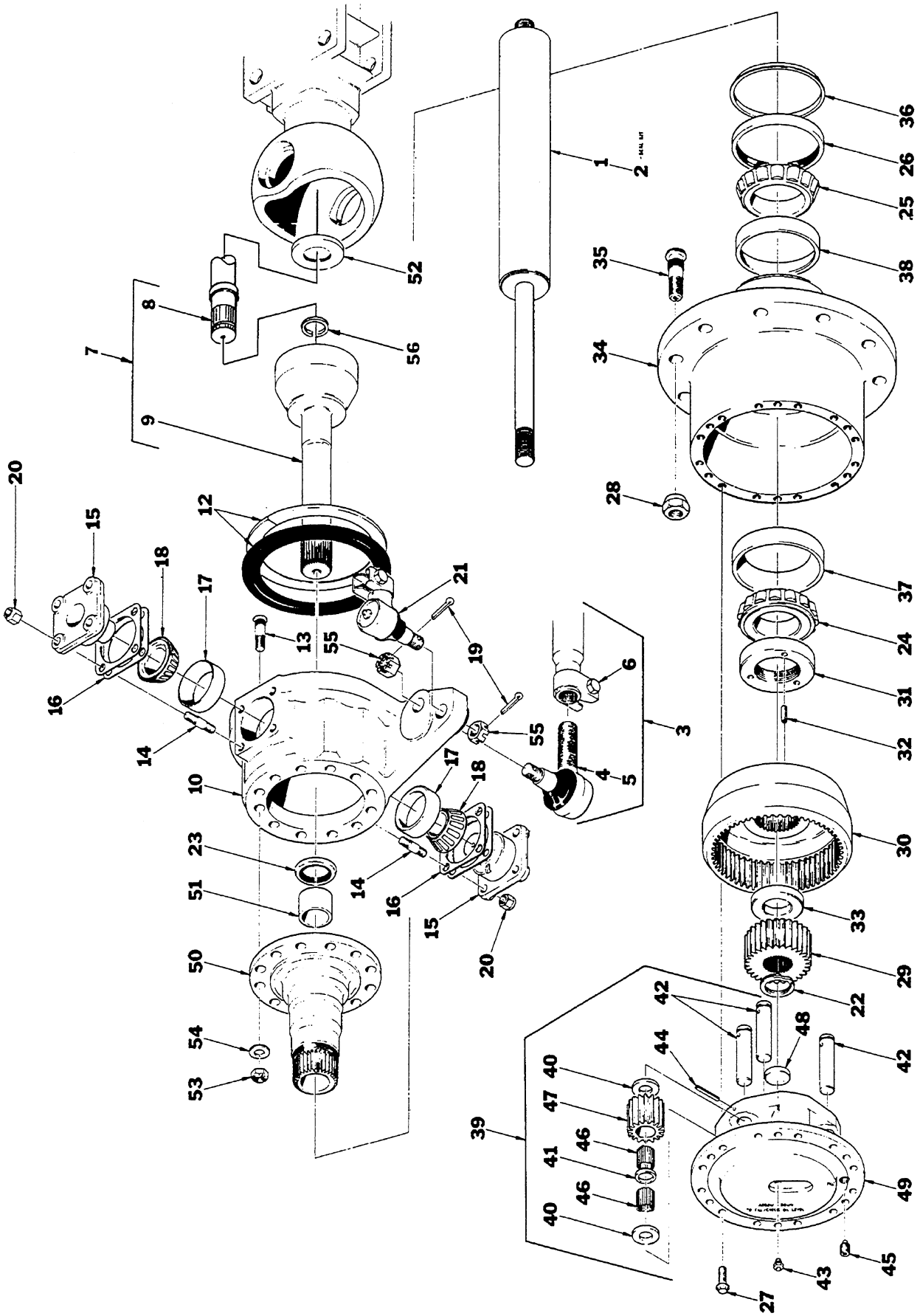



Figure P25147-1

## P25147-1 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 49 | P25121 | Flange, Drive | 2 | "–" | |
| 50 | P25154 | Spindle Assy. | 2 | "–" | Incl. Item 51 |
| 51 | P13872 | Bushing | 2 | "–" | |
| 52 | P25156 | Seal, Oil | 2 | "–" | |
| 53 | P25165 | Nut, Lock | 24 | "–" | |
| 54 | P25167 | Flatwasher | 24 | "–" | |
| 55 | — | Nut, Slotted | 4 | "–" | |
| 56 | P25175 | Ring, Retaining | 2 | "–" | Axle Shaft |

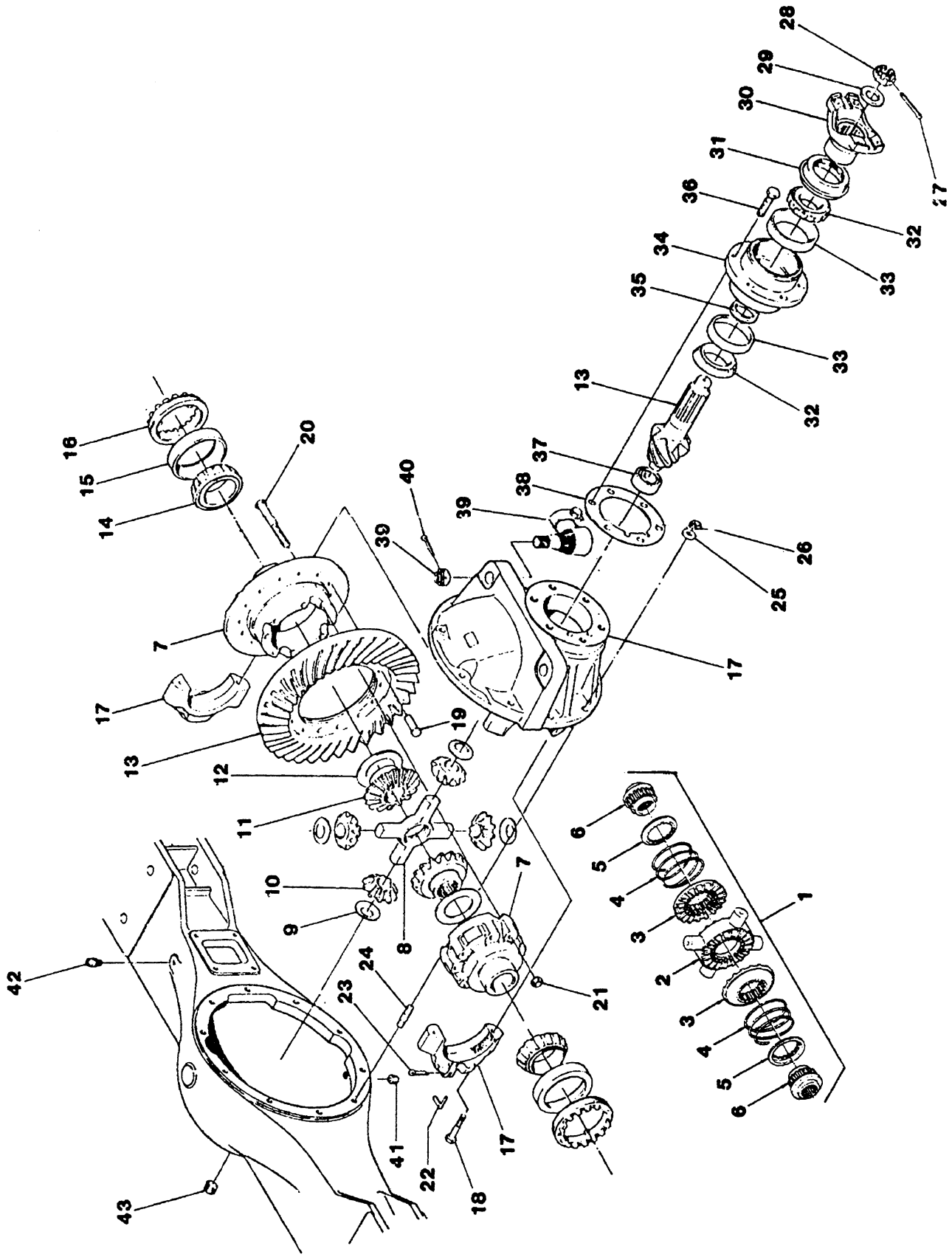



Figure P26157

# P26157

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P26157 | Differential Assy | 1 | 1695– | No-Spin |
| 2 | P25142 | Spider | 1 | "–" | |
| 3 | P25143 | Clutch Member | 2 | "–" | |
| 4 | P25144 | Spring | 2 | "–" | |
| 5 | P25145 | Retainer, Spring | 2 | "–" | |
| 6 | P25146 | Gear, Side | 2 | "–" | |
| 7 | P26809 | Differential Case Assy | 1 | "–" | W/Diff. Lock |
| | P24840 | Differential Case Assy | 1 | "–" | |
| 8 | P24836 | Spider | 1 | "–" | |
| 9 | P24837 | Thrust Washer, Pinion | 4 | "–" | |
| 10 | P26800 | Pinion, Differential | 4 | "–" | |
| 11 | P26811 | Gear, Differential | 2 | "–" | |
| 12 | P24834 | Thrust Washer, Gear | 2 | "–" | |
| 13 | P26160 | Gear, Ring | 1 | "–" | |
| 14 | P24812 | Ring, Adjusting | 2 | "–" | |
| 15 | P24831 | Cup, Bearing | 2 | "–" | |
| 16 | P24832 | Bearing. Cone | 2 | "–" | |
| 17 | P26810 | Carrier Housing & Cap | 1 | "–" | Incl. Item 34 |
| 18 | P24830 | Bolt, HX | 4 | "–" | |
| 19 | P24869 | Rivet | 14 | "–" | |
| 20 | P24841 | Bolt, Hex | 8 | "–" | |
| 21 | P24839 | Lock Nut | 8 | "–" | |
| 22 | P24829 | Lock, Bearing Adjuster | 2 | "–" | |
| 23 | P24828 | Pin, Cotter | 2 | "–" | |
| 24 | P13833 | Stud | 6 | "–" | 7/16-14 & 7/16-20 X 2.00 |
| | P25162 | Stud | 2 | "–" | 7/16-14 & 7/16-20 X 2.38 |
| | P25163 | Stud | 2 | "–" | 7/16-14 & 7/16-20 X 2.81 |
| 25 | P21813 | Flatwasher | 10 | "–" | |
| 26 | P17537 | Locknut | 10 | "–" | |
| 27 | P13818 | Pin, Cotter | 1 | "–" | |
| 28 | P24826 | Nut, Pinion | 1 | "–" | |
| 29 | P24827 | Flatwasher | 1 | "–" | |
| 30 | P26848 | End Yoke | 1 | "–" | |
| 31 | P24825 | Seal, Oil | 1 | "–" | |
| 32 | P24816 | Cone, Bearing | 2 | "–" | |
| 33 | P24817 | Cup, Bearing | 2 | "–" | |
| 34 | P25141 | Retainer, Bearing Cap | 1 | "–" | Incl. Item 33 |
| 35 | P24818 | Spacer, Pinion - STD | 1 | "–" | Consult Factory |
| 36 | P24844 | Bolt, Hex | 6 | "–" | |
| 37 | P24814 | Bearing, Roller | 1 | "–" | |
| 38 | P25131 | Shim, Pinion - .010" | A/R | "–" | |
| | P25132 | Shim, Pinion - .030" | A/R | "–" | |
| | P25133 | Shim, Pinion - .005" | A/R | "–" | |
| 39 | P13915 | Socket Assembly | 4 | "–" | Incl. Nut |
| 40 | P13835 | Pin, Cotter | 4 | "–" | |
| 41 | P13780 | Plug, Drain | 1 | "–" | Magnetic |
| 42 | P13784 | Vent | 1 | "–" | |
| 43 | P19300 | Plug, Pipe | 1 | "–" | |

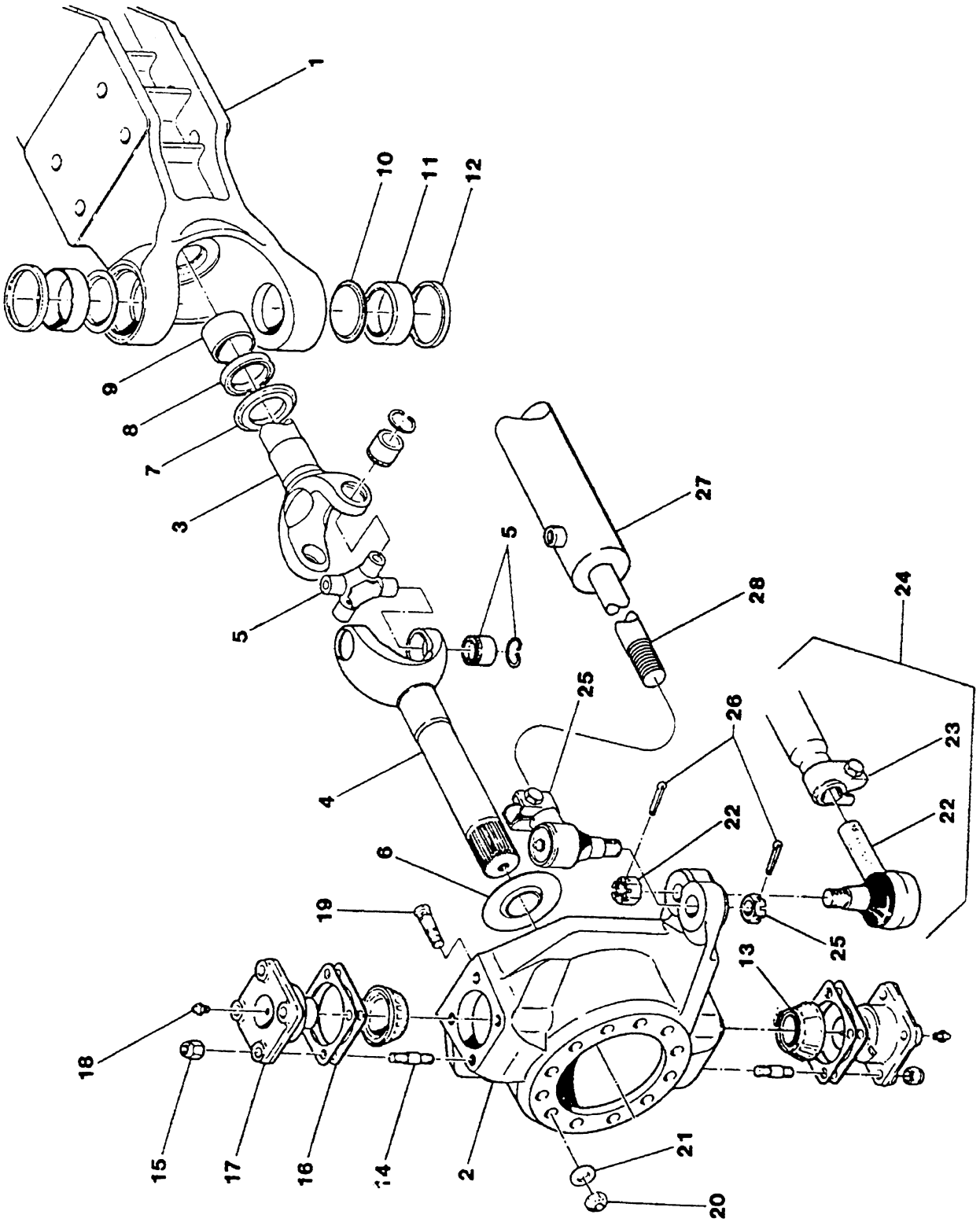



Figure P26157-1

# P26157-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P26158 | Housing, Axle | 1 | 1695– | |
| | P26159 | Housing, Axle W/Diff. Lock | 1 | "–" | |
| 2 | P26824 | Knuckle, Steering | 1 | "–" | LH |
| | P26836 | Knuckle, Steering | 1 | "–" | RH |
| 3 | P26835 | Shaft, Inner Yoke | 1 | "–" | L.F. & R.R. |
| | P26831 | Shaft, Inner Yoke | 1 | "–" | L.R. & R.F. |
| 4 | P26817 | Shaft, Outer Yoke | 2 | "–" | |
| 5 | P26175 | U-Joint | 2 | "–" | |
| 6 | P26846 | Slinger, Dust Outer | 2 | "–" | |
| 7 | P26847 | Slinger, Dust Inner | 2 | "–" | |
| 8 | P25156 | Seal, Oil | 2 | "–" | |
| 9 | P26844 | Bushing | 2 | "–" | |
| 10 | P26802 | Retainer, Grease | 4 | "–" | |
| 11 | P25148 | Cup, Bearing | 4 | "–" | |
| 12 | P26801 | Seal, King Pin | 4 | "–" | |
| 13 | P25149 | Cone, Bearing | 4 | "–" | |
| 14 | P25160 | Stud, King Pin | 16 | "–" | |
| 15 | P13842 | Locknut | 16 | "–" | |
| 16 | P13839 | Shim - .005" | A/R | "–" | |
| | P13840 | Shim - .010" | A/R | "–" | |
| 17 | P26804 | Cap, King Pin | 4 | "–" | |
| 18 | P13786 | Fitting, Grease | 4 | "–" | |
| 19 | P25158 | Stud, Spindle | 24 | "–" | |
| 20 | P25165 | Locknut | 24 | "–" | |
| 21 | P25167 | Flatwasher | 24 | "–" | |
| 22 | P26190 | Tie Rod End | 1 | "–" | 1.125 - 12 (Incl. Nut) |
| | P25191 | Tie Rod End | 1 | "–" | 1.125 - 16 (Incl. Nut) |
| 23 | P26193 | Clamp, Tie Rod | 2 | "–" | |
| 24 | P26843 | Tie Rod Assy | 1 | "–" | (Incl. Items 22 & 23) |
| 25 | P13915 | Socket Assembly | 4 | "–" | |
| 26 | P13835 | Pin, Cotter | 6 | "–" | |
| 27 | P26162 | Cylinder, Steering | 2 | "–" | |
| 28 | P26163 | Rod, Steer Cylinder | | "–" | |
| NI | P21828 | Kit, Steering Cylinder Seal | | "–" | |

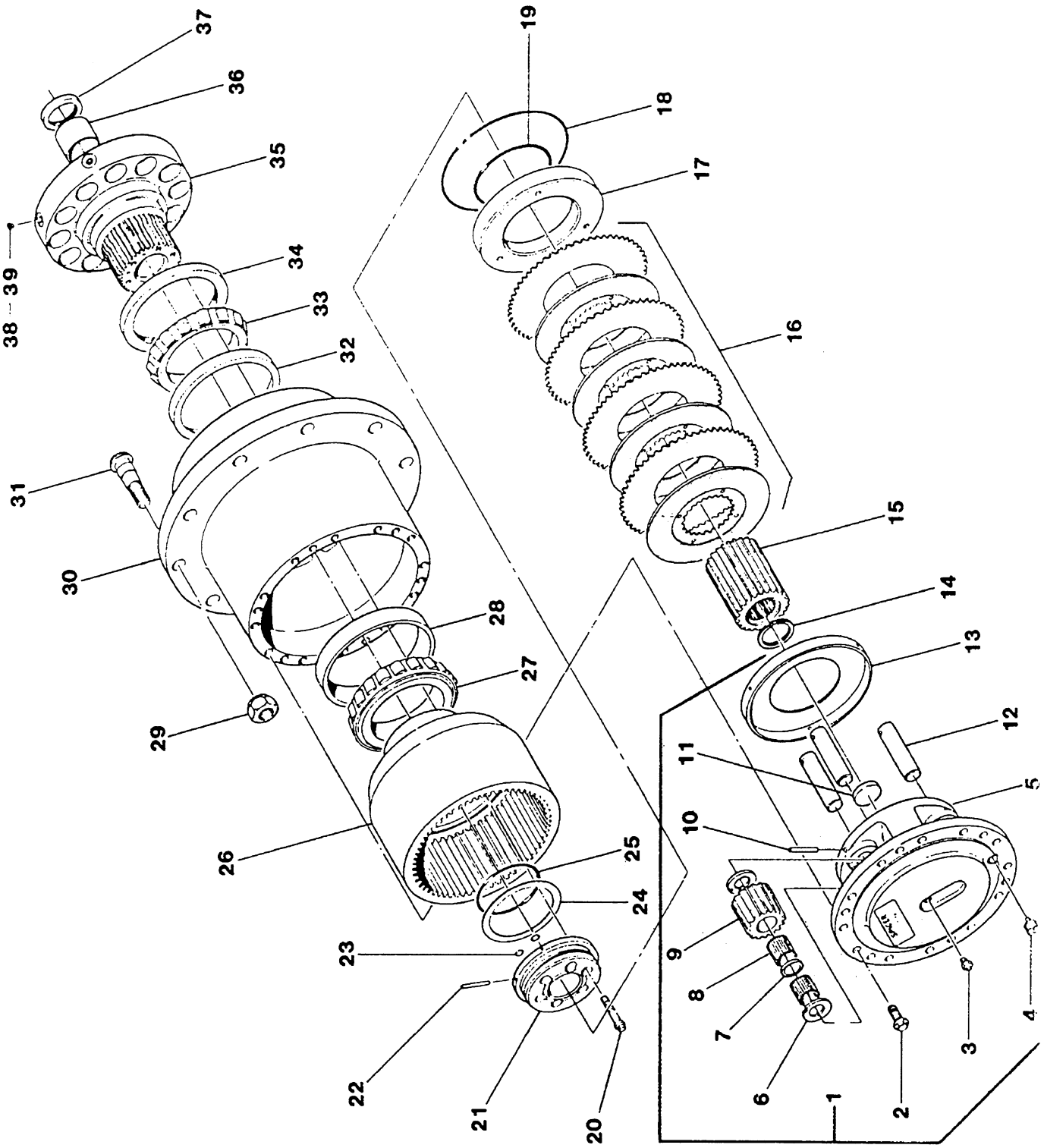



Figure P26155

# P26155

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P26155 | Gear Assy, Planetary | 2 | ..... | (Incl. Items 2–12) |
| 2 | P25159 | Bolt, Hx. Self Locking | 36 | ..... | |
| 3 | P21821 | Vent | 2 | ..... | |
| 4 | P13780 | Plug, Drain | 2 | ..... | Magnetic |
| 5 | P26830 | Flange, Drive | 2 | ..... | |
| 6 | P13903 | Washer, Keyed | 12 | ..... | |
| 7 | P13906 | Washer, Bearing | 6 | ..... | |
| 8 | P13901 | Bearing, Needle | 300 | ..... | |
| 9 | P26812 | Gear, Spur Planet | 6 | ..... | |
| 10 | P26829 | Pin, Roll | 6 | ..... | |
| 11 | P19336 | Washer, Drive Flange | 2 | ..... | |
| 12 | P26840 | Shaft, Planet Gear | 6 | ..... | |
| 13 | P26845 | Plate, Lining Stop | 2 | ..... | |
| 14 | P13783 | Ring, Snap | 2 | ..... | |
| 15 | P26827 | Gear, Spur | 2 | ..... | |
| 16 | P26807 | Kit, Disc Replacement | 2 | ..... | |
| 17 | P26825 | Piston | 2 | ..... | |
| 18 | P26828 | Seal, O-Ring | 2 | ..... | Large |
| 19 | P26834 | Seal, O-Ring | 2 | ..... | Small |
| 20 | P26821 | Cap Screw | 12 | ..... | 12 Pt |
| 21 | P26839 | Retainer, Bearing | 2 | ..... | |
| 22 | P26816 | Tubing, Brake | 2 | ..... | |
| 23 | P26838 | Seal, O-Ring | 4 | ..... | |
| 24 | P26871 | Shim - .002" | A/R | ..... | |
| | P26872 | Shim - .005" | A/R | ..... | |
| | P26873 | Shim - .010" | A/R | ..... | |
| | P26874 | Shim - .020" | A/R | ..... | |
| | P26875 | Shim - .030" | A/R | ..... | |
| 25 | P26841 | Seal, O-Ring | 2 | ..... | |
| 26 | P26813 | Gear, Planetary Ring | 2 | ..... | |
| 27 | P26179 | Cone, Bearing | 2 | ..... | Outer |
| 28 | P26178 | Cup, Bearing | 2 | ..... | Outer |
| 29 | P13894 | Lug Nut, Wheel | 20 | ..... | |
| 30 | P26156 | Hub, Planetary | 2 | ..... | (Incl. Items 31–33) |
| 31 | P13888 | Stud, Wheel | 20 | ..... | |
| 32 | P26176 | Cup, Bearing | 2 | ..... | Inner |
| 33 | P26177 | Cone, Bearing | 2 | ..... | Inner |
| 34 | P26820 | Seal, Oil | 2 | ..... | |
| 35 | P26842 | Spindle | 2 | ..... | (Incl. Items 36 & 38) |
| 36 | P13872 | Bushing | 2 | ..... | |
| 37 | P13869 | Seal, Oil | 2 | ..... | |
| 38 | P26826 | Seat, Insert | 4 | ..... | |
| 39 | P25111 | Bleeder | 2 | ..... | NI |
| NI | P26808 | Kit, Seal | | ..... | (Incl. Item 18, 19. 23 & 25) |

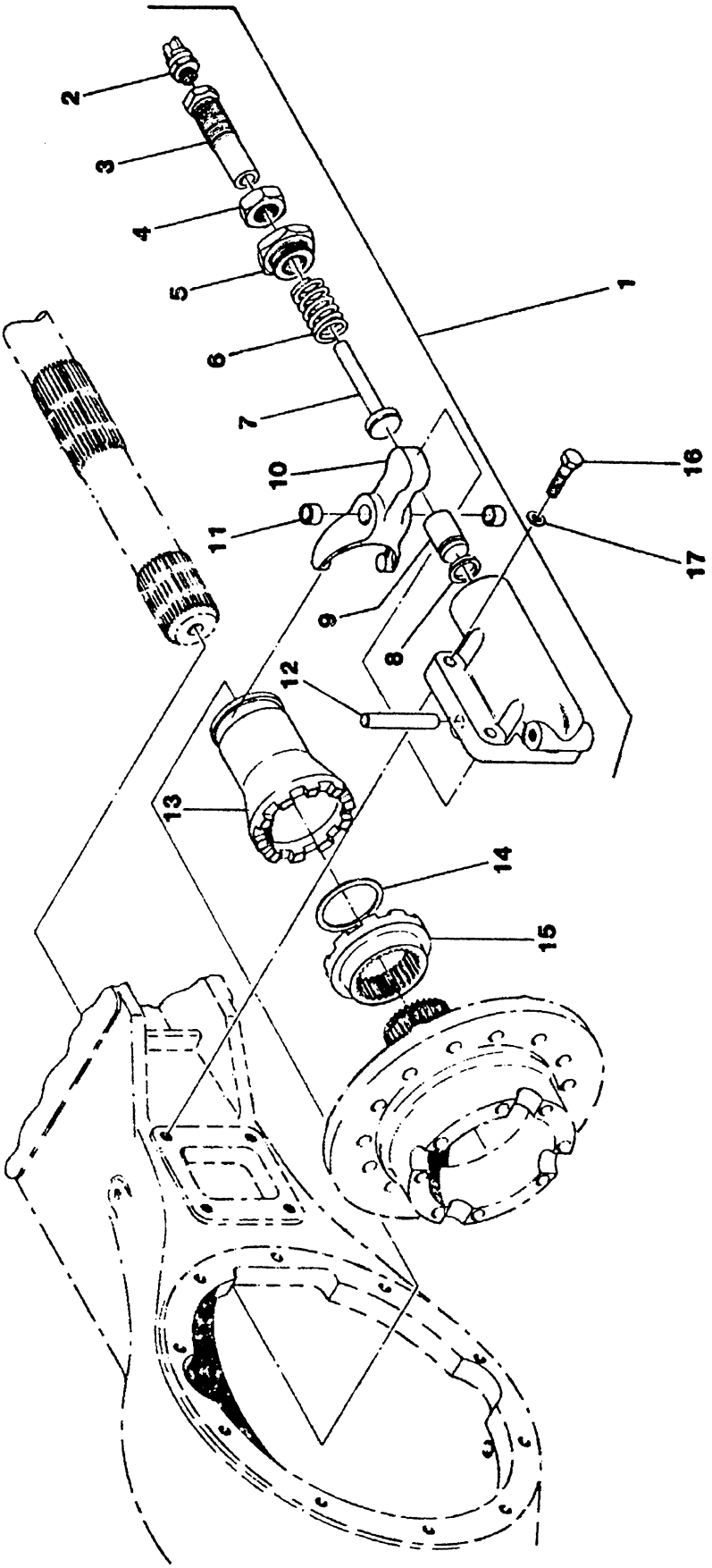



**Figure P26806**

# P26806

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P26806 | Differential Lock Assy | 1 | 1695– | (Incl. Item 2–12) |
| 2 | P26180 | Switch | 1 | "–" | |
| 3 | P26815 | Bolt, Locating | 1 | "–" | |
| 4 | P26803 | Nut, Jam | 1 | "–" | |
| 5 | P26819 | Nut, Spring Retainer | 1 | "–" | |
| 6 | P26174 | Spring | 1 | "–" | |
| 7 | P26818 | Rod | 1 | "–" | |
| 8 | P26814 | Seal, Oil | 1 | "–" | |
| 9 | P26823 | Piston | 1 | "–" | |
| 10 | P26833 | Fork, Shift | 1 | "–" | |
| 11 | P26849 | Bushing | 2 | "–" | |
| 12 | P26837 | Pin, Shift Fork | 1 | "–" | |
| 13 | P26805 | Collar, Clutch | 1 | "–" | |
| 14 | P26822 | Ring, Retaining | 1 | "–" | |
| 15 | P26832 | Collar, Clutch | 1 | "–" | |
| 16 | P00206 | Bolt, Hx. | 4 | "–" | 3/8 - 16 X 1 1/2 |
| 17 | P01404 | Flatwasher | 4 | "–" | 3/8 |

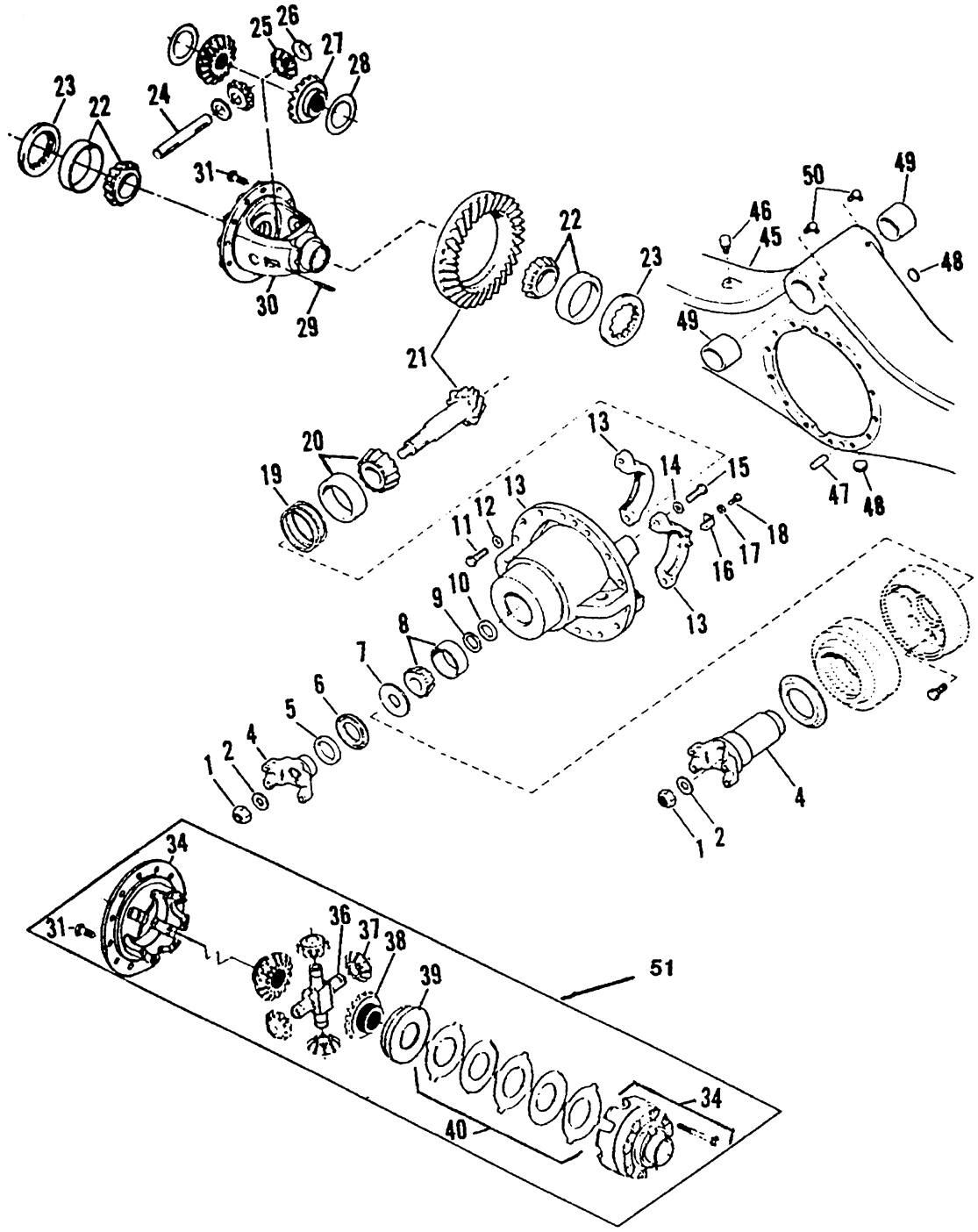



**Figure P31259-1**

# P31259-1 Carrier Assembly (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31366 | Nut - Pinion | 1 | 2986 – | |
| 2 | P31367 | Washer - Pinion Nut | 1 | " – " | |
| 4 | P31041 | End Yoke | 1 | " – " | Includes Item 5 |
| 5 | P31369 | Deflector | 1 | " – " | |
| 6 | P31372 | Seal - Oil | 1 | " – " | |
| 7 | P31534 | Washer - Bearing Thrust | 1 | " – " | |
| 8 | P31373 | Bearing Kit (Outer Piston) | 1 | " – " | |
| 9 | P31374 | Shim - Adj. (Pinion Bearing Preload) | A/R | " – " | |
| 10 | P31375 | Spacer - Flat | 1 | " – " | |
| 11 | P31376 | Capscrew - Carrier Mounting | 14 | " – " | |
| 12 | P31377 | Flatwasher | 14 | " – " | |
| 13 | P31535 | Carrier Sub Assembly | 1 | " – " | |
| 14 | P31378 | Flatwasher | 4 | " – " | |
| 15 | P31379 | Capscrew - Bearing Cap Mounting | 4 | " – " | |
| 16 | P31380 | Lock - Bearing Adj. Nut | 2 | " – " | |
| 17 | P31381 | Flatwasher | 2 | " – " | |
| 18 | P31382 | Capscrew - Lock Mounting | 2 | " – " | |
| 19 | P31383 | Shim - Adj. (Pinion Position) | A/R | " – " | |
| 20 | P31384 | Bearing Kit (Inner Pinion) | 1 | " – " | |
| 21 | P31536 | Ring Gear and Pinion Assembly | 1 | " – " | |
| 22 | P31385 | Bearing Kit Differential Bearing | 2 | " – " | |
| 23 | P31386 | Adjusting Nut - Differential Side Bearing | 2 | " – " | |
| 24 | P31387 | Shaft - Differential | 1 | " – " | Front Axle |
| 25 | P31388 | Pinion Gear - Differential | 2 | " – " | Front Axle |
| 26 | P31389 | Thrust Washer - Differential Pinion | 2 | " – " | Front Axle |
| 27 | P31390 | Side Gear - Differential | 2 | " – " | Front Axle |
| 28 | P31391 | Thrust Washer - Differential Side Gear | 2 | " – " | Front Axle |
| 29 | P31392 | Pin - Roll | 1 | " – " | Front Axle |
| 30 | P31637 | Case - Differential | 1 | " – " | Front Axle |
| 31 | P31393 | Capscrew - Ring Gear Mounting | 12 | " – " | |
| 34 | P31538 | Case Assembly | 1 | " – " | Rear Axle |
| 36 | P31396 | Shaft - Differential | 2 | " – " | Rear Axle |
| 37 | P31397 | Pinion Gear - Differential | 4 | " – " | Rear Axle |
| 38 | P31398 | Side Gear - Differential | 2 | " – " | Rear Axle |
| 39 | P31539 | Ring - Differential Gear | 2 | " – " | Rear Axle |
| 40 | P31540 | Plate - Differential | 4 | " – " | Rear Axle |
| 45 | P31541 | Housing - Axle | 1 | " – " | |

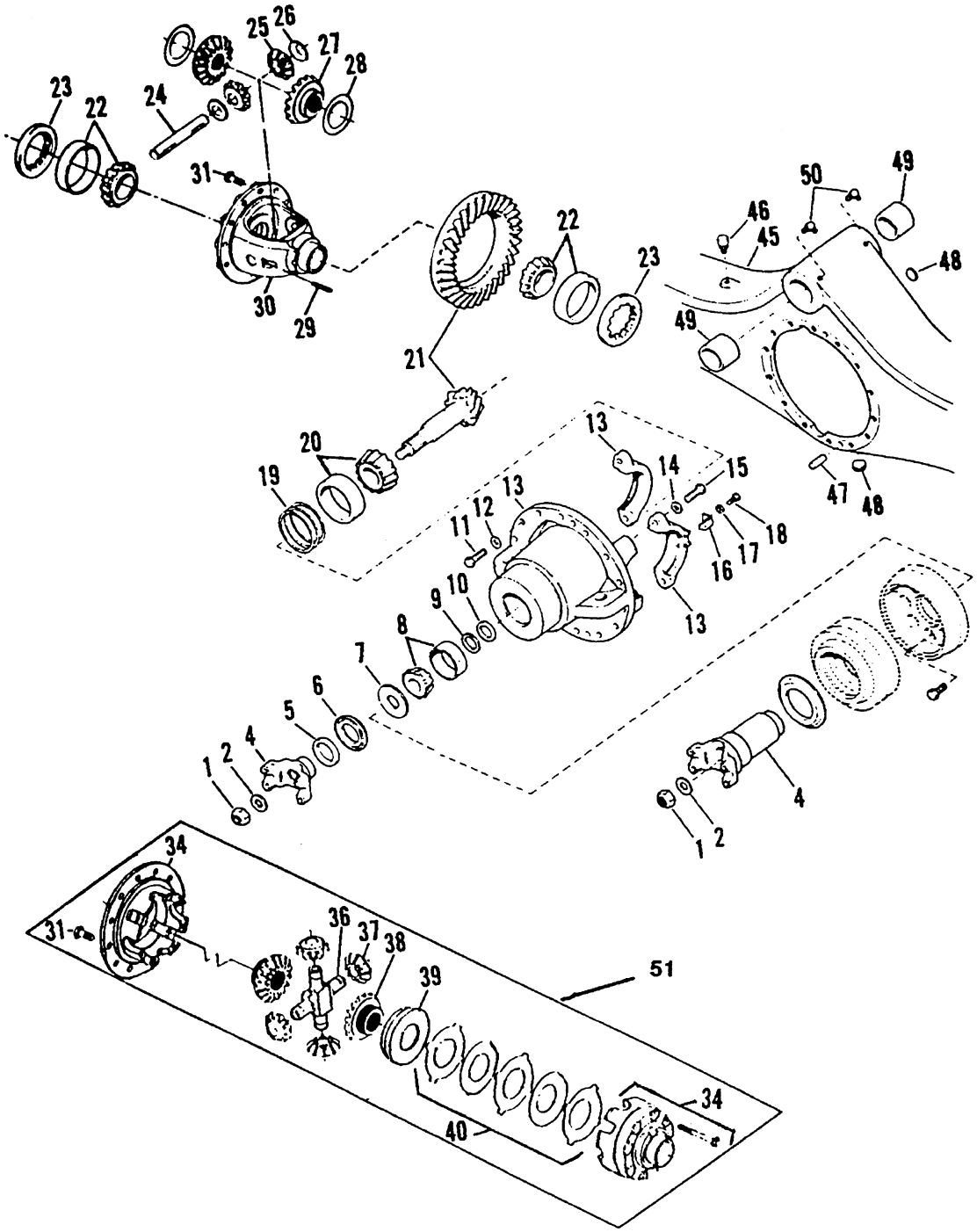



Figure P31259-1

# P31259-1 Carrier Assembly (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 46 | P31399 | Vent | 1 | " – " | |
| 47 | P31394 | Pin - Dowel | 2 | " – " | |
| 48 | P31395 | Plug - Pipe (Drain and Fill/Level) | 2 | " – " | |
| 49 | P31501 | Bushing - Axle Pivot | 2 | " – " | |
| 50 | P31502 | Fitting - Grease | 4 | " – " | |
| 51 | P31542 | Case Assembly w/Parts (Less Item 31) | 1 | " – " | Rear Axle |

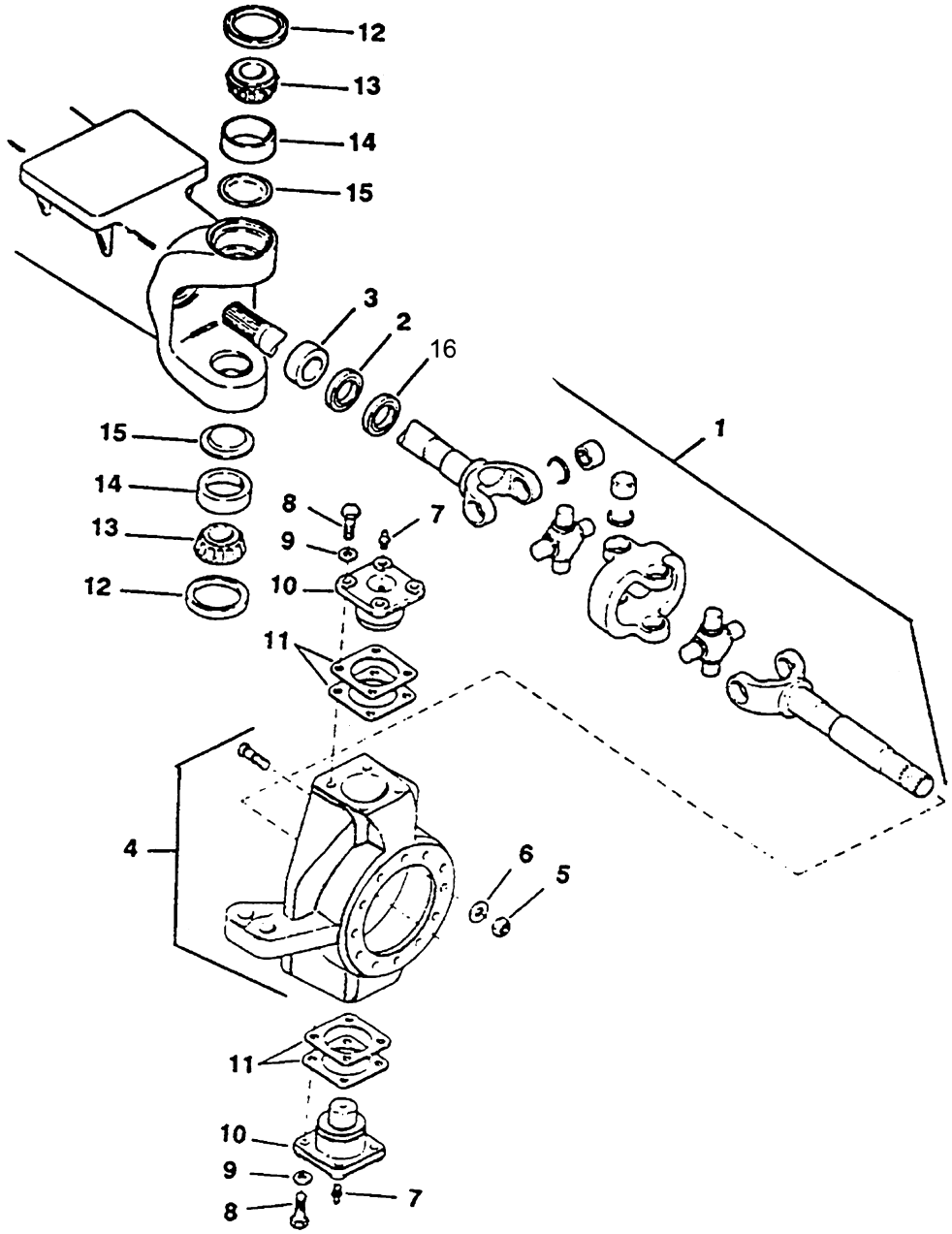



Figure P31259-2

# P31259-2 Axle Steering Joints

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | — | Shaft & Joint Assembly | 1 | 2986 – | |
| | P31343 | Short | – | " – " | Left Front, Right Rear |
| | P31344 | Long | – | " – " | Right Front, Left Rear |
| 2 | P31341 | Oil Seal - Inner Shaft | 1 | " – " | |
| 3 | P31342 | Bushing - Inner Shaft | 1 | " – " | |
| 4 | P31531 | Steering Knuckle | 1 | " – " | Left Front, Right Rear |
| | P31532 | Steering Knuckle | – | " – " | Right Front, Left Rear |
| | P25158 | Stud - Spindle Mounting, Short | 12 | " – " | |
| 5 | P25167 | Locknut - Spindle Mounting | 12 | " – " | |
| 6 | P25165 | Flatwasher | 12 | " – " | |
| 7 | P31502 | Grease Fitting | 2 | " – " | |
| 8 | P31376 | Capscrew - King Pin Cap Mounting | 8 | " – " | |
| 9 | P31377 | Flatwasher | 8 | " – " | |
| 10 | P26804 | Cap - King Pin | 2 | " – " | |
| 11 | P13839 | Shim - King Pin Bearing Adj. | A/R | " – " | .005" |
| | P13840 | Shim - King Pin Bearing Adj. | A/R | " – " | .010" |
| 12 | P26801 | Seal - King Pin Bearing | 2 | " – " | |
| 13 | P31515 | Bearing Cone - King Pin | 2 | " – " | |
| 14 | P25148 | Bearing Cup - King PIn | 2 | " – " | |
| 15 | P26802 | Retainer - Grease | 2 | " – " | |
| 16 | P31544 | Seal | 2 | " – " | Replaces P31340 Deflector |

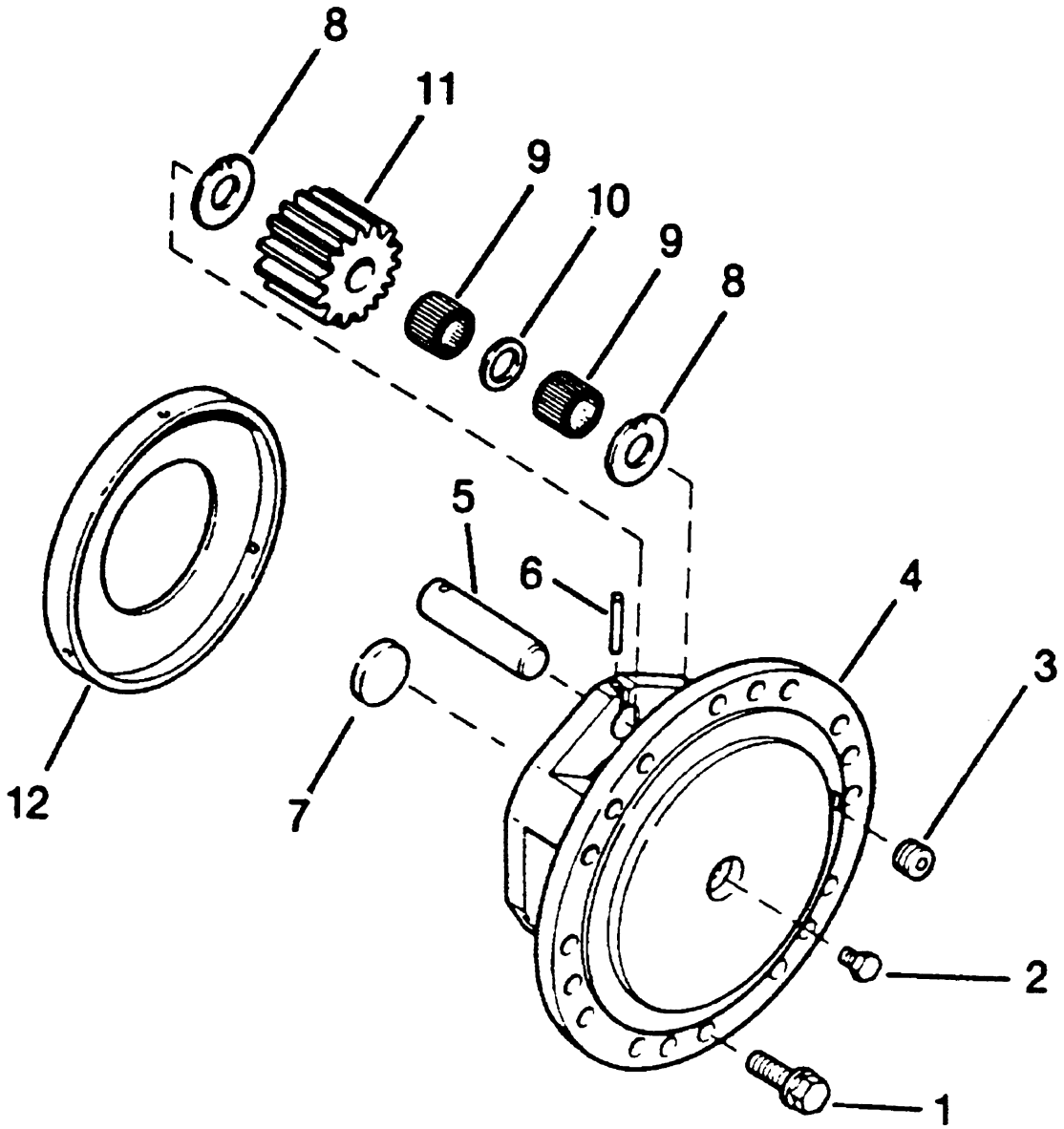



Figure P31259-3

## P31259-3 Drive Flange

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P25159 | Capscrew - Flange Mounting | 18 | 2986 – | |
| 2 | P31530 | Pipe Plug | 1 | " – " | |
| 3 | P13780 | Pipe Plug - Recessed Drive (Magnetic) | 1 | " – " | |
| 4 | P26830 | Planetary Drive Flange | 1 | " – " | |
| 5 | P26840 | Planetary Gear Shaft | 3 | " – " | |
| 6 | P26829 | Roll Pin | 3 | " – " | |
| 7 | P19336 | Drive Flange Washer (Thrust Washer) | 1 | " – " | |
| 8 | P13903 | Flat Spacer (Thrust Washer) | 6 | " – " | |
| 9 | P13901 | Bearing - Needle Roller | 150 | " – " | |
| 10 | P13906 | Spacer Ring - Bearing | 3 | " – " | |
| 11 | P26812 | Planetary Spur Gear | 3 | " – " | |
| 12 | P26845 | Plate - Lining Stop | 1 | " – " | |

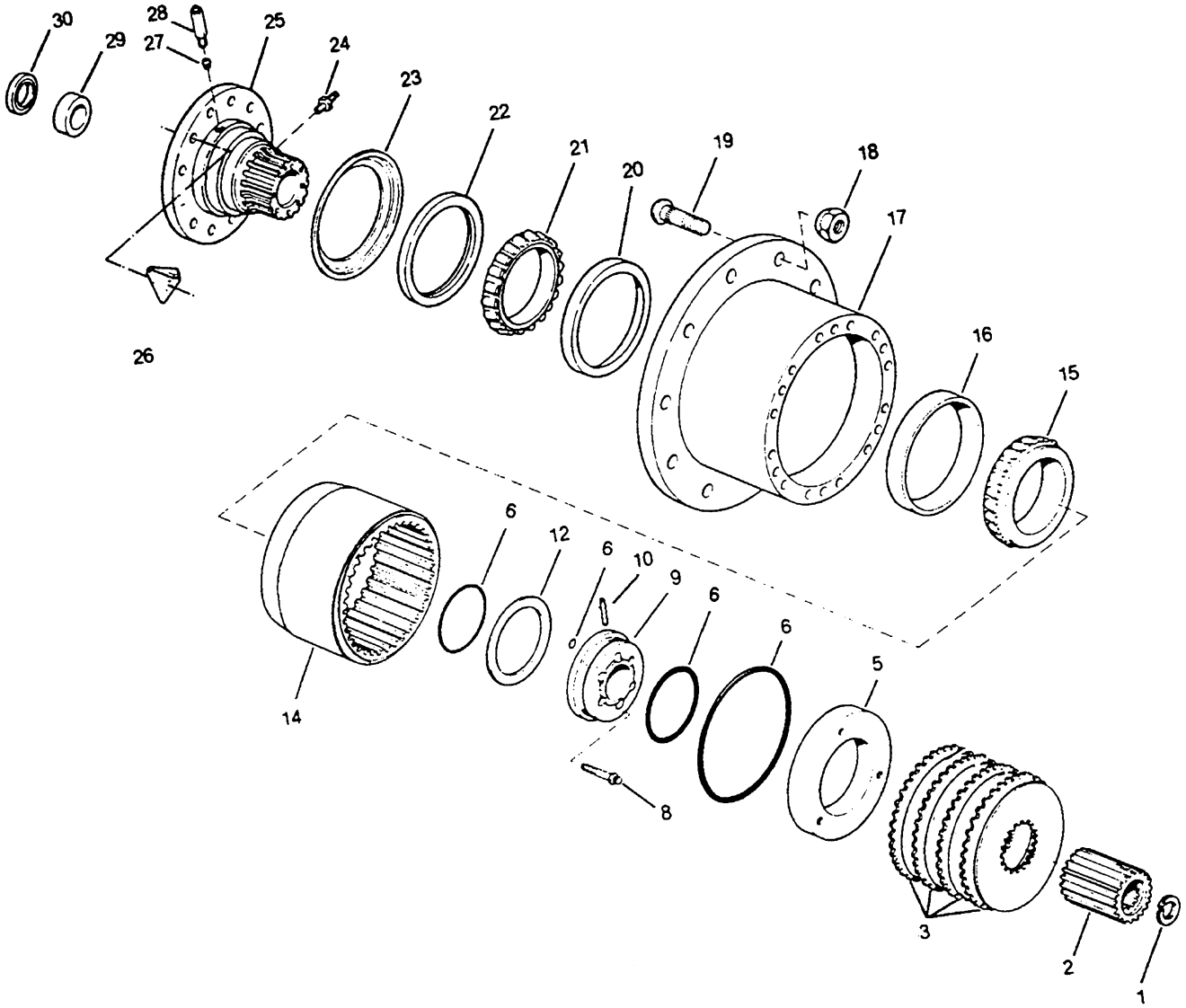



**Figure P31259-4**

# P31259-4 Wet Disc Brake Wheel End (Low Press. Brakes)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31363 | Snap Ring | 1 | 3013–3026, 3038– | |
| 2 | P31358 | Sun Spur Gear | 1 | " – " | |
| 3 | P26807 | Discs and Plates | 4 | " – " | |
| 5 | P26825 | Piston | 1 | " – " | |
| 6 | P26808 | O-Ring Kit | 1 | " – " | |
| 8 | P26821 | Capscrew - 12 Point | 6 | " – " | |
| 9 | P26839 | Retainer Bearing Adjusting | 1 | " – " | |
| 10 | P26816 | Tube - Brake Bleeding | 1 | " – " | |
| 12 | P31516 | Shim - Adj. | A/R | " – " | |
| 14 | P26318 | Planetary Ring Gear | 1 | " – " | |
| 15 | P26179 | Bearing Cone | 1 | " – " | Outer |
| 16 | P26178 | Bearing Cup | 1 | " – " | Outer |
| 17 | P31528 | Planetary Hub | 1 | " – " | Includes Items 19-21 |
| 18 | P13894 | Wheel Mounting Nut | 10 | " – " | 3/4"-16 |
| 19 | P13888 | Wheel Mounting Bolt | 10 | " – " | |
| 20 | P26176 | Bearing Cup | 1 | " – " | Inner |
| 21 | P31359 | Bearing Cone | 1 | " – " | Inner |
| 22 | P31356 | Oil Seal - Hub | 1 | " – " | |
| 23 | P31357 | Deflector - Hub Seal | 1 | " – " | |
| 24 | P31504 | Fitting - Brake Inlet | 1 | " – " | |
| 25 | P31529 | Spindle | 1 | " – " | |
| 26 | P31517 | Guard - Fitting Bleeder | 2 | " – " | |
| 27 | P26826 | Seat - Insert | 2 | " – " | |
| 28 | P31339 | Bleeder Screw | 1 | " – " | |
| 29 | P31364 | Bushing - Outer Shaft | 1 | " – " | |
| 30 | P31345 | Oil Seal - Outer Shaft | 1 | " – " | |

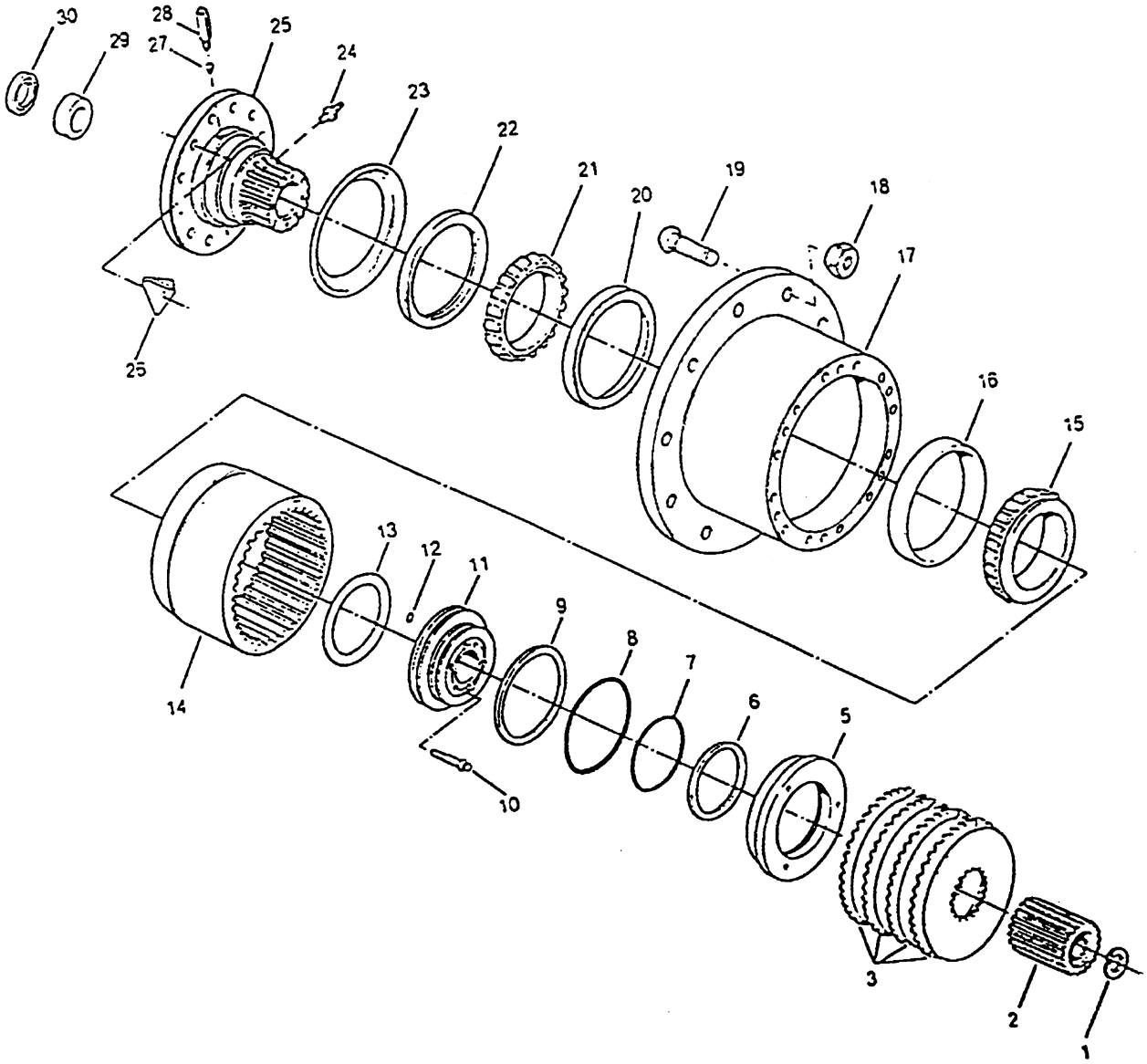



**Figure P31259-5**

# P31259-5 Wet Disc Brake Wheel End (High Press. Brakes)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31363 | Snap Ring | 1 | 2986–3012, 3027–3037 | |
| 2 | P31358 | Sun Spur Gear | 1 | " – " | |
| 3 | P26807 | Discs and Plates | 4 | " – " | |
| 5 | P31354 | Piston | 1 | " – " | |
| 6 | P31353 | Back-Up Ring | 2 | " – " | |
| 7 | P26834 | O-Ring | 1 | " – " | |
| 8 | P31352 | O-Ring | 1 | " – " | |
| 9 | P31351 | Back-Up Ring | 2 | " – " | |
| 10 | P26821 | Capscrew - 12 Point | 6 | " – " | |
| 11 | P31355 | Retainer Bearing Adjusting | 1 | " – " | |
| 12 | P26838 | O-Ring | 2 | " – " | |
| 13 | P31516 | Shim - Adj. | A/R | " – " | |
| 14 | P26318 | Planetary Ring Gear | 1 | " – " | |
| 15 | P26179 | Bearing Cone | 1 | " – " | Outer |
| 16 | P26178 | Bearing Cup | 1 | " – " | Outer |
| 17 | P31528 | Planetary Hub | 1 | " – " | |
| 18 | P13894 | Wheel Mounting Nut | 8 | " – " | 3/4"-16 |
| 19 | P13888 | Wheel Mounting Bolt | 10 | " – " | |
| 20 | P26176 | Bearing Cup | 1 | " – " | Inner |
| 21 | P31359 | Bearing Cone | 1 | " – " | Inner |
| 22 | P31356 | Oil Seal - Hub | 1 | " – " | |
| 23 | P31357 | Deflector - Hub Seal | 1 | " – " | |
| 24 | P31504 | Fitting - Brake Inlet | 1 | " – " | |
| 25 | P31360 | Spindle | 1 | " – " | |
| 26 | P31517 | Guard - Fitting Bleeder | 2 | " – " | |
| 27 | P26826 | Seat - Insert | 2 | " – " | |
| 28 | P31339 | Bleeder Screw | 1 | " – " | |
| 29 | P31364 | Bushing - Outer Shaft | 1 | " – " | |
| 30 | P31345 | Oil Seal - Outer Shaft | 1 | " – " | |

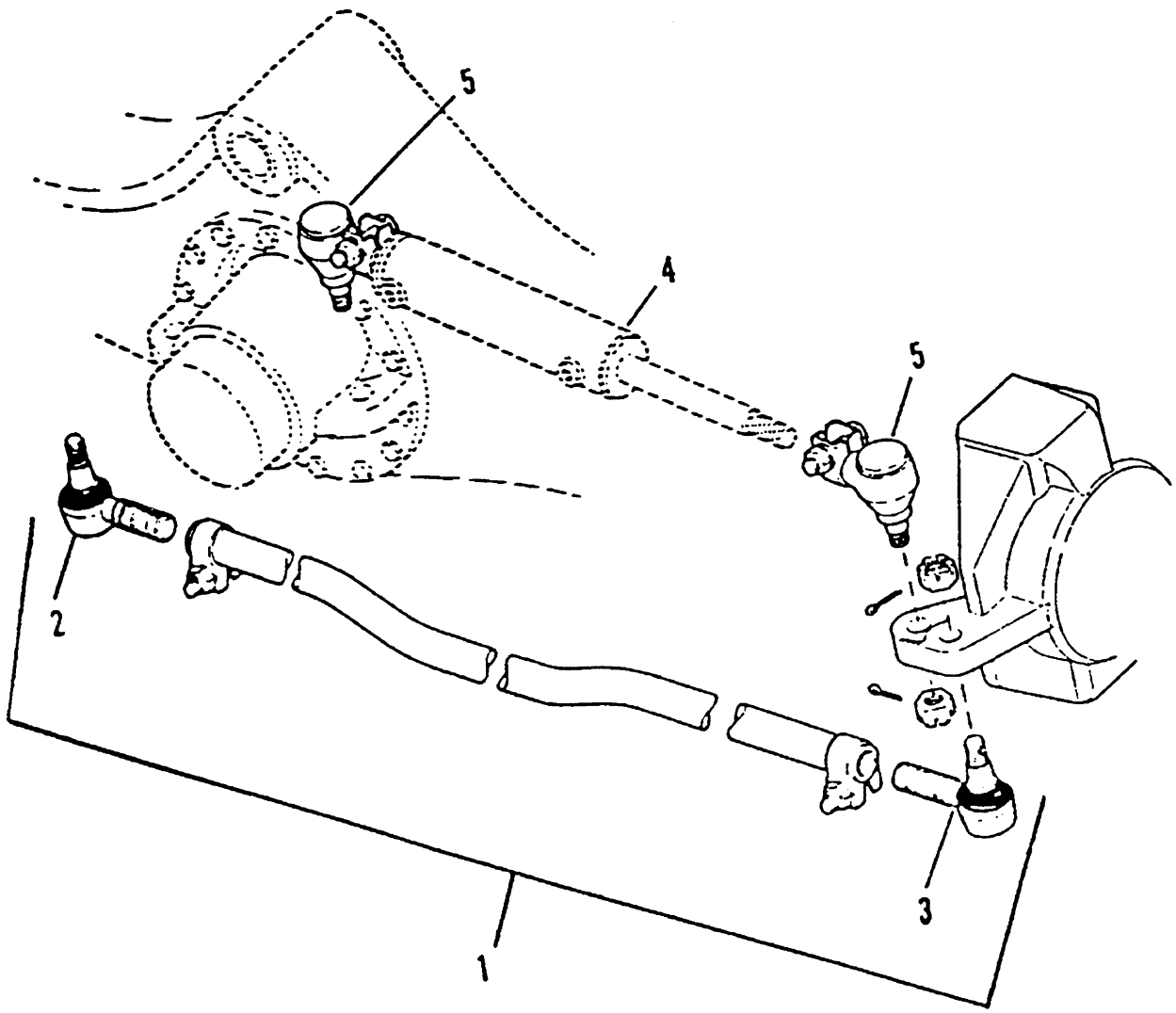



Figure P31259-6

# P31259-6 Tie Rod & Steering Cylinder

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31331 | Tie Rod Assembly | 1 | 2986 – | |
| 2 | P31526 | Vertical Socket | 1 | " – " | Coarse Thread |
| 3 | P31527 | Vertical Socket | 1 | " – " | Fine Thread |
| 4 | P31346 | Steering Cylinder Assembly, Short | 1 | " – " | Front Left, Right Rear, 18.61" Retracted |
| | P31347 | Steering Cylinder Assembly, Long | 1 | " – " | Rear Left, Front Right, 19.61" Retracted |
| 5 | P13915 | Vertical Socket Assembly | 1 | " – " | Two Per Cyl. |

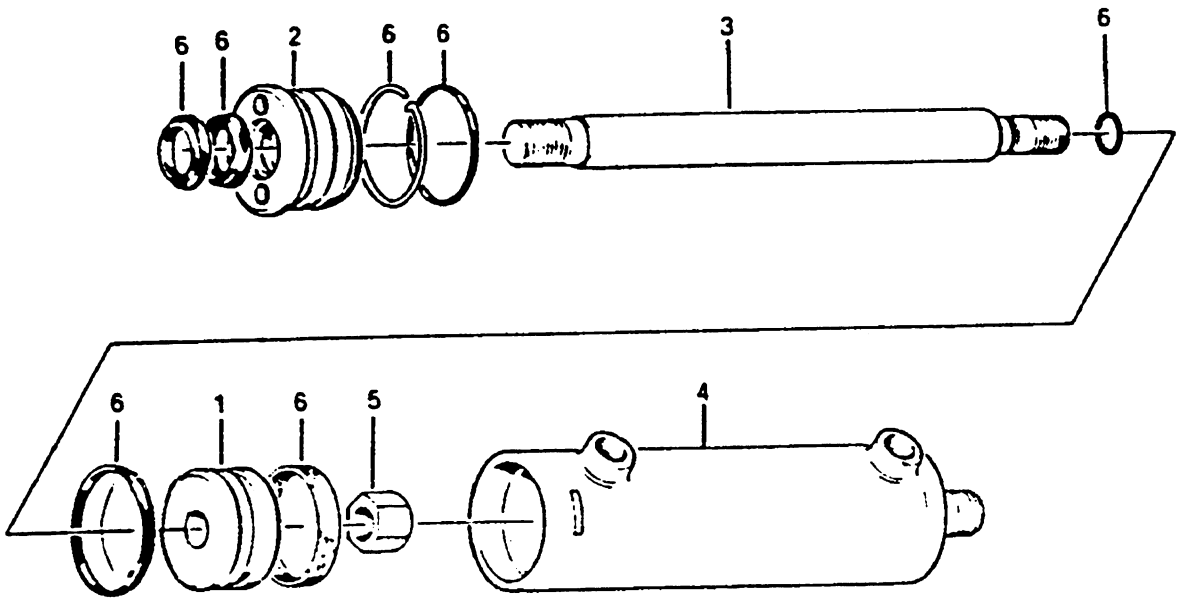



Figure P31259-7

# P31259-7 Steering Cylinder Assembly

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | N/A | Piston | 1 | 2986 – | |
| 2 | N/A | Gland | 1 | " – " | |
| 3 | P31348 | Rod, Short | 1 | " – " | Front Left, Right Rear, 18.61" Retracted |
| | P31349 | Rod, Long | 1 | " – " | Rear Left, Front Right, 19.61" Retracted |
| 4 | N/A | Barrel Assembly | 1 | " – " | |
| 5 | N/A | Locknut | 1 | " – " | |
| 6 | P31334 | Seal Kit | 1 | " – " | |

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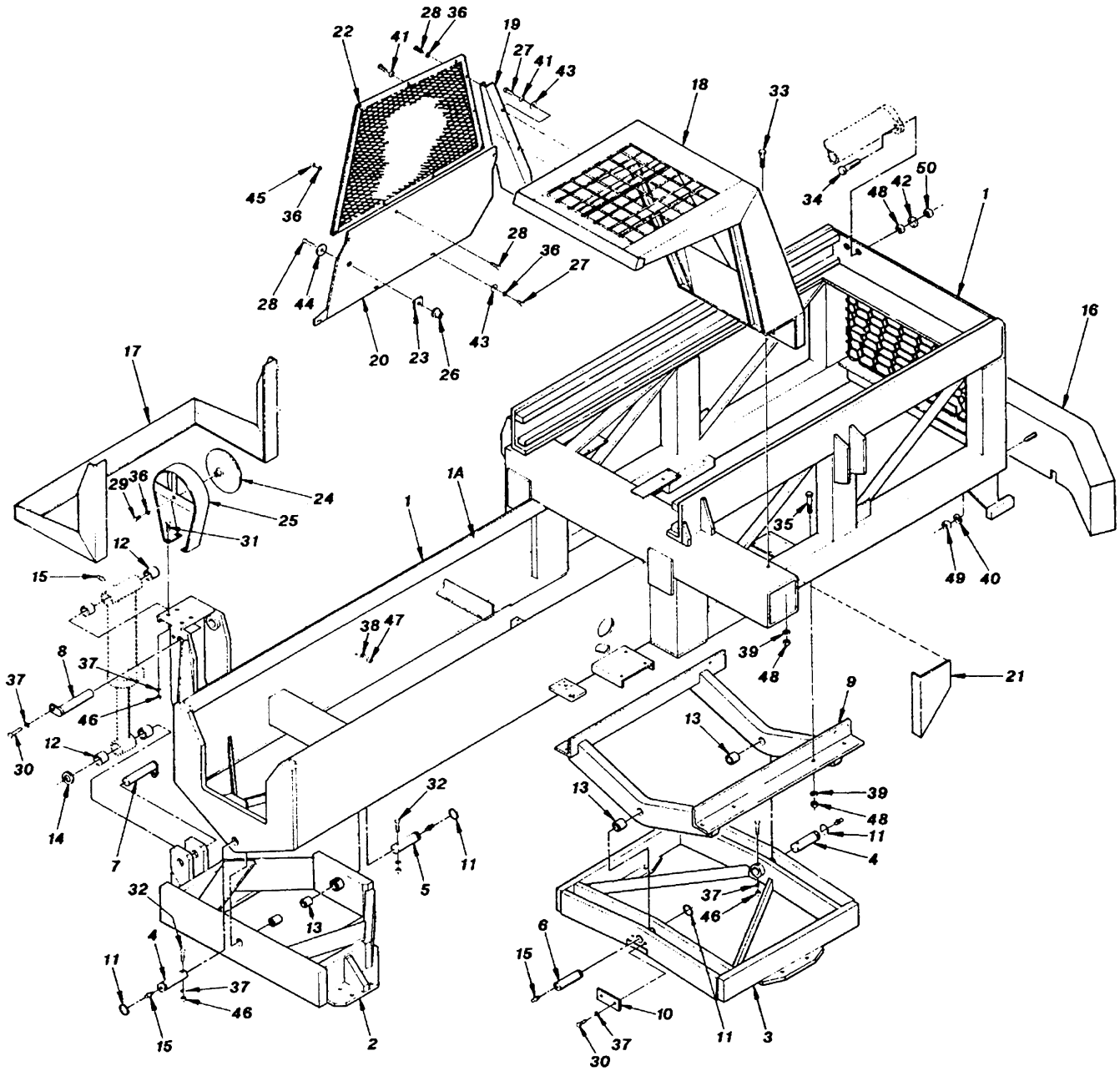



Figure 18354

## 18354 (1of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 21586R | Main Frame | 1 | ..... | |
| | 18010R | Main Frame | 1 | 101 – 924 | |
| 1A | 21844A | Transfer Rail, Front | REF | ..... | |
| 2 | P28683 | Oscillation Frame, Front | 1 | ..... | |
| | 21405D | Oscillation Frame, Front | 1 | 823 – 1694 | |
| | 15502D | Oscillation Frame, Front | 1 | 717 – 822 | |
| | 18050D | Oscillation Frame, Front | 1 | 101 – 716 | |
| 3 | P28684 | Oscillation Frame, Rear | 1 | ..... | |
| 4 | P27924 | Pin, Oscillation Frame | 2 | ..... | |
| | 21406D | Pin, Oscillation Frame | 2 | 823 – 1694 | |
| | 18690D | Pin, Oscillation Frame | 2 | 530, 533, – 822 | |
| | 15503D | Pin, Oscillation Frame | 2 | 208 – 529, 531, 532 | |
| | 18055D | Pin, Oscillation Frame | 2 | 101 – 207 | |
| 5 | P27925 | Pin, Oscillation Frame | 1 | ..... | |
| 6 | P27926 | Pin, Oscillation Frame | 1 | ..... | |
| | 15612A | Pin, Oscillation Frame | 1 | 101 – 207 | |
| 7 | P27927 | Pin, Tilt Cylinder - Lower | 1 | ..... | |
| | 18336A | Pin, Tilt Cylinder - Lower | 1 | 101 – 716 | |
| 8 | P27928 | Pin, Tilt Cylinder - Upper | 1 | ..... | |
| 9 | P28673 | Subframe - Deere | 1 | ..... | |
| | 21585D | Subframe - Deere | 1 | 925 – 995 | |
| | 18675D | Subframe - Deere | 1 | 101 – 773 | |
| | 18513D | Subframe - Deutz | 1 | ..... | |
| | 18562D | Subframe - Perkins | 1 | ..... | |
| | 18219D | Subframe - Perkins | 1 | 101 – 337 | |
| | 18563D | Subframe - Chrysler | 1 | ..... | |
| | 18315D | Subframe - Chrysler | 1 | 101 – 337 | |
| 10 | 15614A | Clip, Pin Holder | 1 | ..... | |
| 11 | P18838 | Retaining Ring | 4 | ..... | |
| 12 | P19106 | Bushing, Tilt Cylinder | 4 | ..... | |
| 13 | P19110 | Bushing, Oscillation Frame | 4 | ..... | |
| 14 | P21586 | Shim, Tilt Cylinder | A/R | ..... | |
| 15 | P16611 | Grease Zerk | 6 | ..... | |
| 16 | P18061 | Counterweight, 1140 LBS | 1 | ..... | |
| | P18062 | Counterweight, 1664 LBS | REF | ..... | |
| 17 | P25510 | Support Mount, Tank | 1 | ..... | |
| 18 | P25520 | Overhead Guard | 1 | ..... | |
| 19 | P28653 | Panel, Rear Shield | 1 | ..... | |
| 20 | P28654 | Panel, Side Shield | 1 | ..... | |
| 21 | P28655 | End Cover (Welded to Frame Tube) | 1 | ..... | |
| 22 | 16276C | Screen Guard | 1 | ..... | |
| 23 | 16333A | Mounting Pad Rubber | 1 | ..... | |
| 24 | P21368 | Mirror, Convex-Round | 1 | ..... | |
| NI | P20439 | Mirror, Square (used Early Production) | 1 | ..... | |
| 25 | P28660 | Guard, Mirror | 1 | ..... | |
| NI | 18639B | Mounting Post, Round Mirror | 1 | ..... | P28660 may be used with additional drilling and hardware |

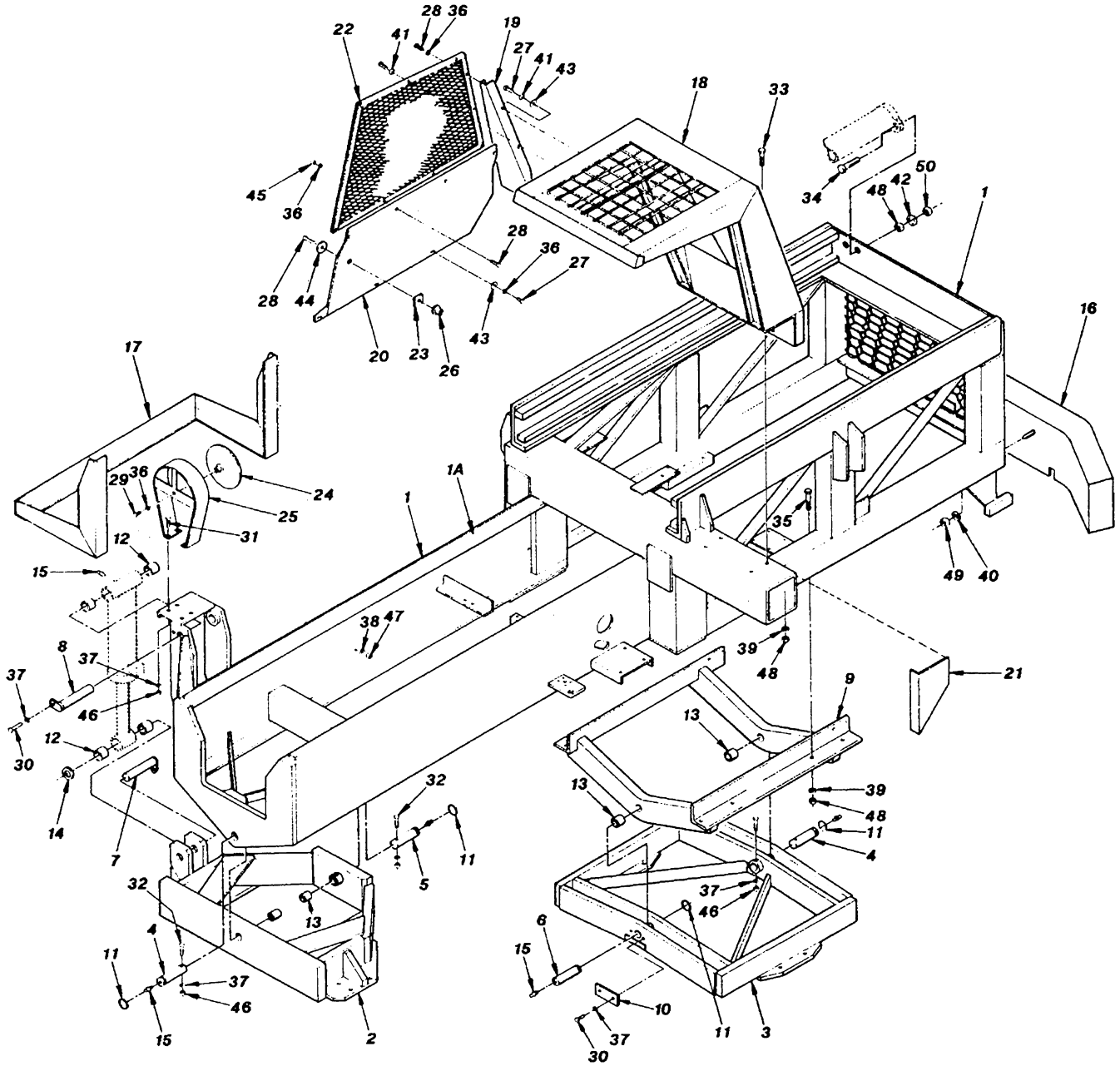



Figure 18354

## 18354 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| NI | 16703B | Mounting Post, Square Mirror | 1 | ..... | |
| 26 | P19077 | Weld Nut, 1/4"-20 | 1 | ..... | |
| 27 | P03651 | Screw, Self-Tap. Hx. Hd. | 8 | ..... | 1/4"-20 x 1/2" |
| 28 | P00003 | Bolt, Hx. | 6 | ..... | 1/4"-20 x 3/4" |
| 29 | P00006 | Bolt, Hx. | 1 | ..... | 1/4"-20 x 1 1/4" |
| 30 | P00202 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 3/4" |
| 31 | P00205 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1 1/4" |
| 32 | P00211 | Bolt, Hx. | 3 | ..... | 3/8"-16 x 2 3/4" |
| 33 | P00775 | Bolt, Hx. | 6 | ..... | 3/4"-16 x 1 1/2" GR 8 |
| 34 | P00753 | Bolt, Hx. | 2 | ..... | 3/4"-16 x 2 1/4" |
| 35 | P00778 | Bolt, Hx. | 4 | ..... | 3/4"-16 x 2 1/4" GR 8 |
| 36 | P01308 | Lockwasher | 7 | ..... | 1/4" |
| 37 | P01310 | Lockwasher | 11 | ..... | 3/8" |
| 38 | P01312 | Lockwasher | 4 | ..... | 1/2" |
| 39 | P01315 | Lockwasher | 10 | ..... | 3/4" |
| 40 | P01317 | Lockwasher | 2 | ..... | 1", Early Prod. Counterweights used 1-1/8"x8 studs |
| 41 | P01357 | Starwasher | 8 | ..... | 1/4" - External |
| 42 | P01364 | Starwasher | 2 | ..... | 3/4" - External |
| 43 | P01402 | Flatwasher | 8 | ..... | 1/4" |
| 44 | P01452 | Flatwasher | 1 | ..... | 1/4" - Fender |
| 45 | P01506 | Nut, Hx. | 6 | ..... | 1/4"-20 |
| 46 | P01508 | Nut, Hx. | 7 | ..... | 3/8"-16 |
| 47 | P01510 | Nut, Hx. | 4 | ..... | 1/2"-13 |
| 48 | P01536 | Nut, Hx. | 14 | ..... | 3/4"-16 |
| 49 | P01515 | Nut, Hx. | 2 | ..... | 1"-8, Early Prod. Counterweights used 1-1/8"x8 studs |
| 50 | P01586 | Jam Nut, Hx. | 4 | ..... | 3/4"-16 |

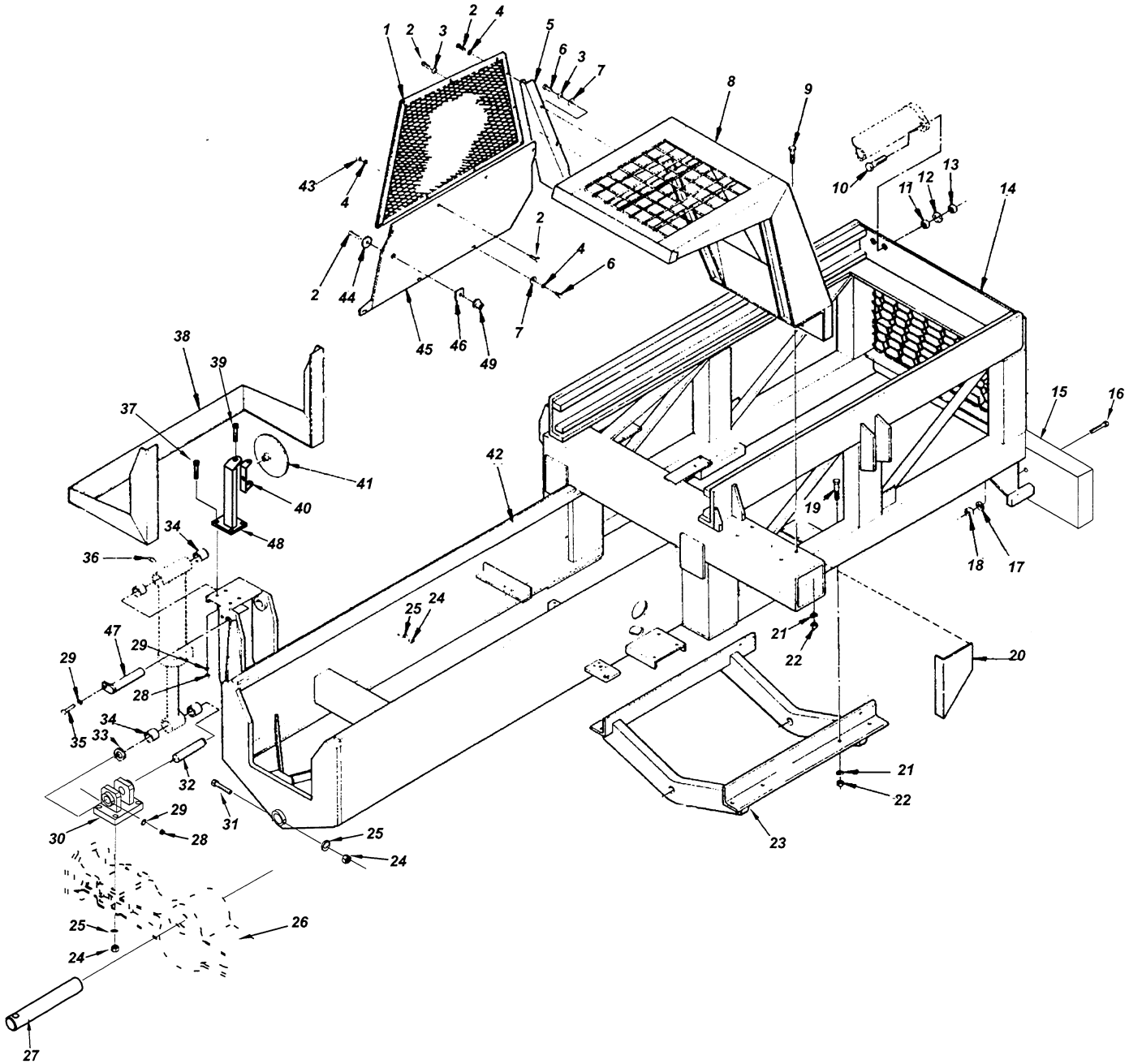



Figure 18354-1

## 18354-1 (1of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 16276C | Screen Guard | 1 | ..... | |
| 2 | P00003 | Bolt, Hx. | 6 | ..... | 1/4"-20 x 3/4" |
| 3 | P01357 | Starwasher | 8 | ..... | 1/4" - External |
| 4 | P01308 | Lockwasher | 7 | ..... | 1/4" |
| 5 | P28653 | Panel, Rear Shield | 1 | ..... | |
| 6 | P03651 | Screw, Self-Tap. Hx. Hd. | 8 | ..... | 1/4"-20 x 1/2" |
| 7 | P01402 | Flatwasher | 8 | ..... | 1/4" |
| 8 | P25520 | Overhead Guard | 1 | ..... | |
| 9 | P00775 | Bolt, Hx. | 6 | ..... | 3/4"-16 x 1 1/2" GR 8 |
| 10 | P00753 | Bolt, Hx. | 2 | ..... | 3/4"-16 x 2 1/4" |
| 11 | P01536 | Nut, Hx. | 2 | ..... | 3/4"-16 |
| 12 | P01364 | Starwasher | 2 | ..... | 3/4" - External |
| 13 | P01586 | Jam Nut, Hx. | 2 | ..... | 3/4"-16 |
| 14 | 35045R | Main Frame, John Deere | 1 | ..... | |
| | 35125R | Main Frame, Cummins | 1 | ..... | |
| 15 | P30989 | Counterweight, 950 LBS | 1 | ..... | |
| 16 | P00939 | Bolt, Hx. | 2 | ..... | 1"-8 x 6" GR 8 |
| 17 | P01317 | Lockwasher | 2 | ..... | 1" |
| 18 | P01515 | Nut, Hx. | 2 | ..... | 1"-8 |
| 19 | P00778 | Bolt, Hx. | 10 | ..... | 3/4"-16 x 2 1/4" GR 8 |
| 20 | P28655 | End Cover (Welded to Frame Tube) | 1 | ..... | |
| 21 | P01315 | Lockwasher | 20 | ..... | 3/4" |
| 22 | P01536 | Nut, Hx. | 20 | ..... | 3/4"-16 |
| 23 | 35023D | Subframe - Deere | 1 | ..... | |
| NI | P00779 | Bolt, Hx. | 4 | ..... | 3/4"-16 GR 8 |
| 24 | P01510 | Nut, Hx. | 6 | ..... | 1/2"-13 |
| 25 | P01312 | Lockwasher | 6 | ..... | 1/2" |
| 26 | — | Axle, Front | 1 | ..... | See Section 1 |
| 27 | 33931B | Shaft, Frame Oscillation | 1 | ..... | |
| NI | P00214 | Bolt, Hx. | 1 | ..... | 3/8"-16 x 3-1/2" |
| 28 | P01508 | Nut, Hx. | 7 | ..... | 3/8"-16 |
| 29 | P01310 | Lockwasher | 8 | ..... | 3/8" |
| 30 | 34333C | Frame, Tilt Cylinder Mount | 1 | ..... | |
| 31 | P00416 | Bolt, Hx. | 2 | ..... | 1/2"-13 x 5" |
| 32 | 32810C | Pin, Tilt Cylinder - Lower | 1 | ..... | |
| 33 | P21586 | Shim, Tilt Cylinder | A/R | ..... | |
| 34 | P19106 | Bushing, Tilt Cylinder | 4 | ..... | |
| 35 | P00202 | Bolt, Hx. | 1 | ..... | 3/8"-16 x 3/4" |
| 36 | P16611 | Grease Zerk | 6 | ..... | |
| 37 | P00205 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1-1/4" |

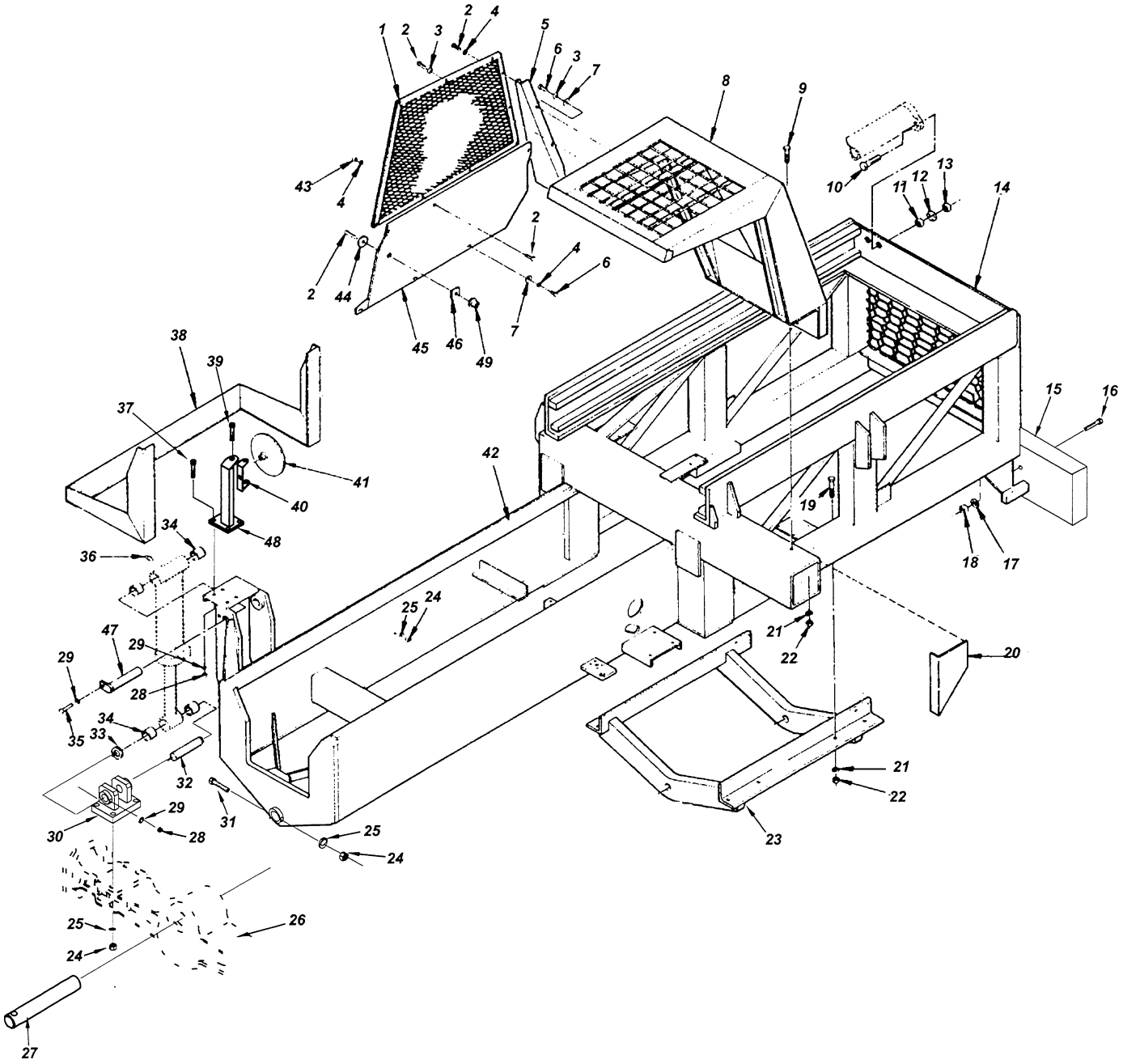



Figure 18354-1

## 18354-1 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 38 | P25510 | Support Mount, Tank | 1 | ..... | |
| 39 | P00204 | Bolt, Hx. | 2 | ..... | 3/8"-16 x 1" |
| 40 | 35200A | Adapter Bracket, Mirror | 4 | ..... | |
| 41 | P23579 | Mirror, Convex-Round | 1 | ..... | |
| 42 | 21844B | Transfer Rail, Front | REF | ..... | |
| 43 | P01506 | Nut, Hx. | 6 | ..... | 1/4"-20 |
| 44 | P01452 | Flatwasher | 1 | ..... | 1/4" - Fender |
| 45 | P28654 | Panel, Side Shield | 1 | ..... | |
| 46 | 16333A | Mounting Pad Rubber | 1 | ..... | |
| 47 | P27928 | Pin, Tilt Cylinder - Upper | 1 | ..... | |
| 48 | 35015B | Mirror Bracket Weldment | 1 | ..... | |
| 49 | P19077 | Weld Nut | 1 | ..... | 1/4"-20 |

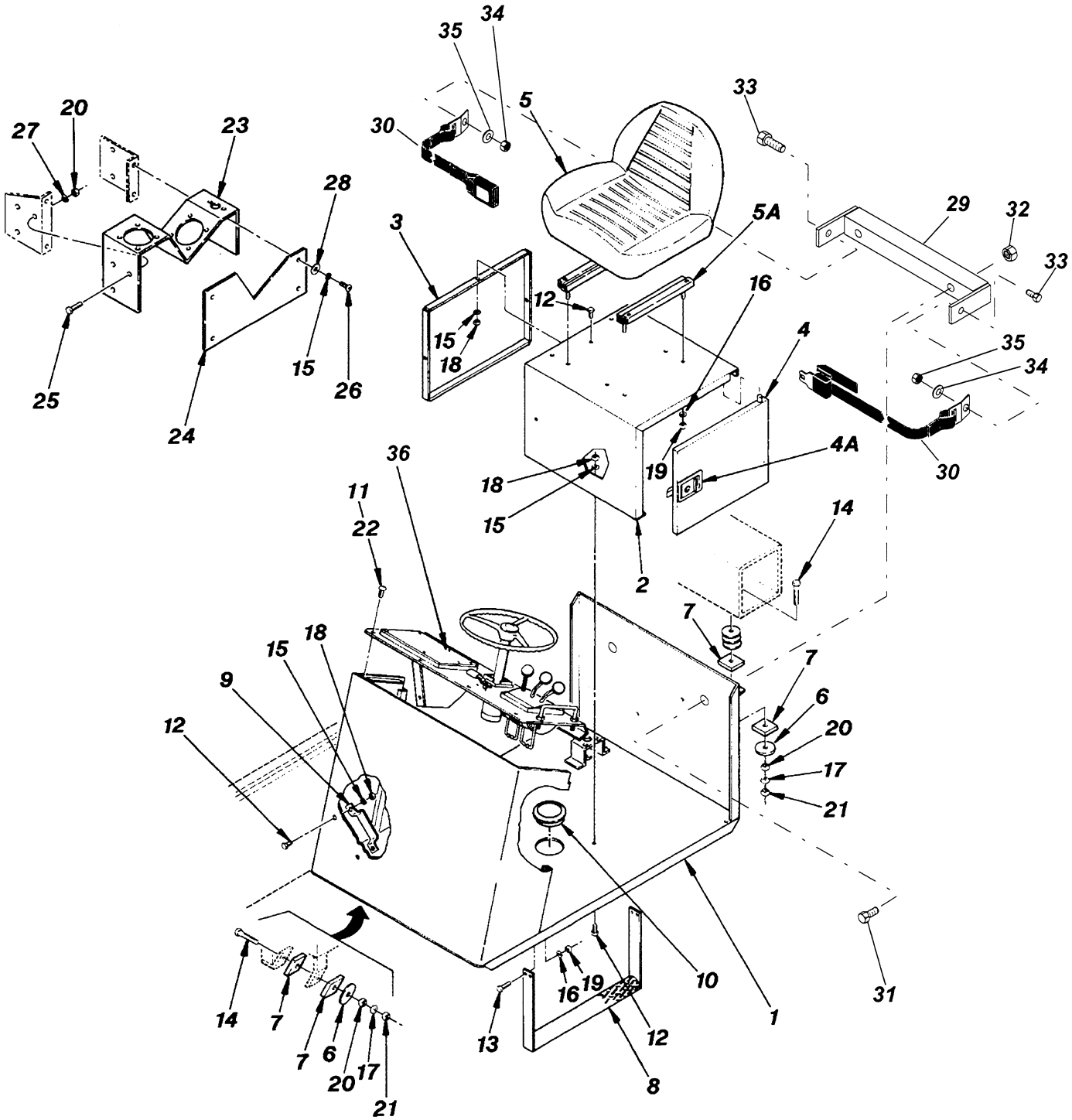



Figure 18379

## 18379

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 31852D | Operators Platform | 1 | 2784–3012, 3027–3037, 4005– | |
| | 35115D | Operators Platform | 1 | 3013–3026, 3038–4004 | |
| | 15575D | Operators Platform | 1 | 1695 – 2783 | |
| | 18233D | Operators Platform | 1 | 101 – 1694 | |
| 2 | 15738D | Seat Stand | 1 | ..... | |
| 3 | 16282B | Panel, Side | 1 | ..... | |
| 4 | 16378B | Door, Seat Box | 1 | ..... | |
| 4A | P19085 | Door Latch W/Key | REF | ..... | |
| 5 | P17742 | Seat, Operators | 1 | ..... | |
| 5A | P24773 | Rails, Set | REF | ..... | |
| 6 | P20398 | Snubbing Washer | A/R | ..... | |
| 7 | P21746 | Pad Mount, Rubber | 6 | ..... | |
| | 15584A | Pad Mount, Steel | - | ..... | Used on Early Production |
| 8 | 15597A | Step, Platform | 1 | ..... | |
| 9 | 18232A | Strap, Hose Retainer | 1 | ..... | Used on Early Production |
| 10 | P16186 | Access Cover | 1 | ..... | Used on Early Production |
| 11 | P27829 | Screw, Phillips Hd. | 5 | ..... | 5/16"-18 x 3/4" |
| 12 | P00003 | Bolt, Hx. | 8 | ..... | 1/4"-20 x 3/4" |
| 13 | P00104 | Bolt, Hx. | 4 | ..... | 5/16"-18 x 1" |
| 14 | P00211 | Bolt, Hx. | 3 | ..... | 3/8"-16 x 2 3/4" |
| 15 | P01308 | Lockwasher | 12 | ..... | 1/4" |
| 16 | P01309 | Lockwasher | 8 | ..... | 5/16" |
| 17 | P01359 | Starwasher | 3 | ..... | 3/8" |
| 18 | P01506 | Nut, Hx. | 8 | ..... | 1/4"-20 |
| 19 | P01507 | Nut, Hx. | 8 | ..... | 5/16"-18 |
| 20 | P01508 | Nut, Hx. | 9 | ..... | 3/8"-16 |
| 21 | P01558 | Jam Nut, Hx. | 3 | ..... | 3/8"-16 |
| NI | P20459 | Speed Nut | 5 | ..... | 5/16"-18 |
| 23 | 35103D | Control Panel, Joystick | 1 | | |
| | 31790D | Control Panel, Joystick | 1 | 2784 – | |
| 24 | 31793B | Cover, Control Panel | 1 | ..... | |
| 25 | P00204 | Bolt, Hx. | 6 | ..... | 3/8"-16 x 1" |
| 26 | P03196 | Screw, Button Hd. Socket | 4 | ..... | 1/4"-20 x 3/4" |
| 27 | P01310 | Lockwasher | 6 | ..... | 3/8" |
| 28 | P01402 | Flatwasher | 6 | ..... | 1/4" |
| 29 | 34502B | Mount, Seat Belt | 1 | 3018 – | |
| 30 | P40132 | Seat Belt Assembly | 1 | "–" | |
| 31 | P00211 | Bolt, Hx. | 2 | "–" | 3/8"-16 x 2 3/4" |
| NI | P01310 | Lockwasher | 2 | "–" | 3/8" |
| 32 | P01508 | Nut, Hx. | 2 | "–" | 3/8"-16 |
| 33 | P00304 | Bolt, Hx. | 2 | "–" | 7/16"-14 x 1 1/4" |
| 34 | P01311 | Lockwasher | 2 | "–" | 7/16" |
| 35 | P01509 | Nut, Hx. | 2 | "–" | 7/16"-14 |
| 36 | See Page 2-12 | Instrument Panel Assembly | – | ..... | |

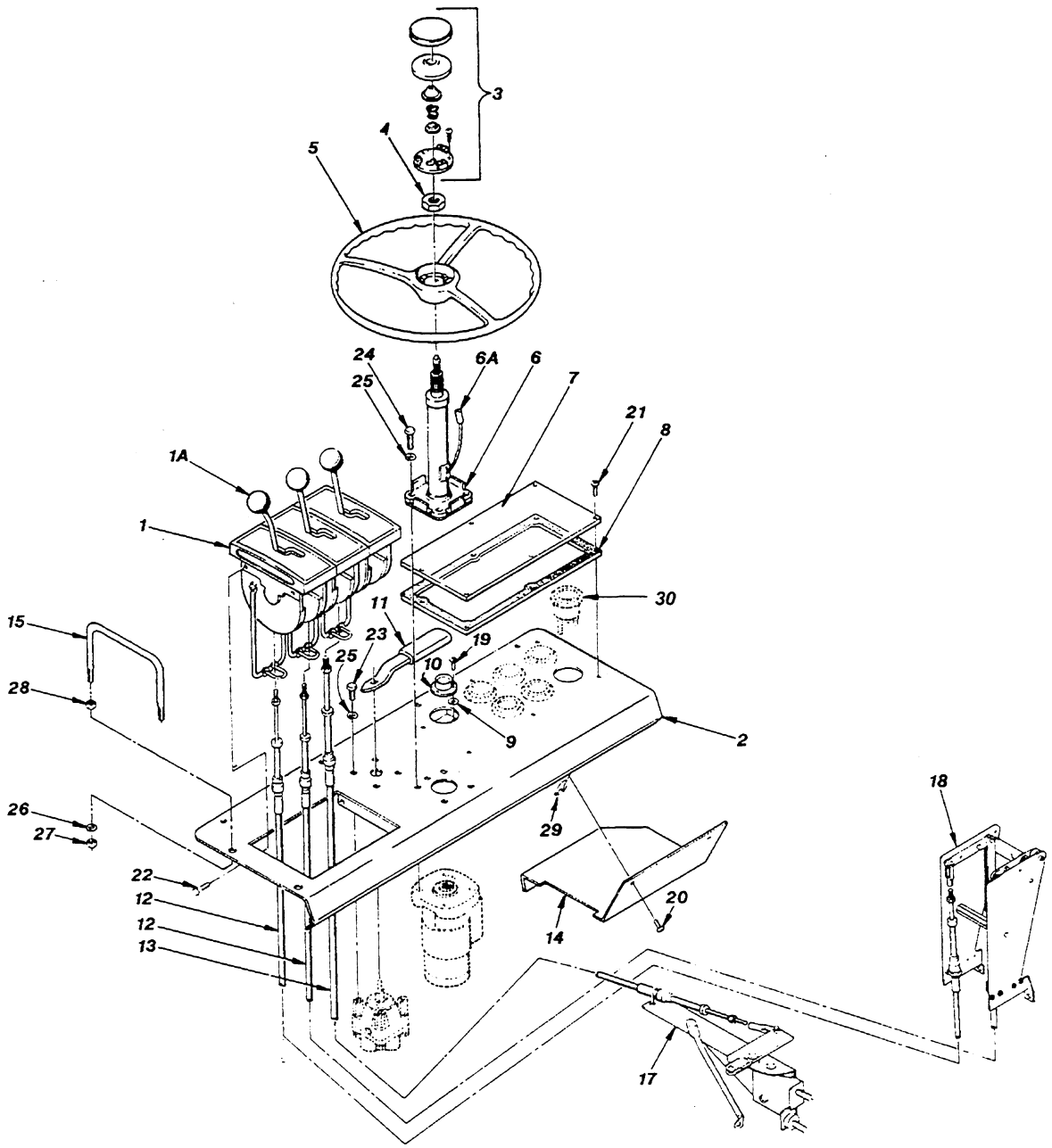



**Figure 18380**

# 18380

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | 18380 | Instrument Panel Assembly | — | 101 – 144 | Includes Items 1 – 29 |
| 1 | P19922 | Shift Control | 1 | " – " | |
| 1A | P21378 | Knob, Shifter | REF | " – " | |
| 2 | 17556D | Instrument Panel | 1 | " – " | |
| 3 | P18141 | Horn Button Kit | 1 | " – " | |
| 4 | P13009 | Nut, Steering Wheel | 1 | " – " | |
| 5 | P13006 | Steering Wheel | 1 | " – " | |
| 6 | P18726 | Steering Column | 1 | " – " | |
| 6A | P18737 | Brush, Horn | REF | " – " | |
| 7 | 16538B | Vandal Cover, Gauges | 1 | " – " | |
| 8 | P19536 | Gasket, Vandal Cover | 1 | " – " | |
| 9 | P18844 | Washer, Conical | 6 | " – " | |
| 10 | 23299B | Level Indicator Replacement Kit | 1 | " – " | |
| 11 | P18085 | Handle, Selector Valve | REF | " – " | |
| 12 | P17591 | Cable, Shift Control | 2 | " – " | |
| 13 | P19917 | Cable, Hi - Low Range | 1 | " – " | |
| 14 | P28659 | Vandal Cover, Lower | 1 | " – " | |
| 15 | 15573A | Hand Hold | 1 | " – " | |
| 17 | P19920 | Bracket, Hi - Low Range | 1 | " – " | |
| 18 | P19918 | Bracket, Shift Control | 1 | " – " | |
| 19 | P02018 | Screw, Rd. Hd. | 3 | " – " | #6-32 x 5/8" |
| 20 | P02057 | Screw, Rd. Hd. | 4 | " – " | #10-24 x 3/4" |
| 21 | P19424 | Bolt, Button Hd. Socket | 6 | " – " | 1/4"-20 x 1" |
| 22 | P00003 | Bolt, Hx. | 4 | " – " | 1/4"-20 x 3/4" |
| 23 | P00202 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 3/4" |
| 24 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 25 | P01310 | Lockwasher | 8 | " – " | 3/8" |
| 26 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 27 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 28 | P01560 | Jam Nut, Hx. | 2 | " – " | 1/2"-13 |
| 29 | P19254 | Speed Nut | 4 | " – " | #10-24 |
| 30 | See Page 7-2 | Gauges | – | | |

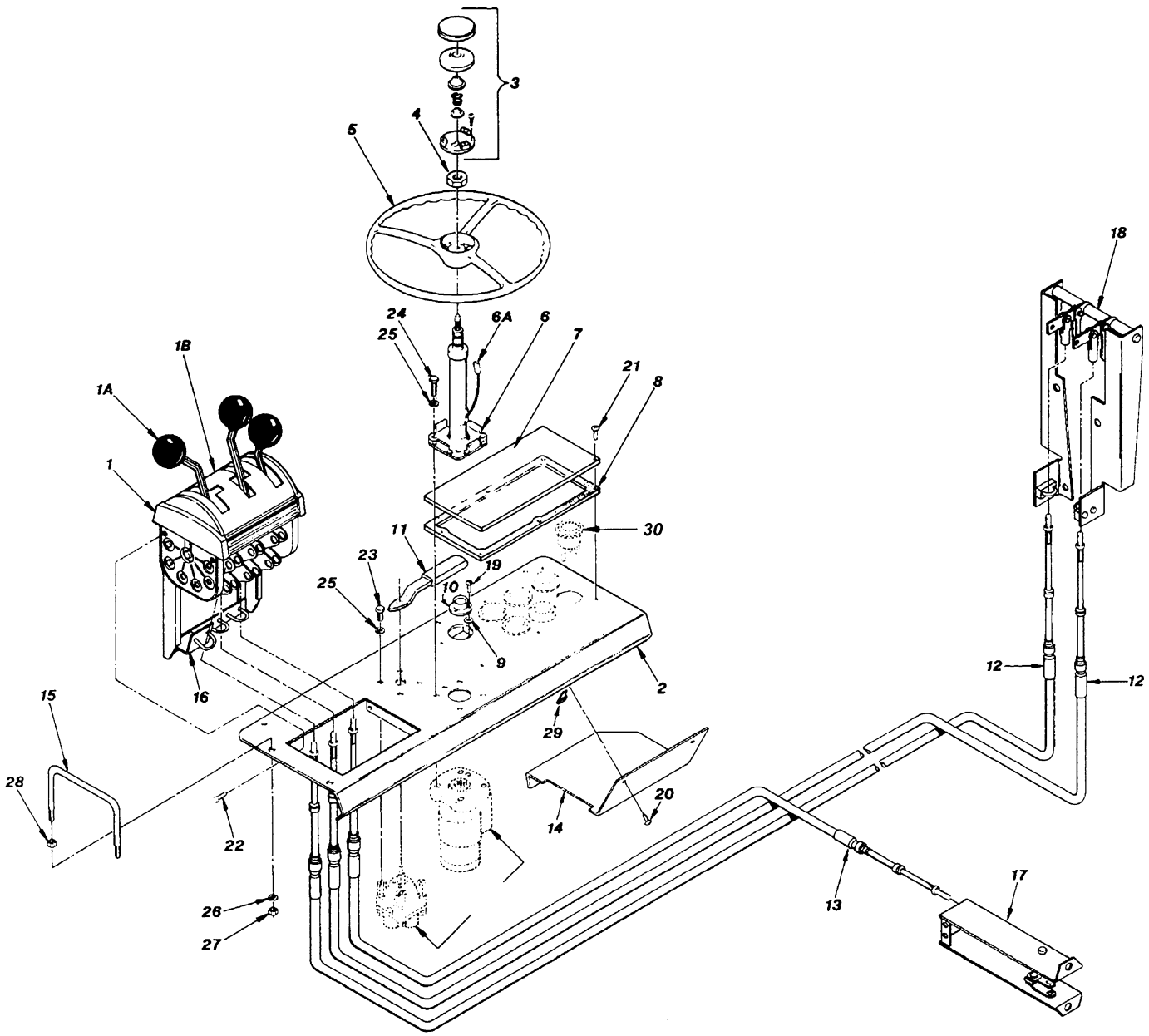
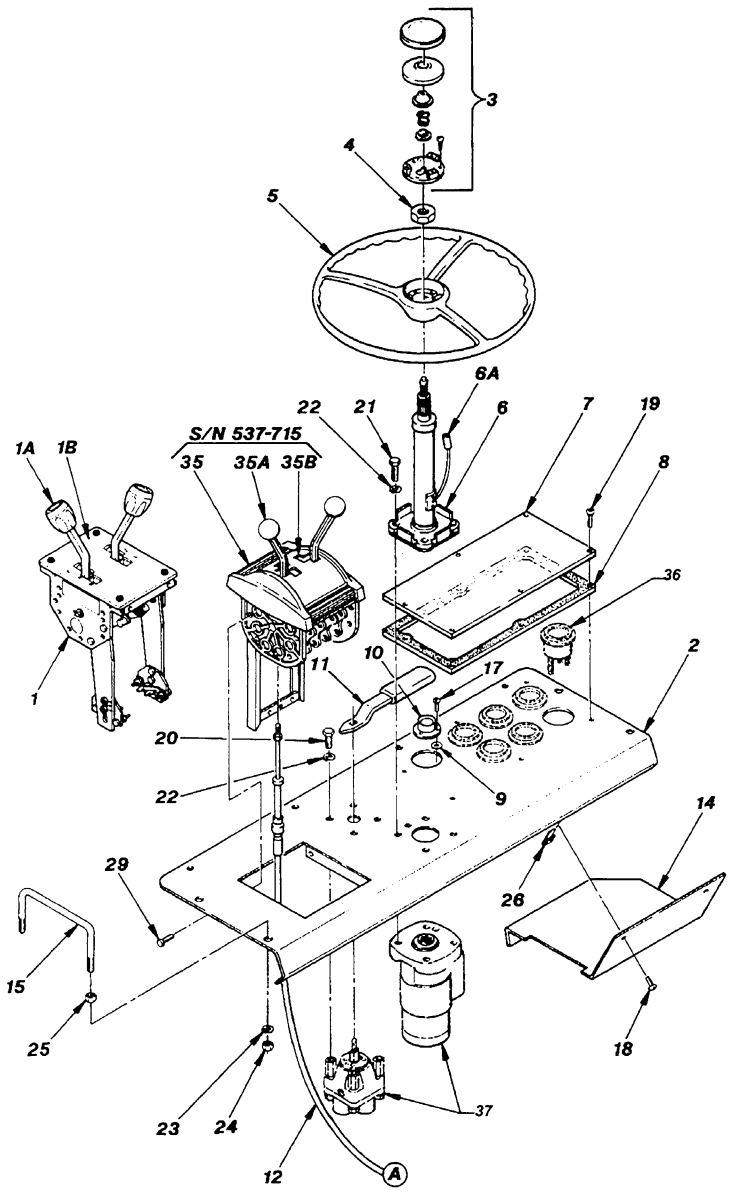
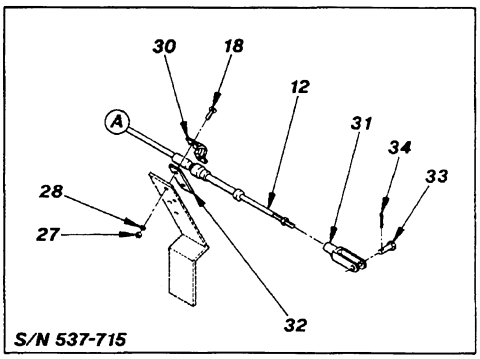



**Figure 18380-1**

# 18380-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | 18380-1 | Instrument Panel Assembly | — | 145 – 715 | For Clark Transmission, Includes Items 1 – 29 |
| 1 | P21337 | Shift Control | 1 | " – " | |
| 1A | P24985 | Knob, Shifter | REF | " – " | |
| 1B | P21008 | Gate Plate | REF | " – " | |
| 2 | 17840D | Instrument Panel | 1 | " – " | |
| 3 | P18141 | Horn Button Kit | 1 | " – " | |
| 4 | P13009 | Nut, Steering Wheel | 1 | " – " | |
| 5 | P13006 | Steering Wheel | 1 | " – " | |
| 6 | P18726 | Steering Column | 1 | " – " | |
| 6A | P18737 | Brush, Horn | REF | " – " | |
| 7 | 16538B | Vandal Cover, Gauges | 1 | " – " | |
| 8 | P19536 | Gasket, Vandal Cover | 1 | " – " | |
| 9 | P18844 | Washer, Conical | 6 | " – " | |
| 10 | 23299B | Level Indicator Replacement Kit | 1 | " – " | |
| 11 | P18085 | Handle, Selector Valve | REF | " – " | |
| 12 | P21340 | Cable, Shift Control | 2 | " – " | |
| 13 | P21314 | Cable, Hi - Low Range | 1 | " – " | 72" Long |
| | P21388 | Cable, Hi - Low Range | - | " – " | 96" Long |
| 14 | P28659 | Vandal Cover, Lower | 1 | " – " | |
| 15 | 15573A | Hand Hold | 1 | " – " | |
| 16 | 18542A | Bracket, Cable | 1 | " – " | |
| 17 | P21338 | Bracket, Hi - Low Range | 1 | " – " | |
| 18 | P21339 | Bracket, Shift Control | 1 | " – " | |
| 19 | P02018 | Screw, Rd. Hd. | 3 | " – " | #6-32 x 5/8" |
| 20 | P02057 | Screw, Rd. Hd. | 4 | " – " | #10-24 x 3/4" |
| 21 | P19424 | Bolt, Button Hd. Socket | 6 | " – " | 1/4"-20 x 1" |
| 22 | P00003 | Bolt, Hx. | 4 | " – " | 1/4"-20 x 3/4" |
| 23 | P00202 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 3/4" |
| 24 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 25 | P01310 | Lockwasher | 8 | " – " | 3/8" |
| 26 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 27 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 28 | P01560 | Jam Nut, Hx. | 2 | " – " | 1/2"-13 |
| 29 | P19254 | Speed Nut | 4 | " – " | #10-24 |
| 30 | See Page 7-6 | Gauges | – | | |



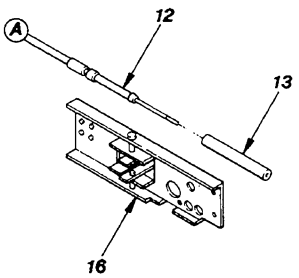




**Figure 18380-2**

## 18380-2

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P24335 | Shift Control | 1 | 716 – 1535 | |
| 1A | P24985 | Knob, Shifter | REF | " – " | |
| 1B | P27824 | Gate Plate w/Screws | REF | " – " | |
| 2 | 23335A | Instrument Panel | 1 | " – " | Includes Item 10 |
| 3 | P18141 | Horn Button Kit | 1 | " – " | |
| 4 | P13009 | Nut, Steering Wheel | 1 | " – " | |
| 5 | P13006 | Steering Wheel | 1 | " – " | |
| 6 | P18726 | Steering Column | 1 | " – " | |
| 6A | P18737 | Brush, Horn | REF | " – " | |
| 7 | 16538B | Vandal Cover, Gauges | 1 | " – " | |
| 8 | P19536 | Gasket, Vandal Cover | 1 | " – " | |
| 9 | P18844 | Washer, Conical | 6 | " – " | |
| 10 | 23299B | Level Indicator Replacement Kit | 1 | " – " | |
| | — | Level Indicator Replacement Kit | 1 | 537 – 715 | Consult Factory |
| 11 | P18085 | Handle, Selector Valve | REF | 716 – 1535 | |
| 12 | P17591 | Cable, Shift Control | 2 | " – " | |
| 13 | P26232 | Umbrella Seal, Cable | REF | " – " | |
| 14 | P28659 | Vandal Cover, Lower | 1 | " – " | |
| 15 | 15573A | Hand Hold | 1 | " – " | |
| 16 | P24336 | Mounting Bracket, Shift Cables | 1 | " – " | |
| NI | 21353A | Connecting Link | 1 | 716 – 793, & 796 | |
| 17 | P02018 | Screw, Rd. Hd. | 3 | 716 – 1535 | #6-32 x 5/8" |
| 18 | P02057 | Screw, Rd. Hd. | 4 | " – " | #10-24 x 3/4" |
| 19 | P19424 | Bolt, Button Hd. Socket | 6 | " – " | 1/4"-20 x 1" |
| 20 | P00202 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 3/4" |
| 21 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 22 | P01310 | Lockwasher | 8 | " – " | 3/8" |
| 23 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 24 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 25 | P01560 | Jam Nut, Hx. | 2 | " – " | 1/2"-13 |
| 26 | P19254 | Speed Nut | 4 | " – " | #10-24 |
| 27 | P01504 | Nut, Hx. | 4 | 537 – 715 | #10-24 |
| 28 | P01306 | Lockwasher | 4 | 537 – 715 | #10 |
| 29 | P00003 | Bolt, Hx. | 4 | 537 – 715 | 1/4"-20 x 3/4" |
| 30 | P17678 | Clamp, Cable | 2 | 537 – 715 | |
| 31 | P17679 | Clevis | 2 | 537 – 715 | |
| 32 | P19128 | Shim, Clamp | 2 | 537 – 715 | |
| 33 | P20833 | Clevis Pin | 2 | 537 – 715 | |
| 34 | P03838 | Cotter Pin | 2 | 537 – 715 | 1/8" x 1" |
| 35 | P21506 | Shift Control | 1 | 537 – 715 | |
| 35A | P21026 | Knob, Shifter | REF | 537 – 715 | |
| 35B | P21507 | Gate Plate | REF | 537 – 715 | |
| 36 | See Page 7-18 | Gauges | – | | |
| 37 | See Page 5-70 | Steering Hydraulics | – | | |

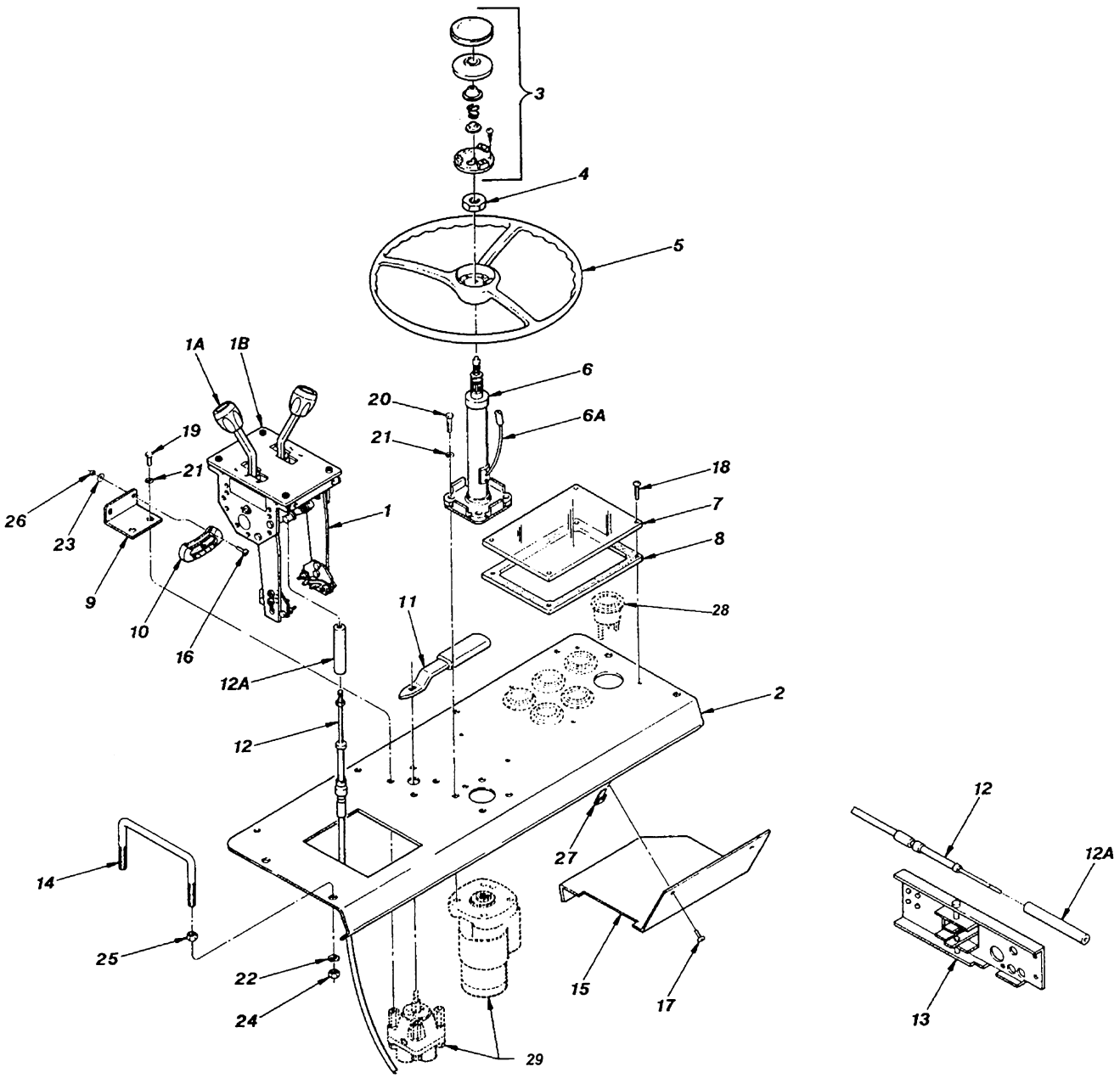



**Figure 18380-3**

## 18380-3

| ITEM | PART NO. | DESCRIPTION | QTY | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P24335 | Shift Control | 1 | 1536 – 3111 | |
| 1A | P24985 | Knob, Shifter | REF | " – " | |
| 1B | P27824 | Gate Plate w/Screws | REF | " – " | |
| 2 | P28650 | Instrument Panel | 1 | " – " | |
| 3 | P18141 | Horn Button Kit | 1 | " – " | |
| 4 | P13009 | Nut, Steering Wheel | 1 | " – " | |
| 5 | P28704 | Steering Wheel | 1 | " – " | |
| 6 | P18726 | Steering Column | 1 | " – " | |
| 6A | P18737 | Brush, Horn | REF | " – " | |
| 7 | 24343B | Vandal Cover, Gauges | 1 | " – " | |
| | 16538B | Vandal Cover, Gauges | 1 | " – " | |
| 8 | P26755 | Gasket, Vandal Cover | 1 | " – " | |
| | P19563 | Gasket, Vandal Cover | 1 | " – " | |
| 9 | P28794 | Bracket, Level Indicator | 1 | 2449 – 3111 | |
| | 23298A | Bracket, Level Indicator | 1 | 1536 – 2448 | |
| 10 | P28470 | Level Indicator | 1 | 2449 – 3111 | |
| | 23299A | Level Indicator Replacement Kit | 1 | 1536 – 2448 | |
| 11 | P18085 | Handle, Selector Valve | REF | 1536 – 3111 | |
| 12 | P17591 | Cable, Shift Control | 2 | 1536 – 3111 | |
| 12A | P26232 | Umbrella Seal, Cable | REF | 1574 – 3111 | |
| 13 | P24336 | Mounting Bracket, Shift Cables | 1 | 1536 – 3111 | |
| 14 | 15573A | Hand Hold | 1 | 1536 – 3111 | |
| 15 | P28659 | Vandal Cover, Lower | 1 | 1536 – 3111 | |
| 16 | P02034 | Screw, Rd. Hd. | 2 | 2449 – 3111 | #8-32 x 1/2" |
| | P02005 | Screw, Rd. Hd. | 2 | 1536 – 2448 | #5-40 x 3/4" |
| 17 | P02057 | Screw, Rd. Hd. | 4 | 1536 – 3111 | #10-24 x 3/4" |
| 18 | P19424 | Bolt, Button Hd. Socket | 4 | " – " | 1/4"-20 x 1" |
| 19 | P00202 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 3/4" |
| 20 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 21 | P01310 | Lockwasher | 8 | " – " | 3/8" |
| 22 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 23 | P01427 | Flatwasher | 2 | " – " | #8 |
| 24 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 25 | P01560 | Jam Nut, Hx. | 2 | " – " | 1/2"-13 |
| 26 | P01653 | Locknut, Hx. | 2 | " – " | #8-32 |
| 27 | P19254 | Speed Nut | 4 | " – " | #10-24 |
| NI | P19429 | Plug | A/R | " – " | 7/16" Hole |
| NI | P19430 | Plug | A/R | " – " | 5/8" Hole |
| NI | P27328 | Plug | A/R | " – " | 3/4" Hole |
| NI | P19431 | Plug | A/R | " – " | 7/8" Hole |
| 28 | See Page 7-22 | Gauges | – | | |
| 29 | See Page 5-70 | Steering Hydraulics | – | | |

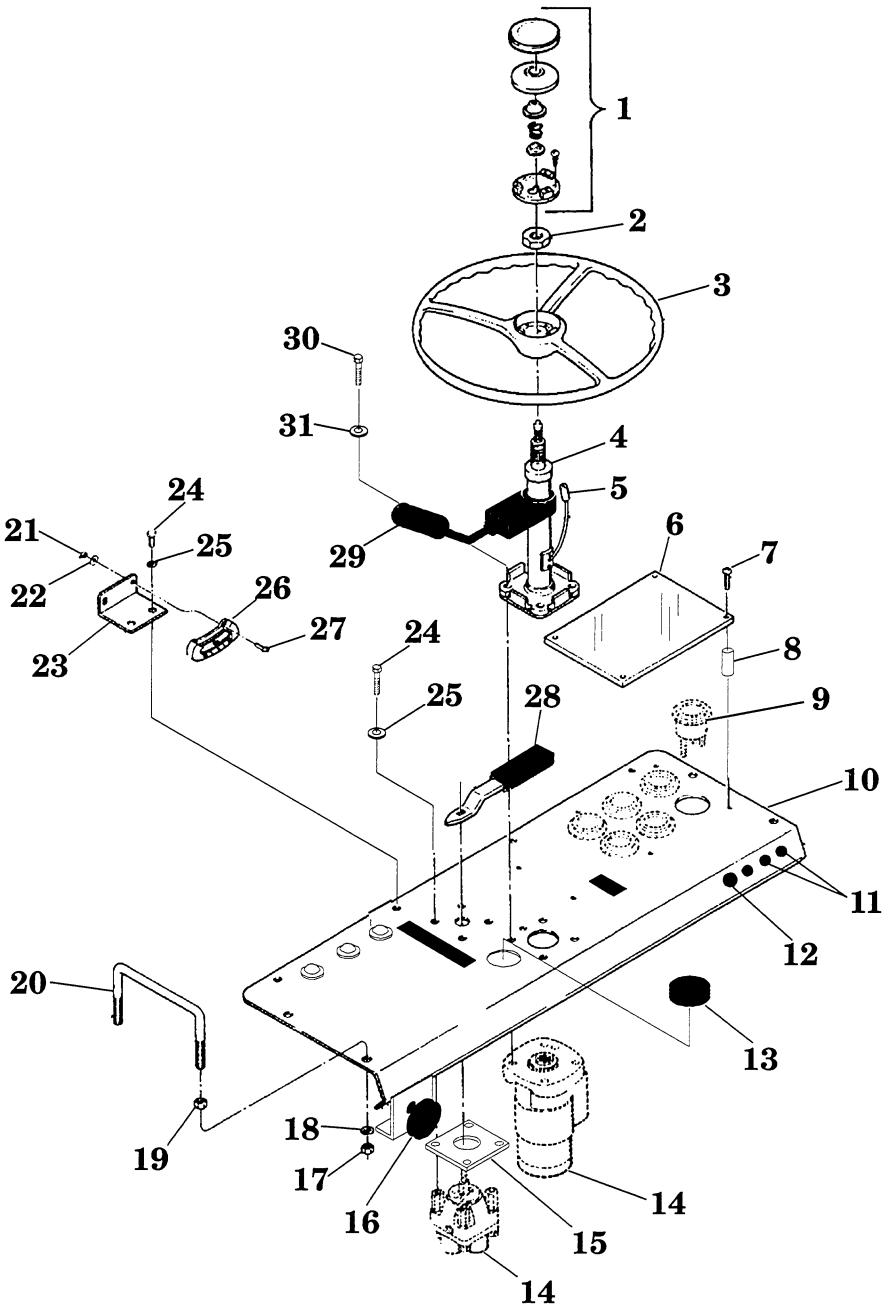



Figure 18380-4

## 18380-4

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P18141 | Horn Button Kit | 1 | 3112 – | |
| 2 | P13009 | Nut, Steering Wheel | 1 | " – " | |
| 3 | P28704 | Steering Wheel | 1 | " – " | |
| 4 | 35064B | Steering Column | 1 | " – " | |
| 5 | P18737 | Brush, Horn | REF | " – " | |
| 6 | 24343B | Vandal Cover, Gauges | 1 | " – " | |
| NI | P26755 | Gasket, Vandal Cover | 1 | 3112 – 4095 | |
| 7 | P00009 | Bolt, Hx. | 4 | 4096 – | 1/4"-20 x 2" |
| | P19424 | Bolt, Button Hd. Socket | 4 | 3112 – 4095 | 1/4"-20 x 1" |
| 8 | 35472A | Spacer, Vandal Cover | 4 | 4096 – | |
| 9 | See Page 7-36 | Gauges | – | 3112 – | |
| 10 | 34997B | Instrument Panel | 1 | 3112 – | |
| 11 | P19429 | Plug | 2 | 3112 – | 7/16" Hole |
| 12 | P19430 | Plug | 1 | 3112 – | 5/8" Hole |
| NI | P28659 | Vandal Cover, Lower | 1 | 3112 – 4011 | |
| NI | P02057 | Screw, Rd. Hd., Lower Vandal Cover | 4 | 3112 – 4011 | #10-24 x 3/4" |
| NI | P19254 | Speed Nut, Lower Vandal Cover | 4 | 3112 – 4011 | #10-24 |
| 13 | P32575 | Grommet, Shift Selector Harness | 1 | 3112 – | |
| 14 | See Page 5-72 | Steering Hydraulics | – | " – " | |
| 15 | 31660A | Spacer | 1 | " – " | |
| 16 | See Page 6-18 | Parking Brake | – | " – " | |
| 17 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 18 | P01560 | Jam Nut, Hx. | 2 | " – " | 1/2"-13 |
| 19 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 20 | 15573A | Hand Hold | 1 | " – " | |
| 21 | P01653 | Locknut, Hx. | 2 | " – " | #8-32 |
| 22 | P01427 | Flatwasher | 2 | " – " | #8 |
| 23 | P28794 | Bracket, Level Indicator | 1 | " – " | |
| 24 | P00206 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/2" |
| 25 | P01310 | Lockwasher | 8 | " – " | 3/8" |
| 26 | P28470 | Level Indicator | 1 | " – " | |
| 27 | P02034 | Screw, Rd. Hd. | 2 | " – " | #8-32 x 1/2" |
| 28 | P18085 | Handle, Selector Valve | REF | " – " | |
| 29 | See Page 7-36 | Electric Shift Selector | – | " – " | |
| 30 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 31 | P01312 | Lockwasher | 2 | " – " | 1/2" |

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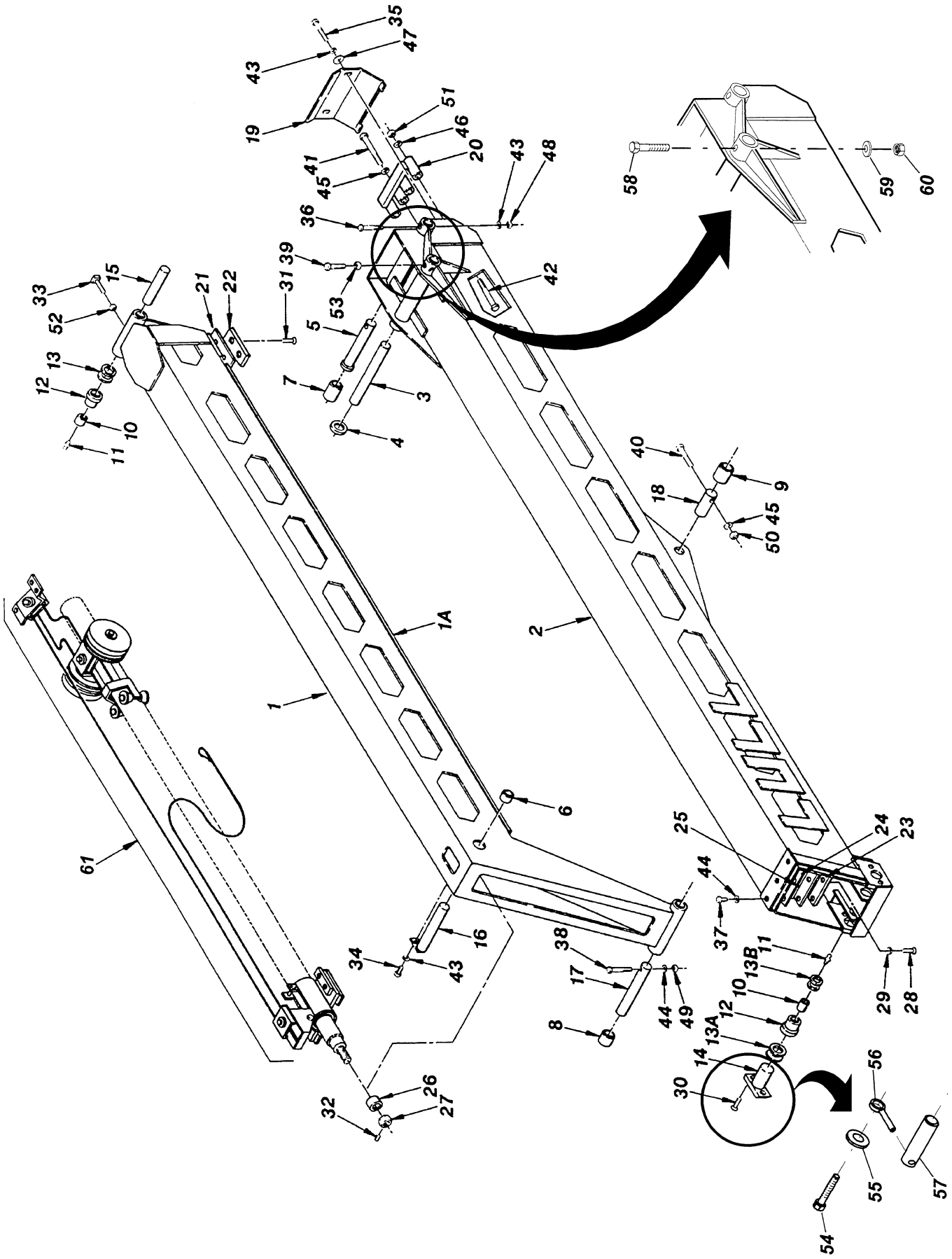



Figure 18355

## 18355 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 18008R | Inner Boom | 1 | – | |
| | P28669 | Inner Boom | 1 | 101 – | |
| 1A | 30391D | Rail, Roller | REF | 101 – | For Field Repair |
| 2 | 35439E | Outer Boom | 1 | – | |
| | P28671 | Outer Boom | 1 | 761 – | |
| | 18646R | Outer Boom | 1 | 368 – 760 | |
| | 18186D | Outer Boom | 1 | 101 – 367 | |
| 3 | 35436B | Shaft, Boom Pivot | 1 | – | |
| | 18185A | Shaft, Boom Pivot | 1 | 101 – | |
| 4 | P24746 | Shim, Boom Pivot | A/R | 101 – | 14 GA. |
| | P24748 | Shim, Boom Pivot | A/R | 101 – | 10 GA. |
| 5 | 18634A | Shaft, Rear Carriage Tilt Cylinder | 1 | 143 – | |
| | 16691A | Shaft, Rear Carriage Tilt Cylinder | 1 | 101 – 142 | |
| NI | 15913A | Collar, Shaft | - | 101 – 142 only | |
| 6 | P19106 | Bushing, Front Carriage Tilt Cylinder | 2 | 101 – | |
| 7 | P19108 | Bushing, Rear Carriage Tilt Cylinder | 1 | " – " | |
| 8 | P19109 | Bushing, Carriage Tilt Pivot | 2 | " – " | |
| 9 | P19111 | Bushing, Hoist Cylinder | 2 | " – " | |
| 10 | P26493 | Bushing, Roller | 4 | " – " | |
| 11 | P16611 | Grease Zerk | 6 | " – " | |
| 12 | P24735 | Roller, Boom | 4 | " – " | |
| 13 | P20431 | Spacer Washer, Rear Roller | A/R | " – " | |
| 13A | P20431 | Spacer Washer, Front Roller | A/R | 368 – | |
| | P19125 | Spacer Washer, Front Roller | A/R | 101 – 367 | 2.03" I.D. |
| 13B | P19730 | Spacer Washer, Front Roller | - | 101 – 367 only | 14 GA. |
| | P19731 | Spacer Washer, Front Roller | - | 101 – 367 only | 18 GA. |
| 14 | 17188B | Pin, Front Roller | 2 | 368 – | |
| | 15861A | Pin, Front Roller | 2 | 101 – 367 | |
| 15 | 16678A | Pin, Rear Roller | 1 | 101 – | |
| 16 | 15769A | Pin, Front Carriage Tilt Cylinder | 1 | 101 – | |
| 17 | 15723A | Pin, Carriage Tilt Pivot | 1 | 101 – | |
| 18 | 18113B | Pin, Hoist Cylinder | 1 | 135 – | |
| | 18113-1B | Pin, Hoist Cylinder | 1 | 101 – 134 | |
| 19 | 35055B | Cover, Boom | | – | |
| | 18405B | Cover, Boom | 1 | 761 – | |
| | 15777C | Cover, Boom | 1 | 101 – 760 | |
| 20 | 18410B | Mount Support, Extension Cylinder | 1 | 761 – | |
| | 18215B | Mount Support, Extension Cylinder | 1 | 101 – 760 | |

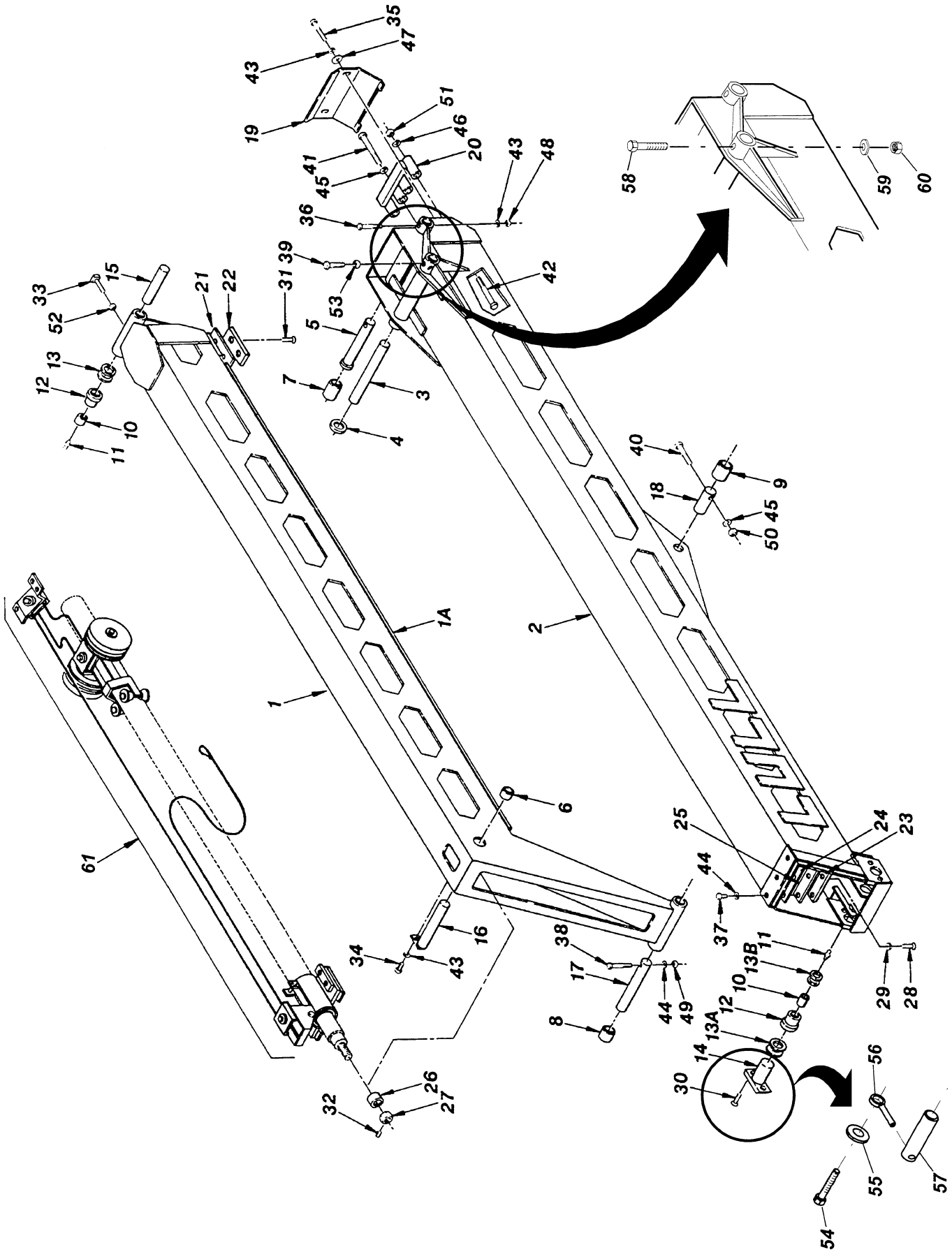



Figure 18355

## 18355 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 21 | 15764A | Shim, Inner Boom | A/R | 101 – | 12 GA. |
| | 17962B | Shim, Inner Boom | A/R | " – " | 16 GA. |
| 22 | P26296 | Slide Plate, Rear | 2 | " – " | |
| 23 | P26297 | Slide Plate, Front | 1 | " – " | |
| 24 | 16361A | Shim, Outer Boom | A/R | " – " | .06" |
| | 16362A | Shim, Outer Boom | A/R | " – " | .12" |
| 25 | 15886A | Base, Slide Plate, Front | 1 | " – " | |
| 26 | 13599A | Boss, Extension Cylinder Rod | 1 | " – " | |
| 27 | 16369A | Nut, Extension Cylinder Rod | 1 | " – " | |
| 28 | 18147A | Brass Screw, Slotted Flat Hd. | 4 | " – " | |
| 29 | P21477 | Starwasher, External Countersunk | 4 | " – " | 1/2"-82° |
| 30 | P03090 | Screw, Socket Flat Hd. | 4 | " – " | 3/8"-16 x 1" |
| 31 | P03115 | Screw, Socket Flat Hd. | 4 | " – " | 1/2"-13 x 1" |
| 32 | P02612 | Setscrew, Socket Cup Pt. | 1 | " – " | 3/8"-16 x 3/8" |
| 33 | P02755 | Setscrew, Square Hd. Cup Pt. | 1 | " – " | 1/2"-13 x 1 1/2" |
| 34 | P00202 | Bolt, Hx. | 1 | " – " | 3/8"-16 x 3/4" |
| 35 | P00214 | Bolt, Hx. | 2 | " – " | 3/8"-16 x 3 1/2" |
| 36 | P00217 | Bolt, Hx. | 1 | " – " | 3/8"-16 x 4 1/2" |
| 37 | P00400 | Bolt, Hx. | 3 | " – " | 1/2"-13 x 3/4" |
| 38 | P00415 | Bolt, Hx. | 1 | " – " | 1/2"-13 x 4 1/2" |
| 39 | P00606 | Bolt, Hx. | 4 | " – " | 5/8"-11 x 2 1/2" |
| 40 | P00627 | Bolt, Hx. | 1 | " – " | 5/8"-11 x 4 3/4" |
| 41 | P00615 | Bolt, Hx. | 2 | 761 – | 5/8"-11 x 5 1/2" |
| | P00616 | Bolt, Hx. | 2 | 101 – 760 | 5/8"-11 x 6" |
| 42 | P00764 | Bolt, Hx. | 2 | 761 – | 3/4"-16 x 6" |
| | P00765 | Bolt, Hx. | 2 | 101 – 760 | 3/4"-16 x 7" |
| 43 | P01310 | Lockwasher | 4 | 101 – | 3/8" |
| 44 | P01312 | Lockwasher | 4 | " – " | 1/2" |
| 45 | P01314 | Lockwasher | 3 | " – " | 5/8" |
| 46 | P01315 | Lockwasher | 2 | " – " | 3/4" |
| 47 | P01404 | Flatwasher | 2 | " – " | 3/8" |
| 48 | P01508 | Nut, Hx. | 1 | " – " | 3/8"-16 |
| 49 | P01510 | Nut, Hx. | 1 | " – " | 1/2"-13 |
| 50 | P01512 | Nut, Hx. | 1 | " – " | 5/8"-11 |
| 51 | P01536 | Nut, Hx. | 2 | " – " | 3/4"-16 |
| 52 | P01560 | Jam Nut, Hx. | 1 | " – " | 1/2"-13 |
| 53 | P01562 | Jam Nut, Hx. | 4 | " – " | 5/8"-11 |
| 54 | | Bolt, Hx. | 2 | – | |
| 55 | P01310 | Lockwasher | 2 | – | 3/8" |
| 56 | 25381A | Lock Pin | 2 | – | |
| 57 | 35453A | Pin, Front Roller | 2 | – | |
| 58 | P00615 | Bolt, Hx. | 1 | – | 5/8"-11 x 5 1/2" |
| 59 | P01314 | Lockwasher | 1 | – | 5/8" |
| 60 | P01512 | Nut, Hx. | 1 | – | 5/8"-11 |
| 61 | See Page 3-6 | Hose Reel & Cable Assy | – | | |

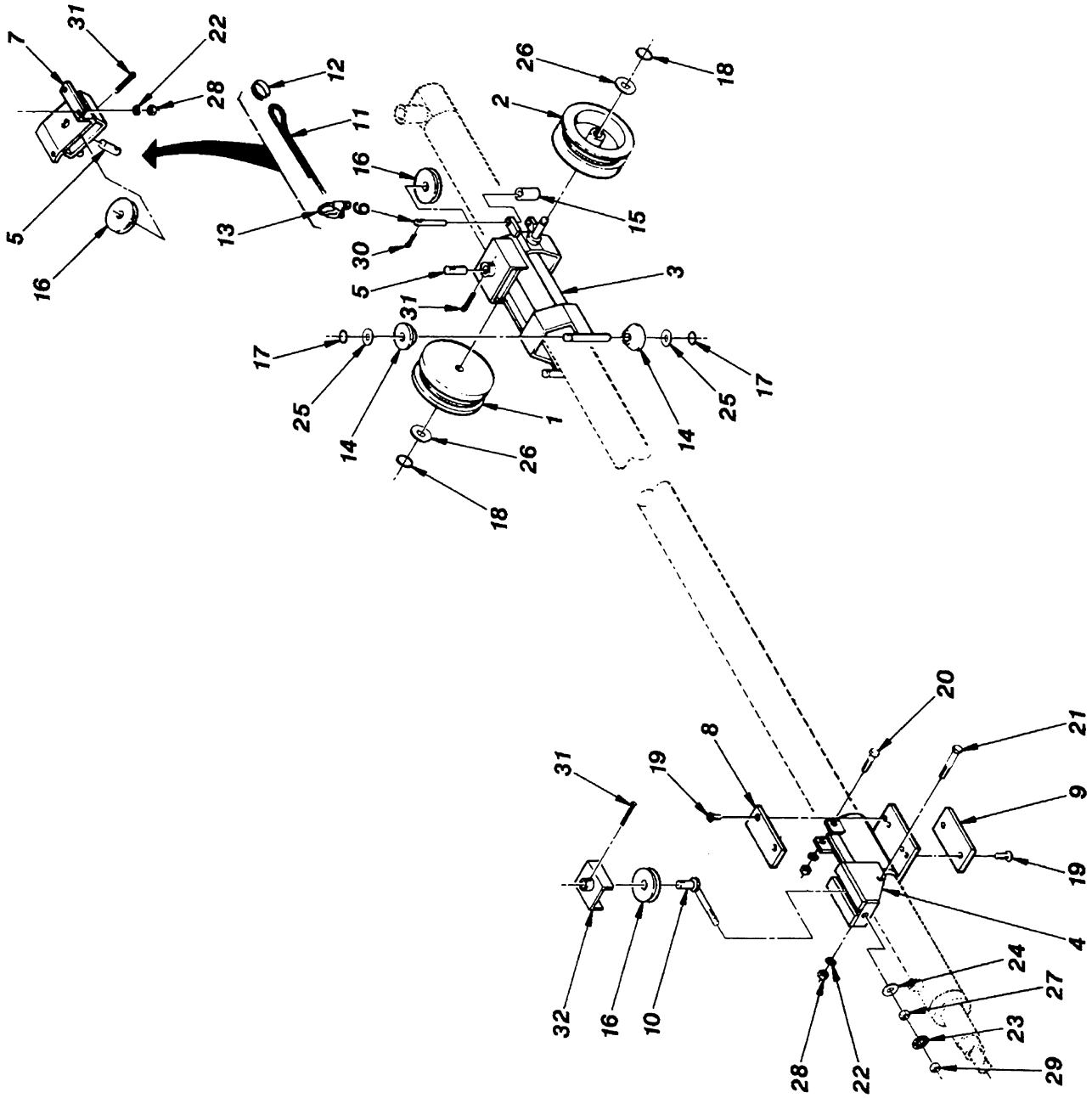



Figure 18384

## 18384

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 15816C | Hose Reel | 1 | 101 – 760 | |
| 2 | 17965C | Hose Reel, Auxiliary | 1 | 655 – 760 | |
| | 15816C | Hose Reel, Auxiliary | 1 | 101 – 654 | |
| 3 | 18203D | Housing, Hose Reel | 1 | 101 – 760 | |
| 4 | 18197C | Cable Sheave Support, Front | 1 | " – " | |
| 5 | 16249A | Pin, Sheave | 3 | " – " | |
| 6 | 16250A | Pin, Rear Roller | 2 | " – " | |
| 7 | 16266B | Mount, Sheave | 1 | " – " | |
| 8 | 16256A | Slide Plate, Upper | 2 | " – " | |
| 9 | 16257A | Slide Plate, Lower | 2 | " – " | |
| 10 | 18189B | Rod, Cable Adjuster | 1 | " – " | |
| 11 | P19257K | Cable | 1 | " – " | 3/16" Dia. |
| 12 | P19258 | Thimble | 3 | " – " | |
| 13 | P19259 | Wire Clip | 4 | " – " | |
| 14 | P18827 | Roller, Front | 4 | " – " | |
| 15 | P18828 | Roller, Rear | 2 | " – " | |
| 16 | P18829 | Sheave, Cable | 3 | " – " | |
| 17 | P18839 | Snap Ring, External | 4 | 101 – 1797 only | |
| 18 | P18840 | Snap Ring, External | 2 | 101 – 760 | |
| 19 | 18147A | Brass Screw, Slotted Flat Hd. | 8 | " – " | |
| 20 | P00214 | Bolt, Hx. | 1 | " – " | 3/8"-16 x 3 1/2" |
| 21 | P00217 | Bolt, Hx. | 1 | " – " | 3/8"-16 x 4 1/2" |
| 22 | P01310 | Lockwasher | 5 | " – " | 3/8" |
| 23 | P01361 | Starwasher | 1 | " – " | 1/2" - External |
| 24 | P01406 | Flatwasher | 1 | " – " | 1/2" |
| 25 | P01408 | Flatwasher | 4 | " – " | 5/8" |
| 26 | P01410 | Flatwasher | 2 | " – " | 7/8" |
| 27 | P01510 | Nut, Hx. | 1 | " – " | 1/2"-13 |
| 28 | P01508 | Nut, Hx. | 5 | " – " | 3/8"-16 |
| 29 | P01560 | Jam Nut, Hx. | 1 | " – " | 1/2"-13 |
| 30 | P03837 | Cotter Pin | 2 | " – " | 1/8" x 3/4" |
| 31 | P03877 | Cotter Pin | 3 | " – " | 1/4" x 1 3/4" |
| 32 | 18216B | Sheave Support | 1 | " – " | |

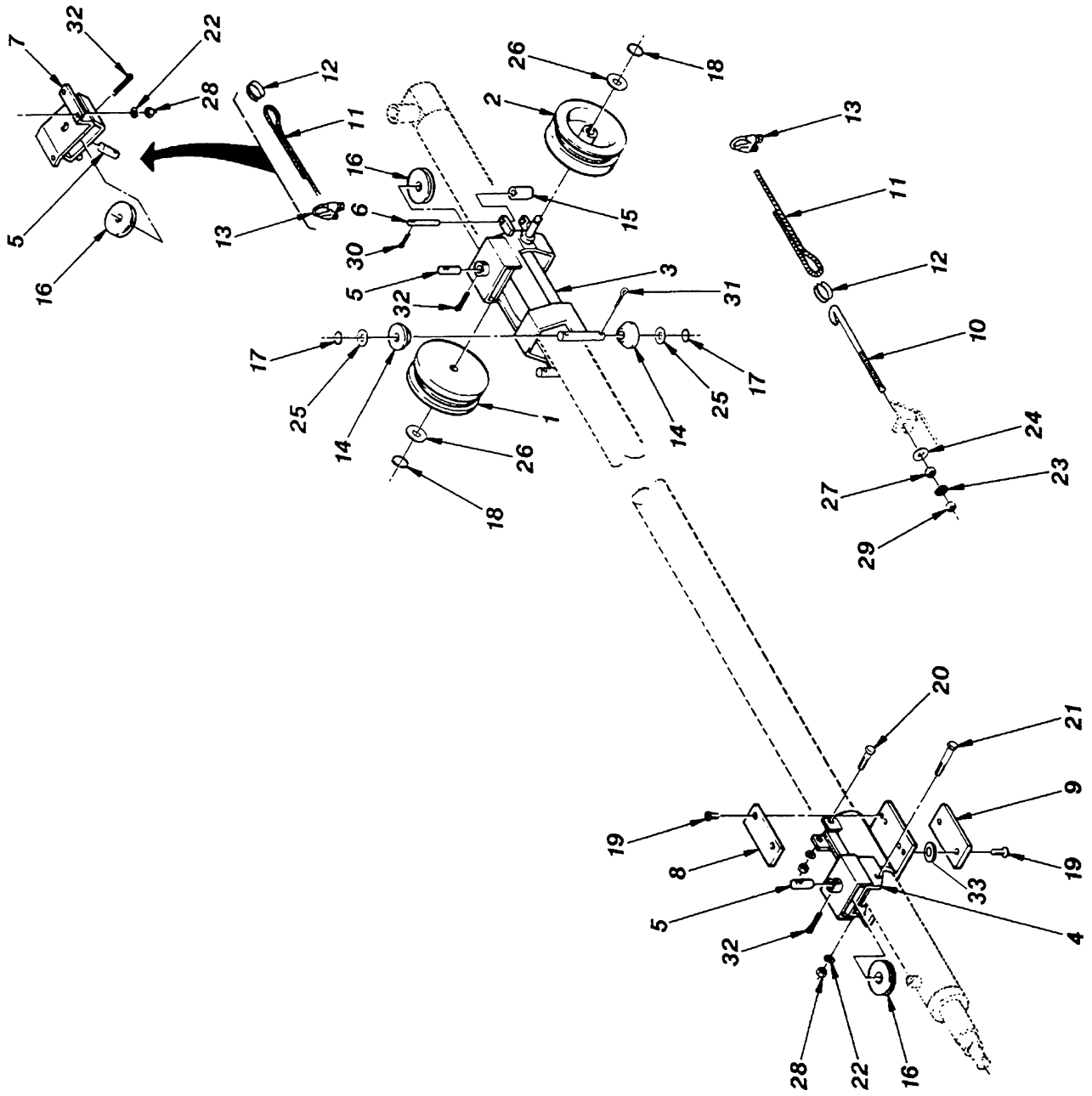



**Figure 18384-1**

## 18384-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 15816C | Hose Reel | 1 | 761 – | |
| 2 | 17965C | Hose Reel, Auxiliary | 1 | " – " | |
| 3 | 18203D | Housing, Hose Reel | 1 | " – " | |
| 4 | 21361C | Cable Sheave Support, Front | 1 | " – " | |
| 5 | 16249A | Pin, Sheave | 3 | " – " | |
| 6 | 16250A | Pin, Rear Roller | 2 | " – " | |
| 7 | 16266B | Mount, Sheave | 1 | " – " | |
| 8 | 16256A | Slide Plate, Upper | 2 | " – " | |
| 9 | 16257A | Slide Plate, Lower | 2 | " – " | |
| 10 | 16265A | Rod, Cable Adjuster | 1 | " – " | |
| 11 | P19257K | Cable | 1 | " – " | 3/16" Dia. |
| 12 | P19258 | Thimble | 3 | " – " | |
| 13 | P19259 | Wire Clip | 4 | " – " | |
| 14 | P18827 | Roller, Front | 4 | " – " | |
| 15 | P18828 | Roller, Rear | 2 | " – " | |
| 16 | P18829 | Sheave, Cable | 3 | " – " | |
| 17 | P18839 | Snap Ring, External | 4 | 101 – 1797 only | |
| 18 | P18840 | Snap Ring, External | 2 | 761 – | |
| 19 | 18147A | Brass Screw, Slotted Flat Hd. | 8 | " – " | |
| 20 | P00214 | Bolt, Hx. | 1 | " – " | 3/8"-16 x 3 1/2" |
| 21 | P00218 | Bolt, Hx. | 1 | " – " | 3/8"-16 x 5" |
| 22 | P01310 | Lockwasher | 5 | " – " | 3/8" |
| 23 | P01358 | Starwasher | 1 | " – " | 5/16" - External |
| 24 | P01403 | Flatwasher | 1 | " – " | 5/16" |
| 25 | P01408 | Flatwasher | 4 | " – " | 5/8" |
| 26 | P01410 | Flatwasher | 2 | " – " | 7/8" |
| 27 | P01507 | Nut, Hx. | 1 | " – " | 5/16"-18 |
| 28 | P01508 | Nut, Hx. | 5 | " – " | 3/8"-16 |
| 29 | P01557 | Jam Nut, Hx. | 1 | " – " | 5/16"-18 |
| 30 | P03837 | Cotter Pin | 2 | " – " | 1/8" x 3/4" |
| 31 | P03852 | Cotter Pin | 4 | " – " | 5/32" x 1 1/4" |
| 32 | P03877 | Cotter Pin | 3 | " – " | 1/4" x 1 3/4" |
| 33 | P21477 | Starwasher, External Countersunk | 8 | " – " | 1/2"-82° |

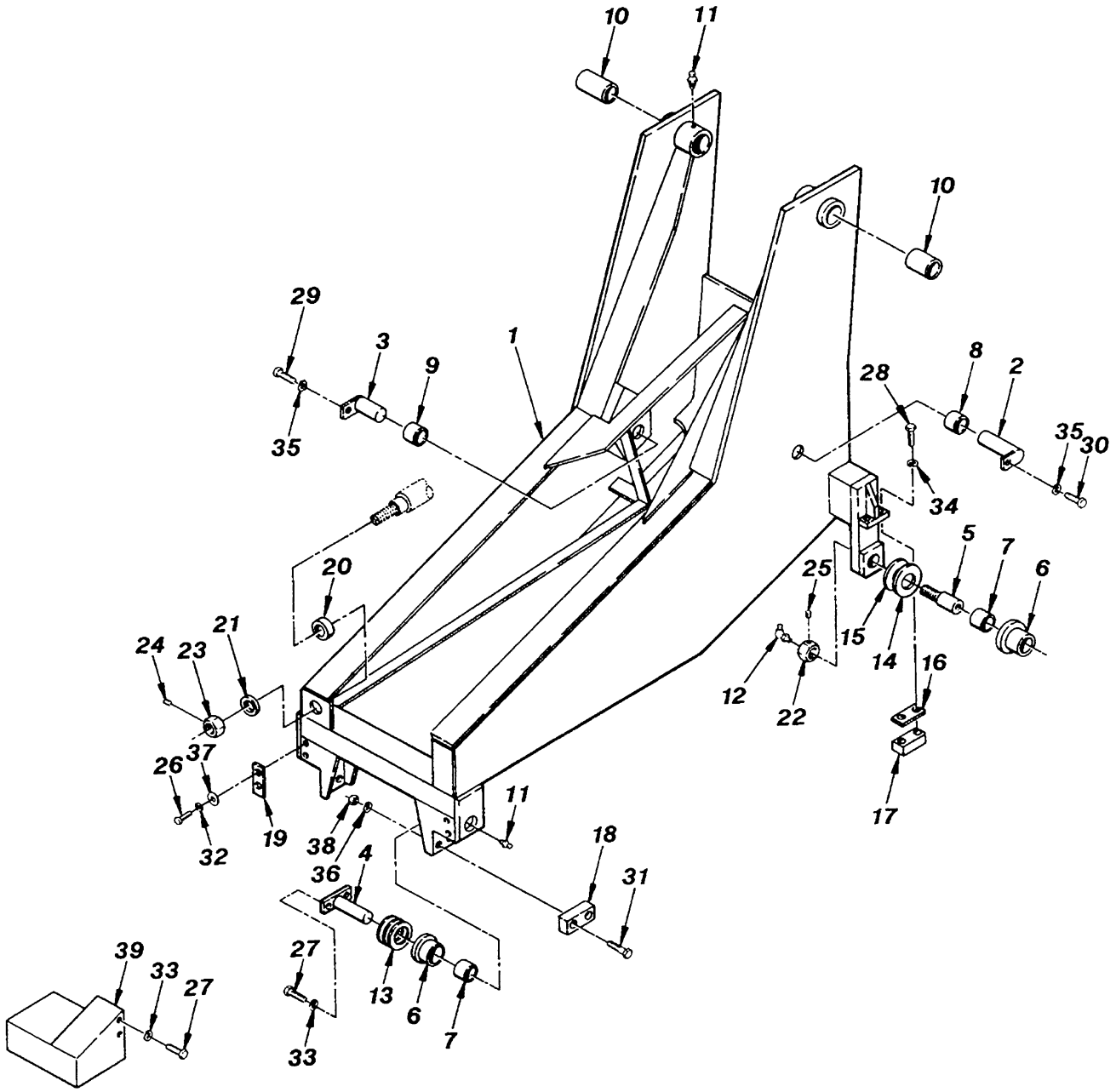



Figure 18356

## 18356 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 21593R | Transfer Carriage | 1 | 925 – 2783 | |
| | 18645R | Transfer Carriage | 1 | 276, 277, 280 – 924 | |
| | 18621R | Transfer Carriage | 1 | 147 – 275, 278 & 279 | |
| | 18005R | Transfer Carriage | 1 | 101 – 146 | |
| 2 | 18082A | Pin, Hoist Cylinder | 1 | 101 – 2783 | |
| 3 | 18094B | Pin, Rear Carriage Tilt Cylinder | 1 | 101 – 1964, 1990 – 2783 | |
| | 25720B | Pin, Rear Carriage Tilt Cylinder | 1 | 1965 – 1989 | |
| 4 | 18238A | Pin, Front Roller | 2 | 101 – 2783 | |
| 5 | P27930 | Spindle, Rear Roller | 2 | " – " | |
| 6 | P24735 | Roller, Transfer | 4 | " – " | |
| 7 | P26493 | Bushing, Roller | 4 | " – " | |
| 8 | P20484 | Bushing, Hoist Cylinder | 1 | " – " | |
| 9 | P18830 | Bushing, Rear Carriage Tilt Cylinder | 1 | " – " | |
| 10 | P27758 | Bushing, Boom Pivot | 2 | " – " | Replaces (4) P19111 |
| 11 | P16611 | Grease Zerk | 5 | " – " | Straight |
| 12 | P15367 | Grease Zerk | 2 | " – " | 45° |
| 13 | P20431 | Shim, Front Roller | A/R | " – " | 14 GA. |
| 14 | P21320 | Thrust Washer, Spindle | 2 | " – " | Not used in all |
| 15 | P21321 | Shim, Spindle | A/R | " – " | .06" x 2.28" I.D. |
| 16 | 18167A | Shim, Slide Block | 2 | " – " | |
| 17 | 18165A | Slide Block, Rear | 2 | " – " | |
| 18 | 15972A | Slide Block, Front | 2 | " – " | |
| 19 | 16309A | Scraper Plate | 4 | " – " | |
| 20 | 18635A | Spacer, Transfer Cylinder | - | " – " | Welded to Transfer Carriage in current production |
| 21 | 18636A | Spacer, Transfer Cylinder Rod End | - | " – " | Welded to Transfer Carriage in current production |
| 22 | 16310A | Nut, Special, Spindle | 2 | " – " | |
| 23 | 16369A | Nut, Special, Transfer Cylinder Rod | 1 | " – " | |
| 24 | P02612 | Setscrew Cup Pt. Socket | 1 | " – " | 3/8"-16 x 3/8" |
| 25 | P02614 | Setscrew Cup Pt. Socket | 2 | " – " | 3/8"-16 x 1/2" |
| 26 | P00102 | Bolt, Hx. | 8 | " – " | 5/16"-18 x 3/4" |
| 27 | P00202 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 3/4" |
| 28 | P00403 | Bolt, Hx. | 4 | " – " | 1/2"-13 x 1 1/4" |

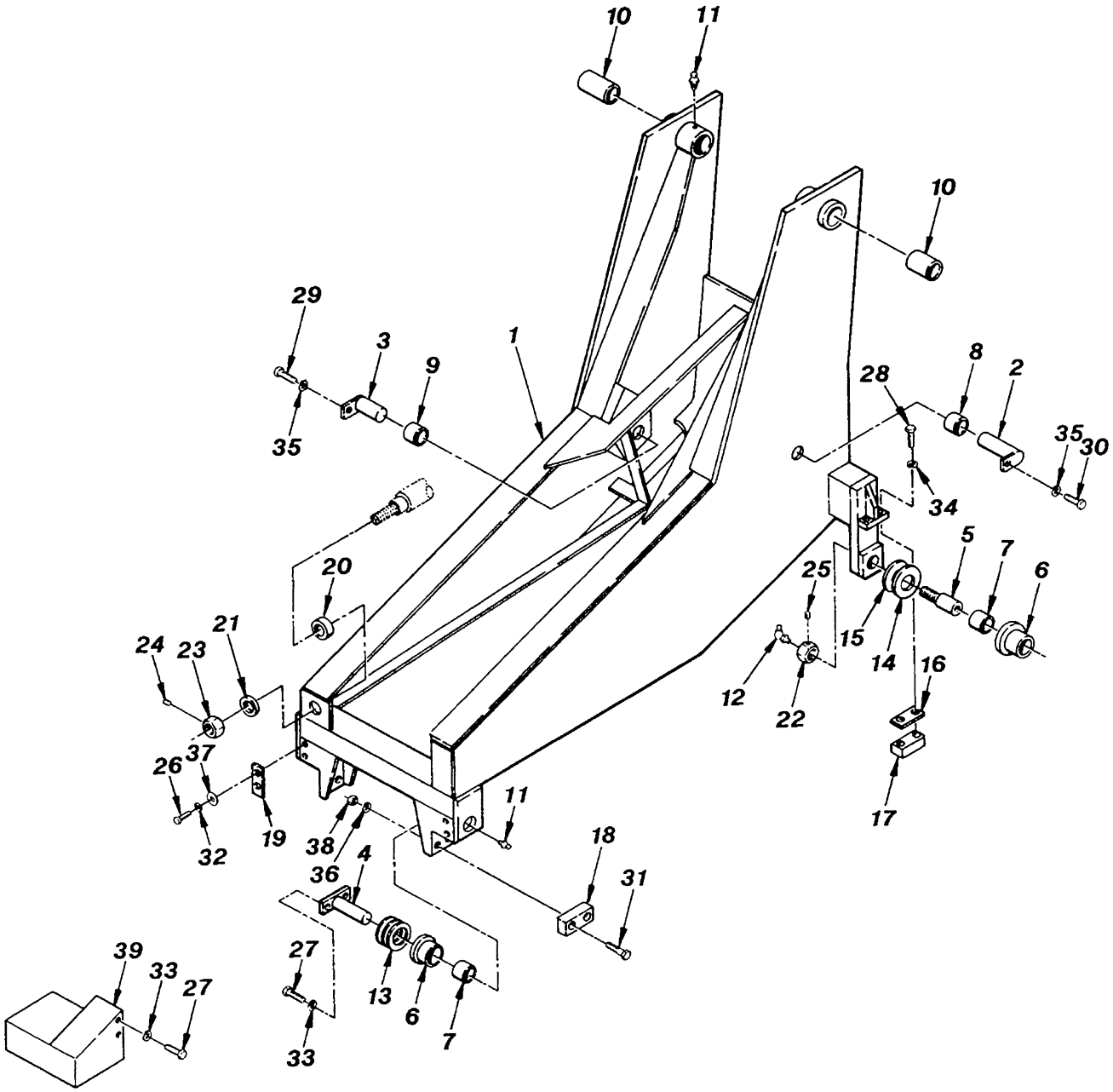



**Figure 18356**

## 18356 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 29 | P00600 | Bolt, Hx. | 1 | " – " | 5/8"-11 x 1" |
| 30 | P00601 | Bolt, Hx. | 1 | " – " | 5/8"-11 x 1 1/4" |
| 31 | P00708 | Bolt, Hx. | 4 | " – " | 3/4"-10 x 3 1/2" |
| 32 | P01309 | Lockwasher | 8 | " – " | 5/16" |
| 33 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 34 | P01312 | Lockwasher | 4 | " – " | 1/2" |
| 35 | P01314 | Lockwasher | 2 | " – " | 5/8" |
| 36 | P01315 | Lockwasher | 4 | " – " | 3/4" |
| 37 | P01403 | Flatwasher | 8 | " – " | 5/16" |
| 38 | P01513 | Nut, Hx. | 4 | " – " | 3/4"-10 |
| 39 | 18281C | Hose Guard | - | 101 – 144 only | |
| NI | 18571D | Rear Slide Block Kit | - | 101 – 144 only | |

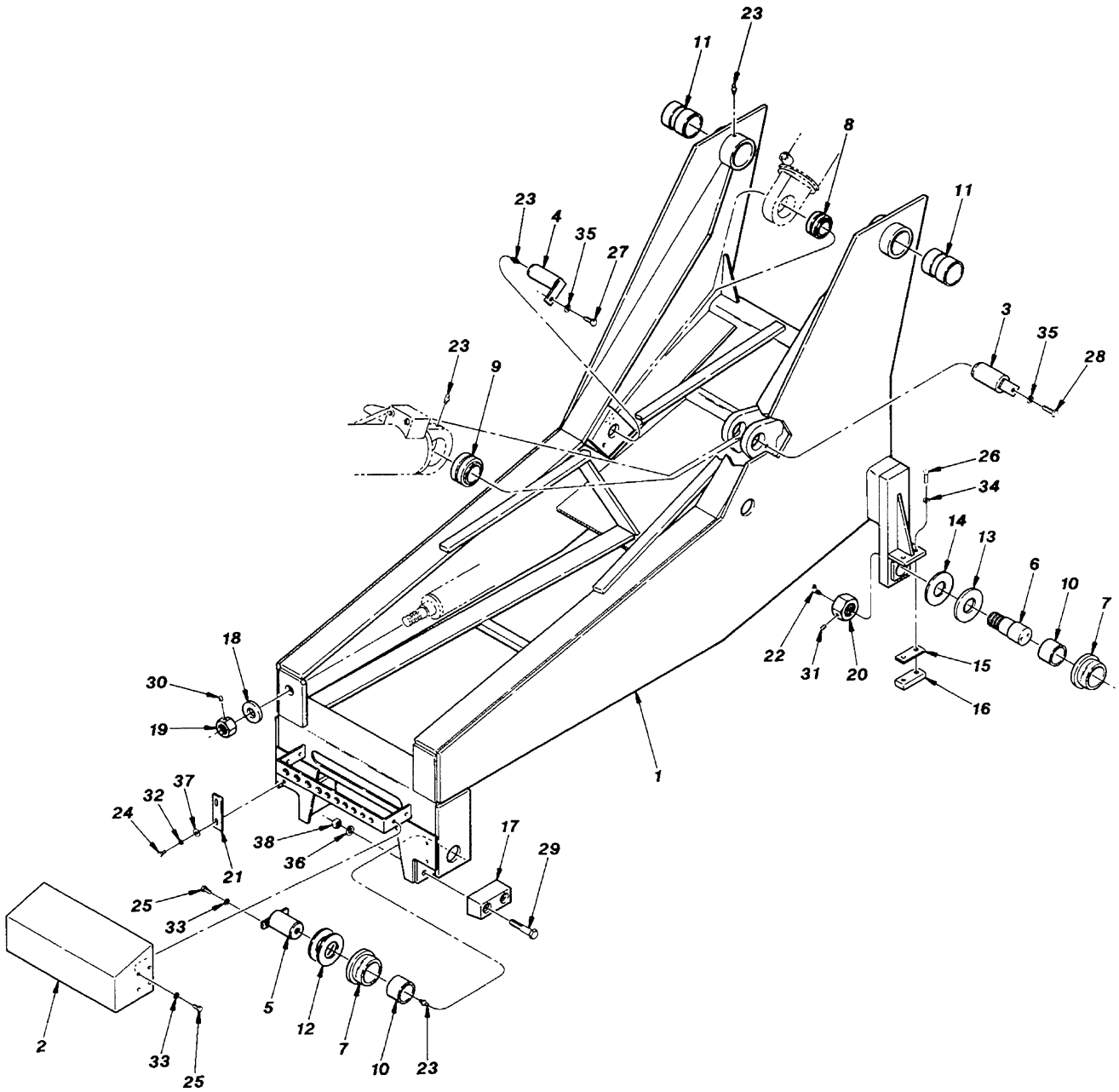



**Figure 18356-1**

## 18356-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 31853R | Transfer Carriage | 1 | 2784 – | |
| 2 | 25703C | Cover, Hose | 1 | " – " | |
| 3 | 18082A | Pin, Hoist Cylinder | 1 | " – " | Lower |
| 4 | 18094B | Pin, Rear Carriage Tilt Cylinder | 1 | " – " | Lower |
| 5 | 18238A | Pin, Front Roller | 2 | " – " | |
| 6 | P27930 | Spindle, Rear Roller | 2 | " – " | |
| 7 | P24735 | Roller, Transfer | 4 | " – " | |
| 8 | P18830 | Bushing, Rear Carriage Tilt Cylinder | 1 | " – " | |
| 9 | P20484 | Bushing, Hoist Cylinder | 1 | " – " | |
| 10 | P26493 | Bushing, Roller | 4 | " – " | |
| 11 | P27758 | Bushing, Boom Pivot | 2 | " – " | |
| 12 | P20431 | Shim, Front Roller | A/R | " – " | 14 GA. |
| 13 | P21320 | Thrust Washer, Spindle | 2 | " – " | |
| 14 | P21321 | Shim, Spindle | A/R | " – " | .06" x 2.28" I.D. |
| 15 | P40758 | Shim, Slide Block | 2 | " – " | |
| 16 | 18165A | Slide Block | 2 | " – " | Rear |
| 17 | 15972A | Slide Block | 2 | " – " | Front |
| 18 | 31929A | Spacer, Transfer Cylinder | 1 | " – " | |
| 19 | P29547 | Nut, Special | 1 | " – " | |
| 20 | P29548 | Nut, Special | 2 | " – " | |
| 21 | P40755 | Plate, Scraper | 4 | " – " | |
| 22 | P15367 | Grease Zerk | 2 | " – " | 45° |
| 23 | P16611 | Grease Zerk | 6 | " – " | |
| 24 | P00102 | Bolt, Hx. | 8 | " – " | 5/16"-18 x 3/4" |
| 25 | P00202 | Bolt, Hx. | 8 | " – " | 3/8"-16 x 3/4" |
| 26 | P00403 | Bolt, Hx. | 4 | " – " | 1/2"-13 x 1 1/4" |
| 27 | P00600 | Bolt, Hx. | 1 | " – " | 5/8"-11 x 1" |
| 28 | P00601 | Bolt, Hx. | 1 | " – " | 5/8"-11 x 1 1/4" |
| 29 | P00708 | Bolt, Hx. | 4 | " – " | 3/4"-10 x 3 1/2" |
| 30 | P02612 | Set Screw, Socket | 1 | " – " | 3/8"-16 x 3/8" |
| 31 | P02614 | Set Screw, Socket | 2 | " – " | 3/8"-16 x 1/2" |
| 32 | P01309 | Lockwasher | 8 | " – " | 5/16" |
| 33 | P01310 | Lockwasher | 8 | " – " | 3/8" |
| 34 | P01312 | Lockwasher | 4 | " – " | 1/2" |
| 35 | P01314 | Lockwasher | 2 | " – " | 5/8" |
| 36 | P01315 | Lockwasher | 4 | " – " | 3/4" |
| 37 | P01403 | Flatwasher | 4 | " – " | 5/16" |
| 38 | P01513 | Nut, Hx. | 4 | " – " | 3/4"-10 |
| NI | 21936A | Field Repair Kit, Hoist Cyl. Support | – | " – " | |
| NI | 32653B | Field Repair Kit, Rear Roller Support | – | " – " | |
| NI | 32165B | Field Repair Kit, Rear Tilt Cyl. Support | – | " – " | |

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| Cylinder, Tilt | 4, 8, 12, 16, 20, 24 |
| Valve, Counterbalance | 4, 8, 12, 16, 20, 24 |

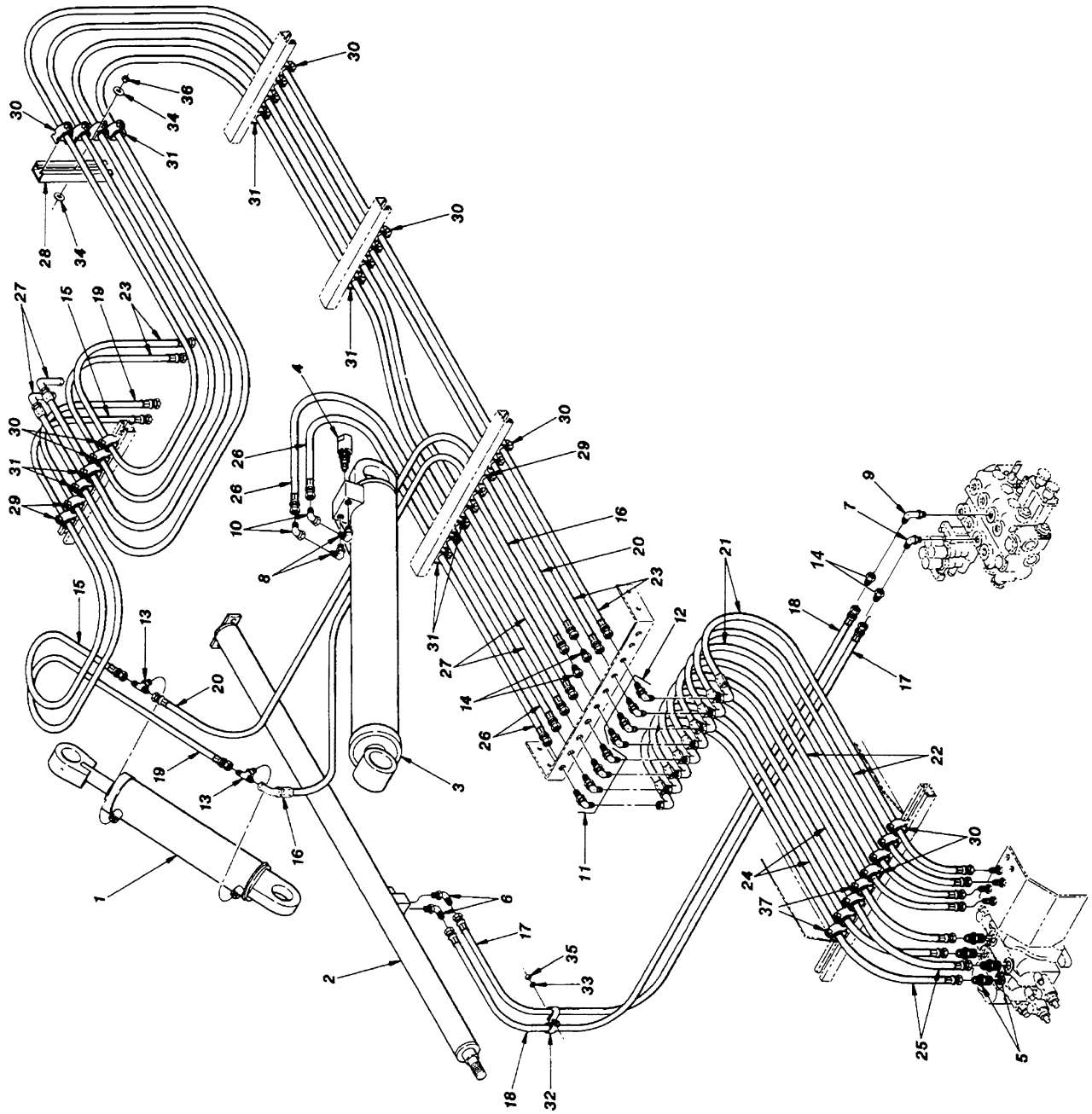


Figure 18357

## 29946

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P24738 | Cylinder, Tilt | 1 | 2784 – | Rear Carriage |
| 2 | P24744 | Cylinder, Transfer | 1 | " – " | |
| 3 | P27780 | Cylinder, Hoist | 1 | " – " | |
| 4 | P19064 | Valve, Counterbalance | 1 | " – " | Seal Kit, P21488 |
| 5 | P17805 | Connector, O-Ring | 4 | " – " | |
| 6 | P18935 | 90° Elbow, O-Ring | 2 | " – " | |
| 7 | P25247 | 90° Elbow, O-Ring | 1 | " – " | |
| 8 | P19055 | 90° Elbow, O-Ring | 2 | " – " | |
| 9 | P29012 | 90° Elbow, O-Ring | 1 | " – " | Long |
| 10 | P21632 | 90° Elbow, Swivel | 2 | " – " | |
| 11 | P21916 | 90° Elbow, Bulkhead | 4 | " – " | |
| 12 | P27394 | 90° Elbow, Bulkhead | 4 | " – " | |
| 13 | P18958 | Tee, O-Ring | 2 | " – " | |
| 14 | P27383 | Reducer, Swivel | 4 | " – " | |
| 15 | P21365 | Hose, Hyd. | 1 | " – " | .38" x 67" |
| 16 | P29787 | Hose, Hyd. | 1 | " – " | .38" x 79" |
| 17 | P29776 | Hose, Hyd. | 1 | " – " | .38" x 80" |
| 18 | P29777 | Hose, Hyd. | 1 | " – " | .38" x 83" |
| 19 | P21344 | Hose, Hyd. | 1 | " – " | .38" x 87" |
| 20 | P29788 | Hose, Hyd. | 1 | " – " | .38" x 98" |
| 21 | P29791 | Hose, Hyd. | 2 | " – " | .50" x 75" |
| 22 | P29790 | Hose, Hyd. | 2 | " – " | .50" x 77" |
| 23 | P29789 | Hose, Hyd. | 2 | " – " | .50" x 203" |
| 24 | P29793 | Hose, Hyd. | 2 | " – " | .62" x 74" |
| 25 | P29792 | Hose, Hyd. | 2 | " – " | .62" x 79" |
| 26 | P26629 | Hose, Hyd. | 2 | " – " | .75" x 99" |
| 27 | P29794 | Hose, Hyd. | 2 | " – " | .75" x 191" |
| 28 | 18652B | Channel, Cushion Clamp | 1 | " – " | |
| 29 | P20465 | Clamp, Cushion | 4 | " – " | |
| 30 | P20468 | Clamp, Cushion | 14 | " – " | |
| 31 | P20486 | Clamp, Cushion | 12 | " – " | |
| 32 | P17553 | Clamp, Hose | 2 | " – " | |
| 33 | P01309 | Lockwasher | 1 | " – " | 5/16" |
| 34 | P01404 | Flatwasher | 2 | " – " | 3/8" |
| 35 | P01507 | Nut, Hx. | 1 | " – " | 5/16"-18 |
| 36 | P01681 | Locknut, Hx. | 1 | " – " | 3/8"-24 |
| 37 | P28200 | Clamp, Cushion | 4 | " – " | |

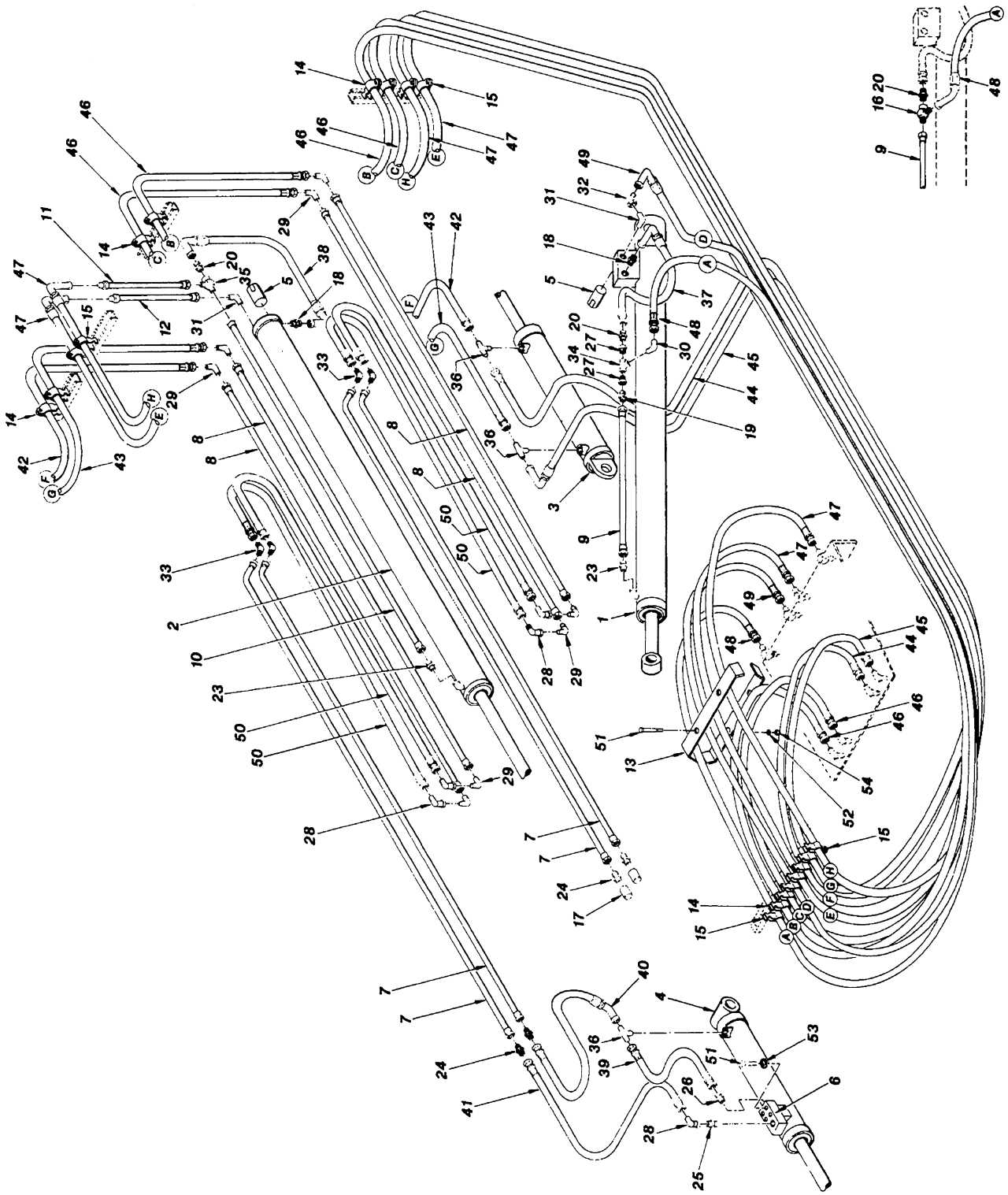


**Figure 18357**

## 18357 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19936 | Cylinder, Hoist | 1 | 101 – 146 | |
| 2 | P19939 | Cylinder, Boom Extension | 1 | " – " | |
| 3 | P19940 | Cylinder, Tilt | 1 | " – " | Rear Carriage |
| 4 | P19941 | Cylinder, Tilt | 1 | " – " | Front Carriage |
| 5 | P19064 | Valve, Counterbalance | 2 | " – " | Seal Kit, P21488 |
| 6 | 23570A | Valve, Counterbalance | 1 | " – " | |
| 7 | P18970 | Tube, Hyd. | 4 | " – " | .38" O.D. Replaces .62" O.D. Tube |
| 8 | P20451 | Tube, Hyd. | 4 | " – " | .38" O.D. |
| 9 | P21384 | Tube, Hyd. | 1 | 135-146 | .62" O.D. |
| | P20495 | Tube, Hyd. | 1 | 101-134 | .62" O.D. |
| 10 | P21331 | Tube, Hyd. | 1 | 101 – 146 | .62" O.D. |
| 11 | P18971 | Tube, Hyd. | 1 | " – " | .62" O.D. |
| 12 | P18972 | Tube, Hyd. | 1 | " – " | .75" O.D. |
| 13 | 18503A | Clamp, Hose Strap | 2 | " – " | |
| 14 | P20465 | Clamp, Hyd. Hose | 10 | " – " | For 3/8" Hose |
| 15 | P20486 | Clamp, Hyd. Hose | 8 | " – " | For 3/4" Hose |
| 16 | 18326B | Tee, Special | 1 | 101-134 only | |
| 17 | P18929 | Cap, Hex | 2 | 101 – 146 | |
| 18 | P19062 | Connector, JIC - Pipe | 2 | " – " | |
| 19 | P12969 | Connector, JIC - Pipe | 1 | " – " | |
| 20 | P19246 | Connector, JIC - Pipe | 2 | " – " | |
| 23 | P18964 | Connector, O-Ring | 2 | " – " | |
| 24 | P18948 | Connector, Bulkhead | 4 | " – " | |
| 25 | P19415 | Connector, O-Ring | 1 | " – " | |
| 26 | P19478 | Connector, O-Ring | 1 | " – " | |
| 27 | P10103 | Reducer Bushing | 2 | " – " | |
| 28 | P18957 | 90° Elbow, Swivel | 5 | " – " | |
| 29 | P18959 | 90° Elbow, Union | 8 | " – " | |
| 30 | P17808 | 90° Elbow, O-Ring | 1 | " – " | |
| 31 | P19055 | 90° Elbow, O-Ring | 2 | " – " | |
| 32 | P17806 | 45° Elbow, Swivel | 1 | " – " | |
| 33 | P18947 | 45° Elbow, Bulkhead | 4 | " – " | |
| 34 | P10197 | Tee, Pipe | 1 | " – " | |
| 35 | P18925 | Tee, Female Run | 1 | " – " | |
| 36 | P18958 | Tee, O-Ring | 3 | " – " | |
| 37 | P19249 | Hose, Hyd. | 1 | " – " | .25" x 7" |
| 38 | P21361 | Hose, Hyd. | 1 | " – " | .25" x 19" |
| 39 | P18893 | Hose, Hyd. | 1 | " – " | .25" x 22" |
| 40 | P19078 | Hose, Hyd. | 1 | " – " | .38" x 21" |
| 41 | P18856 | Hose, Hyd. | 1 | " – " | .38" x 45" |
| 42 | P21365 | Hose, Hyd. | 1 | " – " | .38" x 67" |
| 43 | P21344 | Hose, Hyd. | 1 | " – " | .38" x 87" |
| 44 | P21359 | Hose, Hyd. | 1 | " – " | .38" x 210" |
| 45 | P21360 | Hose, Hyd. | 1 | " – " | .38" x 195" |
| 46 | P21364 | Hose, Hyd. | 2 | " – " | .38" x 276" |

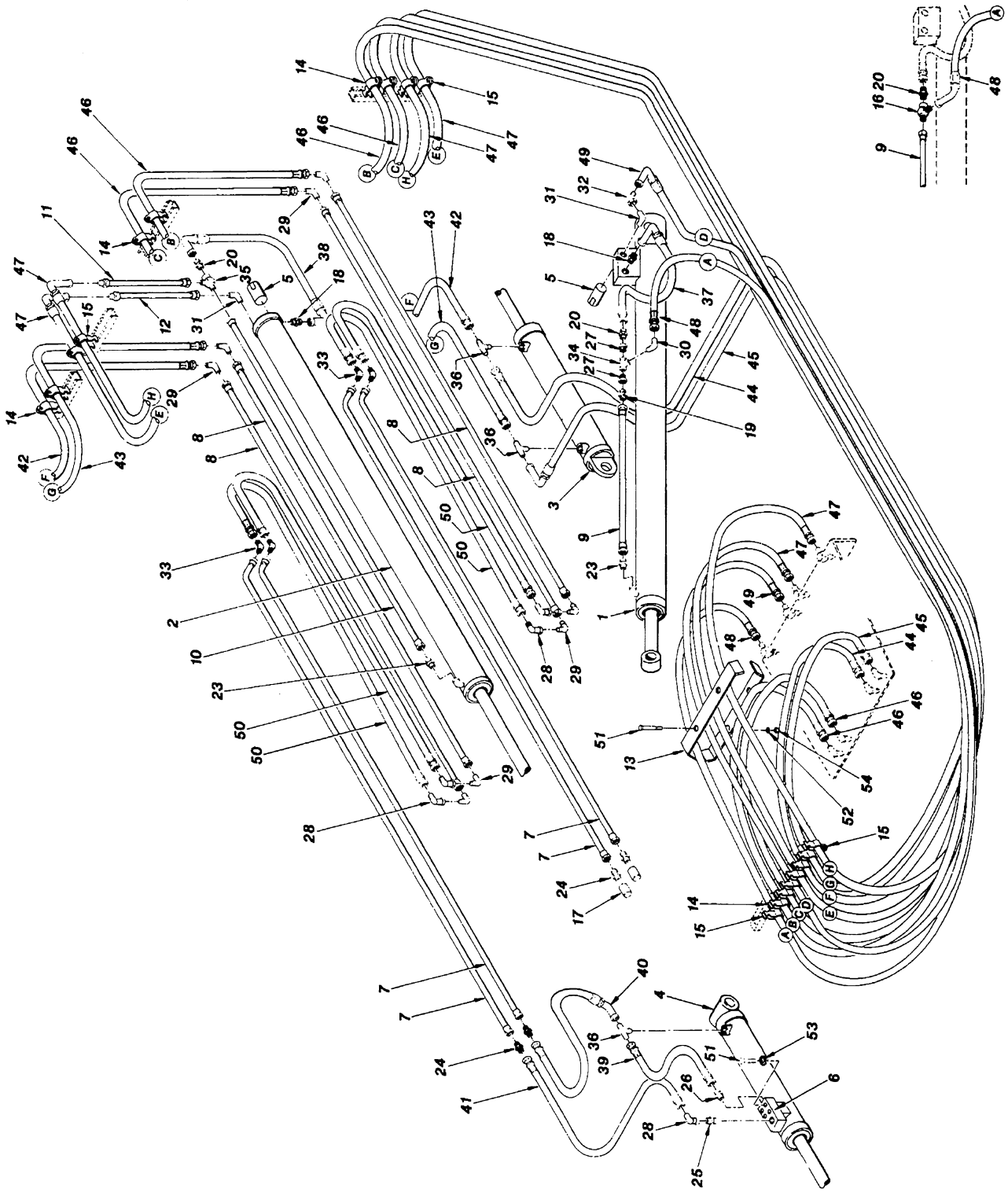


Figure 18357

## 18357 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 47 | P21363 | Hose, Hyd. | 2 | " – " | .75" x 272" |
| 48 | P21332 | Hose, Hyd. | 1 | 101-134 | .75" x 192" |
| | P21394 | Hose, Hyd. | 1 | 135-146 | .75" x 192" |
| 49 | P21333 | Hose, Hyd. | 1 | 101 – 146 | .75" x 167" |
| 50 | P29253 | Hose, Hyd. | 4 | " – " | .38" x 99" Replaces Twin Hose. For repair, replace all four hoses. |
| 51 | P00109 | Bolt, Hx. | 8 | " – " | 5/16"-18 x 2 1/4" |
| 52 | P01309 | Lockwasher | 4 | " – " | 5/16" |
| 53 | P01358 | Starwasher | 4 | " – " | 5/16" |
| 54 | P01507 | Nut, Hx. | 6 | " – " | 5/16"-18 |
| NI | 18298B | Hose Tray | 1 | " – " | |

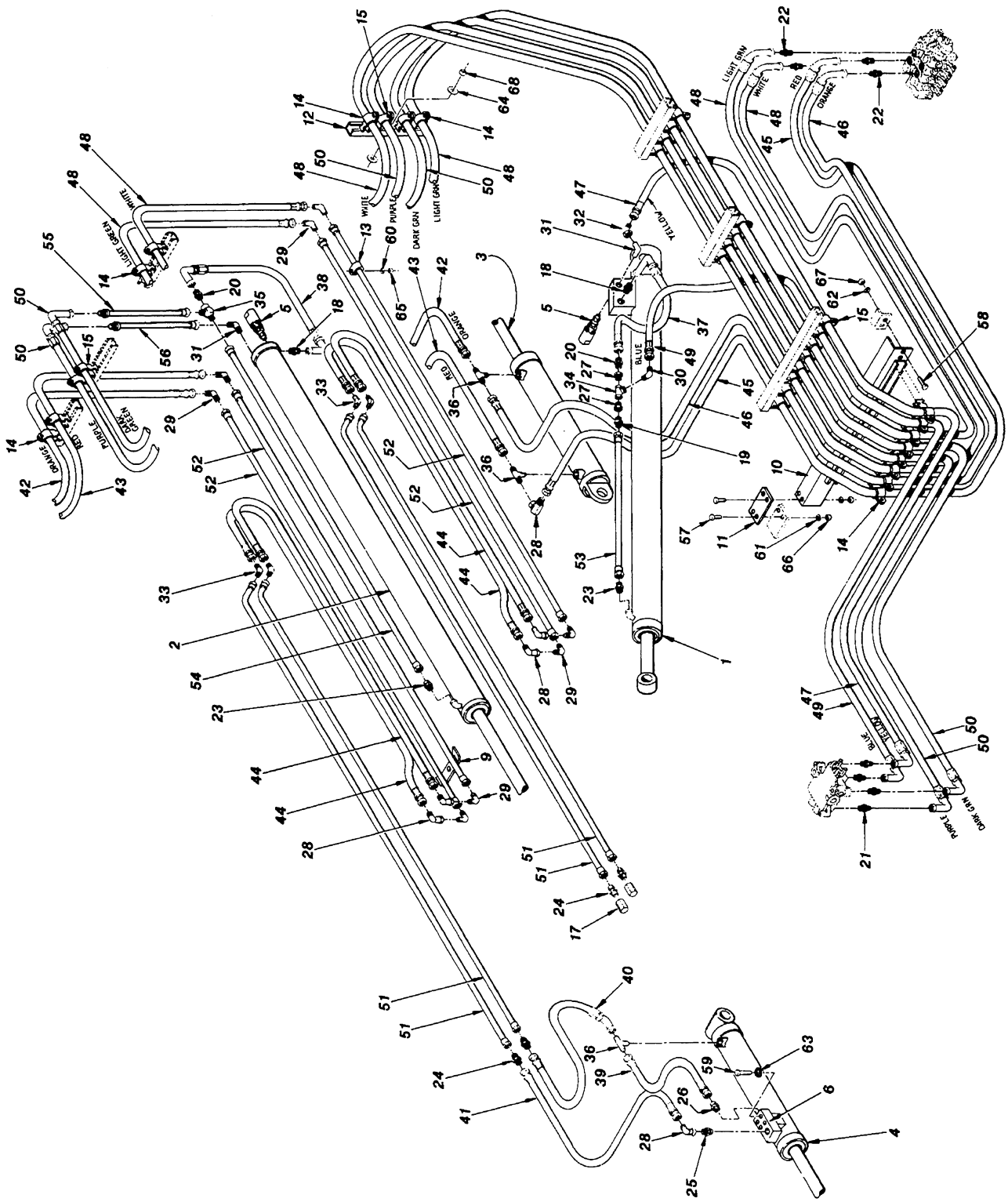



Figure 18357-1

## 18357-1 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19936 | Cylinder, Hoist | 1 | 147 – 653 | |
| 2 | P19939 | Cylinder, Boom Extension | 1 | " – " | |
| 3 | P19940 | Cylinder, Tilt | 1 | " – " | Rear Carriage |
| 4 | P19941 | Cylinder, Tilt | 1 | " – " | Front Carriage |
| 5 | P19064 | Valve, Counterbalance | 2 | " – " | Seal Kit, P21488 |
| 6 | 23570A | Valve, Counterbalance | 1 | " – " | |
| 9 | 18273A | Clamp, Tube | 2 | " – " | |
| 10 | 18541B | Support, Hose | 1 | " – " | |
| 11 | 18548A | Bar, Hose Support | 1 | " – " | |
| 12 | 18652B | Channel, Hose Clamp | 1 | " – " | |
| 13 | P17554 | Clamp, Hyd. Tube | 8 | " – " | |
| 14 | P20465 | Clamp, Hyd. Hose | 18 | " – " | For 3/8" Hose |
| 15 | P20486 | Clamp, Hyd. Hose | 16 | " – " | For 3/4" Hose |
| 17 | P18929 | Cap, Hex | 2 | " – " | |
| 18 | P19062 | Connector, JIC - Pipe | 2 | " – " | |
| 19 | P12969 | Connector, JIC - Pipe | 1 | " – " | |
| 20 | P19246 | Connector, JIC - Pipe | 2 | " – " | |
| 21 | P17804 | Connector, JIC - Pipe | 4 | " – " | |
| 22 | P18944 | Connector, O-Ring | 4 | " – " | |
| 23 | P18964 | Connector, O-Ring | 2 | " – " | |
| 24 | P18948 | Connector, Bulkhead | 4 | " – " | |
| 25 | P19415 | Connector, O-Ring | 1 | " – " | |
| 26 | P19478 | Connector, O-Ring | 1 | " – " | |
| 27 | P10103 | Reducer Bushing | 2 | " – " | |
| 28 | P18957 | 90° Elbow, Swivel | 6 | " – " | |
| 29 | P18959 | 90° Elbow, Union | 8 | " – " | |
| 30 | P17808 | 90° Elbow, JIC - Pipe | 1 | " – " | |
| 31 | P19055 | 90° Elbow, O-Ring | 3 | " – " | |
| 32 | P17806 | 45° Elbow, Swivel | 1 | " – " | |
| 33 | P18947 | 45° Elbow, Bulkhead | 4 | " – " | |
| 34 | P10197 | Tee, Pipe | 1 | " – " | |
| 35 | P18925 | Tee, Female Run | 1 | " – " | |
| 36 | P18958 | Tee, O-Ring | 3 | " – " | |
| 37 | P19240 | Hose, Hyd. | 1 | " – " | .25" x 7" |
| 38 | P21361 | Hose, Hyd. | 1 | " – " | .25" x 19" |
| 39 | P18893 | Hose, Hyd. | 1 | " – " | .25" x 22" |
| 40 | P19078 | Hose, Hyd. | 1 | " – " | .38" x 21" |
| 41 | P18856 | Hose, Hyd. | 1 | " – " | .38" x 45" |
| 42 | P21365 | Hose, Hyd. | 1 | " – " | .38" x 67" |
| 43 | P21344 | Hose, Hyd. | 1 | " – " | .38" x 87" |
| 44 | P29253 | Hose, Hyd. | 4 | " – " | .38" x 99" Replaces Twin Hose. For repair, replace all four hoses. |
| 45 | P20989 | Hose, Hyd. | 1 | " – " | .38" x 133" |
| 46 | P20988 | Hose, Hyd. | 1 | " – " | .38" x 152" |
| 47 | P28620 | Hose, Hyd. | 1 | " – " | .62" x 131" Replaces 3/4" Hose |
| 48 | P20990 | Hose, Hyd. | 2 | " – " | .38" x 253" |
| 49 | P28621 | Hose, Hyd. | 2 | " – " | .62" x 146" Replaces 3/4" Hose |
| 50 | P28622 | Hose, Hyd. | 2 | " – " | .62" x 246" Replaces 3/4" Hose |
| 51 | P18970 | Tube, Hyd. | 4 | " – " | .38" O.D. |
| 52 | P20451 | Tube, Hyd. | 4 | " – " | .38" O.D. |

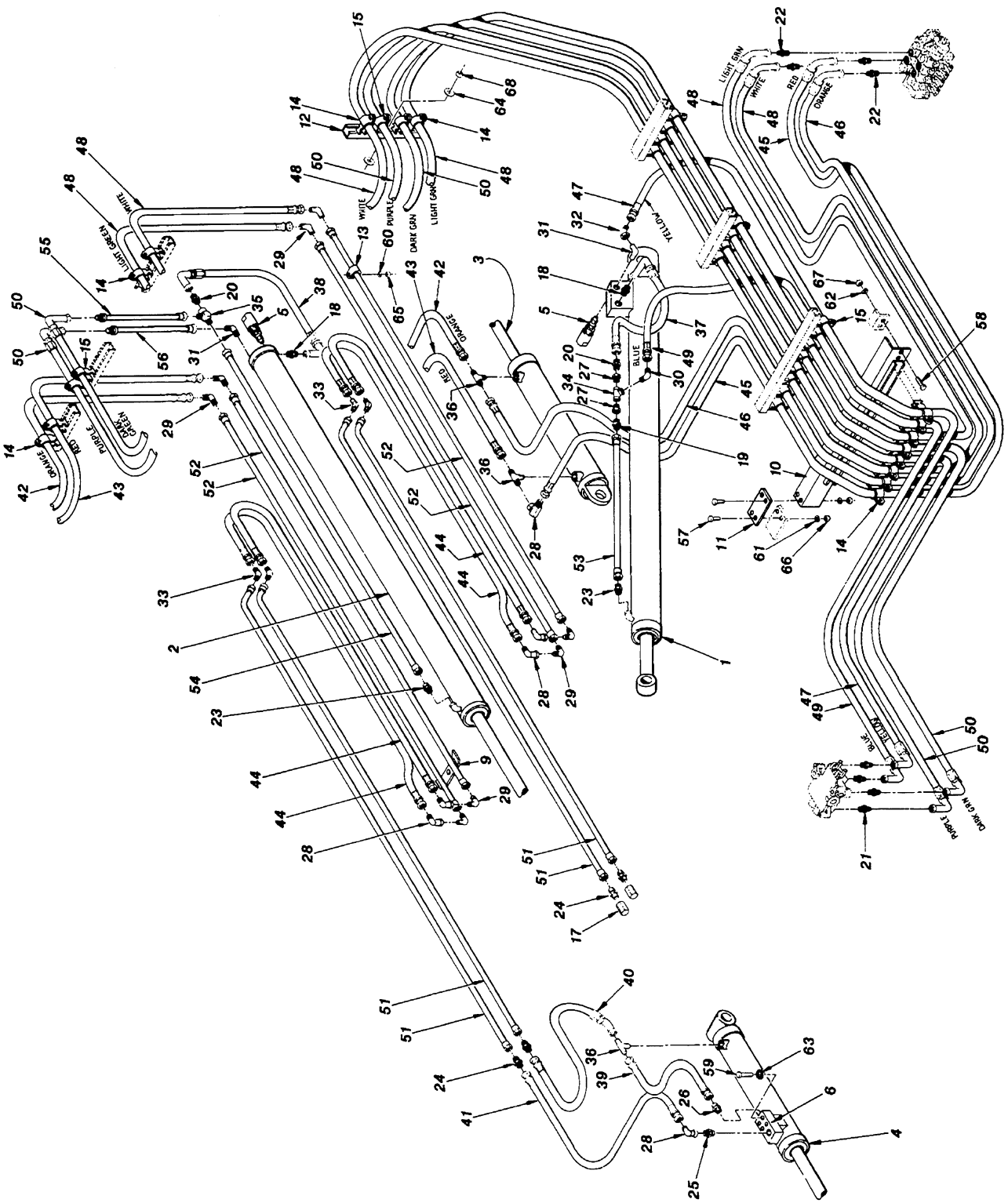



**Figure 18357-1**

## 18357-1 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 53 | P21384 | Tube, Hyd. | 1 | " – " | .62" O.D. |
| 54 | P21331 | Tube, Hyd. | 1 | " – " | .62" O.D. |
| 55 | P18971 | Tube, Hyd. | 1 | " – " | .62" O.D. |
| 56 | P18972 | Tube, Hyd. | 1 | " – " | .75" O.D. |
| 57 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 58 | P00403 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1 1/4" |
| 59 | P00109 | Bolt, Hx. | 4 | " – " | 5/16"-18 x 2 1/4" |
| 60 | P01309 | Lockwasher | 4 | " – " | 5/16" |
| 61 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 62 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 63 | P01358 | Starwasher | 4 | " – " | 5/16" |
| 64 | P01404 | Flatwasher | 2 | " – " | 3/8" |
| 65 | P01507 | Nut, Hx. | 5 | " – " | 5/16"-18 |
| 66 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 67 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 68 | P01681 | Locknut, Hx. | 1 | " – " | 3/8"-24 |

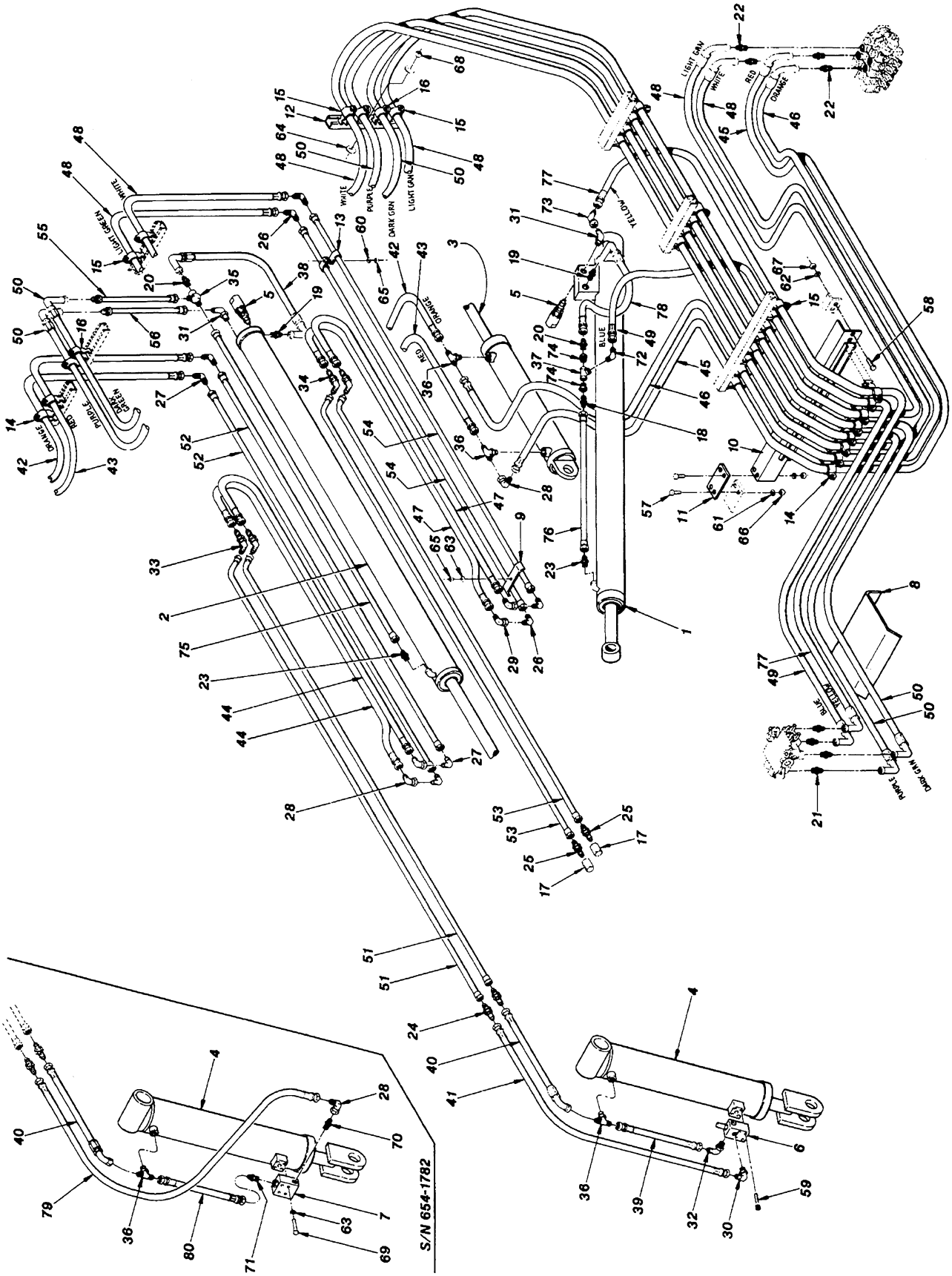



**Figure 18357-2**

## 18357-2 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P24745 | Cylinder, Hoist | 1 | 761 – 1899 | |
| | P19936 | Cylinder, Hoist | 1 | 101 – 760 | |
| 2 | 25680A | Cylinder, Boom Extension | 1 | 761 – 1899 | |
| | P19939 | Cylinder, Boom Extension | 1 | 101 – 760 | |
| 3 | P24738 | Cylinder, Tilt | 1 | 761 – 1899 | Rear Carriage |
| | P19940 | Cylinder, Tilt | 1 | 101 – 760 | Rear Carriage |
| 4 | P24739 | Cylinder,Tilt | 1 | 761 – 1899 | |
| | P19941 | Cylinder, Tilt | 1 | 101 – 760 | Front Carriage |
| 5 | P19064 | Valve, Counterbalance | 2 | 654 – 1899 | Seal Kit, P21488 |
| 6 | P31427 | Valve, Counterbalance | 1 | 654 – 1899 | Replaces P26325. Seal Kit, P40490 |
| 7 | P17686 | Valve, Counterbalance | 1 | 654 – 1782 only | Seal Kit, P21486 |
| 8 | 18025A | Guard, Hose | 1 | 823 – 1899 | |
| 9 | 18273A | Clamp, Tube | 2 | 654 – 1899 | |
| 10 | 18541B | Support, Hose | 1 | " – " | |
| 11 | 18548A | Bar, Hose Support | 1 | " – " | |
| 12 | 18652B | Channel, Hose Clamp | 1 | " – " | |
| 13 | P17554 | Clamp, Hyd. Tube | 8 | " – " | |
| 14 | P20465 | Clamp, Hyd. Hose | 6 | " – " | For 3/8" Hose |
| 15 | P20468 | Clamp, Hyd. Hose | 12 | " – " | For 1/2" Hose |
| 16 | P20486 | Clamp, Hyd. Hose | 16 | " – " | For 3/4" Hose |
| 17 | P21627 | Cap, Hex | 2 | " – " | |
| 18 | P12969 | Connector, JIC - Pipe | 1 | " – " | |
| 19 | P19062 | Connector, JIC - Pipe | 2 | " – " | |
| 20 | P19246 | Connector, JIC - Pipe | 2 | " – " | |
| 21 | P17804 | Connector, JIC - Pipe | 4 | " – " | |
| 22 | P18944 | Connector, O-Ring | 4 | " – " | |
| 23 | P18964 | Connector, O-Ring | 2 | " – " | |
| 24 | P18948 | Connector, Bulkhead | 2 | " – " | |
| 25 | P21578 | Connector, Bulkhead | 2 | " – " | |
| 26 | P17907 | 90° Elbow, Union | 4 | " – " | |
| 27 | P18959 | 90° Elbow, Union | 4 | " – " | |
| 28 | P18957 | 90° Elbow, Swivel | 3 | " – " | |
| 29 | P21579 | 90° Elbow, Swivel | 2 | " – " | |
| 30 | P18935 | 90° Elbow, O-Ring | 1 | " – " | |
| 31 | P19055 | 90° Elbow, O-Ring | 2 | " – " | |
| 32 | P21919 | 90° Elbow, O-Ring | 1 | " – " | |
| 33 | P18947 | 45° Elbow, Bulkhead | 2 | " – " | |
| 34 | P21580 | 45° Elbow, Bulkhead | 2 | " – " | |
| 35 | P18925 | Tee, Female Run | 1 | " – " | |
| 36 | P18958 | Tee, O-Ring | 3 | " – " | |
| 37 | P10197 | Tee, Pipe | 1 | " – " | |
| 38 | P21361 | Hose, Hyd. | 1 | " – " | .25" x 19" |
| 39 | P18893 | Hose, Hyd. | 1 | " – " | .25" x 22" |
| 40 | P19078 | Hose, Hyd. | 1 | " – " | .38" x 21" |
| 41 | P18857 | Hose, Hyd. | 1 | " – " | .38" x 43" |
| 42 | P21365 | Hose, Hyd. | 1 | " – " | .38" x 67" |
| 43 | P21344 | Hose, Hyd. | 1 | " – " | .38" x 87" |
| 44 | P29253 | Hose, Hyd. | 2 | " – " | .38" x 99" Replaces Twin Hose. Purchase Items 44 & 47 for Repair. |
| 45 | P20989 | Hose, Hyd. | 1 | " – " | .38" x 133" |

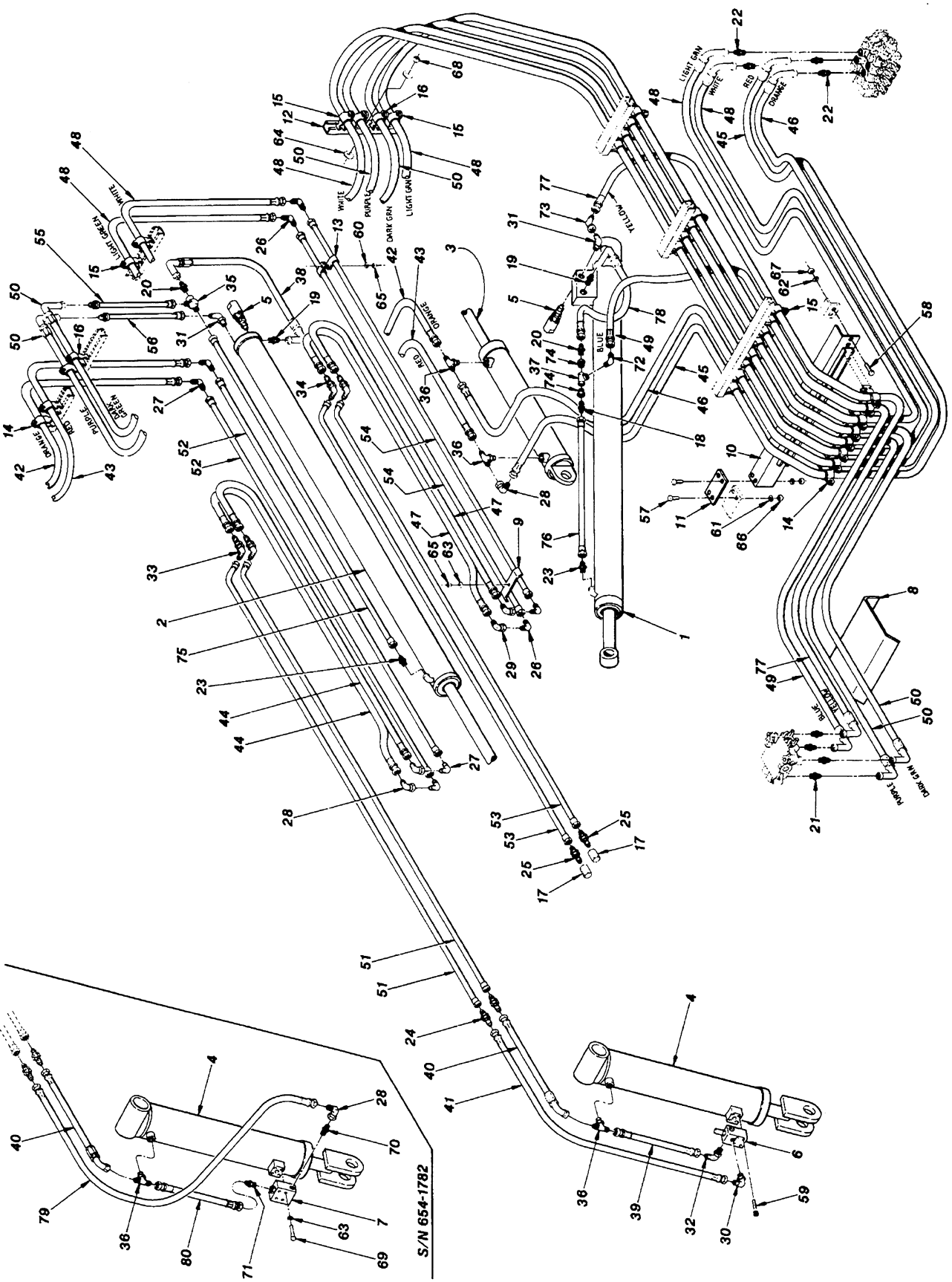



**Figure 18357-2**

## 18357-2 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 46 | P20988 | Hose, Hyd. | 1 | " – " | .38" x 152" |
| 47 | P29254 | Hose, Hyd. | 2 | " – " | .50" x 99" Replaces Twin Hose. Purchase Items 44 & 47 for Repair. |
| 48 | P21624 | Hose, Hyd. | 1 | " – " | .50" x 255" (Lt. Green) |
| | P29252 | Hose, Hyd. | 1 | " – " | .50" x 261" (White) |
| 49 | P28621 | Hose, Hyd. | 1 | " – " | .62" x 146" Replaces 3/4" Hose. |
| 50 | P28622 | Hose, Hyd. | 2 | " – " | .62" x 246" Replaces 3/4" Hose. |
| 51 | P18970 | Tube, Hyd. | 2 | " – " | .38" O.D. |
| 52 | P24715 | Tube, Hyd. | 2 | 761 – 1899 | .38" O.D. |
| | P20451 | Tube, Hyd. | 2 | 101 – 160 | .38" O.D. |
| 53 | P21599 | Tube, Hyd. | 2 | 654 – 1899 | .50" O.D. |
| 54 | P24716 | Tube, Hyd. | 2 | 761 – 1899 | .50" O.D. |
| | P21501 | Tube, Hyd. | 2 | 654 – 760 | .50" O.D. |
| 55 | P18971 | Tube, Hyd. | 1 | 654 – 1899 | .62" O.D. |
| 56 | P18972 | Tube, Hyd. | 1 | " – " | .75" O.D. |
| 57 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 58 | P00403 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1 1/4" |
| 59 | P01791 | Bolt, Socket Hd. | 4 | " – " | 5/16"-18 x 2 1/4" |
| 60 | P01309 | Lockwasher | 4 | " – " | 5/16" |
| 61 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 62 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 63 | P01358 | Starwasher | 2 | " – " | 5/16" |
| 64 | P01404 | Flatwasher | 2 | " – " | 3/8" |
| 65 | P01507 | Nut, Hx. | 6 | " – " | 5/16"-18 |
| 66 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 67 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 68 | P01681 | Locknut, Hx. | 1 | " – " | 3/8"-24 |
| 69 | P00109 | Bolt, Hx. | 4 | 654 – 1782 | 5/16"-18 x 2 1/4" |
| 70 | P19415 | Connector, O-Ring | 1 | 654 – 1782 | |
| 71 | P19478 | Connector, O-Ring | 1 | 654 – 1782 | |
| 72 | P17808 | 90° Elbow, JIC - Pipe | 1 | 654 – 1899 | |
| 73 | P17806 | 45° Elbow, Swivel | 1 | " – " | |
| 74 | P10103 | Reducer Bushing | 2 | " – " | |
| 75 | P21331 | Tube, Hyd. | 1 | " – " | .62" O.D. |
| 76 | P21384 | Tube, Hyd. | 1 | " – " | .62" O.D. |
| 77 | P28620 | Hose, Hyd. | 1 | " – " | .62" x 131" |
| 78 | P19249 | Hose, Hyd. | 1 | " – " | .25" x 7" |
| 79 | P18856 | Hose, Hyd. | 1 | 654 – 1782 | .38" x 46" |
| 80 | P18893 | Hose, Hyd. | 1 | 654 – 1782 | .25" x 22" |

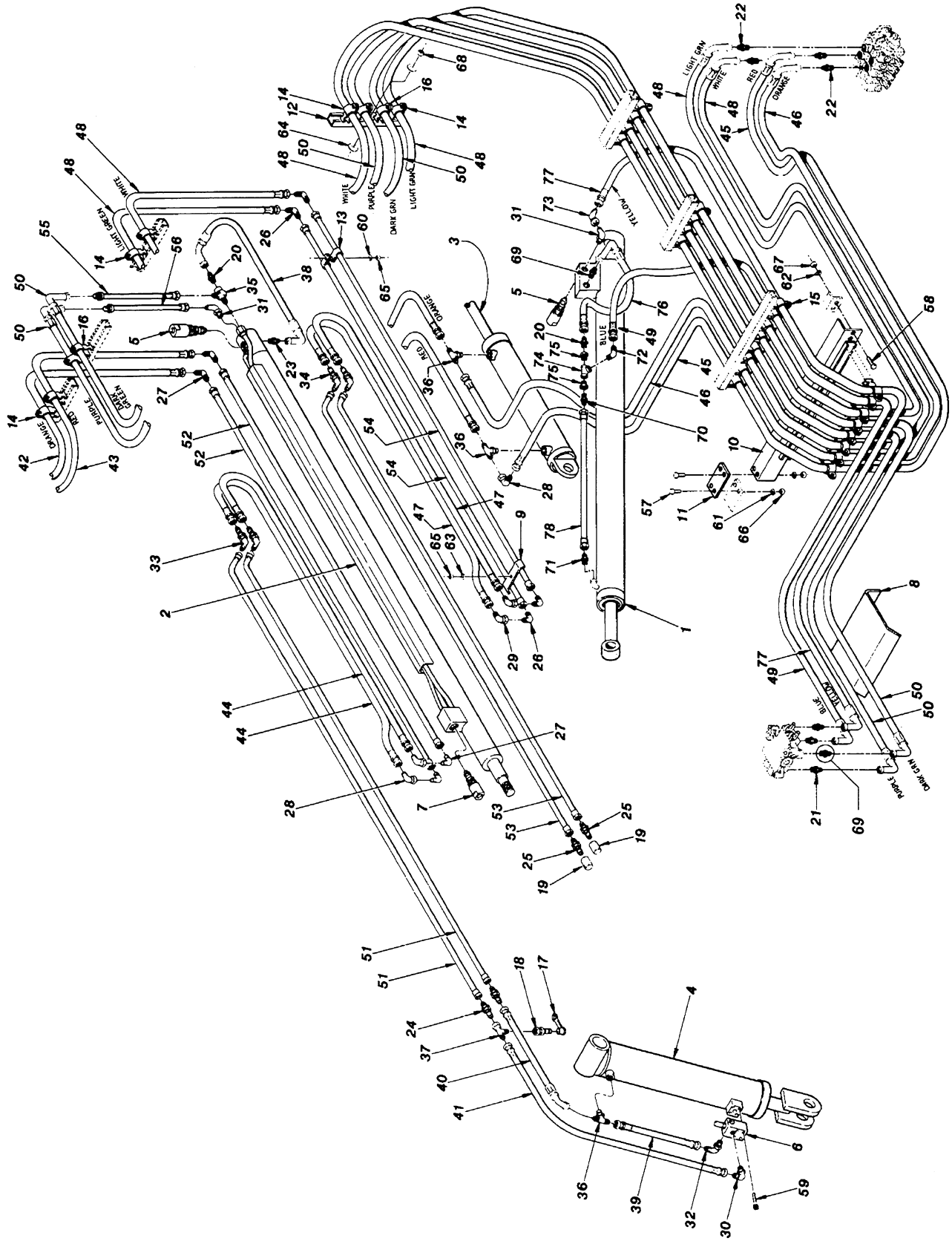



**Figure 18357-3**

## 18357-3 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P24745 | Cylinder, Hoist | 1 | 1900 – 2175 | |
| 2 | P27570 | Cylinder, Boom Extension | 1 | 1992 – 2175 | |
| | 25678A | Cylinder, Boom Extension | 1 | 1900 – 1992 | |
| 3 | P24738 | Cylinder, Tilt | 1 | 1900 – 2175 | Rear Carriage |
| 4 | P24739 | Cylinder, Tilt | 1 | 1900 – 2175 | Front Carriage |
| 5 | P19064 | Valve, Counterbalance | 2 | 1900 – 2175 | Seal Kit, P21488 |
| 6 | P31427 | Valve, Counterbalance | 1 | 1900 – 2175 | Replaces P26325. Seal Kit, P40490 |
| 7 | P26335 | Valve, Counterbalance | 1 | 1992 – 2175 | Seal Kit, P21487 |
| | P27611 | Valve, Counterbalance | 1 | 1900 – 1992 | |
| 8 | 18025A | Guard, Hose | 1 | 1900 – 2175 | |
| 9 | 18273A | Clamp, Tube | 2 | " – " | |
| 10 | 18541B | Support, Hose | 1 | " – " | |
| 11 | 18548A | Bar, Hose Support | 1 | " – " | |
| 12 | 18652B | Channel, Hose Clamp | 1 | " – " | |
| 13 | P17554 | Clamp, Hydraulic Tube | 8 | " – " | |
| 14 | P20465 | Clamp, Hydraulic Hose | 6 | " – " | For 3/8" Hose |
| 15 | P20468 | Clamp, Hydraulic Hose | 12 | " – " | For 1/2" Hose |
| 16 | P20486 | Clamp, Hydraulic Hose | 16 | " – " | For 3/4" Hose |
| 17 | P27805 | Dust Cap | 1 | " – " | |
| 18 | P27379 | Nipple, Pressure Check | 1 | " – " | |
| 19 | P21627 | Cap, Hex | 2 | " – " | |
| 20 | P19246 | Connector, JIC - Pipe | 2 | " – " | |
| 21 | P17805 | Connector, O-Ring | 4 | 1965 – 2175 | |
| | P17804 | Connector, O-Ring | 4 | 101 – 1964 | |
| 22 | P18944 | Connector, O-Ring | 4 | 1900 – 2175 | |
| 23 | P18960 | Connector, O-Ring | 1 | " – " | |
| 24 | P18948 | Connector, Bulkhead | 2 | " – " | |
| 25 | P21578 | Connector, Bulkhead | 2 | " – " | |
| 26 | P17907 | 90° Elbow, Union | 4 | " – " | |
| 27 | P18959 | 90° Elbow, Union | 4 | " – " | |
| 28 | P18957 | 90° Elbow, Swivel | 3 | " – " | |
| 29 | P21579 | 90° Elbow, Swivel | 2 | " – " | |
| 30 | P18935 | 90° Elbow, O-Ring | 1 | " – " | |
| 31 | P19055 | 90° Elbow, O-Ring | 2 | " – " | |
| 32 | P21919 | 90° Elbow, O-Ring | 1 | " – " | |
| 33 | P18947 | 45° Elbow, Bulkhead | 2 | " – " | |
| 34 | P21580 | 45° Elbow, Bulkhead | 2 | " – " | |
| 35 | P18925 | Tee, Female Run | 1 | " – " | |
| 36 | P18958 | Tee, O-Ring | 3 | " – " | |
| 37 | P19412 | Tee, Swivel | 1 | " – " | |
| 38 | P21361 | Hose, Hyd. | 1 | " – " | .25" x 19" |
| 39 | P18893 | Hose, Hyd. | 1 | " – " | .25" x 22" |
| 40 | P19078 | Hose, Hyd. | 1 | " – " | .38 x 21" |
| 41 | P18857 | Hose, Hyd. | 1 | " – " | .38" x 43" |
| 42 | P21365 | Hose, Hyd. | 1 | " – " | .38" x 67" |
| 43 | P21344 | Hose, Hyd. | 1 | " – " | .38" x 87" |
| 44 | P29253 | Hose, Hyd. | 2 | " – " | .38" x 99" Replaces Twin Hose. Purchase Items 44 & 47 for Repair. |
| 45 | P20989 | Hose, Hyd. | 1 | " – " | .38" x 133" |
| 46 | P20988 | Hose, Hyd. | 1 | " – " | .38" x 152" |

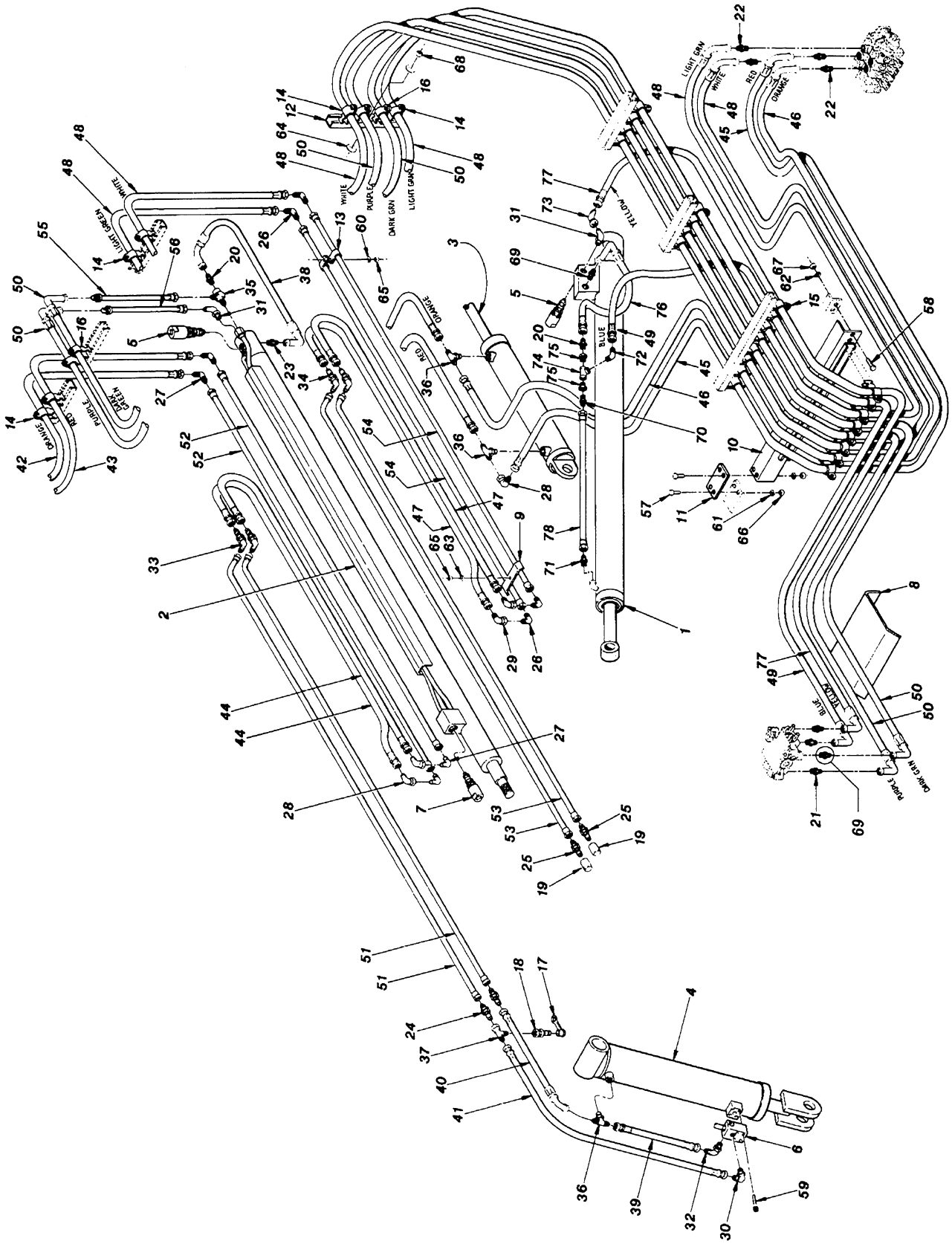



**Figure 18357-3**

## 18357-3 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 47 | P29254 | Hose, Hyd. | 2 | " – " | .50" x 99" Replaces Twin Hose. Purchase Items 44 & 47 for Repair. |
| 48 | P21624 | Hose, Hyd. | 1 | " – " | .50" x 255" (Lt. Green) |
| | P29252 | Hose, Hyd. | 1 | " – " | .50" x 261" (White) |
| 49 | P28621 | Hose, Hyd. | 1 | " – " | .62" x 146" Replaces 3/4" Hose. |
| 50 | P28622 | Hose, Hyd. | 2 | " – " | .62" x 246" Replaces 3/4" Hose. |
| 51 | P18970 | Tube, Hyd. | 2 | " – " | .38" O.D. |
| 52 | P24715 | Tube, Hyd. | 2 | " – " | .38" O.D. |
| 53 | P21599 | Tube, Hyd. | 2 | " – " | .50" O.D. |
| 54 | P24716 | Tube, Hyd. | 2 | " – " | .50" O.D. |
| 55 | P18971 | Tube, Hyd. | 1 | " – " | .62" O.D. |
| 56 | P18972 | Tube, Hyd. | 1 | " – " | .75" O.D. |
| 57 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 58 | P00403 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1 1/4" |
| 59 | P01791 | Bolt, Socket Hd. | 4 | " – " | 5/16"-18 x 2 1/4" |
| 60 | P01309 | Lockwasher | 4 | " – " | 5/16" |
| 61 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 62 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 63 | P01358 | Starwasher | 2 | " – " | 5/16" |
| 64 | P01404 | Flatwasher | 2 | " – " | 3/8" |
| 65 | P01507 | Nut, Hx. | 6 | " – " | 5/16"-18 |
| 66 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 67 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 68 | P01681 | Locknut, Hx. | 1 | " – " | 3/8"-24 |
| 69 | 25457A | Orifice Adapter | 1 | 1993 – 2175 | |
| | 25694A | Orifice Adapter | 1 | 1965 – 1992 | |
| | 25320A | Orifice Adapter | 1 | 1900 – 1964 | |
| 70 | P12969 | Connector, JIC - Pipe | 1 | 1900 – 2175 | |
| 71 | P18964 | Connector, O-Ring | 1 | " – " | |
| 72 | P17808 | 90° Elbow, JIC - Pipe | 1 | " – " | |
| 73 | P17806 | 45° Elbow, Swivel | 1 | " – " | |
| 74 | P10197 | Tee, Pipe | 1 | " – " | |
| 75 | P10103 | Bushing, Reducer | 2 | " – " | |
| 76 | P19249 | Hose, Hyd. | 1 | " – " | .25" x 7" |
| 77 | P28620 | Hose, Hyd. | 1 | " – " | .62" x 131" Replaces 3/4" Hose. |
| 78 | P21384 | Tube, Hyd. | 1 | " – " | .62" O.D. |

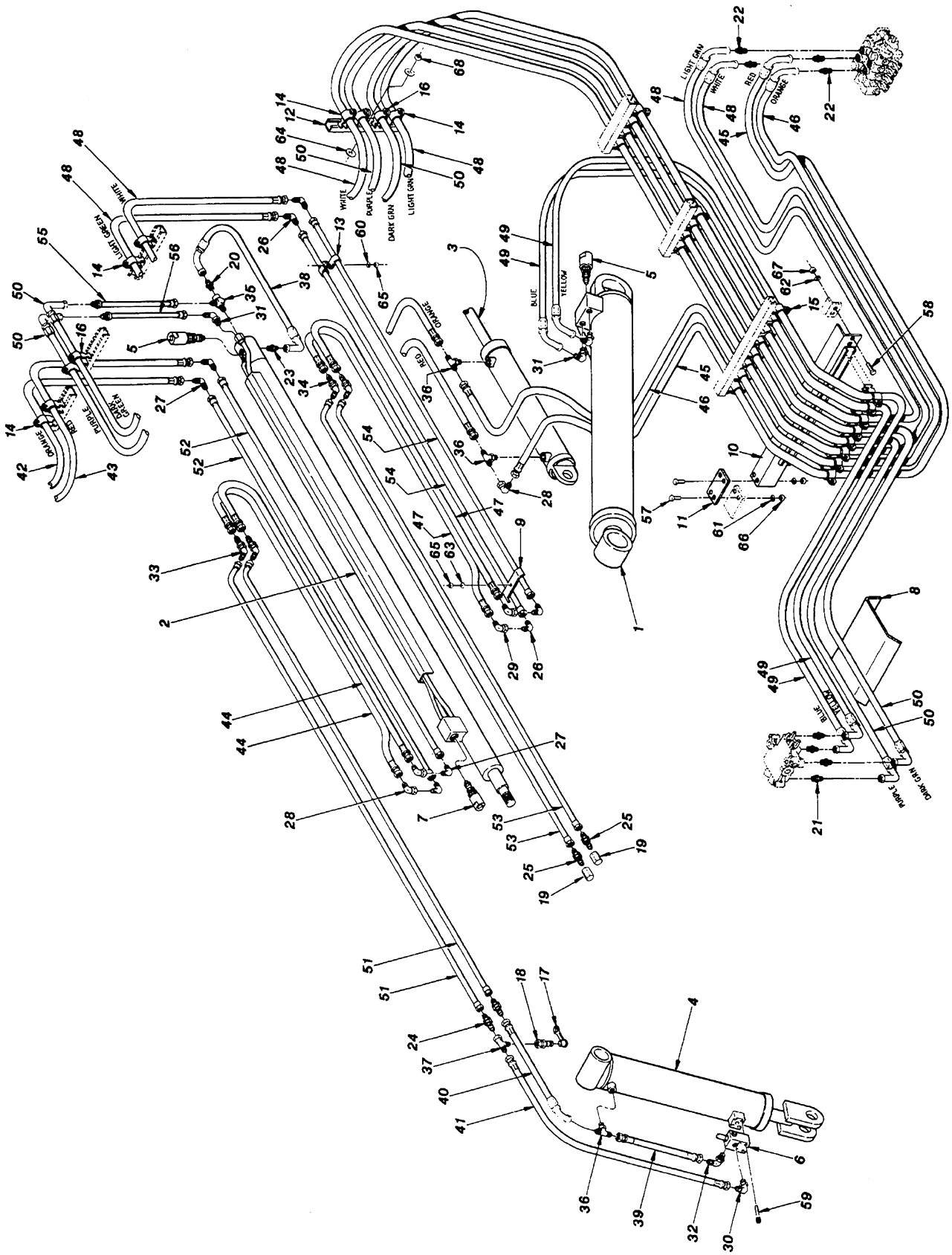



**Figure 18357-4**

## 18357-4 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P27780 | Cylinder, Hoist | 1 | 2176 – 2564 | |
| 2 | P27570 | Cylinder, Boom Extension | 1 | " – " | |
| 3 | P24738 | Cylinder, Tilt | 1 | " – " | Rear Carriage |
| 4 | P24739 | Cylinder, Tilt | 1 | " – " | Front Carriage |
| 5 | P19064 | Valve, Counterbalance | 2 | " – " | Seal Kit, P21488 |
| 6 | P31427 | Valve, Counterbalance | 1 | " – " | Replaces P26325. Seal Kit, P40490 |
| 7 | P26335 | Valve, Counterbalance | 1 | " – " | Seal Kit, P21487 |
| 8 | 18025A | Guard, Hose | 1 | " – " | |
| 9 | 18273A | Clamp, Tube | 2 | " – " | |
| 10 | 18541B | Support, Hose | 1 | " – " | |
| 11 | 18548A | Bar, Hose Support | 1 | " – " | |
| 12 | 18652B | Channel, Hose Clamp | 1 | " – " | |
| 13 | P17554 | Clamp, Hydraulic Tube | 8 | " – " | |
| 14 | P20465 | Clamp, Hydraulic Hose | 6 | " – " | For 3/8" Hose |
| 15 | P20468 | Clamp, Hydraulic Hose | 12 | " – " | For 1/2" Hose |
| 16 | P20486 | Clamp, Hydraulic Hose | 16 | " – " | For 3/4" Hose |
| 17 | P27805 | Dust Cap | 1 | " – " | |
| 18 | P27379 | Nipple, Pressure Check | 1 | " – " | |
| 19 | P21627 | Cap, Hex | 2 | " – " | |
| 20 | P19246 | Connector, JIC - Pipe | 1 | " – " | |
| 21 | P17805 | Connector, O-Ring | 4 | " – " | |
| 22 | P18944 | Connector, O-Ring | 4 | " – " | |
| 23 | P18960 | Connector, O-Ring | 1 | " – " | |
| 24 | P18948 | Connector, Bulkhead | 2 | " – " | |
| 25 | P21578 | Connector, Bulkhead | 2 | " – " | |
| 26 | P17907 | 90° Elbow, Union | 4 | " – " | |
| 27 | P18959 | 90° Elbow, Union | 4 | " – " | |
| 28 | P18957 | 90° Elbow, Swivel | 3 | " – " | |
| 29 | P21579 | 90° Elbow, Swivel | 2 | " – " | |
| 30 | P18935 | 90° Elbow, O-Ring | 1 | " – " | |
| 31 | P19055 | 90° Elbow, O-Ring | 3 | " – " | |
| 32 | P21919 | 90° Elbow, O-Ring | 1 | " – " | |
| 33 | P18947 | 45° Elbow, Bulkhead | 2 | " – " | |
| 34 | P21580 | 45° Elbow, Bulkhead | 2 | " – " | |
| 35 | P18925 | Tee, Female Run | 1 | " – " | |
| 36 | P18958 | Tee, O-Ring | 3 | " – " | |
| 37 | P19412 | Tee, Swivel | 1 | " – " | |
| 38 | P21361 | Hose, Hyd. | 1 | " – " | .25" x 19" |
| 39 | P18893 | Hose, Hyd. | 1 | " – " | .25" x 22" |
| 40 | P19078 | Hose, Hyd. | 1 | " – " | .38" x 21" |
| 41 | P18857 | Hose, Hyd. | 1 | " – " | .38" x 43" |
| 42 | P21365 | Hose, Hyd. | 1 | " – " | .38" x 67" |
| 43 | P21344 | Hose, Hyd. | 1 | " – " | .38" x 87" |
| 44 | P29253 | Hose, Hyd. | 2 | " – " | .38" x 99" Replaces Twin Hose. Purchase Items 44 & 47 for Repair. |
| 45 | P20989 | Hose, Hyd. | 1 | " – " | .38" x 133" |
| 46 | P20988 | Hose, Hyd. | 1 | " – " | .38" x 152" |
| 47 | P29254 | Hose, Hyd. | 2 | " – " | .50" x 99" Replaces Twin Hose. Purchase Items 44 & 47 for Repair. |
| 48 | P21624 | Hose, Hyd. | 1 | " – " | .50" x 255" (Lt. Green) |

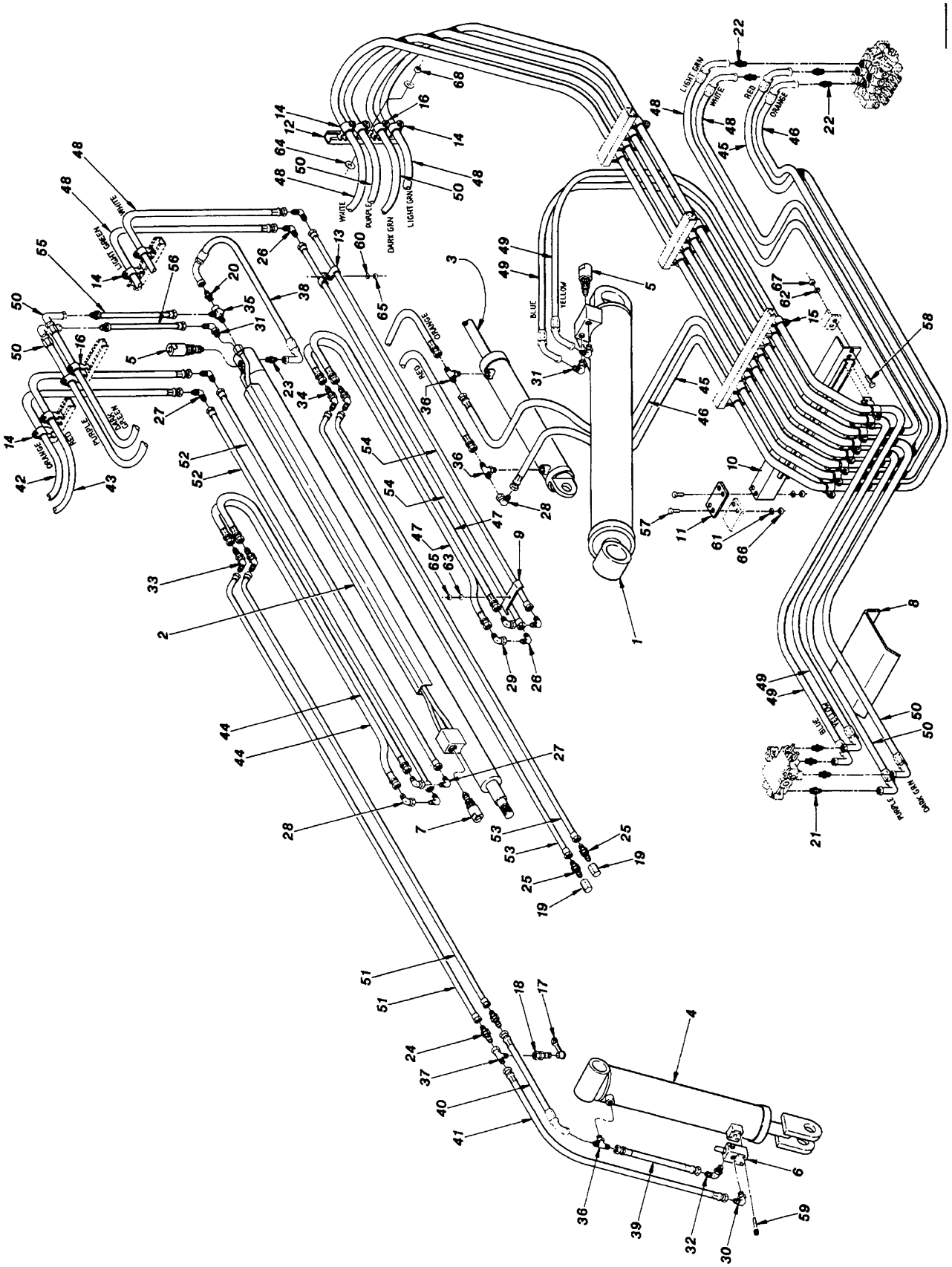



**Figure 18357-4**

## 18357-4 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| | P29252 | Hose, Hyd. | 1 | " – " | .50" x 261" (White) |
| 49 | P28621 | Hose, Hyd. | 2 | " – " | .62" x 146" Replaces 3/4" Hose. |
| 50 | P28622 | Hose, Hyd. | 2 | " – " | .62" x 246" Replaces 3/4" Hose. |
| 51 | P18970 | Tube, Hyd. | 2 | " – " | .38" O.D. |
| 52 | P24715 | Tube, Hyd. | 2 | " – " | .38" O.D. |
| 53 | P21599 | Tube, Hyd. | 2 | " – " | .50" O.D. |
| 54 | P24716 | Tube, Hyd. | 2 | " – " | .50" O.D. |
| 55 | P18971 | Tube, Hyd. | 1 | " – " | .62" O.D. |
| 56 | P18972 | Tube, Hyd. | 1 | " – " | .75" O.D. |
| 57 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 58 | P00403 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1 1/4" |
| 59 | P01791 | Bolt, Socket Hd. | 4 | " – " | 5/16"-18 x 2 1/4" |
| 60 | P01309 | Lockwasher | 4 | " – " | 5/16" |
| 61 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 62 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 63 | P01358 | Starwasher | 2 | " – " | 5/16" |
| 64 | P01404 | Flatwasher | 2 | " – " | 3/8" |
| 65 | P01507 | Nut, Hx. | 6 | " – " | 5/16"-18 |
| 66 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 67 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 68 | P01681 | Locknut, Hx. | 1 | " – " | 3/8"-24 |

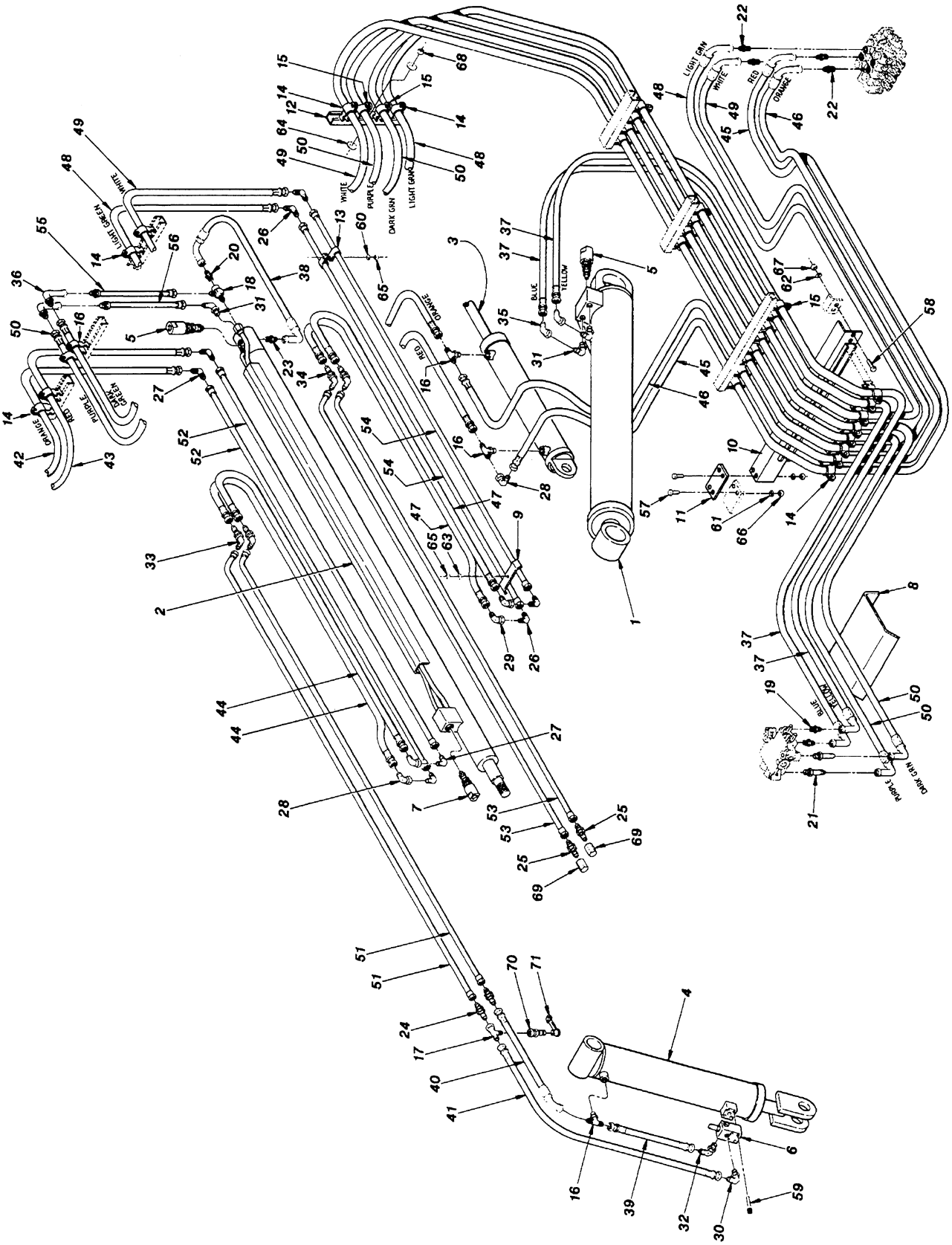



**Figure 18357-5**

## 18357-5 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P27780 | Cylinder, Hoist | 1 | 2565 – | |
| 2 | P27570 | Cylinder, Boom Extension | 1 | " – " | |
| 3 | P24738 | Cylinder, Tilt | 1 | " – " | Rear Carriage |
| 4 | P24739 | Cylinder, Tilt | 1 | " – " | Front Carriage |
| 5 | P19064 | Valve, Counterbalance | 2 | " – " | Seal Kit, P21488 |
| 6 | P31427 | Valve, Counterbalance | 1 | " – " | Replaces P26325. Seal Kit, P40490 |
| 7 | P26335 | Valve, Counterbalance | 1 | " – " | Seal Kit, P21487 |
| 8 | 18025A | Guard, Hose | 1 | " – " | |
| 9 | 18273A | Clamp, Tube | 2 | " – " | |
| 10 | 18541B | Support, Hose | 1 | " – " | |
| 11 | 18548A | Bar, Hose Support | 1 | " – " | |
| 12 | 18652B | Channel, Hose Clamp | 1 | " – " | |
| 13 | P17554 | Clamp, Hydraulic Tube | 8 | " – " | |
| 14 | P20465 | Clamp, Hydraulic Hose | 18 | " – " | 100075 |
| 15 | P28200 | Clamp, Hydraulic Hose | 16 | " – " | 100100 |
| 16 | P18958 | Tee, O-Ring | 3 | " – " | |
| 17 | P19412 | Tee, Swivel | 1 | " – " | |
| 18 | P18925 | Tee, Female Run | 1 | " – " | |
| 19 | P17805 | Connector, O-Ring | 2 | " – " | |
| 20 | P19246 | Connector, JIC - Pipe | 1 | " – " | |
| 21 | P24614 | Connector, O-Ring | 2 | " – " | Long |
| 22 | P18944 | Connector, O-Ring | 4 | " – " | |
| 23 | P18960 | Connector, O-Ring | 1 | " – " | |
| 24 | P18948 | Connector, Bulkhead | 2 | " – " | |
| 25 | P21578 | Connector, Bulkhead | 2 | " – " | |
| 26 | P17907 | 90° Elbow, Union | 4 | " – " | |
| 27 | P18959 | 90° Elbow, Union | 4 | " – " | |
| 28 | P18957 | 90° Elbow, Swivel | 3 | " – " | |
| 29 | P21579 | 90° Elbow, Swivel | 2 | " – " | |
| 30 | P18935 | 90° Elbow, O-Ring | 1 | " – " | |
| 31 | P21919 | 90° Elbow, O-Ring | 3 | " – " | |
| 32 | P19248 | 90° Elbow, O-Ring | 1 | " – " | |
| 33 | P18947 | 45° Elbow, Bulkhead | 2 | " – " | |
| 34 | P21580 | 45° Elbow, Bulkhead | 2 | " – " | |
| 35 | P21632 | 90° Elbow, Swivel | 2 | " – " | |
| 36 | P27357 | 90° Elbow, Adaptor | 2 | " – " | |
| 37 | P28621 | Hose, Hyd. | 1 | " – " | .62" x 146" |
| 38 | P21361 | Hose, Hyd. | 1 | " – " | .25" x 19" |
| 39 | P18893 | Hose, Hyd. | 1 | " – " | .25" x 22" |
| 40 | P19078 | Hose, Hyd. | 1 | " – " | .38" x 21" |
| 41 | P18857 | Hose, Hyd. | 1 | " – " | .38" x 43" |
| 42 | P21365 | Hose, Hyd. | 1 | " – " | .38" x 67" |
| 43 | P21344 | Hose, Hyd. | 1 | " – " | .38" x 87" |
| 44 | P29253 | Hose, Hyd. | 2 | " – " | .38" x 99" |
| 45 | P20989 | Hose, Hyd. | 1 | " – " | .38" x 133" |
| 46 | P20988 | Hose, Hyd. | 1 | " – " | .38" x 152" |
| 47 | P29254 | Hose, Hyd. | 2 | " – " | .50" x 99" |
| 48 | P21624 | Hose, Hyd. | 1 | " – " | .50" x 255" (Lt. Green) |
| 49 | P29252 | Hose, Hyd. | 1 | " – " | .50" x 261" (White) |
| 50 | P28622 | Hose, Hyd. | 2 | " – " | .62" x 246" |

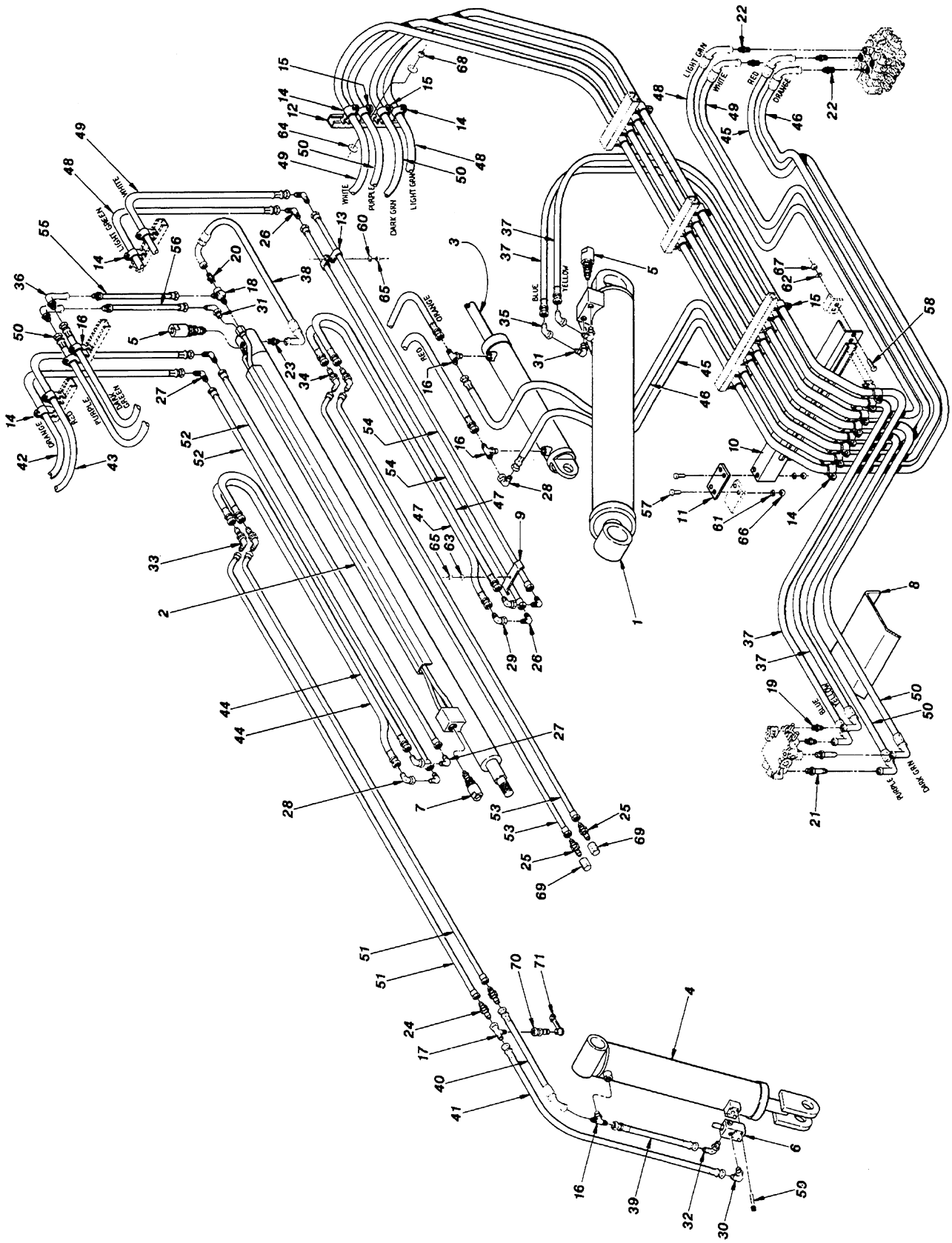



Figure 18357-5

## 18357-5 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 51 | P18970 | Tube, Hyd. | 2 | " – " | .38" O.D. |
| 52 | P24715 | Tube, Hyd. | 2 | " – " | .38" O.D. |
| 53 | P21599 | Tube, Hyd. | 2 | " – " | .50" O.D. |
| 54 | P24716 | Tube, Hyd. | 2 | " – " | .50" O.D. |
| 55 | P18971 | Tube, Hyd. | 1 | " – " | .62" O.D. |
| 56 | P18972 | Tube, Hyd. | 1 | " – " | .75" O.D. |
| 57 | P00205 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1 1/4" |
| 58 | P00403 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1 1/4" |
| 59 | P01791 | Bolt, Socket Hd. | 4 | " – " | 5/16"-18 x 2 1/4" |
| 60 | P01309 | Lockwasher | 4 | " – " | 5/16" |
| 61 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 62 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 63 | P01358 | Starwasher | 2 | " – " | 5/16" |
| 64 | P01404 | Flatwasher | 2 | " – " | 3/8" |
| 65 | P01507 | Nut, Hx. | 6 | " – " | 5/16"-18 |
| 66 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 67 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 68 | P01681 | Locknut, Hx. | 1 | " – " | 3/8"-24 |
| 69 | P21627 | Cap, Hex | 2 | " – " | |
| 70 | P27379 | Nipple, Pressure Check | 1 | " – " | |
| 71 | P27805 | Dust Cap | 1 | " – " | |

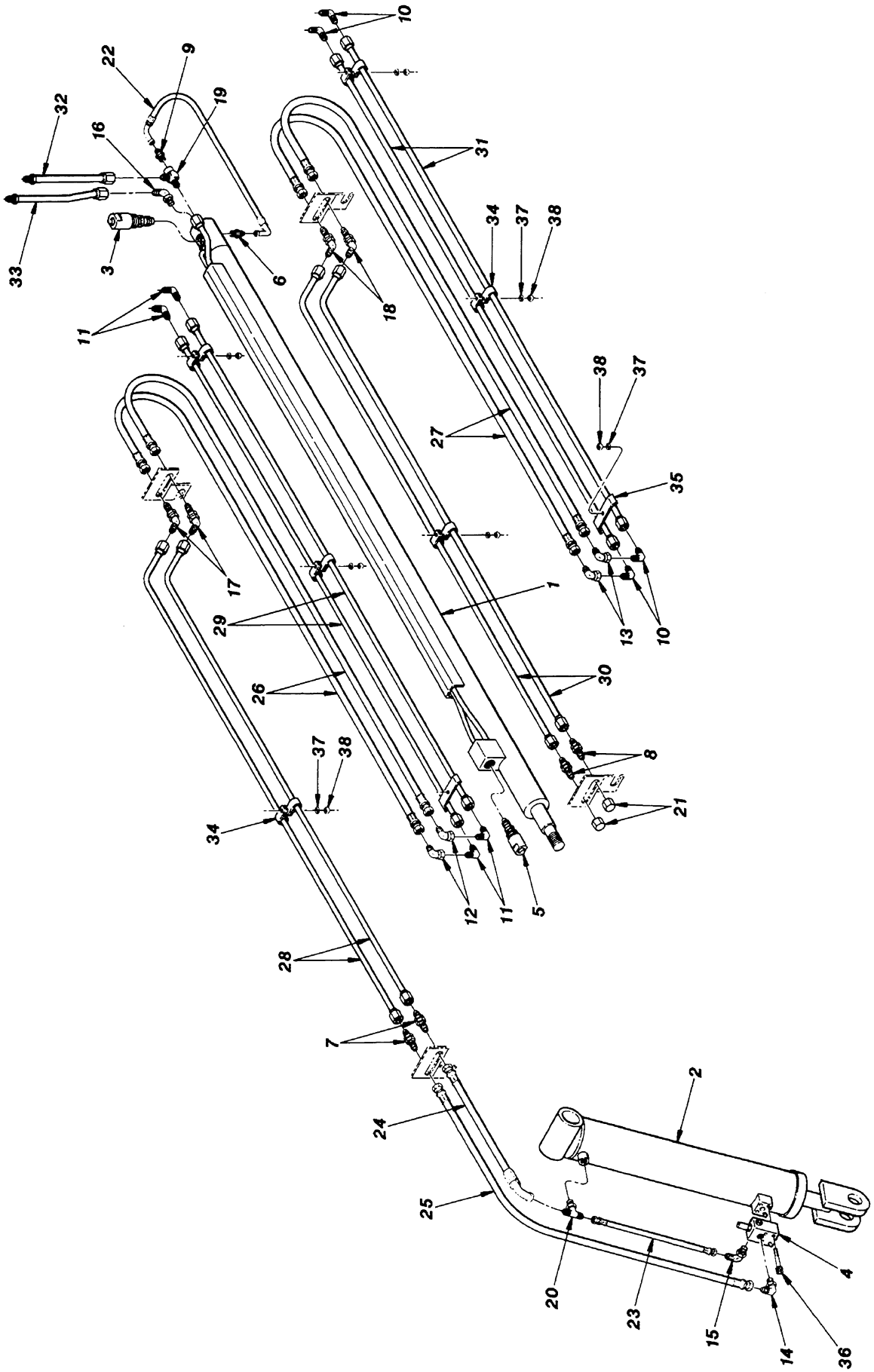



**Figure 18357-6**

## 18357-6

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P27570 | Cylinder, Boom Extension | 1 | 2874 – | |
| 2 | P24739 | Cylinder, Tilt | 1 | " – " | Front Carriage |
| 3 | P19064 | Valve, Counterbalance | 1 | " – " | Seal Kit, P21488 |
| 4 | P31427 | Valve, Counterbalance | 1 | " – " | Replaces P26325. Seal Kit, P40490 |
| 5 | P26335 | Valve, Counterbalance | 1 | " – " | Seal Kit, P21487 |
| 6 | P18960 | Connector, O-Ring | 1 | " – " | |
| 7 | P18948 | Connector, Bulkhead | 2 | " – " | |
| 8 | P21578 | Connector, Bulkhead | 2 | " – " | |
| 9 | P19246 | Connector, JIC-Pipe | 1 | " – " | |
| 10 | P17907 | 90° Elbow, Union | 4 | " – " | |
| 11 | P18959 | 90° Elbow, Union | 4 | " – " | |
| 12 | P18957 | 90° Elbow, Swivel | 2 | " – " | |
| 13 | P21579 | 90° Elbow, Swivel | 2 | " – " | |
| 14 | P18935 | 90° Elbow, O-Ring | 1 | " – " | |
| 15 | P19248 | 90° Elbow, O-Ring | 1 | " – " | |
| 16 | P21919 | 90° Elbow, O-Ring | 1 | " – " | |
| 17 | P18947 | 45° Elbow, Bulkhead | 2 | " – " | |
| 18 | P21580 | 45° Elbow, Bulkhead | 2 | " – " | |
| 19 | P18925 | Tee, JIC-Pipe | 1 | " – " | |
| 20 | P18958 | Tee, O-Ring | 1 | " – " | |
| 21 | P21627 | Cap, Hex | 2 | " – " | |
| 22 | P21361 | Hose, Hyd. | 1 | " – " | .25" x 19" |
| 23 | P18893 | Hose, Hyd. | 1 | " – " | .25" x 22" |
| 24 | P19078 | Hose, Hyd. | 1 | " – " | .38" x 21" |
| 25 | P18857 | Hose, Hyd. | 1 | " – " | .38" x 43" |
| 26 | P29253 | Hose, Hyd. | 2 | " – " | .38" x 102" |
| 27 | P29254 | Hose, Hyd. | 2 | " – " | .50" x 102" |
| 28 | P18970 | Tube, Hyd. | 2 | " – " | .38" O.D. |
| 29 | P24715 | Tube, Hyd. | 2 | " – " | .38" O.D. |
| 30 | P21599 | Tube, Hyd. | 2 | " – " | .50" O.D. |
| 31 | P24716 | Tube, Hyd. | 2 | " – " | .50" O.D. |
| 32 | P18971 | Tube, Hyd. | 1 | " – " | .62" O.D. |
| 33 | P18972 | Tube, Hyd. | 1 | " – " | .75" O.D. |
| 34 | P17554 | Clamp, Hyd. Tube | 8 | " – " | |
| 35 | 18723A | Tube Clamp | 2 | " – " | |
| 36 | P01791 | Bolt, Socket Hd. | 4 | " – " | 5/16"-18 x 2 1/4" |
| 37 | P01309 | Lockwasher | 8 | " – " | 5/16" |
| 38 | P01507 | Nut, Hx. | 8 | " – " | 5/16"-18 |

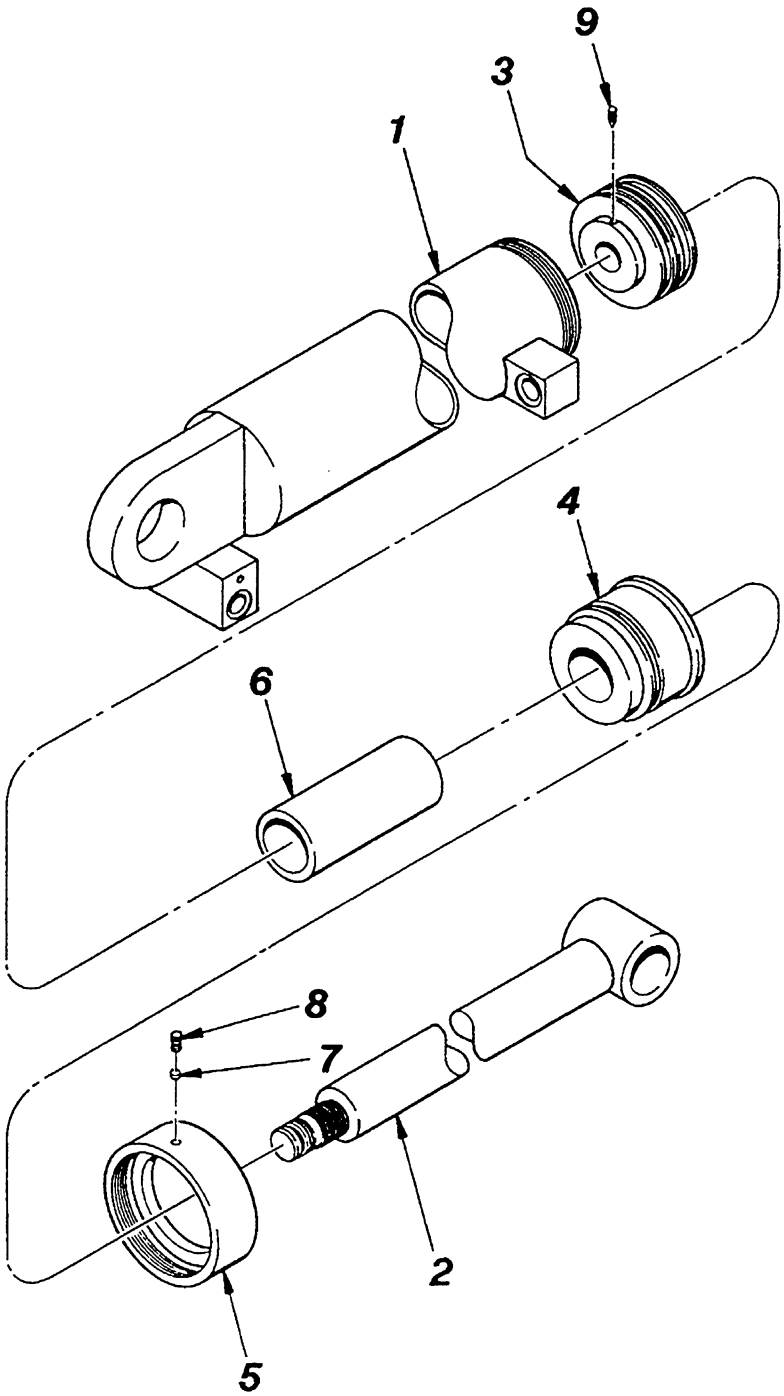



**Figure 18385**

## 18385

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| | P19936 | Cylinder Assembly, Hoist | - | 101 – 760 | Incl. Items 1-8 |
| 1 | P20848 | Barrel Weldment | 1 | " – " | |
| 2 | P20849 | Rod Weldment | 1 | " – " | |
| 3 | P19233 | Piston | 1 | " – " | |
| 4 | P20850 | Rod Bearing | 1 | " – " | |
| 5 | P19227 | Bearing Retainer | 1 | " – " | |
| 6 | P20851 | Stroke Limiter | 1 | " – " | |
| 7 | P19234 | Nut, Lock | 1 | " – " | |
| 8 | P19208 | Set Screw | 1 | " – " | |
| NI | P20825 | Seal Kit | 1 | " – " | |

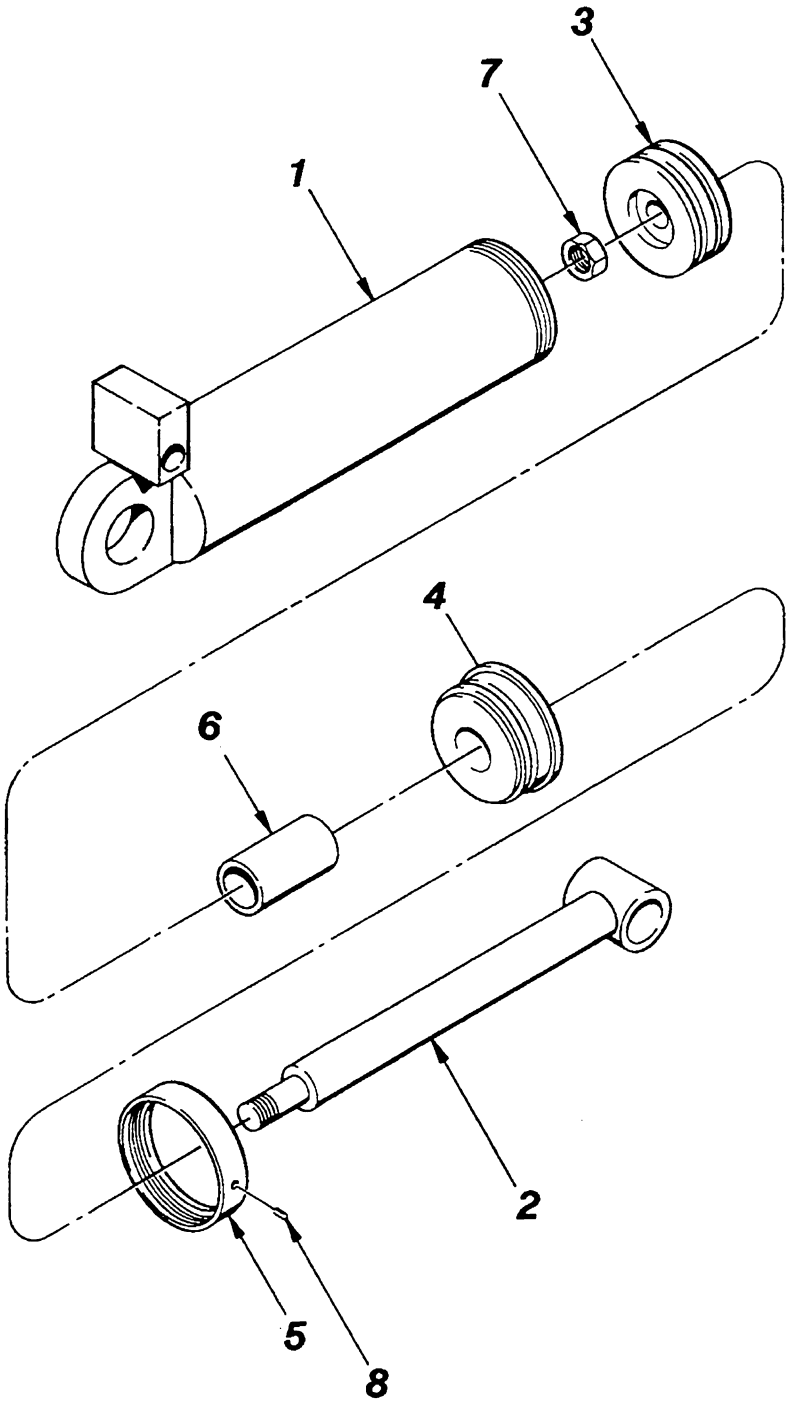



Figure 18385-1

## 18385-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| | P24745 | Cylinder Assembly, Hoist | - | 761 – 2175 | Incl. Items 1-9 |
| 1 | P24895 | Barrel Weldment | 1 | " – " | |
| 2 | P24905 | Rod Weldment | 1 | " – " | |
| 3 | P24381 | Piston | 1 | " – " | |
| 4 | P24912 | Rod Bearing | 1 | " – " | |
| 5 | P24403 | Bearing Retainer | 1 | " – " | |
| 6 | P24417 | Stroke Limiter | 1 | " – " | |
| 7 | P24435 | Set Screw | 1 | " – " | |
| 8 | P24434 | Set Screw | 1 | " – " | |
| 9 | P24431 | Nylon Plug | 1 | " – " | |
| NI | P24922 | Seal Kit | 1 | " – " | |

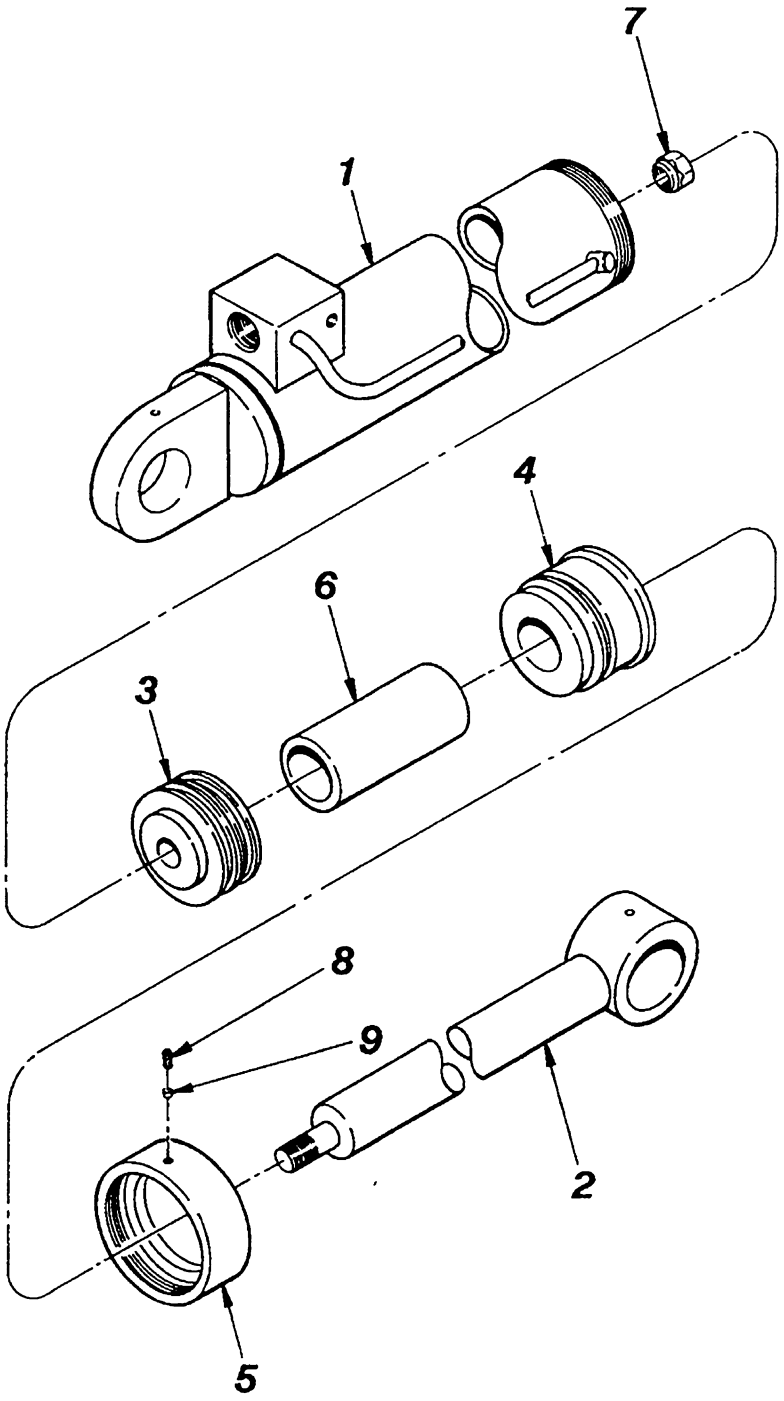



**Figure 18385-2**

## 18385-2

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| | P27780 | Cylinder Assembly, Hoist | – | 2176 – | Incl. Items 1-9 |
| 1 | P27224 | Barrel Weldment | 1 | " – " | |
| 2 | P27239 | Rod Weldment | 1 | " – " | |
| 3 | P27268 | Piston | 1 | " – " | |
| 4 | P27880 | Rod Bearing | 1 | " – " | |
| 5 | P27887 | Bearing Retainer | 1 | " – " | |
| 6 | P27855 | Stroke Limiter | 1 | " – " | |
| 7 | P27280 | Nut | 1 | " – " | |
| 8 | P27853 | Set Screw | 1 | " – " | |
| 9 | P24431 | Nylon Plug | 1 | " – " | |
| NI | P27297 | Seal Kit | 1 | " – " | |

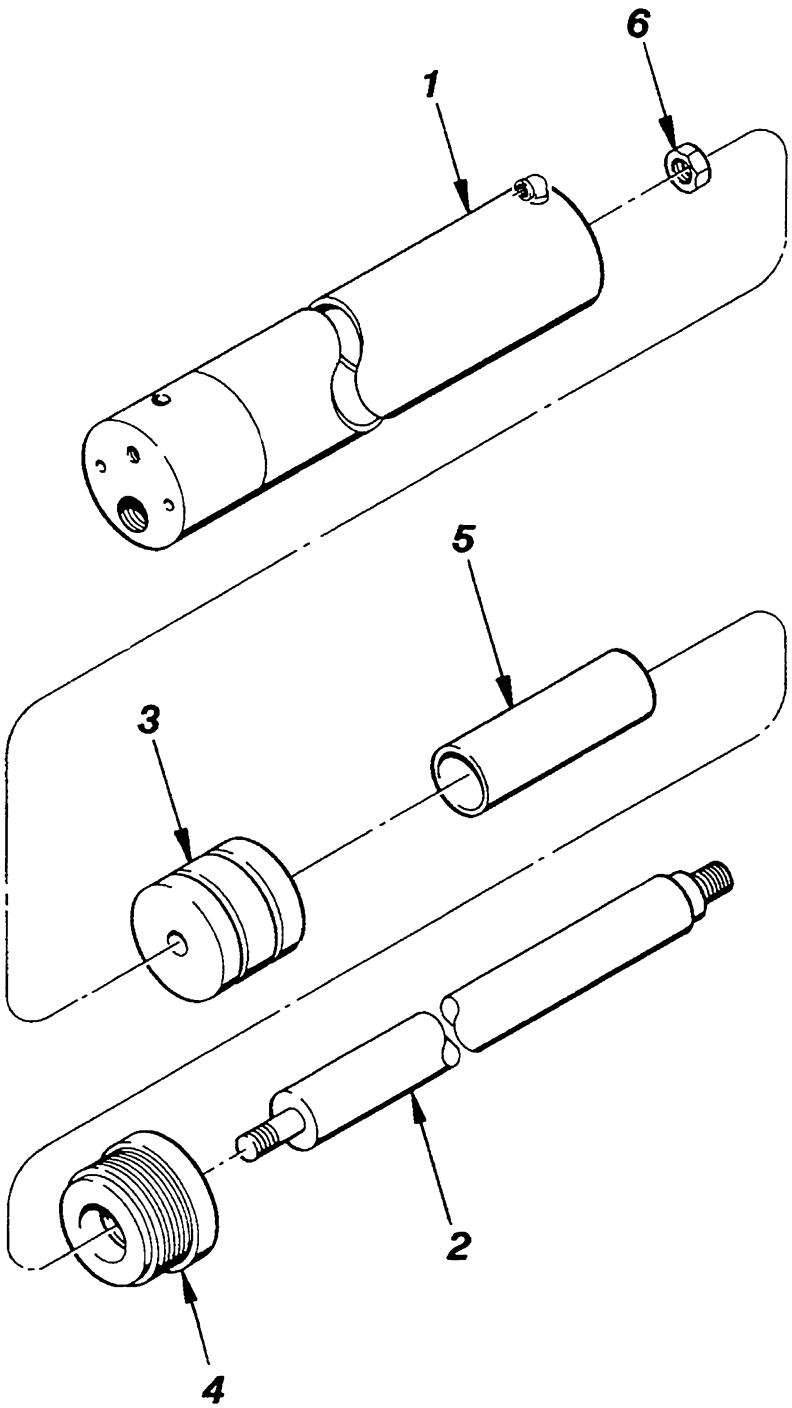



Figure 18386

## 18386

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P19939 | Cylinder Assembly, Boom Extension | – | 101 – 760 | Incl. Items 1-6 |
| 1 | P20837 | Barrel Weldment | 1 | " – " | |
| 2 | P20838 | Rod, Cylinder | 1 | " – " | |
| 3 | P20828 | Piston | 1 | " – " | |
| 4 | P20829 | Rod Bearing | 1 | " – " | |
| 5 | P20839 | Stroke Limiter | 1 | " – " | |
| 6 | P20085 | Nut, Lock | 1 | " – " | |
| NI | P20826 | Seal Kit | 1 | " – " | |

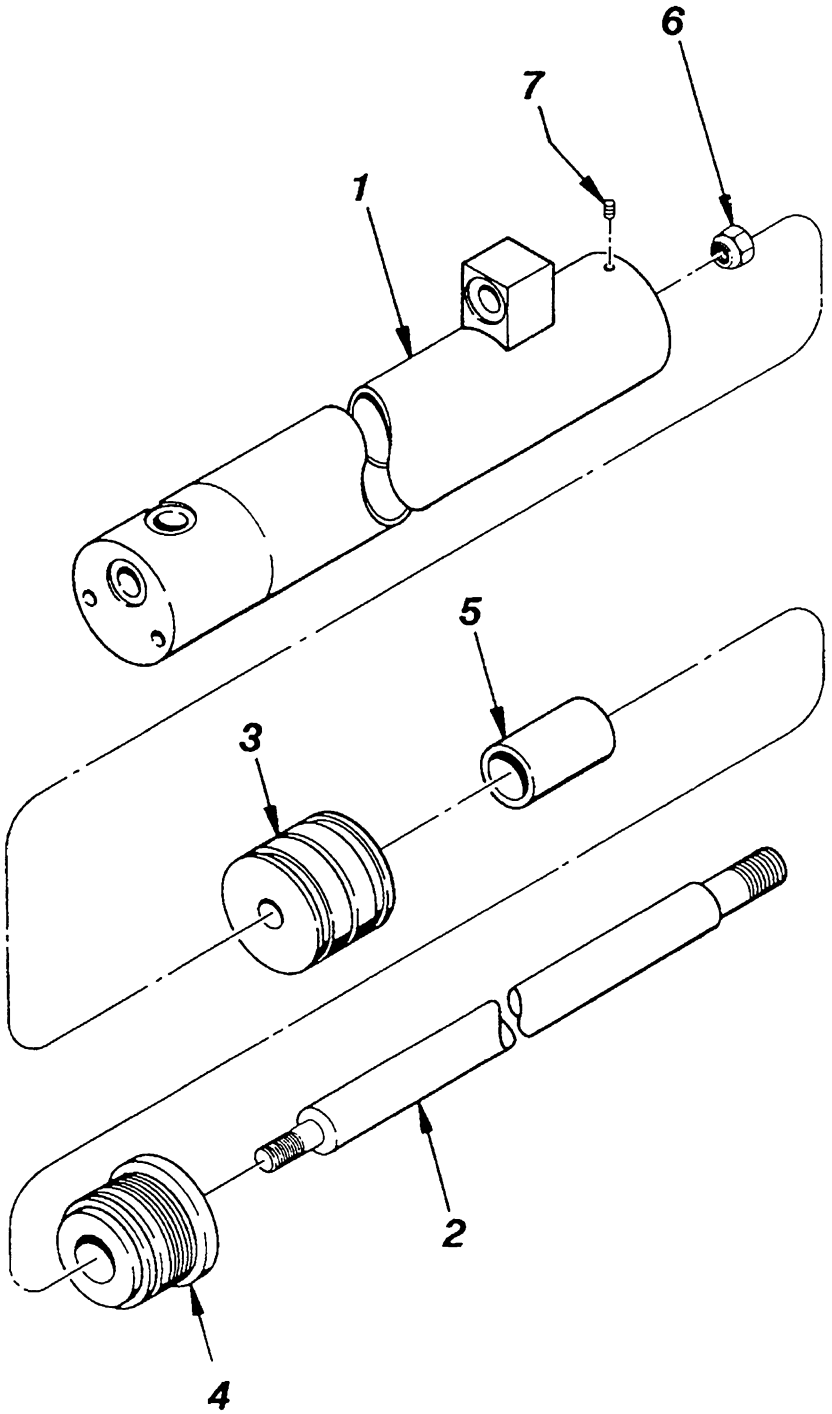



**Figure 18386-1**

## 18386-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P20131 | Cylinder Assembly, Boom Extension | - | 761 – 1899 | Incl. Items 1-7 |
| 1 | P24363 | Barrel Weldment | 1 | " – " | |
| 2 | P24377 | Rod, Cylinder | 1 | " – " | |
| 3 | P24389 | Piston | 1 | " – " | |
| 4 | P24390 | Bearing, Rod | 1 | " – " | |
| 5 | P24407 | Stroke Limiter | 1 | " – " | |
| 6 | P24429 | Nut | 1 | " – " | |
| 7 | P24433 | Set Screw | 1 | " – " | |
| NI | P24440 | Seal Kit | 1 | " – " | |

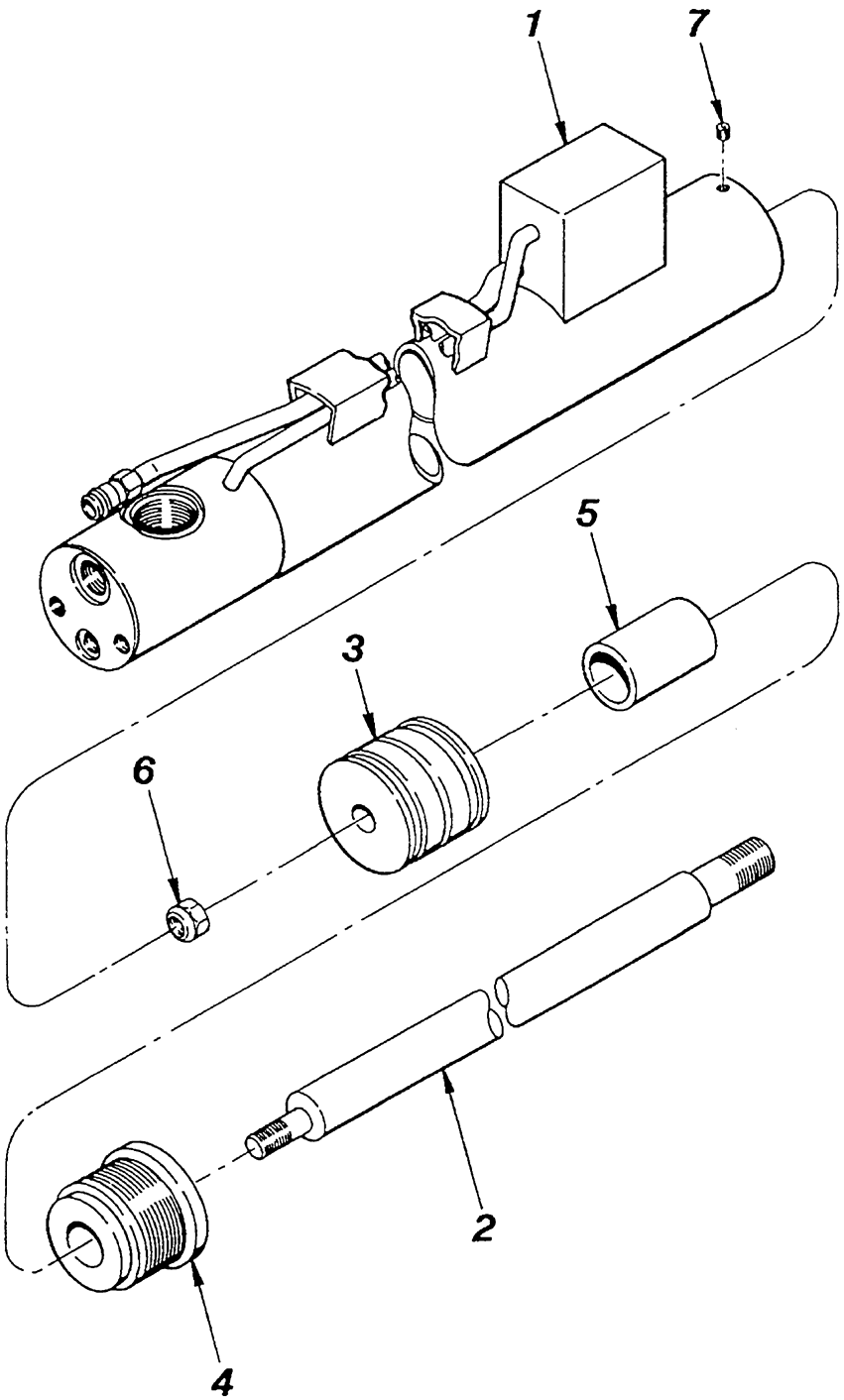



**Figure 18386-2**

## 18386-2

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P27570 | Cylinder Assembly, Boom Extension | – | 1900 – | Incl. Items 1-7 |
| 1 | P27223 | Barrel Weldment | 1 | " – " | For S/N 1900-1992 Purchase P26335 Counterbalance Valve (25 GPM) with Barrel. |
| 2 | P27248 | Rod, Cylinder | 1 | " – " | |
| 3 | P24389 | Piston | 1 | " – " | |
| 4 | P24390 | Bearing, Rod | 1 | " – " | |
| 5 | P27858 | Stroke Limiter | 1 | " – " | |
| 6 | P24429 | Nut | 1 | " – " | |
| 7 | P24433 | Set Screw | 1 | " – " | |
| NI | P24440 | Seal Kit | 1 | " – " | |

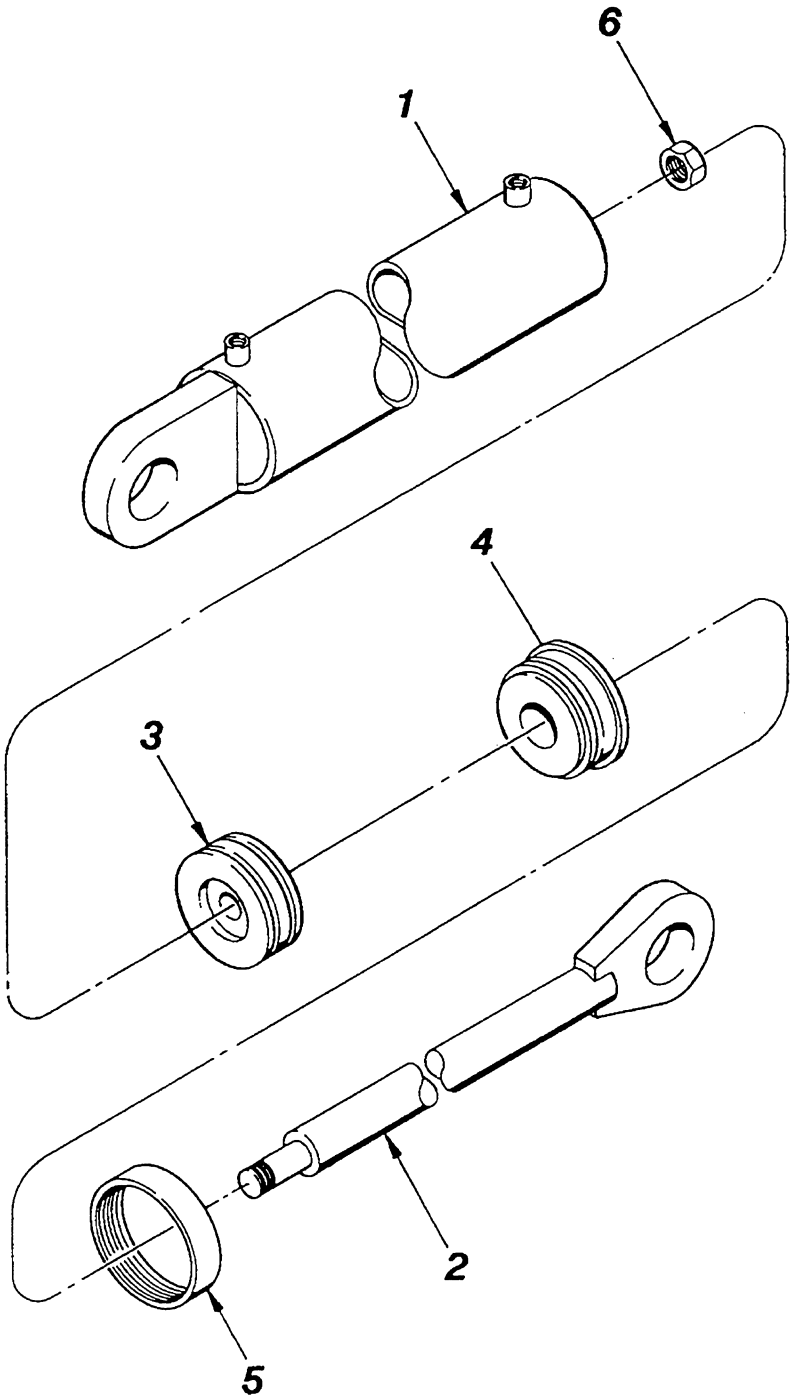



Figure 18387

## 18387

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P19940 | Cylinder Assembly, Rear Carriage Tilt | - | 101 – 760 | Incl. Items 1-6 |
| 1 | P20846 | Barrel Weldment | 1 | " – " | |
| 2 | P20847 | Rod Weldment | 1 | " – " | |
| 3 | P19216 | Piston | 1 | " – " | |
| 4 | P20088 | Rod Bearing | 1 | " – " | |
| 5 | P19207 | Bearing Retainer | 1 | " – " | |
| 6 | P19217 | Nut, Lock | 1 | " – " | |
| NI | P19522 | Seal Kit | 1 | " – " | |

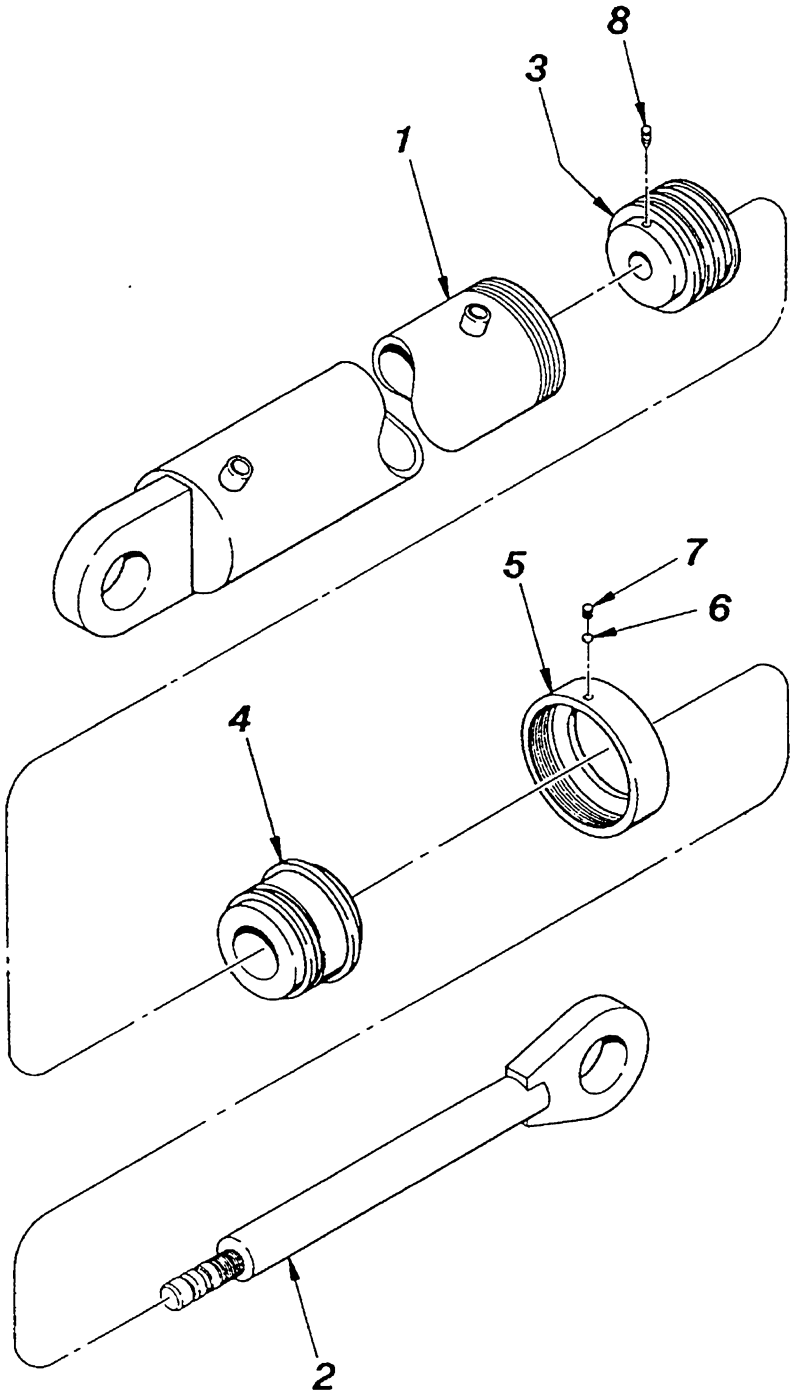



**Figure 18387-1**

## 18387-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P24738 | Cylinder Assembly, Carriage Tilt, Rear | – | 761 – | Incl. Items 1-8 |
| 1 | P24890 | Weldment, Barrel | 1 | " – " | |
| 2 | P24900 | Weldment, Rod | 1 | " – " | |
| 3 | P24379 | Piston | 1 | " – " | |
| 4 | P24910 | Bearing, Rod | 1 | " – " | |
| 5 | P24402 | Retainer, Rod Bearing | 1 | " – " | |
| 6 | P24431 | Plug, Nylon | 1 | " – " | |
| 7 | P24434 | Setscrew | 1 | " – " | |
| 8 | P24435 | Setscrew | 1 | " – " | |
| NI | P24439 | Seal Kit | 1 | " – " | |

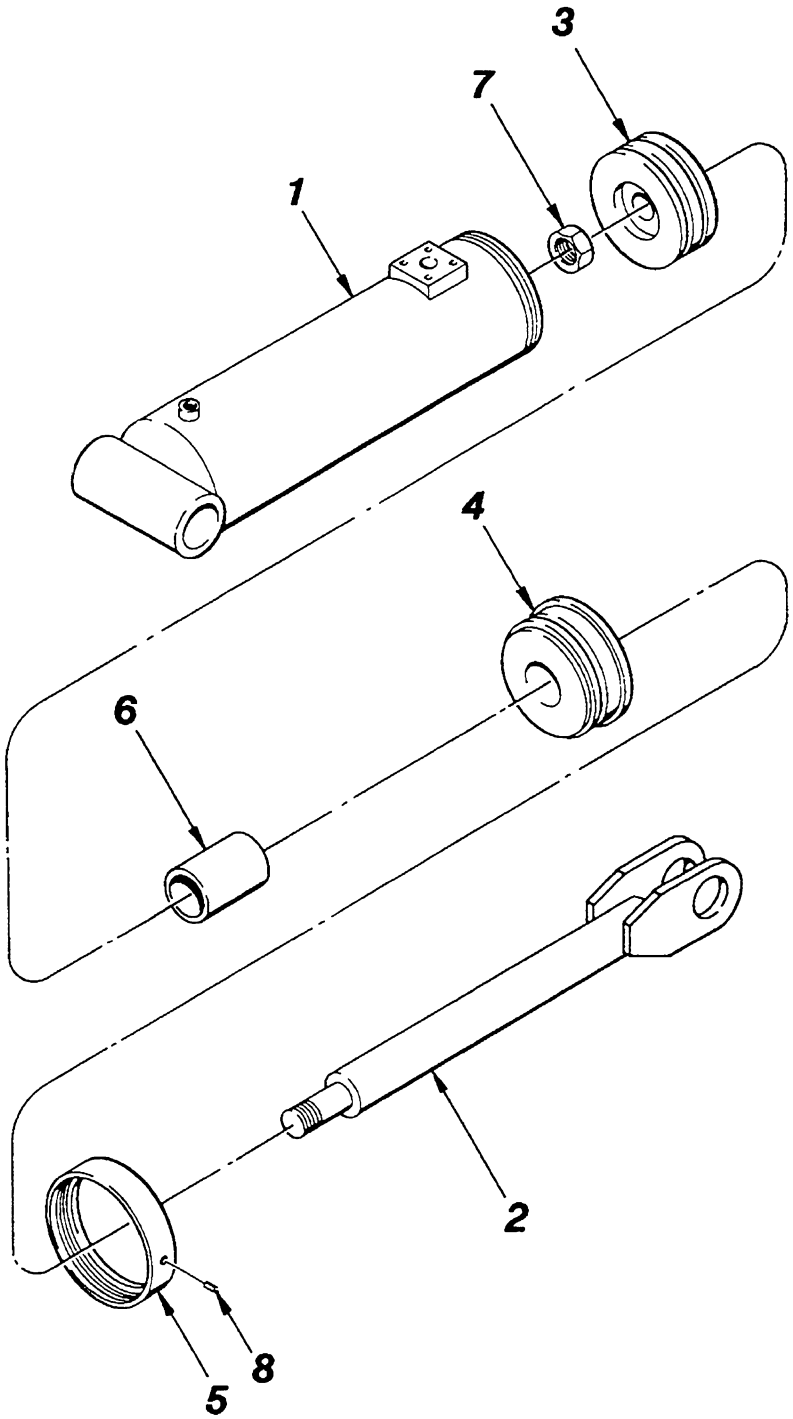



Figure 18388

## 18388

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P19941 | Cylinder Assembly, Carriage Tilt, Front | – | 101 – 760 | Incl. Items 1-8 |
| 1 | P20844 | Barrel Weldment | 1 | " – " | |
| 2 | P20845 | Rod Weldment | 1 | " – " | |
| 3 | P19216 | Piston | 1 | " – " | |
| 4 | P20088 | Rod Bearing | 1 | " – " | |
| 5 | P19207 | Bearing Retainer | 1 | " – " | |
| 6 | P19245 | Stroke Limiter | 1 | " – " | |
| 7 | P19217 | Nut, Lock | 1 | " – " | |
| 8 | P19208 | Setscrew | 1 | " – " | |
| NI | P19522 | Seal Kit | 1 | " – " | |

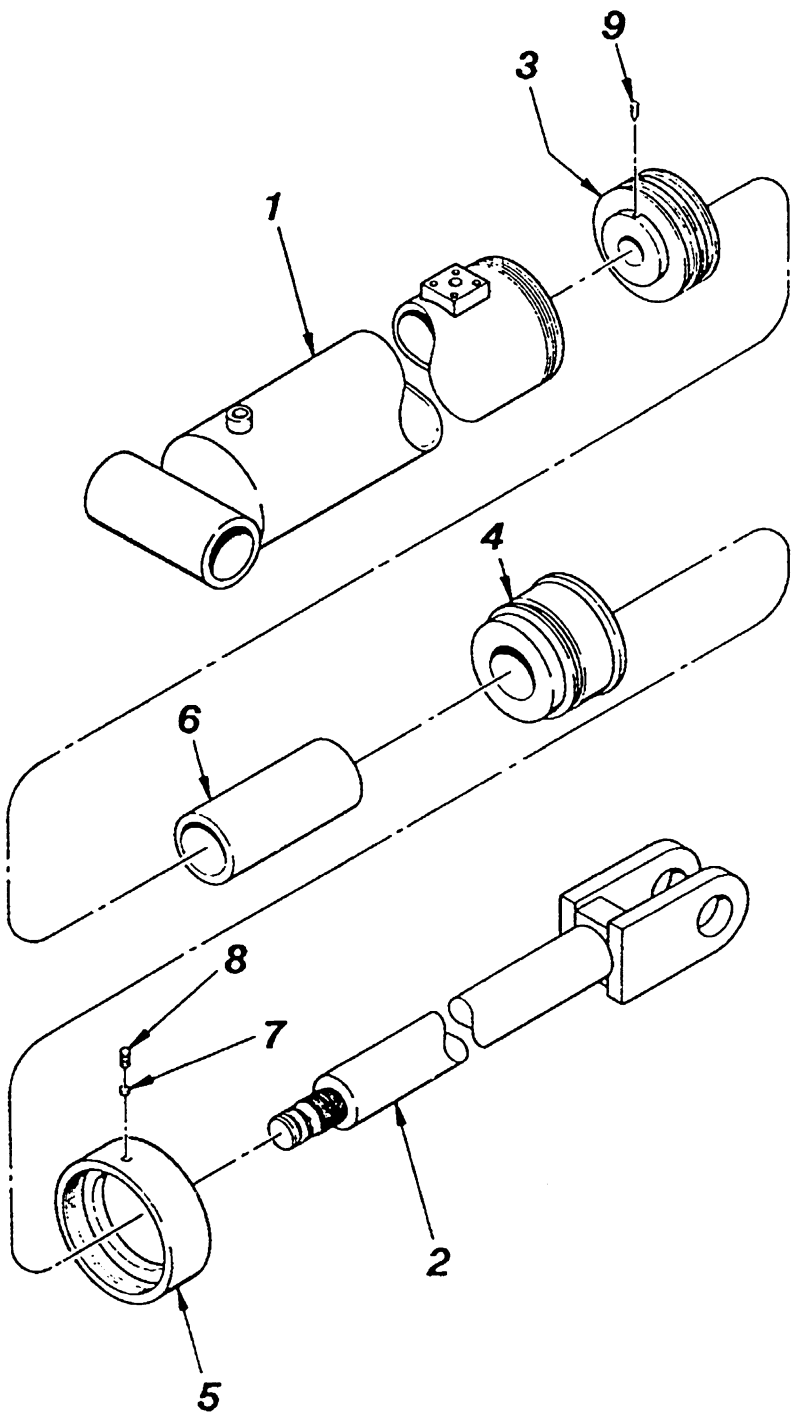



Figure 18388-1

## 18388-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P24739 | Cylinder Assembly, Carriage Tilt, Front | – | 761 – | Incl. Items 1-9 |
| 1 | P24360 | Weldment, Barrel | 1 | " – " | |
| 2 | P24364 | Weldment, Rod | 1 | " – " | |
| 3 | P24379 | Piston | 1 | " – " | |
| 4 | P24910 | Bearing, Rod | 1 | " – " | |
| 5 | P24402 | Bearing Retainer | 1 | " – " | |
| 6 | P24918 | Stroke Limiter | 1 | " – " | |
| 7 | P24431 | Plug, Nylon | 1 | " – " | |
| 8 | P24434 | Setscrew | 1 | " – " | |
| 9 | P24435 | Setscrew | 1 | " – " | |
| NI | P24439 | Seal Kit | 1 | " – " | |

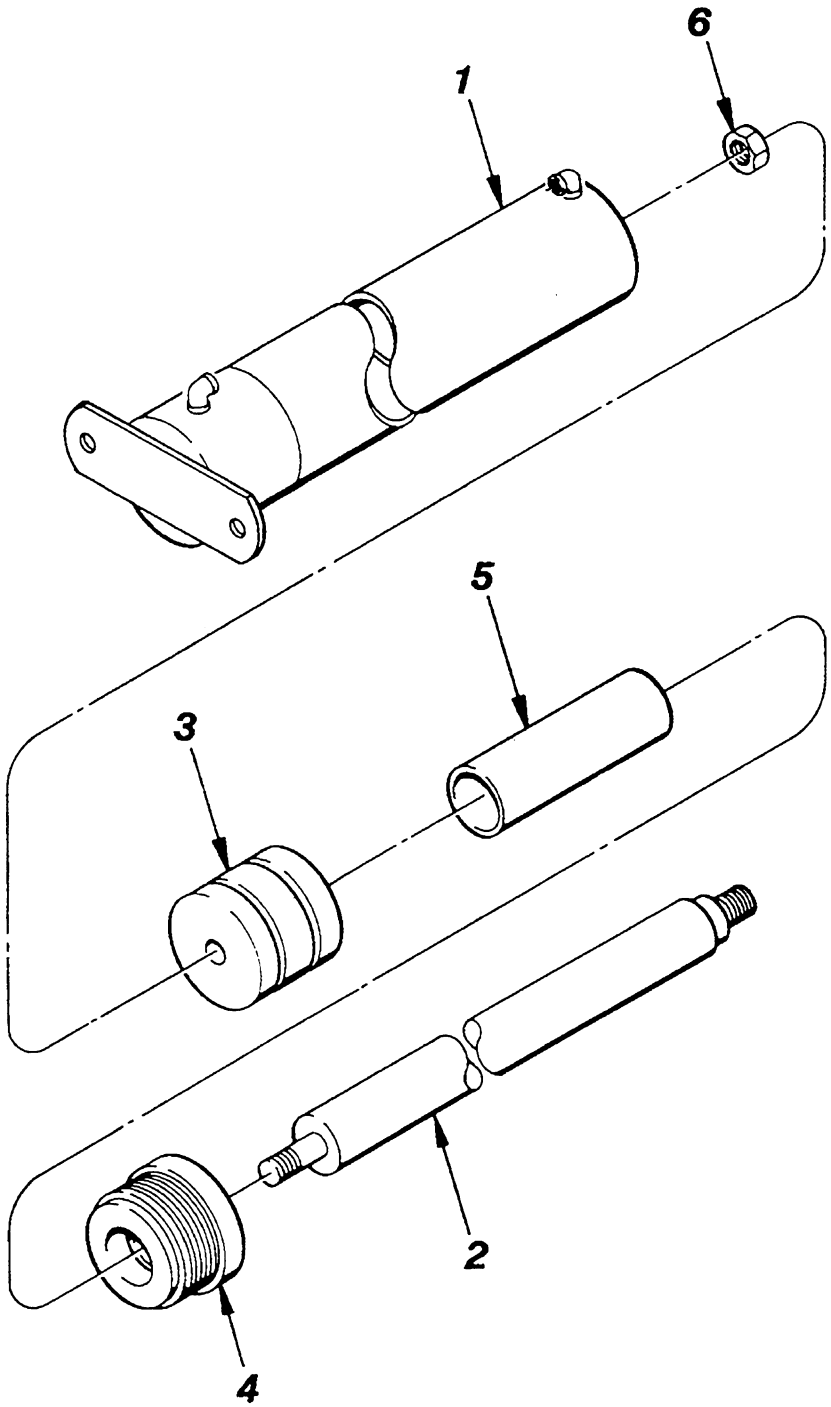



Figure 18393

## 18393

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P19938 | Transfer Cylinder | - | 101 – 761 | Incl. Items 1-6 |
| 1 | P20823 | Weldment, Barrel | 1 | " – " | |
| 2 | P20824 | Rod, Cylinder | 1 | " – " | |
| 3 | P20828 | Piston | 1 | " – " | |
| 4 | P20822 | Bearing, Rod | 1 | " – " | |
| 5 | P20827 | Stroke Limiter | 1 | " – " | |
| 6 | P20085 | Nut, Lock | 1 | " – " | |
| NI | P20826 | Seal Kit | 1 | " – " | |

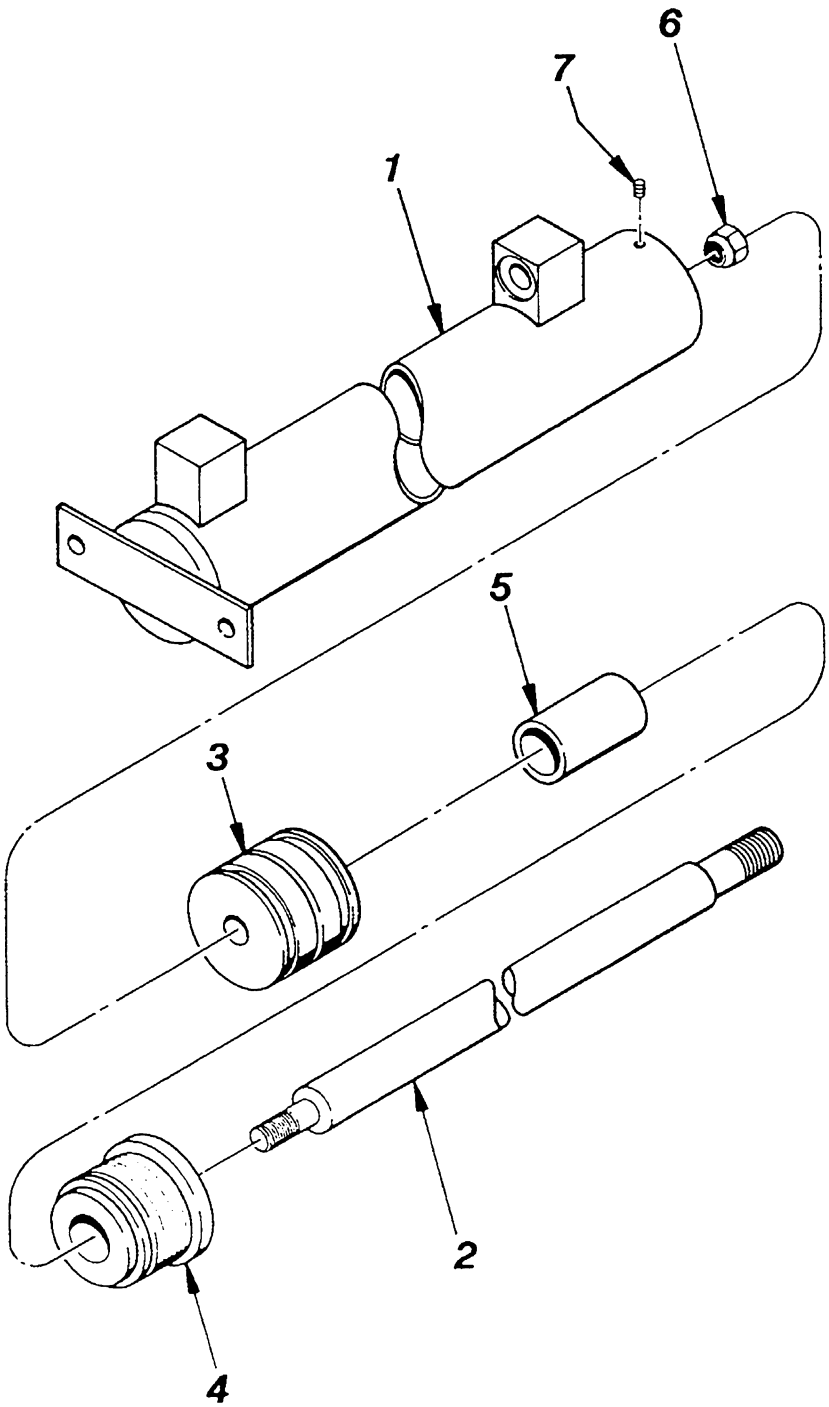



**Figure 18393-1**

## 18393-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P24744 | Cylinder Assembly, Transfer | – | 761 – | Incl. Items 1-7 |
| 1 | P24891 | Weldment, Barrel | 1 | " – " | |
| 2 | P24901 | Rod, Cylinder | 1 | " – " | |
| 3 | P24389 | Piston | 1 | " – " | |
| 4 | P24390 | Bearing, Rod | 1 | " – " | |
| 5 | P24915 | Stroke Limiter | 1 | " – " | |
| 6 | P24425 | Nut, Lock | 1 | " – " | |
| 7 | P24433 | Setscrew | 1 | " – " | |
| NI | P24440 | Seal Kit | 1 | " – " | |

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| Pump, Gear | 12, 14, 20, 24, 28, 32, 36 |
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| Retrofit Kit, Valve, 2 Spool, Boom Control | 2, 8, 14 |
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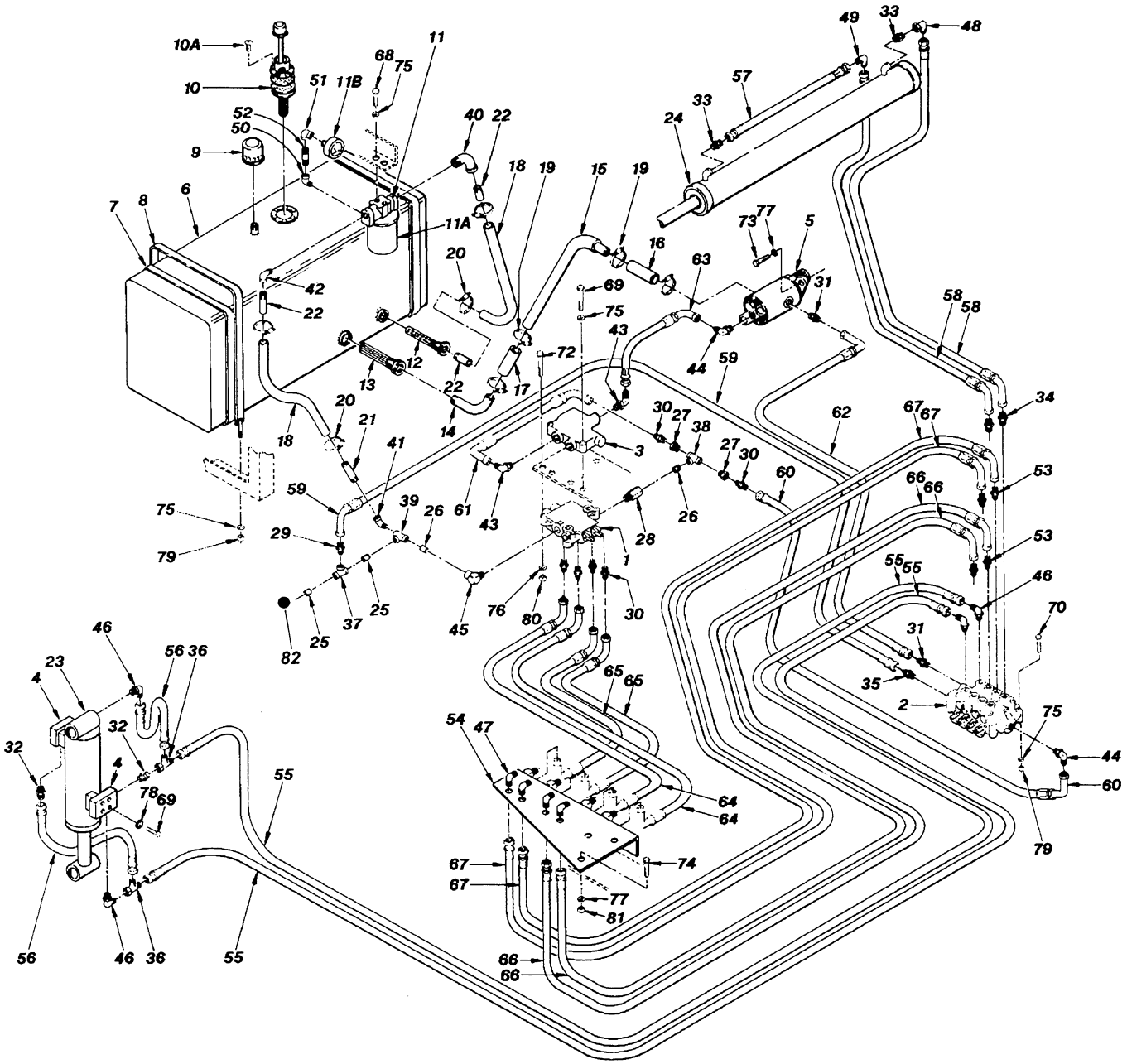



Figure 18358

## 18358 (1 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P18196 | Valve, 2 Spool, Boom Control | 1 | 101 – 146 | |
| | 25700D | Retrofit Kit, Valve, 2 Spool, Boom Control | – | " – " | Includes P27362 Valve. For retrofitted machines only. |
| | P27362 | Valve, 2 Spool, Boom Control | – | " – " | Used with 25700D Kit only. |
| NI | P20276 | Seal Kit - 2 Spool Valve - Boom Control | – | " – " | For P18196 Valve. |
| NI | P27370 | Seal Kit - Replacement Valve | – | " – " | For P27362 Valve. |
| 2 | P18197 | 4 Spool Valve, Controls | 1 | " – " | |
| NI | — | Seal Kit - 4 Spool Valve - Main Controls | – | " – " | |
| | P21758 | Valve Section (1 Req. per section) | – | " – " | |
| | P21759 | Main Relief | – | " – " | |
| 3 | P19292 | Priority Valve | 1 | " – " | |
| 4 | P17686 | Valve, Counterbalance | 2 | " – " | |
| NI | P21486 | Seal Kit, Counterbalance Valve | – | " – " | |
| 5 | P19919 | Pump, Webster | 1 | " – " | |
| NI | P19921 | Gasket, Webster Pump | REF | " – " | |
| NI | P19946 | Tube, Suction | REF | " – " | |
| 6 | P20352 | Tank, Fuel/Hydraulic Oil (Includes Fuel Sender) | 1 | " – " | |
| 7 | P20284 | Belting, Chemprene | 2 | " – " | |
| 8 | 15781B | Strap, Tank Hold Down | 2 | " – " | |
| 9 | P18819 | Breather, Hydraulic Oil | 1 | " – " | |
| 10 | P19876 | Oil Filler, Hydraulic Tank | 1 | " – " | |
| 10A | P03541 | Tapping Screw, Slotted Rd. Hd. | 6 | " – " | #10-32 x 1/2" |
| 11 | P19800 | Filter Base | 1 | " – " | Use P13587 for Canister type Filter |
| 11A | P19801 | Filter, Hydraulic Oil (Spin-On) | - | " – " | Use P13586 for Canister type Filter |
| 11B | P13686 | Gauge, Hydraulic Oil Pressure | - | " – " | |
| 12 | P19877 | Diffuser, Oil Return | 1 | " – " | |
| 13 | P19878 | Strainer, Hydraulic Oil | 1 | " – " | |
| 14 | 16747B | Elbow, Suction Tube | 1 | " – " | Lower |
| 15 | 18276B | Elbow, Suction Tube | 1 | " – " | Upper |
| 16 | N11592 | Hose, Suction | 1 | " – " | 1 1/2" I.D. |
| 17 | N11553 | Hose, Suction | 1 | " – " | 2 3/8" I.D. |
| 18 | P21720 | Hose, Return | A/R | " – " | 1 1/4" |
| 19 | P10601 | Clamp, Hose | 4 | " – " | #26 |
| 20 | P14043 | Clamp, Hose | 4 | " – " | #24 |
| 21 | P24780 | Swaged Hose Nipple | 1 | " – " | |
| 22 | P18142 | Swaged Hose Nipple | 3 | " – " | |
| 23 | P19937 | Cylinder, Frame Tilt | 1 | " – " | |
| 24 | P19938 | Cylinder, Transfer | 1 | " – " | |
| 25 | P10105 | Nipple, Close | 2 | " – " | |

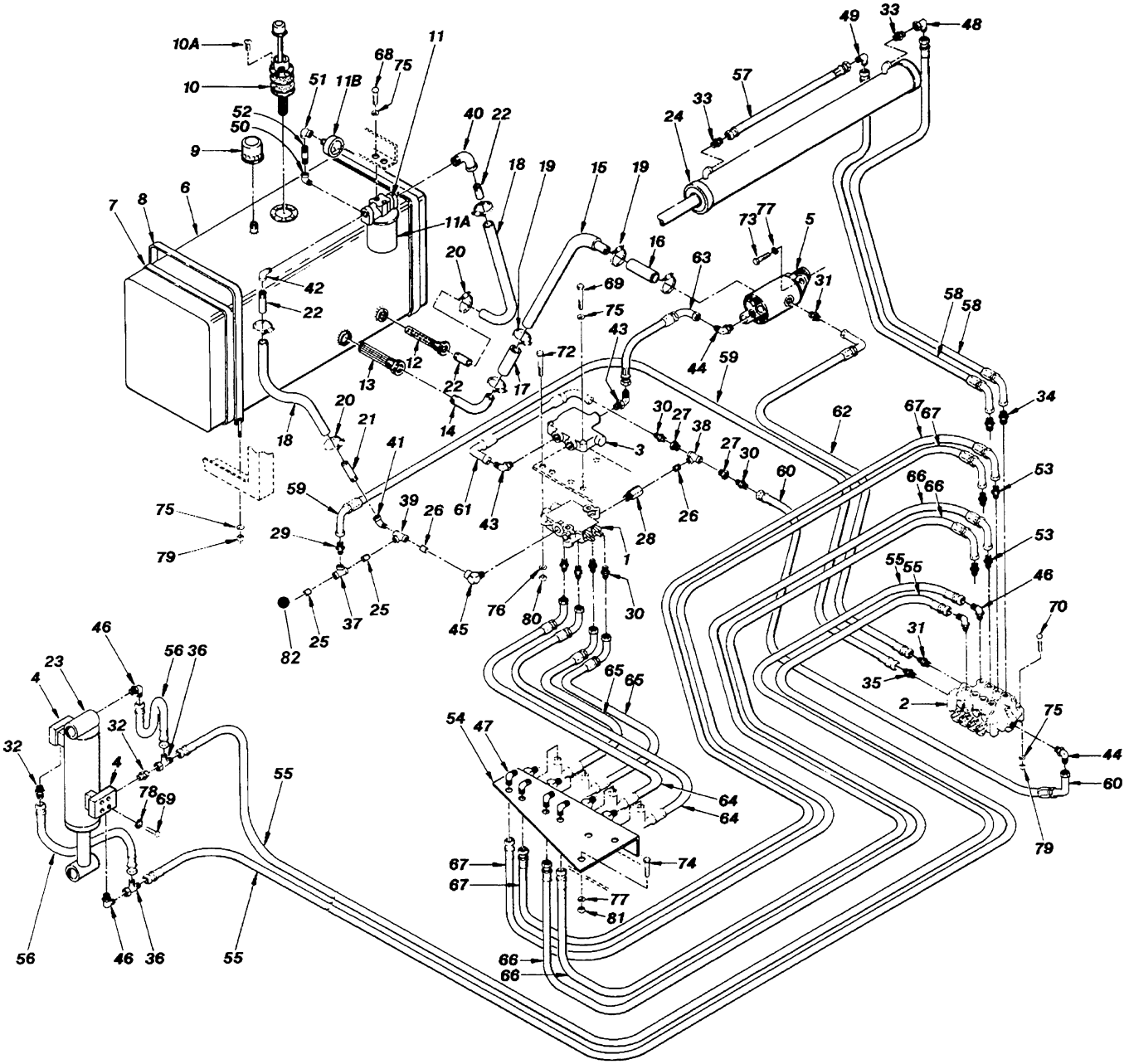



Figure 18358

## 18358 (2 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 26 | P10900 | Nipple, Close | 2 | " – " | |
| 27 | P10180 | Reducer Bushing | 2 | " – " | |
| 28 | P19054 | Adapter, O-Ring/Female Pipe | 1 | " – " | |
| 29 | P18933 | Connector, JIC - Pipe | 1 | " – " | |
| 30 | P17804 | Connector, JIC - Pipe | 6 | " – " | |
| 31 | P17805 | Connector, O-Ring | 2 | " – " | |
| 32 | P19478 | Connector, O-Ring | 2 | " – " | |
| 33 | P18936 | Connector, O-Ring | 2 | " – " | |
| 34 | P18937 | Connector, O-Ring (Long) | 2 | " – " | |
| 35 | P18997 | Connector, O-Ring | 1 | " – " | |
| 36 | P19412 | Tee, Swivel | 2 | " – " | |
| 37 | P10106 | Tee, Pipe | 1 | " – " | |
| 38 | P10173 | Tee, Pipe | 1 | " – " | |
| 39 | P19052 | Tee, Pipe - Reducer | 1 | " – " | |
| 40 | P10138 | 45° Elbow, Street | 1 | " – " | |
| 41 | P10219 | 45° Elbow, Street | 1 | " – " | |
| 42 | P10133 | 90° Elbow, Street | 1 | " – " | |
| 43 | P17802 | 90° Elbow, O-Ring | 2 | " – " | |
| 44 | P19055 | 90° Elbow, O-Ring | 2 | " – " | |
| 45 | P19056 | 90° Elbow, O-Ring/Female Pipe | 1 | " – " | |
| 46 | P18935 | 90° Elbow, O-Ring | 4 | " – " | |
| 47 | P18931 | 90° Elbow, Bulkhead | 4 | " – " | |
| 48 | P18957 | 90° Elbow, Swivel | 1 | " – " | |
| 49 | P18959 | 90° Elbow, Union | 1 | " – " | |
| 50 | P10201 | 90° Elbow, Street | 1 | " – " | |
| 51 | P10223 | 90° Elbow, Pipe | 1 | " – " | |
| 52 | P10757 | Nipple, Pipe | 1 | " – " | |
| 53 | P18944 | Connector, O-Ring | 1 | " – " | |
| 54 | 15994C | Hose Junction Mount Bracket | 1 | " – " | |
| 55 | P19049 | Hyd. Hose | 2 | " – " | .25" x 104" |
| 56 | P19490 | Hyd. Hose | 2 | " – " | .25" x 24" |
| 57 | P21366 | Hyd. Hose | 1 | " – " | .38" x 78" |
| 58 | P21342 | Hyd. Hose | 1 | " – " | .38" x 149" |
| 59 | P18911 | Hyd. Hose | 1 | " – " | .50" x 28" |
| 60 | P18922 | Hyd. Hose | 1 | " – " | .75" x 24" |
| 61 | P19494 | Hyd. Hose | 1 | " – " | .75" x 12" |
| 62 | P18897 | Hyd. Hose | 1 | " – " | .75" x 32" |
| 63 | P20994 | Hyd. Hose | 1 | " – " | .75" x 34" |
| 64 | P21354 | Hyd. Hose | 2 | " – " | .75" x 33" |
| 65 | P21355 | Hyd. Hose | 2 | " – " | .75" x 36" |
| 66 | P21356 | Hyd. Hose | 2 | " – " | .38" x 61" |
| 67 | P21357 | Hyd. Hose | 2 | " – " | .38" x 65" |
| 68 | P00104 | Bolt, Hx. | 2 | " – " | 5/16"-18 x 1" |
| 69 | P00109 | Bolt, Hx. | 10 | " – " | 5/16"-18 x 2 1/4" |
| 70 | P00111 | Bolt, Hx. | 3 | " – " | 5/16"-18 x 2 3/4" |

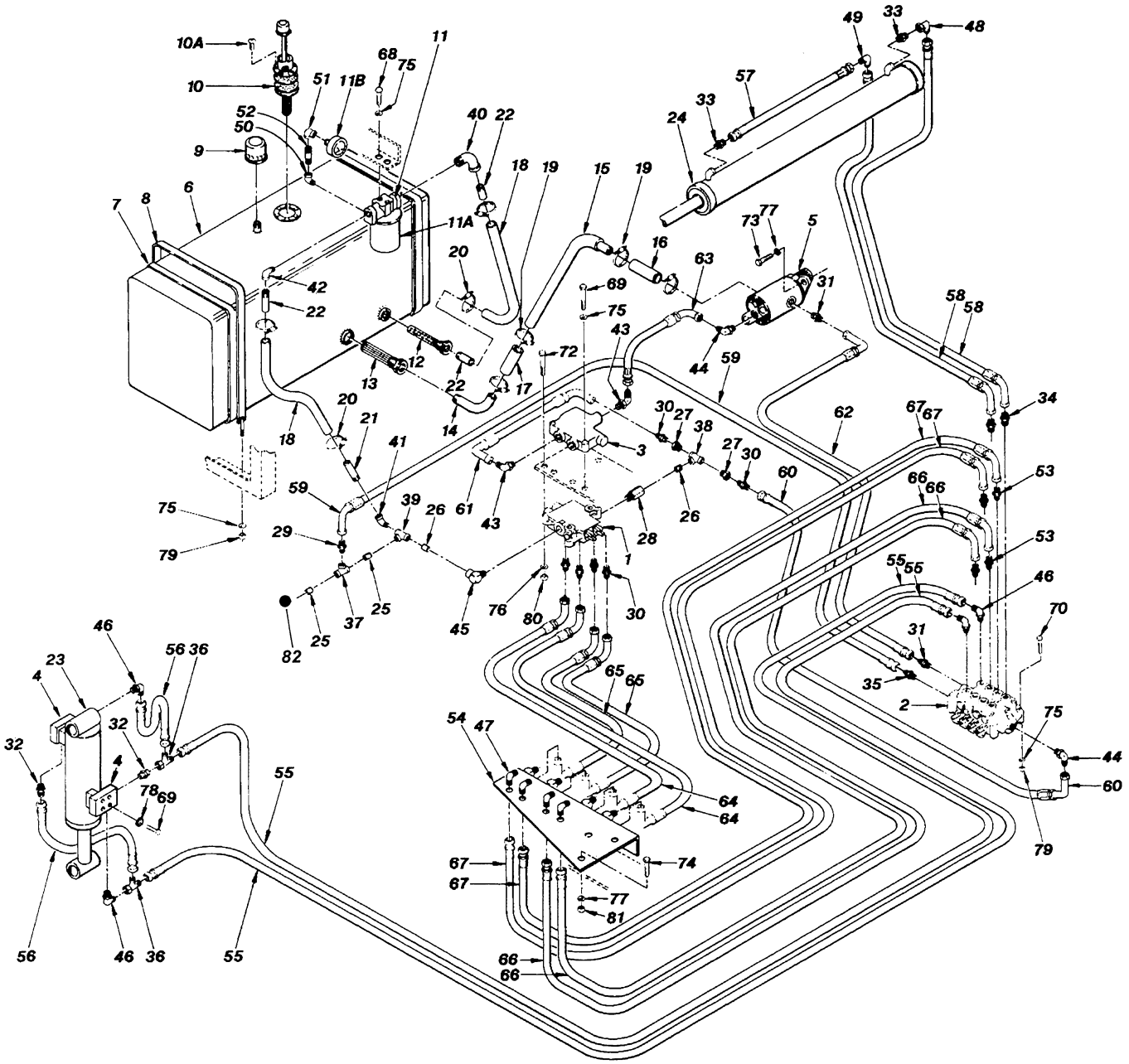



**Figure 18358**

## 18358 (3 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| NI | P00204 | Bolt, Hx. | 2 | " – " | 3/8"-16 x 1" |
| 72 | P00210 | Bolt, Hx. | 3 | " – " | 3/8"-16 x 2 1/2" |
| 73 | P00402 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1" |
| 74 | P00403 | Bolt, Hx. | 3 | " – " | 1/2"-13 x 1 1/4" |
| 75 | P01309 | Lockwasher | 11 | " – " | 5/16" |
| 76 | P01310 | Lockwasher | 5 | " – " | 3/8" |
| 77 | P01312 | Lockwasher | 5 | " – " | 1/2" |
| 78 | P01358 | Starwasher | 8 | " – " | 5/16" |
| 79 | P01507 | Nut, Hx. | 7 | " – " | 5/16"-18 |
| 80 | P01508 | Nut, Hx. | 5 | " – " | 3/8"-16 |
| 81 | P01510 | Nut, Hx. | 3 | " – " | 1/2"-13 |
| 82 | See Page 5-70 | Steering Hydraulics | – | ..... | |

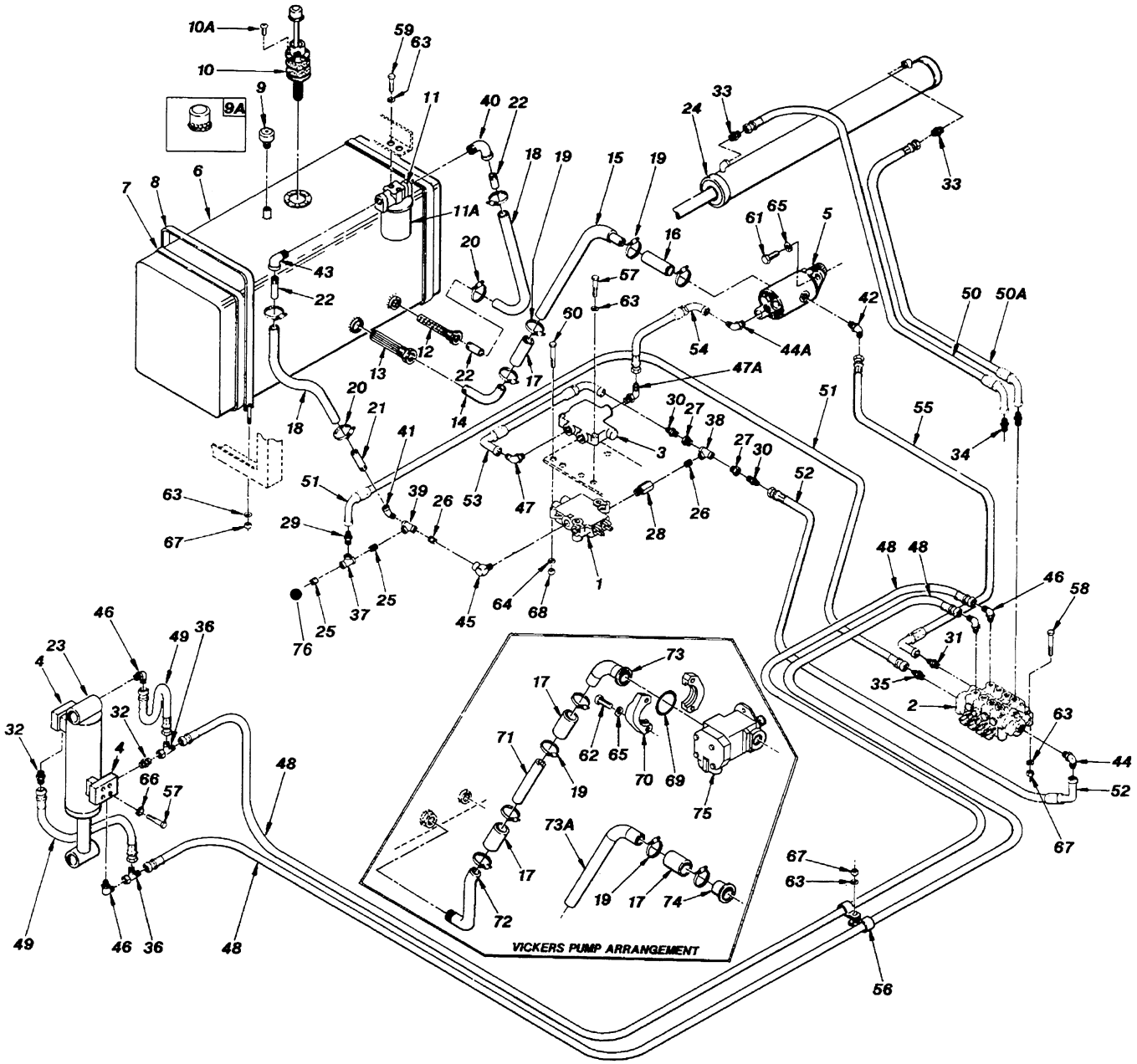



Figure 18358-1

## 18358-1 (1 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P18196 | Valve, 2 Spool, Boom Control | 1 | 147 – 739 | |
| | 25700D | Retrofit Kit, Valve, 2 Spool, Boom Control | – | " – " | Includes P27362 Valve. For retrofitted machines only. |
| | P27362 | Valve, 2 Spool, Boom Control | – | " – " | Used with 25700D Kit only. |
| NI | P20276 | Seal Kit - 2 Spool Valve - Boom Control | – | " – " | For P18196 Valve. |
| NI | P27370 | Seal Kit - Replacement Valve | – | " – " | For P27362 Valve. |
| 2 | P18197 | 4 Spool Valve, Controls | 1 | " – " | |
| NI | — | Seal Kit - 4 Spool Valve - Main Controls | – | " – " | |
| | P21758 | Valve Section (1 Req. per section) | – | " – " | |
| | P21759 | Main Relief | – | " – " | |
| 3 | P19292 | Valve, Priority | 1 | " – " | |
| 4 | P17686 | Valve, Counterbalance | 2 | " – " | |
| NI | P21486 | Seal Kit, Counterbalance Valve | – | " – " | |
| 5 | P19919 | Pump, Webster | 1 | " – " | |
| NI | P19921 | Gasket, Webster Pump | REF | " – " | |
| NI | P19946 | Tube, Suction | REF | " – " | |
| 6 | P20352 | Tank, Fuel/Hydraulic Oil | 1 | " – " | Includes Fuel Sender |
| 7 | P20284 | Belting, Chemprene | 2 | " – " | |
| 8 | 15781B | Strap, Tank Hold Down | 2 | " – " | |
| 9 | P21674 | Breather, Hydraulic Oil | 1 | " – " | |
| 9A | P18819 | Breather, Hydraulic Oil | – | 101 – 492 | |
| 10 | P19876 | Oil Filler, Hydraulic Tank | 1 | 147 – 739 | |
| 10A | P03541 | Tapping Screw, Slotted Rd. Hd. | 6 | " – " | #10-32 x 1/2" |
| 11 | P19800 | Filter, Base | 1 | " – " | |
| 11A | P19801 | Filter, Hydraulic Oil | - | " – " | |
| 12 | P19877 | Diffuser, Oil Return | 1 | " – " | |
| 13 | P19878 | Strainer, Hydraulic Oil | 1 | " – " | |
| 14 | 16747B | Elbow, Suction Tube | 1 | " – " | Lower |
| 15 | 18276B | Elbow, Suction Tube | 1 | " – " | Upper |
| 16 | N11592 | Hose, Suction | 1 | " – " | 1 1/2" I.D. |
| NI | N11553 | Hose, Suction | 1 | " – " | 2 3/8" I.D. |
| 18 | P21720 | Hose, Return | A/R | " – " | 1 1/4" |
| 19 | P10601 | Clamp, Hose | 4 | " – " | #36 |
| 20 | P14043 | Clamp, Hose | 4 | " – " | #24 |
| 21 | P24780 | Swaged Hose Nipple | 1 | " – " | |
| 22 | P18142 | Swaged Hose Nipple | 3 | " – " | |
| 23 | P19937 | Cylinder, Frame Tilt | 1 | " – " | |
| 24 | P19938 | Cylinder, Transfer | 1 | " – " | |
| 25 | P10105 | Nipple, Close | 2 | " – " | |
| 26 | P10900 | Nipple, Close | 2 | " – " | |
| 27 | P10180 | Reducer Bushing | 2 | " – " | |

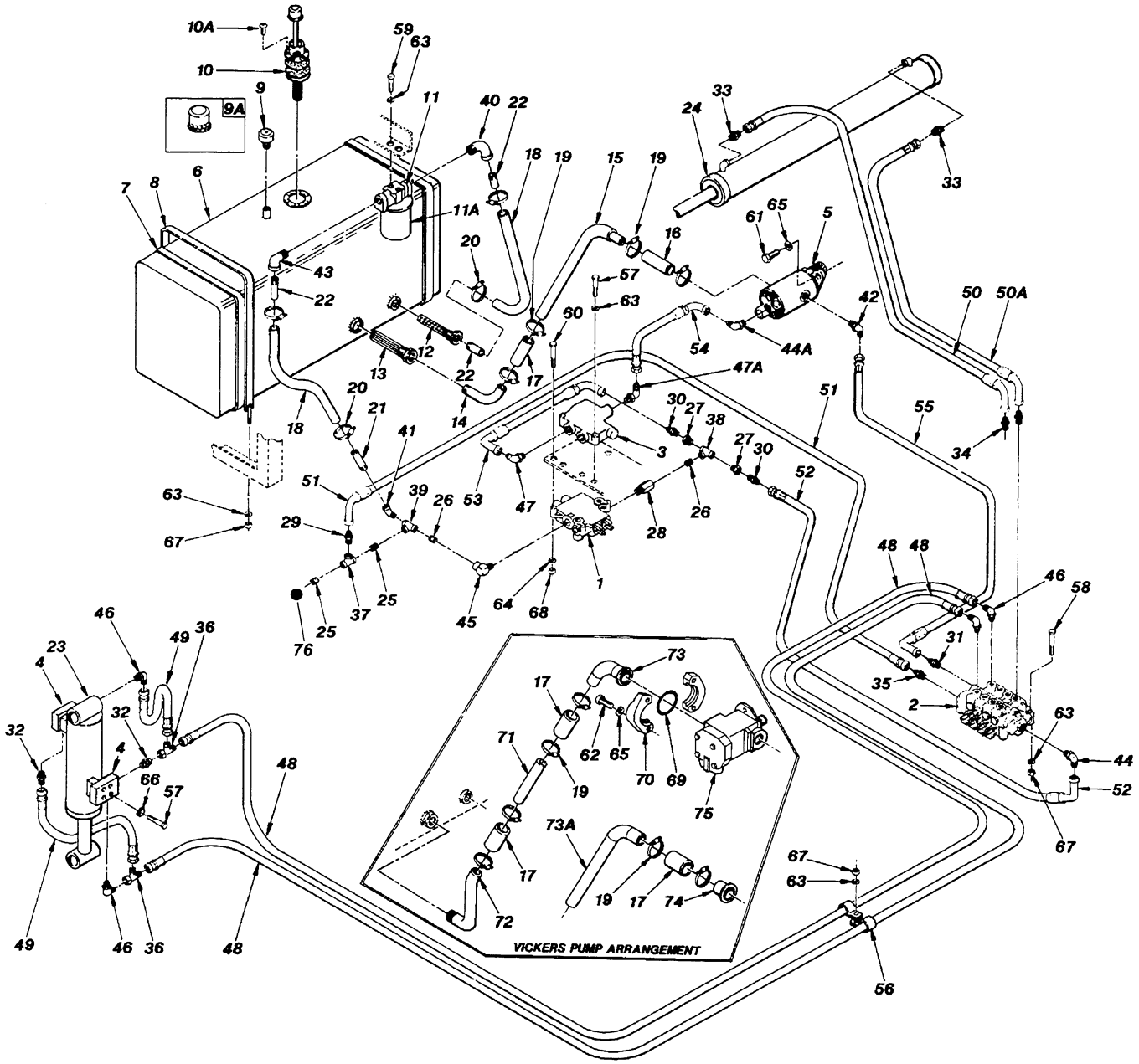



**Figure 18358-1**

## 18358-1 (2 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 28 | P19054 | Adapter, O-Ring/Female Pipe | 1 | " – " | |
| 29 | P18933 | Connector, JIC - Pipe | 1 | " – " | |
| 30 | P17804 | Connector, JIC - Pipe | 2 | " – " | |
| 31 | P17805 | Connector, O-Ring | 1 | " – " | |
| 32 | P19478 | Connector, O-Ring | 2 | " – " | |
| 33 | P18936 | Connector, O-Ring | 2 | " – " | |
| 34 | P18937 | Connector, O-Ring | 2 | " – " | Long |
| 35 | P18997 | Connector, O-Ring | 1 | " – " | |
| 36 | P19412 | Tee, Swivel | 2 | " – " | |
| 37 | P10106 | Tee, Pipe | 1 | " – " | |
| 38 | P10173 | Tee, Pipe | 1 | " – " | |
| 39 | P19052 | Tee, Pipe - Reducer | 1 | " – " | |
| 40 | P10138 | 45° Elbow, Street | 1 | " – " | |
| 41 | P10219 | 45° Elbow, Street | 1 | " – " | |
| 42 | P19147 | 45° Elbow, O-Ring | 1 | " – " | |
| 43 | P10133 | 90° Elbow, Street | 1 | " – " | |
| 44 | P19055 | 90° Elbow, O-Ring | 1 | " – " | |
| 44A | P19055 | 90° Elbow, O-Ring | 1 | " – " | Use P19147 with Vickers Pump |
| 45 | P19056 | 90° Elbow, O-Ring/Female Pipe | 1 | " – " | |
| 46 | P18935 | 90° Elbow, O-Ring | 4 | " – " | |
| 47 | P17802 | 90° Elbow, O-Ring | 1 | " – " | |
| 47A | P17802 | 90° Elbow, O-Ring | 1 | " – " | Use P17805 with Funk Transmission |
| 48 | P19049 | Hose, Hyd. | 2 | " – " | .25" x 104" |
| 49 | P19490 | Hose, Hyd. | 2 | " – " | .25" x 24" |
| 50 | P18855 | Hose, Hyd. | 1 | " – " | .38" x 70" |
| 50A | P21398 | Hose, Hyd. | 1 | " – " | .38" x 130" |
| 51 | P18911 | Hose, Hyd. | 1 | " – " | .50" x 28" |
| 52 | P18922 | Hose, Hyd. | 1 | " – " | .75" x 24" |
| 53 | P19494 | Hose, Hyd. | 1 | " – " | .75" x 12" |
| 54 | P20994 | Hose, Hyd. | 1 | " – " | .75" x 34" |
| 55 | P19764 | Hose, Hyd. | 1 | " – " | .75" x 27" |
| 56 | P17554 | Clamp, Hyd. Hose | 4 | " – " | |
| 57 | P00109 | Bolt, Hx. | 10 | " – " | 5/16"-18 x 2 1/4" |
| 58 | P00111 | Bolt, Hx. | 3 | " – " | 5/16"-18 x 2 3/4" |
| 59 | P00104 | Bolt, Hx. | 2 | " – " | 5/16"-18 x 1" |
| 60 | P00210 | Bolt, Hx. | 3 | " – " | 3/8"-16 x 2 1/2" |
| 61 | P00402 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1" |
| 62 | P00404 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1 1/2" Use with Vickers Pump |
| 63 | P01309 | Lockwasher | 13 | " – " | 5/16" |
| 64 | P01310 | Lockwasher | 3 | " – " | 3/8" |
| 65 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 66 | P01358 | Starwasher | 8 | " – " | 5/16" |
| 67 | P01507 | Nut, Hx. | 9 | " – " | 5/16"-18 |
| 68 | P01508 | Nut, Hx. | 3 | " – " | 3/8"-16 |
| 69 | P12971 | O-Ring | 1 | " – " | Use with Vickers Pump |
| 70 | P17672 | Flange Half | 2 | " – " | Use with Vickers Pump |

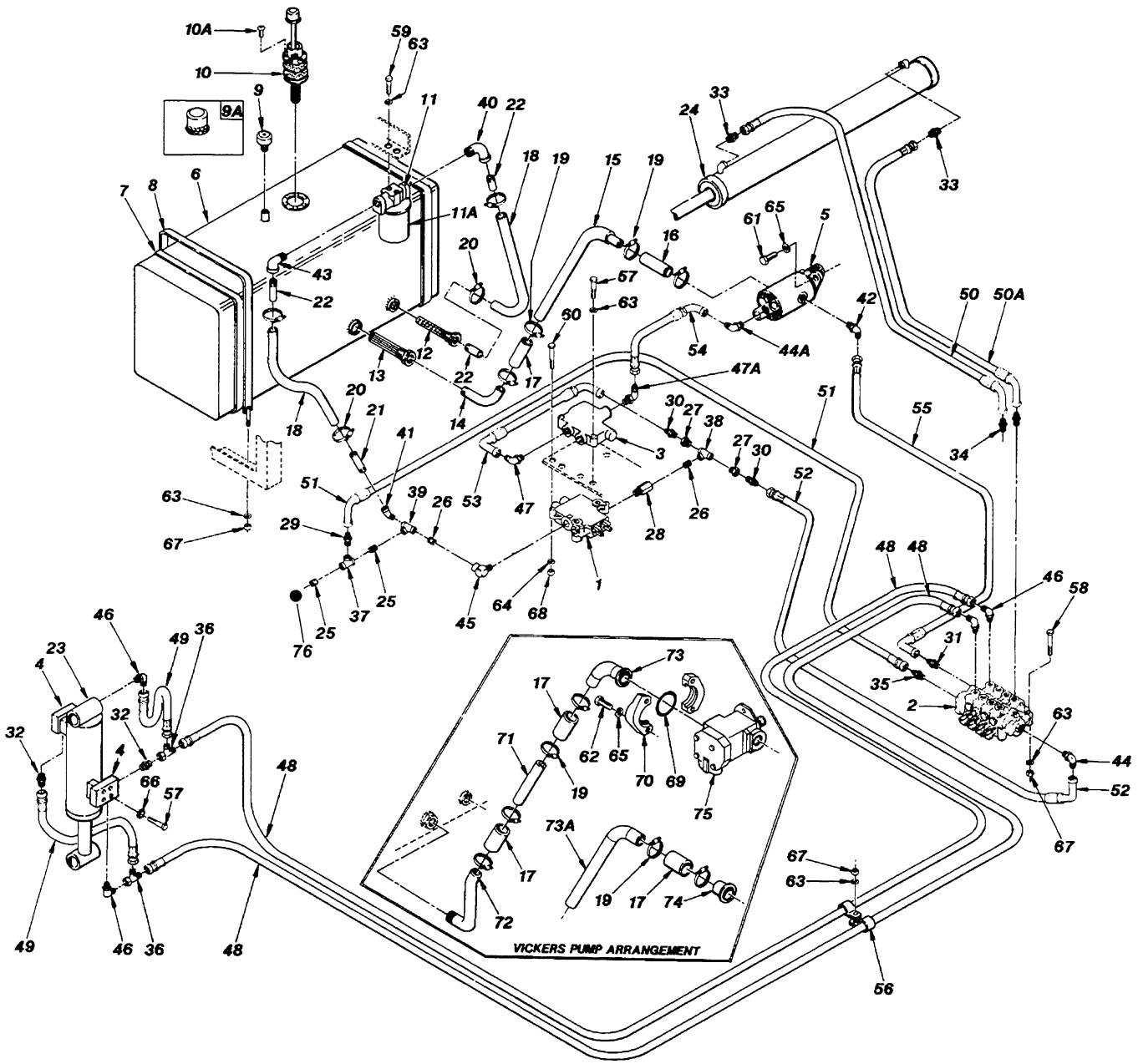



**Figure 18358-1**

## 18358-1 (3 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 71 | 18347-18C | Tube, Suction | 1 | " – " | Use with Vickers Pump and Clark Transmission |
| 72 | 18661B | Elbow, Suction Tube, Lower | 1 | " – " | Use with Vickers Pump |
| 73 | 16750B | Elbow, Suction Tube, Upper | 1 | " – " | Use with Vickers Pump and Clark Transmission |
| 73A | 18090B | Elbow, Suction Tube, Upper | - | " – " | Use with Vickers Pump and Funk Transmission |
| 74 | 18518A | Flange Adapter | 1 | " – " | Use with Vickers Pump and Funk Transmission |
| 75 | P20874 | Pump, Gear | 1 | " – " | Clark Transmission |
| | P19932 | Pump, Vane | – | " – " | Funk Transmission |
| | P24770 | Pump, Vane | – | 737 – 760 | |
| NI | P16595 | O-Ring | 1 | 147 – 739 | Vickers Pump to Transmission |
| 76 | See Page 5-70 | Steering Hydraulics | – | ..... | |

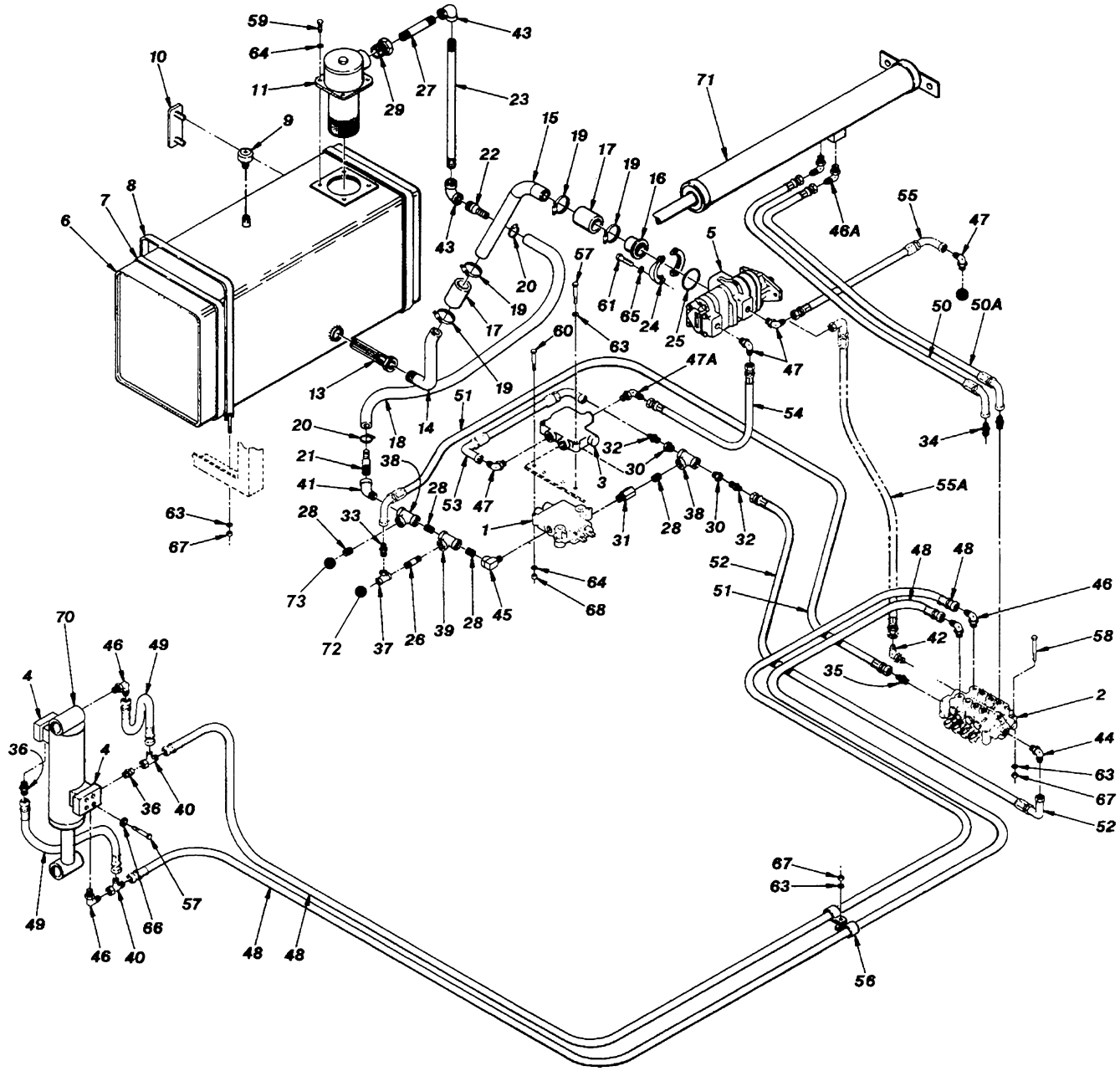



Figure 18358-2

## 18358-2 (1 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P18196 | Valve, 2 Spool, Boom Control | 1 | 740 – 1964 | |
| | 25700D | Retrofit Kit, Valve, 2 Spool, Boom Control | – | " – " | Includes P27362 Valve. For retrofitted machines only. |
| | P27362 | Valve, 2 Spool, Boom Control | – | " – " | Used with 25700D Kit only. |
| NI | P20276 | Seal Kit - 2 Spool Valve - Boom Control | – | " – " | For P18196 Valve. |
| NI | P27370 | Seal Kit - Replacement Valve | – | " – " | For P27362 Valve. |
| 2 | P18197 | 4 Spool Valve, Controls | 1 | " – " | |
| NI | — | Seal Kit - 4 Spool Valve - Main Controls | – | " – " | |
| | P21758 | Valve Section (1 Req. per section) | – | " – " | |
| | P21759 | Main Relief | – | " – " | |
| 3 | P19292 | Valve, Priority | 1 | " – " | |
| 4 | P17686 | Valve, Counterbalance | 2 | " – " | |
| NI | P21486 | Seal Kit, Counterbalance Valve | – | " – " | |
| 5 | P21440 | Pump, Gear | 1 | " – " | G2020 |
| | P24770 | Pump, Vane | – | 737 – 760 | |
| 6 | P20403 | Tank, Fuel/Hydraulic Oil | 1 | 740 – 1964 | Includes Fuel Sender |
| 7 | P20284 | Belting, Chemprene | 2 | " – " | |
| 8 | 15781B | Strap, Tank Hold Down | 2 | " – " | |
| 9 | P21674 | Breather, Hydraulic Oil | 1 | " – " | |
| 10 | P21482 | Sight Gauge, Hydraulic Oil | 1 | " – " | Includes Hardware |
| 11 | 25874A | Return Filter, Hydraulic Oil | 1 | " – " | |
| 11A | P24981 | Gauge, Pressure | - | " – " | |
| NI | P27810 | Filter Element, Hydraulic Oil | - | " – " | |
| NI | P26040 | Gasket, Tank | - | " – " | |
| NI | P26041 | O-Ring, Element | - | " – " | |
| NI | P26042 | O-Ring, Head | - | " – " | |
| NI | P26043 | O-Ring, Cover | - | " – " | |
| 13 | P19878 | Strainer, Hydraulic Oil | 1 | " – " | |
| 14 | 16747B | Elbow, Suction Tube | 1 | " – " | Lower |
| 15 | 18090B | Elbow, Suction Tube | 1 | " – " | Upper |
| 16 | 18518A | Flange Adapter | 1 | " – " | |
| 17 | N11553 | Hose, Suction | 2 | " – " | 2 3/8" I.D. |
| 18 | N11591 | Hose, Return | 1 | " – " | 1 1/4" I.D. |
| 19 | P10601 | Clamp, Hose | 4 | " – " | #36 |
| 20 | P14043 | Clamp, Hose | 2 | " – " | #24 |
| 21 | P24780 | Swaged Hose Nipple | 1 | " – " | |
| 22 | P18142 | Swaged Hose Nipple | 1 | " – " | |
| 23 | 18022A | Return Pipe | 1 | " – " | |
| 24 | P17672 | Flange Half | 2 | " – " | |
| 25 | P12971 | O-Ring | 1 | " – " | |
| 26 | P10610 | Nipple , Pipe | 1 | 740 – 1964 | |
| | P10610 | Nipple , Pipe | 2 | 740 – 1694 | |

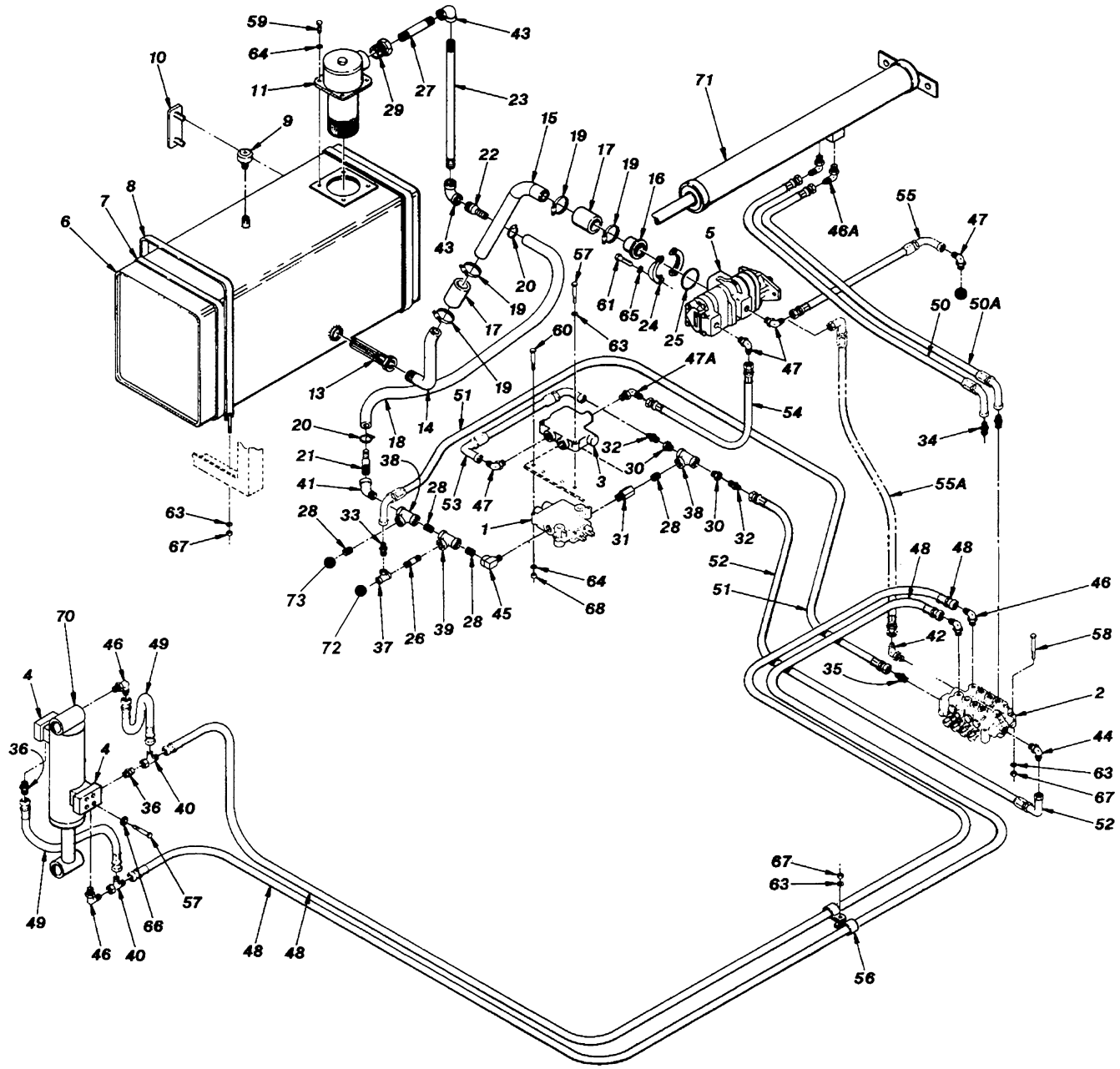



Figure 18358-2

## 18358-2 (2 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 27 | P10846 | Nipple, Pipe | 1 | 740 – 1964 | |
| 28 | P10900 | Nipple, Close | 4 | 740 – 1964 | |
| | P10900 | Nipple, Close | 2 | 740 – 1694 | |
| 29 | P10132 | Reducer Bushing | 1 | 740 – 1964 | |
| 30 | P10180 | Reducer Bushing | 2 | " – " | |
| 31 | P19054 | Adapter, O-Ring/Female Pipe | 1 | " – " | |
| 32 | P17804 | Connector, JIC - Pipe | 2 | " – " | |
| 33 | P18933 | Connector, JIC - Pipe | 1 | " – " | |
| 34 | P18937 | Connector, O-Ring | 2 | " – " | Long |
| 35 | P18997 | Connector, O-Ring | 1 | " – " | |
| 36 | P19478 | Connector, O-Ring | 2 | " – " | |
| 37 | P10106 | Tee, Pipe | 1 | " – " | |
| 38 | P10173 | Tee, Pipe | 2 | 740 – 1964 | |
| | P10173 | Tee, Pipe | 1 | 740 – 1694 | |
| 39 | P19052 | Tee, Pipe - Reducer | 1 | 740 – 1964 | |
| 40 | P19412 | Tee, Swivel | 2 | 740 – 1964 | |
| 41 | P10219 | 45° Elbow, Street | 1 | 740 – 1964 | |
| 42 | P19147 | 45° Elbow, O-Ring | 1 | 740 – 1694 | |
| 43 | P10230 | 90° Elbow, Pipe | 2 | 740 – 1964 | |
| 44 | P19055 | 90° Elbow, O-Ring | 1 | 740 – 1964 | |
| 45 | P19056 | 90° Elbow, O-Ring/Female Pipe | 1 | 740 – 1964 | |
| 46 | P18935 | 90° Elbow, O-Ring | 4 | 740 – 1964 | |
| 46A | P18935 | 90° Elbow, O-Ring | 2 | 975 – 1964 | |
| | P18936 | Connector, O-Ring | 2 | 101 – 974 | |
| 47 | P17802 | 90° Elbow, O-Ring | 4 | 740 – 1964 | |
| | P17802 | 90° Elbow, O-Ring | 3 | 740 – 1694 | |
| 47A | P17802 | 90° Elbow, O-Ring | 1 | 1695 – 1964 | |
| | 17960A | 90° Elbow, O-Ring | 1 | 823 – 1694 | With Tapped Hole |
| | P17805 | Connector, O-Ring | 1 | 740 – 822 | |
| 48 | P19049 | Hose, Hyd. | 2 | 740 – 1964 | .25" x 104" |
| 49 | P19490 | Hose, Hyd. | 2 | 740 – 1964 | .25" x 24" |
| 50 | P18855 | Hose, Hyd. | 1 | 740 – 1964 | .38" x 70" |
| 50A | P18855 | Hose, Hyd. | 1 | 740 – 1964 | .38" x 70" |
| | P21398 | Hose, Hyd. | 1 | 147 – 974 | .38" x 130" |
| 51 | P18911 | Hose, Hyd. | 1 | 740 – 1964 | .50" x 28" |
| 52 | P18922 | Hose, Hyd. | 1 | 740 – 1964 | .75" x 24" |
| 53 | P19494 | Hose, Hyd. | 1 | 740 – 1964 | .75" x 12" |
| 54 | P24621 | Hose, Hyd. | 1 | 823 – 1964 | .75" x 60" |
| | P24643 | Hose, Hyd. | 1 | 740 – 822 | .75" x 10" |
| 55 | P26618 | Hose, Hyd. | 1 | 740 – 1964 | .75" x 11" |
| 55A | P24622 | Hose, Hyd. | 1 | 823 – 1964 | .75" x 60" |
| | P24642 | Hose, Hyd. | 1 | 740 – 822 | .75" x 9.75" |
| 56 | P17554 | Clamp, Hyd. Hose | 4 | 740 – 1964 | |
| 57 | P00109 | Bolt, Hx. | 10 | " – " | 5/16"-18 x 2 1/4" |
| 58 | P00111 | Bolt, Hx. | 3 | " – " | 5/16"-18 x 2 3/4" |
| 59 | P00204 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1" |
| 60 | P00210 | Bolt, Hx. | 3 | " – " | 3/8"-16 x 2 1/2" |
| 61 | P00404 | Bolt, Hx. | 4 | " – " | 1/2"-13 x 1 1/2" |

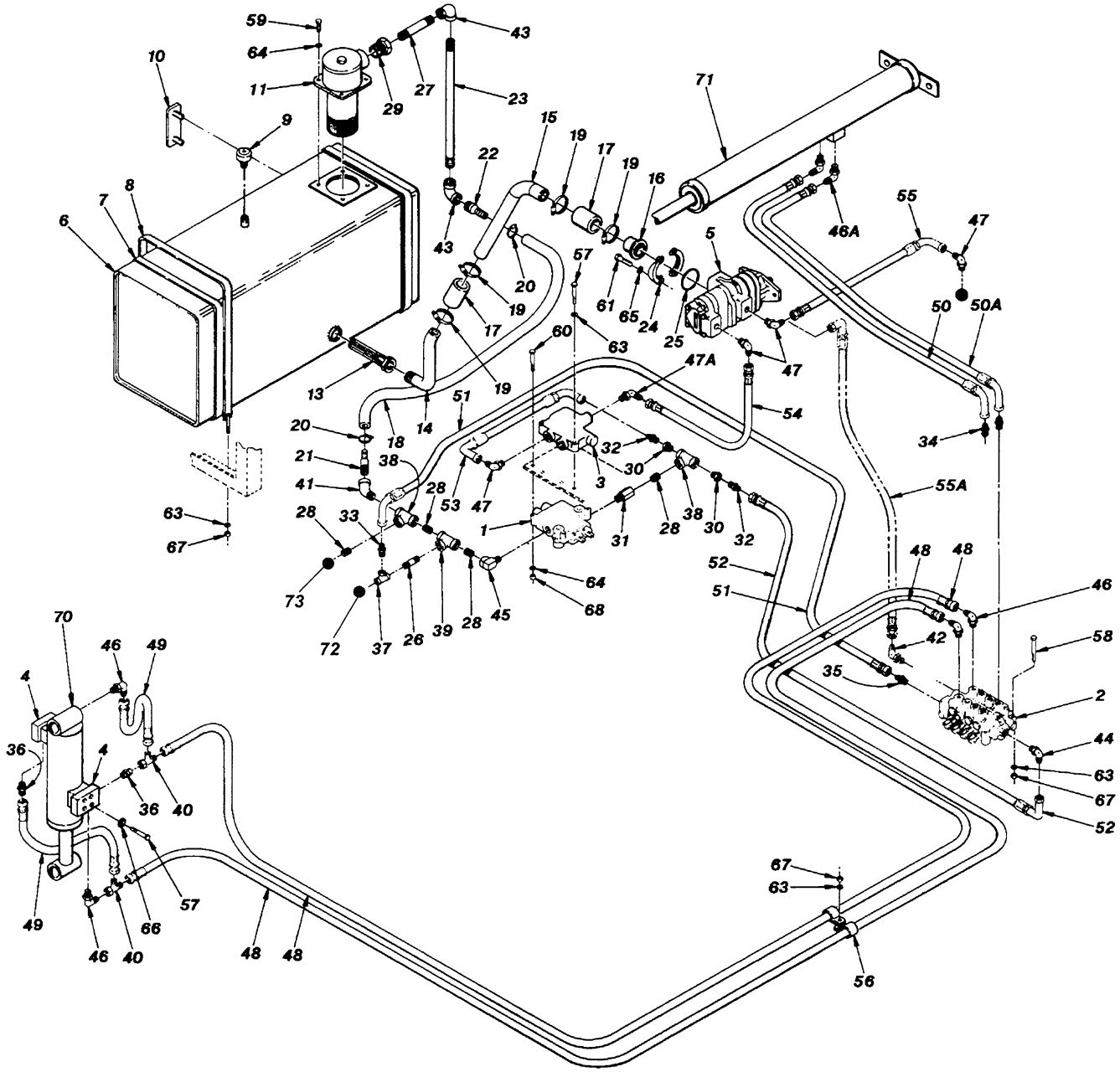



Figure 18358-2

## 18358-2 (3 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| NI | P00405 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1 3/4" |
| 63 | P01309 | Lockwasher | 11 | " – " | 5/16" |
| 64 | P01310 | Lockwasher | 7 | " – " | 3/8" |
| 65 | P01312 | Lockwasher | 6 | " – " | 1/2" |
| 66 | P01358 | Starwasher | 8 | " – " | 5/16" |
| 67 | P01507 | Nut, Hx. | 9 | " – " | 5/16"-18 |
| 68 | P01508 | Nut, Hx. | 3 | " – " | 3/8"-16 |
| NI | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 70 | P24741 | Cylinder, Frame Tilt | 1 | 761 – 1964 | |
| | P19937 | Cylinder, Frame Tilt | 1 | 101 – 760 | |
| 71 | P24744 | Cylinder, Transfer | 1 | 761 – 1964 | |
| | P19938 | Cylinder, Transfer | 1 | 101 – 760 | |
| NI | 21604A | Spacer, Transfer Cylinder | A/R | ..... | |
| 72 | See Page 5-70 | Steering Hydraulics | – | ..... | |
| 73 | See Page 6-6 | Service Brake | – | ..... | |

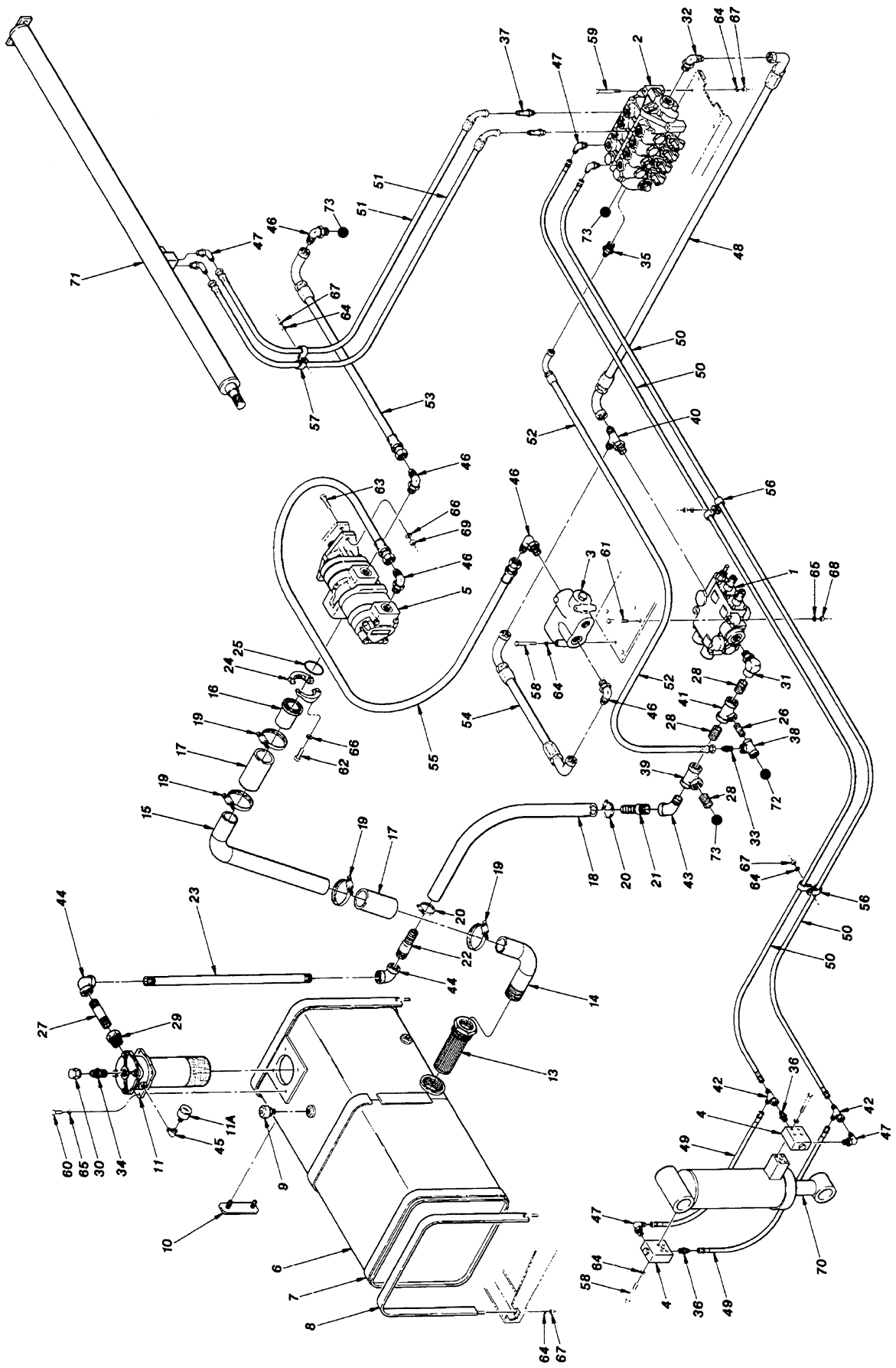


Figure 18358-3

## 18358-3 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P28481 | 2 Spool Valve, Boom Control | 1 | 1965 – 2157 | |
| NI | P27370 | Seal Kit - 2 Spool Valve - Boom Control | – | " – " | |
| 2 | P18197 | 4 Spool Valve, Controls | 1 | " – " | |
| NI | — | Seal Kit - 4 Spool Valve - Main Controls | – | " – " | |
| | P21758 | Valve Section | – | " – " | 1 Req. per Section |
| | P21759 | Main Relief | – | " – " | |
| 3 | P19292 | Valve, Priority | 1 | " – " | |
| 4 | P17686 | Valve, Counterbalance | 2 | " – " | |
| NI | P21486 | Seal Kit, Counterbalance Valve | – | " – " | |
| 5 | P21440 | Pump, Gear | 1 | " – " | |
| 6 | P20403 | Tank, Fuel/Hydraulic Oil | 1 | " – " | Includes Fuel Sender |
| 7 | P20284 | Belting, Chemprene | 2 | " – " | |
| 8 | 15781B | Strap, Tank Hold Down | 2 | " – " | |
| 9 | P21674 | Breather, Hydraulic Oil | 1 | " – " | |
| 10 | P21482 | Sight Gauge, Hydraulic Oil | 1 | " – " | Includes Hardware |
| 11 | P27808 | Return Filter, Hydraulic Oil | 1 | " – " | |
| 11A | P24981 | Gauge, Pressure | - | " – " | |
| NI | P27810 | Filter Element, Hydraulic Oil | - | " – " | |
| NI | P26040 | Gasket, Tank | - | " – " | |
| NI | P26041 | O-Ring, Element | - | " – " | |
| NI | P26042 | O-Ring, Head | - | " – " | |
| NI | P26043 | O-Ring, Cover | - | " – " | |
| 13 | P19878 | Strainer, Hydraulic Oil | 1 | " – " | |
| 14 | 16747B | Elbow, Suction Tube | 1 | " – " | Lower |
| 15 | 18090B | Elbow, Suction Tube | 1 | " – " | Upper |
| 16 | 18518A | Flange Adapter | 1 | " – " | |
| 17 | N11553 | Hose, Suction | 1 | " – " | 2 3/8" I.D. |
| 18 | N11591 | Hose, Return | 1 | " – " | 1 1/4" I.D. |
| 19 | P10601 | Clamp, Hose | 4 | " – " | #36 |
| 20 | P14043 | Clamp, Hose | 2 | " – " | #24 |
| 21 | P24780 | Swaged Hose Nipple | 2 | " – " | |
| 22 | P18142 | Swaged Hose Nipple | 1 | " – " | |
| 23 | 18022A | Return Pipe | 1 | " – " | |
| 24 | P17672 | Flange Half | 2 | " – " | |
| 25 | P12971 | O-Ring | 1 | " – " | |
| 26 | P10610 | Nipple, Pipe | 1 | " – " | |
| 27 | P10846 | Nipple, Pipe | 1 | " – " | |
| 28 | P10900 | Nipple, Close | 3 | " – " | |
| 29 | P10132 | Reducer Bushing | 1 | " – " | |
| 30 | P17785 | Cap, Hex | 1 | " – " | |
| 31 | P19056 | 90° Elbow, O-Ring/Female Pipe | 1 | " – " | |
| 32 | P19055 | 90° Elbow, O-Ring | 1 | " – " | |
| 33 | P18933 | Connector, JIC - Pipe | 1 | " – " | |
| 34 | P17805 | Connector, O-Ring | 1 | " – " | |

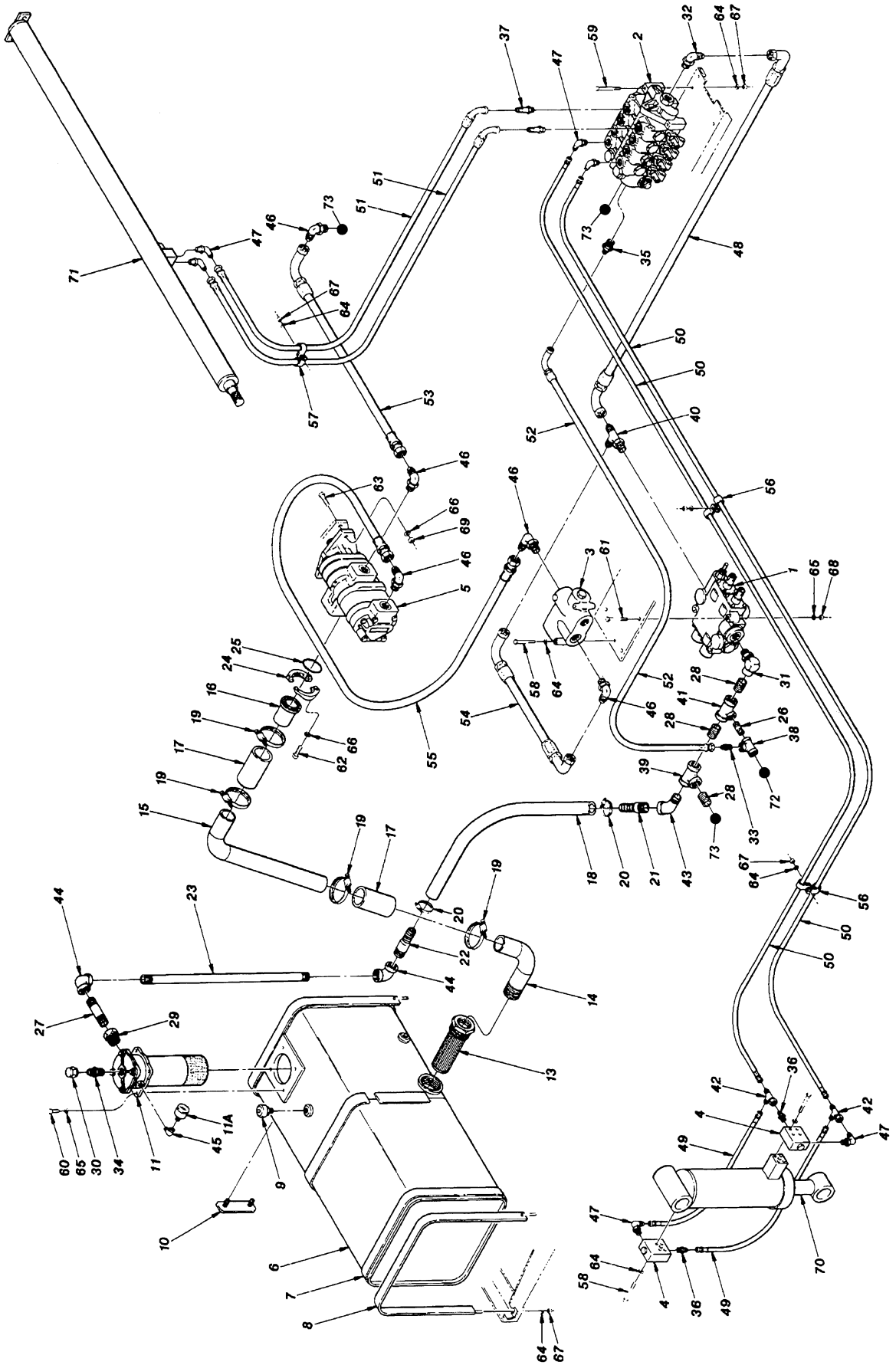


Figure 18358-3

## 18358-3 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 35 | P18997 | Connector, O-Ring | 1 | " – " | |
| 36 | P19478 | Connector, O-Ring | 2 | " – " | |
| 37 | P18937 | Connector, O-Ring | 2 | " – " | Long |
| 38 | P10106 | Tee, Pipe | 1 | " – " | |
| 39 | P10173 | Tee, Pipe | 1 | " – " | |
| 40 | P26603 | Tee, O-Ring | 1 | " – " | |
| 41 | P19052 | Tee, Pipe - Reducer | 1 | " – " | |
| 42 | P19412 | Tee, Swivel | 2 | " – " | |
| 43 | P10219 | 45° Elbow, Street | 1 | " – " | |
| 44 | P10230 | 90° Elbow, Pipe | 2 | " – " | |
| 45 | P27358 | 90° Elbow, Hyd. Pipe | 1 | " – " | |
| 46 | P17802 | 90° Elbow, O-Ring | 5 | " – " | |
| 47 | P18935 | 90° Elbow, O-Ring | 6 | " – " | |
| 48 | P27713 | Hose, Hyd. | 1 | " – " | .75" x 24" |
| 49 | P27428 | Hose, Hyd. | 2 | " – " | .25" x 25" |
| 50 | P19049 | Hose, Hyd. | 2 | " – " | .25" x 104" |
| 51 | P27190 | Hose, Hyd. | 2 | " – " | .38" x 70" |
| 52 | P18911 | Hose, Hyd. | 1 | " – " | .50" x 28" |
| 53 | P26618 | Hose, Hyd. | 1 | " – " | .75" x 11" |
| 54 | P27717 | Hose, Hyd. | 1 | " – " | .75" x 9" |
| 55 | P24621 | Hose, Hyd. | 1 | " – " | .75" x 60" |
| 56 | P17554 | Clamp, Hyd. Hose | 5 | " – " | |
| 57 | P17553 | Clamp, Hyd. Hose | 2 | " – " | |
| 58 | P00109 | Bolt, Hx. | 10 | " – " | 5/16"-18 x 2 1/4" |
| 59 | P00111 | Bolt, Hx. | 3 | " – " | 5/16"-18 x 2 3/4" |
| 60 | P00204 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1" |
| 61 | P00210 | Bolt, Hx. | 3 | " – " | 3/8"-16 x 2 1/2" |
| 62 | P00404 | Bolt, Hx. | 4 | " – " | 1/2"-13 x 1 1/2" |
| 63 | P00405 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1 3/4" |
| 64 | P01309 | Lockwasher | 20 | " – " | 5/16" |
| 65 | P01310 | Lockwasher | 7 | " – " | 3/8" |
| 66 | P01312 | Lockwasher | 6 | " – " | 1/2" |
| 67 | P01507 | Nut, Hx. | 10 | " – " | 5/16"-18 |
| 68 | P01508 | Nut, Hx. | 3 | " – " | 3/8"-16 |
| 69 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 70 | P24741 | Cylinder, Frame Tilt | 1 | " – " | |
| 71 | P24744 | Cylinder, Transfer | 1 | " – " | |
| 72 | See Page 5-72 | Steering Hydraulics | – | ..... | |
| 73 | See Page 6-10 | Hydr. Service Brake | – | ..... | |

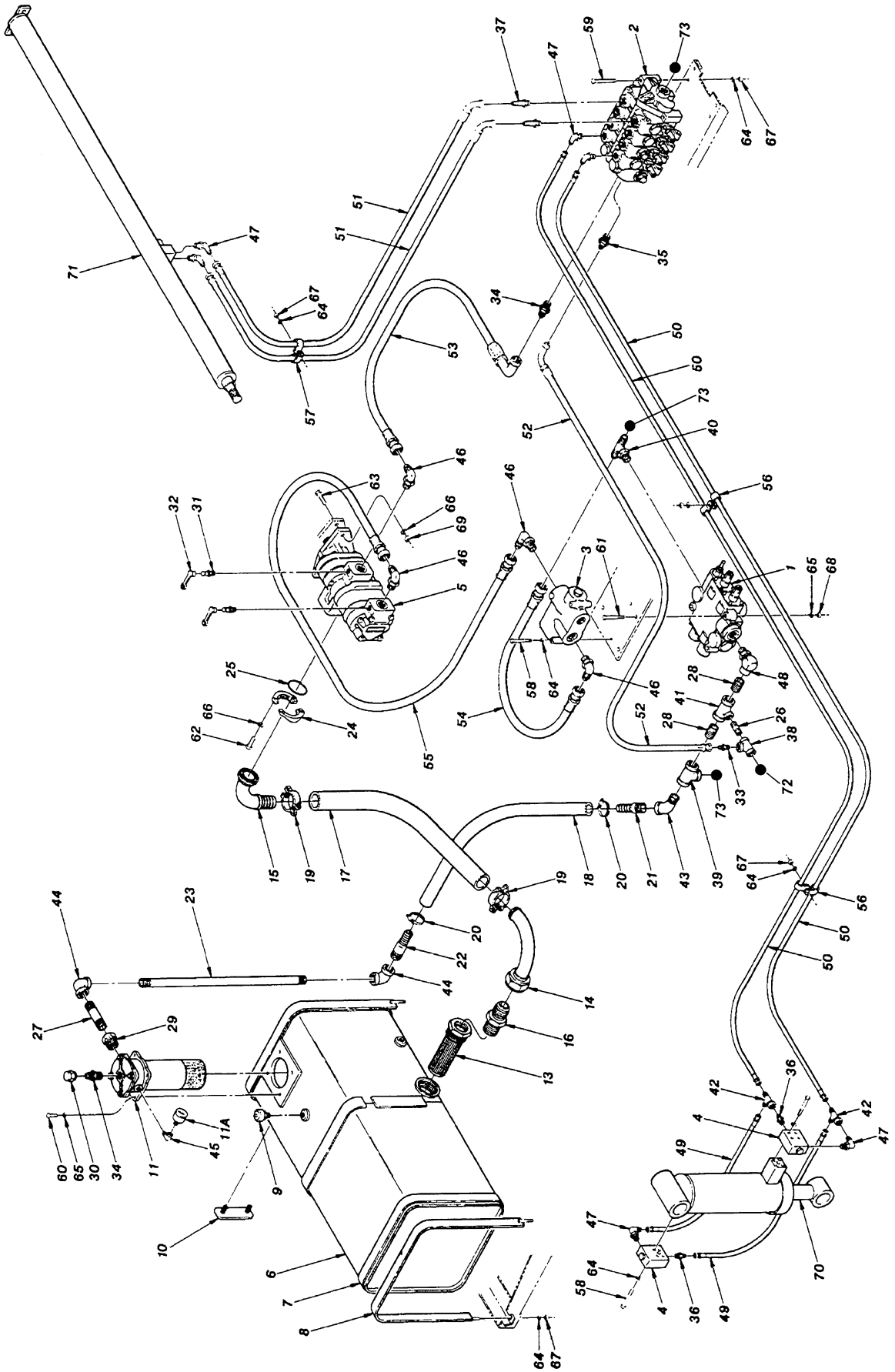


Figure 18358-4

## 18358-4 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P28481 | 2 Spool Valve, Boom Control | 1 | 2158 – | |
| NI | P27370 | Seal Kit - 2 Spool Valve - Boom Control | – | " – " | |
| 2 | P18197 | 4 Spool Valve, Controls | 1 | " – " | |
| NI | — | Seal Kit - 4 Spool Valve - Main Controls | – | " – " | |
| | P21758 | Valve Section | – | " – " | 1 Req. per Section |
| | P21759 | Main Relief | – | " – " | |
| 3 | P19292 | Valve, Priority | 1 | " – " | |
| 4 | P17686 | Valve, Counterbalance | 2 | " – " | |
| NI | P21486 | Seal Kit, Counterbalance Valve | – | " – " | |
| 5 | P21440 | Pump, Gear | 1 | " – " | |
| 6 | P20403 | Tank, Fuel/Hydraulic Oil | 1 | " – " | Includes Fuel Sender |
| 7 | P20284 | Belting, Chemprene | 2 | " – " | |
| 8 | 15781B | Strap, Tank Hold Down | 2 | " – " | |
| 9 | P21674 | Breather, Hydraulic Oil | 1 | " – " | |
| 10 | P21482 | Sight Gauge, Hydraulic Oil | 1 | " – " | Includes Hardware |
| 11 | P27808 | Return Filter, Hydraulic Oil | 1 | " – " | |
| 11A | P24981 | Gauge, Pressure | – | " – " | |
| NI | P27810 | Filter Element, Hydraulic Oil | – | " – " | |
| NI | P26040 | Gasket, Tank | – | " – " | |
| NI | P26041 | O-Ring, Element | – | " – " | |
| NI | P26042 | O-Ring, Head | – | " – " | |
| NI | P26043 | O-Ring, Cover | – | " – " | |
| 13 | P19878 | Strainer, Hydraulic Oil | 1 | " – " | |
| 14 | P27469 | Elbow, Suction Tube | 1 | " – " | |
| 15 | P20892 | Flange Hd. Connector, 90° Elbow | 1 | " – " | |
| 16 | P26606 | Connector, JIC - Pipe | 1 | " – " | |
| 17 | N11812 | Hose, Suction | 1 | " – " | 2" I.D. |
| 18 | N11591 | Hose, Return | 1 | " – " | 1 1/4" I.D. |
| 19 | P26026 | Hose Clamp, Bolt Type | 2 | " – " | |
| 20 | P14043 | Clamp, Hose | 2 | " – " | |
| 21 | P24780 | Swaged Hose Nipple | 1 | " – " | |
| 22 | P18142 | Swaged Hose Nipple | 1 | " – " | |
| 23 | 18022A | Return Pipe | 1 | " – " | |
| 24 | P17672 | Flange Half | 2 | " – " | |
| 25 | P12971 | O-Ring | 1 | " – " | |
| 26 | P10610 | Nipple, Pipe | 1 | " – " | |
| 27 | P10846 | Nipple, Pipe | 1 | " – " | |
| 28 | P10900 | Nipple, Close | 2 | " – " | |
| 29 | P10132 | Reducer Bushing | 1 | " – " | |
| 30 | P17785 | Cap, Hex | 1 | " – " | |
| 31 | P27378 | Nipple, Pressure Check | 2 | " – " | |
| 32 | P27805 | Dust Cap | 2 | " – " | |
| 33 | P18933 | Connector, JIC - Pipe | 1 | " – " | |
| 34 | P17805 | Connector, O-Ring | 2 | " – " | |

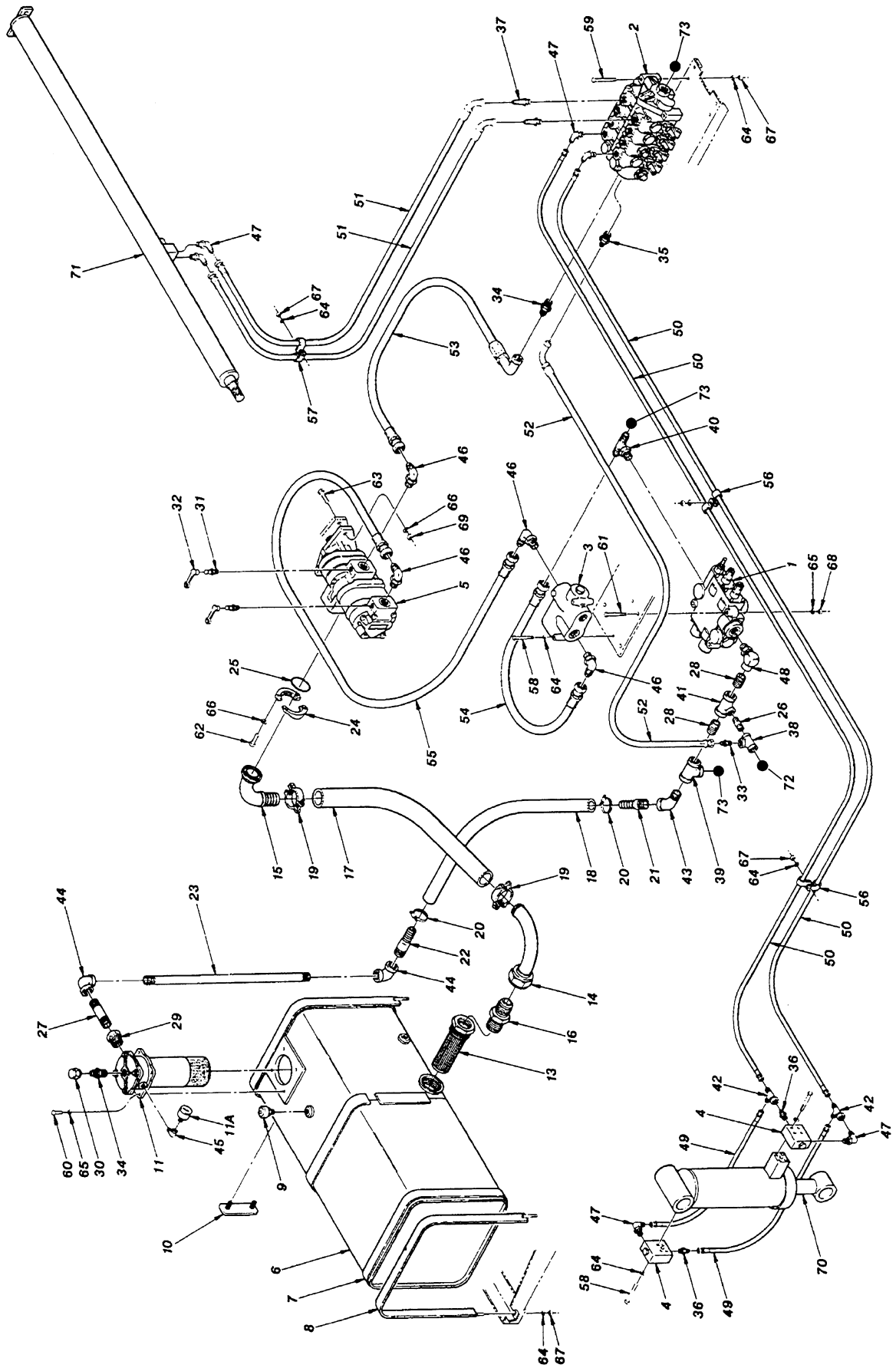


Figure 18358-4

## 18358-4 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 35 | P18997 | Connector, O-Ring | 1 | " – " | |
| 36 | P19478 | Connector, O-Ring | 2 | " – " | |
| 37 | P18937 | Connector, O-Ring | 2 | " – " | Long |
| 38 | P10106 | Tee, Pipe | 1 | " – " | |
| 39 | P10173 | Tee, Pipe | 1 | " – " | |
| 40 | P21915 | Tee, O-Ring | 1 | " – " | |
| 41 | P19052 | Tee, Pipe - Reducer | 1 | " – " | |
| 42 | P19412 | Tee, Swivel | 2 | " – " | |
| 43 | P10219 | 45° Elbow, Street | 1 | " – " | |
| 44 | P10230 | 90° Elbow, Pipe | 2 | " – " | |
| 45 | P27358 | 90° Elbow, Hyd. Pipe | 1 | " – " | |
| 46 | P17802 | 90° Elbow, O-Ring | 4 | " – " | |
| 47 | P18935 | 90° Elbow, O-Ring | 6 | " – " | |
| 48 | P19056 | 90° Elbow, O-Ring/Female Pipe | 1 | " – " | |
| 49 | P27428 | Hyd. Hose | 2 | " – " | .25" x 25" |
| 50 | P19049 | Hyd. Hose | 2 | " – " | .25" x 104" |
| 51 | P27190 | Hyd. Hose | 2 | " – " | .38" x 70" |
| 52 | P18911 | Hyd. Hose | 1 | " – " | .50" x 28" |
| 53 | P26101 | Hyd. Hose | 1 | " – " | .75" x 22" |
| 54 | P27711 | Hyd. Hose | 1 | " – " | .75" x 24" |
| 55 | P24621 | Hyd. Hose | 1 | " – " | .75" x 60" |
| 56 | P17554 | Clamp, Hyd. Hose | 4 | " – " | |
| 57 | P17553 | Clamp, Hyd. Hose | 2 | " – " | |
| 58 | P00109 | Bolt, Hx. | 1 | " – " | 5/16"-18 x 2 1/4" |
| 59 | P00111 | Bolt, Hx. | 3 | " – " | 5/16"-18 x 2 3/4" |
| 60 | P00204 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1" |
| 61 | P00210 | Bolt, Hx. | 3 | " – " | 3/8"-16 x 2 1/2" |
| 62 | P00404 | Bolt, Hx. | 4 | " – " | 1/2"-13 x 1 1/2" |
| 63 | P00405 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 1 3/4" |
| 64 | P01309 | Lockwasher | 20 | " – " | 5/16" |
| 65 | P01310 | Lockwasher | 7 | " – " | 3/8" |
| 66 | P01312 | Lockwasher | 6 | " – " | 1/2" |
| 67 | P01507 | Nut, Hx. | 10 | " – " | 5/16"-18 |
| 68 | P01508 | Nut, Hx. | 3 | " – " | 3/8"-16 |
| 69 | P01510 | Nut, Hx. | 2 | " – " | 1/2"-13 |
| 70 | P24741 | Cylinder, Frame Tilt | 1 | " – " | |
| 71 | P24744 | Cylinder, Transfer | 1 | " – " | |
| 72 | See Page 5-72 | Steering Hydraulics | – | ..... | |
| 73 | See Page 6-14 | Hydr. Service Brake | – | ..... | |

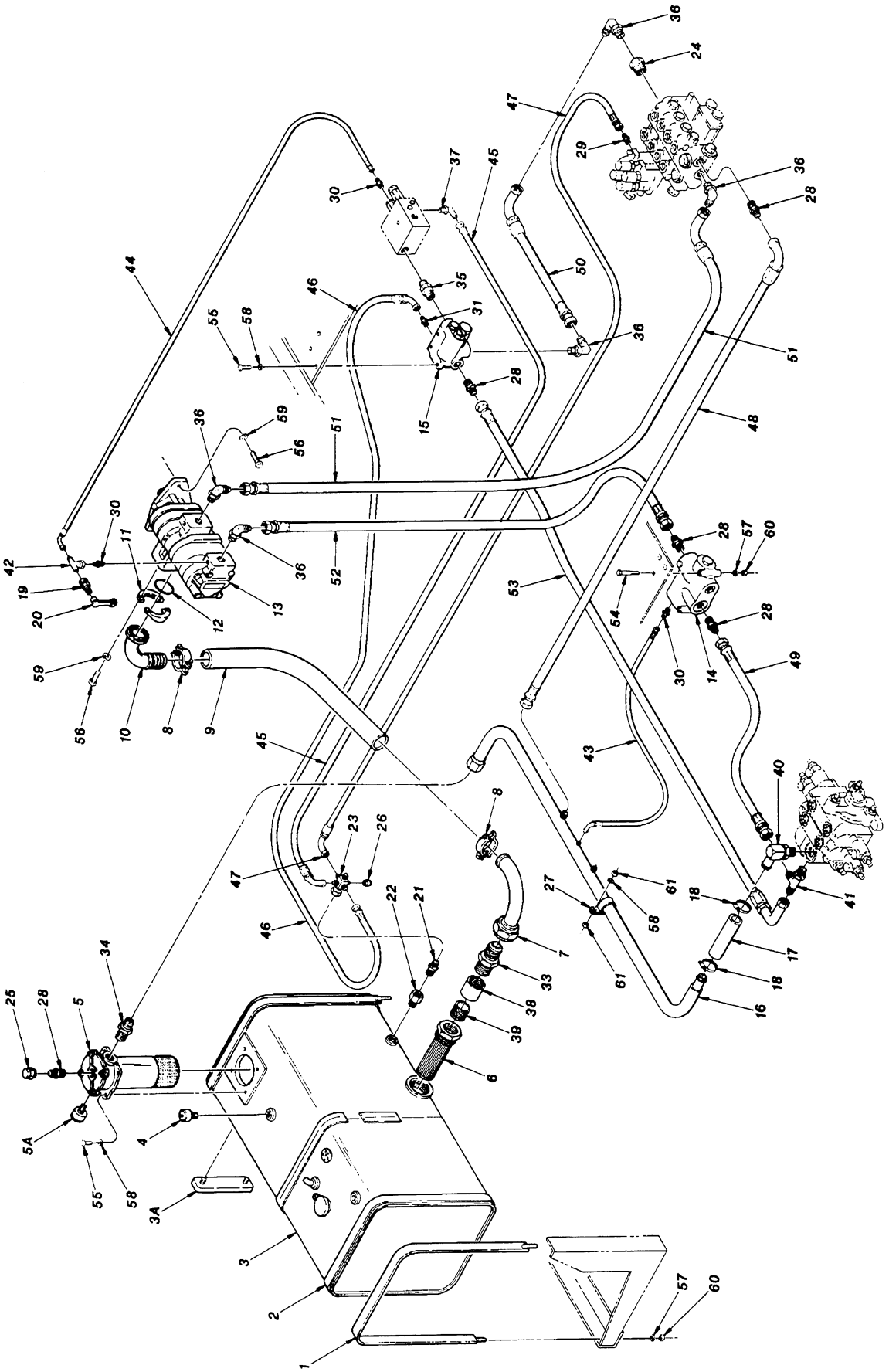



Figure 18358-5

## 18358-5 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 15781B | Strap, Tank Hold Down | 2 | 2784 – 3111 | |
| 2 | P20284 | Belting, Chemprene | 2 | " – " | |
| 3 | P20403 | Tank, Fuel/Hydraulic | 1 | " – " | |
| 3A | P21482 | Sight Gauge, Hyd. Oil | 1 | " – " | Includes Hardware |
| 4 | P21674 | Breather, Hydraulic Tank | 1 | " – " | |
| 5 | P27808 | Return Filter, Hydraulic Oil | 1 | " – " | |
| 5A | P24981 | Gauge, Pressure | 1 | " – " | |
| NI | P27810 | Filter Element, Hydraulic Oil | 1 | " – " | |
| NI | P26040 | Gasket, Tank | 1 | " – " | |
| NI | P30204 | Gasket, Bypass | 1 | " – " | |
| NI | P26041 | O-Ring, Bypass | A/R | " – " | |
| NI | P26042 | O-Ring, Head | 1 | " – " | |
| NI | P26043 | O-Ring, Cover | 1 | " – " | |
| 6 | P19878 | Strainer, Hydraulic Oil | 1 | " – " | |
| 7 | P27469 | Elbow, Suction Tube | 1 | " – " | |
| 8 | P26026 | Hose Clamp, Bolt Type | 2 | " – " | |
| 9 | N12072 | Hose, Suction - 2" I.D. | 1 | " – " | |
| 10 | P20892 | Flange Hd. Connector, 90° Elbow | 1 | " – " | |
| 11 | P17672 | Flange Half | 2 | " – " | |
| 12 | P12971 | O-Ring | 1 | " – " | |
| 13 | P21440 | Pump, Gear | 1 | " – " | |
| 14 | P19292 | Valve, Priority | 1 | " – " | |
| 15 | P28728 | Valve, Accumulator Charge | 1 | " – " | |
| 16 | P28776 | Return Manifold | 1 | " – " | |
| 17 | N12073 | Hose, Return | 1 | " – " | 1 1/4" I.D. |
| 18 | P14043 | Clamp, Hose | 2 | " – " | |
| 19 | P27374 | Nipple, Pressure Check | 1 | " – " | |
| 20 | P27805 | Dust Cap | 1 | " – " | |
| 21 | P23848 | Valve, Check | 1 | " – " | |
| 22 | P28391 | Adapter, O-Ring - Pipe | 1 | " – " | |
| 23 | P40249 | Adapter, Cross | 1 | " – " | |
| 24 | P29919 | Sleeve, Power Beyond | 1 | " – " | |
| 25 | P17785 | Cap, Hex | 1 | " – " | |
| 26 | P28380 | Cap, Hex | 1 | " – " | |
| 27 | P17810 | Clamp, Tube | 1 | " – " | |
| 28 | P17805 | Connector, O-Ring | 5 | " – " | |
| 29 | P18936 | Connector, O-Ring | 1 | " – " | |
| 30 | P18960 | Connector, O-Ring | 3 | " – " | |
| 31 | P19415 | Connector, O-Ring | 1 | " – " | |
| 33 | P26606 | Connector, JIC - Pipe | 1 | " – " | |
| 34 | P27397 | Connector, JIC - Pipe | 1 | " – " | |
| 35 | P28261 | Connector, O-Ring to O-Ring | 1 | " – " | |
| 36 | P17802 | 90° Elbow, O-Ring | 5 | " – " | |
| 37 | P18935 | 90° Elbow, O-Ring | 1 | " – " | |
| 38 | P10671 | Coupling, Pipe | 1 | " – " | |
| 39 | P10894 | Nipple, Close | 1 | " – " | |
| 40 | P28387 | 90° Elbow, O-Ring to Hose | 1 | " – " | |

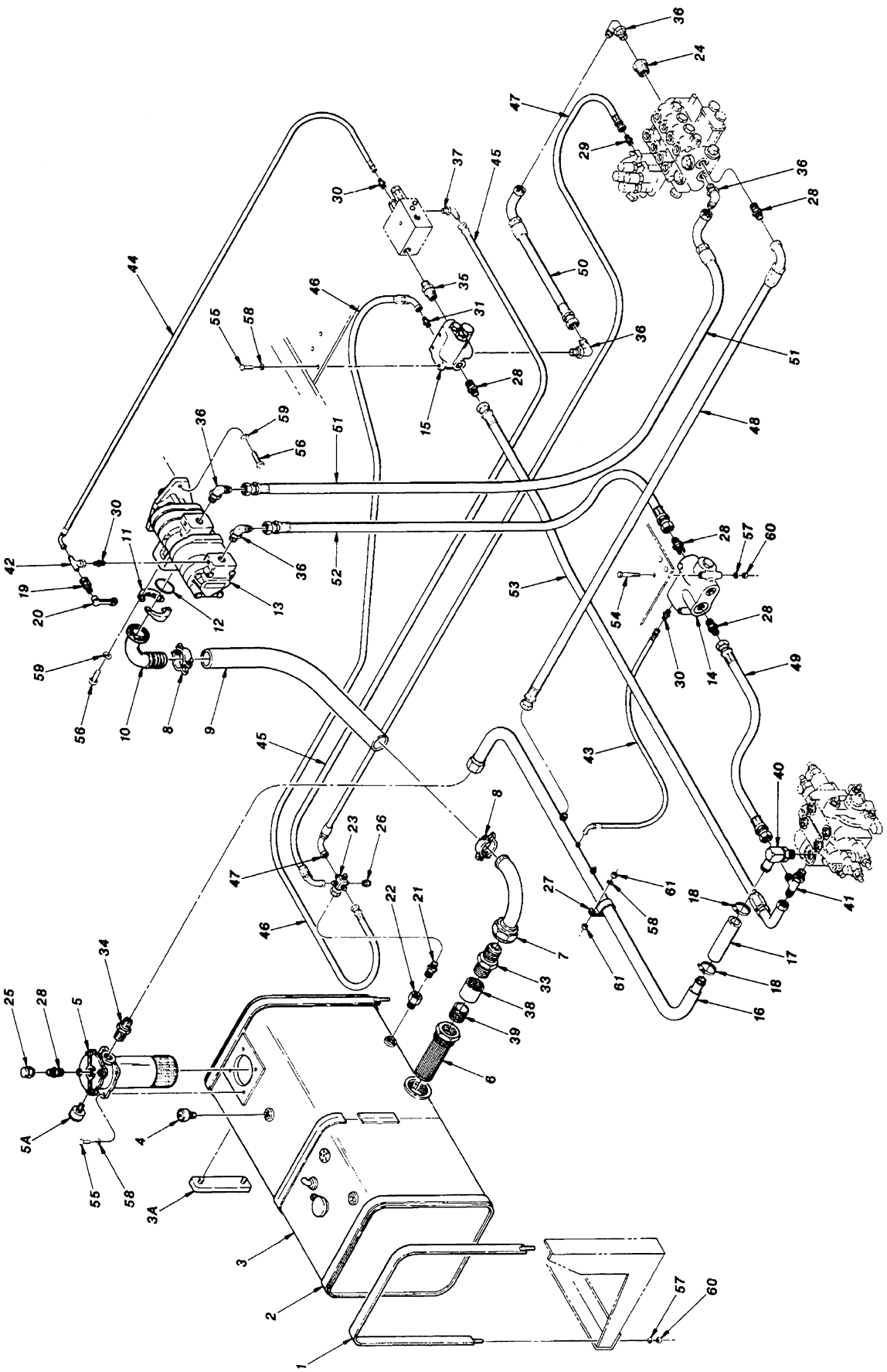



Figure 18358-5

## 18358-5 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 41 | P28386 | Tee, O-Ring | 1 | " – " | |
| 42 | P28837 | Tee, Swivel | 1 | " – " | |
| 43 | P29773 | Hose, Hyd. | 1 | " – " | .25" x 31" |
| 44 | P27661 | Hose, Hyd. | 1 | " – " | .25" x 28" |
| 45 | P29768 | Hose, Hyd. | 1 | " – " | .38" x 16" |
| 46 | P29471 | Hose, Hyd. | 1 | " – " | .38" x 18" |
| 47 | P27186 | Hose, Hyd. | 1 | " – " | .38" x 26" |
| 48 | P29764 | Hose, Hyd. | 1 | " – " | .75" x 47" |
| 49 | P29774 | Hose, Hyd. | 1 | " – " | .75" x 29" |
| 50 | P29763 | Hose, Hyd. | 1 | " – " | .75" x 19" |
| 51 | P29762 | Hose, Hyd. | 1 | " – " | .75" x 40" |
| 52 | P25225 | Hose, Hyd. | 1 | " – " | .75" x 20" |
| 53 | P29473 | Hose, Hyd. | 1 | " – " | .75" x 38" |
| 54 | P00114 | Bolt, Hx. | 2 | " – " | 5/16"-18 x 3 1/2" |
| 55 | P00204 | Bolt, Hx. | 7 | " – " | 3/8"-16 x 1" |
| 56 | P00403 | Bolt, Hx. | 6 | " – " | 1/2"-13 x 1 1/4" |
| 57 | P01309 | Lockwasher | 6 | " – " | 5/16" |
| 58 | P01310 | Lockwasher | 8 | " – " | 3/8" |
| 59 | P01312 | Lockwasher | 6 | " – " | 1/2" |
| 60 | P01507 | Nut, Hx. | 6 | " – " | 5/16"-18 |
| 61 | P01508 | Nut, Hx. | 2 | " – " | 3/8"-16 |

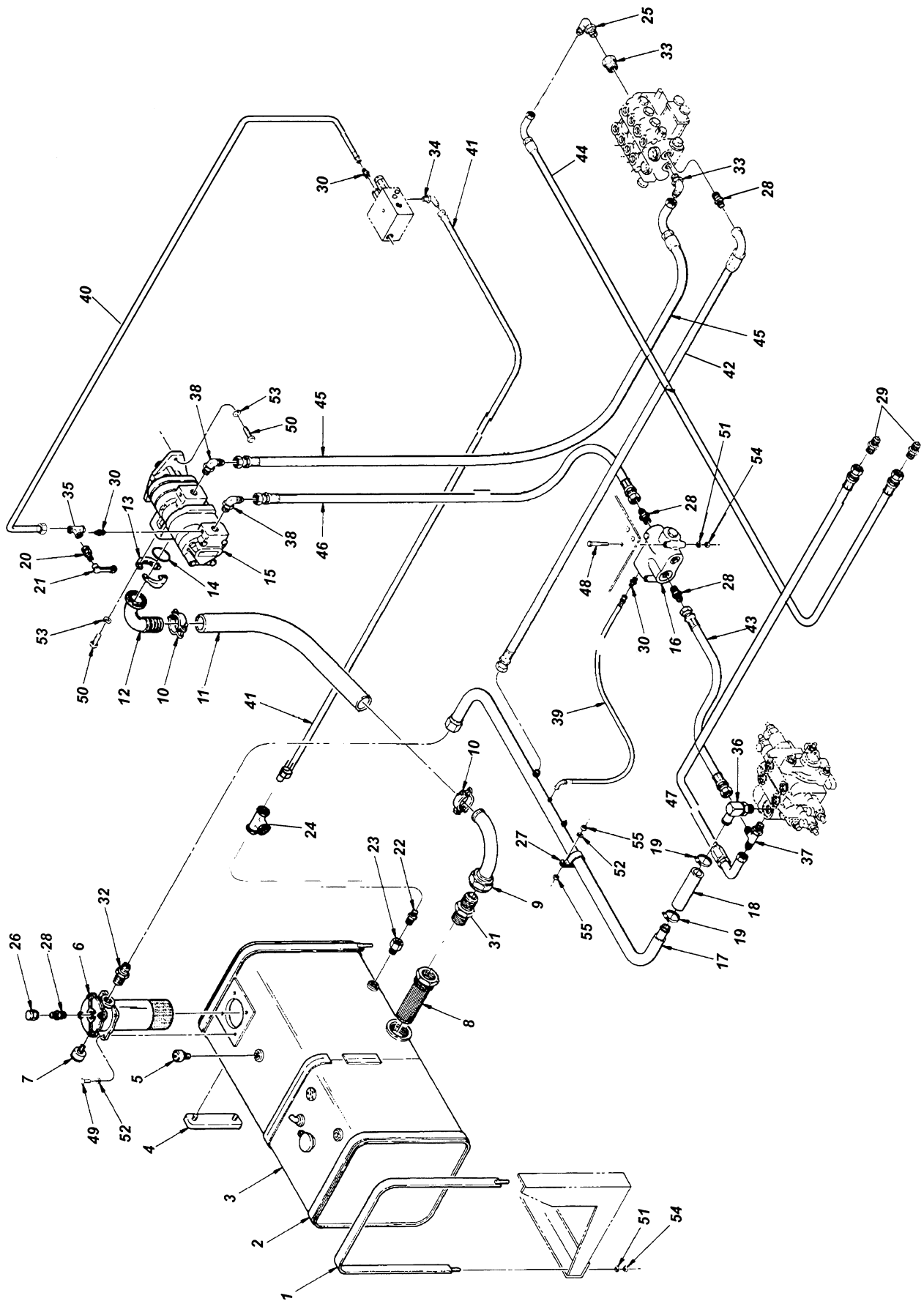



**Figure 18358-6**

## 18358-6 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 15781B | Strap, Tank Hold Down | 2 | ..... | |
| 2 | P20284 | Belting, Chemprene | 2 | ..... | |
| 3 | P20403 | Tank, Fuel/Hydraulic | 1 | ..... | |
| 4 | P21482 | Sight Gauge, Hyd. Oil | 1 | ..... | Includes Hardware |
| 5 | P21674 | Breather, Hydraulic Tank | 1 | ..... | |
| 6 | P27808 | Return Filter, Hydraulic Oil | 1 | ..... | |
| 7 | P24981 | Gauge, Pressure | 1 | ..... | |
| NI | P27810 | Filter Element, Hydraulic Oil | 1 | ..... | |
| NI | P26040 | Gasket, Tank | 1 | ..... | |
| NI | P30204 | Gasket, Bypass | 1 | ..... | |
| NI | P26042 | O-Ring, Head | 1 | ..... | |
| NI | P26043 | O-Ring, Cover | 1 | ..... | |
| 8 | P19878 | Strainer, Hydraulic Oil | 1 | ..... | |
| 9 | P27469 | Elbow, Suction Tube | 1 | ..... | |
| 10 | P26026 | Hose Clamp, Bolt Type | 2 | ..... | |
| 11 | N12332 | Hose, Suction - 2" I.D. | 1 | ..... | |
| 12 | P20892 | Flange Hd. Connector, 90° Elbow | 1 | ..... | |
| 13 | P17672 | Flange Half | 2 | ..... | |
| 14 | P12971 | O-Ring | 1 | ..... | |
| 15 | P31449 | Pump, Gear | 1 | ..... | |
| 16 | P19292 | Valve, Priority | 1 | ..... | |
| 17 | P28776 | Return Manifold | 1 | ..... | |
| 18 | N12073 | Hose, Return | 1 | ..... | 1 1/4" I.D. |
| 19 | P14043 | Clamp, Hose | 2 | ..... | |
| 20 | P27374 | Nipple, Pressure Check | 1 | ..... | |
| 21 | P27805 | Dust Cap | 1 | ..... | |
| 22 | P23848 | Valve, Check | 1 | ..... | |
| 23 | P28391 | Adapter, O-Ring - Pipe | 1 | ..... | |
| 24 | P20979 | Tee | 1 | ..... | |
| 25 | P29919 | Sleeve, Power Beyond | 1 | ..... | |
| 26 | P17785 | Cap, Hex | 1 | ..... | |
| 27 | P17810 | Clamp, Tube | 1 | ..... | |
| 28 | P17805 | Connector, O-Ring | 4 | ..... | |
| 29 | P19765 | Connector, O-Ring | 2 | ..... | |
| 30 | P18960 | Connector, O-Ring | 3 | ..... | |
| 31 | P26606 | Connector, JIC - Pipe | 1 | ..... | |
| 32 | P27397 | Connector, JIC - Pipe | 1 | ..... | |
| 33 | P17802 | 90° Elbow, O-Ring | 2 | ..... | |
| 34 | P18935 | 90° Elbow, O-Ring | 1 | ..... | |
| 35 | P27399 | Tee, Swivel | 1 | ..... | |
| 36 | P28387 | 90° Elbow, O-Ring to Hose | 1 | ..... | |
| 37 | P28386 | Tee, O-Ring | 1 | ..... | |
| 38 | P19147 | 45° Elbow, O-Ring to JIC | 2 | ..... | |
| 39 | P29773 | Hose, Hyd. | 1 | ..... | .25" x 31" |
| 40 | P27661 | Hose, Hyd. | 1 | ..... | .25" x 28" |
| 41 | P29768 | Hose, Hyd. | 1 | ..... | .38" x 16" |
| 42 | P29764 | Hose, Hyd. | 1 | ..... | .75" x 47" |
| 43 | P29774 | Hose, Hyd. | 1 | ..... | .75" x 29" |

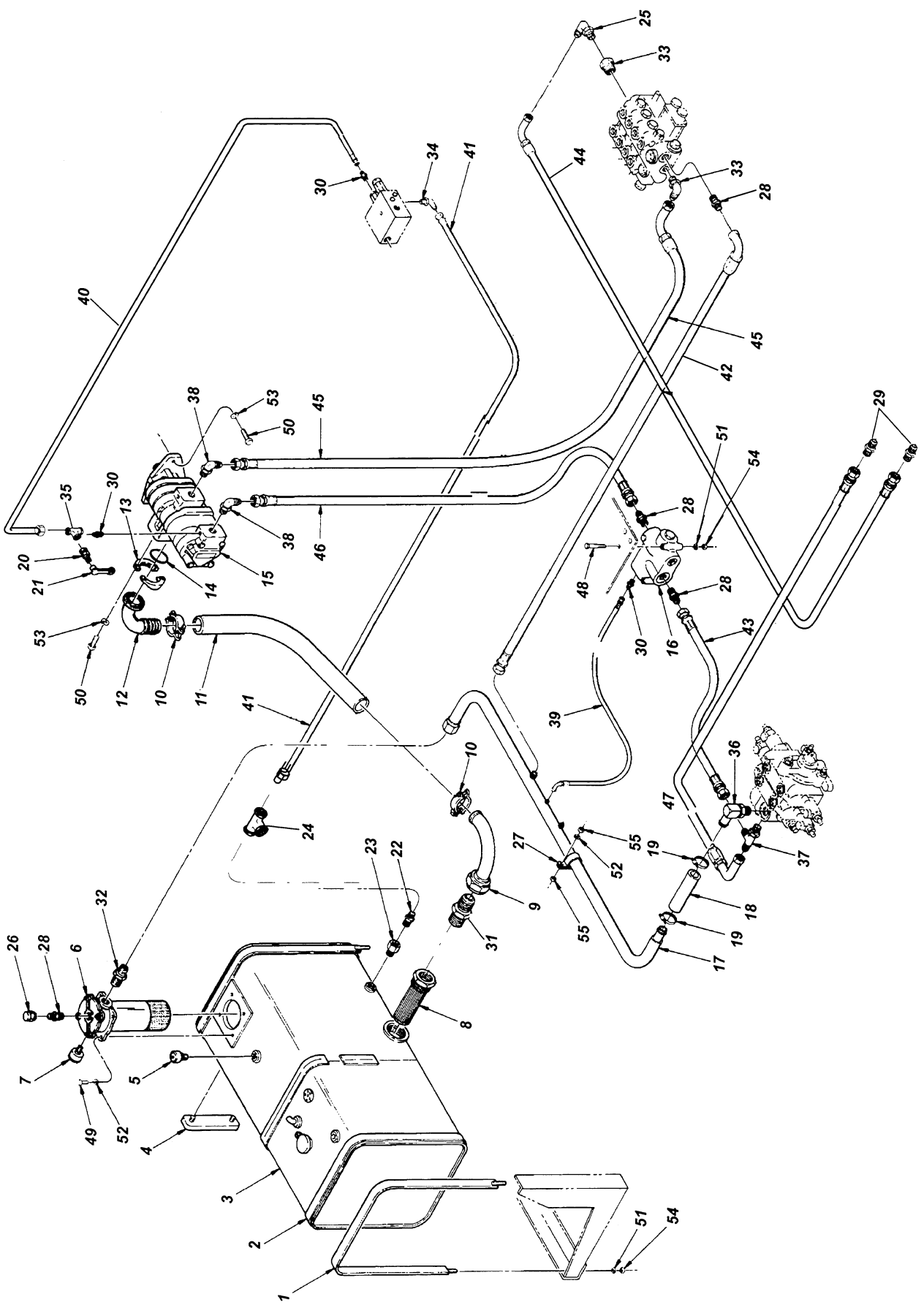



**Figure 18358-6**

## 18358-6 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 44 | P26102 | Hose, Hyd. | 1 | ..... | .75" x 19" |
| 45 | P29762 | Hose, Hyd. | 1 | ..... | .75" x 40" |
| 46 | P18921 | Hose, Hyd. | 1 | ..... | .75" x 29" |
| 47 | P24622 | Hose, Hyd. | 1 | ..... | .75" x 60" |
| 48 | P00114 | Bolt, Hx. | 2 | ..... | 5/16"-18 x 3 1/2" |
| 49 | P00204 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1" |
| 50 | P00403 | Bolt, Hx. | 6 | ..... | 1/2"-13 x 1 1/4" |
| 51 | P01309 | Lockwasher | 6 | ..... | 5/16" |
| 52 | P01310 | Lockwasher | 5 | ..... | 3/8" |
| 53 | P01312 | Lockwasher | 6 | ..... | 1/2" |
| 54 | P01507 | Nut, Hx. | 6 | ..... | 5/16"-18 |
| 55 | P01508 | Nut, Hx. | 2 | ..... | 3/8"-16 |

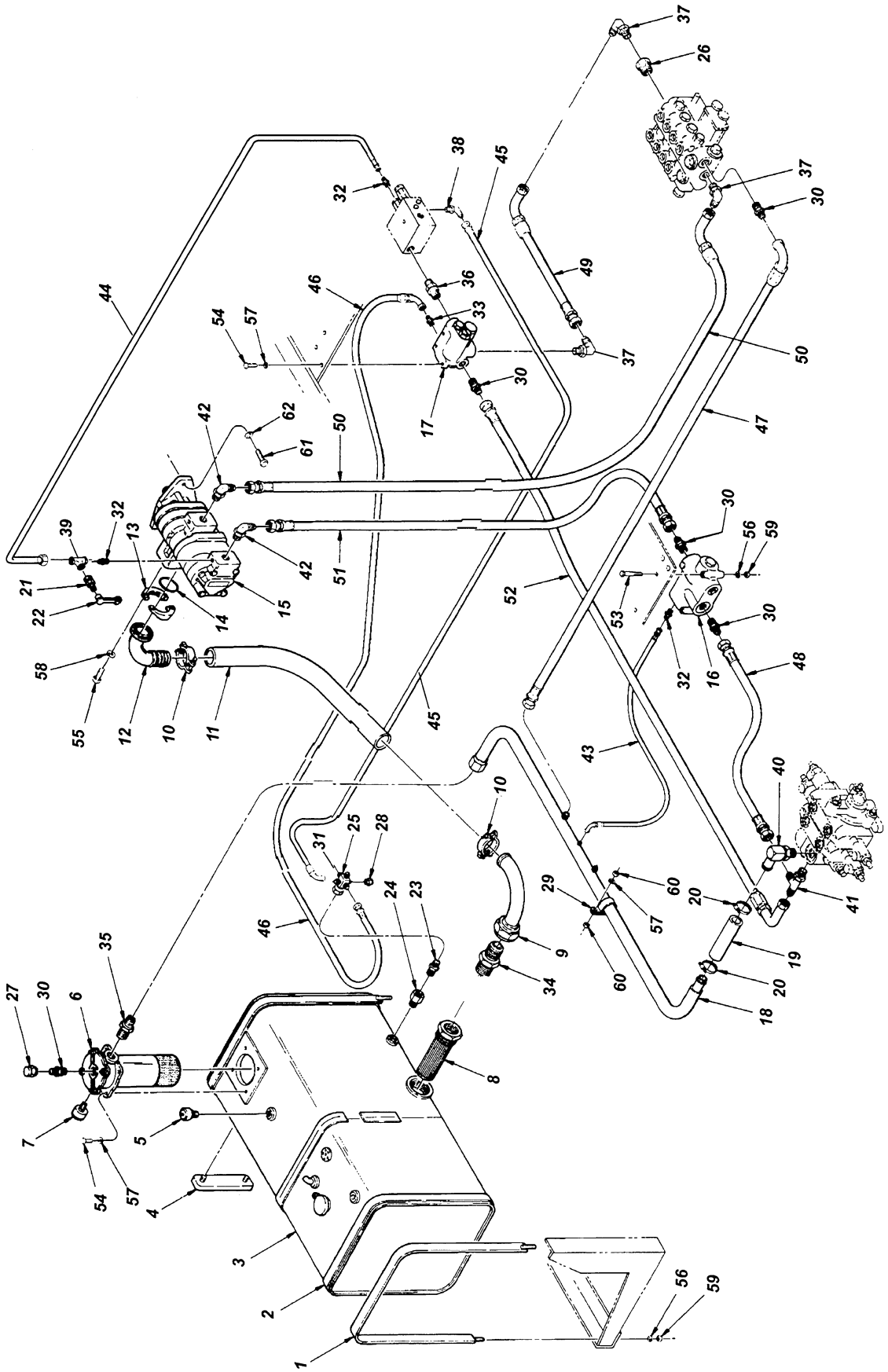



Figure 18358-7

## 18358-7 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 15781B | Strap, Tank Hold Down | 2 | ..... | |
| 2 | P20284 | Belting, Chemprene | 2 | ..... | |
| 3 | P20403 | Tank, Fuel/Hydraulic | 1 | ..... | |
| 4 | P21482 | Sight Gauge, Hyd. Oil | 1 | ..... | Includes Hardware |
| 5 | P21674 | Breather, Hydraulic Tank | 1 | ..... | |
| 6 | P27808 | Return Filter, Hydraulic Oil | 1 | ..... | |
| 7 | P24981 | Gauge, Pressure | 1 | ..... | |
| NI | P27810 | Filter Element, Hydraulic Oil | 1 | ..... | |
| NI | P26040 | Gasket, Tank | 1 | ..... | |
| NI | P30204 | Gasket, Bypass | 1 | ..... | |
| NI | P26042 | O-Ring, Head | 1 | ..... | |
| NI | P26043 | O-Ring, Cover | 1 | ..... | |
| 8 | P19878 | Strainer, Hydraulic Oil | 1 | ..... | |
| 9 | P27469 | Elbow, Suction Tube | 1 | ..... | |
| 10 | P26026 | Hose Clamp, Bolt Type | 2 | ..... | |
| 11 | N12332 | Hose, Suction - 2" I.D. | 1 | ..... | |
| 12 | P20892 | Flange Hd. Connector, 90° Elbow | 1 | ..... | |
| 13 | P17672 | Flange Half | 2 | ..... | |
| 14 | P12971 | O-Ring | 1 | ..... | |
| 15 | P31449 | Pump, Gear | 1 | ..... | |
| 16 | P19292 | Valve, Priority | 1 | ..... | |
| 17 | P28728 | Valve, Accumulator Charge | 1 | ..... | |
| 18 | P28776 | Return Manifold | 1 | ..... | |
| 19 | N12073 | Hose, Return | 1 | ..... | 1 1/4" I.D. |
| 20 | P14043 | Clamp, Hose | 2 | ..... | |
| 21 | P27374 | Nipple, Pressure Check | 1 | ..... | |
| 22 | P27805 | Dust Cap | 1 | ..... | |
| 23 | P23848 | Valve, Check | 1 | ..... | |
| 24 | P28391 | Adapter, O-Ring - Pipe | 1 | ..... | |
| 25 | P40249 | Adapter, Cross | 1 | ..... | |
| 26 | P29919 | Sleeve, Power Beyond | 1 | ..... | |
| 27 | P17785 | Cap, Hex | 1 | ..... | |
| 28 | P28380 | Cap, Hex | 1 | ..... | |
| 29 | P17810 | Clamp, Tube | 1 | ..... | |
| 30 | P17805 | Connector, O-Ring | 5 | ..... | |
| 31 | P21627 | Cap, Hex | 1 | ..... | |
| 32 | P18960 | Connector, O-Ring | 3 | ..... | |
| 33 | P19415 | Connector, O-Ring | 1 | ..... | |
| 34 | P26606 | Connector, JIC - Pipe | 1 | ..... | |
| 35 | P27397 | Connector, JIC - Pipe | 1 | ..... | |
| 36 | P28261 | Connector, O-Ring to O-Ring | 1 | ..... | |
| 37 | P17802 | 90° Elbow, O-Ring | 5 | ..... | |
| 38 | P18935 | 90° Elbow, O-Ring | 1 | ..... | |
| 39 | P27399 | Tee, Swivel | 1 | ..... | |
| 40 | P28387 | 90° Elbow, O-Ring to Hose | 1 | ..... | |
| 41 | P28386 | Tee, O-Ring | 1 | ..... | |
| 42 | P19147 | 45° Elbow, O-Ring to JIC | 2 | ..... | |

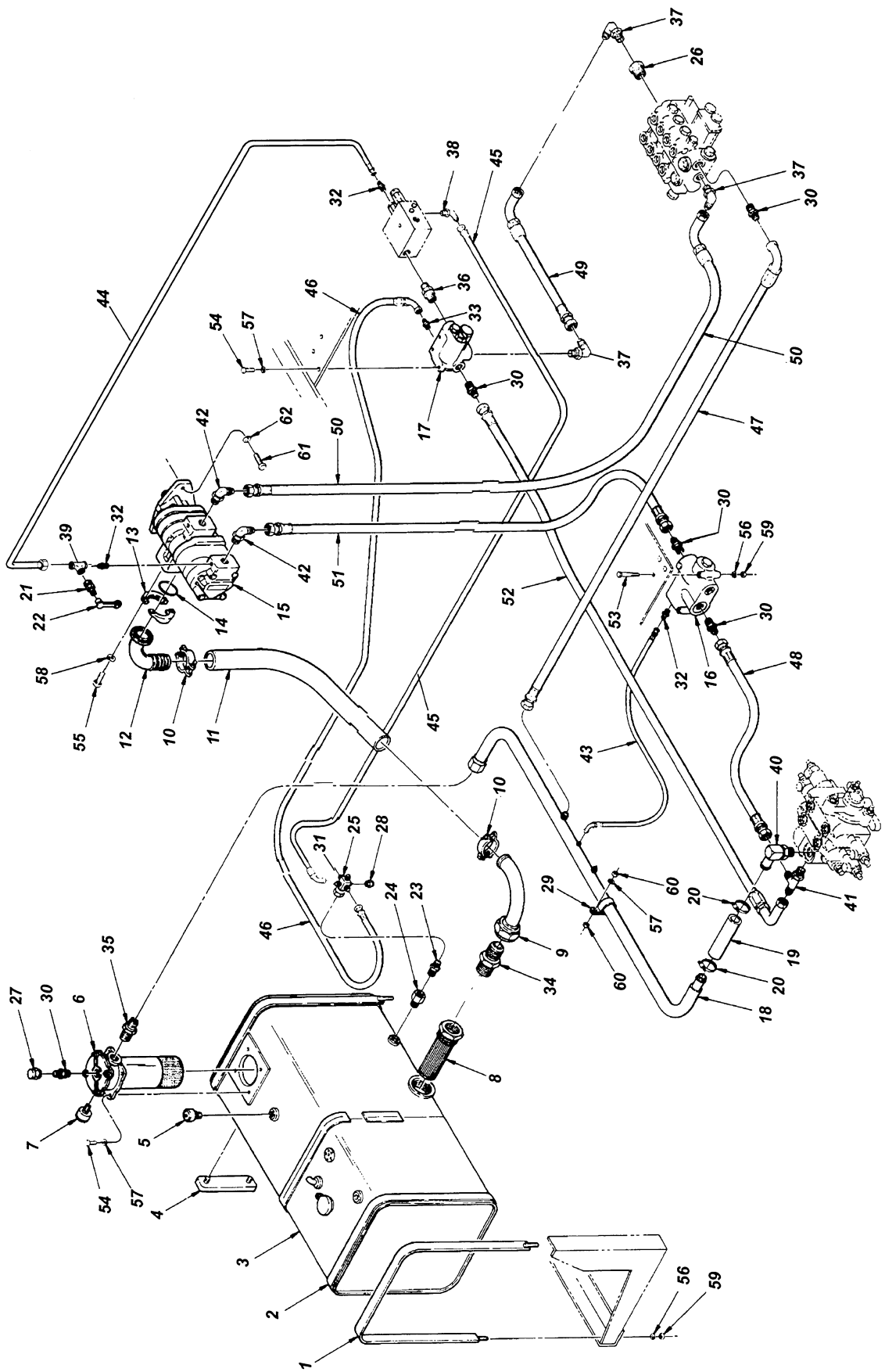



Figure 18358-7

## 18358-7 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 43 | P29773 | Hose, Hyd. | 1 | ..... | .25" x 31" |
| 44 | P27661 | Hose, Hyd. | 1 | ..... | .25" x 28" |
| 45 | P29768 | Hose, Hyd. | 1 | ..... | .38" x 16" |
| 46 | P29471 | Hose, Hyd. | 1 | ..... | .38" x 18" |
| 47 | P29764 | Hose, Hyd. | 1 | ..... | .75" x 47" |
| 48 | P29774 | Hose, Hyd. | 1 | ..... | .75" x 29" |
| 49 | P29763 | Hose, Hyd. | 1 | ..... | .75" x 19" |
| 50 | P29762 | Hose, Hyd. | 1 | ..... | .75" x 40" |
| 51 | P18921 | Hose, Hyd. | 1 | ..... | .75" x 29" |
| 52 | P29473 | Hose, Hyd. | 1 | ..... | .75" x 38" |
| 53 | P00114 | Bolt, Hx. | 2 | ..... | 5/16"-18 x 3 1/2" |
| 54 | P00204 | Bolt, Hx. | 7 | ..... | 3/8"-16 x 1" |
| 55 | P00403 | Bolt, Hx. | 4 | ..... | 1/2"-13 x 1 1/4" |
| 56 | P01309 | Lockwasher | 6 | ..... | 5/16" |
| 57 | P01310 | Lockwasher | 8 | ..... | 3/8" |
| 58 | P01312 | Lockwasher | 4 | ..... | 1/2" |
| 59 | P01507 | Nut, Hx. | 6 | ..... | 5/16"-18 |
| 60 | P01508 | Nut, Hx. | 2 | ..... | 3/8"-16 |
| 61 | P04254 | Bolt, Hx. | 2 | ..... | M14-2 x 40mm 8.8 |
| 62 | P04610 | Lockwasher | 2 | ..... | M14 |

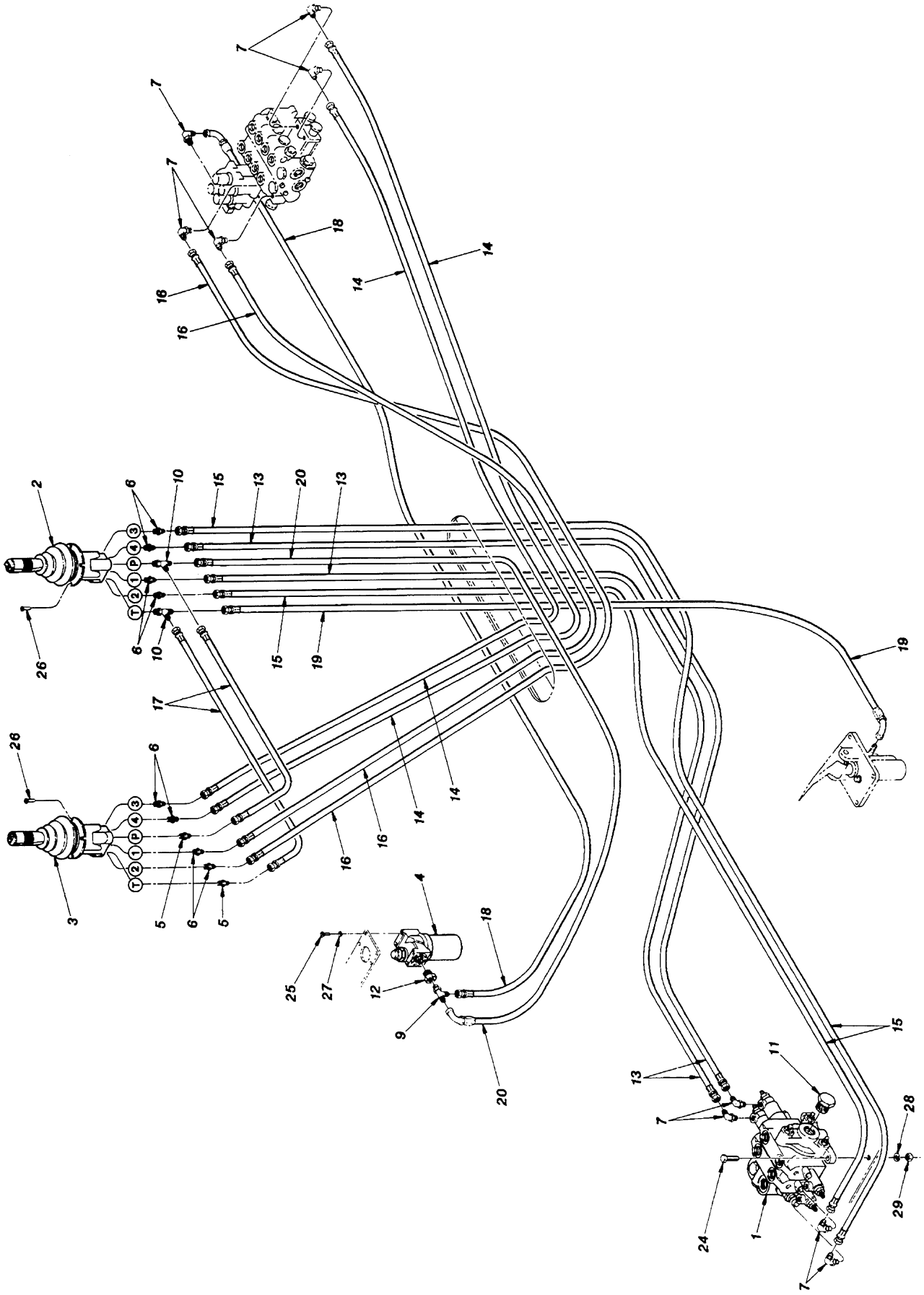



Figure 29947

## 29947

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P28492 | Valve Assembly | 1 | 2784 – 3111 | Boom Control, 2 spool |
| 2 | P28495 | Valve Assembly | 1 | " – " | Joystick Control, Rear |
| 3 | P40348 | Valve Assembly | 1 | " – " | Joystick Control, Front |
| 4 | P29325 | Filter, Pressure | 1 | " – " | |
| 5 | P18936 | Connector | 2 | " – " | Includes O-Ring |
| 6 | P24612 | Connector | 8 | " – " | Includes O-Ring |
| 7 | P18935 | Elbow, 90 deg. | 9 | " – " | Includes O-Ring |
| 9 | P21219 | Tee | 1 | " – " | Includes O-Ring |
| 10 | P21914 | Tee | 2 | " – " | Includes O-Ring |
| 11 | P25686 | Plug | 1 | " – " | Includes O-Ring |
| 12 | P28382 | Adapter | 1 | " – " | Includes O-Ring |
| 13 | P29781 | Hose, Hydraulic | 1 | " – " | .25" x 55" |
| 14 | P29154 | Hose, Hydraulic | 2 | " – " | .25" x 58" |
| 15 | P29782 | Hose, Hydraulic | 2 | " – " | .25" x 67" |
| 16 | P29783 | Hose, Hydraulic | 2 | " – " | .25" x 70" |
| 17 | P27653 | Hose, Hydraulic | 2 | " – " | .38" x 17" |
| 18 | P29274 | Hose, Hydraulic | 2 | " – " | .38" x 28" |
| 19 | P18909 | Hose, Hydraulic | 1 | " – " | .38" x 43" |
| 20 | P27190 | Hose, Hydraulic | 1 | " – " | .38" x 70" |
| 24 | P00405 | Bolt, Hx. Hd. | 1 | " – " | 1/2"-13 x 1 3/4" |
| 25 | P03179 | Screw, Button Hd. Socket | 3 | " – " | #10-24 x 5/8" |
| 26 | P03196 | Bolt, Button Hd. Socket | 8 | " – " | 1/4"-20 x 3/4" |
| 27 | P01306 | Lockwasher | 4 | " – " | #10 |
| 28 | P01312 | Lockwasher | 3 | " – " | 1/2" |
| 29 | P01510 | Nut, Hx. | 3 | " – " | 1/2"-13 |

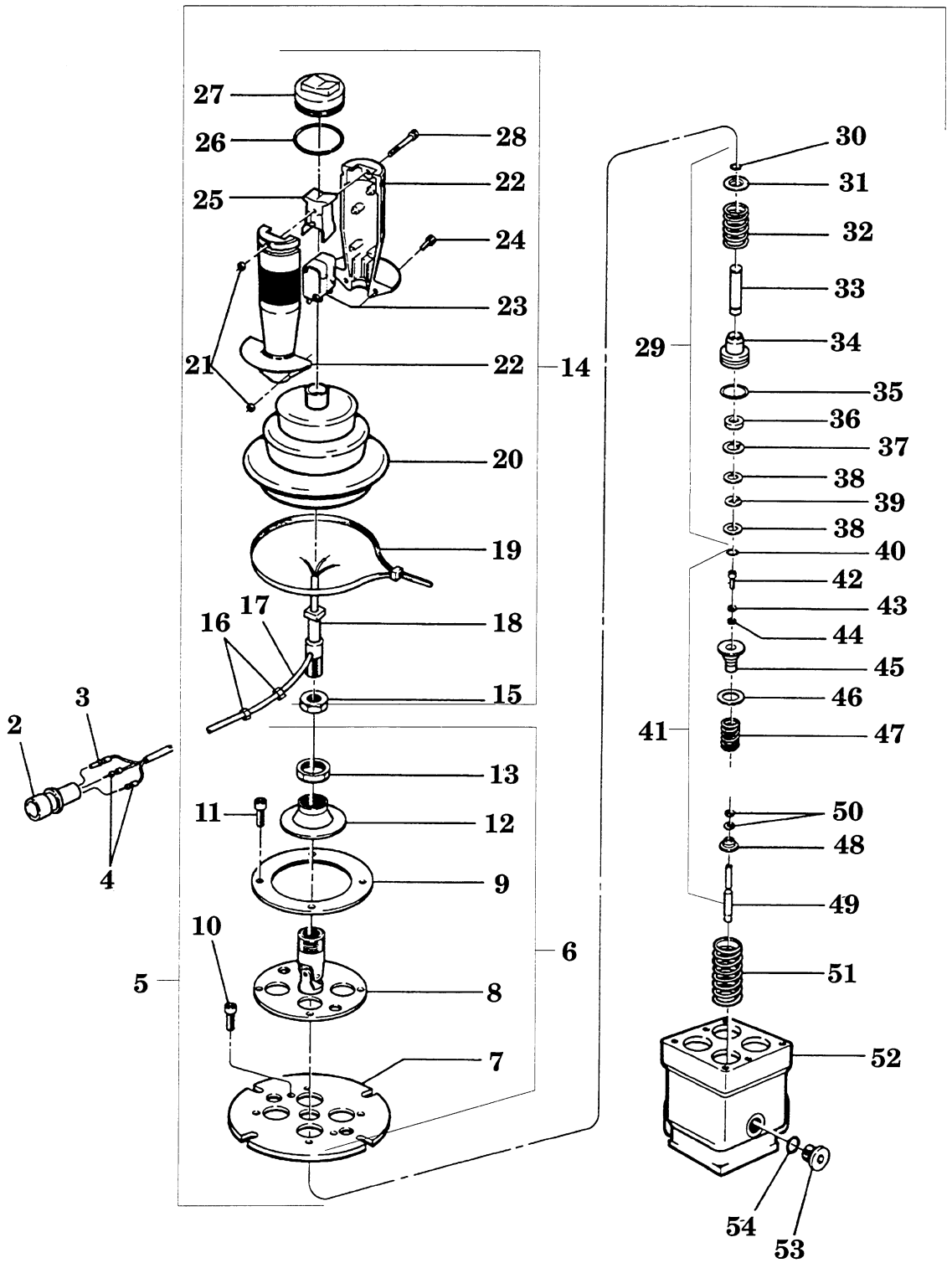



Figure P40348

# P40348 (1of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P40348 | Joystick Assembly | 1 | 2784 – 3111 | Incl. items 2–54. For use with Gresen Control Valve. |
| 2 | P40250 | Plug | 1 | " – " | |
| 3 | P40251 | Pin | 1 | " – " | |
| 4 | P40252 | Socket | 2 | " – " | |
| 5 | P40009 | Joystick Assembly | 1 | " – " | Incl. items 6–54 |
| 6 | P91656 | Mounting Plate Assembly | 1 | " – " | Incl. items 7–13 |
| 7 | N.S.S. | Plate | 1 | " – " | |
| 8 | N.S.S. | Pivot, Handle | 1 | " – " | |
| 9 | N.S.S. | Ring, Mount | 1 | " – " | |
| 10 | P04840 | Screw, Socket Hd. | 2 | " – " | |
| 11 | P04844 | Screw, Socket Hd. | 4 | " – " | |
| 12 | P91657 | Pressure Plate | 1 | " – " | |
| 13 | P91658 | Nut | 1 | " – " | |
| 14 | P29415 | Hand Lever Assembly | 1 | " – " | Incl. items 15–28 |
| 15 | P04758 | Nut, Jam | 1 | " – " | |
| 16 | P91659 | Clamp, Wire | 2 | " – " | |
| 17 | P91660 | Wire | 1 | " – " | |
| 18 | N.S.S. | Shaft | 1 | " – " | |
| 19 | P91661 | Clamping Ring | 1 | " – " | |
| 20 | P91662 | Bellows | 1 | " – " | |
| 21 | P04704 | Nut, Hx., M4-.7 | 3 | " – " | |
| 22 | P91663 | Handle | 1 | " – " | |
| 23 | P91664 | Micro Switch | 1 | " – " | |
| 24 | P04833 | Screw, Socket Hd., M4.7 x 10mm | 2 | " – " | |
| 25 | P91665 | Push Button | 1 | " – " | |
| 26 | P91666 | Lock Ring | 1 | " – " | |
| 27 | P91667 | Sealing Cap | 1 | " – " | |
| 28 | P04838 | Screw | 1 | " – " | |
| 29 | N.S.S. | Pressure Pin Set | 4 | " – " | Incl. items 30–40. Consult Factory. |
| 30 | N.S.S. | Wire Coil | 1 | " – " | |
| 31 | N.S.S. | Retainer, Spring | 1 | " – " | |
| 32 | N.S.S. | Spring | 1 | " – " | |
| 33 | N.S.S. | Shaft | 1 | " – " | |
| 34 | N.S.S. | Seat | 1 | " – " | |
| 35 | N.S.S. | O-Ring | 1 | " – " | |
| 36 | N.S.S. | Sealing Ring | 1 | " – " | |
| 37 | N.S.S. | Circlip | 1 | " – " | |
| 38 | N.S.S. | Spacer Ring | A/R | " – " | |
| 39 | N.S.S. | Circlip | 1 | " – " | |
| 40 | N.S.S. | O-Ring | 1 | " – " | |
| 41 | N.S.S. | Spring Pack Set | 4 | " – " | Incl. items 42–50. Consult Factory. |
| 42 | N.S.S. | Screw | 1 | " – " | |
| 43 | N.S.S. | Spacer Ring | A/R | " – " | |
| 44 | N.S.S. | Washer | 1 | " – " | |
| 45 | N.S.S. | Spool | 1 | " – " | |
| 46 | N.S.S. | Spacer Ring | A/R | " – " | |
| 47 | N.S.S. | Spring | 1 | " – " | |

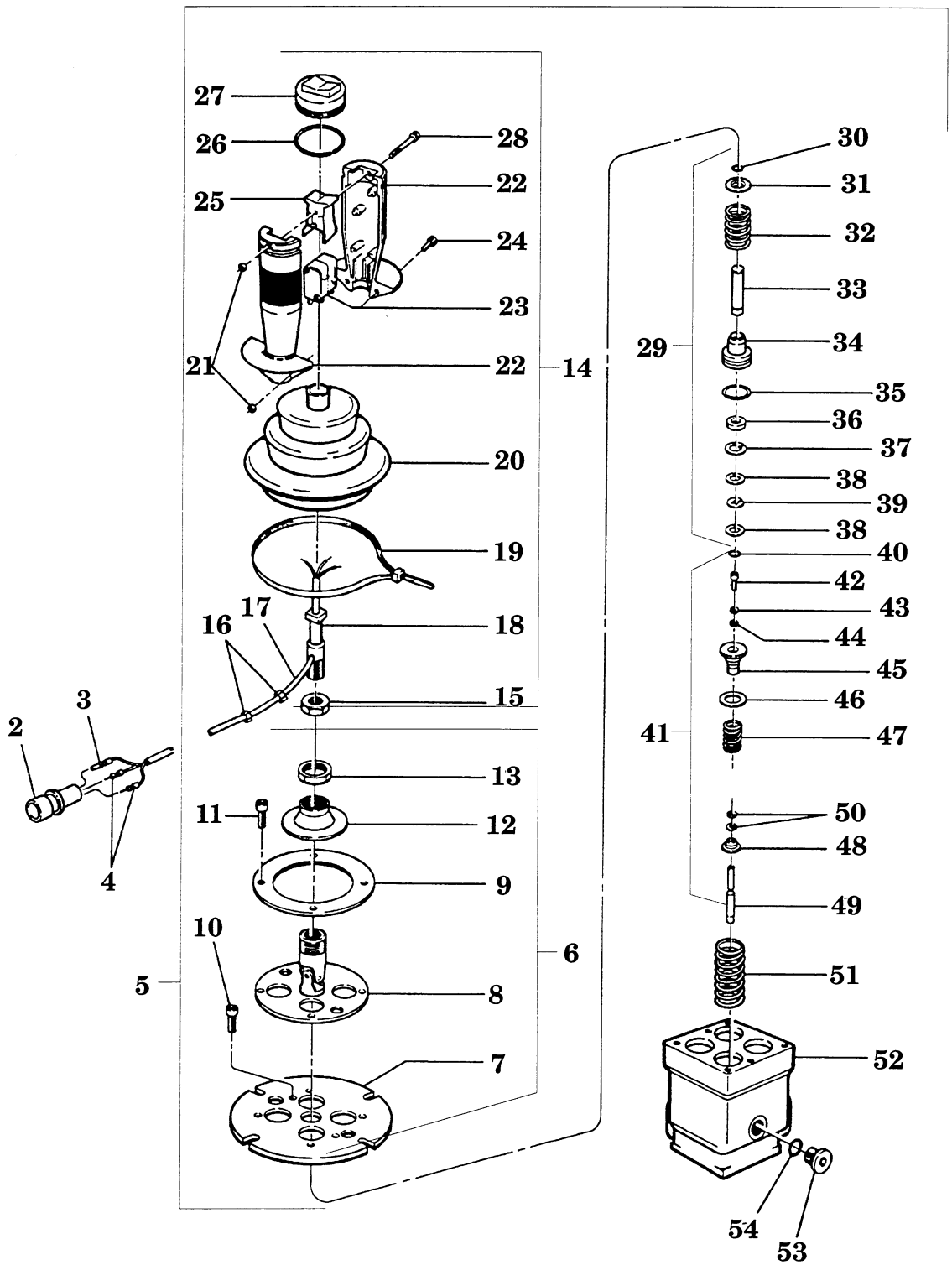



Figure P40348

## P40348 (2of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 48 | N.S.S. | Base | 1 | " – " | |
| 49 | N.S.S. | Shaft | 1 | " – " | |
| 50 | P91687 | Spacer Ring | A/R | " – " | 0.1 mm |
| | P91688 | Spacer Ring | A/R | " – " | 0.5 mm |
| 51 | P91689 | Return Spring | 4 | " – " | |
| 52 | N.S.S. | Housing | 1 | " – " | |
| 53 | P27935 | Plug Assembly | 1 | " – " | Incl. item 54 |
| 54 | P28954 | O-Ring | 1 | " – " | |

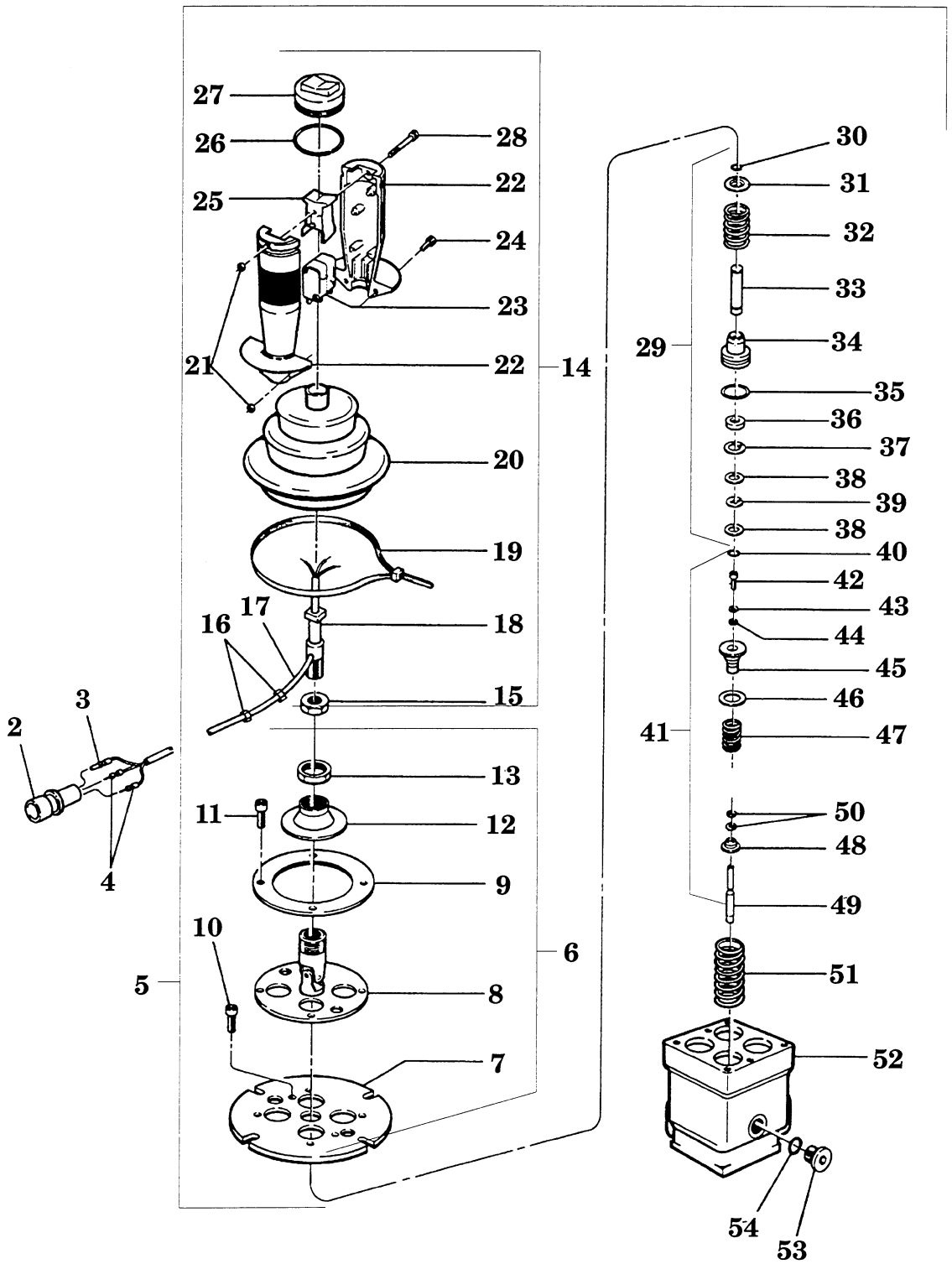



Figure P28495

## P28495 (1of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P28495 | Joystick Assembly | 1 | 2784 – 3111 | Incl. items 2–54. For use with Husco Control Valve. |
| 2 | P40250 | Plug | 1 | " – " | |
| 3 | P40251 | Pin | 1 | " – " | |
| 4 | P40252 | Socket | 2 | " – " | |
| 5 | P40009 | Joystick Assembly | 1 | " – " | Incl. items 6–54 |
| 6 | P91656 | Mounting Plate Assembly | 1 | " – " | Incl. items 7–13 |
| 7 | N.S.S. | Plate | 1 | " – " | |
| 8 | N.S.S. | Pivot, Handle | 1 | " – " | |
| 9 | N.S.S. | Ring, Mount | 1 | " – " | |
| 10 | P04840 | Screw, Socket Hd. | 2 | " – " | |
| 11 | P04844 | Screw, Socket Hd. | 4 | " – " | |
| 12 | P91657 | Pressure Plate | 1 | " – " | |
| 13 | P91658 | Nut | 1 | " – " | |
| 14 | P29415 | Hand Lever Assembly | 1 | " – " | Incl. items 15–28 |
| 15 | P04758 | Nut, Jam | 1 | " – " | |
| 16 | P91659 | Clamp, Wire | 2 | " – " | |
| 17 | P91660 | Wire | 1 | " – " | |
| 18 | N.S.S. | Shaft | 1 | " – " | |
| 19 | P91661 | Clamping Ring | 1 | " – " | |
| 20 | P91662 | Bellows | 1 | " – " | |
| 21 | P04704 | Nut, Hx., M4-.7 | 3 | " – " | |
| 22 | P91663 | Handle | 1 | " – " | |
| 23 | P91664 | Micro Switch | 1 | " – " | |
| 24 | P04833 | Screw, Socket Hd., M4.7 x 10mm | 2 | " – " | |
| 25 | P91665 | Push Button | 1 | " – " | |
| 26 | P91666 | Lock Ring | 1 | " – " | |
| 27 | P91667 | Sealing Cap | 1 | " – " | |
| 28 | P04838 | Screw | 1 | " – " | |
| 29 | N.S.S. | Pressure Pin Set | 4 | " – " | Incl. items 30–40. Consult Factory. |
| 30 | N.S.S. | Wire Coil | 1 | " – " | |
| 31 | N.S.S. | Retainer, Spring | 1 | " – " | |
| 32 | N.S.S. | Spring | 1 | " – " | |
| 33 | N.S.S. | Shaft | 1 | " – " | |
| 34 | N.S.S. | Seat | 1 | " – " | |
| 35 | N.S.S. | O-Ring | 1 | " – " | |
| 36 | N.S.S. | Sealing Ring | 1 | " – " | |
| 37 | N.S.S. | Circlip | 1 | " – " | |
| 38 | N.S.S. | Spacer Ring | A/R | " – " | |
| 39 | N.S.S. | Circlip | 1 | " – " | |
| 40 | N.S.S. | O-Ring | 1 | " – " | |
| 41 | N.S.S. | Spring Pack Set | 4 | " – " | Incl. items 42–50. Consult Factory. |
| 42 | N.S.S. | Screw | 1 | " – " | |
| 43 | N.S.S. | Spacer Ring | A/R | " – " | |
| 44 | N.S.S. | Washer | 1 | " – " | |
| 45 | N.S.S. | Spool | 1 | " – " | |
| 46 | N.S.S. | Spacer Ring | A/R | " – " | |
| 47 | N.S.S. | Spring | 1 | " – " | |

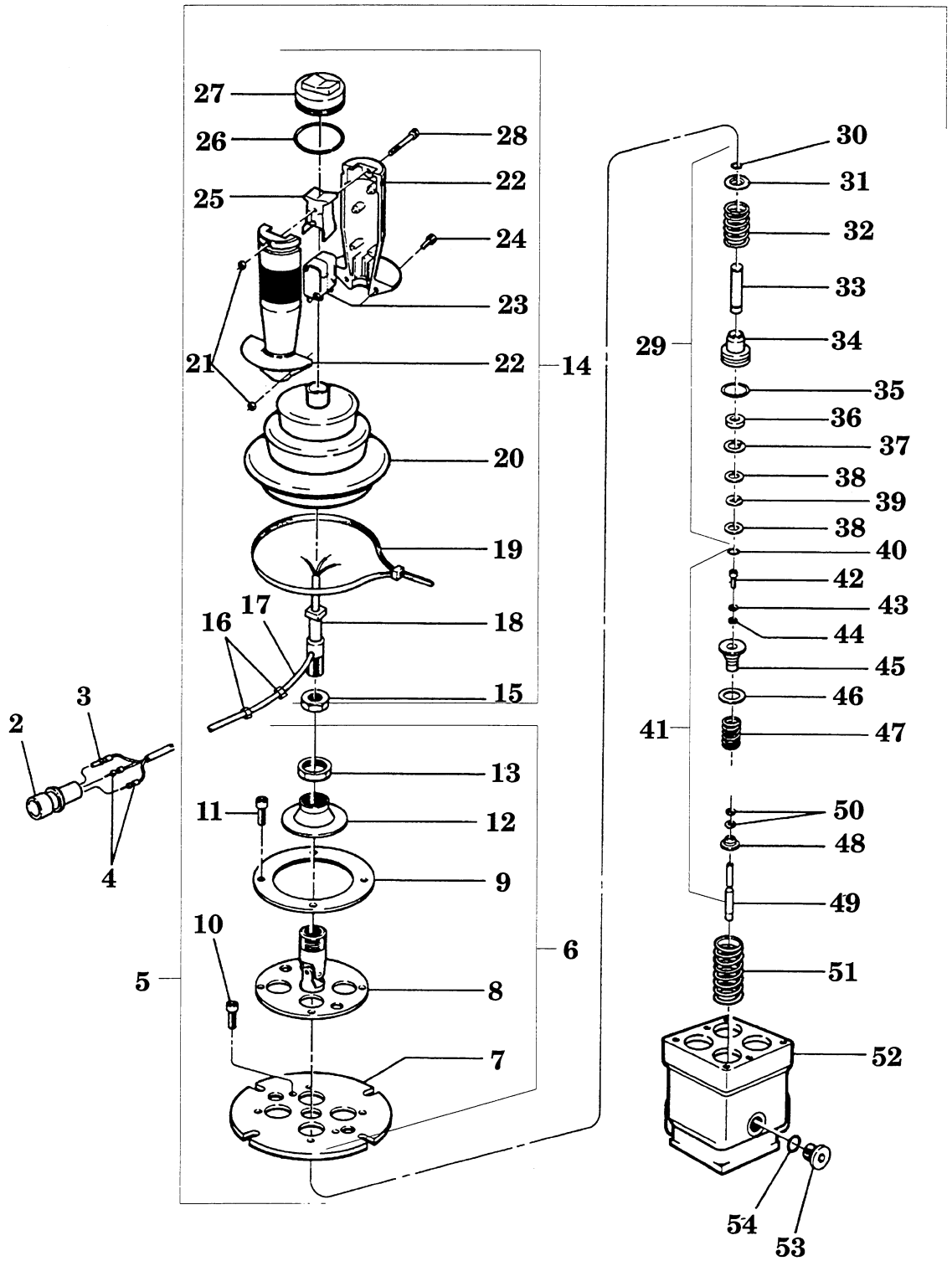



Figure P28495

## P28495 (2of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 48 | N.S.S. | Base | 1 | " – " | |
| 49 | N.S.S. | Shaft | 1 | " – " | |
| 50 | P91687 | Spacer Ring | A/R | " – " | 0.1 mm |
| | P91688 | Spacer Ring | A/R | " – " | 0.5 mm |
| 51 | P91689 | Return Spring | 4 | " – " | |
| 52 | N.S.S. | Housing | 1 | " – " | |
| 53 | P27935 | Plug Assembly | 1 | " – " | Incl. item 54 |
| 54 | P28954 | O-Ring | 1 | " – " | |

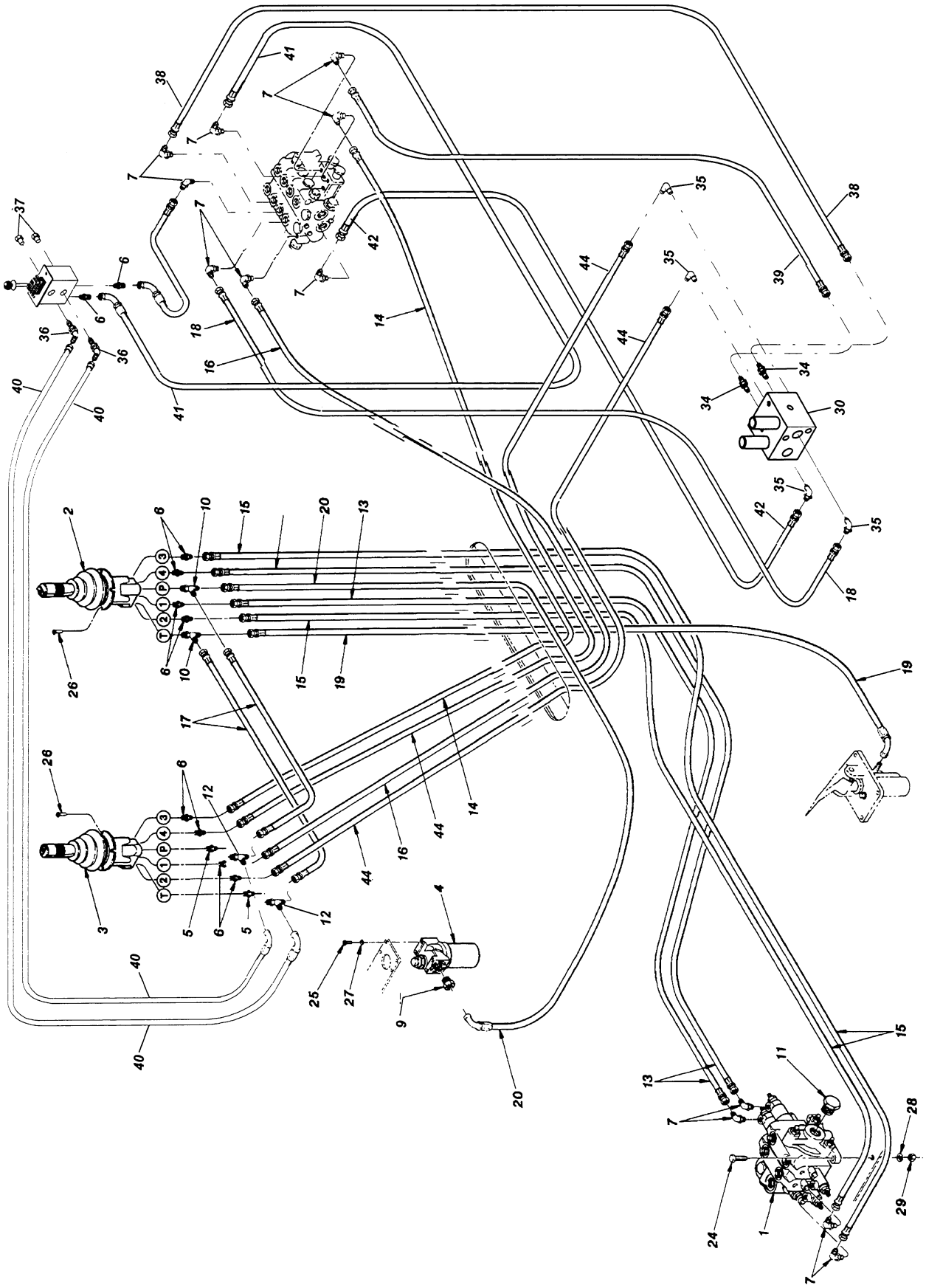


Figure 29947-1

## 29947-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P28492 | Valve Assembly | 1 | 3112 – | Boom Control, 2 spool |
| 2 | P31406 | Valve Assembly | 1 | 3112 – 3125 | JoyStick Control, Rear |
| | P32693 | Valve Assembly | 1 | 3126 – | JoyStick Control, Rear |
| 3 | P31406 | Valve Assembly | 1 | 3112 – 3125 | Joystick Control, Front |
| | P32693 | Valve Assembly | 1 | 3126 – | Joystick Control, Front |
| 4 | P29325 | Filter, Pressure | 1 | 3112 – | |
| 5 | P18936 | Connector | 2 | " – " | Includes O-Ring |
| 6 | P24612 | Connector | 10 | " – " | Includes O-Ring |
| 7 | P18935 | Elbow, 90° | 12 | " – " | Includes O-Ring |
| 9 | P18997 | Connector | 1 | " – " | Includes O-Ring |
| 10 | P21914 | Tee | 2 | " – " | Includes O-Ring |
| 11 | P25686 | Plug | 1 | " – " | Includes O-Ring |
| 12 | P19412 | Tee | 2 | " – " | Includes O-Ring |
| 13 | P29781 | Hose, Hydraulic | 2 | " – " | .25" x 55" |
| 14 | P29154 | Hose, Hydraulic | 2 | " – " | .25" x 58" |
| 15 | P29782 | Hose, Hydraulic | 2 | " – " | .25" x 67" |
| 16 | P29783 | Hose, Hydraulic | 2 | " – " | .25" x 70" |
| 17 | P20857 | Hose, Hydraulic | 1 | " – " | .38" x 13" |
| 18 | P19753 | Hose, Hydraulic | 1 | " – " | |
| 19 | P18909 | Hose, Hydraulic | 1 | " – " | .38" x 43" |
| 20 | P27190 | Hose, Hydraulic | 1 | " – " | .38" x 70" |
| 24 | P00405 | Bolt, Hx. Hd. | 3 | " – " | 1/2"-13 x 1 3/4" |
| 25 | P03179 | Screw, Button Hd. Socket | 4 | " – " | #10-24 x 5/8" |
| 26 | P00003 | Bolt, Hx. | 10 | " – " | 1/4"-20 x 3/4" |
| 27 | P01308 | Lockwasher | 4 | " – " | 1/4" |
| 28 | P01312 | Lockwasher | 3 | " – " | 1/2" |
| 29 | P01510 | Nut, Hx. | 3 | " – " | 1/2"-13 |
| 30 | 35406A | Valve, Selector | 1 | " – " | 6-Port |
| 31 | P31443 | Controller, Single Axis | 1 | " – " | With Pull |
| 32 | P00016 | Bolt, Hx. | 2 | " – " | 1/4"-20 x 3 3/4" |
| 33 | P01506 | Nut, Hx. | 5 | " – " | 1/4"-20 |
| 34 | P18960 | Connector | 2 | " – " | Includes O-Ring |
| 35 | P19248 | Elbow, 90° | 4 | " – " | Includes O-Ring |
| 36 | P19815 | Elbow, 45° | 2 | " – " | Includes O-Ring |
| 37 | P25691 | Plug | 2 | " – " | |
| 38 | P25861 | Hose, Hydraulic | 1 | " – " | |
| 39 | P27135 | Hose, Hydraulic | 1 | " – " | |
| 40 | P27185 | Hose, Hydraulic | 2 | " – " | |
| 41 | P29994 | Hose, Hydraulic | 1 | " – " | |
| 42 | P30170 | Hose, Hydraulic | 1 | " – " | |
| 43 | P32413 | Hose, Hydraulic | 1 | " – " | |
| 44 | P30189 | Hose, Hydraulic | 2 | " – " | |

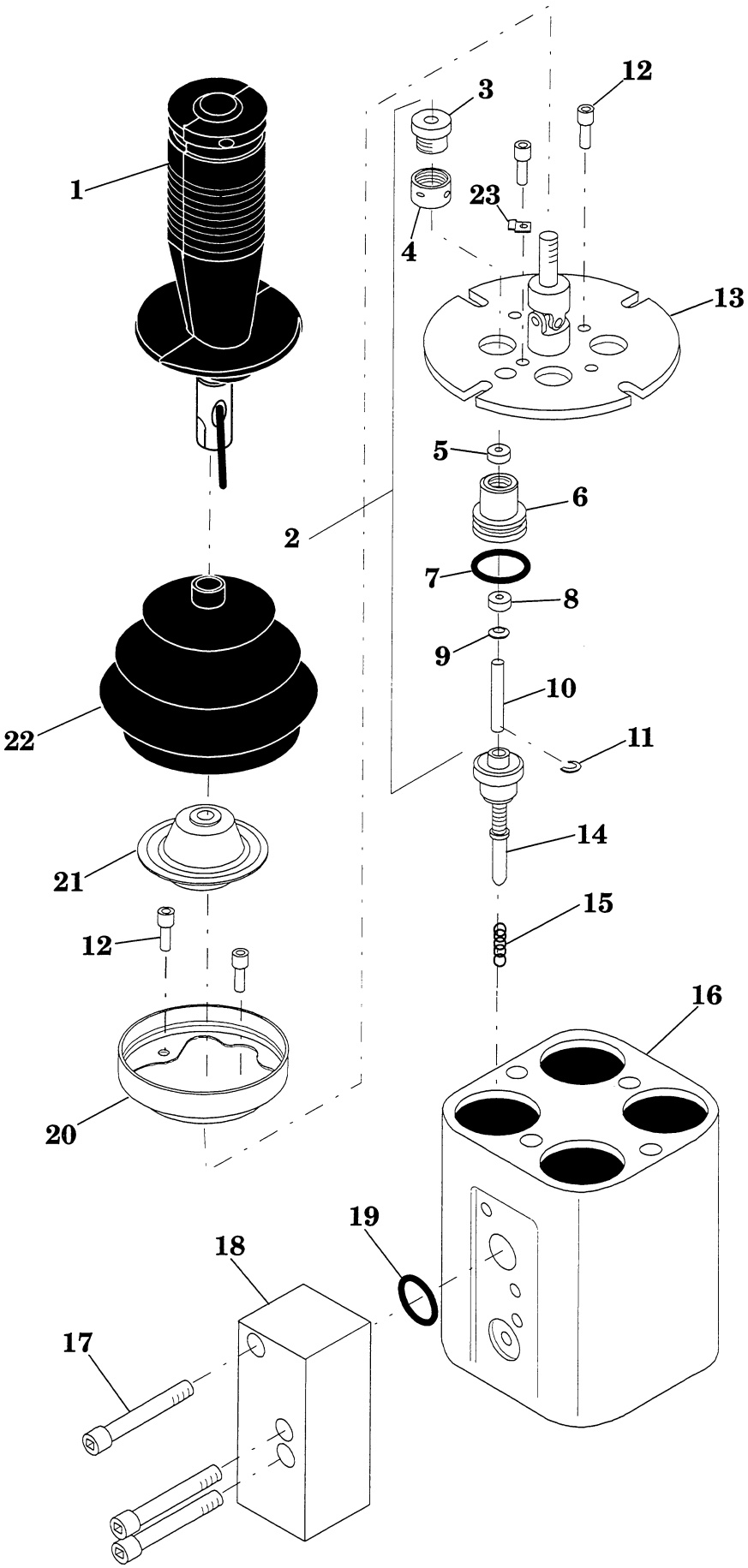



**Figure P31559**

# P31559

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P31559 | Joystick Assembly (Vickers) | – | 3126 – | Incl. Items 1-23 |
| 1 | P32693 | Handle Assembly | 1 | " – " | See Page 5-54 |
| 2 | P31462 | Guide Assembly | 4 | " – " | Incl. Items 3-11 |
| 3 | P31463 | Adjuster | 4 | " – " | |
| 4 | P31464 | Ring, Locking | 4 | " – " | |
| 5 | P31465 | Wiper | 4 | " – " | |
| 6 | P31466 | Guide | 4 | " – " | |
| 7 | NSS | Seal, O-Ring | 4 | " – " | Avail. in Seal Kit P32578 |
| 8 | NSS | Seal | 4 | " – " | Avail. in Seal Kit P32578 |
| 9 | P31469 | Spreader | 4 | " – " | |
| 10 | P31470 | Plunger | 4 | " – " | |
| 11 | P31471 | CirClip | 4 | " – " | |
| 12 | NSS | Screw | 6 | " – " | Avail. in Hardware Kit P31478 |
| 13 | P31473 | Flange Assembly | 4 | " – " | |
| 14 | NSS | Spool Assembly | 4 | " – " | |
| 15 | P31474 | Spring | 4 | " – " | |
| 16 | NSS | Body | 1 | " – " | |
| 17 | NSS | Screw | 3 | " – " | Avail. in Hardware Kit P31478 |
| 18 | NSS | Manfold | 1 | " – " | |
| 19 | P31476 | Seal, O-Ring | 1 | " – " | |
| 20 | NSS | Retainer | 1 | " – " | |
| 21 | NSS | Cam | 1 | " – " | |
| 22 | P31477 | Boot | 1 | " – " | |
| 23 | NSS | Clip | 4 | " – " | |
| NI | P31478 | Kit, Hardware | AR | " – " | (Includes Items 7, 8) |
| NI | P32578 | Kit, Seal | AR | " – " | (Includes Items 12, 17) |

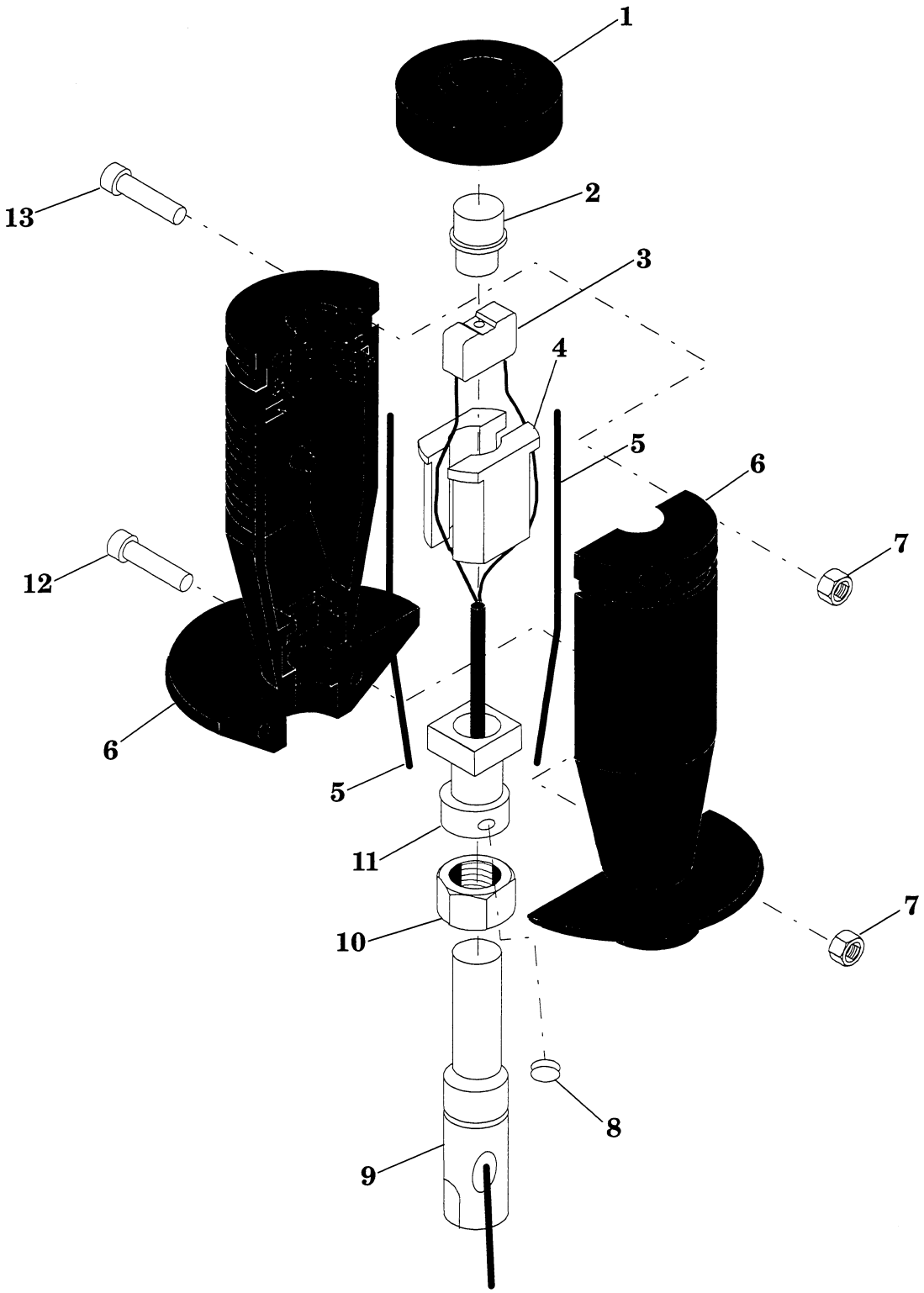



**Figure P32693**

# P32693

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P32693 | Handle Assembly, Joystick | | 3126 – | PushButton (Vickers) Incl. Items 1-13 |
| 1 | P31489 | Cap | 1 | " – " | |
| 2 | NSS | Push Button | 1 | " – " | |
| 3 | P31598 | Switch | 1 | " – " | |
| 4 | NSS | Guide | 2 | " – " | |
| 5 | NSS | Seal | 2 | " – " | |
| 6 | NSS | Handle, Half | 2 | " – " | |
| 7 | NSS | Nut | 4 | " – " | Avail. in Hardware Kit P31487 |
| 8 | NSS | Locking Screw | 1 | " – " | Avail. in Hardware Kit P31487 |
| 9 | NSS | Stem | 1 | " – " | |
| 10 | P31483 | Locknut | 1 | " – " | Avail. in Hardware Kit P31487 |
| 11 | NSS | Joint, Lever | 1 | " – " | |
| 12 | NSS | Screw | 2 | " – " | Avail. in Hardware Kit P31487 |
| 13 | NSS | Screw | 2 | " – " | Avail. in Hardware Kit P31487 |
| NI | P31487 | Kit, Hardware | AR | " – " | (Includes Items 7, 8, 10, 12, 13) |

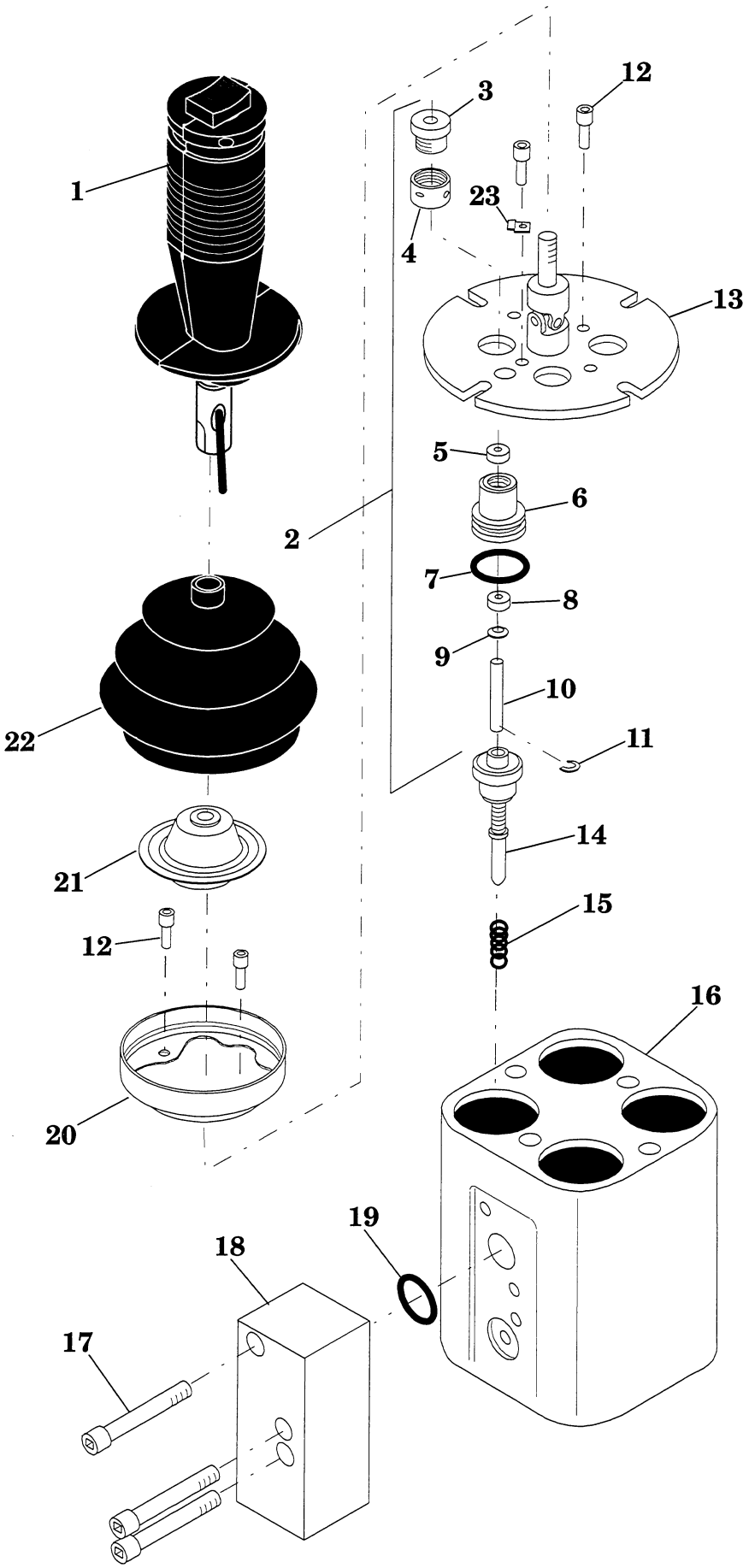



**Figure P31406**

# P31406

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P31406 | Joystick Assembly (Vickers) | – | 3112 – 3125 | Incl. Items 1-23 |
| 1 | P32692 | Handle Assembly | 1 | " – " | See Page 5-58 |
| 2 | P31462 | Guide Assembly | 4 | " – " | Incl. Items 3-11 |
| 3 | P31463 | Adjuster | 4 | " – " | |
| 4 | P31464 | Ring, Locking | 4 | " – " | |
| 5 | P31465 | Wiper | 4 | " – " | |
| 6 | P31466 | Guide | 4 | " – " | |
| 7 | NSS | Seal, O-Ring | 4 | " – " | Avail. in Seal Kit P32578 |
| 8 | NSS | Seal | 4 | " – " | Avail. in Seal Kit P32578 |
| 9 | P31469 | Spreader | 4 | " – " | |
| 10 | P31470 | Plunger | 4 | " – " | |
| 11 | P31471 | CirClip | 4 | " – " | |
| 12 | NSS | Screw | 6 | " – " | Avail. in Hardware Kit P31478 |
| 13 | P31473 | Flange Assembly | 4 | " – " | |
| 14 | NSS | Spool Assembly | 4 | " – " | |
| 15 | P31474 | Spring | 4 | " – " | |
| 16 | NSS | Body | 1 | " – " | |
| 17 | NSS | Screw | 3 | " – " | Avail. in Hardware Kit P31478 |
| 18 | NSS | Manfold | 1 | " – " | |
| 19 | P31476 | Seal, O-Ring | 1 | " – " | |
| 20 | NSS | Retainer | 1 | " – " | |
| 21 | NSS | Cam | 1 | " – " | |
| 22 | P31477 | Boot | 1 | " – " | |
| 23 | NSS | Clip | 4 | " – " | |
| NI | P31478 | Kit, Hardware | AR | " – " | (Includes Items 7, 8) |
| NI | P32578 | Kit, Seal | AR | " – " | (Includes Items 12, 17) |

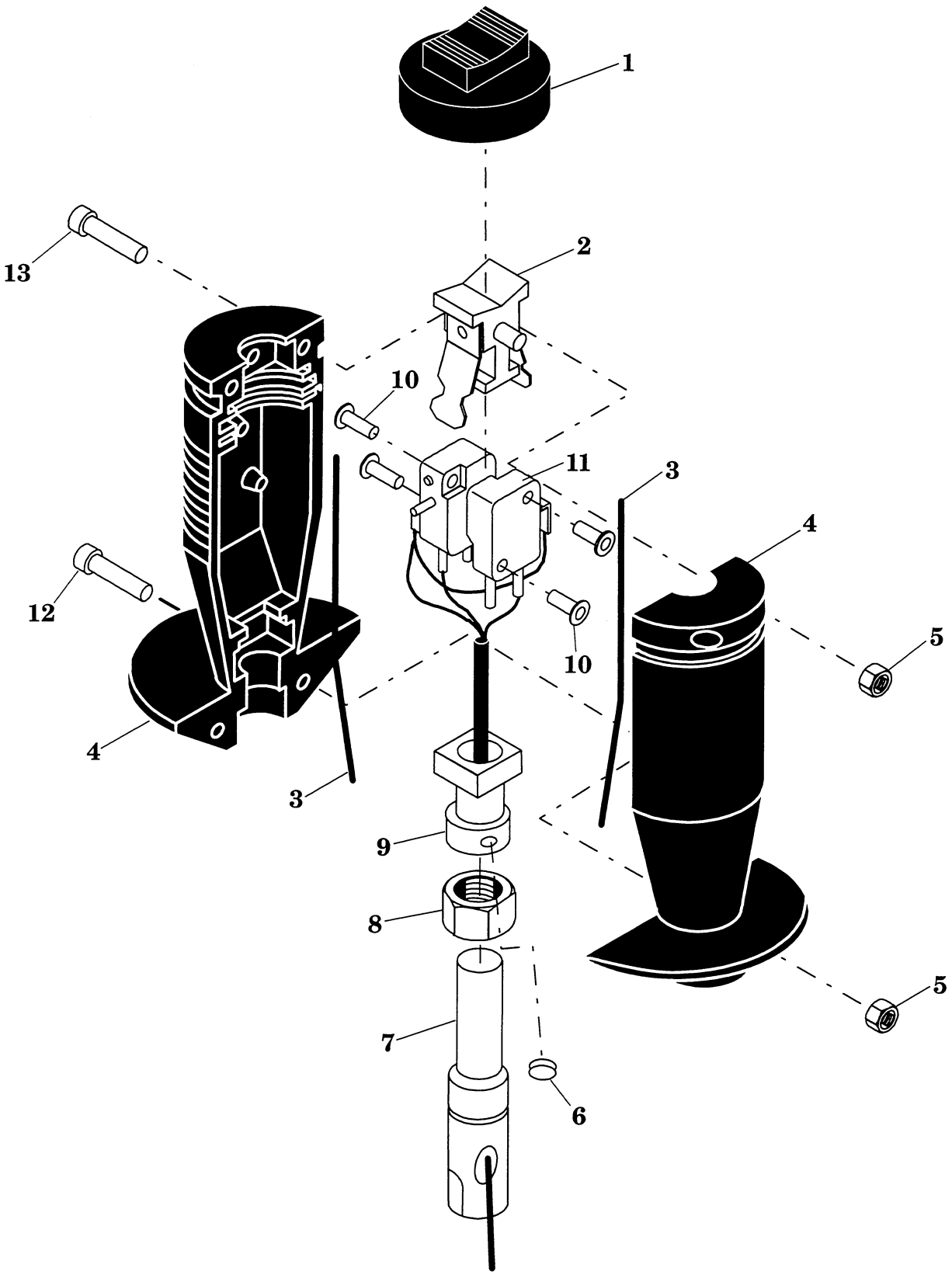



**Figure P32692**

# P32692

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P32692 | Handle Assembly, Joystick | | 3112 – 3125 | Rocker (Vickers) Incl. Items 1-13 |
| 1 | P31479 | Cap | 1 | " – " | |
| 2 | NSS | Rocker | 1 | " – " | |
| 3 | NSS | Seal | 2 | " – " | |
| 4 | NSS | Handle, Half | 2 | " – " | |
| 5 | NSS | Nut | 4 | " – " | Avail. in Hardware Kit P31487 |
| 6 | NSS | Screw, Locking | 1 | " – " | Avail. in Hardware Kit P31487 |
| 7 | NSS | Stem | 1 | " – " | |
| 8 | P31483 | Locknut | 1 | " – " | Avail. in Hardware Kit P31487 |
| 9 | NSS | Joint, Lever | 1 | " – " | |
| 10 | P31484 | Spacer | 4 | " – " | |
| 11 | P31485 | Switch Assembly | 1 | " – " | |
| 12 | NSS | Screw | 2 | " – " | Avail. in Hardware Kit P31487 |
| 13 | NSS | Screw | 2 | " – " | Avail. in Hardware Kit P31487 |
| NI | P31487 | Kit, Hardware | AR | " – " | (Includes Items 5, 6, 8, 12, 13) |

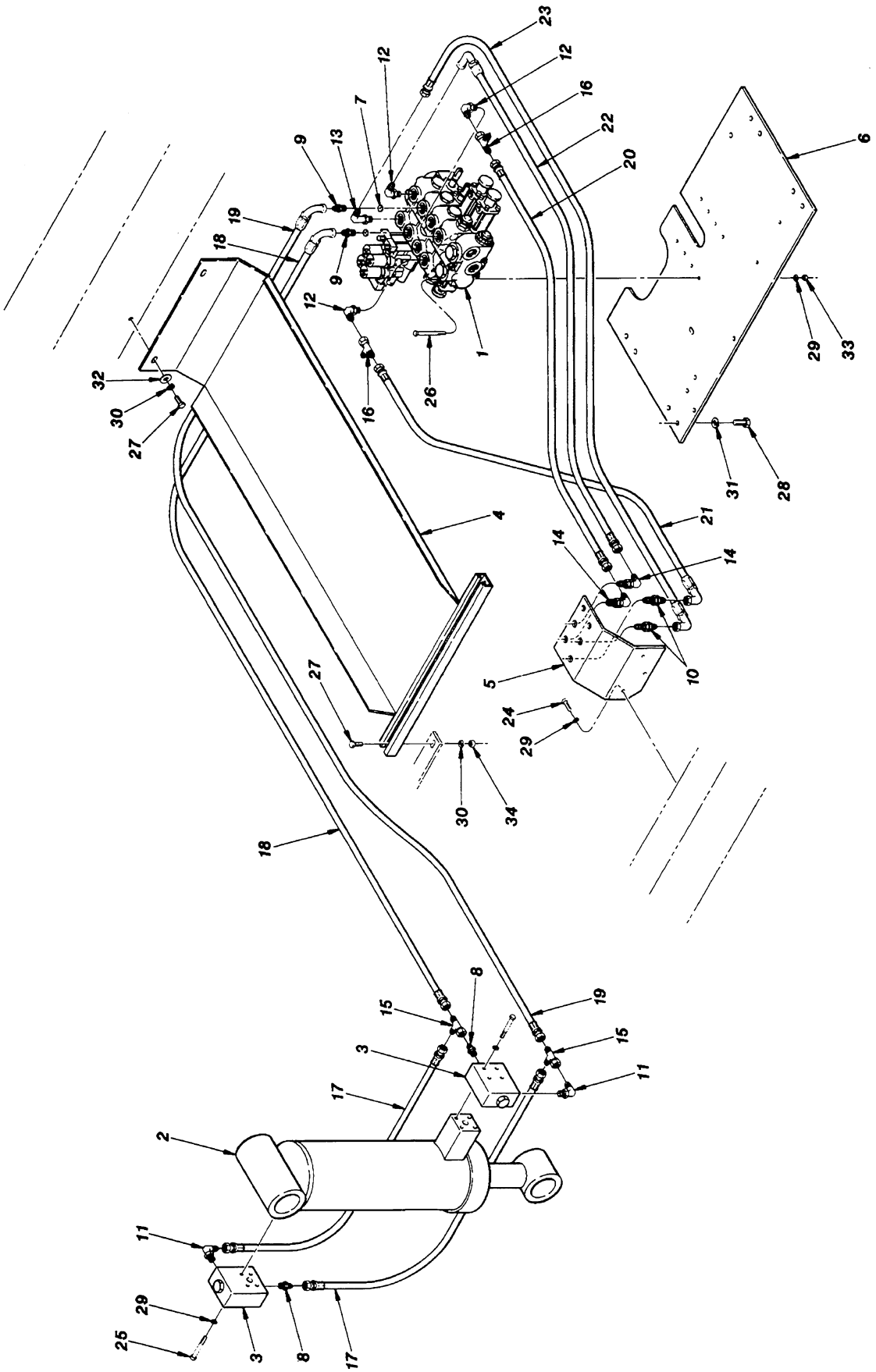



**Figure 29948**

## 29948

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P28707 | Valve Assembly, Control | 1 | 2784 – 3111 | 4 - Spool |
| | P28705 | Valve Assembly, Control | - | " – " | 5 - Spool |
| | P28706 | Valve Assembly, Control | - | " – " | 6 - Spool |
| | P28488 | Valve Assembly, Control | - | " – " | 7 - Spool |
| 2 | P24741 | Cylinder, Frame Tilt | 1 | " – " | |
| 3 | P17686 | Valve, Counterbalance | 2 | " – " | |
| 4 | 31782B | Tray | 1 | " – " | Hose |
| 5 | 31814B | Bracket | 1 | " – " | Bulkhead |
| 6 | 30383C | Plate | 1 | " – " | Valve Mounting |
| 7 | 31846A | Restrictor | 2 | " – " | |
| 8 | P19478 | Connector | 2 | " – " | Includes O-Ring |
| 9 | P20852 | Connector | 2 | " – " | Includes O-Ring |
| 10 | P18949 | Connector | 2 | " – " | Bulkhead |
| 11 | P18935 | Elbow, 90 deg | 2 | " – " | Includes O-Ring |
| 12 | P18956 | Elbow, 90 deg. | 3 | " – " | Includes O-Ring |
| 13 | P27392 | Elbow, 90 deg. (Long) | 1 | " – " | Includes O-Ring |
| 14 | P27394 | Elbow, 90 deg. | 2 | " – " | Bulkhead |
| 15 | P19412 | Tee, Swivel | 2 | " – " | |
| 16 | P20979 | Tee, Swivel | 2 | " – " | |
| 17 | P27428 | Hose, Hydraulic | 2 | " – " | .25" x 25" |
| 18 | P24682 | Hose, Hydraulic | 1 | " – " | .25" x 58" |
| 19 | P27666 | Hose, Hydraulic | 1 | " – " | .25" x 63" |
| 20 | P29775 | Hose, Hydraulic | 1 | " – " | .50" x 22" |
| 21 | P29765 | Hose, Hydraulic | 1 | " – " | .50" x 25" |
| 22 | P29766 | Hose, Hydraulic | 1 | " – " | .50" x 30" |
| 23 | P29767 | Hose, Hydraulic | 1 | " – " | .50" x 38" |
| 24 | P00104 | Bolt, Hx. Hd. | 3 | " – " | 5/16"-18 x 1" |
| 25 | P00108 | Bolt, Hx. Hd. | 8 | " – " | 5/16"-18 x 2" |
| 26 | P00111 | Bolt, Hx. Hd. | 3 | " – " | 5/16"-18 x 2 3/4" |
| 27 | P00204 | Bolt, Hx. Hd. | 4 | " – " | 3/8"-16 x 1" |
| 28 | P00402 | Bolt, Hx. Hd. | 8 | " – " | 1/2"-13 x 1" |
| 29 | P01309 | Lockwasher | 14 | " – " | 5/16" |
| 30 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 31 | P01312 | Lockwasher | 8 | " – " | 1/2" |
| 32 | P01404 | Washer, Flat | 2 | " – " | 3/8" |
| 33 | P01507 | Nut, Hx. | 3 | " – " | 5/16"-18 |
| 34 | P01508 | Nut, Hx. | 2 | " – " | 3/8"-16 |

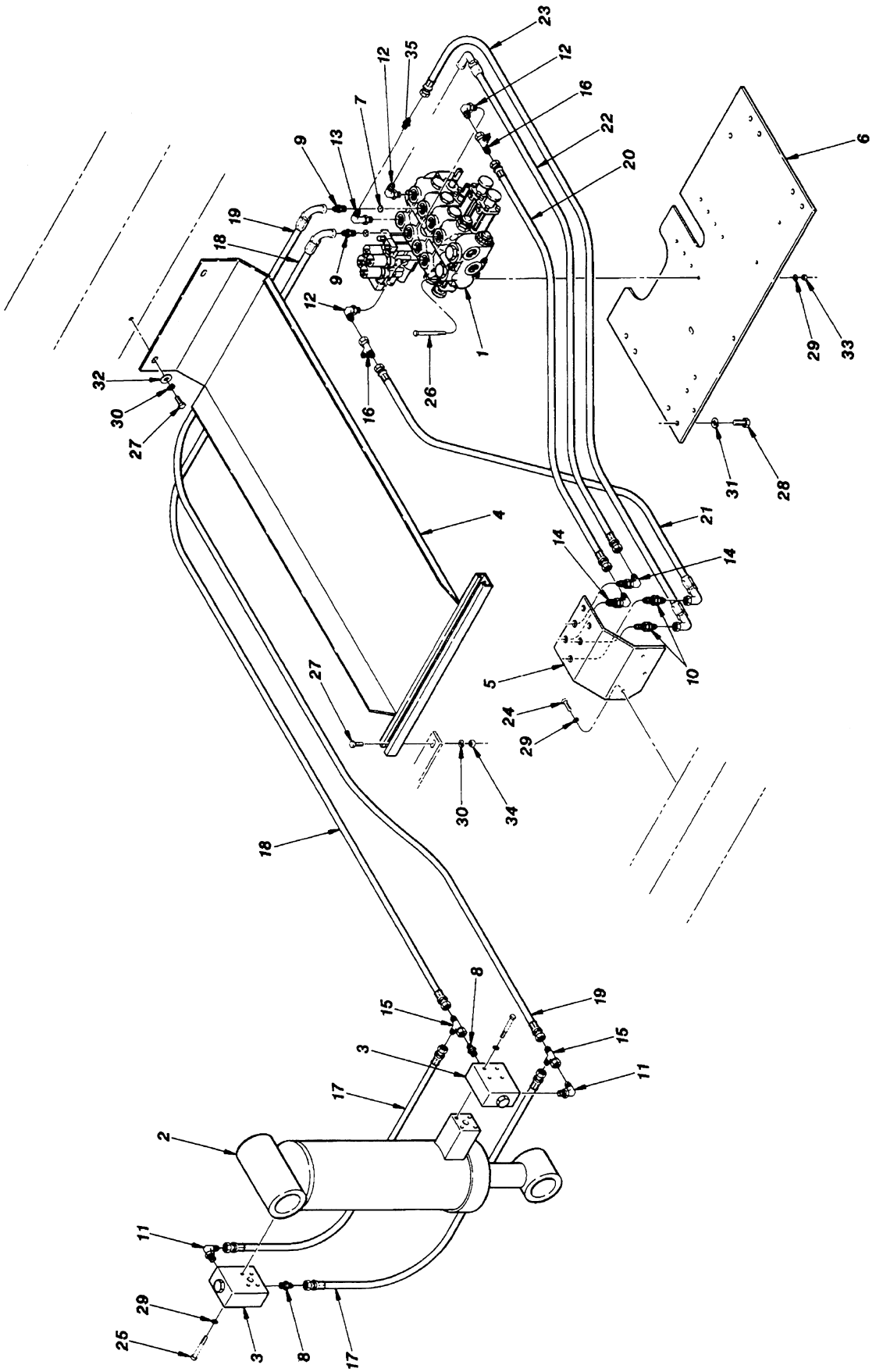



Figure 29948-1

## 29948-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31557 | Valve Assembly, Control | 1 | 3112 – | 4 - Spool |
| 2 | P24741 | Cylinder, Frame Tilt | 1 | " – " | |
| 3 | P17686 | Valve, Counterbalance | 2 | " – " | Counterbalance |
| 4 | 31782B | Tray | 1 | " – " | Hose |
| 5 | 31814B | Bracket | 1 | " – " | Bulkhead |
| 6 | 30383C | Plate | 1 | " – " | Valve Mounting |
| 7 | 31846A | Restrictor | 2 | " – " | |
| 8 | P19478 | Connector | 2 | " – " | Includes O-Ring |
| 9 | P25697 | Connector | 2 | " – " | Includes O-Ring |
| 10 | P18949 | Connector | 2 | " – " | Bulkhead |
| 11 | P18935 | Elbow, 90 deg | 2 | " – " | Includes O-Ring |
| 12 | P25247 | Elbow, 90 deg. | 3 | " – " | Includes O-Ring |
| 13 | P29012 | Elbow, 90 deg. (Long) | 1 | " – " | Includes O-Ring |
| 14 | P27394 | Elbow, 90 deg. | 2 | " – " | Bulkhead |
| 15 | P19412 | Tee, Swivel | 2 | " – " | |
| 16 | P20979 | Tee, Swivel | 2 | " – " | |
| 17 | P27428 | Hose, Hydraulic | 2 | " – " | .25" x 25" |
| 18 | P24682 | Hose, Hydraulic | 1 | " – " | .25" x 58" |
| 19 | P27666 | Hose, Hydraulic | 1 | " – " | .25" x 63" |
| 20 | P29775 | Hose, Hydraulic | 1 | " – " | .50" x 22" |
| 21 | P29765 | Hose, Hydraulic | 1 | " – " | .50" x 25" |
| 22 | P29766 | Hose, Hydraulic | 1 | " – " | .50" x 30" |
| 23 | P29767 | Hose, Hydraulic | 1 | " – " | .50" x 38" |
| 24 | P00104 | Bolt, Hx. Hd. | 3 | " – " | 5/16"-18 x 1" |
| 25 | P00108 | Bolt, Hx. Hd. | 8 | " – " | 5/16"-18 x 2" |
| 26 | P00111 | Bolt, Hx. Hd. | 3 | " – " | 5/16"-18 x 2 3/4" |
| 27 | P00204 | Bolt, Hx. Hd. | 4 | " – " | 3/8"-16 x 1" |
| 28 | P00402 | Bolt, Hx. Hd. | 8 | " – " | 1/2"-13 x 1" |
| 29 | P01309 | Lockwasher | 14 | " – " | 5/16" |
| 30 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 31 | P01312 | Lockwasher | 8 | " – " | 1/2" |
| 32 | P01404 | Washer, Flat | 2 | " – " | 3/8" |
| 33 | P01507 | Nut, Hx. | 3 | " – " | 5/16"-18 |
| 34 | P01508 | Nut, Hx. | 2 | " – " | 3/8"-16 |
| 35 | P27383 | Reducer | 1 | " – " | |

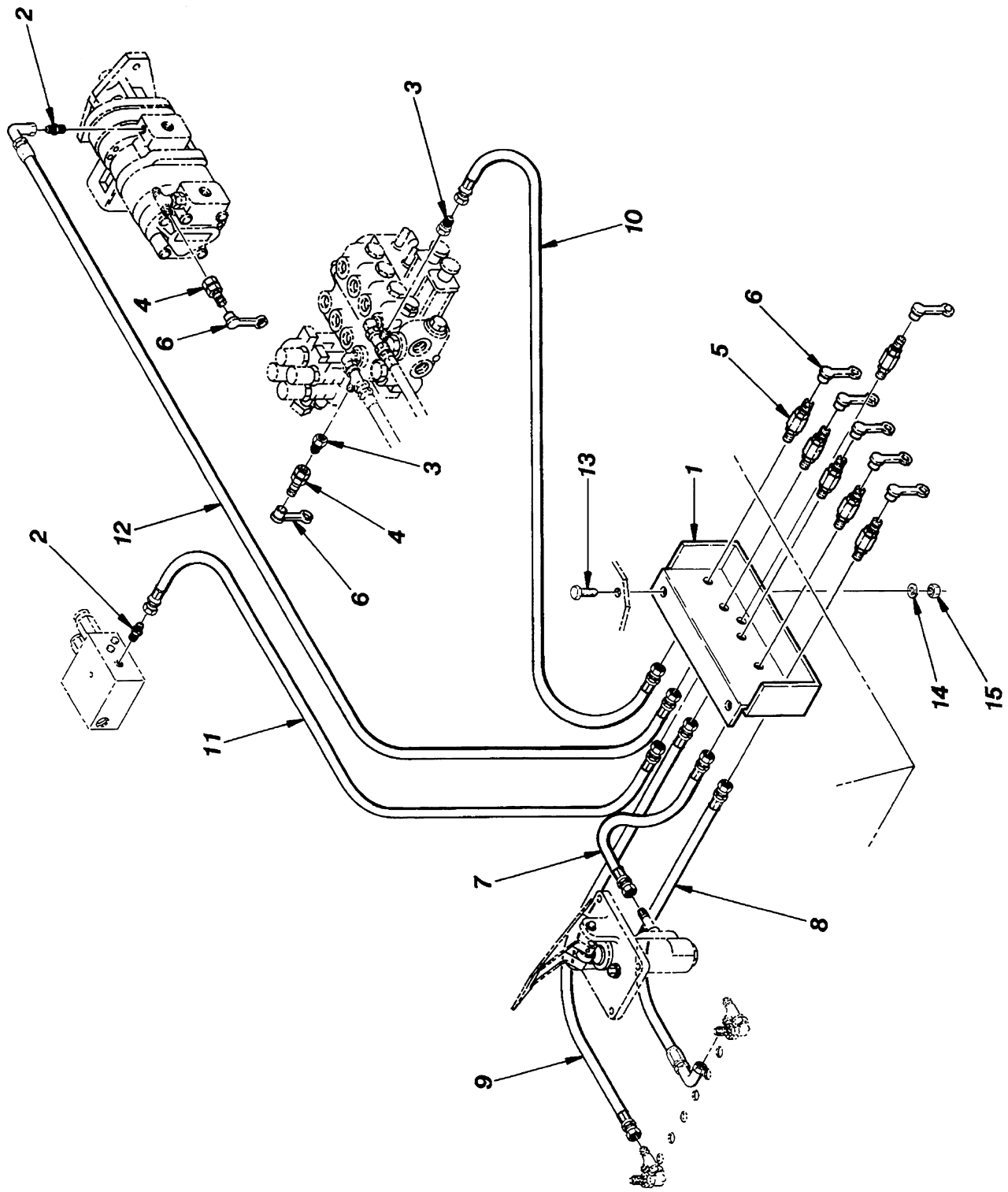



**Figure 29949**

## 29949

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 30217B | Housing, Test Port | 1 | 2784 – 3111 | |
| 2 | P18960 | Connector, O-Ring | 2 | " – " | |
| 3 | P26607 | Reducer, Swivel | 2 | " – " | |
| 4 | P27374 | Diagnostic Nipple | 2 | " – " | |
| 5 | P28496 | Diagnostic Nipple, Bulkhead | 6 | " – " | |
| 6 | P27805 | Dust Cap | 8 | " – " | |
| 7 | P29778 | Hyd. Hose | 1 | " – " | .25" x 8" |
| 8 | P29785 | Hyd. Hose | 1 | " – " | .25" x 17" |
| 9 | P19889 | Hyd. Hose | 1 | " – " | .25" x 32" |
| 10 | P29784 | Hyd. Hose | 1 | " – " | .25" x 44" |
| 11 | P29779 | Hyd. Hose | 1 | " – " | .25" x 45" |
| 12 | P27665 | Hyd. Hose | 1 | " – " | .25" x 58" |
| 13 | P00204 | Bolt, Hx. | 2 | " – " | 3/8"-16 x 1" |
| 14 | P01310 | Lockwasher | 2 | " – " | 3/8" |
| 15 | P01508 | Nut, Hx. | 2 | " – " | 3/8"-16 |

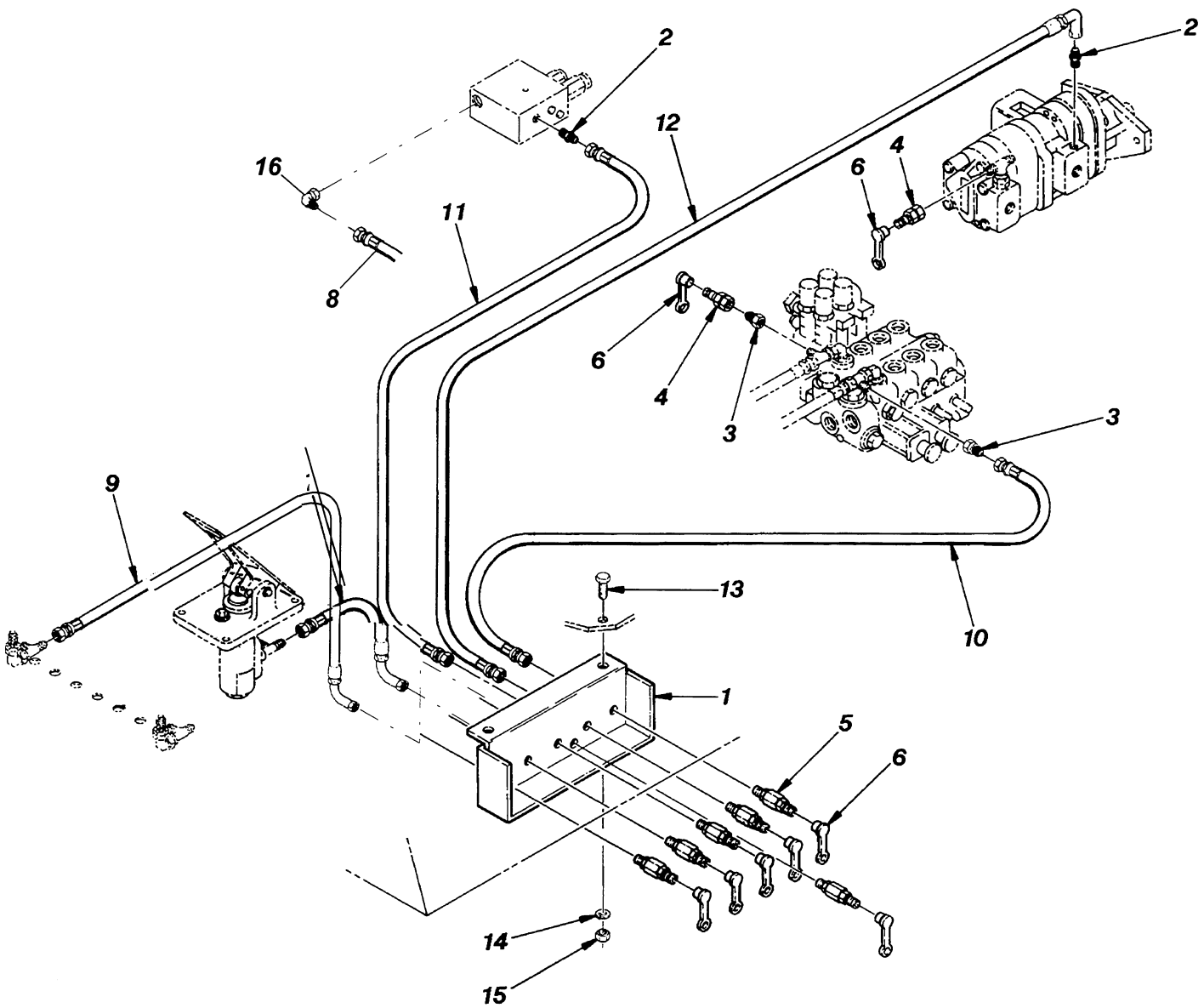



Figure 29949-1

## 29949-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 30217B | Housing, Test Port | 1 | 3112 – | |
| 2 | P18960 | Connector, O-Ring | 2 | " – " | |
| 3 | P26607 | Reducer, Swivel | 2 | " – " | |
| 4 | P27374 | Diagnostic Nipple | 2 | " – " | |
| 5 | P28496 | Diagnostic Nipple, Bulkhead | 5 | " – " | |
| 6 | P27805 | Dust Cap | 7 | " – " | |
| 7 | P31182 | Hyd. Hose | 1 | " – " | |
| 8 | P31183 | Hyd. Hose | 1 | " – " | |
| 9 | P27662 | Hyd. Hose | 1 | " – " | |
| 10 | P29784 | Hyd. Hose | 1 | " – " | .25" x 44" |
| 11 | P29779 | Hyd. Hose | 1 | " – " | .25" x 45" |
| 12 | P27665 | Hyd. Hose | 1 | " – " | .25" x 58" |
| 13 | P00204 | Bolt, Hx. | 2 | " – " | 3/8"-16 x 1" |
| 14 | P01310 | Lockwasher | 2 | " – " | 3/8" |
| 15 | P01508 | Nut, Hx. | 2 | " – " | 3/8"-16 |
| 16 | P18956 | Elbow, 90° | 1 | " – " | |

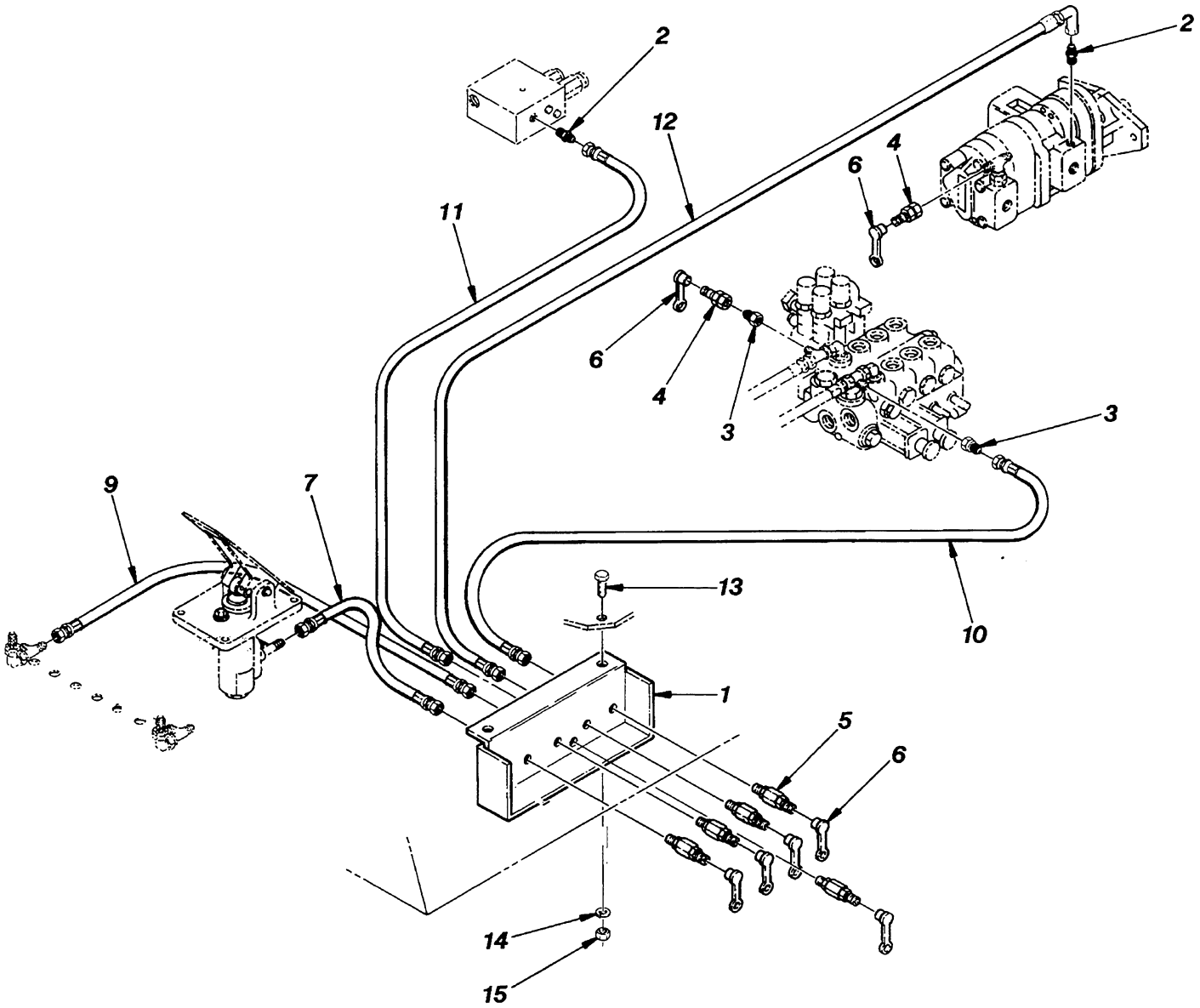



**Figure 29949-2**

## 29949-2

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 30217B | Housing, Test Port | 1 | ..... | |
| 2 | P18960 | Connector, O-Ring | 2 | ..... | |
| 3 | P26607 | Reducer, Swivel | 2 | ..... | |
| 4 | P27374 | Diagnostic Nipple | 2 | ..... | |
| 5 | P28496 | Diagnostic Nipple, Bulkhead | 5 | ..... | |
| 6 | P27805 | Dust Cap | 7 | ..... | |
| 7 | P29963 | Hyd. Hose | 1 | ..... | .25" x 10" |
| 9 | P19889 | Hyd. Hose | 1 | ..... | .25" x 32" |
| 10 | P29784 | Hyd. Hose | 1 | ..... | .25" x 44" |
| 11 | P29779 | Hyd. Hose | 1 | ..... | .25" x 45" |
| 12 | P27665 | Hyd. Hose | 1 | ..... | .25" x 58" |
| 13 | P00204 | Bolt, Hx. | 2 | ..... | 3/8"-16 x 1" |
| 14 | P01310 | Lockwasher | 2 | ..... | 3/8" |
| 15 | P01508 | Nut, Hx. | 2 | ..... | 3/8"-16 |

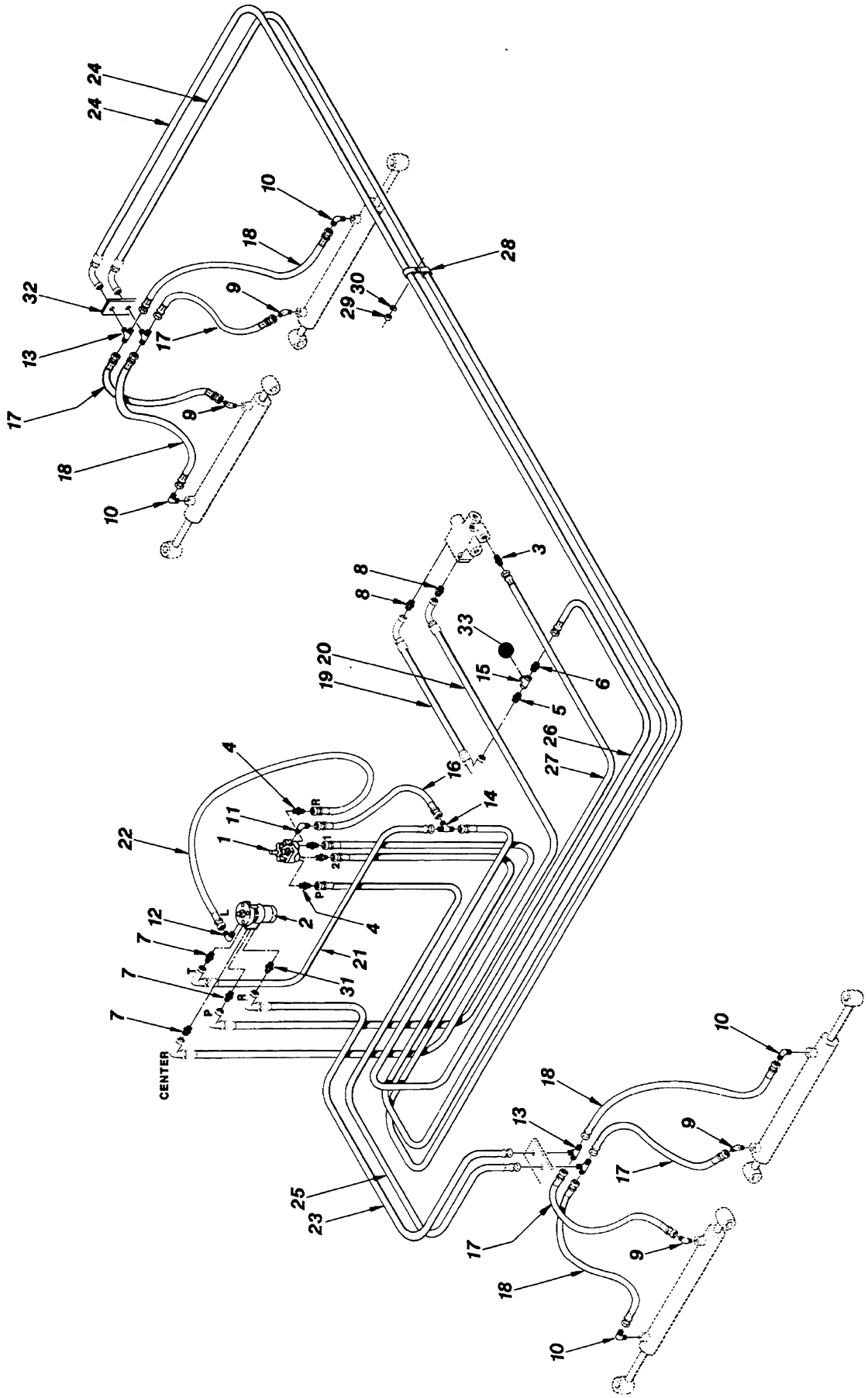



Figure 18389

## 18389

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 31914A | Valve, Steering Selector | 1 | 101 – 1694 | Replaces P13714. |
| 2 | P19293 | Steer Motor | 1 | " – " | |
| NI | P19432 | Seal Kit, Steer Motor | – | " – " | |
| 3 | P15406 | Connector, O-Ring | 1 | " – " | |
| 4 | P18938 | Connector, JIC-Pipe | 4 | " – " | |
| 5 | P19246 | Connector, JIC-Pipe | 1 | " – " | |
| 6 | P19875 | Connector, JIC-Pipe | 1 | " – " | |
| 7 | P18944 | Connector, O-Ring | 3 | " – " | |
| 8 | P18960 | Connector, O-Ring | 2 | " – " | |
| 9 | P18943 | 45° Elbow, JIC-Pipe | 4 | " – " | |
| 10 | P18941 | 90° Elbow, JIC-Pipe | 4 | " – " | |
| 11 | P18945 | 90° Elbow, JIC-Pipe | 1 | " – " | |
| 12 | P18956 | 90° Elbow, O-Ring | 1 | " – " | |
| 13 | P18942 | Tee, Bulkhead | 4 | " – " | |
| 14 | P18995 | Tee, Union | 1 | " – " | |
| 15 | P10106 | Tee, Pipe | 1 | " – " | |
| 16 | P18868 | Hyd. Hose | 1 | " – " | .25" x 16" |
| 17 | P18892 | Hyd. Hose | 4 | " – " | .25" x 17" |
| 18 | P19490 | Hyd. Hose | 4 | " – " | .25" x 23" |
| 19 | P19495 | Hyd. Hose | 1 | " – " | .25" x 13" |
| 20 | P21330 | Hyd. Hose | 1 | " – " | .25" x 60" |
| 21 | P18870 | Hyd. Hose | 1 | " – " | .38" x 15" |
| 22 | P18873 | Hyd. Hose | 1 | " – " | .38" x 15" |
| 23 | P19421 | Hyd. Hose | 1 | " – " | .38" x 56" |
| 24 | P21324 | Hyd. Hose | 2 | " – " | .38" x 137" |
| 25 | P21325 | Hyd. Hose | 1 | " – " | .38" x 52" |
| 26 | P21328 | Hyd. Hose | 1 | " – " | .38" x 40" |
| 27 | P21329 | Hyd. Hose | 1 | " – " | .38" x 53" |
| 28 | P17553 | Clamp, Hyd. Hose | 2 | " – " | |
| 29 | P01507 | Nut, Hx. | 1 | " – " | 5/16"-18 |
| 30 | P01309 | Lockwasher | 1 | " – " | 5/16" |
| 31 | P19414 | Check Valve | 1 | " – " | |
| 32 | 21508A | Bulkhead Mount, Rear | 1 | 823 – 1694 | |
| | 16271A | Bulkhead Mount, Rear | 1 | 101 – 822 | |
| 33 | See Page 5-2 | Lower Hydraulic Assembly | – | ..... | |

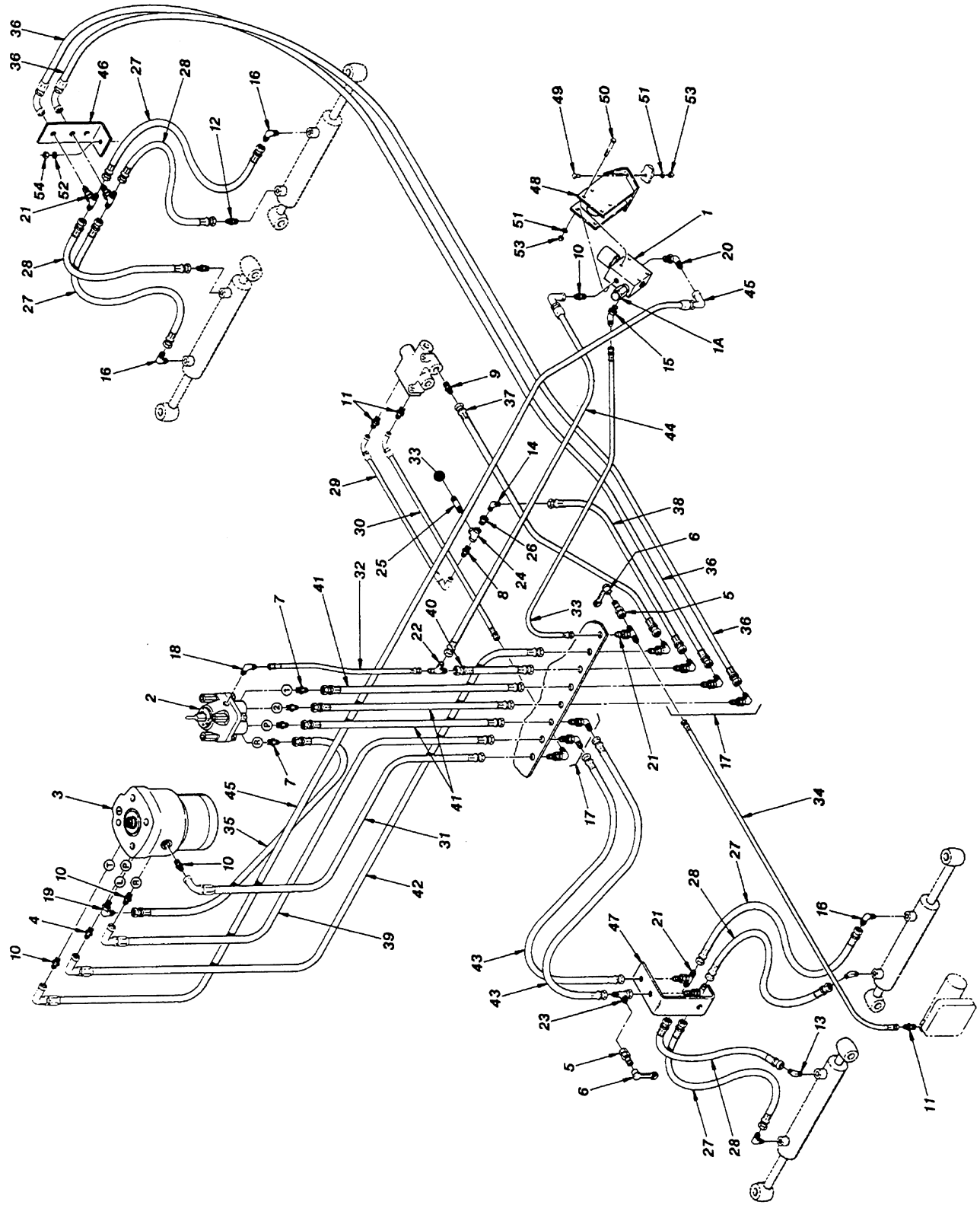


Figure 18389-1

## 18389-1 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P25455 | Valve, Differential Lock | 1 | 1695 – 2783 | |
| 1A | P25473 | Relief Valve, Diff. Lock | 1 | " – " | |
| 2 | 31914A | Valve, Steering Selector | 1 | " – " | Replaces P13714. |
| 3 | P19293 | Steer Motor | 1 | " – " | |
| NI | P19432 | Seal Kit, Steer Motor | - | " – " | |
| 4 | P19414 | Valve, Check | 1 | " – " | |
| 5 | P27379 | Nipple, Pressure Check | 2 | 2153 – 2783 | For Axle |
| | P27379 | Nipple, Pressure Check | 2 | 2442 – 2783 | For Diff. Lock |
| 6 | P27805 | Dust Cap | 2 | 2153 – 2783 | For Axle |
| | P27805 | Dust Cap | 2 | 2442 – 2783 | For Diff. Lock |
| 7 | P18938 | Connector, JIC-Pipe | 2 | 1695 – 2783 | |
| 8 | P19246 | Connector, JIC-Pipe | 1 | " – " | |
| 9 | P15406 | Connector, O-Ring | 1 | " – " | |
| 10 | P18944 | Connector, O-Ring | 4 | " – " | |
| 11 | P18960 | Connector, O-Ring | 3 | " – " | |
| 12 | P18936 | Connector, O-Ring | 2 | 2492 – 2783 | |
| | P18938 | Connector, JIC-Pipe | 2 | 101 – 2491 | |
| 13 | P19815 | 45° Elbow, O-Ring | 2 | 2492 – 2783 | |
| | P18943 | 45° Elbow, JIC-Pipe | 2 | 101 – 2491 | |
| 14 | P18943 | 45° Elbow, JIC-Pipe | 1 | 1695 – 2783 | |
| 15 | P21619 | 45° Elbow, O-Ring | 1 | 1695 – 2783 | |
| 16 | P18935 | 90° Elbow, O-Ring | 4 | 2492 – 2783 | |
| | P18941 | 90° Elbow, JIC-Pipe | 4 | 101 – 2491 | |
| 17 | P18931 | 90° Elbow, Bulkhead | 7 | 1695 – 2783 | |
| 18 | P18945 | 90° Elbow, JIC-Pipe | 1 | " – " | |
| 19 | P18956 | 90° Elbow, O-Ring | 1 | " – " | |
| 20 | P19724 | 90° Elbow, O-Ring | 1 | " – " | |
| 21 | P18942 | Tee, Bulkhead | 5 | " – " | |
| 22 | P18995 | Tee, Union | 1 | " – " | |
| 23 | P19412 | Tee, Swivel | 1 | " – " | |
| 24 | P10106 | Tee, Pipe | 1 | " – " | |
| 25 | P10610 | Nipple, Pipe | 1 | " – " | |
| 26 | P10120 | Reducer, Bushing | 1 | " – " | |
| 27 | P27161 | Hose, Hyd. | 4 | " – " | .25" x 15" |
| 28 | P27650 | Hose, Hyd. | 4 | " – " | .25" x 20" |
| 29 | P29258 | Hose, Hyd. | 1 | " – " | .25" x 20" |
| 30 | P29167 | Hose, Hyd. | 1 | " – " | .25" x 32" |
| 31 | P20482 | Hose, Hyd. | 1 | " – " | .25" x 30" |
| 32 | P25851 | Hose, Hyd. | 1 | " – " | .25" x 14" |
| 33 | P18868 | Hose, Hyd. | 1 | " – " | .25" x 15.5" |
| 34 | P26609 | Hose, Hyd. | 1 | " – " | .25" x 85" |
| 35 | P27729 | Hose, Hyd. | 1 | " – " | .38" x 17" |
| 36 | P29257 | Hose, Hyd. | 2 | " – " | .38" x 104" |
| 37 | P21940 | Hose, Hyd. | 1 | " – " | .38" x 36" |
| 38 | P27171 | Hose, Hyd. | 1 | " – " | .38" x 29" |
| 39 | P19065 | Hose, Hyd. | 1 | " – " | .38" x 27" |
| 40 | P29259 | Hose, Hyd. | 1 | " – " | .38" x 14" |
| 41 | P19067 | Hose, Hyd. | 3 | " – " | .38" x 28" |
| 42 | P25887 | Hose, Hyd. | 1 | " – " | .38" x 27" |
| 43 | P19487 | Hose, Hyd. | 2 | " – " | .38" x 60" |

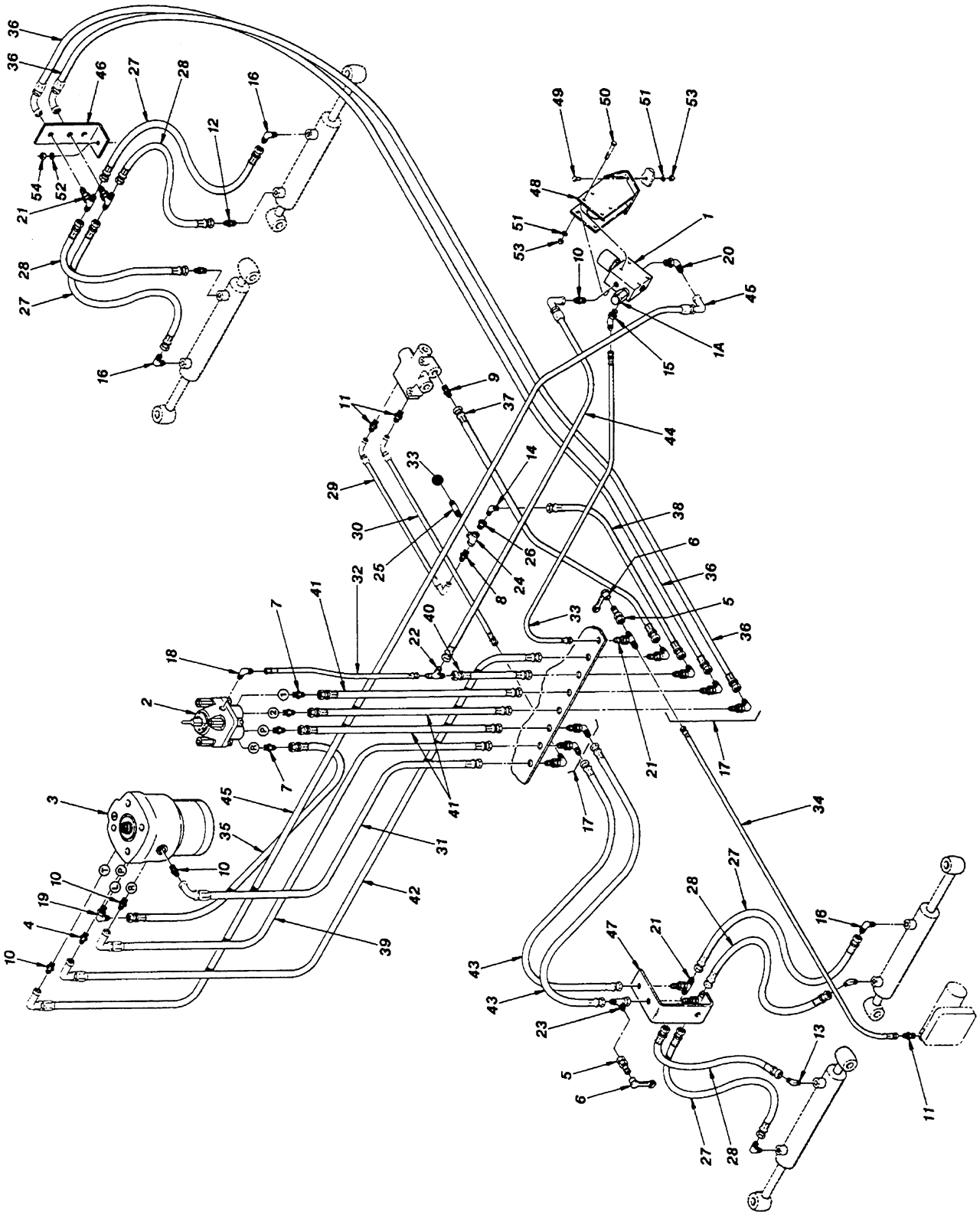


Figure 18389-1

## 18389-1 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 44 | P27183 | Hose, Hyd. | 1 | 2565 – 2783 | .38" x 8.5" |
| | P26614 | Hose, Hyd. | 1 | 101 – 2564 | .38" x 10" |
| 45 | P26616 | Hose, Hyd. | 1 | 1695 – 2783 | .38" x 35" |
| 46 | 21508A | Bulkhead Mount | 1 | " – " | Rear |
| | 24309B | Bulkhead Mount | 1 | " – " | Rear, For Deutz apps. |
| 47 | 24186A | Bulkhead Mount | 1 | " – " | Front |
| 48 | 22013C | Mount, Diff. Lock Valve | 1 | " – " | |
| 49 | P00001 | Bolt, Hx. | 2 | " – " | 1/4"-20 x 1/2" |
| 50 | P00009 | Bolt, Hx. | 4 | " – " | 1/4"-20 x 2" |
| 51 | P01308 | Lockwasher | 6 | " – " | 1/4" |
| 52 | P01310 | Lockwasher | 2 | " – " | 3/8" |
| 53 | P01506 | Nut, Hx. | 6 | " – " | 1/4"-20 |
| 54 | P01508 | Nut, Hx. | 2 | " – " | 3/8"-16 |
| 55 | See Page 5-2 | Lower Hydraulic Assembly | – | ..... | |

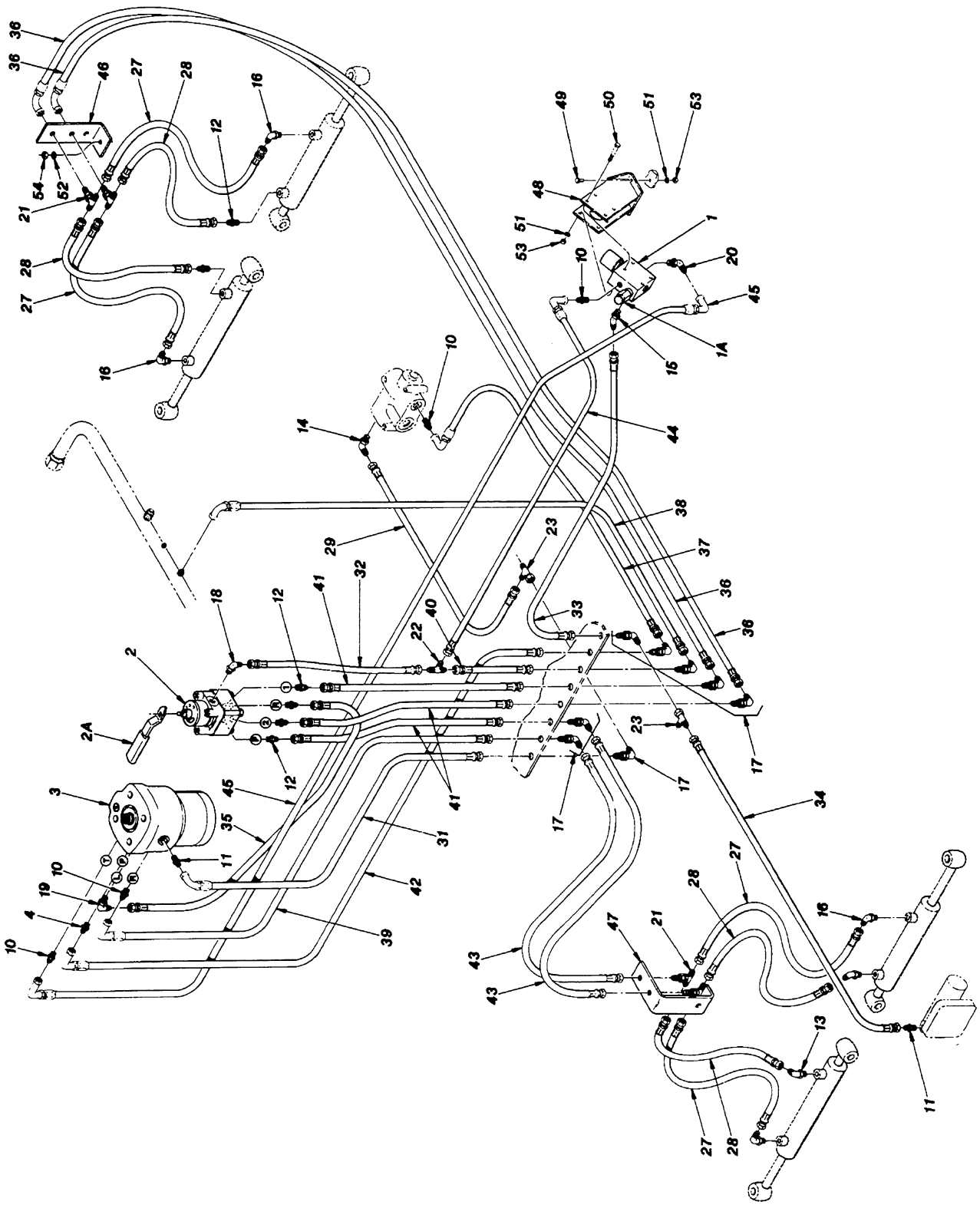


Figure 18389-2

## 18389-2

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P25455 | Valve, Differential Lock | 1 | 2784 – | |
| 1A | P25473 | Relief Valve, Diff. Lock | 1 | " – " | |
| 2 | P29100 | Valve, Steering Selector | 1 | " – " | |
| 2A | P18085 | Handle, Selector | 1 | " – " | |
| 3 | P19293 | Steer Motor | 1 | " – " | |
| NI | P19432 | Seal Kit, Steer Motor | – | " – " | |
| 4 | P19414 | Valve, Check | 1 | " – " | |
| 10 | P18944 | Connector, O-Ring | 4 | " – " | |
| 11 | P18960 | Connector, O-Ring | 2 | " – " | |
| 12 | P18936 | Connector, O-Ring | 6 | " – " | |
| 13 | P19815 | 45° Elbow, O-Ring | 2 | " – " | |
| 14 | P19248 | 90° Elbow, O-Ring | 1 | " – " | |
| 15 | P21619 | 45° Elbow, O-Ring | 1 | " – " | |
| 16 | P18935 | 90° Elbow, O-Ring | 4 | " – " | |
| 17 | P18931 | 90° Elbow, Bulkhead | 8 | " – " | |
| 18 | P24609 | 90° Elbow, O-Ring | 1 | " – " | |
| 19 | P18956 | 90° Elbow, O-Ring | 1 | " – " | |
| 20 | P19724 | 90° Elbow, O-Ring | 1 | " – " | |
| 21 | P18942 | Tee, Bulkhead | 4 | " – " | |
| 22 | P18995 | Tee, Union | 1 | " – " | |
| 23 | P19412 | Tee, Swivel | 2 | " – " | |
| 27 | P27161 | Hose, Hyd. | 4 | " – " | .25" x 15" |
| 28 | P27650 | Hose, Hyd. | 4 | " – " | .25" x 20" |
| 29 | P29780 | Hose, Hyd. | 1 | " – " | .25" x 29" |
| 31 | P20482 | Hose, Hyd. | 1 | " – " | .25" x 30" |
| 32 | P25851 | Hose, Hyd. | 1 | " – " | .25" x 14" |
| 33 | P18868 | Hose, Hyd. | 1 | " – " | .25" x 15.5" |
| 34 | P26609 | Hose, Hyd. | 1 | " – " | .25" x 85" |
| 35 | P27729 | Hose, Hyd. | 1 | " – " | .38" x 17" |
| 36 | P29257 | Hose, Hyd. | 2 | " – " | .38" x 104" |
| 37 | P19890 | Hose, Hyd. | 1 | " – " | .38" x 35" |
| 38 | P29771 | Hose, Hyd. | 1 | " – " | .38" x 66" |
| 39 | P19065 | Hose, Hyd. | 1 | " – " | .38" x 27" |
| 40 | P29259 | Hose, Hyd. | 1 | " – " | .38" x 14" |
| 41 | P27170 | Hose, Hyd. | 3 | " – " | .38" x 28" |
| 42 | P25887 | Hose, Hyd. | 1 | " – " | .38" x 27" |
| 43 | P19487 | Hose, Hyd. | 2 | " – " | .38" x 60" |
| 44 | P27183 | Hose, Hyd. | 1 | " – " | .38" x 8.5" |
| 45 | P26616 | Hose, Hyd. | 1 | " – " | .38" x 35" |
| 46 | 21508A | Mount, Bulkhead | 1 | " – " | Rear |
| | 24309B | Bulkhead Mount | 1 | " – " | Rear, For Deutz apps. |
| 47 | 24186A | Mount, Bulkhead | 1 | " – " | Front |
| 48 | P28679 | Mount, Diff. Lock Valve | 1 | " – " | |
| 49 | P00001 | Bolt, Hx. | 3 | " – " | 1/4"-20 x 1/2" |
| 50 | P00009 | Bolt, Hx. | 4 | " – " | 1/4"-20 x 2" |
| 51 | P01308 | Lockwasher | 7 | " – " | 1/4" |
| 52 | P01310 | Lockwasher | 2 | " – " | 3/8" |
| 53 | P01506 | Nut, Hx. | 7 | " – " | 1/4"-20 |
| 54 | P01508 | Nut, Hx. | 2 | " – " | 3/8"-16 |

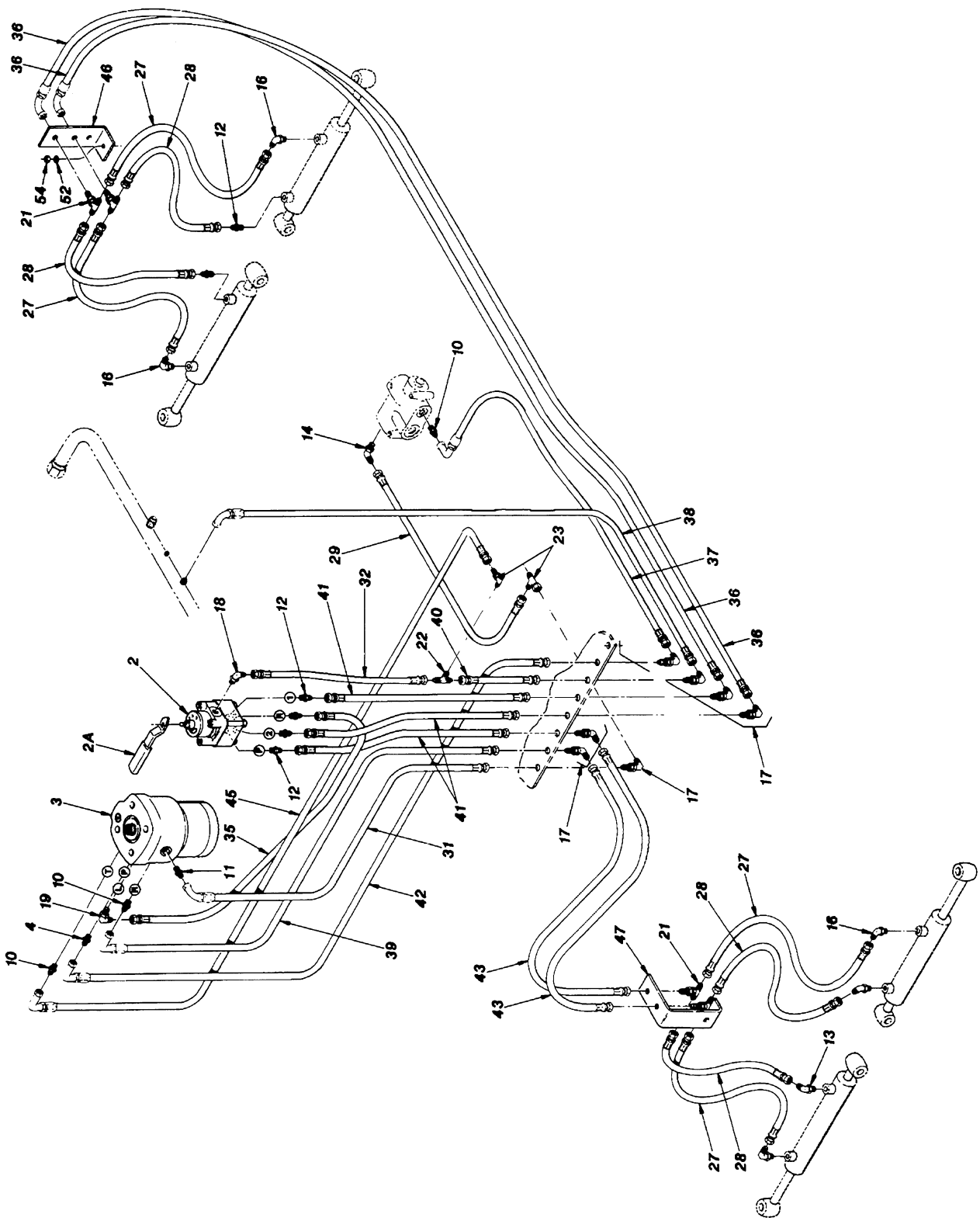



Figure 18389-3

## 18389-3

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 2 | P29100 | Valve, Steering Selector | 1 | ..... | |
| 2A | P18085 | Handle, Selector | 1 | ..... | |
| 3 | P19293 | Steer Motor | 1 | ..... | |
| NI | P19432 | Seal Kit, Steer Motor | – | ..... | |
| 4 | P19414 | Valve, Check | 1 | ..... | |
| 10 | P18944 | Connector, O-Ring | 3 | ..... | |
| 11 | P18960 | Connector, O-Ring | 1 | ..... | |
| 12 | P18936 | Connector, O-Ring | 6 | ..... | |
| 13 | P19815 | 45° Elbow, O-Ring | 2 | ..... | |
| 14 | P19248 | 90° Elbow, O-Ring | 1 | ..... | |
| 16 | P18935 | 90° Elbow, O-Ring | 4 | ..... | |
| 17 | P18931 | 90° Elbow, Bulkhead | 7 | ..... | |
| 18 | P24609 | 90° Elbow, O-Ring | 1 | ..... | |
| 19 | P18956 | 90° Elbow, O-Ring | 1 | ..... | |
| 21 | P18942 | Tee, Bulkhead | 4 | ..... | |
| 22 | P18995 | Tee, Union | 1 | ..... | |
| 23 | P19412 | Tee, Swivel | 2 | ..... | |
| 27 | P27161 | Hose, Hyd. | 4 | ..... | .25" x 15" |
| 28 | P27650 | Hose, Hyd. | 4 | ..... | .25" x 20" |
| 29 | P29780 | Hose, Hyd. | 1 | ..... | .25" x 29" |
| 31 | P20482 | Hose, Hyd. | 1 | ..... | .25" x 30" |
| 32 | P25851 | Hose, Hyd. | 1 | ..... | .25" x 14" |
| 35 | P27729 | Hose, Hyd. | 1 | ..... | .38" x 17" |
| 36 | P29257 | Hose, Hyd. | 2 | ..... | .38" x 104" |
| 37 | P19890 | Hose, Hyd. | 1 | ..... | .38" x 35" |
| 38 | P29771 | Hose, Hyd. | 1 | ..... | .38" x 66" |
| 39 | P19065 | Hose, Hyd. | 1 | ..... | .38" x 27" |
| 40 | P29259 | Hose, Hyd. | 1 | ..... | .38" x 14" |
| 41 | P27170 | Hose, Hyd. | 3 | ..... | .38" x 28" |
| 42 | P25887 | Hose, Hyd. | 1 | ..... | .38" x 27" |
| 43 | P19487 | Hose, Hyd. | 2 | ..... | .38" x 60" |
| 45 | P27670 | Hose, Hyd. | 1 | ..... | .38" x 15" |
| 46 | 21508A | Mount, Bulkhead | 1 | ..... | Rear |
| | 24309B | Bulkhead Mount | 1 | ..... | Rear, For Deutz apps. |
| 47 | 24186A | Mount, Bulkhead | 1 | ..... | Front |
| 52 | P01310 | Lockwasher | 2 | ..... | 3/8" |
| 54 | P01508 | Nut, Hx. | 2 | ..... | 3/8"-16 |

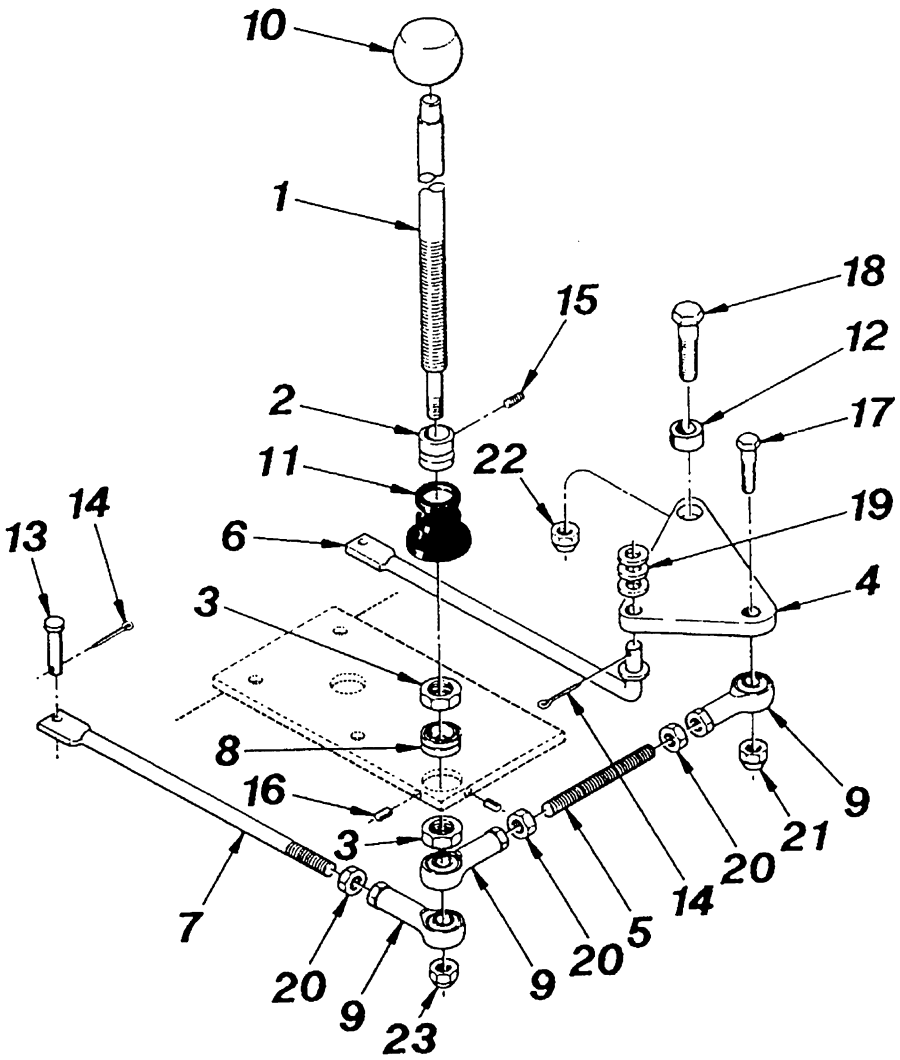



**Figure 18390**

## 18390

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 15823B | Lever, Boom Control | 1 | 101 – 1964 | |
| 2 | 15824A | Collar | 1 | " – " | |
| 3 | 15825A | Nut, Special | 2 | " – " | |
| 4 | 15583A | Toggle Plate | 1 | " – " | |
| 5 | 16330A | Link, Control | 1 | " – " | |
| 6 | 16331A | Rod, Control-Toggle | 1 | " – " | |
| 7 | 16332A | Rod, Control | 1 | " – " | |
| 8 | P18718 | Bushing, Self-Align | 1 | " – " | |
| 9 | P18719 | Rod End | 3 | " – " | |
| 10 | P18721 | Knob | 1 | " – " | |
| 11 | P19087 | Boot, Rubber | 1 | " – " | |
| 12 | P19114 | Bushing | 1 | " – " | |
| 13 | P18845 | Clevis Pin | 2 | " – " | |
| 14 | P03824 | Cotter Pin | 3 | " – " | 3/32" x 1" |
| 15 | P02561 | Setscrew, Cup Pt. Socket | 1 | " – " | 1/4"-20 x 3/16" |
| 16 | P02588 | Setscrew, Cup Pt. Socket | 2 | " – " | 5/16"-18 x 3/8" |
| 17 | P00205 | Bolt, Hx. | 1 | " – " | 3/8"-16 x 1 1/4" |
| 18 | P00404 | Bolt, Hx. | 1 | " – " | 1/2"-13 x 1 1/2" |
| 19 | P01404 | Flatwasher | 5 | " – " | 3/8" |
| 20 | P01531 | Nut, Hx. | 3 | " – " | 3/8"-24 |
| 21 | P01658 | Locknut, Hx. | 1 | " – " | 3/8"-16 |
| 22 | P01660 | Locknut, Hx. | 1 | " – " | 1/2"-13 |
| 23 | P01681 | Locknut, Hx. | 1 | " – " | 3/8"-24 |

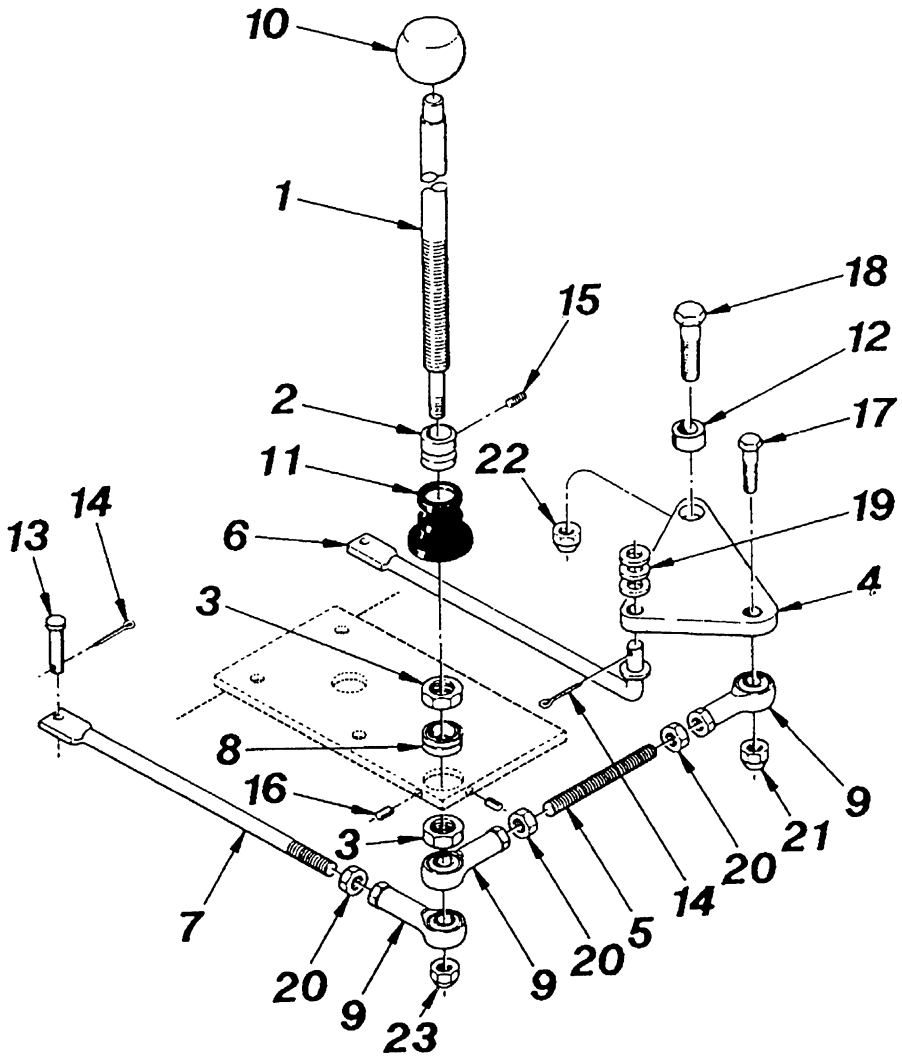



Figure 18390-1

## 18390-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P28692 | Lever, Boom Control | 1 | 1965 – | |
| 2 | P28652 | Collar | 1 | 1965 – | |
| 3 | P01685 | Locknut, Hx. | 2 | 1965 – | 5/8"-16 |
| | 15825A | Nut, Beveled | 2 | 1965 – | |
| 4 | P28691 | Toggle Plate | 1 | 2022 – | |
| | 15583A | Toggle Plate | 1 | 1965 – 2021 | |
| 5 | 16330A | Link, Control | 1 | 1965 – | |
| 6 | 25790A | Rod, Control-Toggle | 1 | 2022 – | |
| | 25675A | Rod, Control-Toggle | 1 | 1965 – 2021 | |
| 7 | 25677A | Rod, Control | 1 | 1965 – | |
| 8 | P28455 | Bushing, Self-Align | 1 | " – " | |
| 9 | P18719 | Rod End | 3 | " – " | |
| 10 | P27609 | Knob | 1 | " – " | |
| 11 | P19087 | Boot | 1 | " – " | Rubber |
| 12 | P19114 | Bushing | 1 | " – " | |
| 13 | P10512 | Clevis Pin | 2 | " – " | |
| 14 | P03824 | Cotter Pin | 3 | " – " | 3/32" x 1" |
| 15 | P02561 | Setscrew, Cup Pt. Socket | 1 | " – " | 1/4"-20 x 3/16" |
| 16 | P02588 | Setscrew, Cup Pt. Socket | 2 | " – " | 5/16"-18 x 3/8" |
| 17 | P00207 | Bolt, Hx. | 1 | " – " | 3/8"-16 x 1 3/4" |
| 18 | P00404 | Bolt, Hx. | 1 | " – " | 1/2"-13 x 1 1/2" |
| 19 | P01406 | Flatwasher | 5 | 2022 – | 1/2" |
| | P01404 | Flatwasher | 5 | 1965 – 2021 | 3/8" |
| 20 | P01531 | Nut, Hx. | 3 | " – " | 3/8"-24 |
| 21 | P01658 | Locknut, Hx. | 1 | " – " | 3/8"-16 |
| 22 | P01660 | Locknut, Hx. | 1 | " – " | 1/2"-13 |
| 23 | P01681 | Locknut, Hx. | 1 | " – " | 3/8"-24 |
| 24 | 25688A | Spacer | 1 | " – " | |

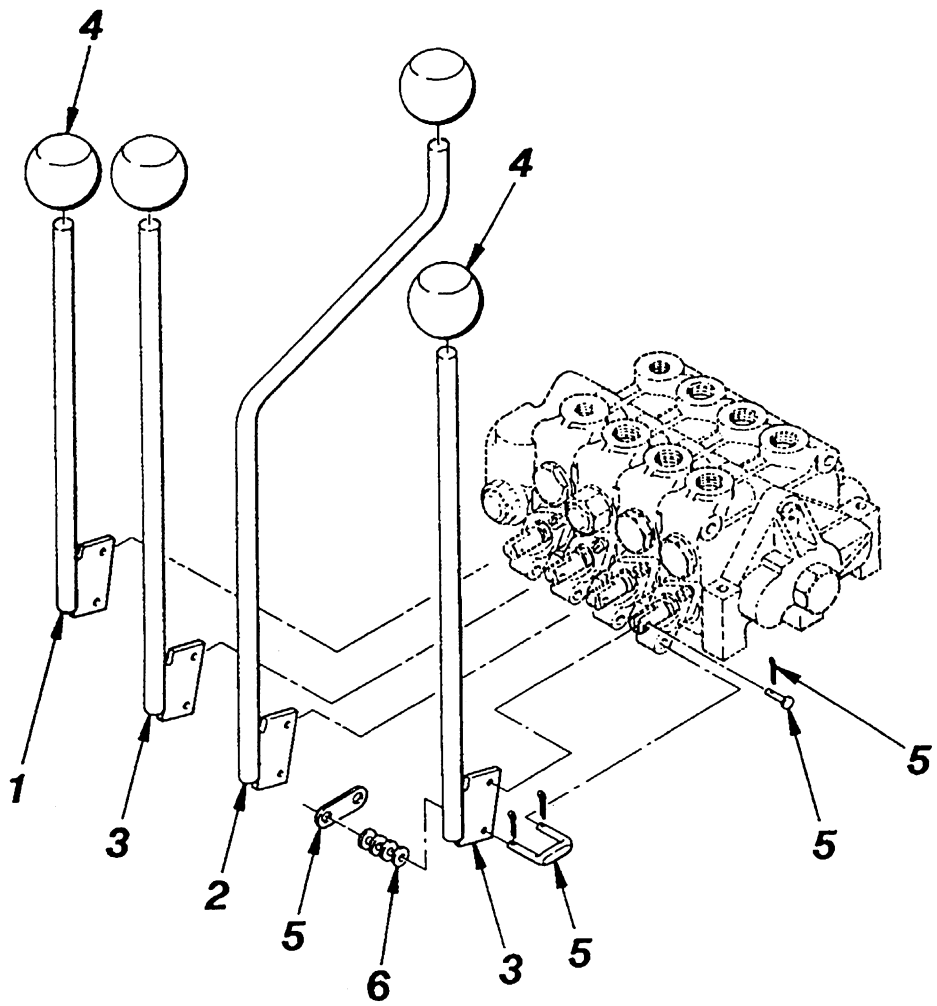



**Figure 18391**

## 18391

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 16124A | Valve Handle | 1 | ..... | Frame Tilt |
| 2 | 16294A | Valve Handle | 1 | ..... | Auxiliary |
| 3 | 16295B | Valve Handle | 2 | ..... | Fork Tilt & Transfer |
| 4 | P18721 | Knob, Handle | 4 | ..... | |
| 5 | P27957 | "U" Clevis Kit | 4 | ..... | |
| 6 | P01402 | Flatwasher | 28 | ..... | 1/4" |

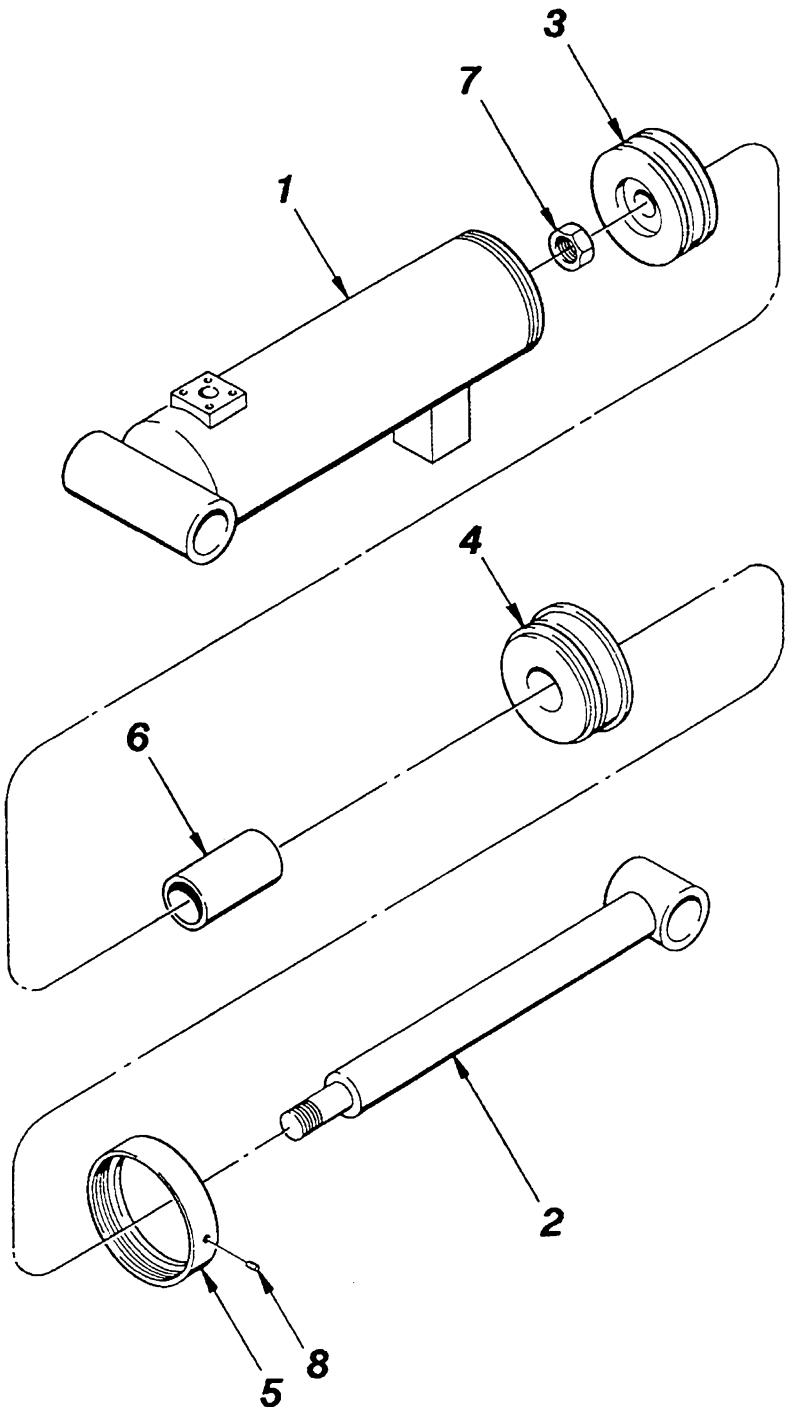



**Figure 18392**

## 18392

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20843 | Barrel Weldment | 1 | 101–760 | |
| | P19225 | Barrel Weldment | 1 | 916–918, 920, 921 | |
| 2 | P20841 | Rod Weldment | 1 | 101–760 | |
| | P19226 | Rod Weldment | 1 | 916–918, 920, 921 | |
| 3 | P19216 | Piston | 1 | 101–760 | |
| | P19233 | Piston | 1 | 916–918, 920, 921 | |
| 4 | P20840 | Rod Bearing | 1 | 101–760 | |
| | P19228 | Rod Bearing | 1 | 916–918, 920, 921 | |
| 5 | P19207 | Bearing Retainer | 1 | 101–760 | |
| | P19227 | Bearing Retainer | 1 | 916–918, 920, 921 | |
| 6 | P20842 | Stroke Limiter | 1 | 101–760 | |
| | P19230 | Stroke Limiter | 1 | 916–918, 920, 921 | |
| 7 | P19217 | Nut, Lock | 1 | 101–760 | |
| | P19234 | Nut, Lock | 1 | 916–918, 920, 921 | |
| 8 | P19208 | Setscrew | 1 | 101–760 | |
| | P19208 | Setscrew | 1 | 916–918, 920, 921 | |
| NI | P19523 | Seal Kit | 1 | 101–760 | |
| | P19524 | Seal Kit | 1 | 916–918, 920, 921 | |

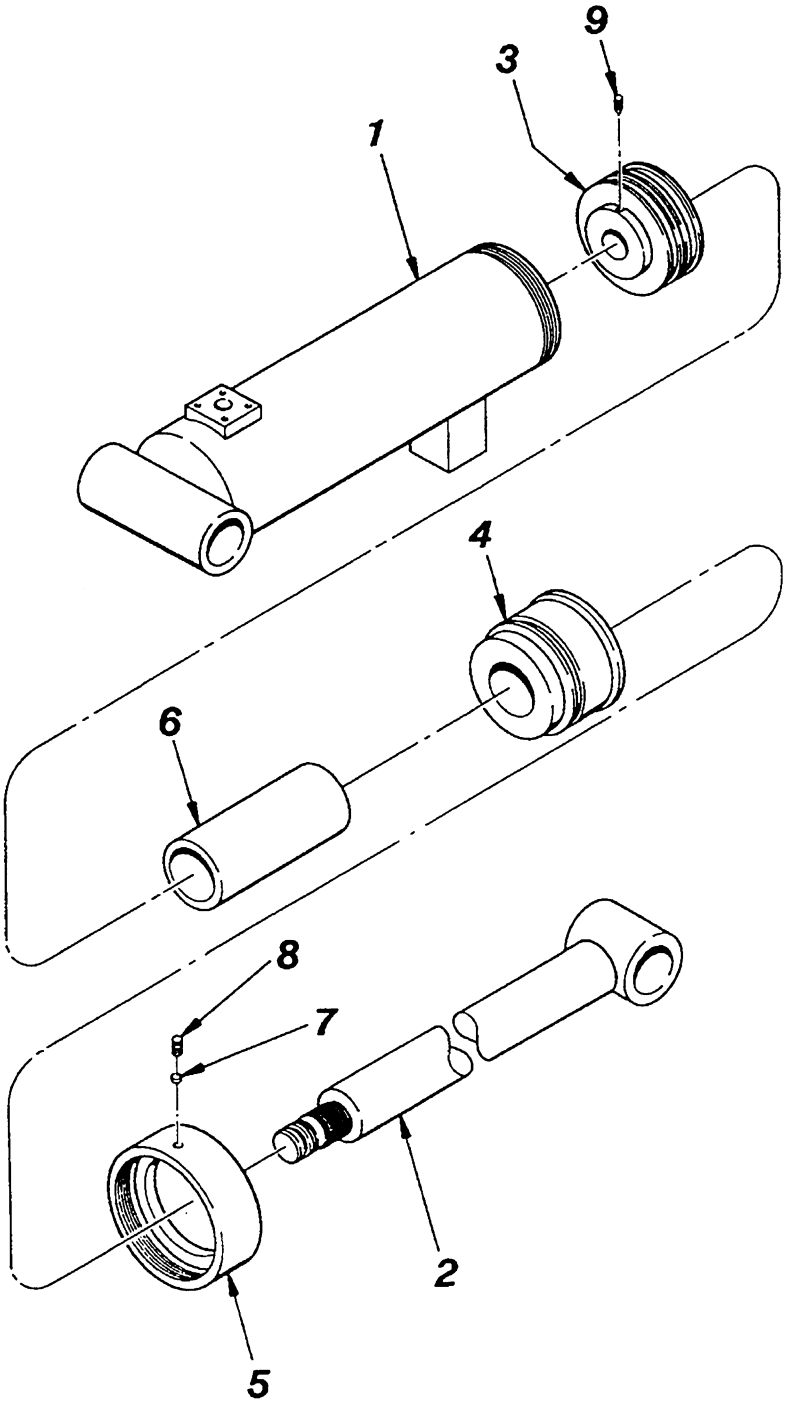



**Figure 18392-1**

## 18392-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P24741 | Cylinder Assembly, Frame Tilt | - | 761 – 915, 919, 922 – | Incl. Items 1-9 |
| 1 | P24894 | Weldment, Barrel | 1 | " – " | |
| 2 | P24904 | Weldment, Rod | 1 | " – " | |
| 3 | P24381 | Piston | 1 | " – " | |
| 4 | P24911 | Rod Bearing | 1 | " – " | |
| 5 | P24403 | Bearing Retainer | 1 | " – " | |
| 6 | P24916 | Stroke Limiter | 1 | " – " | |
| 7 | P24431 | Plug, Nylon | 1 | " – " | |
| 8 | P24434 | Setscrew | 1 | " – " | |
| 9 | P24435 | Setscrew | 1 | " – " | |
| NI | P24442 | Seal Kit | 1 | " – " | |

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| Accumulator Repair Kit | 10 |
| Pressure Switch | 10 |
| Repair Kit, Power Brake Valve | 10 |
| Valve, Power Brake | 10 |

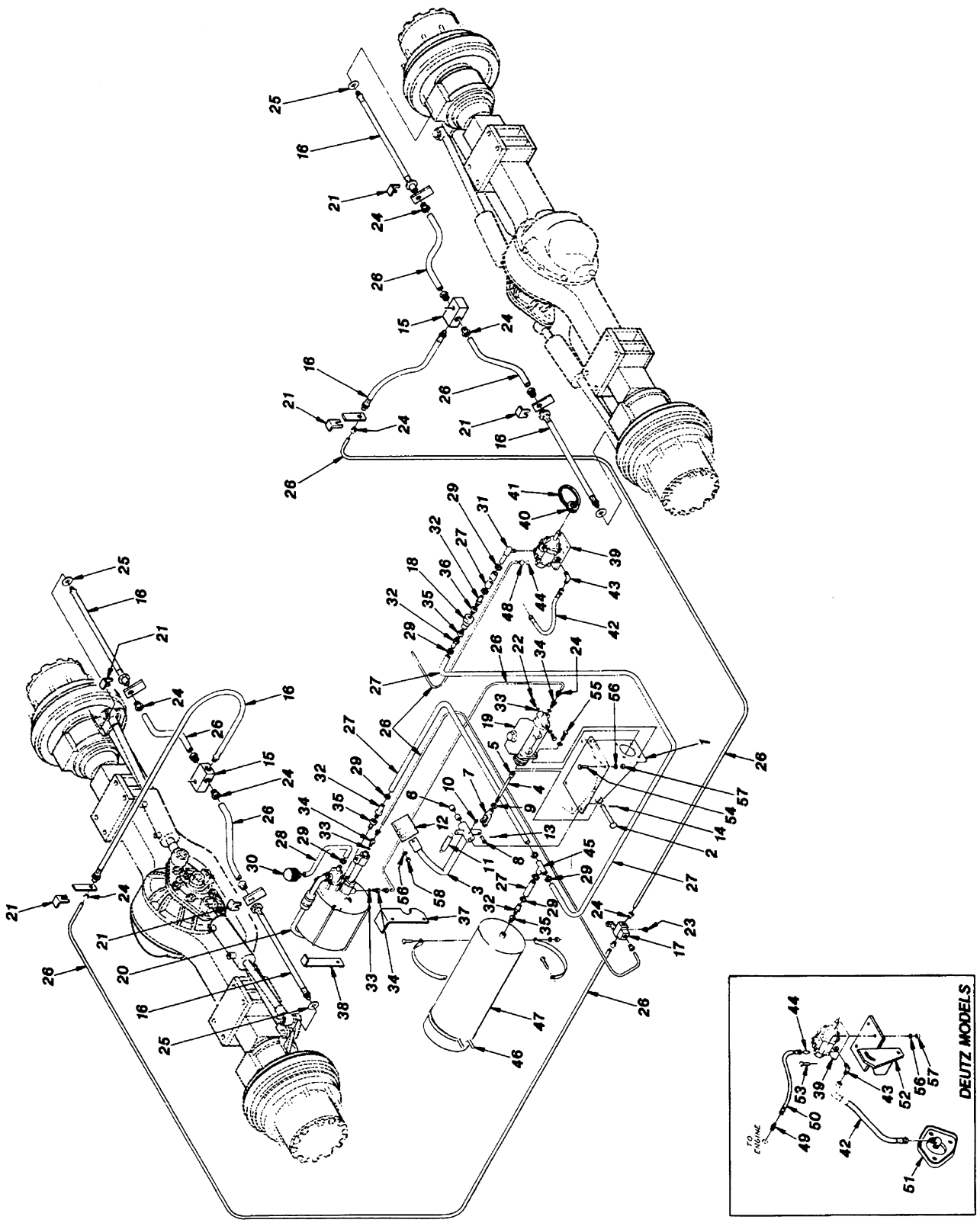



Figure 18361

## 18361 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 17706C | Housing, Brake Pedal | 1 | 101 – 468 | |
| 2 | 17712A | Pin, Pedal Pivot | 1 | " – " | |
| 3 | 17713B | Brake Pedal | 1 | " – " | |
| 4 | 18507A | Link, Push Rod | 1 | " – " | |
| 5 | 03512A | Guide, Push Rod | 1 | " – " | |
| 6 | P20391 | Bushing, Pedal | 2 | " – " | |
| 7 | P19081 | Clevis | 1 | " – " | |
| 8 | P10053 | Clevis Pin | 1 | " – " | 7/16" x 1 1/4" |
| 9 | P01582 | Jam Nut, Hx. | 1 | " – " | 7/16"-20 |
| 10 | P16611 | Grease Zerk | 1 | " – " | |
| 11 | P10581 | Spring, Pedal | 1 | " – " | |
| 12 | P17733 | Foot Pad, Pedal | 1 | " – " | |
| 13 | P03824 | Cotter Pin | 1 | " – " | 3/32" x 1" |
| 14 | P03865 | Cotter Pin | 1 | " – " | 3/16" x 1 1/2" |
| 15 | P15303 | Junction Block | 2 | " – " | |
| 16 | P11705 | Hose, Brake | 6 | " – " | |
| 17 | P16676 | Tee, Junction | 1 | " – " | |
| 18 | P11707 | Check Valve | 1 | " – " | |
| 19 | P11710 | Master Cylinder | 1 | " – " | |
| NI | P11742 | Rebuild Kit, Master Cylinder | - | " – " | |
| 20 | P11711 | Hydrovac | 1 | " – " | Rework of Replacement Required |
| 21 | P11715 | Horseshoe Clip | 6 | " – " | |
| 22 | P15284 | Plug | 2 | " – " | |
| 23 | P15293 | Plug, Pipe | 1 | " – " | |
| 24 | P15294 | Tube Nut Connector | 16 | " – " | |
| 25 | P19388 | Gasket | 4 | " – " | |
| 26 | P17898 | Brake Tubing, Steel - 1/4" | – | " – " | Obtain Locally |
| 27 | P16160 | Hose, Vacuum | A/R | " – " | |
| 28 | P21371 | Hose, Rubber | A/R | " – " | |
| 29 | P10186 | Hose Clamp | 9 | " – " | 5 Req. - Chrysler |
| 30 | P11578 | Breather | 1 | " – " | |
| 31 | P11580 | Elbow Adapter, Pipe - Hose | 1 | " – " | |
| 32 | P11581 | Adapter, Pipe - Hose | 4 | " – " | 3 Req. - Chrysler |
| 33 | P12506 | Gasket | 5 | " – " | |
| 34 | P20415 | Connector, Inverted Flare | 3 | " – " | |
| 35 | P10120 | Reducer Bushing | 3 | " – " | 2 Req. - Chrysler |
| 36 | P10181 | Reducer Bushing | 1 | " – " | |
| 37 | 18255B | Mounting Bracket, Hydrovac | 1 | " – " | |
| 38 | 18256B | Support Bracket, Hydrovac | 1 | " – " | |
| 39 | 17829C | Vacuum Pump | 1 | " – " | Perkins & Deutz |
| 40 | P20448 | Pulley, Pump | 1 | " – " | Perkins & Deutz |
| 41 | P20457 | Belt, Vacuum Pump | 1 | " – " | Perkins |
| | P20876 | Belt, Vacuum Pump | 1 | " – " | Deutz |
| 42 | P19521 | Hose, Oil - Perkins | 1 | " – " | Perkins |
| | P20877 | Hose, Oil - Deutz | 1 | " – " | Deutz |
| 43 | P18952 | 90° Elbow, JIC - Pipe | 1 | " – " | Perkins |
| | P19060 | 90° Elbow, JIC - Pipe | 1 | " – " | Deutz |
| 44 | P19062 | Connector, JIC - Pipe | 1 | " – " | Perkins & Deutz |

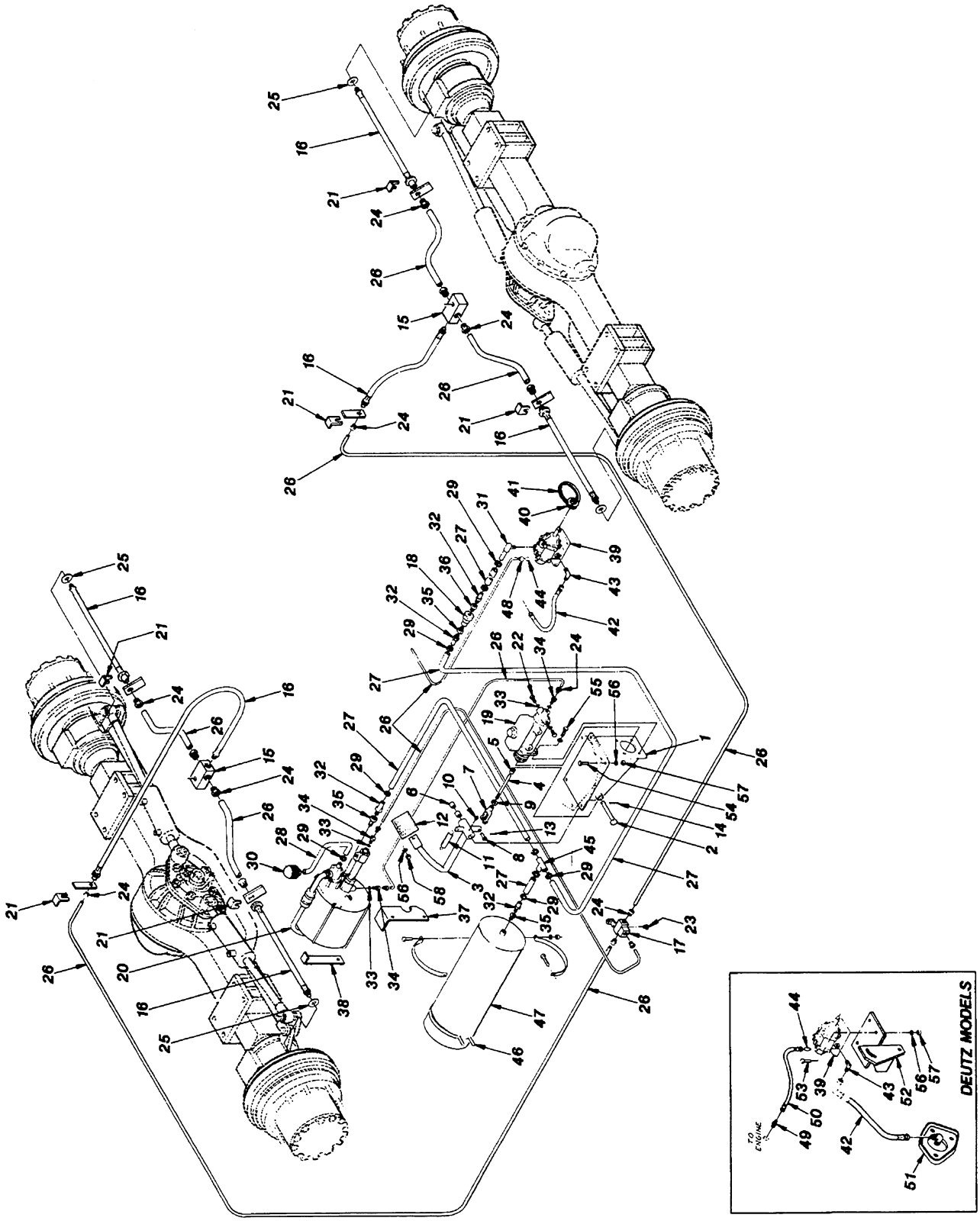



Figure 18361

## 18361 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 45 | P18063 | Tee Adapter, Hose | 1 | " – " | Perkins & Deutz |
| 46 | P18064 | Strap Kit | 2 | " – " | Perkins & Deutz |
| 47 | P18065 | Vacuum Tank | 1 | " – " | Perkins & Deutz |
| 48 | P15310 | Nut, Flare | 1 | " – " | Perkins |
| 49 | P21403 | Connector, Metric - JIC | 1 | " – " | Deutz |
| 50 | P21564 | Hose, Oil | 1 | " – " | Deutz |
| 51 | 17173B | Oil Return Plate | 1 | " – " | Deutz |
| 52 | 18552B | Mounting Bracket, Vacuum Pump | 1 | " – " | Deutz |
| 53 | P00206 | Bolt, Hx., 3/8"-16 x 1 1/2" | 4 | " – " | Deutz |
| 54 | P00202 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 3/4" |
| 55 | P00204 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1" |
| 56 | P01310 | Lockwasher, 3/8" | 9 | " – " | 13 Req. - Deutz |
| 57 | P01508 | Nut, Hx., 3/8"-16 | 4 | " – " | 8 Req. - Deutz |
| 58 | P01531 | Nut, Hx. | 1 | " – " | 3/8"-24 |

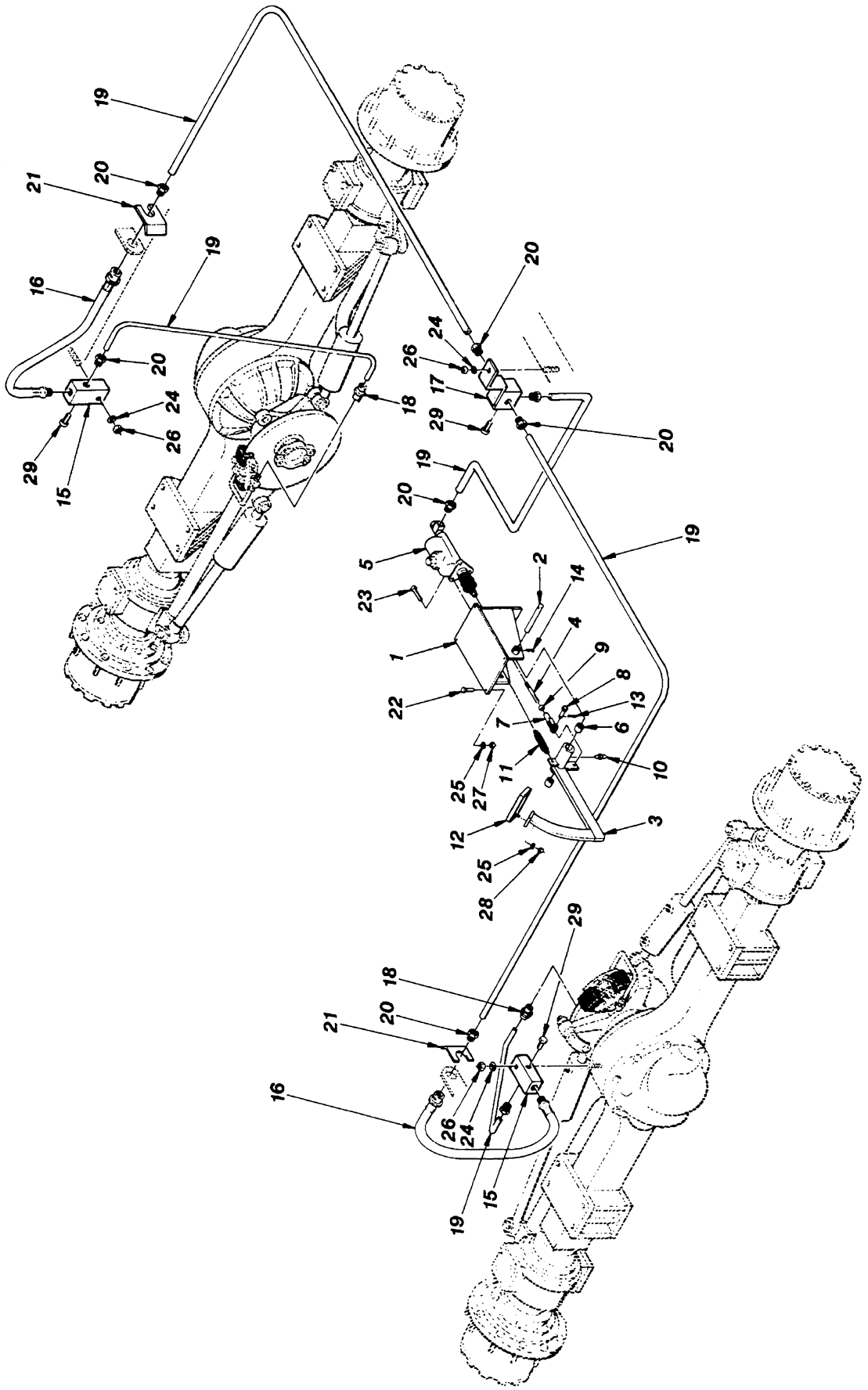



Figure 18361-1

## 18361-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 16729C | Housing, Brake Pedal | 1 | 101 – 468 w/Disc, 469 – 822 | |
| 2 | 17712A | Pin, Pedal Pivot | 1 | " – " | |
| 3 | 17713B | Brake Pedal | 1 | " – " | |
| 4 | 15676A | Link, Push Rod | 1 | " – " | |
| 5 | P20886 | Master Cylinder | 1 | " – " | |
| NI | P20872 | Rebuild Kit, Master Cylinder | – | 101 – 396 | |
| NI | P20900 | Rebulid Kit, Master Cylinder | – | 397 – 822 | |
| 6 | P20391 | Bushing, Pedal | 2 | 101 – 468 w/Disc, 469 – 822 | |
| 7 | P19081 | Clevis | 1 | " – " | |
| 8 | P10053 | Clevis Pin | 1 | " – " | 7/16" x 1 1/4" |
| 9 | P01582 | Jam Nut, Hx. | 1 | " – " | 7/16"-20 |
| 10 | P16611 | Grease Zerk | 1 | " – " | |
| 11 | P10581 | Spring, Pedal | 1 | " – " | |
| 12 | P17733 | Foot Pad, Pedal | 1 | " – " | |
| 13 | P03824 | Cotter Pin | 1 | " – " | 3/32" x 1" |
| 14 | P03865 | Cotter Pin | 1 | " – " | 3/16" x 1 1/2" |
| 15 | P15303 | Junction Block | 2 | " – " | |
| 16 | P11705 | Hose, Brake | 2 | " – " | |
| 17 | P16676 | Tee, Junction | 1 | " – " | |
| 18 | P15310 | Nut, Flare | 2 | " – " | |
| 19 | P17898 | Brake Tubing, Steel - 1/4" | – | " – " | Obtain Locally |
| 20 | P15294 | Tube Nut Connector | 8 | " – " | |
| 21 | P11715 | Horseshoe Clip | 2 | " – " | |
| 22 | P00202 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 3/4" |
| 23 | P00204 | Bolt, Hx. | 3 | " – " | 3/8"-16 x 1" |
| 24 | P01309 | Lockwasher | 3 | " – " | 5/16" |
| 25 | P01310 | Lockwasher | 8 | " – " | 3/8" |
| 26 | P01507 | Nut, Hx. | 3 | " – " | 5/16"-18 |
| 27 | P01508 | Nut, Hx. | 7 | " – " | 3/8"-16 |
| 28 | P01531 | Nut, Hx. | 1 | " – " | 3/8"-24 |
| 29 | P15293 | Plug, Pipe | 3 | " – " | |

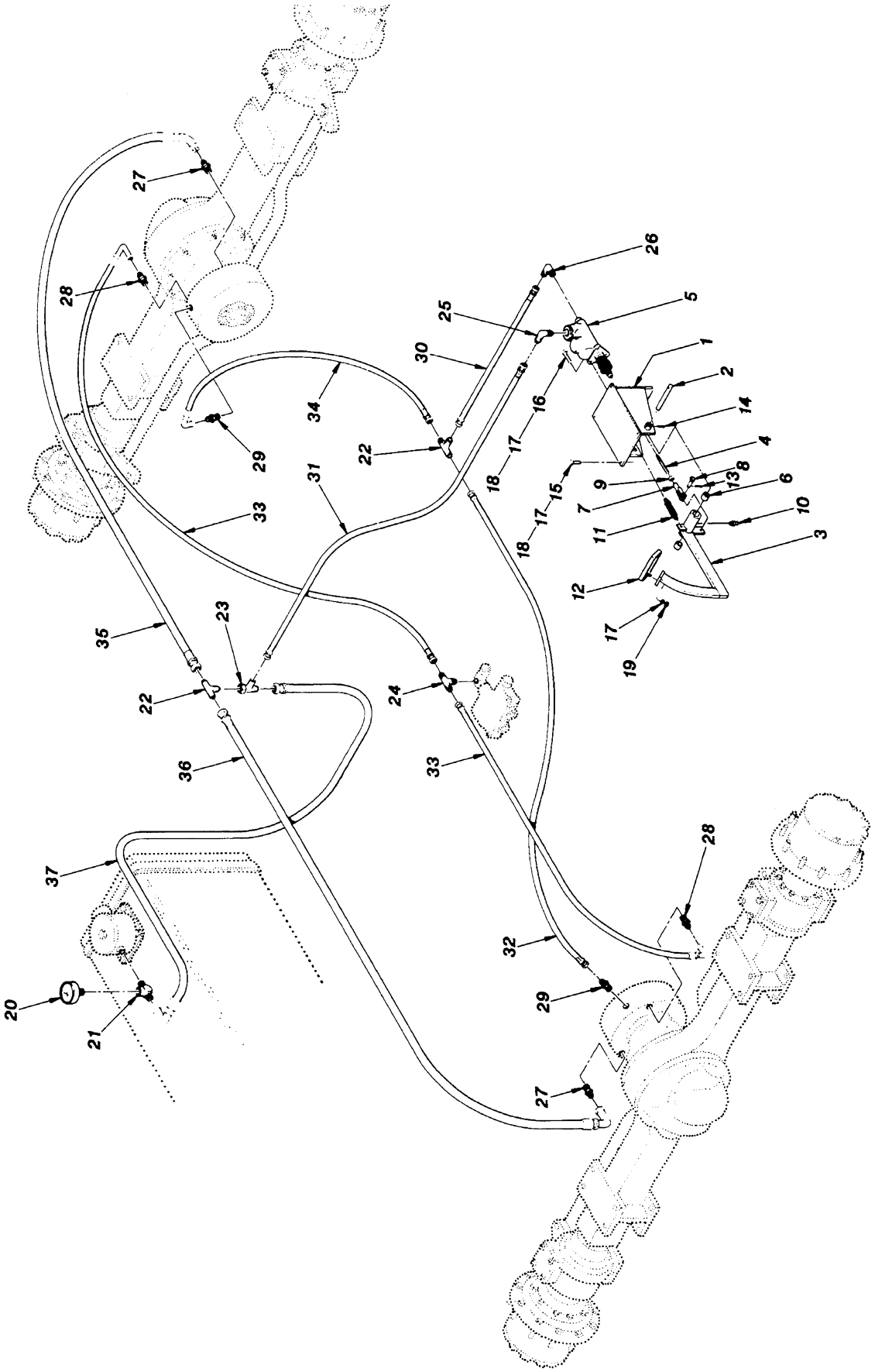



**Figure 18361-2**

## 18361-2

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 21420C | Housing, Brake Pedal | 1 | 823 – 1694 | |
| 2 | 17712A | Pin, Pedal Pivot | 1 | " – " | |
| 3 | 21423B | Brake Pedal | 1 | " – " | |
| 4 | 15676A | Link, Push Rod | 1 | " – " | |
| 5 | P24961 | Master Cylinder | 1 | " – " | |
| NI | P24982 | Rebuild Kit, Master Cylinder | – | " – " | |
| 6 | P20391 | Bushing, Pedal | 2 | " – " | |
| 7 | P19081 | Clevis | 1 | " – " | |
| 8 | P10053 | Clevis Pin | 1 | " – " | 7/16" x 1 1/4" |
| 9 | P01582 | Jam Nut, Hx. | 1 | " – " | 7/16"-20 |
| 10 | P16611 | Grease Zerk | 1 | " – " | |
| 11 | P10581 | Spring, Pedal | 1 | " – " | |
| 12 | P17733 | Foot Pad, Pedal | 1 | " – " | |
| 13 | P03824 | Cotter Pin | 1 | " – " | 3/32" x 1" |
| 14 | P03865 | Cotter Pin | 1 | " – " | 3/16" x 1 1/2" |
| 15 | P00202 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 3/4" |
| 16 | P00204 | Bolt, Hx. | 3 | " – " | 3/8"-16 x 1" |
| 17 | P01310 | Lockwasher | 8 | " – " | 3/8" |
| 18 | P01508 | Nut, Hx. | 7 | " – " | 3/8"-16 |
| 19 | P01531 | Nut, Hx. | 1 | " – " | 3/8"-24 |
| 20 | P24981 | Pressure Gauge | 1 | " – " | |
| 21 | P24613 | Tee, JIC - Pipe | 1 | " – " | |
| 22 | P18942 | Tee, Bulkhead | 2 | " – " | |
| 23 | P19412 | Tee, Swivel | 1 | " – " | |
| 24 | P24611 | Tee, JIC - Pipe Branch | 1 | " – " | |
| 25 | P18945 | 90° Elbow, JIC - Pipe | 1 | " – " | |
| 26 | P19726 | 90° Elbow, JIC - Pipe | 1 | " – " | |
| 27 | P18936 | Connector, O-Ring | 2 | " – " | |
| 28 | P18960 | Connector, O-Ring | 2 | " – " | |
| 29 | P24612 | Connector, O-Ring | 2 | " – " | |
| 30 | P19958 | Hose, Hyd. | 1 | " – " | .25" x 29" |
| 31 | P24630 | Hose, Hyd. | 1 | " – " | .25" x 56" |
| 32 | P24625 | Hose, Hyd. | 1 | " – " | .25" x 72" |
| 33 | P24617 | Hose, Hyd. | 2 | " – " | .25" x 70" |
| 34 | P24618 | Hose, Hyd. | 1 | " – " | .25" x 70" |
| 35 | P24619 | Hose, Hyd. | 1 | " – " | .38" x 62" |
| 36 | P24620 | Hose, Hyd. | 1 | " – " | .38" x 78" |
| 37 | P24624 | Hose, Hyd. | 1 | " – " | .38" x 81" |

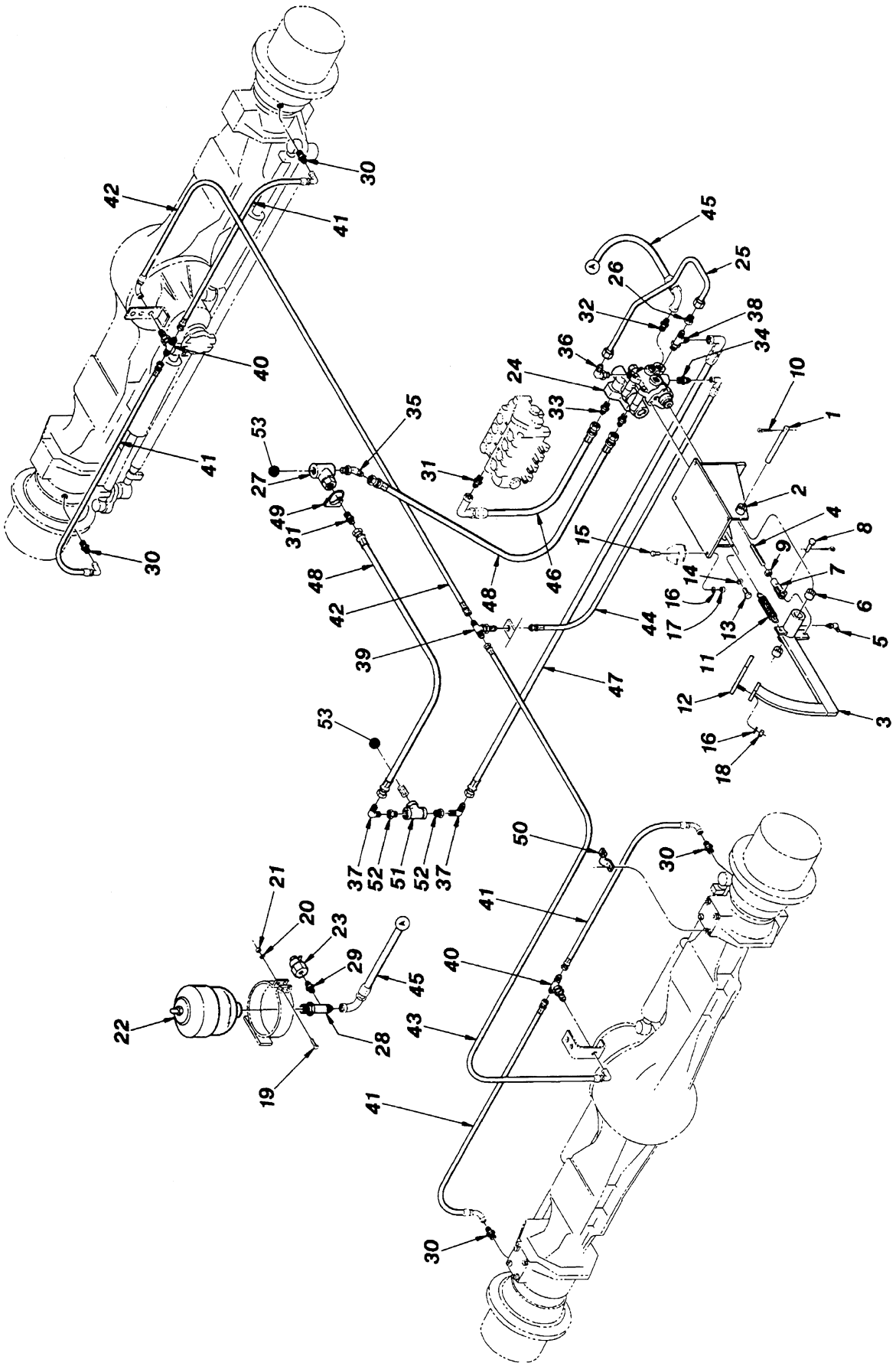



Figure 18361-3

## 18361-3 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 17712A | Pin, Pedal Pivot | 1 | 1695–2157 | |
| 2 | 20829C | Housing, Brake Pedal | 1 | "–" | |
| 3 | 20830B | Brake Pedal | 1 | "–" | |
| 4 | 20834A | Link, Push Rod | 1 | "–" | |
| 5 | P15367 | Grease Zerk, 45° | 1 | "–" | |
| 6 | P20391 | Bushing, Pedal | 2 | "–" | |
| 7 | P19081 | Clevis | 1 | "–" | |
| 8 | P10053 | Clevis Pin | 1 | "–" | 7/16" x 1 1/4" |
| 9 | P01582 | Jam Nut, Hx. | 1 | "–" | 7/16"-20 |
| 10 | P03865 | Cotter Pin | 2 | "–" | 3/16" x 1 1/2" |
| 11 | P10581 | Spring, Pedal | 1 | "–" | |
| 12 | P17733 | Foot Pad, Brake Pedal | 1 | "–" | |
| 13 | P00352 | Bolt, Hx. | 3 | "–" | 7/16"-20 x 1" |
| 14 | P01360 | Starwasher | 3 | "–" | 7/16" - External |
| 15 | P00202 | Bolt, Hx. | 4 | "–" | 3/8"-16 x 3/4" |
| 16 | P01310 | Lockwasher | 5 | "–" | 3/8" |
| 17 | P01508 | Nut, Hx. | 4 | "–" | 3/8"-16 |
| 18 | P01531 | Nut, Hx. | 1 | "–" | 3/8"-24 |
| 19 | P00007 | Bolt, Hx. | 2 | "–" | 1/4"-20 x 1 1/2" |
| 20 | P01308 | Lockwasher | 2 | "–" | 1/4" |
| 21 | P01506 | Nut, Hx. | 2 | "–" | 1/4"-20 |
| 22 | 26014C-1 | Accumulator Repair Kit | 1 | "–" | Replaces P26017. |
| 23 | P27308 | Pressure Switch | 1 | "–" | |
| 24 | P27608 | Valve, Power Brake | 1 | 1951–1958, 1964, 2026–2157 | |
| | P25305B | Valve, Power Brake | 1 | 1695–1950, 1959–1963, 1965–2025 | |
| NI | P27977 | Repair Kit, Power Brake Valve | – | For Model #06-460-886 | |
| NI | P26338 | Repair Kit, Power Brake Valve | – | For Model #06-460-890 | |
| NI | P27976 | Repair Kit, Power Brake Valve | – | For Model #06-460-894 | |
| 25 | P27450 | Tube, Valve | 1 | 1695–2157 | |
| 26 | P24650 | Reducer, Swivel | 1 | "–" | |
| 27 | P26016 | Tee Relief Valve | 1 | "–" | |
| 28 | 24794A | Connector, Special | 1 | "–" | |
| 29 | P27355 | Connector, Nipple | 1 | "–" | |
| 30 | P24991 | Connector, Special | 1 | "–" | |
| 31 | P17805 | Connector, O-Ring | 2 | "–" | |
| 32 | P18997 | Connector, O-Ring | 1 | "–" | |
| 33 | P19765 | Connector, O-Ring | 2 | "–" | |
| 34 | P21906 | Connector, O-Ring | 1 | "–" | |
| 35 | P19147 | 45° Elbow, O-Ring | 1 | "–" | |
| 36 | P18935 | 90° Elbow, O-Ring | 1 | "–" | |
| 37 | P17808 | 90° Elbow, JIC - Pipe | 2 | "–" | |
| 38 | P26603 | Tee, O-Ring | 1 | "–" | |
| 39 | P18942 | Tee, Bulkhead | 1 | "–" | |
| 40 | P26099 | Tee, Bulkhead | 2 | "–" | |

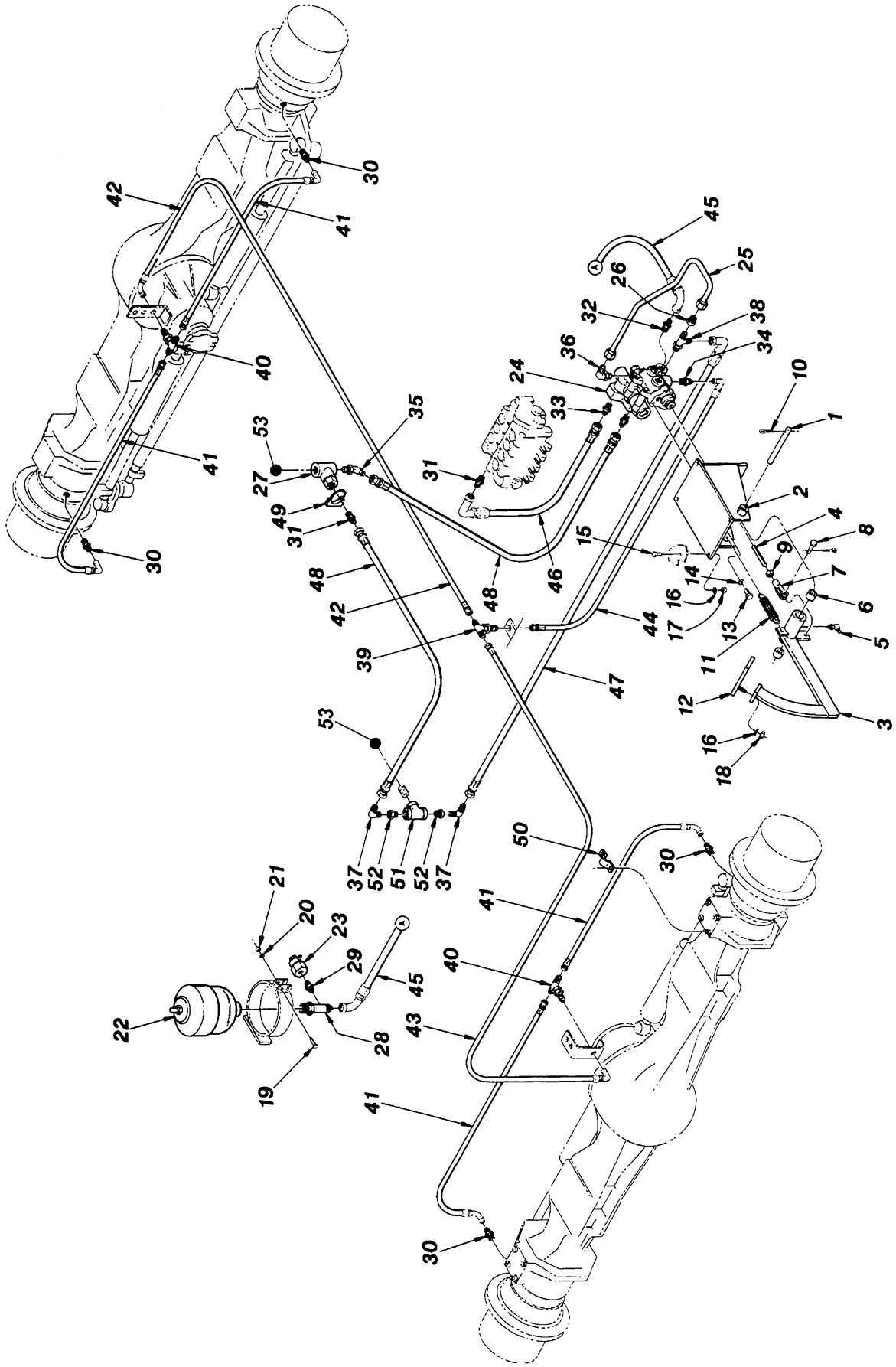



**Figure 18361-3**

## 18361-3 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 41 | P26617 | Hose, Hyd. | 4 | "–" | .25" x 45" |
| 42 | P24682 | Hose, Hyd. | 1 | "–" | .25" x 58" |
| 43 | P26123 | Hose, Hyd. | 1 | "–" | .25" x 74" |
| 44 | P18095 | Hose, Hyd. | 1 | "–" | .38" x 32" |
| 45 | P27408 | Hose, Hyd. | 1 | "–" | .50" x 94" |
| 46 | P26615 | Hose, Hyd. | 1 | "–" | .75" x 28" |
| 47 | P26612 | Hose, Hyd. | 1 | "–" | .75" x 39" |
| 48 | P26611 | Hose, Hyd. | 2 | "–" | .75" x 43" |
| 49 | P13605 | Clamp | 1 | "–" | |
| 50 | P26480 | Clamp, Hose | 4 | "–" | |
| 51 | P10173 | Tee, Pipe | 1 | "–" | |
| 52 | P10180 | Reducer Bushing | 2 | "–" | |
| 53 | See Page 5-14 | Lower Hydraulics Assembly | – | | |

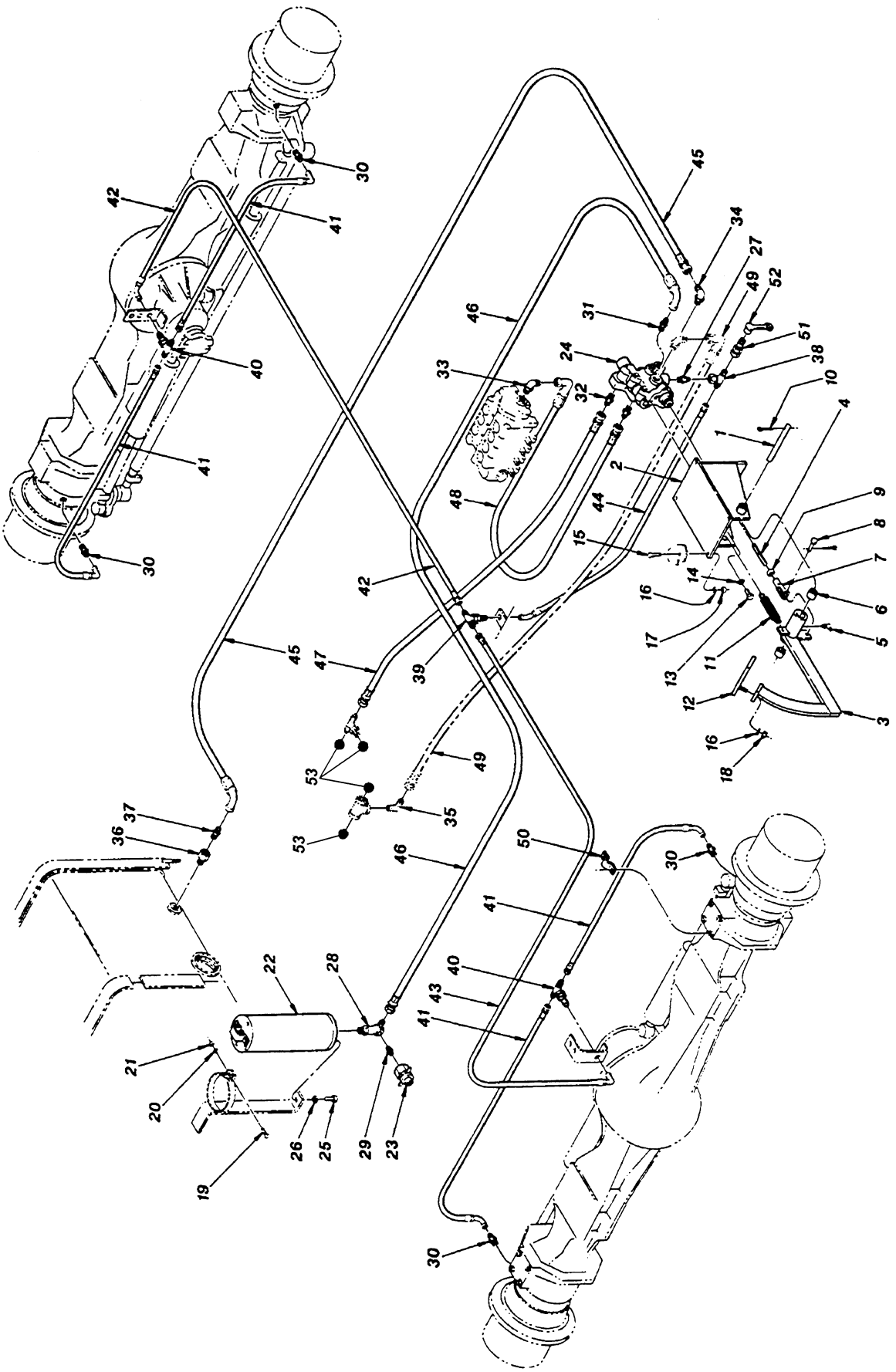



Figure 18361-4

## 18361-4 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 17712A | Pin, Pedal Pivot | 1 | 2158 – | |
| 2 | 20829C | Housing, Brake Pedal | 1 | " – " | |
| 3 | 20830B | Brake Pedal | 1 | " – " | |
| 4 | 20834A | Link, Push Rod | 1 | " – " | |
| 5 | P15367 | Grease Zerk, 45° | 1 | " – " | |
| 6 | P20391 | Bushing, Pedal | 2 | " – " | |
| 7 | P19081 | Clevis | 1 | " – " | |
| 8 | P10053 | Clevis Pin | 1 | " – " | 7/16" x 1 1/4" |
| 9 | P01582 | Jam Nut, Hx. | 1 | " – " | 7/16"-20 |
| 10 | P03865 | Cotter Pin | 2 | " – " | 3/16" x 1 1/2" |
| 11 | P10581 | Spring, Pedal | 1 | " – " | |
| 12 | P17733 | Foot Pad, Brake Pedal | 1 | " – " | |
| 13 | P00352 | Bolt, Hx. | 3 | " – " | 7/16" x 1" |
| 14 | P01360 | Starwasher | 3 | " – " | 7/16" - External |
| 15 | P00202 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 3/4" |
| 16 | P01310 | Lockwasher | 5 | " – " | 3/8" |
| 17 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 18 | P01531 | Nut, Hx. | 1 | " – " | 3/8"-24 |
| 19 | P00005 | Bolt, Hx. | 1 | " – " | 1/4"-20 x 1" |
| 20 | P01308 | Lockwasher | 1 | " – " | 1/4" |
| 21 | P01506 | Nut, Hx. | 1 | " – " | 1/4"-20 |
| 22 | P27830 | Accumulator | 1 | " – " | |
| NI | P29122 | Seal Kit, Accumulator | – | " – " | |
| 23 | P27308 | Pressure Switch | 1 | " – " | |
| 24 | P26018 | Valve, Power Brake | 1 | " – " | |
| NI | P27976 | Repair Kit, Power Brake Valve | – | " – " | |
| 25 | P00400 | Bolt, Hx. | 1 | " – " | 1/2"-20 x 3/4" |
| 26 | P01312 | Lockwasher | 1 | " – " | 1/2" |
| 27 | P21906 | Connector, O-Ring | 1 | " – " | |
| 28 | 26002A | 90° Elbow, Special | 1 | " – " | |
| 29 | P27355 | Connector, Nipple | 1 | " – " | |
| 30 | P24991 | Connector, Special | REF | " – " | |
| 31 | P18997 | Connector, O-Ring | 1 | " – " | |
| 32 | P19765 | Connector, O-Ring | 2 | " – " | |
| 33 | P19055 | 90° Elbow, O-Ring | 1 | " – " | |
| 34 | P19810 | 90° Elbow, O-Ring | 1 | 2425 – | |
| | P19810 | 90° Elbow, O-Ring | 1 | 2158 – 2424 | |
| 35 | P21902 | 90° Elbow, JIC - Pipe | 1 | 2158 – 2424 | |
| 36 | P28391 | Adapter | 1 | 2158 – | |
| 37 | P23848 | Valve, Check | 1 | " – " | |
| 38 | P19845 | Tee, Swivel | 1 | " – " | |
| 39 | P18942 | Tee, Bulkhead | 1 | " – " | |
| 40 | P26099 | Tee, Bulkhead | 2 | " – " | |
| 41 | P26617 | Hose, Hyd. | 4 | " – " | .25" x 45" |
| 42 | P24682 | Hose, Hyd. | 1 | " – " | .25" x 58" |
| 43 | P29171 | Hose, Hyd. | 1 | " – " | .25" x 71" |
| 44 | P27692 | Hose, Hyd. | 1 | " – " | .38" x 28" |
| 45 | P21573 | Hose, Hyd. | 1 | " – " | .50" x 70" |
| 46 | P27740 | Hose, Hyd. | 1 | " – " | .50" x 94" |

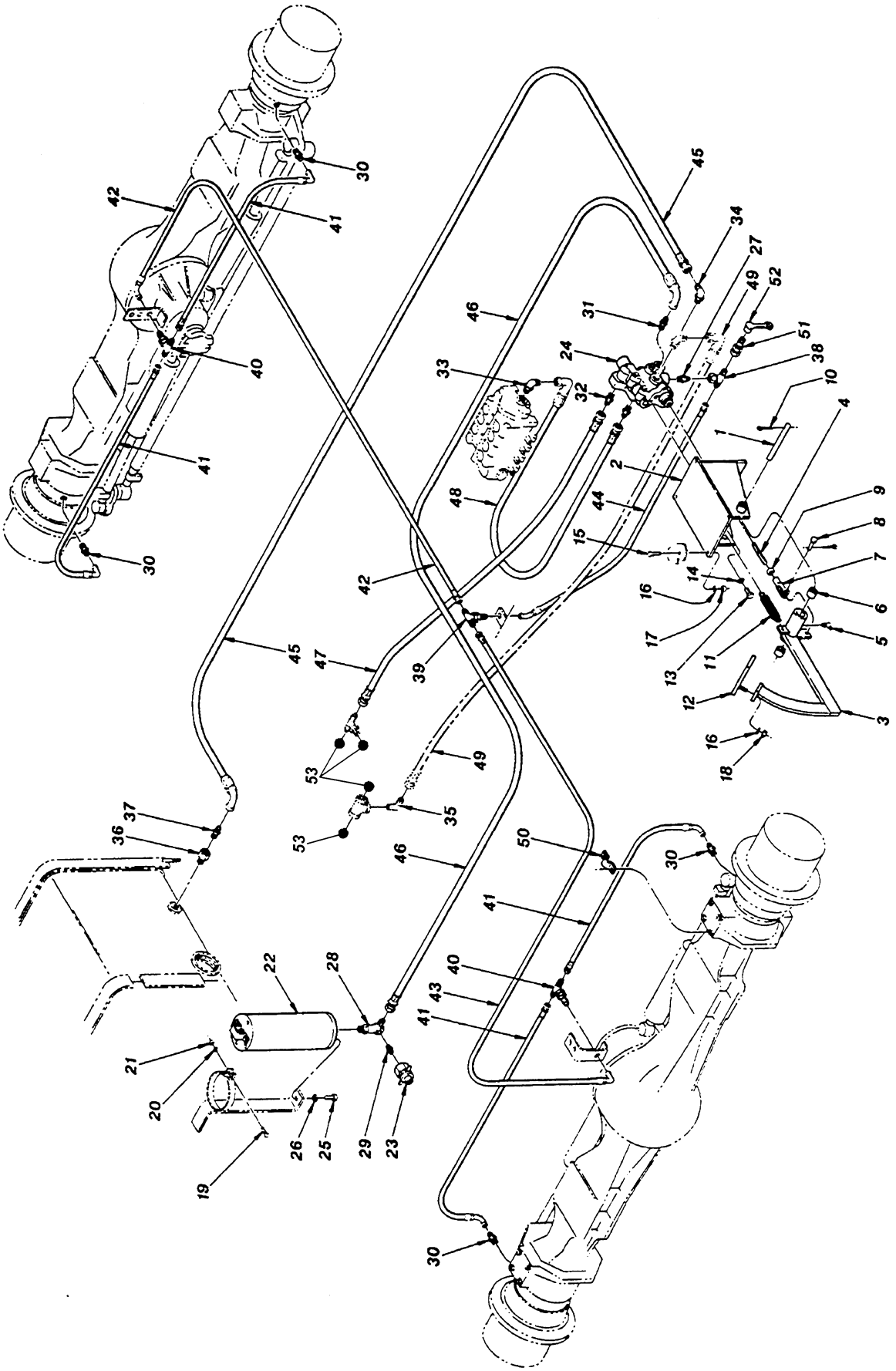



Figure 18361-4

## 18361-4 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 47 | P28602 | Hose, Hyd. | 1 | " – " | .62" x 23" |
| 48 | P28623 | Hose, Hyd. | 1 | " – " | .62" x 45" |
| 49 | P28624 | Hose, Hyd. | 1 | 2158 – 2424 | .62" x 38" |
| 50 | P26840 | Clamp, Hose | 4 | 2158 – | |
| 51 | P27379 | Nipple, Pressure Check | 1 | 2158 – | |
| 52 | P27805 | Dust Cap | 1 | 2158 – | |
| 53 | See Page 5-24 | Lower Hydraulics Assembly | – | | |

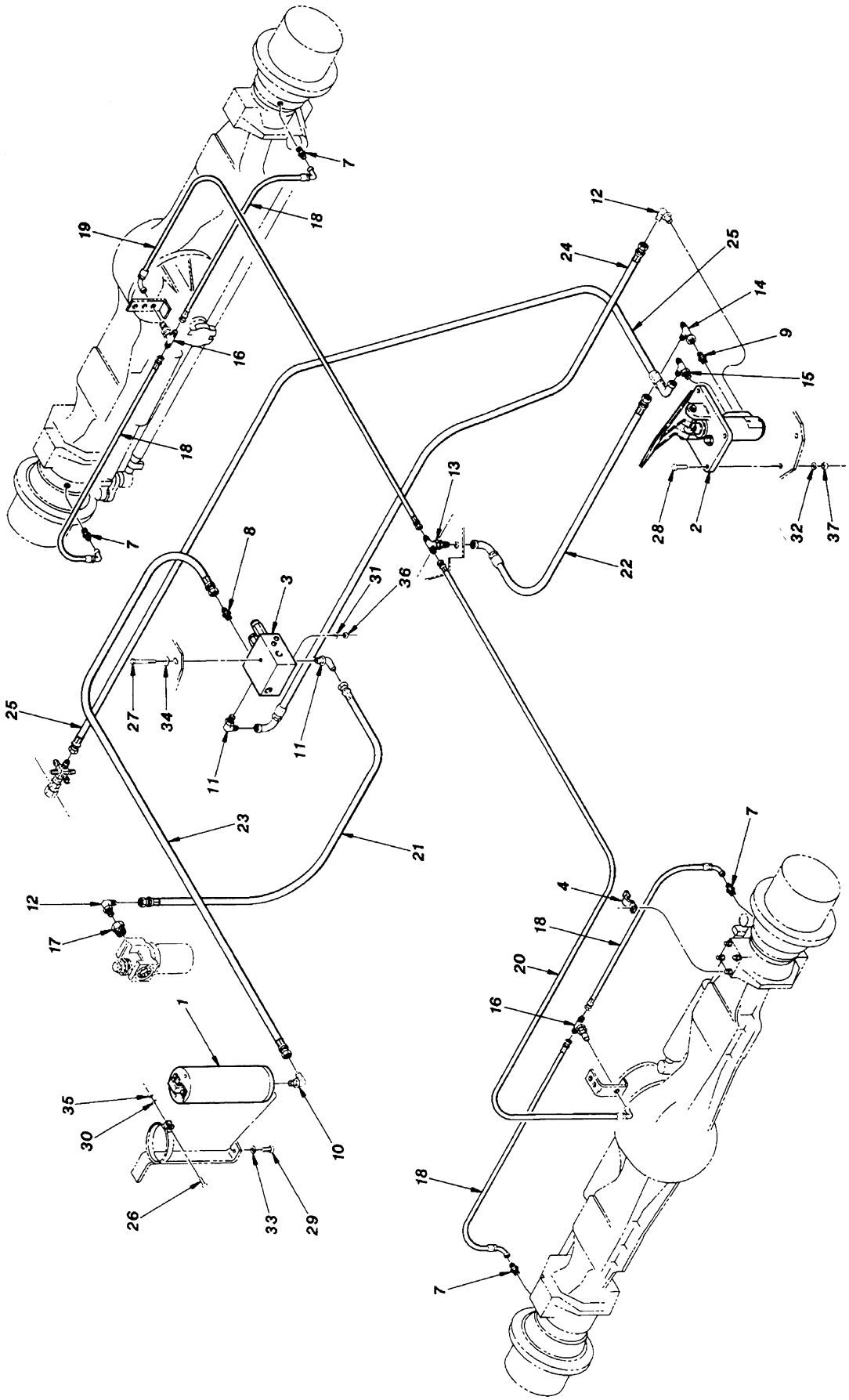



Figure 18361-5

## 18361-5

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P27830 | Accumulator | 1 | 2784 – | |
| NI | P29122 | Seal Kit, Accumulator | – | " – " | |
| 2 | P28487 | Brake Valve | 1 | " – " | |
| NI | P29920 | Repair Kit, Brake Valve | – | " – " | |
| 3 | P29136 | Brake Porting Block | 1 | " – " | |
| 4 | P26480 | Clamp, Hyd. Hose | 4 | " – " | |
| 7 | P24991 | Connector, Special | 1 | " – " | |
| 8 | P18936 | Connector, O-Ring | 1 | " – " | |
| 9 | P19415 | Connector, O-Ring | 1 | " – " | |
| 10 | P27392 | 90° Elbow, O-Ring | 1 | " – " | |
| 11 | P18935 | 90° Elbow, O-Ring | 2 | " – " | |
| 12 | P18956 | 90° Elbow, O-Ring | 2 | " – " | |
| 13 | P18942 | Tee, Bulkhead | 1 | " – " | |
| 14 | P19412 | Tee, Swivel | 1 | " – " | |
| 15 | P21219 | Tee, O-Ring | 1 | " – " | |
| 16 | P26099 | Tee, Bulkhead | 2 | " – " | |
| 17 | P28382 | Reducer, O-Ring to O-Ring | 1 | " – " | |
| 18 | P26617 | Hose, Hyd. | 4 | " – " | .25" x 46" |
| 19 | P24682 | Hose, Hyd. | 1 | " – " | .25" x 58" |
| 20 | P29772 | Hose, Hyd. | 1 | " – " | .25" x 67" |
| 21 | P25885 | Hose, Hyd. | 1 | " – " | .38" x 22" |
| 22 | P18095 | Hose, Hyd. | 1 | " – " | .38" x 32" |
| 23 | P23860 | Hose, Hyd. | 1 | " – " | .38" x 45" |
| 24 | P29769 | Hose, Hyd. | 1 | " – " | .38" x 45" |
| 25 | P29770 | Hose, Hyd. | 1 | " – " | .38" x 58" |
| 26 | P00006 | Bolt, Hx. | 1 | " – " | 1/4"-20 x 1 1/4" |
| 27 | P00111 | Bolt, Hx. | 1 | " – " | 5/16"-18 x 2 3/4" |
| 28 | P00204 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1" |
| 29 | P00400 | Bolt, Hx. | 1 | " – " | 1/2"-13 x 3/4" |
| 30 | P01308 | Lockwasher | 1 | " – " | 1/4" |
| 31 | P01309 | Lockwasher | 1 | " – " | 5/16" |
| 32 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 33 | P01312 | Lockwasher | 1 | " – " | 1/2" |
| 34 | P01403 | Flatwasher | 1 | " – " | 5/16" |
| 35 | P01506 | Nut, Hx. | 1 | " – " | 1/4"-20 |
| 36 | P01507 | Nut, Hx. | 1 | " – " | 5/16"-18 |
| 37 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |

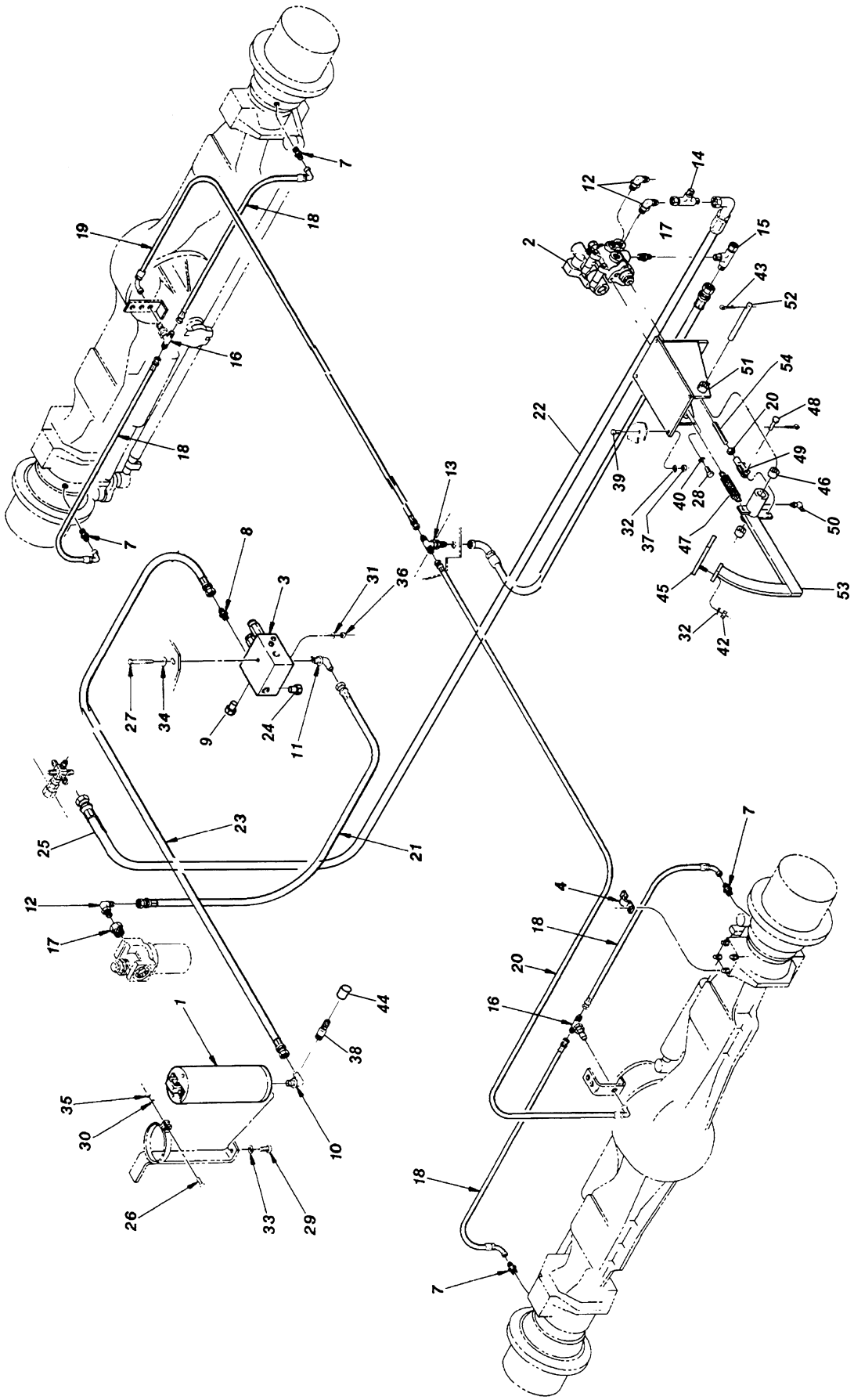



Figure 18361-6

## 18361-6 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P27830 | Accumulator | 1 | ..... | |
| NI | P29122 | Seal Kit, Accumulator | – | ..... | |
| 2 | 24252A | Brake Valve | 1 | ..... | |
| NI | P29920 | Repair Kit, Brake Valve | – | ..... | |
| 3 | P29136 | Brake Porting Block | 1 | ..... | |
| 4 | P26480 | Clamp, Hyd. Hose | 4 | ..... | |
| 7 | P24991 | Connector, Special | 1 | ..... | |
| 8 | P18936 | Connector, O-Ring | 1 | ..... | |
| 9 | P25691 | Plug | 1 | ..... | |
| 10 | P26002A | 90° Elbow, O-Ring | 1 | ..... | |
| 11 | P18958 | Tee, O-Ring | 2 | ..... | |
| 12 | P19810 | 90° Elbow, O-Ring | 3 | ..... | |
| 13 | P40186 | Tee, Bulkhead | 1 | ..... | |
| 14 | P20979 | Tee, Swivel | 1 | ..... | |
| 15 | P19845 | Tee, O-Ring | 1 | ..... | |
| 16 | P26099 | Tee, Bulkhead | 2 | ..... | |
| 17 | P21906 | Adapter, O-Ring to JIC | 1 | ..... | |
| 18 | P26617 | Hose, Hyd. | 4 | ..... | .25" x 46" |
| 19 | P24682 | Hose, Hyd. | 1 | ..... | .25" x 58" |
| 20 | P29772 | Hose, Hyd. | 1 | ..... | .25" x 67" |
| 21 | P25885 | Hose, Hyd. | 1 | ..... | .38" x 22" |
| 22 | P27674 | Hose, Hyd. | 1 | ..... | |
| 23 | P23860 | Hose, Hyd. | 1 | ..... | .38" x 45" |
| 24 | P27386 | Plug | 1 | ..... | |
| 25 | P29770 | Hose, Hyd. | 1 | ..... | .38" x 58" |
| 26 | P00006 | Bolt, Hx. | 1 | ..... | 1/4"-20 x 1 1/4" |
| 27 | P00111 | Bolt, Hx. | 1 | ..... | 5/16"-18 x 2 3/4" |
| 28 | P00204 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1" |
| 29 | P00352 | Bolt, Hx. | 3 | ..... | 7/16"-20 x 1" |
| 30 | P01308 | Lockwasher | 1 | ..... | 1/4" |
| 31 | P01309 | Lockwasher | 1 | ..... | 5/16" |
| 32 | P01310 | Lockwasher | 5 | ..... | 3/8" |
| 33 | P01312 | Lockwasher | 1 | ..... | 1/2" |
| 34 | P01403 | Flatwasher | 1 | ..... | 5/16" |
| 35 | P01506 | Nut, Hx. | 1 | ..... | 1/4"-20 |
| 36 | P01507 | Nut, Hx. | 1 | ..... | 5/16"-18 |
| 37 | P01508 | Nut, Hx. | 4 | ..... | 3/8"-16 |
| 38 | P27355 | Adapter, Pipe | 1 | ..... | |
| 39 | P00202 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 3/4" |
| 40 | P01360 | Starwasher | 3 | ..... | 7/16" |
| 41 | P01582 | Jam Nut | 1 | ..... | 7/16"-20 |
| 42 | P01531 | Nut, Hx. | 1 | ..... | 3/4"-24 |
| 43 | P03865 | Pin, Cotter | 1 | ..... | 3/16" x 1 1/2" |
| 44 | P27308 | Switch, Pressure | 1 | ..... | |
| 45 | P17733 | Pad, Foot | 1 | ..... | |

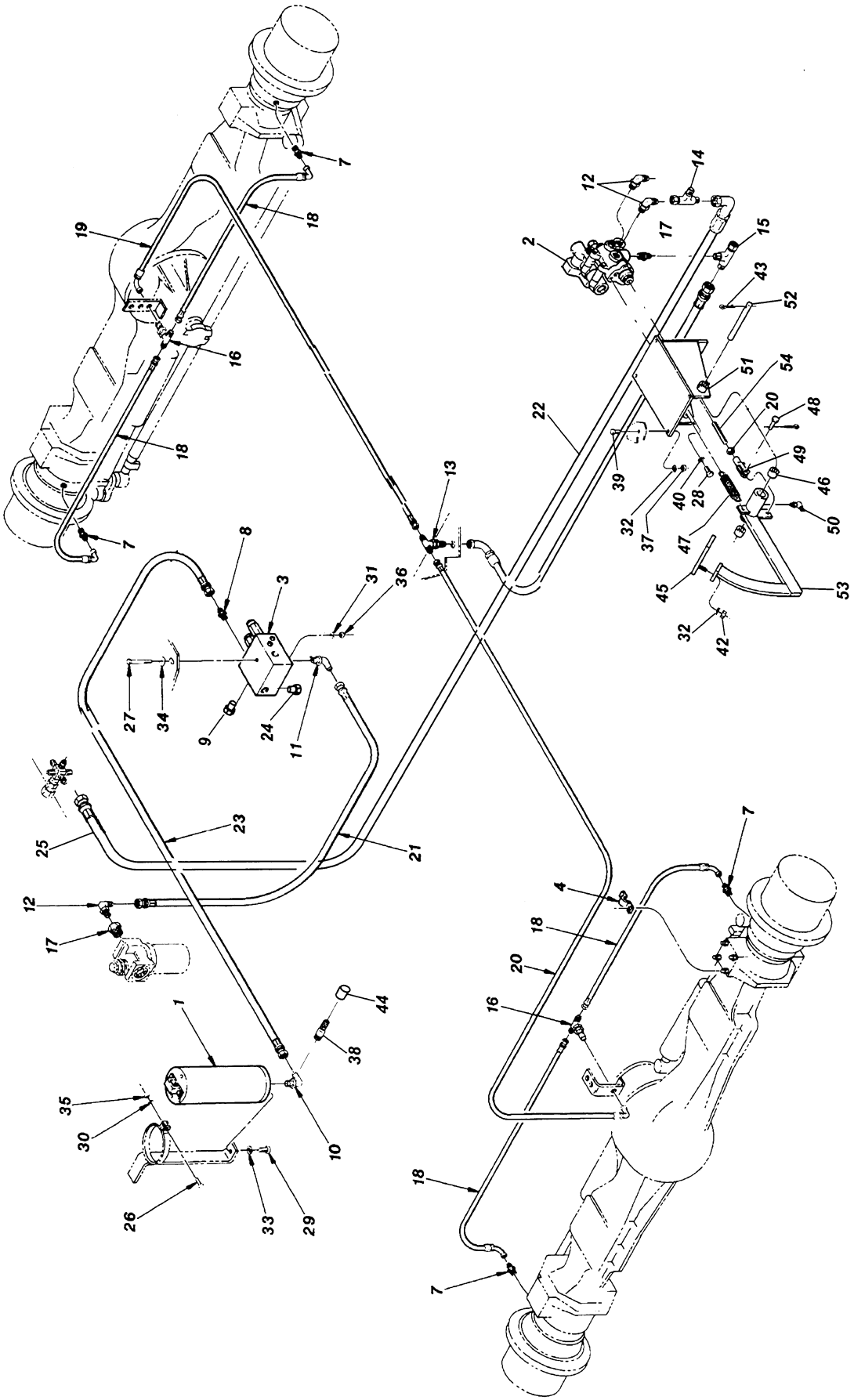



**Figure 18361-6**

## 18361-6 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 46 | P20391 | Bushing | 2 | ..... | |
| 47 | P10581 | Spring | 1 | ..... | |
| 48 | P10053 | Pin, Clevis | 1 | ..... | |
| 49 | P19081 | Clevis | 1 | ..... | |
| 50 | P15367 | Grease Zerk | 1 | ..... | |
| 51 | 20829C | Support, Brake Pedal | 1 | ..... | |
| 52 | 17712A | Pin, Pivot | 1 | ..... | |
| 53 | 24428C | Pedal, Brake | 1 | ..... | |
| 54 | 20834A | Link, Push Rod | 1 | ..... | |

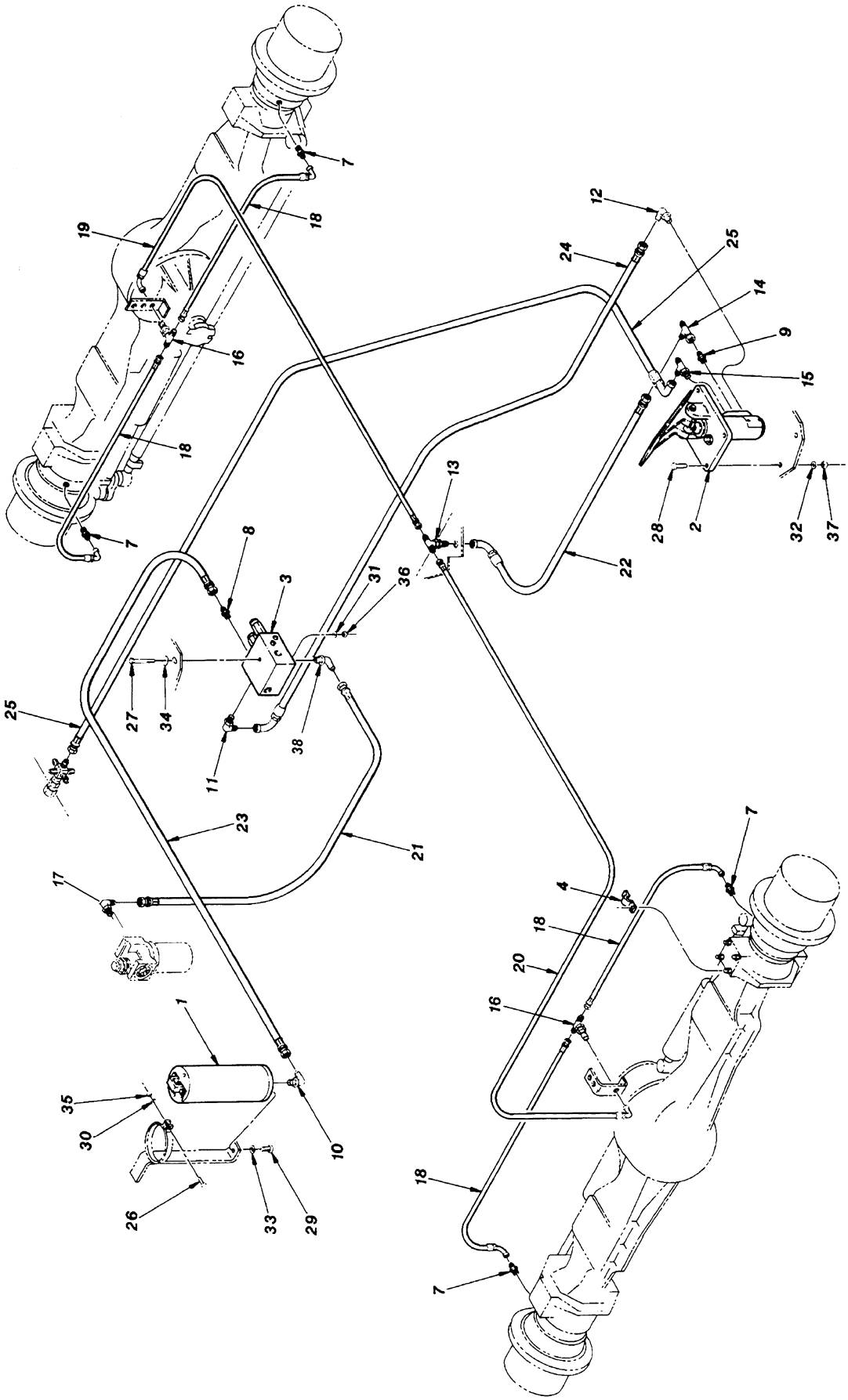



**Figure 18361-7**

## 18361-7

| ITEM | PART NO. | DESCRIPTION | QTY | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P27830 | Accumulator | 1 | 4005 – | |
| NI | P29122 | Seal Kit, Accumulator | – | " – " | |
| 2 | P28487 | Brake Valve | 1 | " – " | |
| NI | P29920 | Repair Kit, Brake Valve | – | " – " | |
| 3 | P29136 | Brake Porting Block | 1 | " – " | |
| 4 | P26480 | Clamp, Hyd. Hose | 4 | " – " | |
| 7 | P24991 | Connector, Special | 1 | " – " | |
| 8 | P18936 | Connector, O-Ring | 1 | " – " | |
| 9 | P19415 | Connector, O-Ring | 1 | " – " | |
| 10 | P27392 | 90° Elbow, O-Ring | 1 | " – " | |
| 11 | P18935 | 90° Elbow, O-Ring | 1 | " – " | |
| 12 | P18956 | 90° Elbow, O-Ring | 1 | " – " | |
| 13 | P40186 | Tee, Bulkhead, 4-way | 1 | " – " | |
| 14 | P19412 | Tee, Swivel | 1 | " – " | |
| 15 | P21219 | Tee, O-Ring | 1 | " – " | |
| 16 | P26099 | Tee, Bulkhead | 2 | " – " | |
| 17 | P19810 | 90° Elbow, O-Ring | 1 | " – " | |
| 18 | P26617 | Hose, Hyd. | 4 | " – " | .25" x 46" |
| 19 | P24682 | Hose, Hyd. | 1 | " – " | .25" x 58" |
| 20 | P29772 | Hose, Hyd. | 1 | " – " | .25" x 67" |
| 21 | P25885 | Hose, Hyd. | 1 | " – " | .38" x 22" |
| 22 | P24641 | Hose, Hyd. | 1 | " – " | .38" x 36" |
| 23 | P23860 | Hose, Hyd. | 1 | " – " | .38" x 45" |
| 24 | P29769 | Hose, Hyd. | 1 | " – " | .38" x 45" |
| 25 | P29770 | Hose, Hyd. | 1 | " – " | .38" x 58" |
| 26 | P00006 | Bolt, Hx. | 1 | " – " | 1/4"-20 x 1 1/4" |
| 27 | P00111 | Bolt, Hx. | 1 | " – " | 5/16"-18 x 2 3/4" |
| 28 | P00204 | Bolt, Hx. | 4 | " – " | 3/8"-16 x 1" |
| 29 | P00400 | Bolt, Hx. | 1 | " – " | 1/2"-13 x 3/4" |
| 30 | P01308 | Lockwasher | 1 | " – " | 1/4" |
| 31 | P01309 | Lockwasher | 1 | " – " | 5/16" |
| 32 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 33 | P01312 | Lockwasher | 1 | " – " | 1/2" |
| 34 | P01403 | Flatwasher | 1 | " – " | 5/16" |
| 35 | P01506 | Nut, Hx. | 1 | " – " | 1/4"-20 |
| 36 | P01507 | Nut, Hx. | 1 | " – " | 5/16"-18 |
| 37 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 38 | P21914 | Tee, O-Ring to JIC | 1 | " – " | |

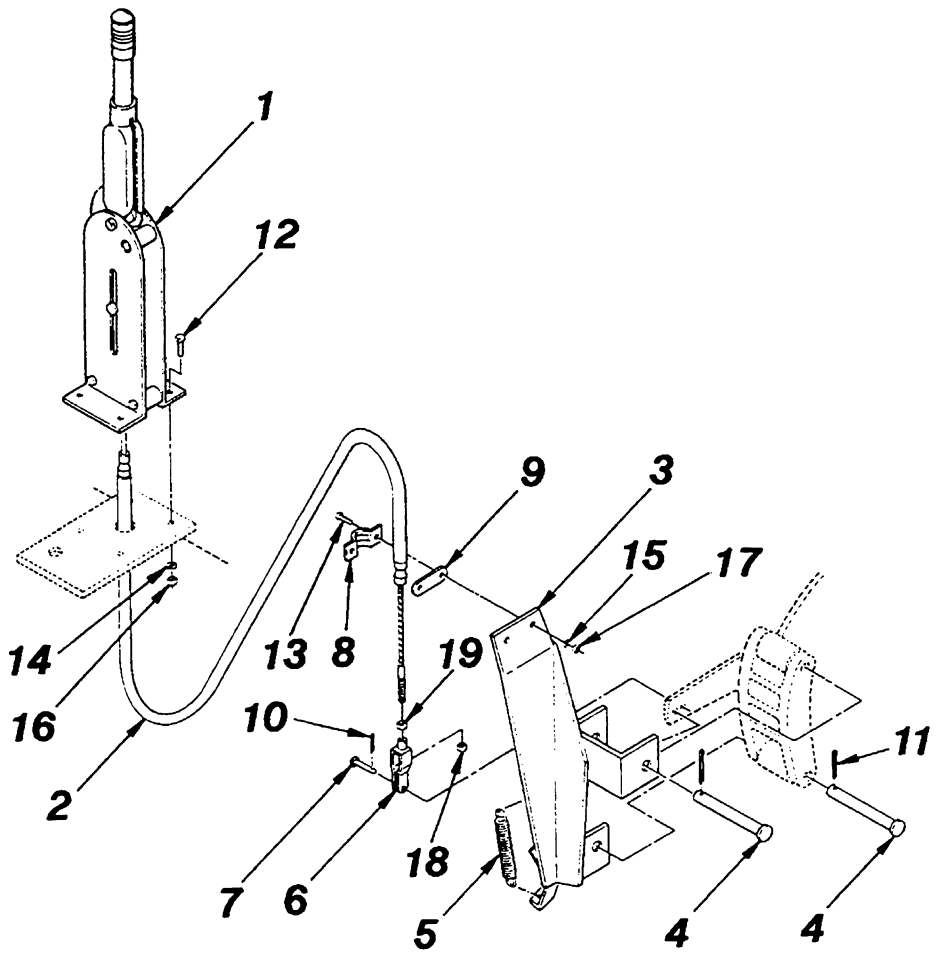



**Figure 18394-1**

## 18394-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P28457 | Hand Brake | 1 | 101 – 468 w/Disc, 469 – 822 | Includes Switch |
| NI | 26314C | Parking Brake Buzzer/Light Kit | – | " – " | |
| 2 | P18127 | Cable, Hand Brake | 1 | " – " | |
| 3 | 16609D | Anchor Bracket, Cable | 1 | " – " | |
| 4 | 16614A | Pin, Anchor | 2 | " – " | |
| 5 | P10581 | Spring | 1 | " – " | |
| 6 | P17594 | Clevis | 1 | " – " | |
| 7 | P15392 | Clevis Pin | 1 | " – " | |
| 8 | P17595 | Clamp, Cable | 1 | " – " | |
| 9 | P19596 | Shim, Clamp | 1 | " – " | |
| 10 | P03824 | Cotter Pin | 1 | " – " | 3/32" x 1" |
| 11 | P03865 | Cotter Pin | 2 | " – " | 3/16" x 1 1/2" |
| 12 | P00104 | Bolt, Hx. | 4 | " – " | 5/16"-18 x 1" |
| 13 | P00205 | Bolt, Hx. | 2 | " – " | 3/8"-16 x 1 1/4" |
| 14 | P01309 | Lockwasher | 4 | " – " | 5/16" |
| 15 | P01310 | Lockwasher, | 2 | " – " | 3/8" |
| 16 | P01507 | Nut, Hx. | 4 | " – " | 5/16"-18 |
| 17 | P01508 | Nut, Hx. | 2 | " – " | 3/8"-16 |
| 18 | P01531 | Nut, Hx. | 1 | " – " | 3/8"-24 |
| 19 | P01581 | Jam Nut, Hx. | 1 | " – " | 3/8"-24 |

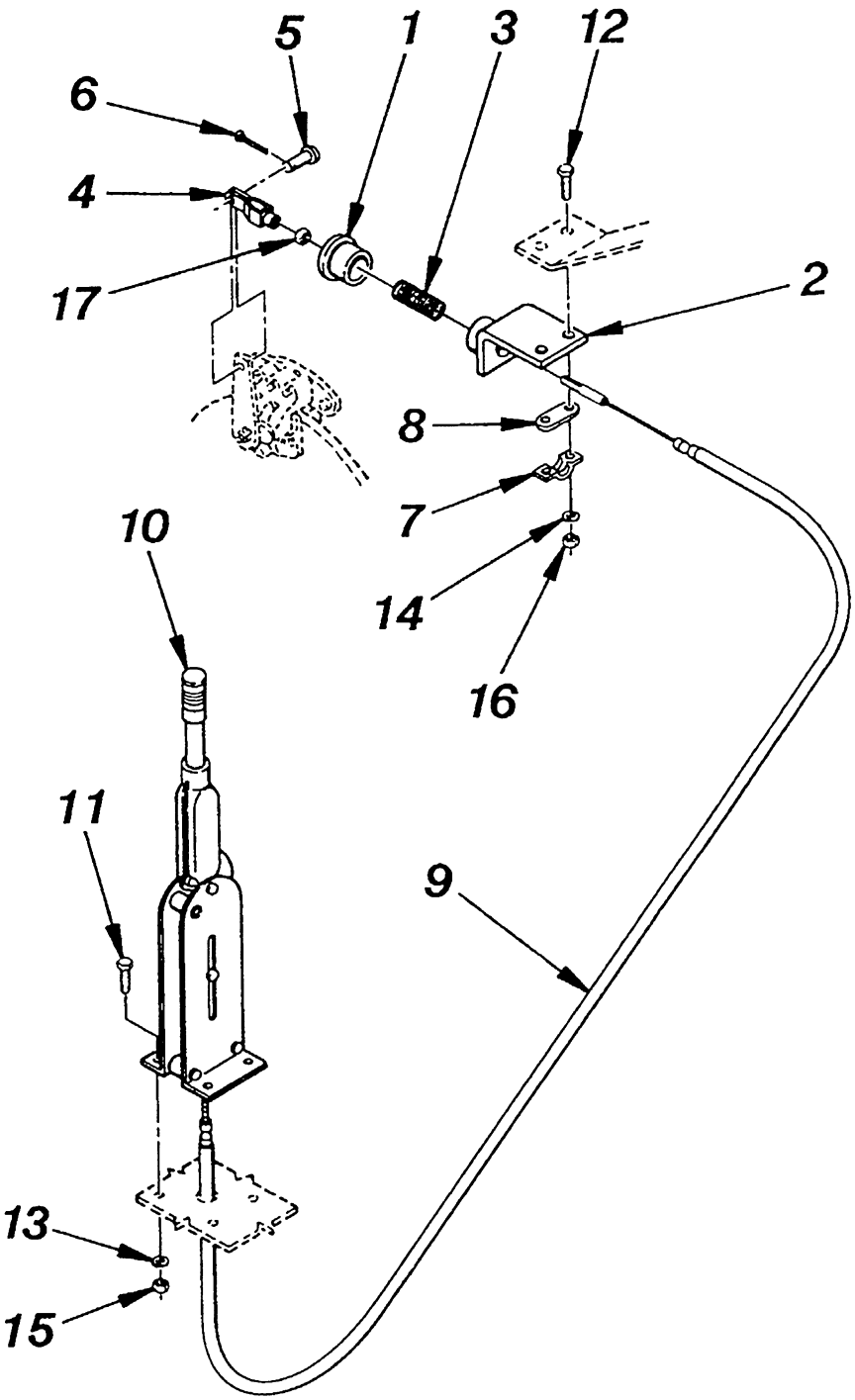



Figure 18394-2

## 18394-2

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 21065A | Spring Retainer | 1 | 823 – | |
| 2 | 21071A | Spring Base Mount | 1 | " – " | |
| 3 | P24302 | Spring | 1 | " – " | |
| 4 | P10193 | Clevis | 1 | " – " | |
| 5 | P10040 | Clevis Pin | 1 | " – " | |
| 6 | P03838 | Cotter Pin | 1 | " – " | 1/8" x 1" |
| 7 | P17595 | Clamp, Cable | 1 | " – " | |
| 8 | P17596 | Shim, Clamp | 1 | " – " | |
| 9 | P17592 | Cable, Hand Brake | 1 | " – " | |
| 10 | P28457 | Hand Brake | 1 | " – " | Includes Switch |
| NI | 26314C | Parking Brake Buzzer/Light Kit | – | 101 – 2419 | |
| 11 | P00104 | Bolt, Hx. | 4 | 823 – | 5/16"-18 x 1" |
| 12 | P00204 | Bolt, Hx. | 2 | " – " | 3/8"-16 x 1" |
| 13 | P01309 | Lockwasher | 4 | " – " | 5/16" |
| 14 | P01310 | Lockwasher | 2 | " – " | 3/8" |
| 15 | P01507 | Nut, Hx. | 4 | " – " | 5/16"-18 |
| 16 | P01508 | Nut, Hx. | 2 | " – " | 3/8"-16 |
| 17 | P01531 | Nut, Hx. | 1 | " – " | 3/8"-24 |

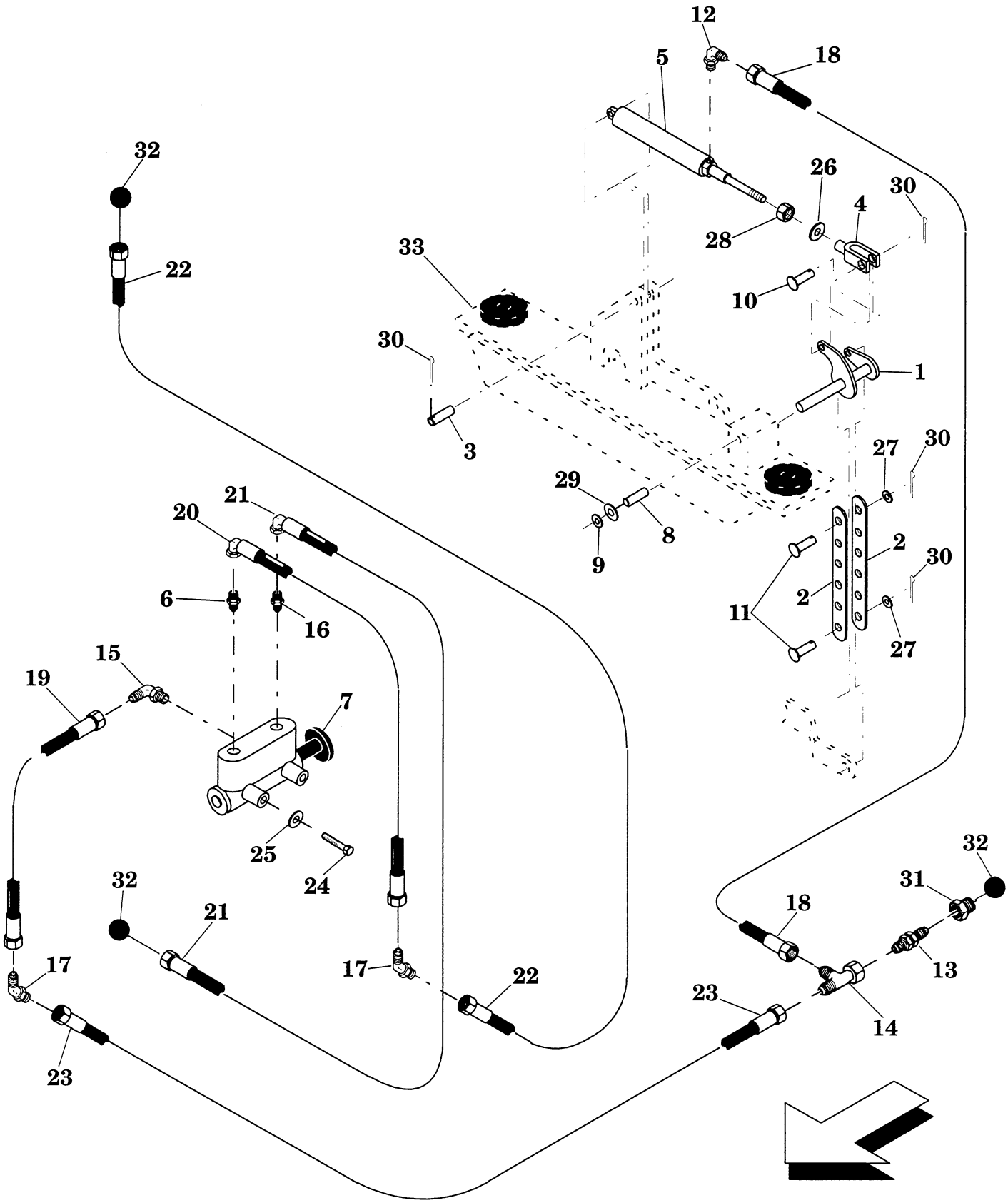



Figure 18394-3

## 18394-3

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 35039B | Bell Crank | 1 | ..... | |
| 2 | 34636B | Link, Adjustable | 2 | ..... | |
| 3 | 35032A | Pin | 1 | ..... | |
| 4 | 34668A | Clevis, Rod | 1 | ..... | |
| 5 | P30740 | Cylinder, Parking Brake | 1 | ..... | |
| 6 | P19414 | Valve, Check | 1 | ..... | |
| 7 | P40135 | Valve, Parking Brake | 1 | ..... | |
| 8 | P20368 | Bushing | 2 | ..... | |
| 9 | P27980 | Ring, Retaining | 1 | ..... | |
| 10 | P15331 | Pin, Clevis | 1 | ..... | |
| 11 | P20833 | Pin, Clevis | 2 | ..... | |
| 12 | P20374 | Connector, Pipe/JIC | 1 | ..... | |
| 13 | P28383 | Bulkhead | 1 | ..... | |
| 14 | P19412 | Tee, Swivel | 1 | ..... | |
| 15 | P19724 | 90° Elbow | 1 | ..... | |
| 16 | P19415 | Connector | 1 | ..... | |
| 17 | P18947 | 45° Bulkhead | 2 | ..... | |
| 18 | P21949 | Hose, Hyd. | 1 | ..... | |
| 19 | P27171 | Hose, Hyd. | 1 | ..... | |
| 20 | P27188 | Hose, Hyd. | 1 | ..... | |
| 21 | P31170 | Hose, Hyd. | 1 | ..... | |
| 22 | P25867 | Hose, Hyd. | 1 | ..... | |
| 23 | P32415 | Hose, Hyd. | 1 | ..... | |
| 24 | P00102 | Bolt, Hx. | 2 | ..... | 5/16"-18 x 3/4" |
| 25 | P01309 | Lockwasher | 2 | ..... | 5/16" |
| 26 | P01363 | Starwasher, Ext. | 1 | ..... | 5/8" |
| 27 | P01403 | Flatwasher | 2 | ..... | 5/16" |
| 28 | P01562 | Jam Nut, Hx. | 1 | ..... | 5/8"-11 |
| 29 | P31325 | Washer | 2 | ..... | |
| 30 | P03840 | Pin, Cotter | 4 | ..... | |
| NI | P16611 | Grease Zerk | 1 | ..... | Bell Crank |
| 31 | P28327 | Bushing, Reducer | 1 | ..... | |
| 32 | See Page 5-36 | See Lower Hydraulic Assembly | – | ..... | |
| 33 | REF | Bracket, Transmission Mounting | – | ..... | |

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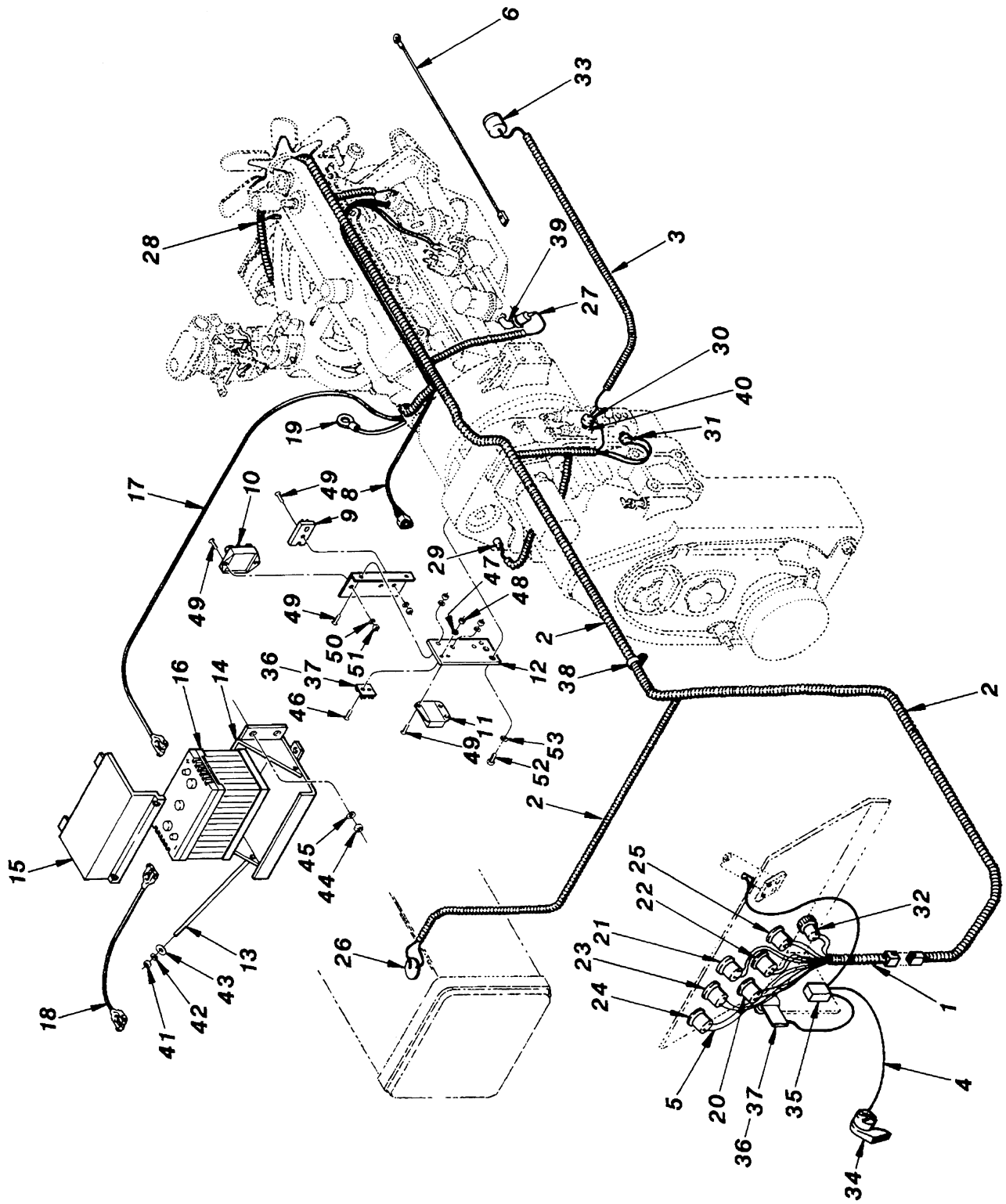



Figure 18362

## 18362 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19099 | Wire Harness | 1 | ..... | Upper ❶ |
| 1A | P26072 | Wires | 1 | ..... | Gauges - Power |
| 2 | P21399 | Wire Harness | 1 | ..... | Lower ❶ |
| 3 | P19102 | Wire Harness | 1 | ..... | Back-Up Alarm |
| 4 | P19101 | Wires | 1 | ..... | Horn (3 Wires) |
| 5 | P19284 | Wires | 1 | ..... | Gauges - Ground |
| 6 | P19829 | Wire, Brown - Electronic Ignition | 1 | ..... | |
| 8 | P19749 | Wire Harness, Electronic Ignition | 1 | ..... | |
| 9 | P19750 | Resistor, Ignition | 1 | ..... | |
| 10 | P19722 | Electronic Ignition Module | 1 | ..... | |
| 11 | P19204 | Voltage Regulator | 1 | ..... | Includes P19830 |
| NI | P19830 | Wire Harness, Voltage Regulator | 1 | ..... | |
| 12 | 17753A | Bracket, Mounting | 1 | ..... | |
| 13 | 15594A | Rod, Hold Down | 2 | ..... | |
| 14 | 16202C | Battery Box | 1 | ..... | |
| 15 | 16203B | Battery Box Cover | 1 | ..... | |
| 16 | — | Battery, 12 Volt | 1 | ..... | Champion P/N PC-31-1050A or equiv. |
| 17 | P18182 | Battery Cable, Positive | 1 | ..... | |
| 18 | P16691 | Battery Cable, Negative | 1 | ..... | |
| 19 | P19835 | Battery Cable, Ground | 1 | ..... | |
| 20 | P23214 | Gauge, Fuel | 1 | ..... | Replaces P18728 ❷ |
| 21 | P23216 | Gauge, Oil Pressure | 1 | ..... | Replaces P18730 ❸ |
| 22 | P23218 | Gauge, Ammeter | 1 | ..... | Replaces P18732 (N.L.A.) |
| 23 | P23219 | Gauge, Hourmeter | 1 | ..... | Replaces P18733 (N.L.A.) |
| 24 | P23220 | Gauge, Trans. Oil Temp. | 1 | ..... | Replaces P18734 (N.L.A.) |
| 25 | P23221 | Gauge, Water Temp. | 1 | ..... | Replaces P18735 ❹ |
| 26 | P23215 | Sender, Fuel | 1 | ..... | Replaces P18729 ❺ |
| 27 | P23217 | Sender, Oil Pressure | 1 | ..... | Replaces P18731 ❻ |
| 28 | P23222 | Sender, Water Temp. | 1 | ..... | Replaces P18813 ❼ |
| 29 | P19472 | Sender, Trans. Oil Temp. | 1 | ..... | |
| 30 | P19105 | Switch, Backup | 1 | ..... | |
| 31 | P20812 | Switch, Neutral Start | 1 | ..... | |
| 32 | P11092 | Switch, Ignition | 1 | ..... | |
| 33 | P13774 | Backup Alarm | 1 | ..... | |
| 34 | P13707 | Horn | 1 | ..... | |
| 35 | P13709 | Horn Relay | 1 | ..... | |
| NI | P19203 | Fuse, AGC - 30 AMP | 4 | ..... | |
| 37 | P24349 | Fuse Block | 2 | ..... | Replaces P19096 (N.L.A.) |
| 38 | P17553 | Clamp, Harness | 3 | ..... | |
| 39 | P10201 | 90° Elbow, Street | 1 | ..... | |
| 40 | P10215 | 45° Elbow, Street | 1 | ..... | |
| 41 | P01506 | Nut, Hx. | 2 | ..... | 1/4"-20 |
| 42 | P01308 | Lockwasher | 2 | ..... | 1/4" |
| 43 | P01402 | Flatwasher | 2 | ..... | 1/4" |
| 44 | P01508 | Nut, Hx. | 4 | ..... | 3/8"-16 |
| 45 | P01310 | Lockwasher | 4 | ..... | 3/8" |

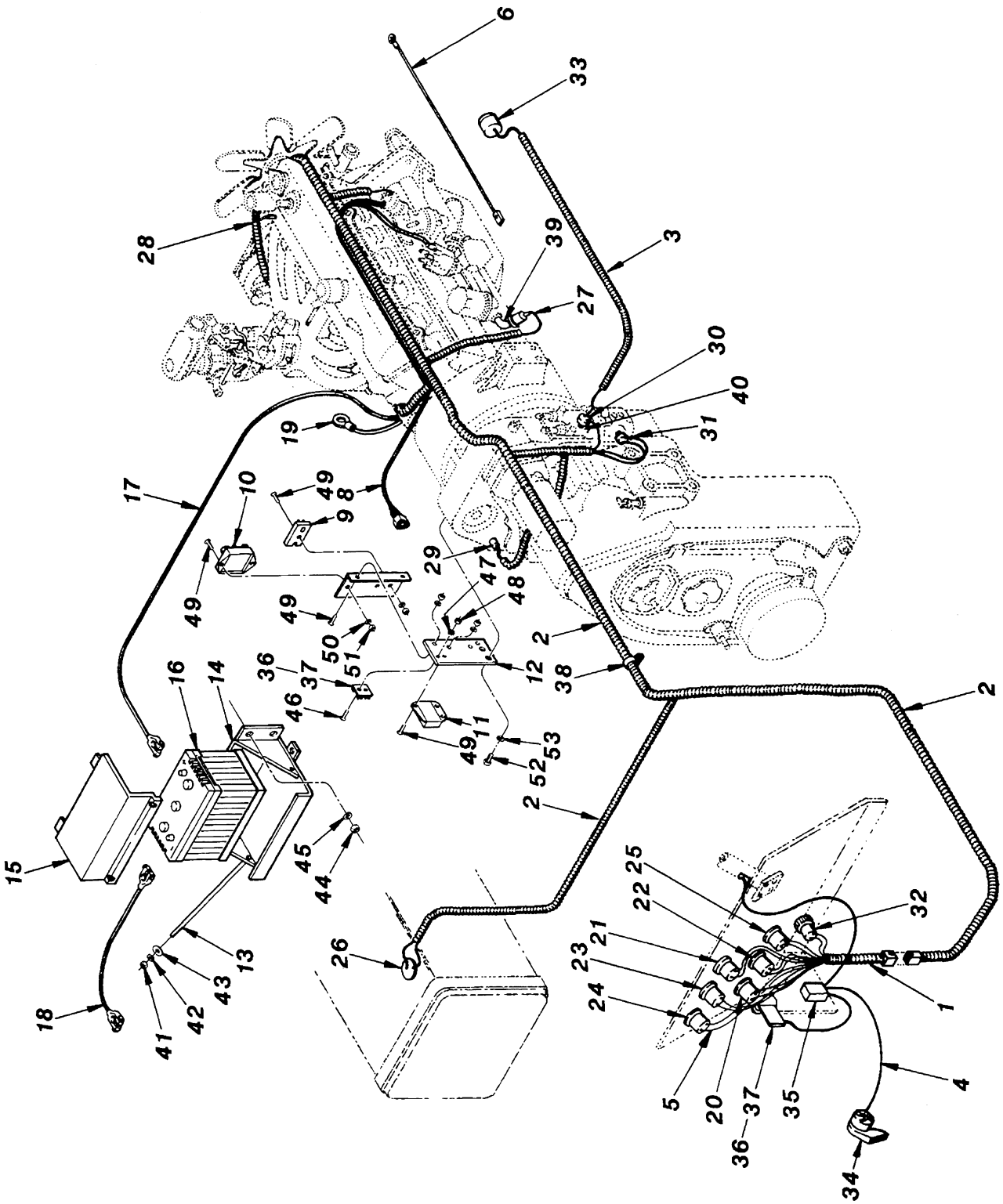



Figure 18362

## 18362 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 46 | P02016 | Screw, Slotted Rd. Hd. | 4 | ..... | #6-32 x 1/2" |
| 47 | P01353 | Starwasher | 4 | ..... | #6 |
| 48 | P01502 | Nut, Hx. | 4 | ..... | #6-32 |
| 49 | P02057 | Screw, Slotted Rd. Hd. | 7 | ..... | #10-24 x 3/4" |
| 50 | P01306 | Lockwasher | 7 | ..... | #10 |
| 51 | P01504 | Nut, Hx. | 7 | ..... | #10-24 |
| 52 | P00400 | Bolt, Hx. | 2 | ..... | 1/2"-13 x 3/4" |
| 53 | P01312 | Lockwasher | 2 | ..... | 1/2" |

NOTES:

❶ When ordering, specify S/N and identify whether harness has 9, 12, or 15-Pin Connector.
❷ N.L.A., Service with P23214 Gauge and P23215 Sender.
❸ N.L.A., Service with P23216 Gauge and P23217 Sender.
❹ N.L.A., Service with P23221 Gauge and P23222 Sender.
❺ N.L.A., Service with P23215 Sender and P23214 Gauge.
❻ N.L.A., Service with P23217 Sender and P23216 Gauge.
❼ N.L.A., Service with P23222 Sender and P23221 Gauge.

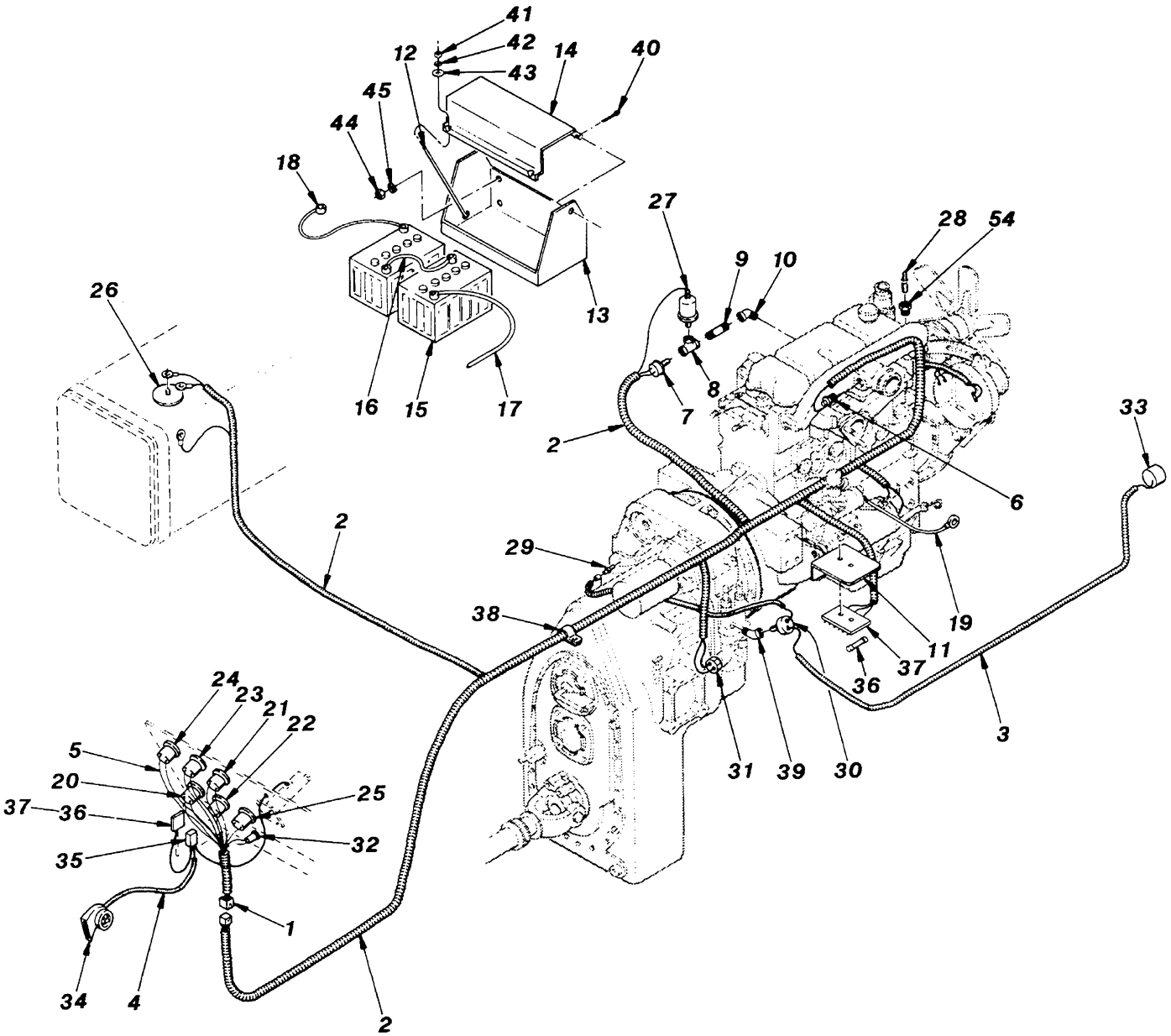



**Figure 18363**

## 18363 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19782 | Wire Harness | 1 | ..... | Upper ❶ |
| 1A | P26072 | Wires | 1 | ..... | Gauges - Power |
| 2 | P21778 | Wire Harness | 1 | ..... | Lower ❶ |
| 3 | P19102 | Wire Harness | 1 | ..... | Back - Up Alarm |
| 4 | P19101 | Wires | 1 | ..... | Horn |
| 5 | P19284 | Wires | 1 | ..... | Gauges - Ground |
| 6 | P22210 | Glow Plug, Heater | 1 | ..... | |
| 7 | P20073 | Switch, Pressure | 1 | ..... | |
| 8 | P10200 | Tee, Pipe | 1 | ..... | |
| 9 | P10757 | Nipple, Pipe | 1 | ..... | |
| 10 | P10201 | 90° Elbow, Street | 1 | ..... | |
| 11 | 16273A | Mounting Bracket, Fuse Block | 1 | ..... | |
| NI | P00400 | Bolt, Hx. | 2 | ..... | 1/2"-13 x 3/4", Fuse Block Bracket Mounting |
| NI | P01312 | Lockwasher | 2 | ..... | 1/2", Fuse Block Bracket Mounting |
| 12 | 16357A | Rod, Hold Down | 2 | ..... | |
| 13 | 16344C | Battery Box | 1 | ..... | |
| 14 | 16355B | Battery Box Cover | 1 | ..... | |
| 15 | — | Battery, 6 Volt | 2 | ..... | Gould P/N 2T-590 or Equiv. |
| 16 | P18122 | Battery Cable | 1 | ..... | Negative to Positive |
| 17 | P19833 | Battery Cable | 1 | ..... | Positive |
| 18 | P19834 | Battery Cable | 1 | ..... | Negative |
| 19 | P19835 | Battery Cable | 1 | ..... | Ground |
| 20 | P23214 | Gauge, Fuel | 1 | ..... | Replaces P18728 ❷ |
| 21 | P23216 | Gauge, Oil Pressure | 1 | ..... | Replaces P18730 ❸ |
| 22 | P23218 | Gauge, Ammeter | 1 | ..... | Replaces P18732 (N.L.A.) |
| 23 | P23219 | Gauge, Hourmeter | 1 | ..... | Replaces P18733 (N.L.A.) |
| 24 | P23220 | Gauge, Trans. Oil Temp. | 1 | ..... | Replaces P18734 (N.L.A.) |
| 25 | P23221 | Gauge, Water Temp. | 1 | ..... | Replaces P18735 ❹ |
| 26 | P23215 | Sender, Fuel | 1 | ..... | Replaces P18729 ❺ |
| 27 | P23217 | Sender, Oil Pressure | 1 | ..... | Replaces P18731 ❻ |
| 28 | P23222 | Sender, Water Temp. | 1 | ..... | Replaces P18813 ❼ |
| 29 | P19472 | Sender, Trans. Oil Temp. | 1 | ..... | |
| 30 | P19105 | Switch, Backup | 1 | ..... | |
| 31 | P20812 | Switch, Neutral Start | 1 | ..... | |
| 32 | P20996 | Switch, Ignition | 1 | ..... | |
| 33 | P13774 | Backup Alarm | 1 | ..... | |
| 34 | P13707 | Horn | 1 | ..... | |
| 35 | P13709 | Horn Relay | 1 | ..... | |
| NI | P02057 | Screw, Slotted Rd. Hd. | 4 | ..... | #10-24 x 3/4", Horn Relay Mounting |
| NI | P01306 | Lockwasher | 4 | ..... | #10, Horn Relay Mounting |
| NI | P01504 | Nut, Hx. | 4 | ..... | #10-24, Horn Relay Mounting |
| 36 | P19203 | Fuse, AGC - 30 AMP | 4 | ..... | |
| 37 | P24349 | Fuse Block | 2 | ..... | Replaces P19096 (N.L.A.) |
| NI | P02016 | Screw, Slotted Rd. Hd. | 4 | ..... | #6-32 x 1/2", Fuse Block Mounting |
| NI | P01353 | Starwasher | 4 | ..... | #6, Fuse Block Mounting |
| NI | P01502 | Nut, Hx. | 4 | ..... | #6-32, Fuse Block Mounting |
| 38 | P17553 | Clamp, Harness | 3 | ..... | |
| 39 | P10215 | 45° Elbow, Street | 1 | ..... | |

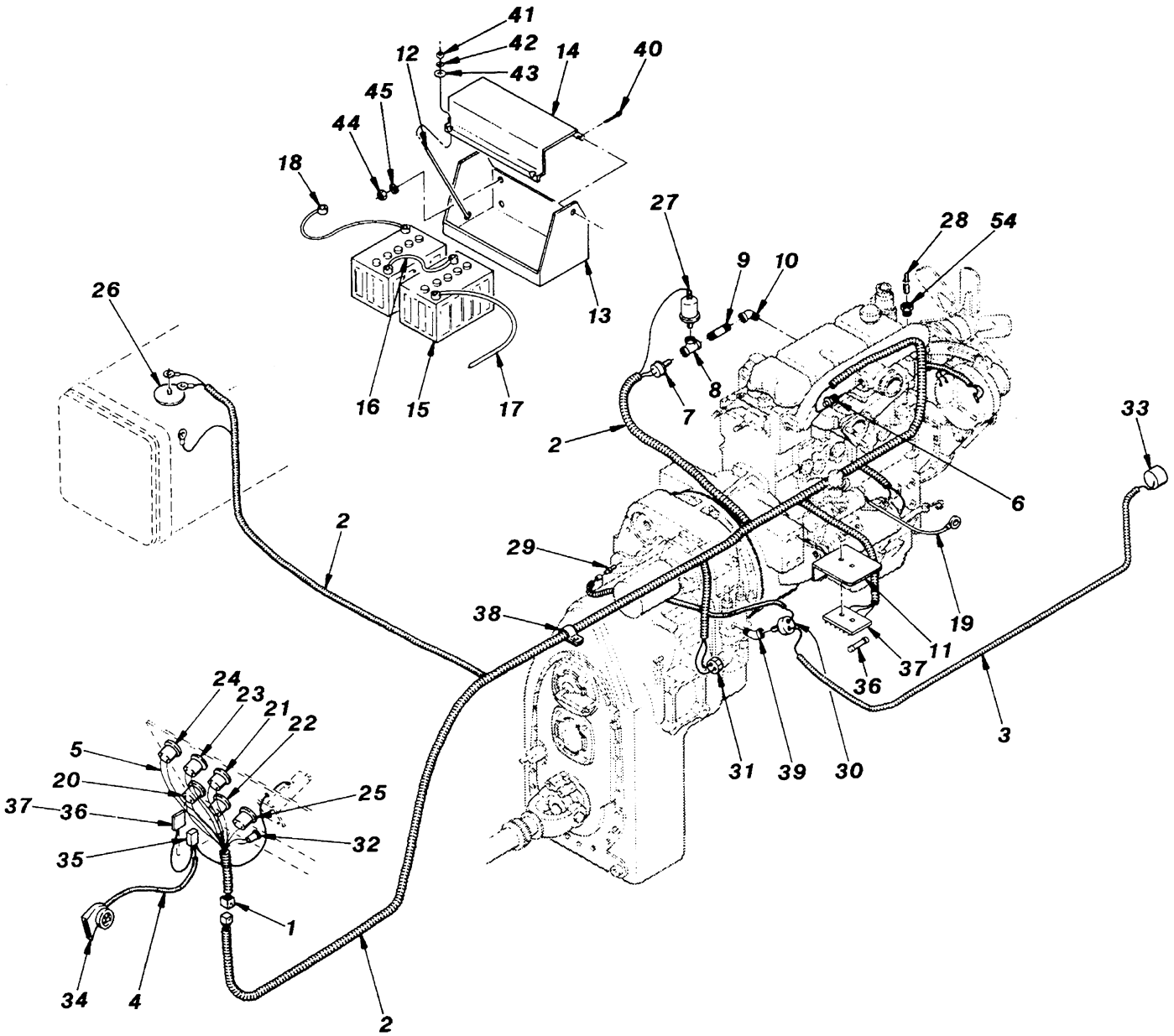



**Figure 18363**

## 18363 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 40 | P03823 | Cotter Pin | 4 | ..... | 3/32" x 3/4" |
| 41 | P01507 | Nut, Hx. | 2 | ..... | 5/16"-18 |
| 42 | P01309 | Lockwasher | 2 | ..... | 5/16" |
| 43 | P01403 | Flatwasher | 2 | ..... | 5/16" |
| 44 | P01508 | Nut, Hx. | 4 | ..... | 3/8"-16 |
| 45 | P01310 | Lockwasher | 4 | ..... | 3/8" |
| 54 | P10158 | Reducer Bushing | 1 | ..... | |

NOTES:
❶ When ordering, specify S/N and identify whether harness has 9, 12, or 15-Pin Connector.
❷ N.L.A., Service with P23214 Gauge and P23215 Sender.
❸ N.L.A., Service with P23216 Gauge and P23217 Sender.
❹ N.L.A., Service with P23221 Gauge and P23222 Sender.
❺ N.L.A., Service with P23215 Sender and P23214 Gauge.
❻ N.L.A., Service with P23217 Sender and P23216 Gauge.
❼ N.L.A., Service with P23222 Sender and P23221 Gauge.

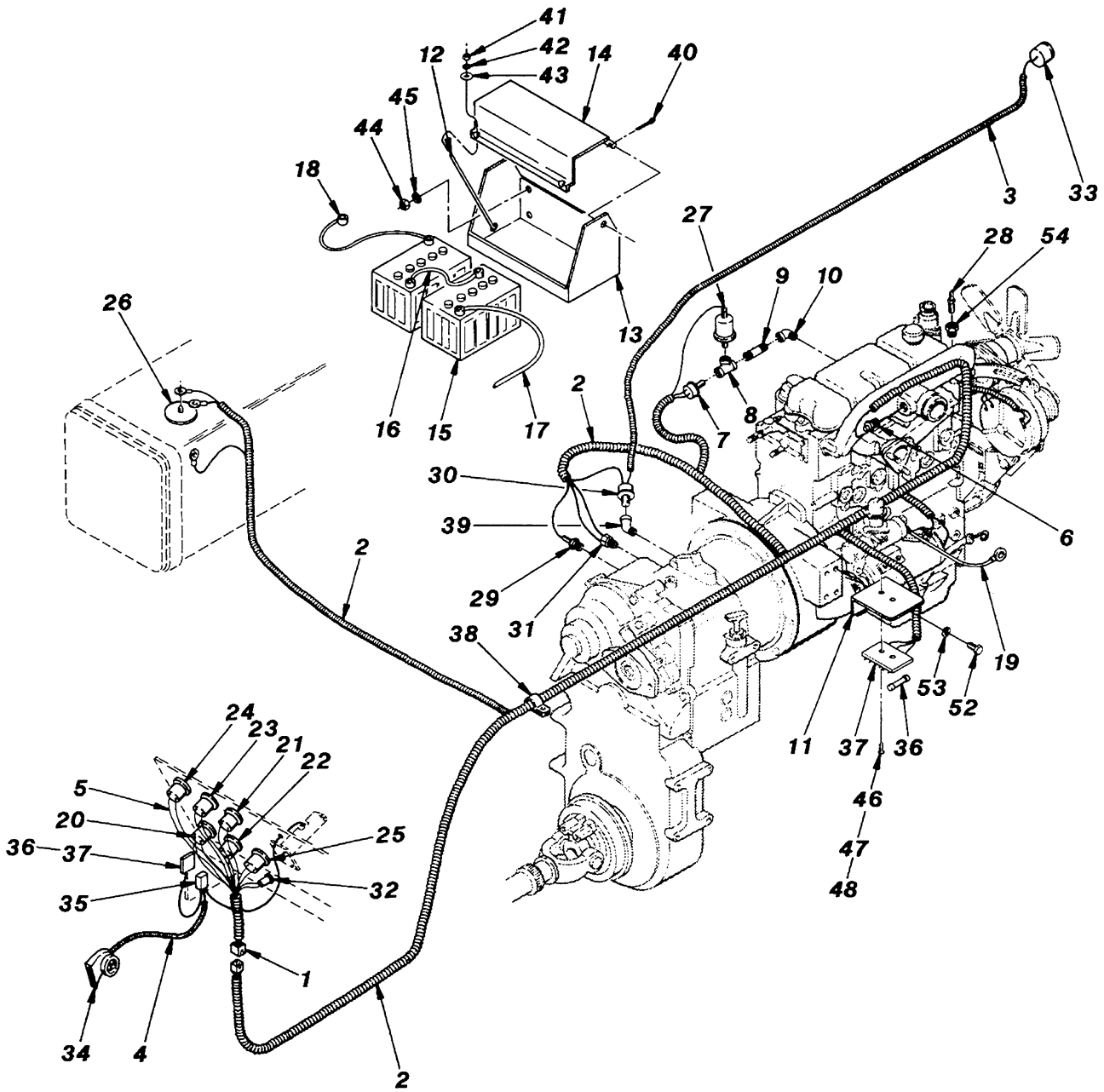



**Figure 18363-1**

## 18363-1 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19782 | Wire Harness | 1 | ..... | Upper ❶ |
| 1A | P26072 | Wires | 1 | ..... | Gauges - Power |
| 2 | P21778 | Wire Harness | 1 | ..... | Lower ❶ |
| 3 | P19102 | Wire Harness | 1 | ..... | Back - Up Alarm |
| 4 | P19101 | Wires | 1 | ..... | Horn |
| 5 | P19284 | Wires | 1 | ..... | Gauges - Ground |
| 6 | P22210 | Glow Plug, Heater | 1 | ..... | |
| 7 | P20073 | Switch, Pressure | 1 | ..... | |
| 8 | P10200 | Tee, Pipe | 1 | ..... | |
| 9 | P10757 | Nipple, Pipe | 1 | ..... | |
| 10 | P10201 | 90° Elbow, Street | 1 | ..... | |
| 11 | 16273A | Mounting Bracket, Fuse Block | 1 | ..... | |
| 12 | 16357A | Rod, Hold Down | 2 | ..... | |
| 13 | 16344C | Battery Box | 1 | ..... | |
| 14 | 16355B | Battery Box Cover | 1 | ..... | |
| 15 | — | Battery, 6 Volt | 2 | ..... | Gould P/N 2T-590 or Equiv. |
| 16 | P18122 | Battery Cable | 1 | ..... | Negative to Positive |
| 17 | P19833 | Battery Cable | 1 | ..... | Positive |
| 18 | P19834 | Battery Cable | 1 | ..... | Negative |
| 19 | P19835 | Battery Cable | 1 | ..... | Ground |
| 20 | P23214 | Gauge, Fuel | 1 | ..... | Replaces P18728 ❷ |
| 21 | P23216 | Gauge, Oil Pressure | 1 | ..... | Replaces P18730 ❸ |
| 22 | P23218 | Gauge, Ammeter | 1 | ..... | Replaces P18732 (N.L.A.) |
| 23 | P23219 | Gauge, Hourmeter | 1 | ..... | Replaces P18733 (N.L.A.) |
| 24 | P23220 | Gauge, Trans. Oil Temp. | 1 | ..... | Replaces P18734 (N.L.A.) |
| 25 | P23221 | Gauge, Water Temp. | 1 | ..... | Replaces P18735 ❹ |
| 26 | P23215 | Sender, Fuel | 1 | ..... | Replaces P18729 ❺ |
| 27 | P23217 | Sender, Oil Pressure | 1 | ..... | Replaces P18731 ❻ |
| 28 | P23222 | Sender, Water Temp. | 1 | ..... | Replaces P18813 ❼ |
| 29 | P19472 | Sender, Trans. Oil Temp. | 1 | ..... | |
| 30 | P19105 | Switch, Backup | 1 | ..... | |
| 31 | P18673 | Switch, Neutral Start | 1 | ..... | |
| 32 | P20996 | Switch, Ignition | 1 | ..... | |
| 33 | P13774 | Backup Alarm | 1 | ..... | |
| 34 | P13707 | Horn | 1 | ..... | |
| 35 | P13709 | Horn Relay | 1 | ..... | |
| NI | P02057 | Screw, Slotted Rd. Hd. | 2 | ..... | #10-24 x 3/4", Horn Relay Mounting |
| NI | P01306 | Lockwasher | 2 | ..... | #10, Horn Relay Mounting |
| NI | P01504 | Nut, Hx. | 2 | ..... | #10-24, Horn Relay Mounting |
| 36 | P19203 | Fuse, AGC - 30 AMP | 4 | ..... | |
| 37 | P24349 | Fuse Block | 2 | ..... | Replaces P19096 (N.L.A.) |
| 38 | P17553 | Clamp, Harness | 3 | ..... | |
| 39 | P10215 | 45° Elbow, Street | 1 | ..... | |
| 40 | P03823 | Cotter Pin | 4 | ..... | 3/32" x 3/4" |
| 41 | P01507 | Nut, Hx. | 2 | ..... | 5/16"-18 |
| 42 | P01309 | Lockwasher | 2 | ..... | 5/16" |
| 43 | P01403 | Flatwasher | 2 | ..... | 5/16" |
| 44 | P01508 | Nut, Hx. | 4 | ..... | 3/8"-16 |
| 45 | P01310 | Lockwasher | 4 | ..... | 3/8" |

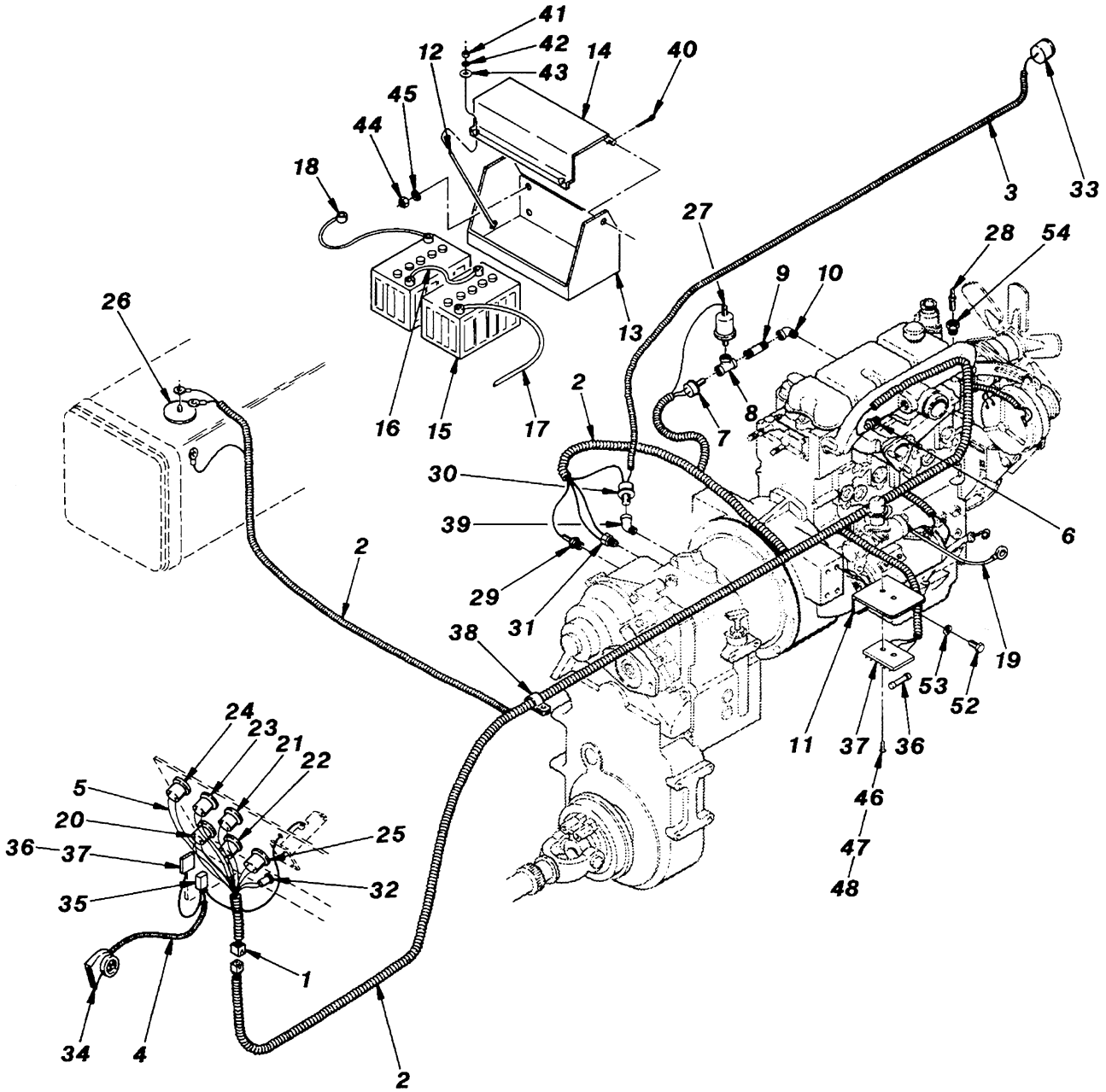



**Figure 18363-1**

## 18363-1 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 46 | P02016 | Screw, Slotted Rd. Hd. | 4 | ..... | #6-32 x 1/2", Fuse Block Mounting |
| 47 | P01353 | Starwasher | 4 | ..... | #6, Fuse Block Mounting |
| 48 | P01502 | Nut, Hx. | 4 | ..... | #6-32, Fuse Block Mounting |
| 52 | P00400 | Bolt, Hx. | 2 | ..... | 1/2"-13 x 3/4", Fuse Block Bracket Mounting |
| 53 | P01312 | Lockwasher | 2 | ..... | 1/2", Fuse Block Bracket Mounting |
| 54 | P10158 | Reducer Bushing | 1 | ..... | |

NOTES:

❶ When ordering, specify S/N and identify whether harness has 9, 12, or 15-Pin Connector.
❷ N.L.A., Service with P23214 Gauge and P23215 Sender.
❸ N.L.A., Service with P23216 Gauge and P23217 Sender.
❹ N.L.A., Service with P23221 Gauge and P23222 Sender.
❺ N.L.A., Service with P23215 Sender and P23214 Gauge.
❻ N.L.A., Service with P23217 Sender and P23216 Gauge.
❼ N.L.A., Service with P23222 Sender and P23221 Gauge.

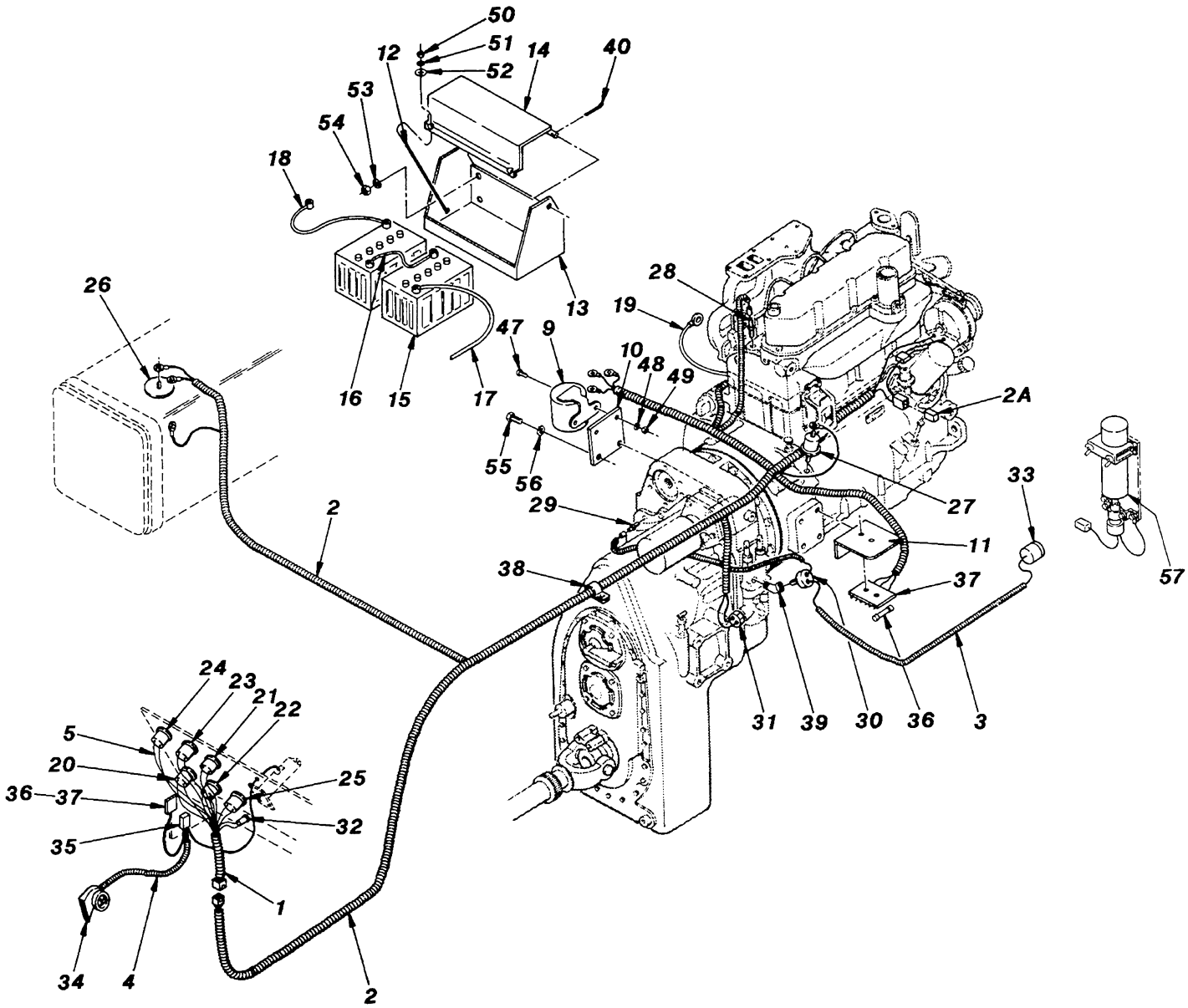



**Figure 18363-2**

## 18363-2 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19099 | Wire Harness | 1 | ..... | Upper ❶ |
| 1A | P26072 | Wires | 1 | ..... | Gauges - Power |
| 2 | P21770 | Wire Harness | 1 | ..... | Lower ❶ ❷ |
| 2A | P21787 | Diode Module | 1 | ..... | |
| 3 | P19102 | Wire Harness | 1 | ..... | Back-Up Alarm |
| 4 | P19101 | Wires | 1 | ..... | Horn (3 Wires) |
| 5 | P19284 | Wires | 1 | ..... | Gauges - Ground |
| 9 | P21777 | Starter Relay | 1 | ..... | |
| 10 | 18320A | Mounting Bracket, Starter Relay | 1 | ..... | |
| 11 | 16273A | Mounting Bracket, Fuse Block | 1 | ..... | |
| 12 | 16357A | Rod, Hold Down | 2 | ..... | |
| 13 | 16344C | Battery Box | 1 | ..... | |
| 14 | 16355B | Battery Box Cover | 1 | ..... | |
| 15 | — | Battery, 6 Volt | 2 | ..... | 900 CCA, Group 4 |
| 16 | P18122 | Battery Cable | 1 | ..... | Negative to Positive |
| 17 | P19833 | Battery Cable | 1 | ..... | Positive |
| 18 | P19834 | Battery Cable | 1 | ..... | Negative |
| 19 | P19835 | Battery Cable | 1 | ..... | Ground |
| 20 | P23214 | Gauge, Fuel | 1 | ..... | ❸ |
| 21 | P23216 | Gauge, Oil Pressure | 1 | ..... | ❹ |
| 22 | P23218 | Gauge, Ammeter | 1 | ..... | ❺ |
| 23 | P23219 | Gauge, Hourmeter | 1 | ..... | ❺ |
| 24 | P23220 | Gauge, Trans. Oil Temp. | 1 | ..... | ❺ |
| 25 | P23221 | Gauge, Water Temp. | 1 | ..... | ❻ |
| 26 | P23215 | Sender, Fuel | 1 | ..... | ❼ |
| 27 | P23217 | Sender, Oil Pressure | 1 | ..... | ❽ |
| 28 | P23222 | Sender, Water Temp. | 1 | ..... | ❾ |
| 29 | P19472 | Sender, Trans. Oil Temp. | 1 | ..... | |
| 30 | P19105 | Switch, Backup | 1 | ..... | |
| 31 | P20812 | Switch, Neutral Start | 1 | ..... | |
| 32 | P11092 | Switch, Ignition | 1 | ..... | |
| 33 | P13774 | Backup Alarm | 1 | ..... | |
| 34 | P13707 | Horn | 1 | ..... | |
| 35 | P13709 | Horn Relay | 2 | ..... | |
| NI | P02057 | Screw, Slotted Rd. Hd. | 2 | ..... | #10-24 x 3/4", Horn Relay Mounting |
| NI | P01306 | Lockwasher | 2 | ..... | #10, Horn Relay Mounting |
| NI | P01504 | Nut, Hx. | 2 | ..... | #10-24, Horn Relay Mounting |
| 36 | P19203 | Fuse, AGC - 30 AMP | 4 | ..... | |
| 37 | P24349 | Fuse Block | 2 | ..... | Replaces P19096 (N.L.A.) |
| NI | P02016 | Screw, Slotted Rd. Hd. | 4 | ..... | #6-32 x 1/2", Fuse Block Mounting |
| NI | P01353 | Starwasher | 4 | ..... | #6, Fuse Block Mounting |
| NI | P01502 | Nut, Hx. | 4 | ..... | #6-32, Fuse Block Mounting |
| 38 | P17553 | Clamp, Harness | 3 | ..... | |
| 39 | P10215 | 45° Elbow, Street | 1 | ..... | |
| 40 | P03823 | Cotter Pin | 4 | ..... | 3/32" x 3/4" |
| 47 | P00001 | Bolt, Hx. | 2 | ..... | 1/4"-20 x 1/2" |
| 48 | P01308 | Lockwasher | 2 | ..... | 1/4" |
| 49 | P01506 | Nut, Hx. | 2 | ..... | 1/4"-20 |

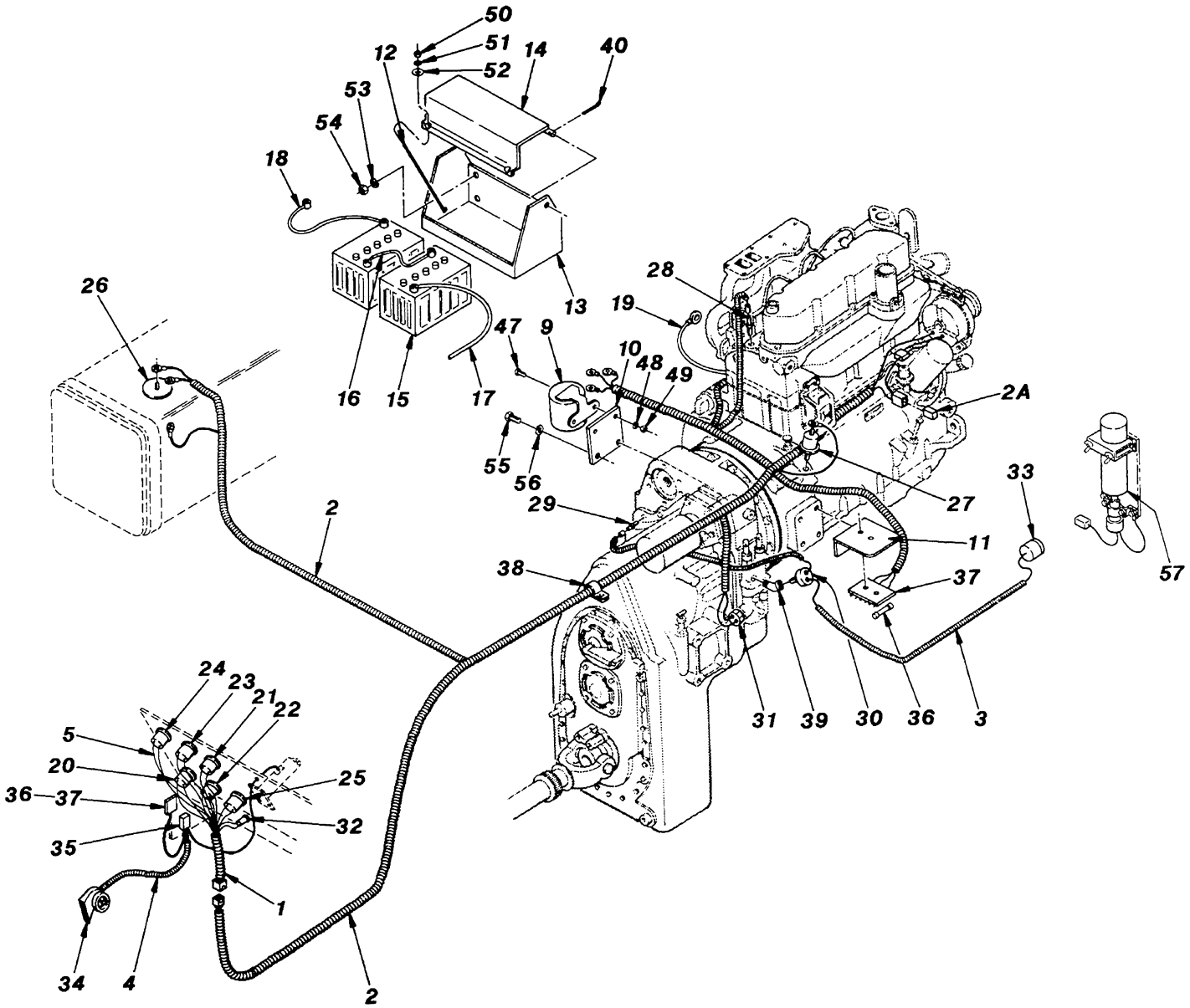



**Figure 18363-2**

## 18363-2 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 50 | P01507 | Nut, Hx. | 2 | ..... | 5/16"-18 |
| 51 | P01309 | Lockwasher | 2 | ..... | 5/16" |
| 52 | P01403 | Flatwasher | 2 | ..... | 5/16" |
| 53 | P01310 | Lockwasher | 4 | ..... | 3/8" |
| 54 | P01508 | Nut, Hx. | 4 | ..... | 3/8"-16 |
| 55 | P00400 | Bolt, Hx. | 4 | ..... | 1/2"-13 x 3/4" |
| 56 | P01312 | Lockwasher | 4 | ..... | 1/2" |
| 57 | P21422 | Quick Start | 1 | 644 – | Cylinder Not Included |
| NI | N.L.A. | Cylinder, Refill | – | 644 – | Obtain Locally |
| NI | P26323 | Switch, Quick Start | – | 644 – | |

NOTES:
❶ When ordering, specify S/N and identify whether harness has 9, 12, or 15-Pin Connector.
❷ Machines with fuse located on Starter Relay side use 18411D.
❸ S/N 101 – 651 Original Part N.L.A. Service with P23214 Gauge and P23215 Sender.
❹ S/N 101 – 651 Original Part N.L.A. Service with P23216 Gauge and P23217 Sender.
❺ S/N 101 – 651 Original Part N.L.A. Part Number shown replaces original part.
❻ S/N 101 – 651 Original Part N.L.A. Service with P23221 Gauge and P23222 Sender.
❼ S/N 101 – 651 Original Part N.L.A. Service with P23215 Sender and P23214 Gauge.
❽ S/N 101 – 651 Original Part N.L.A. Service with P23217 Sender and P23216 Gauge.
❾ S/N 101 – 651 Original Part N.L.A. Service with P23222 Sender and P23221 Gauge.

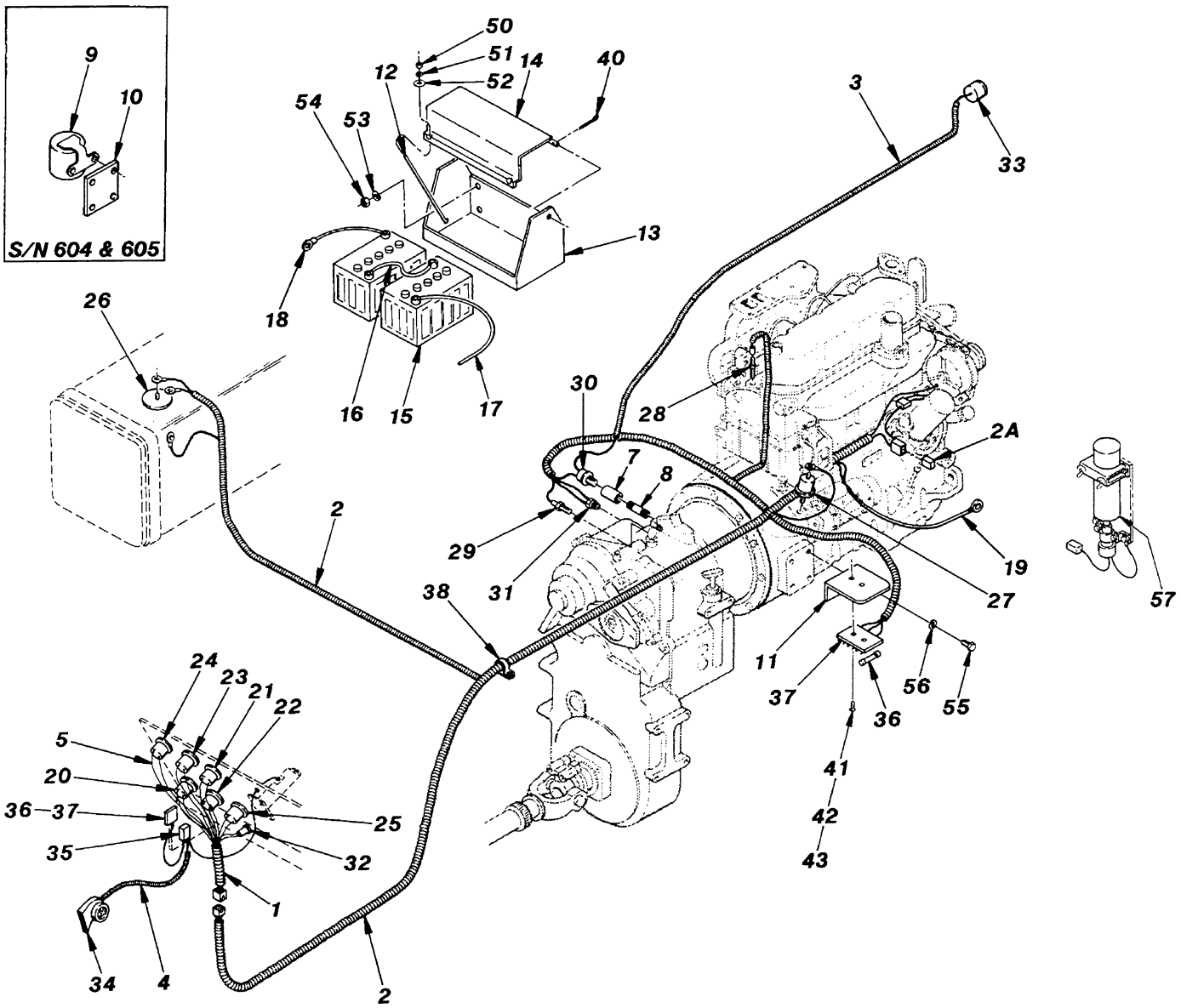



**Figure 18363-3**

## 18363-3 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19099 | Wire Harness | 1 | 101 – 1694 | Upper ❶ |
| 1A | P26072 | Wires | 1 | 101 – 1694 | Gauges - Power |
| 2 | P21657 | Wire Harness | 1 | 101 – 603, 606 – 1694 | Lower ❶ |
| | P21780 | Wire Harness | 1 | 604 & 605 | Lower ❶ |
| 2A | P21787 | Diode Module | 1 | 101 – 1694 | |
| 3 | P19102 | Wire Harness | 1 | 101 – 1694 | Back-Up Alarm |
| 4 | P19101 | Wires | 1 | 101 – 859 | Horn (3 Wires) |
| 5 | P19284 | Wires | 1 | 101 – 1694 | Gauges - Ground |
| NI | P27504 | Wire | 1 | 604 & 605 | Backup Alarm - Ground |
| 7 | P10664 | Coupler, Pipe | 1 | 604 & 605 | |
| 8 | P10889 | Nipple, Pipe | 1 | 604 & 605 | |
| 9 | P21777 | Starter Relay | 1 | 604 & 605 | |
| NI | P00001 | Bolt, Hx. | 2 | 604 & 605 | 1/4"-20 x 1/2", Starter Relay Mounting |
| NI | P01308 | Lockwasher | 2 | 604 & 605 | 1/4", Starter Relay Mounting |
| NI | P01506 | Nut, Hx. | 2 | 604 & 605 | 1/4"-20, Starter Relay Mounting |
| 10 | 18320A | Mounting Bracket, Starter Relay | 1 | 604 & 605 | |
| 11 | 16273A | Mounting Bracket, Fuse Block | 1 | 101 – 859 | |
| 12 | 16357A | Rod, Hold Down | 2 | 101 – 1694 | |
| 13 | 21977C | Battery Box | 1 | 1241 – 1694 | |
| | 16344C | Battery Box | 1 | 101 – 1240 | |
| 14 | 21976B | Battery Box Cover | 1 | 1241 – 1694 | |
| | 16355B | Battery Box Cover | 1 | 101 – 1240 | |
| 15 | — | Battery, 6 Volt | 2 | 101 – 1694 | 900 CCA, Group 4 |
| 16 | P18122 | Battery Cable | 1 | " – " | Negative to Positive |
| 17 | P19833 | Battery Cable | 1 | " – " | Positive |
| 18 | P19834 | Battery Cable | 1 | " – " | Negative |
| 19 | P19835 | Battery Cable | 1 | " – " | Ground |
| 20 | P23214 | Gauge, Fuel | 1 | " – " | |
| 21 | P23216 | Gauge, Oil Pressure | 1 | " – " | |
| 22 | P23218 | Gauge, Ammeter | 1 | " – " | |
| 23 | P23219 | Gauge, Hourmeter | 1 | " – " | |
| 24 | P23220 | Gauge, Trans. Oil Temp. | 1 | " – " | |
| 25 | P23221 | Gauge, Water Temp. | 1 | " – " | |
| 26 | P23215 | Sender, Fuel | 1 | " – " | |
| 27 | P23217 | Sender, Oil Pressure | 1 | " – " | |
| 28 | P23222 | Sender, Water Temp. | 1 | " – " | |
| 29 | P19472 | Sender, Trans. Oil Temp. | 1 | " – " | |
| 30 | P19105 | Switch, Backup | 1 | " – " | |
| 31 | P18673 | Switch, Neutral Start | 1 | " – " | |
| 32 | P11092 | Switch, Ignition | 1 | " – " | |
| 33 | P13774 | Backup Alarm | 1 | " – " | |
| 34 | P13707 | Horn | 1 | " – " | |
| 35 | P13709 | Horn Relay | 1 | " – " | |
| NI | P02057 | Screw, Slotted Rd. Hd. | 2 | " – " | #10-24 x 3/4", Horn Relay Mounting |
| NI | P01306 | Lockwasher | 2 | " – " | #10, Horn Relay Mounting |
| NI | P01504 | Nut, Hx. | 2 | " – " | #10-24, Horn Relay Mounting |

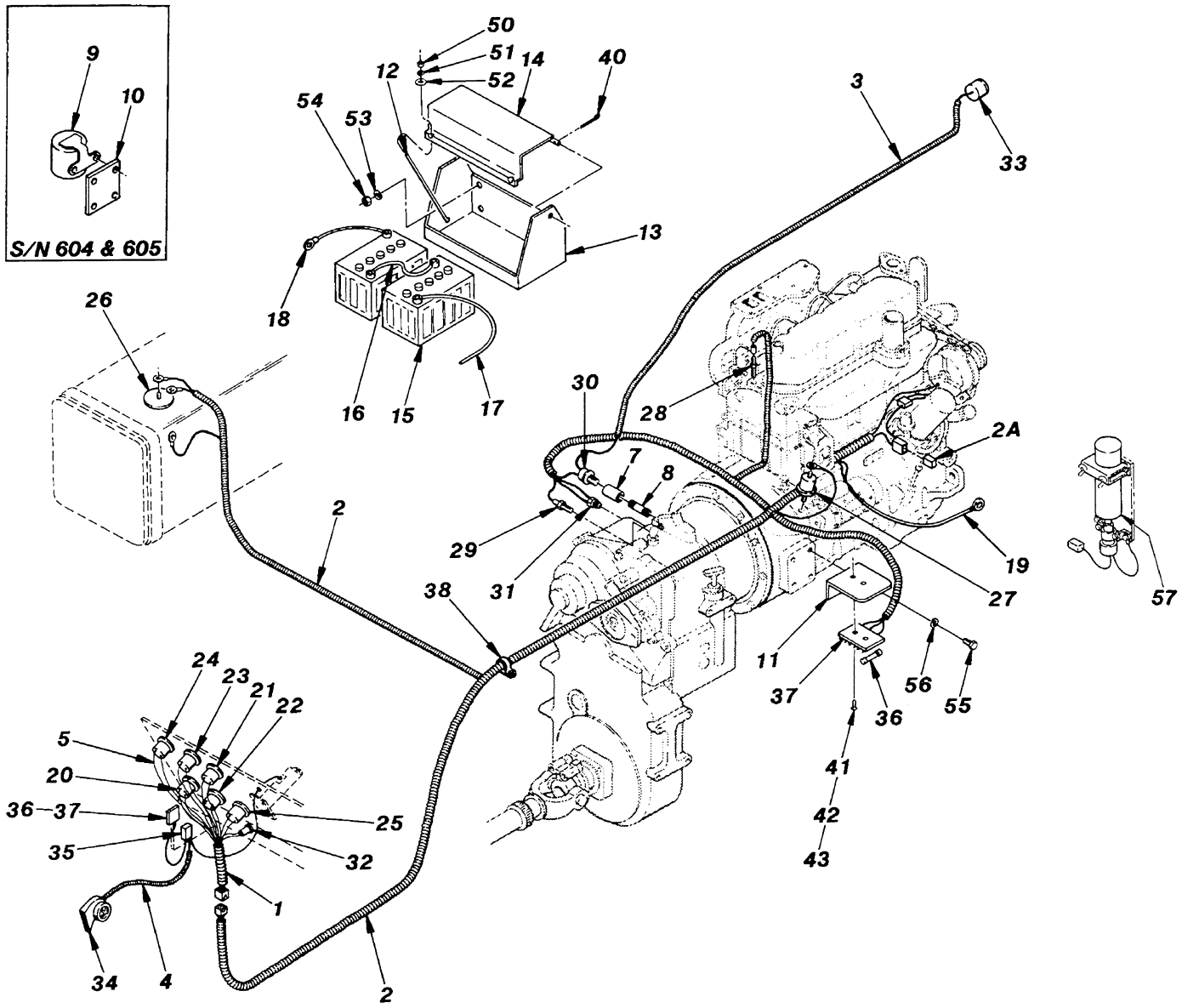



**Figure 18363-3**

## 18363-3 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 36 | P19203 | Fuse, AGC - 30 AMP | 2 | " – " | |
| 37 | P24349 | Fuse Block | 1 | " – " | |
| 38 | P17553 | Clamp, Harness | 1 | " – " | |
| 39 | P17554 | Clamp, Harness & Battery Cable | 3 | " – " | |
| 40 | P03823 | Cotter Pin | 4 | " – " | 3/32" x 3/4" |
| 41 | P02016 | Screw, Slotted Rd. Hd. | 4 | " – " | #6-32 x 1/2" |
| 42 | P01353 | Starwasher | 4 | " – " | #6 |
| 43 | P01502 | Nut, Hx. | 4 | " – " | #6-32 |
| 50 | P01507 | Nut, Hx. | 2 | " – " | 5/16"-18 |
| 51 | P01309 | Lockwasher | 2 | " – " | 5/16" |
| 52 | P01403 | Flatwasher | 2 | " – " | 5/16" |
| 53 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 54 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 55 | P00400 | Bolt, Hx. | 1 | " – " | 1/2"-13 x 3/4" |
| 56 | P01312 | Lockwasher | 1 | " – " | 1/2" |
| 57 | P21422 | Quick Start | 1 | 644 – 1694 | Cylinder Not Included |
| NI | N.L.A. | Cylinder, Refill | – | 644 – 1694 | Obtain Locally |
| NI | P26323 | Switch, Quick Start | 1 | 644 – 1694 | |

NOTES:

❶ When ordering, specify S/N and identify whether harness has 9, 12, or 15-Pin Connector.

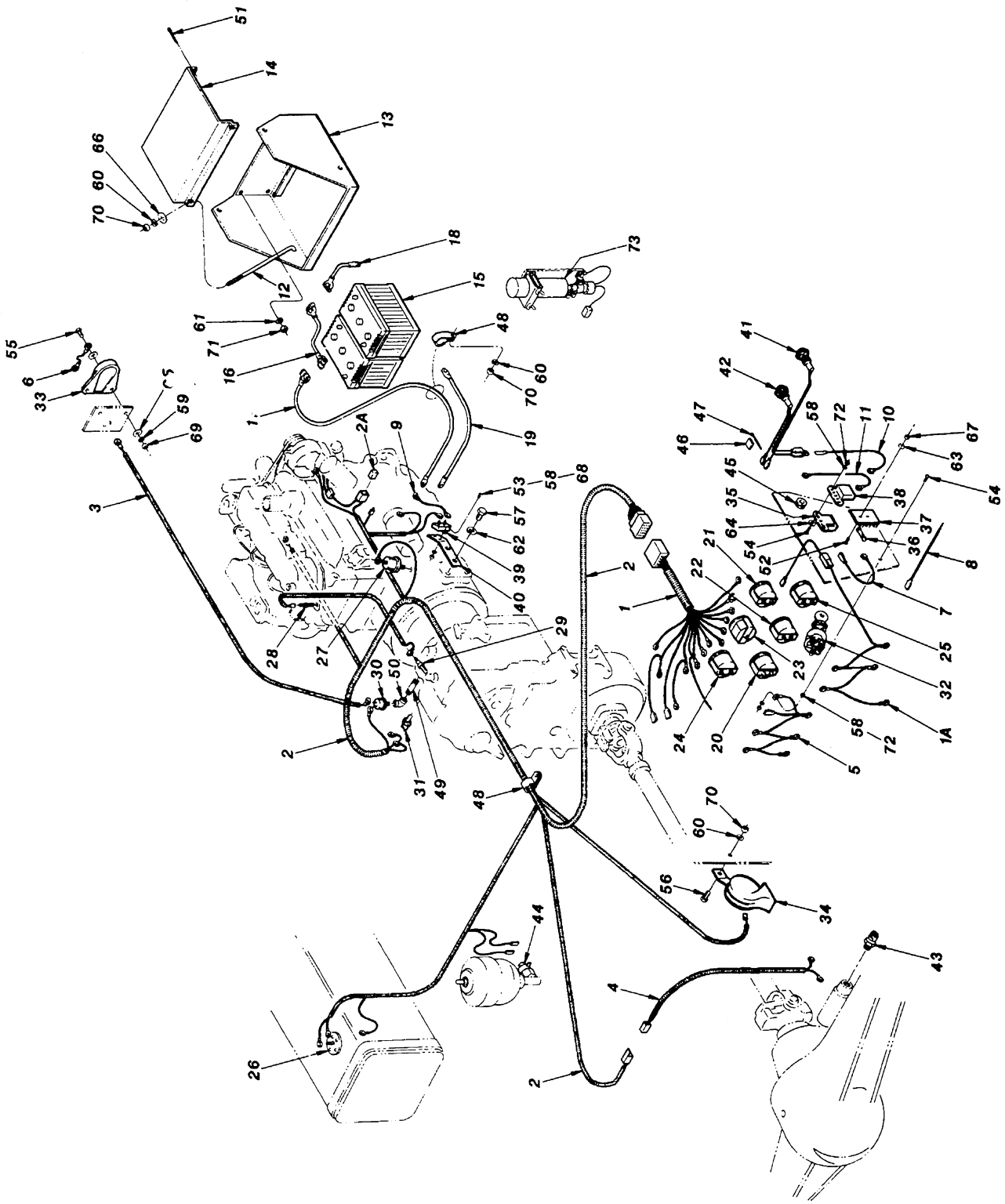



**Figure 18363-4**

## 18363-4 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19099 | Wire Harness | 1 | 1695 – 2076, 2078 – 2179 | Upper |
| 1A | P26072 | Wires | 1 | " – " | Gauges - Power |
| 2 | P21657 | Wire Harness | 1 | " – " | Lower |
| 2A | P21787 | Diode Module | 1 | " – " | |
| 3 | P19102 | Wire Harness | 1 | " – " | Backup Alarm |
| 4 | P26483 | Wire Harness | 1 | " – " | Diff. Lock Switch |
| 5 | P19284 | Wires | 1 | " – " | Gauges - Ground |
| 6 | P27504 | Wire | 1 | " – " | Backup Alarm to Ground (Black - 16) |
| 7 | P27506 | Wire | 1 | " – " | Fuse Block to Relay (Red - 14) |
| 8 | P27508 | Wire | 1 | " – " | Horn Button to Relay (Black - 16) |
| 9 | P27512 | Wire | 1 | 1861 – 2076, 2078 – 2179 | Circuit Breaker to Solenoid (Violet - 12) |
| 10 | P27513 | Wire | 1 | 1861 – 2076, 2078 – 2179 | Indicator Light to Ground (Black - 14) |
| | P27511 | Wire | 1 | 101 – 1860 | Indicator Light to Ground (Black - 14) |
| 11 | P27514 | Wire | 1 | 1695 – 2076, 2078 – 2179 | Brake Buzzer to Ground (Black - 14) |
| 12 | 16357A | Rod, Hold Down | 2 | 1861 – 2076, 2078 – 2179 | |
| 13 | 21977C | Battery Box | 1 | 1695 – 2076, 2078 – 2179 | |
| 14 | 21976B | Battery Box Cover | 1 | " – " | |
| 15 | — | Battery, 6 Volt | 2 | " – " | 900 CCA, Group 4 |
| 16 | P18122 | Battery Cable | 1 | " – " | Negative To Positive |
| 17 | P19833 | Battery Cable | 1 | " – " | Positive |
| 18 | P19834 | Battery Cable | 1 | " – " | Negative |
| 19 | P19835 | Battery Cable | 1 | " – " | Ground |
| 20 | P23214 | Gauge, Fuel | 1 | " – " | |
| 21 | P23216 | Gauge, Oil Pressure | 1 | " – " | |
| 22 | P23218 | Gauge, Ammeter | 1 | " – " | |
| 23 | P23219 | Gauge, Hourmeter | 1 | " – " | |
| 24 | P23220 | Gauge, Trans. Oil Temp. | 1 | " – " | |
| 25 | P23221 | Gauge, Water Temp. | 1 | " – " | |
| 26 | P23215 | Sender, Fuel | 1 | " – " | |
| 27 | P23217 | Sender, Oil Pressure | 1 | " – " | |
| 28 | P23222 | Sender, Water Temp. | 1 | " – " | |
| 29 | P19472 | Sender, Trans. Oil Temp. | 1 | " – " | |
| 30 | P19105 | Switch, Backup | 1 | " – " | |
| 31 | P18673 | Switch, Neutral Start | 1 | " – " | |
| 32 | P11092 | Switch, Ignition | 1 | " – " | |
| 33 | P13774 | Backup Alarm | 1 | " – " | |
| 34 | P13707 | Horn | 1 | " – " | |
| 35 | P13709 | Horn Relay | 1 | " – " | |
| 36 | P19203 | Fuse, AGC - 30 AMP | 2 | " – " | |
| 37 | P24349 | Fuse Block | 1 | " – " | |
| 38 | P27307 | Buzzer, Brake Pressure Warning | 1 | 1861 – 2076, 2078 – 2179 | |

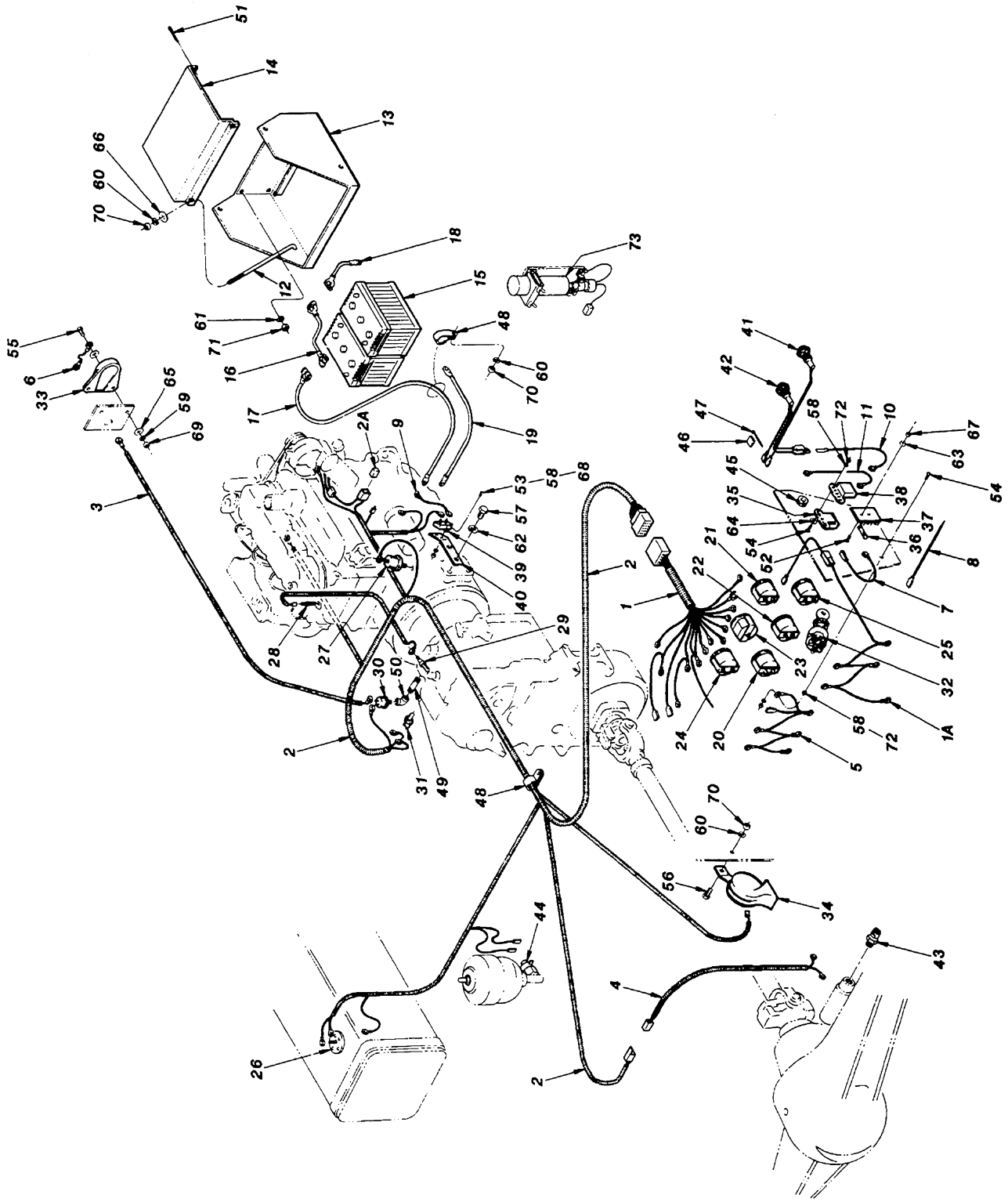



Figure 18363-4

## 18363-4 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 39 | P27315 | Circuit Breaker | 1 | 1861 – 2076, 2078 – 2179 | |
| 40 | 24879A | Mounting Bracket, Circuit Breaker | 1 | 1861 – 2076, 2078 – 2179 | |
| 41 | 24853A | Indicator Light, Amber | 1 | 1695 – 2076, 2078 – 2179 | Diff. Lock |
| 42 | 24854A | Indicator Light, Red | 1 | 1861 – 2076, 2078 – 2179 | Brake Pressure |
| 43 | P26180 | Switch, Differential Lock | 1 | 1695 – 2076, 2078 – 2179 | |
| 44 | P27308 | Switch, Brake Pressure | 1 | 1695 – 2076, 2078 – 2179 | |
| 45 | P24347 | Grommet, Rubber | 1 | 1695 – 2076, 2078 – 2179 | |
| 46 | P27600 | Mount, Ty-Wrap | 2 | 1861 – 2076, 2078 – 2179 | |
| 47 | P17989 | Ty-Wrap | A/R | 1861 – 2076, 2078 – 2179 | |
| 48 | P17554 | Clamp, Harness & Battery Cable | 4 | 1695 – 2076, 2078 – 2179 | |
| 49 | P10889 | Nipple, Pipe | 1 | " – " | |
| 50 | P10223 | 90° Elbow, Pipe | 1 | " – " | |
| 51 | P03823 | Cotter Pin | 4 | " – " | 3/32" x 3/4" |
| 52 | P02016 | Screw, Slotted Rd. Hd. | 2 | " – " | #6-32 x 1/2" |
| 53 | P02054 | Screw, Slotted Rd. Hd. | 2 | " – " | #10-24 x 1/2" |
| 54 | P02079 | Screw, Slotted Rd. Hd. | 3 | " – " | #10-32 x 1/2" |
| 55 | P00003 | Bolt, Hx. | 2 | " – " | 1/4"-20 x 3/4" |
| 56 | P00100 | Bolt, Hx. | 1 | " – " | 5/16"-18 x 1/2" |
| 57 | P00401 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 3/4" |
| 58 | P01306 | Lockwasher | 5 | " – " | #10 |
| 59 | P01308 | Lockwasher | 2 | " – " | 1/4" |
| 60 | P01309 | Lockwasher | 7 | " – " | 5/16" |
| 61 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 62 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 63 | P01353 | Starwasher | 2 | " – " | #6 |
| 64 | P01400 | Flatwasher | 2 | " – " | #10 |
| 65 | P01402 | Flatwasher | 4 | " – " | 1/4" |
| 66 | P01403 | Flatwasher | 2 | " – " | 5/16" |
| 67 | P01502 | Nut, Hx. | 2 | " – " | #6-32 |
| 68 | P01504 | Nut, Hx. | 2 | " – " | #10-24 |
| 69 | P01506 | Nut, Hx. | 2 | " – " | 1/4"-20 |
| 70 | P01507 | Nut, Hx. | 8 | " – " | 5/16"-18 |
| 71 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 72 | P01528 | Nut, Hx. | 4 | " – " | #10-32 |
| 73 | P21422 | Quick Start | 1 | " – " | Cylinder Not Included |
| NI | N.L.A | Cylinder, Refill | – | " – " | Obtain Locally |
| NI | P26323 | Switch, Quick Start | 1 | " – " | |
| NI | 20844B | Engine Block Heater Kit, 1000 Watts | – | " – " | Optional |

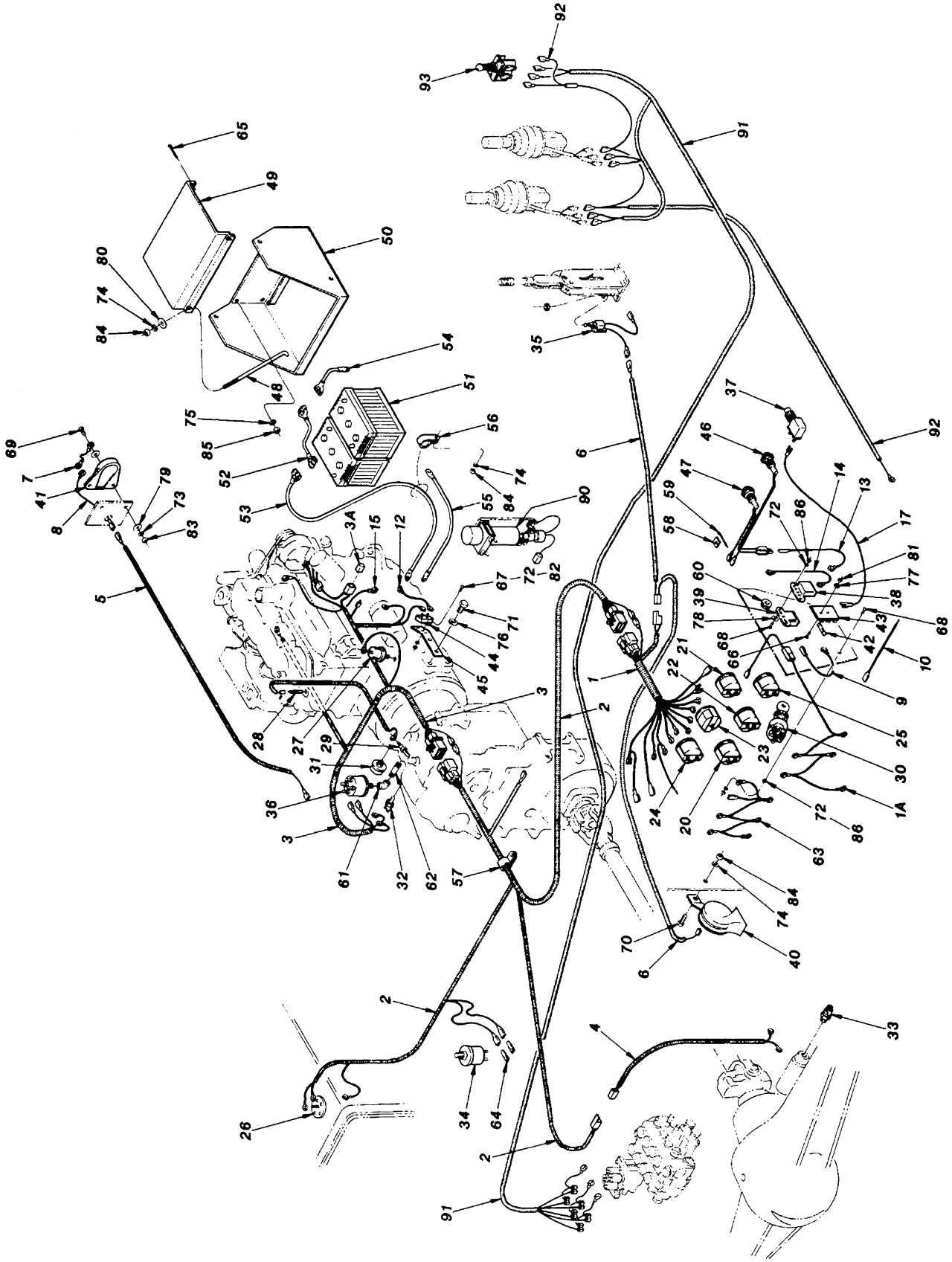



Figure 18363-5

## 18363-5 (1 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P27784 | Wire Harness | 1 | 2077, 2180 – | Upper |
| 1A | P26072 | Wires | 1 | " – " | Gauges - Power |
| 2 | P27789 | Wire Harness | 1 | " – " | Intermediate |
| 3 | P27790 | Wire Harness | 1 | " – " | Lower |
| 3A | P21787 | Diode Module | 1 | " – " | |
| 4 | P26483 | Wire Harness | 1 | " – " | Diff. Lock Switch |
| 5 | P19102 | Wire Harness | 1 | " – " | Backup Alarm |
| 6 | P28697 | Wire Harness | 1 | 2420 – | Parking Brake/Horn |
| 7 | P27504 | Wire | 1 | 2077, 2180 – | Backup Alarm to Ground (Black - 16) |
| 8 | P27505 | Wire | 1 | " – " | Jumper/Backup Alarm (Red - 14) |
| 9 | P27506 | Wire | 1 | " – " | Fuse Block to Relay (Red - 14) |
| 10 | P27508 | Wire | 1 | " – " | Horn Button to Relay (Black - 16) |
| NI | P27507 | Wire | 1 | " – " | Cold Start to Fuse Block (Blue - 14) |
| 12 | P27512 | Wire | 1 | " – " | Circuit Breaker to Solenoid (Violet - 12) |
| 13 | P27513 | Wire | 1 | " – " | Indicator Light to Ground (Black - 14) |
| 14 | P27514 | Wire | 1 | " – " | Brake Buzzer to Ground (Black - 14) |
| 15 | P27525 | Wire | 1 | " – " | Alternator to Starter (Red - 6) |
| NI | P27541 | Wire | 1 | " – " | Voltmeter to Fuse Block (Red - 14) |
| 17 | P28550 | Wire | 1 | 2420 – | Buzzer/Light to Fuse Block (Red - 14) |
| NI | P28555 | Wire | 2 | 2457, 2466 – | Pressure Switch to Switch (White - 14) |
| NI | P28556 | Wire | 1 | 2457, 2466 – | Switch to Ground (White - 14) |
| 20 | P23214 | Gauge, Fuel | 1 | 2077, 2180 – | |
| 21 | P23216 | Gauge, Oil Pressure | 1 | " – " | |
| 22 | P27820 | Gauge, Voltmeter | 1 | " – " | |
| 23 | P23219 | Gauge, Hourmeter | 1 | " – " | |
| 24 | P23220 | Gauge, Trans. Oil Temp. | 1 | " – " | |
| 25 | P23221 | Gauge, Water Temp. | 1 | " – " | |
| 26 | P23215 | Sender, Fuel | 1 | " – " | |
| 27 | P23217 | Sender, Oil Pressure | 1 | " – " | |
| 28 | P23222 | Sender, Water Temp. | 1 | " – " | |
| 29 | P19472 | Sender, Trans. Oil Temp. | 1 | " – " | |
| 30 | P11092 | Switch, Ignition | 1 | " – " | |
| 31 | P19105 | Switch, Pressure - S.P.S.T. | 1 | " – " | |
| 32 | P18673 | Switch, Neutral Start | 1 | " – " | |
| 33 | P26180 | Switch, Differential Lock | 1 | " – " | |
| 34 | P40136 | Switch, Brake Pressure | 1 | 2784 – | |
| | P27308 | Switch, Brake Pressure | 1 | 2077, 2180 – 2783 | Mounted on Accumulator |
| 35 | P28714 | Switch, Parking Brake | 1 | 2420 – | |
| 36 | P28721 | Switch, Pressure - D.P.S.T. | 1 | 2457, 2466 – | |
| 37 | P28456 | Buzzer/Light, Parking Brake | 1 | 2420 – | |
| 38 | P27307 | Buzzer, Brake Pressure Warning | 1 | 2077, 2180 – | |
| 39 | P13709 | Horn Relay | 1 | " – " | |

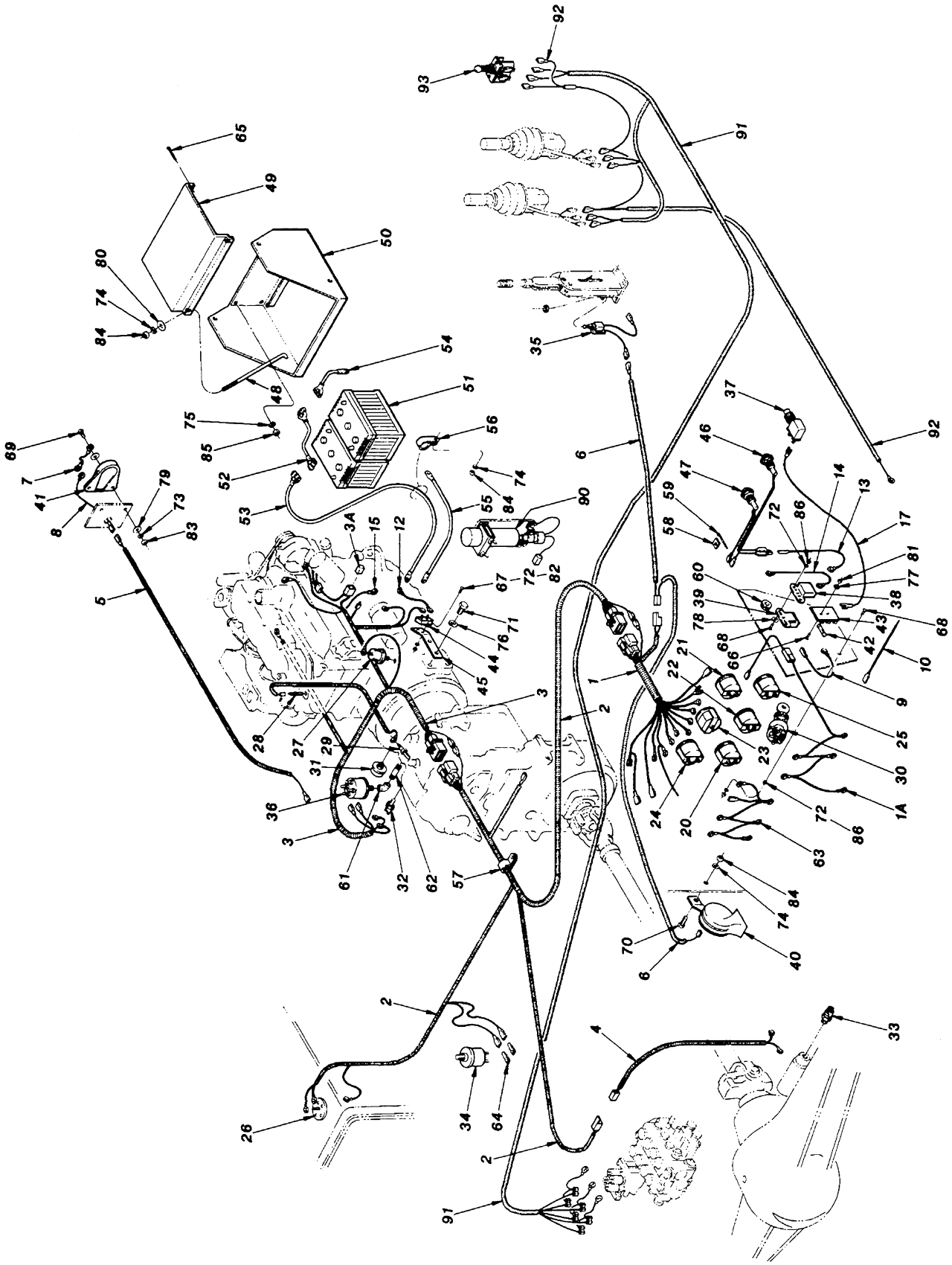



Figure 18363-5

## 18363-5 (2 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 40 | P13707 | Horn | 1 | " – " | |
| 41 | P13774 | Backup Alarm | 1 | " – " | |
| 42 | P19203 | Fuse, AGC - 30 AMP | 3 | " – " | |
| 43 | P24349 | Fuse Block | 1 | " – " | |
| 44 | P27315 | Circuit Breaker | 1 | " – " | |
| 45 | 24879A | Mounting Bracket, Circuit Breaker | 1 | " – " | |
| 46 | 24853A | Indicator Light | 1 | " – " | Amber (Diff. Lock) |
| 47 | 24854A | Indicator Light | 1 | " – " | Red (Brake Pressure) |
| 48 | 16357A | Rod, Hold Down | 2 | " – " | |
| 49 | 21976B | Cover, Battery Box | 1 | " – " | |
| 50 | 21977C | Battery Box | 1 | " – " | |
| 51 | — | Battery, 6 Volt | 2 | " – " | 900 CCA, Group 4 |
| 52 | P18122 | Battery Cable | 1 | " – " | Negative to Positive |
| 53 | P19833 | Battery Cable | 1 | " – " | Positive |
| 54 | P19834 | Battery Cable | 1 | " – " | Negative |
| 55 | P19835 | Battery Cable | 1 | " – " | Ground |
| 56 | P17554 | Clamp, Battery Cable & Harness | 4 | " – " | |
| 57 | P17553 | Clamp, Harness | 1 | " – " | |
| 58 | P27600 | Mount, Ty-Wrap | 2 | " – " | |
| 59 | P17989 | Ty-Wrap | A/R | " – " | |
| 60 | P24347 | Rubber Grommet | 2 | " – " | |
| 61 | P10223 | 90° Elbow, Pipe | 1 | " – " | |
| 62 | P10889 | Nipple, Pipe | 1 | " – " | |
| 63 | P19284 | Wires, Gauges - Ground | 1 | " – " | |
| 64 | P27803 | Terminal Adaptor Tab, Male Push - On | 8 | " – " | |
| 65 | P03823 | Cotter Pin | 4 | " – " | 3/32" x 3/4" |
| 66 | P02016 | Screw, Slotted Rd. Hd. | 2 | " – " | #6-32 x 1/2" |
| 67 | P02054 | Screw, Slotted Rd. Hd. | 2 | " – " | #10-24 x 1/2" |
| 68 | P02079 | Screw, Slotted Rd. Hd. | 3 | " – " | #10-32 x 1/2" |
| 69 | P00003 | Bolt, Hx. | 2 | " – " | 1/4"-20 x 3/4" |
| 70 | P00100 | Bolt, Hx. | 1 | " – " | 5/16"-18 x 1/2" |
| 71 | P00401 | Bolt, Hx. | 2 | " – " | 1/2"-13 x 3/4" |
| 72 | P01306 | Lockwasher | 5 | " – " | #10 |
| 73 | P01308 | Lockwasher | 2 | " – " | 1/4" |
| 74 | P01309 | Lockwasher | 7 | " – " | 5/16" |
| 75 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 76 | P01312 | Lockwasher | 2 | " – " | 1/2" |
| 77 | P01353 | Starwasher | 2 | " – " | #6 |
| 78 | P01400 | Flatwasher | 2 | " – " | #10 |
| 79 | P01402 | Flatwasher | 4 | " – " | 1/4" |
| 80 | P01403 | Flatwasher | 2 | " – " | 5/16" |
| 81 | P01502 | Nut, Hx. | 2 | " – " | #6-32 |
| 82 | P01504 | Nut, Hx. | 2 | " – " | #10-24 |
| 83 | P01506 | Nut, Hx. | 2 | " – " | 1/4"-20 |
| 84 | P01507 | Nut, Hx. | 8 | " – " | 5/16"-18 |
| 85 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 86 | P01528 | Nut, Hx. | 4 | " – " | #10-32 |

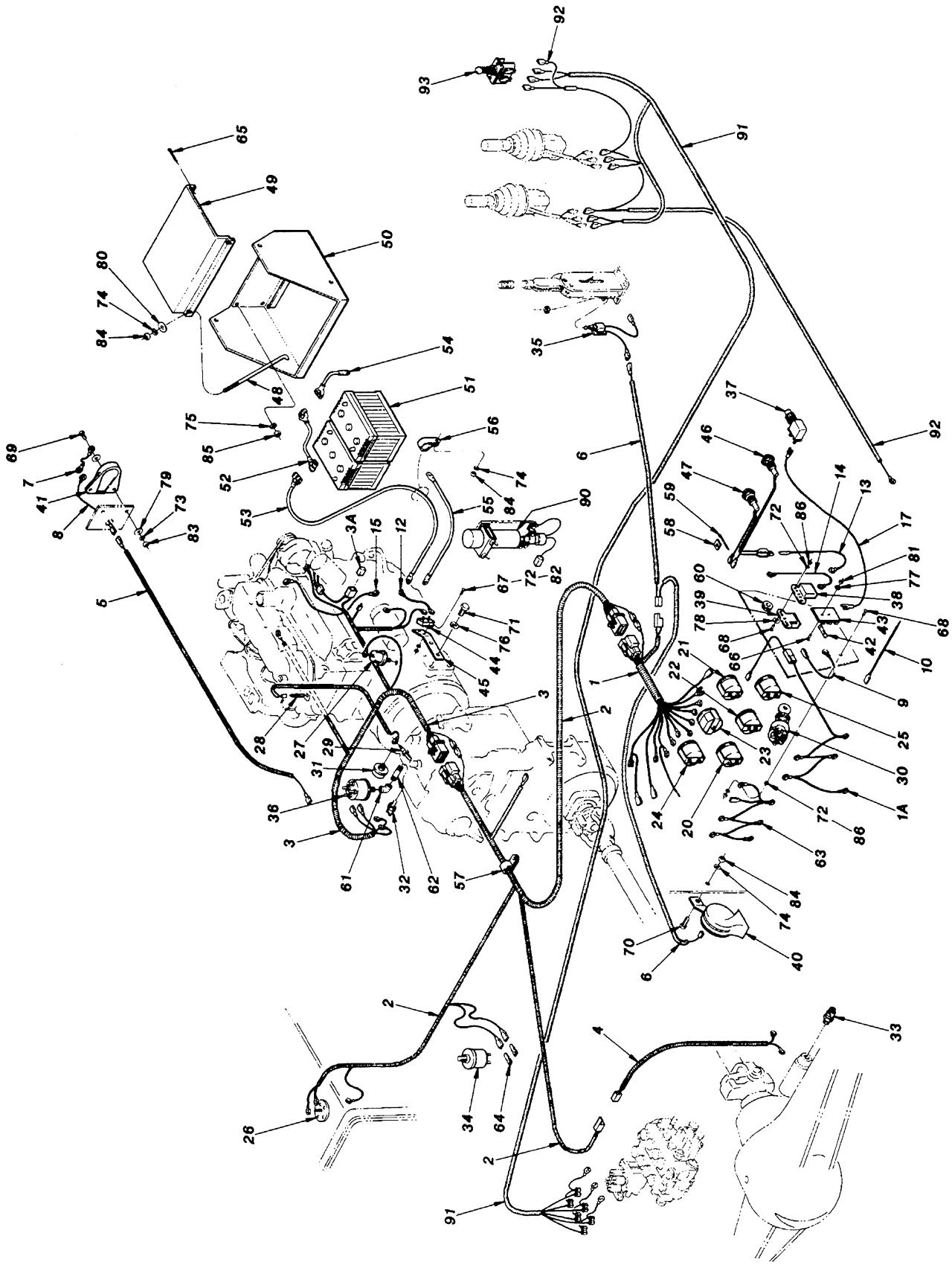



Figure 18363-5

## 18363-5 (3 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 90 | P21422 | Quick Start | 1 | " – " | Cylinder Not Included |
| NI | N.L.A. | Cylinder, Refill | – | " – " | Obtain Locally |
| NI | P26323 | Switch, Quick Start | – | " – " | |
| 91 | P29097 | Wire Harness | 1 | 2784 – | Joystick - Control |
| 92 | P29708 | Wire Harness | 1 | 2784 – | Joystick - Power |
| 93 | P29695 | Controller, Frame Tilt | 1 | 2784 – | |
| NI | 20844B | Engine Block Heater Kit, 1000 Watts | – | | Optional |

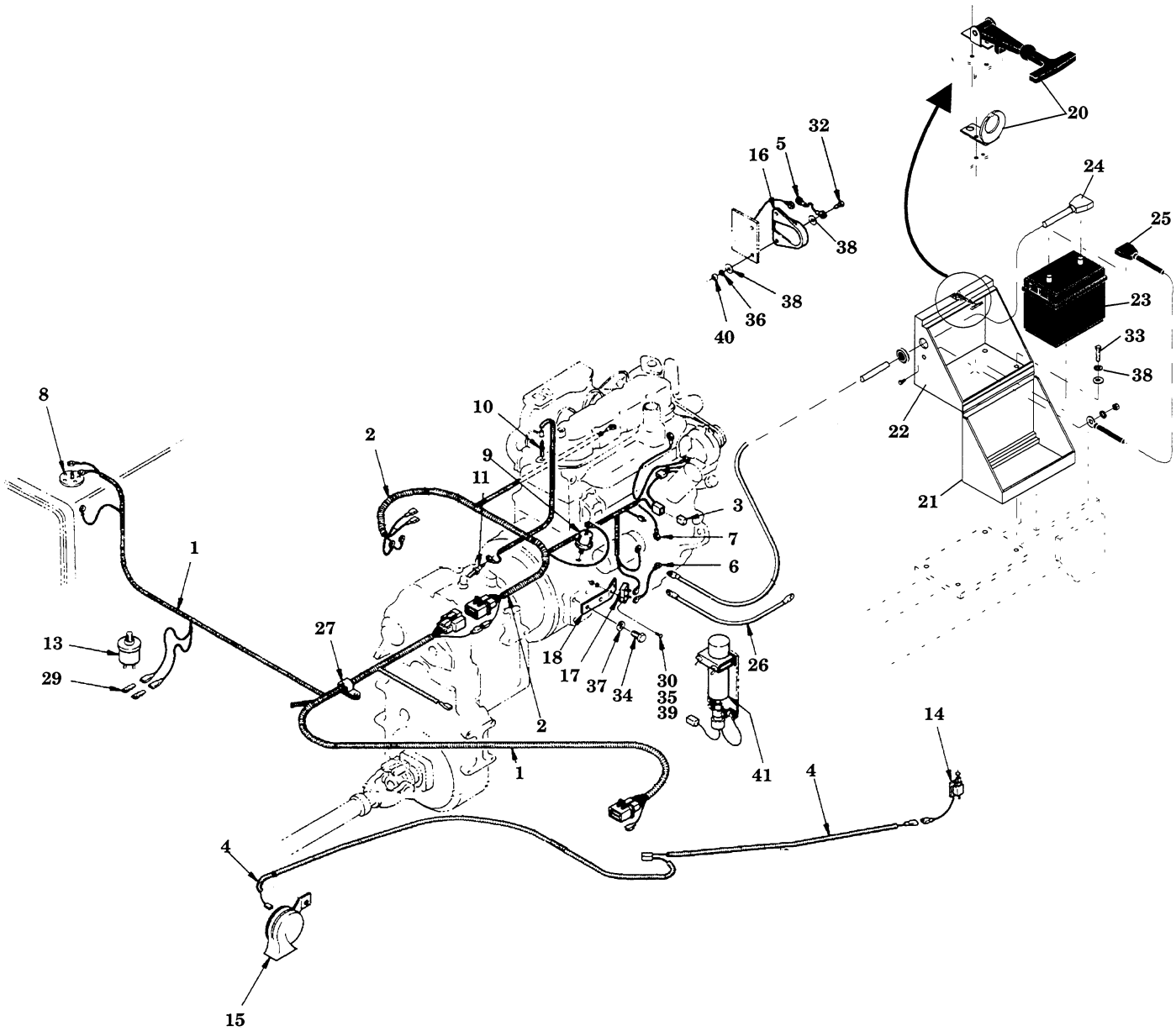



**Figure 18363-6**

## 18363-6 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31659 | Wire Harness | 1 | ..... | Intermediate |
| 2 | P31660 | Wire Harness | 1 | ..... | Lower |
| 3 | P21787 | Diode Module | 1 | ..... | |
| 4 | P29208C | Wire Harness | 1 | ..... | Parking Brake/Horn |
| 5 | P27504 | Wire | 1 | ..... | Backup Alarm to Ground (Black - 16) |
| NI | P27507 | Wire | 1 | ..... | Cold Start to Fuse Block (Blue - 14) |
| 6 | P28568 | Wire | 1 | ..... | Circuit Breaker to Solenoid (Violet - 12) |
| 7 | P27525 | Wire | 1 | ..... | Alternator to Starter (Red - 6) |
| 8 | P23215 | Sender, Fuel | 1 | ..... | |
| 9 | P23217 | Sender, Oil Pressure | 1 | ..... | |
| 10 | P23222 | Sender, Water Temp. | 1 | ..... | |
| 11 | P19472 | Sender, Trans. Oil Temp. | 1 | ..... | |
| 12 | P40137 | Switch, Pressure | 1 | ..... | |
| 13 | P40136 | Switch, Brake Pressure | 1 | ..... | |
| 14 | P31002 | Switch, Pressure, Parking Brake | 1 | ..... | |
| 15 | P13707 | Horn | 1 | ..... | |
| 16 | P13774 | Backup Alarm | 1 | ..... | |
| 17 | P27315 | Circuit Breaker | 1 | ..... | |
| 18 | 24880A | Mounting Bracket, Circuit Breaker | 1 | ..... | |
| NI | 35322B | Cover, Transmission Control Box | 1 | ..... | |
| 20 | P26248 | Draw Latch | 2 | ..... | |
| NI | P02057 | Screw, Slotted Rd. Hd. | 4 | ..... | #10-32 x 3/4", Draw Latch |
| 21 | 32293C | Cover, Battery Box | 1 | ..... | |
| 22 | 32290C | Battery Box | 1 | ..... | |
| 23 | — | Battery, 12 Volt | 1 | ..... | Champion P/N PC-31-1050A or Equiv. |
| 24 | P30146 | Battery Cable | 1 | ..... | Positive |
| 25 | P19834 | Battery Cable | 1 | ..... | Negative |
| 26 | P19835 | Battery Cable | 1 | ..... | Ground |
| 27 | P17553 | Clamp, Harness | 1 | ..... | |
| NI | P17989 | Ty-Wrap | A/R | ..... | |
| 29 | P27803 | Terminal Adaptor Tab, Male Push - On | 5 | ..... | |
| 30 | P02054 | Screw, Slotted Rd. Hd. | 7 | ..... | #10-24 x 1/2" |
| 32 | P00003 | Bolt, Hx. | 2 | ..... | 1/4"-20 x 3/4" |
| 33 | P00001 | Bolt, Hx. | 4 | ..... | 1/4"-20 x 1/2" |
| 34 | P00200 | Bolt, Hx. | 1 | ..... | 3/8"-16 x 1/2" |
| 35 | P01306 | Lockwasher | 11 | ..... | #10 |
| 36 | P01308 | Lockwasher | 8 | ..... | 1/4" |
| 37 | P01310 | Lockwasher | 1 | ..... | 3/8" |
| 38 | P01402 | Flatwasher | 2 | ..... | 1/4" |
| 39 | P01504 | Nut, Hx. | 11 | ..... | #10-24 |

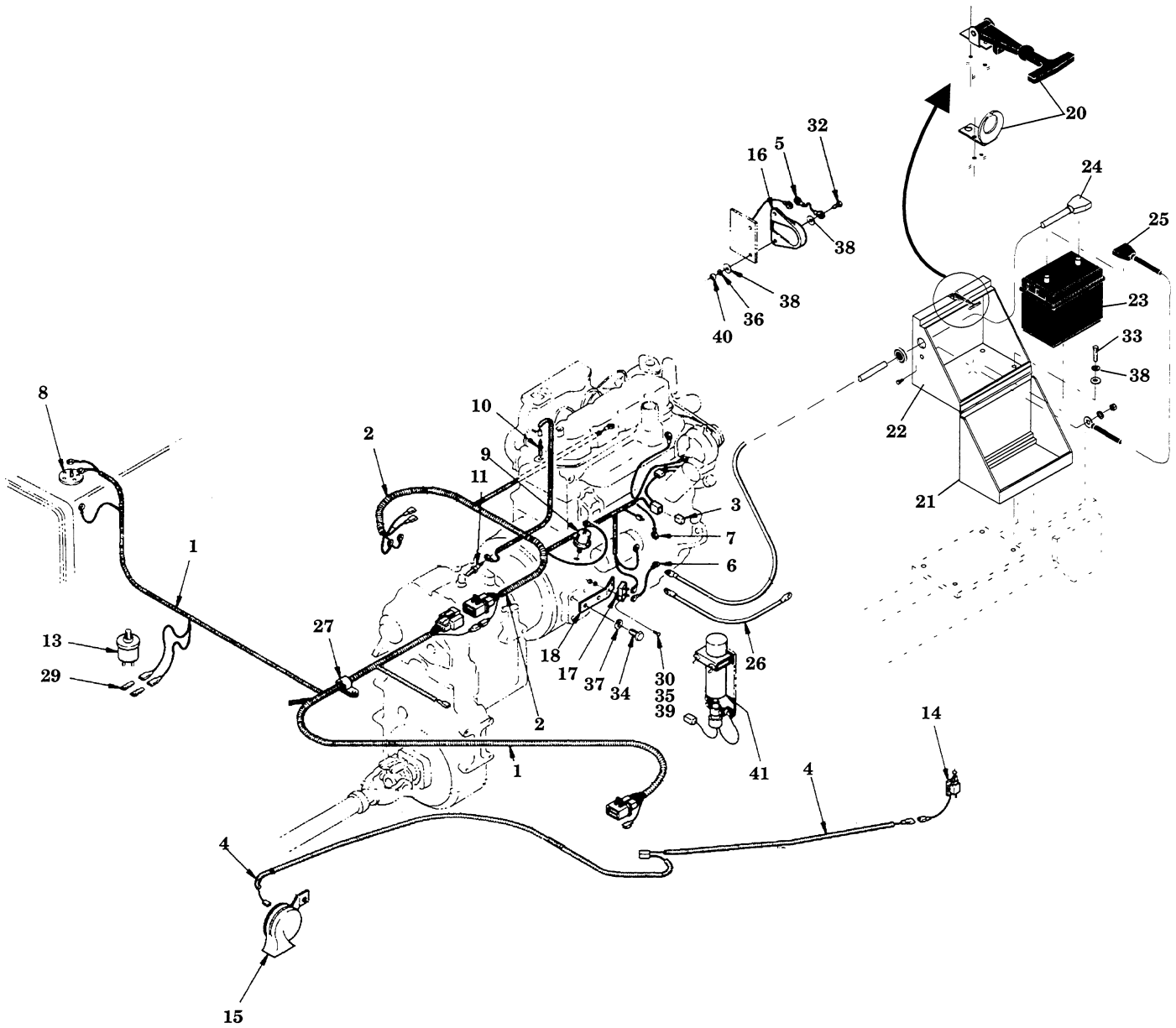



**Figure 18363-6**

## 18363-6 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 40 | P01506 | Nut, Hx. | 6 | ..... | 1/4"-20 |
| 41 | P21422 | Quick Start | 1 | ..... | Cylinder Not Included |
| NI | N.L.A. | Cylinder, Refill | – | ..... | Obtain Locally |
| NI | P26323 | Switch, Quick Start | – | ..... | |
| NI | 20844B | Engine Block Heater Kit, 1000 Watts | – | ..... | Optional |

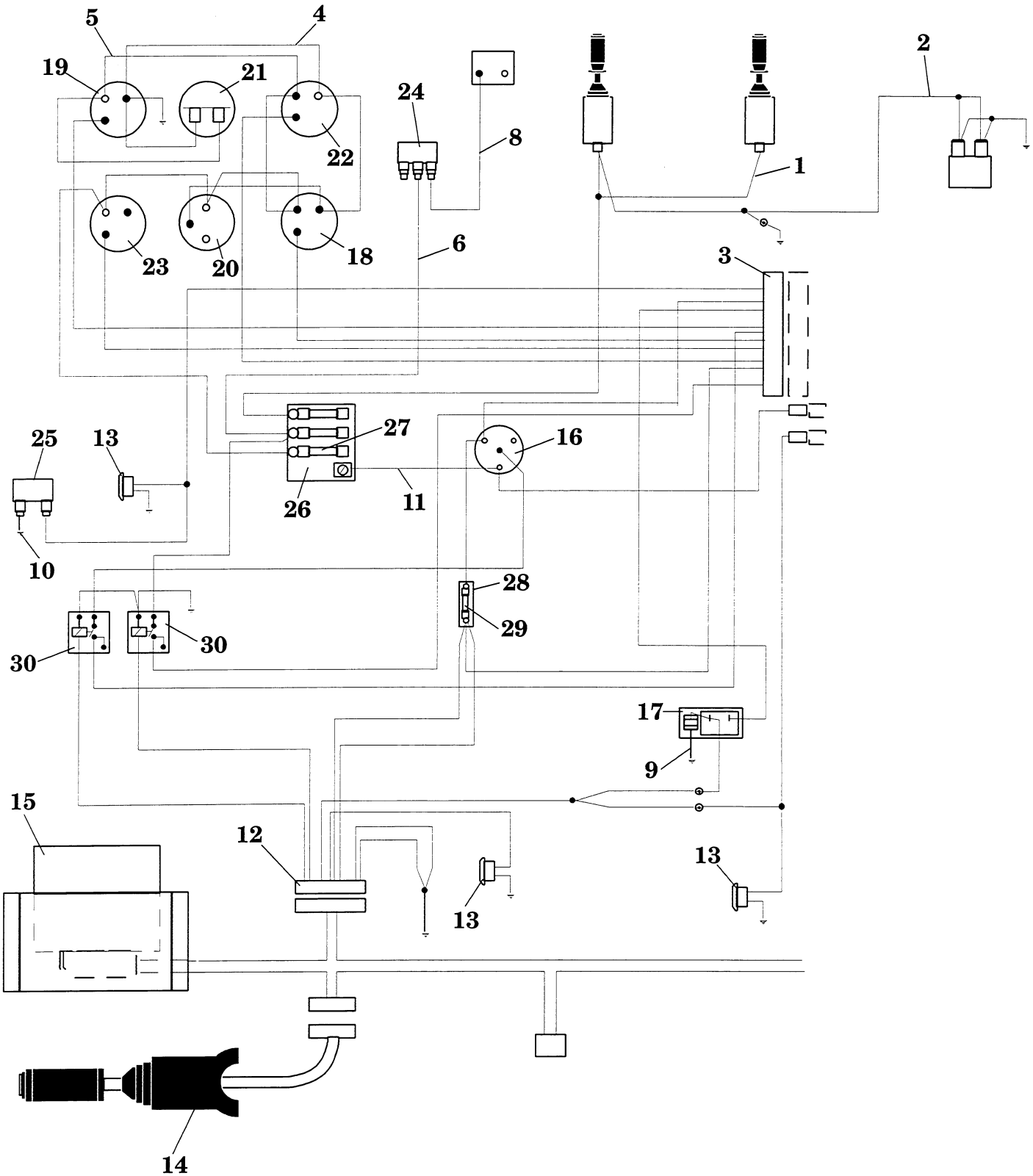



Figure 29945

## 29945 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P31683 | Wire Harness, Joystick—Power | 1 | ..... | |
| 2 | P31685 | Wire Harness, Joystick to Solenoid | 1 | ..... | |
| 3 | P31658 | Wire Harness, Upper | 1 | ..... | |
| 4 | P19284 | Wire Harness, Gauges—Ground | 1 | ..... | Black 14 GA. |
| 5 | P27919 | Wire Harness, Gauges—Power | 1 | ..... | Red 14 GA. |
| 6 | P28597 | Wire, Horn Relay to Fuse Block | 1 | ..... | Red 14 GA. |
| NI | P27507 | Wire, Cold Start to Fuse Block | A/R | ..... | Blue 14 GA. |
| 8 | P27508 | Wire, Horn Button to Relay | 1 | ..... | Black 16 GA. |
| 9 | P31664 | Wire, Brake Disconnect Sw. to Ground | 1 | ..... | Black 14 GA. |
| 10 | P27514 | Wire, Brake Buzzer to Ground | 1 | ..... | Black 14 GA. |
| 11 | P31666 | Wire, Fuse Block to Ignition Switch | 1 | ..... | Red 12 GA. |
| 12 | 35606D | Wire Harness, Dash, ZF Transmission | 1 | ..... | |
| NI | P02054 | Screw, Slotted Rd. Hd., Ground Wire | 3 | ..... | #10-24 x 1/2" |
| NI | P01306 | Lockwasher, Ground Wire | 3 | ..... | #10-24 |
| NI | P01504 | Nut, Hx., Ground Wire | 3 | ..... | #10-24 |
| 13 | 35410A | Indicator Light, Red | 3 | ..... | |
| 14 | 35367A | Shift Selector, ZF Transmission | 1 | ..... | |
| NI | 34667A | Pad, Rubber | 1 | ..... | |
| 15 | P31564 | Controller, ZF Transmission | 1 | ..... | |
| 16 | P11092 | Switch, Ignition | 1 | ..... | |
| 17 | P30959 | Switch, Brake Disconnect | 1 | ..... | |
| 18 | P23214 | Gauge, Fuel | 1 | ..... | |
| 19 | P23216 | Gauge, Oil Pressure | 1 | ..... | |
| 20 | P27820 | Gauge, Voltmeter | 1 | ..... | |
| 21 | P23219 | Gauge, Hourmeter | 1 | ..... | |
| 22 | P23220 | Gauge, Trans. Oil Temp. | 1 | ..... | |
| 23 | P23221 | Gauge, Water Temp. | 1 | ..... | |
| 24 | P13709 | Horn Relay | 1 | ..... | |
| 25 | P27307 | Buzzer, Brake Pressure Warning | 1 | ..... | |
| NI | P02057 | Screw, Slotted Rd. Hd., Horn Relay/Buzzer Mtg. | 2 | ..... | #10-24 x 3/4" |
| NI | P01400 | Flatwasher, Horn Relay/Buzzer Mtg. | 4 | ..... | #10 |
| NI | P01306 | Lockwasher, Horn Relay/Buzzer Mtg. | 2 | ..... | #10 |
| NI | P01504 | Nut, Hx., Horn Relay/Buzzer Mtg. | 2 | ..... | #10-24 |
| 26 | P24349 | Fuse Block, Triple | 1 | ..... | |

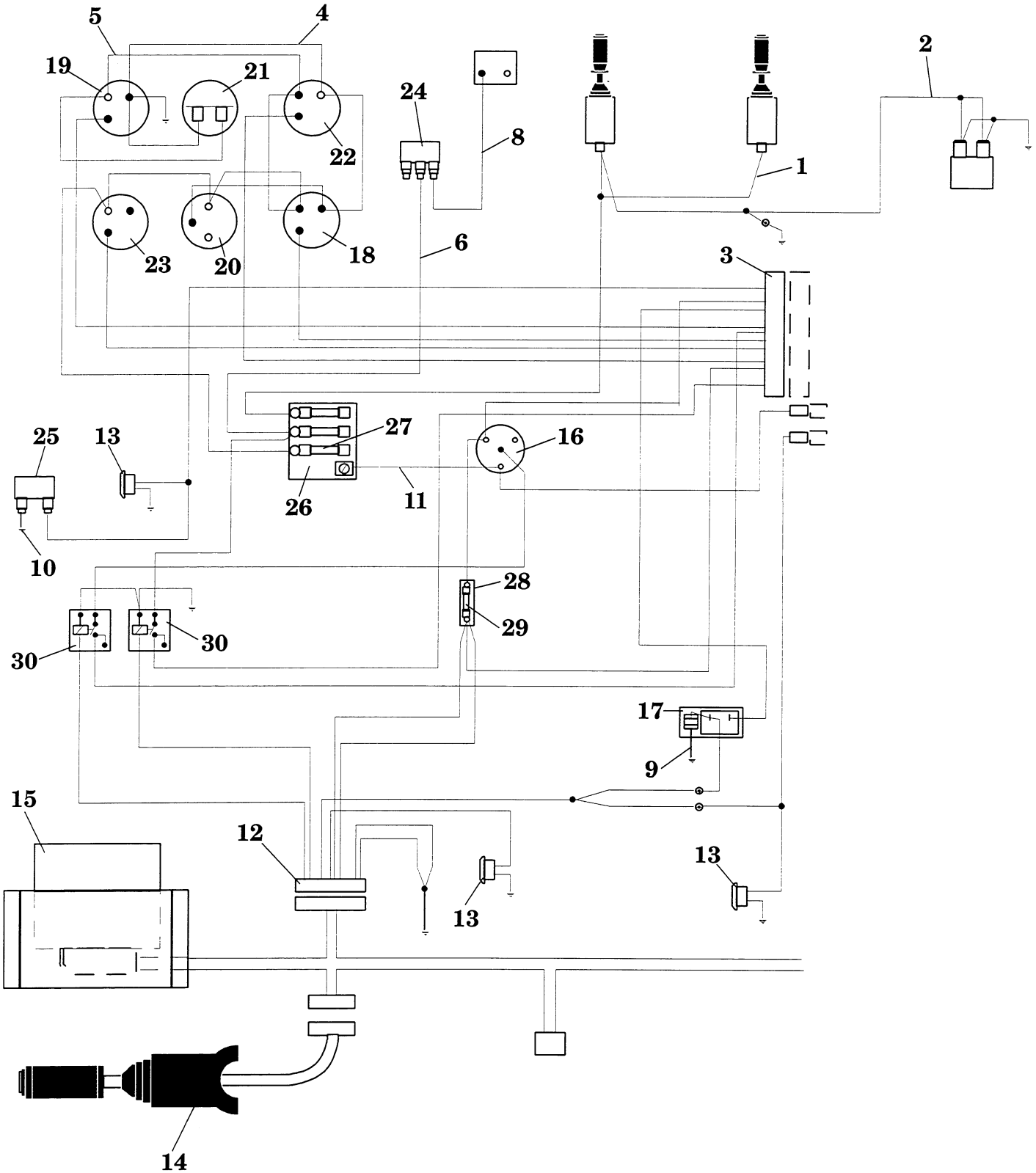



Figure 29945

## 29945 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 27 | P19203 | Fuse | 3 | ..... | AGC 30 Amp |
| NI | P02016 | Screw, Slotted Rd. Hd., Fuse Block Mtg. | 2 | ..... | #6-32 x 1/2" |
| NI | P01353 | Starwasher, Fuse Block Mtg. | 2 | ..... | #6 |
| NI | P01502 | Nut, Hx., Fuse Block Mtg. | 2 | ..... | #6 |
| 28 | P31580 | Fuse Block, Single | 2 | ..... | |
| 29 | P25495 | Fuse | 1 | ..... | AGC 8 Amp |
| NI | P02016 | Screw, Slotted Rd. Hd., Fuse Block Mtg. | 2 | ..... | #6-32 x 1/2" |
| NI | P01353 | Starwasher, Fuse Block Mtg. | 2 | ..... | #6 |
| NI | P01502 | Nut, Hx., Fuse Block Mtg. | 2 | ..... | #6 |
| NI | P17989 | Ty-Wrap | 10 | ..... | |
| NI | P27600 | Mount Ty-Wrap | 1 | ..... | |
| NI | P17553 | Clamp | 1 | ..... | |
| NI | P02057 | Screw, Slotted Rd. Hd., Clamp Mtg. | 1 | ..... | #10-24 x 3/4" |
| NI | P01306 | Lockwasher, Clamp Mtg. | 1 | ..... | #10-24 |
| NI | P01504 | Nut, Hx., Clamp Mtg. | 1 | ..... | #10-24 |
| 30 | P30423 | Relay, Backup Alarm/Neutral Start | 2 | ..... | |
| NI | P02054 | Screw, Slotted Rd. Hd., Relay Mtg. | 2 | ..... | #10-24 x 1/2" |
| NI | P01400 | Flatwasher, Relay Mtg. | 2 | ..... | #10 |
| NI | P01306 | Lockwasher, Relay Mtg. | 2 | ..... | #10 |
| NI | P01504 | Nut, Hx., Relay Mtg. | 2 | ..... | #10-24 |
| NI | P24347 | Grommet, Rubber | 2 | ..... | 1/2" I.D. |

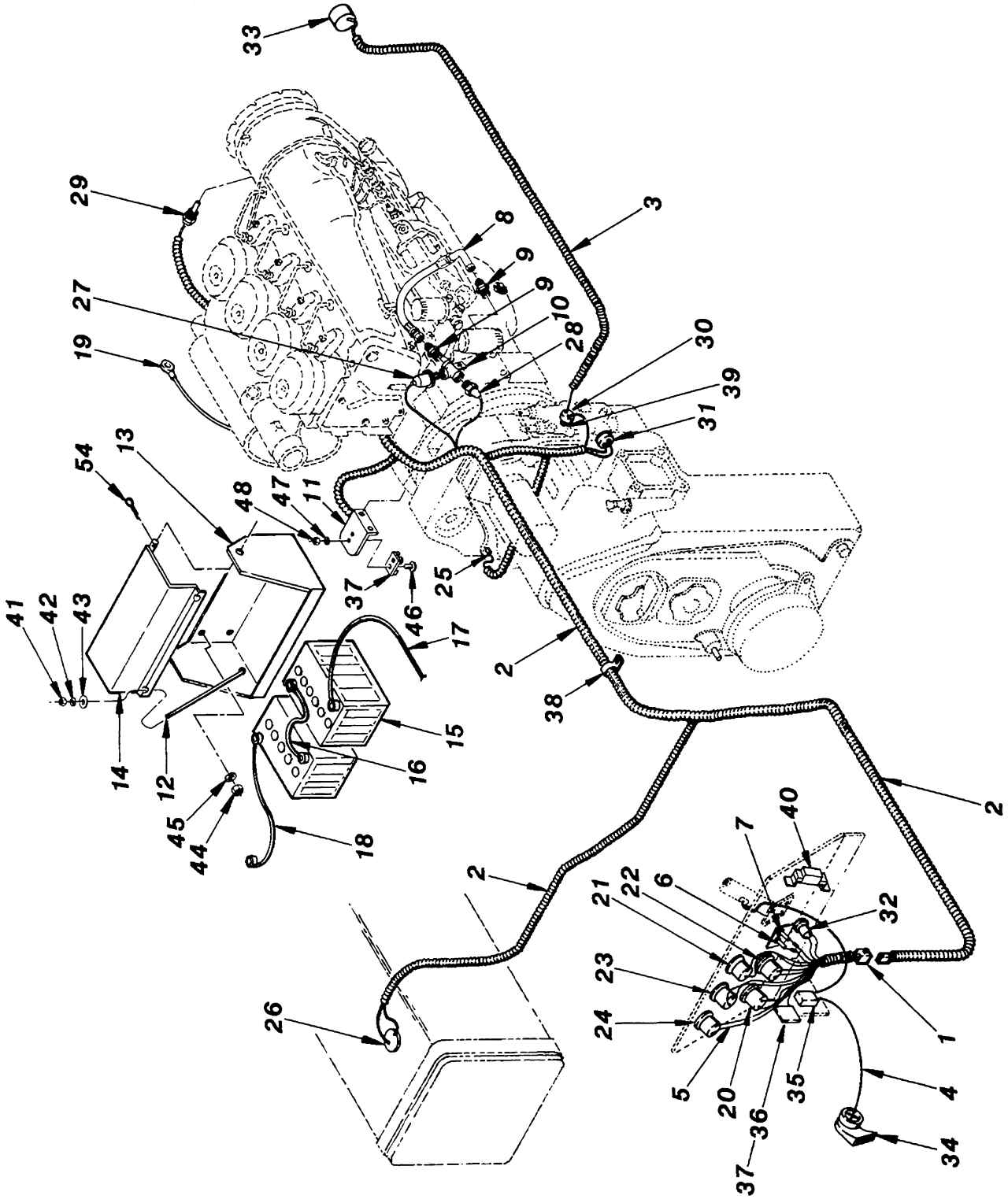



Figure 18364

## 18364 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P21559 | Wire Harness | 1 | ..... | Upper ❶ |
| 1A | 26153B | Wires | 1 | ..... | Gauges - Power |
| 2 | P21560 | Wire Harness | 1 | ..... | Lower ❶ |
| 3 | P19102 | Wire Harness | 1 | ..... | Backup Alarm |
| 4 | P19101 | Wires | 1 | ..... | Horn (3 Wires) |
| 5 | P19284 | Wires | 1 | ..... | Gauges - Ground |
| 6 | 25917A | Indicator Light, Oil | 1 | ..... | |
| 7 | P20970 | Indicator Light, Fan Belt | 1 | ..... | |
| 8 | P20408 | Hose, Oil Light | 1 | ..... | |
| 9 | P20866 | Connector, JIC - Pipe | 2 | ..... | |
| 10 | 17914A | Tee, Junction | 1 | ..... | |
| 11 | 16273A | Mounting Bracket, Fuse Block | 1 | ..... | |
| NI | P04201 | Bolt, Hx. | 2 | ..... | M12-1.75 x 20mm, Fuse Block Bracket Mounting |
| NI | P04609 | Lockwasher | 2 | ..... | M12, Fuse Block Bracket Mounting |
| 12 | 16357A | Rod, Hold Down | 2 | ..... | |
| 13 | 16344C | Battery Box | 1 | ..... | |
| 14 | 16355B | Battery Box Cover | 1 | ..... | |
| 15 | — | Battery, 6 Volt | 2 | ..... | Gould P/N 2T-590 or Equiv. |
| 16 | P18122 | Battery Cable | 1 | ..... | Negative to Positive |
| 17 | P19833 | Battery Cable | 1 | ..... | Positive |
| 18 | P19834 | Battery Cable | 1 | ..... | Negative |
| 19 | P19835 | Battery Cable | 1 | ..... | Ground |
| 20 | P23214 | Gauge, Fuel | 1 | ..... | Replaces P18728 ❷ |
| 21 | P23216 | Gauge, Oil Pressure | 1 | ..... | Replaces P18730 ❸ |
| 22 | P23218 | Gauge, Ammeter | 1 | ..... | Replaces P18732 (N.L.A.) |
| 23 | P23219 | Gauge, Hourmeter | 1 | ..... | Replaces P18733 (N.L.A.) |
| 24 | P23220 | Gauge, Trans. Oil Temp. | 1 | ..... | Replaces P18734 (N.L.A.) |
| 25 | P19472 | Sender, Trans. Oil Temp. | 1 | ..... | |
| 26 | P23215 | Sender, Fuel | 1 | ..... | Replaces P18729 ❹ |
| 27 | P23217 | Sender, Oil Pressure | 1 | ..... | Replaces P18731 ❺ |
| 28 | P20953 | Switch, Oil Light | 1 | ..... | |
| 29 | P20954 | Switch, Fan Belt Light | 1 | ..... | |
| 30 | P19105 | Switch, Backup | 1 | ..... | |
| 31 | P20812 | Switch, Neutral Start | 1 | ..... | |
| 32 | P11092 | Switch, Ignition | 1 | ..... | Without Cold Start |
| | P24766 | Switch, Ignition | 1 | ..... | With Cold Start |
| 33 | P13774 | Backup Alarm | 1 | ..... | |
| 34 | P13707 | Horn | 1 | ..... | |
| 35 | P13709 | Horn Relay | 2 | ..... | |
| NI | P02057 | Screw, Slotted Rd. Hd. | 4 | ..... | #10-24 x 3/4", Horn Relay Mounting |
| NI | P01306 | Lockwasher | 4 | ..... | #10, Horn Relay Mounting |
| NI | P01504 | Nut, Hx. | 4 | ..... | #10-24, Horn Relay Mounting |
| 36 | P19203 | Fuse, AGC - 30 AMP | 4 | ..... | |
| 37 | P24349 | Fuse Block | 2 | ..... | Replaces P19096 (N.L.A.) |
| 38 | P17553 | Clamp, Harness | 3 | ..... | |
| 39 | P10215 | 45° Elbow, Street | 1 | ..... | |
| 40 | P26025 | Resistor, Heat Indicator Switch | 1 | ..... | |

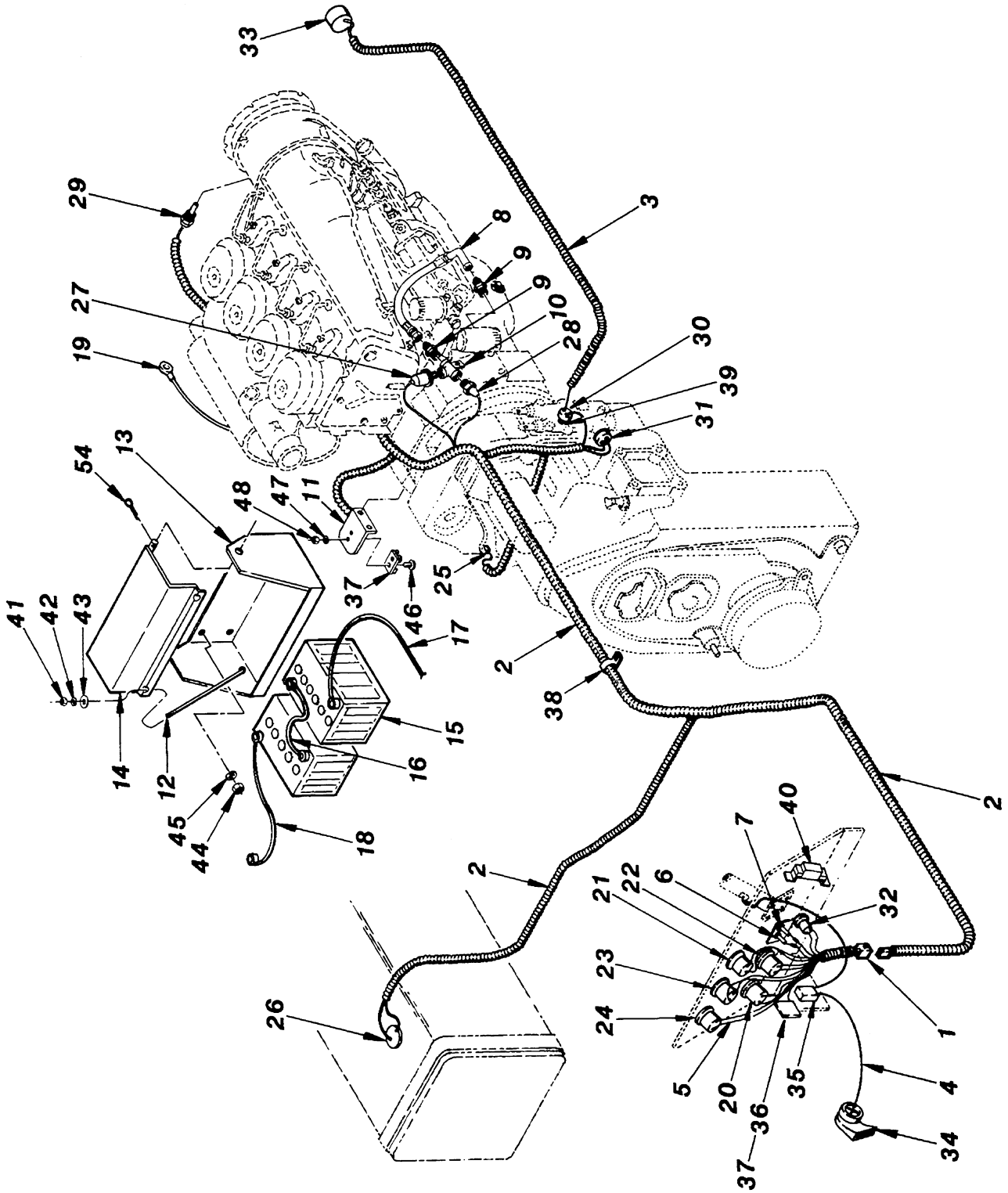



**Figure 18364**

## 18364 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 41 | P01507 | Nut, Hx. | 2 | ..... | 5/16"-18 |
| 42 | P01309 | Lockwasher | 2 | ..... | 5/16" |
| 43 | P01403 | Flatwasher | 2 | ..... | 5/16" |
| 44 | P01508 | Nut, Hx. | 4 | ..... | 3/8"-16 |
| 45 | P01310 | Lockwasher | 4 | ..... | 3/8" |
| 46 | P02016 | Screw, Slotted Rd. Hd. | 4 | ..... | #6-32 x 1/2" |
| 47 | P01353 | Starwasher | 4 | ..... | #6 |
| 48 | P01502 | Nut, Hx. | 4 | ..... | #6-32 |
| 54 | P03823 | Cotter Pin | 4 | ..... | 3/32" x 3/4" |
| NI | 18124C | Cold Start Kit | – | ..... | Glow Plug |
| NI | P27958 | Heater Plug | – | ..... | |

NOTES:
❶ When ordering, specify S/N and identify whether harness has 9, 12, or 15-Pin Connector.
❷ N.L.A., Service with P23214 Gauge and P23215 Sender.
❸ N.L.A., Service with P23216 Gauge and P23217 Sender.
❹ N.L.A., Service with P23215 Sender and P23214 Gauge.
❺ N.L.A., Service with P23217 Sender and P23216 Gauge.

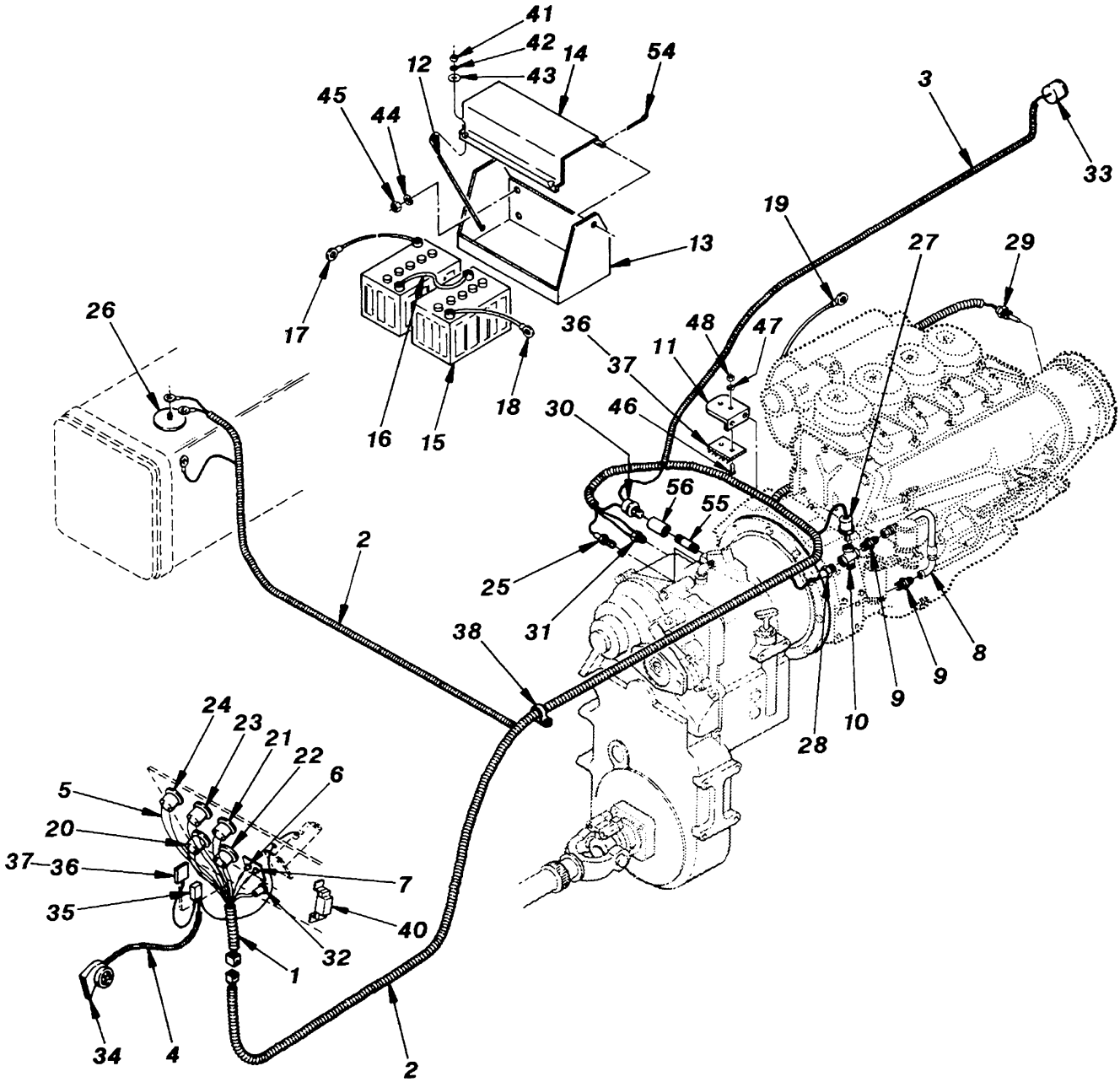



**Figure 18364-1**

## 18364-1 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P21559 | Wire Harness | 1 | 101 – 1560 | Upper ❶ |
| 1A | 26153B | Wires | 1 | 101 – 1560 | Gauges - Power |
| 2 | P21405 | Wire Harness | 1 | 101 – 1560 | Lower ❶ |
| 3 | P19102 | Wire Harness | 1 | 101 – 1560 | Backup Alarm |
| 4 | P19101 | Wires | 1 | 101 – 859 | Horn (3 Wires) |
| 5 | P19284 | Wires | 1 | 101 – 1560 | Gauges - Ground |
| 6 | 25917A | Indicator Light, Oil | 1 | " – " | |
| 7 | P20970 | Indicator Light, Fan Belt | 1 | " – " | |
| 8 | P20408 | Hose, Oil Line | 1 | " – " | |
| 9 | P20866 | Connector, JIC - Pipe | 2 | " – " | |
| 10 | 17914A | Tee, Junction | 1 | " – " | |
| 11 | 16273A | Mounting Bracket, Fuse Block | – | 101 – 859 | |
| NI | P04201 | Bolt, Hx. | 2 | 101 – 1560 | M12-1.75 x 20mm, Fuse Block Bracket Mounting |
| NI | P04609 | Lockwasher | 2 | 101 – 1560 | M12, Fuse Block Bracket Mounting |
| 12 | 16357A | Rod, Hold Down | 2 | 101 – 1560 | |
| 13 | 21977C | Battery Box | 1 | 1241 – | |
| | 16344C | Battery Box | 1 | 101 – 1240 | |
| 14 | 21976B | Battery Box Cover | 1 | 1241 – | |
| | 16355B | Battery Box Cover | 1 | 101 – 1240 | |
| 15 | — | Battery, 6 Volt | 2 | 101 – 1560 | 900 CCA, Group 4 |
| 16 | P18122 | Battery Cable | 1 | " – " | Negative to Positive |
| 17 | P19833 | Battery Cable | 1 | " – " | Positive |
| 18 | P19834 | Battery Cable | 1 | " – " | Negative |
| 19 | P19835 | Battery Cable | 1 | " – " | Ground |
| 20 | P23214 | Gauge, Fuel | 1 | " – " | |
| 21 | P23216 | Gauge, Oil Pressure | 1 | " – " | |
| 22 | P23218 | Gauge, Ammeter | 1 | " – " | |
| 23 | P23219 | Gauge, Hourmeter | 1 | " – " | |
| 24 | P23220 | Gauge, Trans. Oil Temp. | 1 | " – " | |
| 25 | P19472 | Sender, Trans. Oil Temp. | 1 | " – " | |
| 26 | P23215 | Sender, Fuel | 1 | " – " | |
| 27 | P23217 | Sender, Oil Pressure | 1 | " – " | |
| 28 | P20953 | Switch, Oil Light | 1 | " – " | |
| 29 | P20954 | Switch, Fan Belt Light | 1 | " – " | |
| 30 | P19105 | Switch, Backup | 1 | " – " | |
| 31 | P18673 | Switch, Neutral Start | 1 | " – " | |
| 32 | P24766 | Switch, Ignition | 1 | " – " | |
| 33 | P13774 | Backup Alarm | 1 | " – " | |
| 34 | P13707 | Horn | 1 | " – " | |
| 35 | P13709 | Relay, Horn & Oil Light | 2 | " – " | |
| NI | P02057 | Screw, Slotted Rd. Hd. | 4 | " – " | #10-24 x 3/4", Horn Relay Mounting |
| NI | P01306 | Lockwasher | 4 | " – " | #10, Horn Relay Mounting |
| NI | P01504 | Nut, Hx. | 4 | " – " | #10-24, Horn Relay Mounting |
| 36 | P19203 | Fuse, AGC - 30 AMP | 2 | " – " | |
| 37 | P24349 | Fuse Block | 1 | " – " | |
| 38 | P17553 | Clamp, Harness | 1 | " – " | |
| NI | P17554 | Clamp, Harness & Battery Cable | 3 | " – " | |

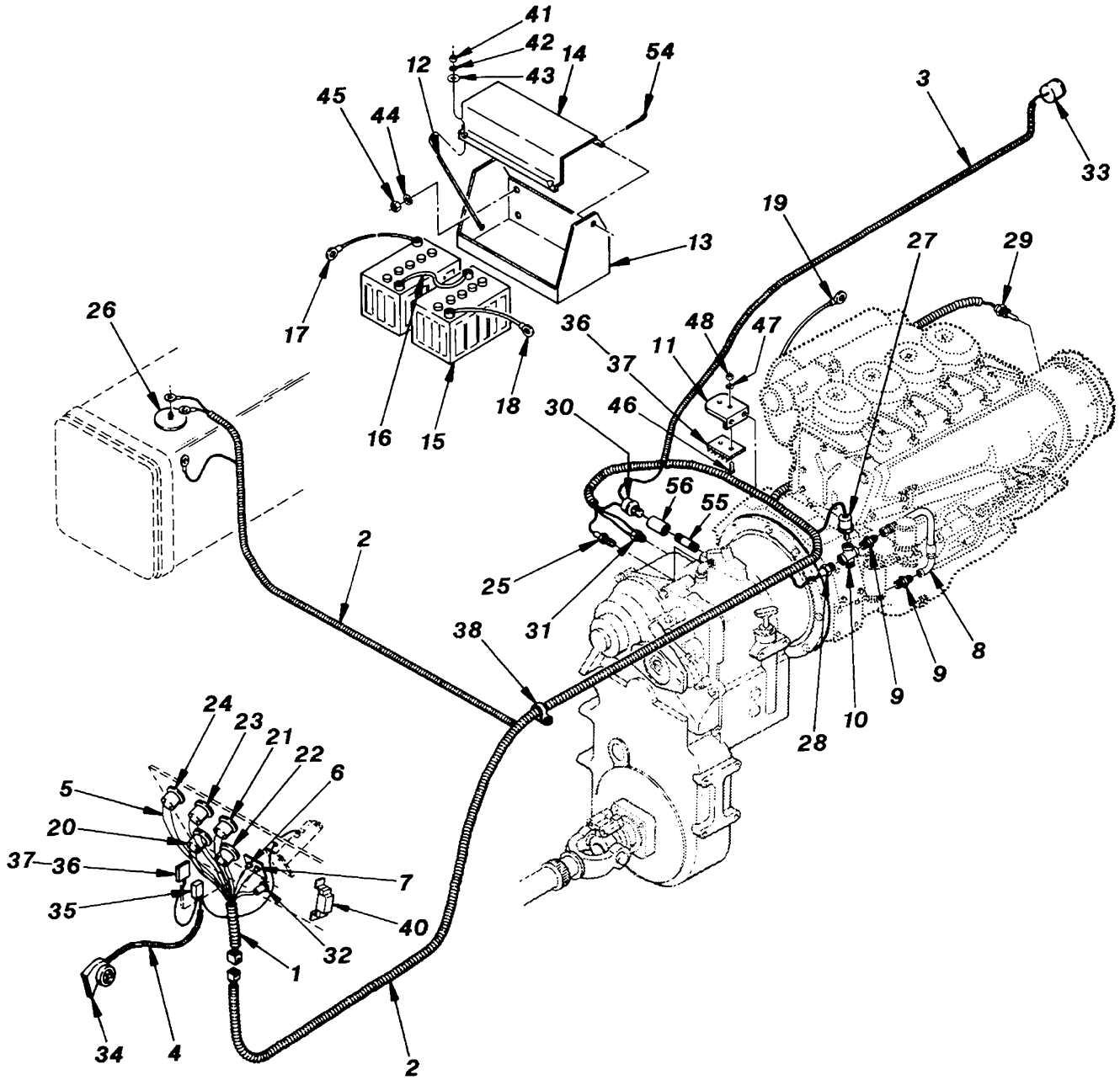



Figure 18364-1

## 18364-1 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 40 | P26025 | Resistor, Heat Indicator Switch | 1 | " – " | |
| 41 | P01507 | Nut, Hx. | 2 | " – " | 5/16"-18 |
| 42 | P01309 | Lockwasher | 2 | " – " | 5/16" |
| 43 | P01403 | Flatwasher | 2 | " – " | 5/16" |
| 44 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 45 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 46 | P02016 | Screw, Slotted Rd. Hd. | 4 | " – " | #6-32 x 1/2" |
| 47 | P01353 | Starwasher | 4 | " – " | #6 |
| 48 | P01502 | Nut, Hx. | 4 | " – " | #6-32 |
| 54 | P03823 | Cotter Pin | 4 | " – " | 3/32" x 3/4" |
| 55 | P10889 | Nipple, Pipe | 1 | " – " | |
| 56 | P10664 | Coupler | 1 | " – " | |
| NI | 18124C | Cold Start Kit | – | 645 – | Glow Plug |
| NI | P27958 | Heater Plug | – | 101 – 1560 | |

NOTES:

❶ When ordering, specify S/N and identify whether harness has 9, 12, or 15-Pin Connector.

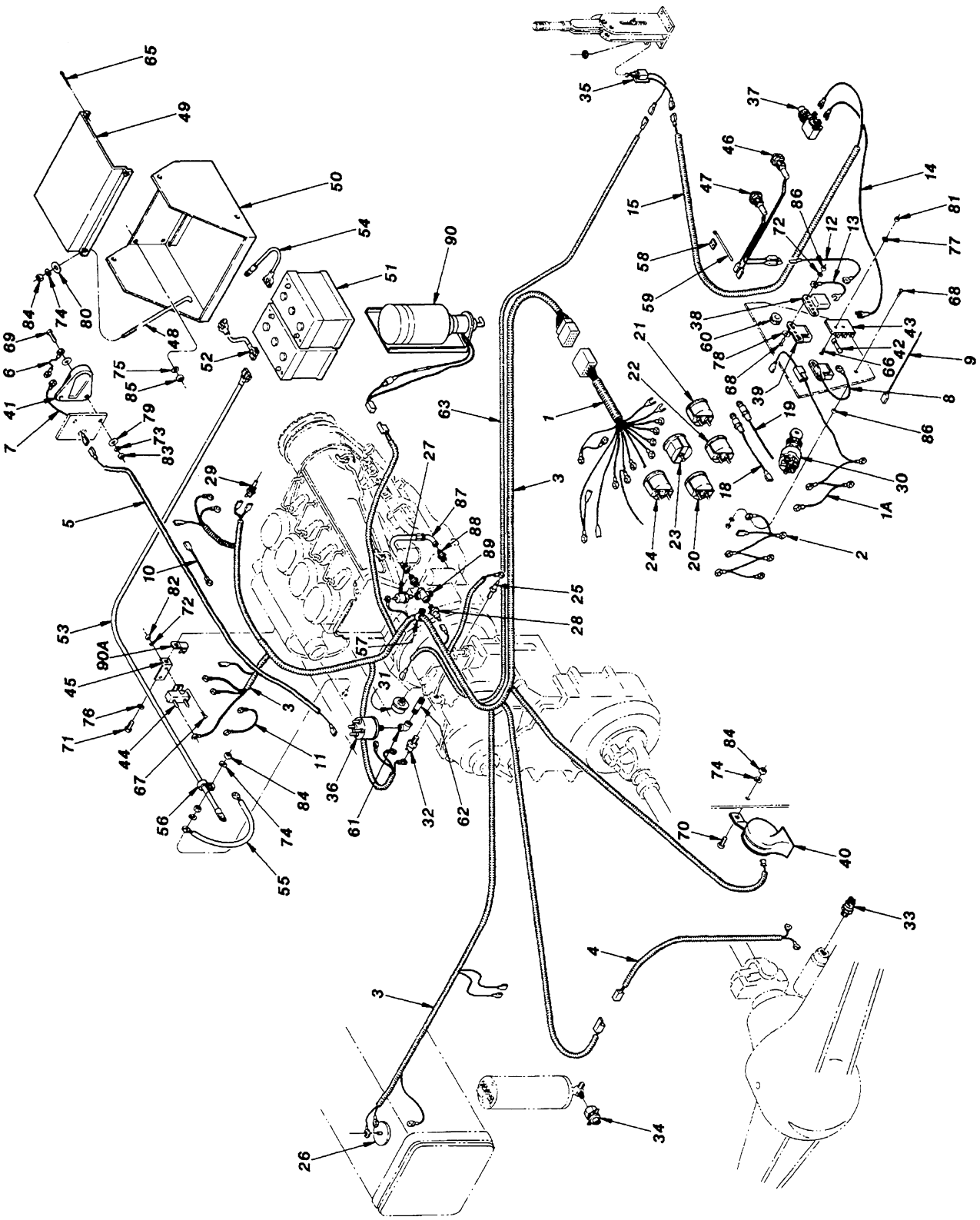



Figure 18364-2

## 18364-2 (1 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P26270 | Wire Harness | 1 | 1561 – | Upper |
| 1A | 26153B | Wires | 1 | " – " | Gauges - Power |
| 2 | P19284 | Wires | 1 | " – " | Gauges - Ground |
| 3 | P26269 | Wire Harness | 1 | " – " | Lower |
| 4 | P26483 | Wire Harness | 1 | 1695 – | Diff. Lock Switch |
| 5 | P19102 | Wire Harness | 1 | 1561 – | Backup Alarm |
| 6 | P27504 | Wire | 1 | " – " | Backup Alarm to Ground (Black - 16) |
| 7 | P27505 | Wire | 1 | " – " | Jumper/Backup Alarm (Red - 14) |
| 8 | P27506 | Wire | 1 | " – " | Fuse Block to Relay (Red - 14) |
| 9 | P27508 | Wire | 1 | " – " | Horn Button to Relay (Black - 16) |
| 10 | P27509 | Wire | 1 | " – " | Alternator - Jumper (White - 14) |
| 11 | P27512 | Wire | 1 | 1861 – | Circuit Breaker to Solenoid (Violet - 12) |
| 12 | P27513 | Wire | 1 | 1695 – | Indicator Lights to Ground (Black - 14) |
| 13 | P27514 | Wire | 1 | 1861 – | Brake Buzzer to Ground (Black - 14) |
| 14 | P28550 | Wire | 1 | 2420 – | Buzzer/Light to Fuse Block (Red - 14) |
| 15 | P28552 | Wire | 1 | 2420 – | Buzzer/Light to Switch (Black - 14) |
| NI | P28555 | Wire | 2 | 2466 – | Pressure Switch to Switch (White - 14) |
| NI | P28556 | Wire | 1 | 2466 – | Switch to Ground (White - 14) |
| 18 | 25917A | Indicator Light, Oil | 1 | 1561 – | |
| 19 | P20970 | Indicator Light, Fan Belt | 1 | " – " | |
| 20 | P23214 | Gauge, Fuel | 1 | " – " | |
| 21 | P23216 | Gauge, Oil Pressure | 1 | " – " | |
| 22 | P23218 | Gauge, Ammeter | 1 | " – " | |
| 23 | P23219 | Gauge, Hourmeter | 1 | " – " | |
| 24 | P23220 | Gauge, Trans. Oil Temp. | 1 | " – " | |
| 25 | P19472 | Sender, Trans. Oil Temp. | 1 | " – " | |
| 26 | P23215 | Sender, Fuel | 1 | " – " | |
| 27 | P23217 | Sender, Oil Pressure | 1 | " – " | |
| 28 | P20953 | Switch, Oil Light | 1 | " – " | |
| 29 | P20954 | Switch, Fan Belt Light | 1 | " – " | |
| 30 | P11092 | Switch, Ignition | 1 | " – " | |
| 31 | P19105 | Switch, Pressure - S.P.S.T. | 1 | " – " | |
| 32 | P18673 | Switch, Neutral Start | 1 | " – " | |
| 33 | P26180 | Switch, Differential Lock | 1 | 1695 – | |
| 34 | P27308 | Switch, Brake Pressure | 1 | 1561 – | |
| 35 | P28714 | Switch, Parking Brake | 1 | 2420 – | |
| 36 | P28721 | Switch, Pressure - D.P.S.T. | 1 | 2466 – | |
| 37 | P28456 | Buzzer/Light, Parking Brake | 1 | 2420 – | |
| 38 | P27307 | Buzzer, Brake Pressure Warning | 1 | 1861 – | |
| 39 | P13709 | Relay, Horn & Oil Light | 2 | 1561 – | |
| 40 | P13707 | Horn | 1 | " – " | |
| 41 | P13774 | Backup Alarm | 1 | " – " | |

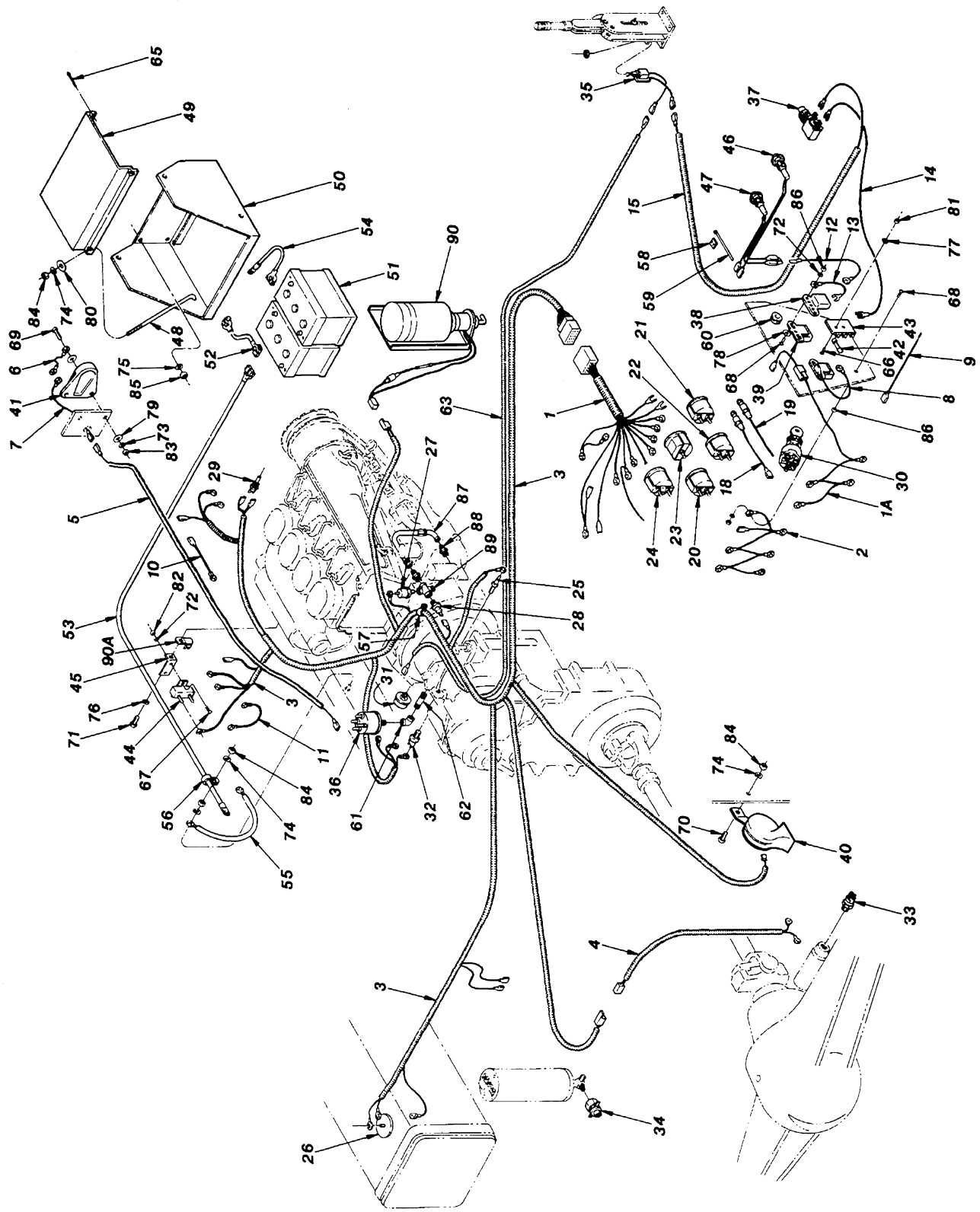



**Figure 18364-2**

## 18364-2 (2 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 42 | P19203 | Fuse, AGC - 30 AMP | 3 | " – " | |
| 43 | P24349 | Fuse Block | 1 | " – " | |
| 44 | P27315 | Circuit Breaker | 1 | 1861 – | |
| 45 | 24880A | Mounting Bracket, Circuit Breaker | 1 | 1861 – | |
| 46 | 24853A | Indicator Light | 1 | 1695 – | Amber (Diff. Lock) |
| 47 | 24854A | Indicator Light | 1 | 1861 – | Red (Brake Pressure) |
| 48 | 16357A | Rod, Hold Down | 2 | 1561 – | |
| 49 | 21976B | Cover, Battery Box | 1 | " – " | |
| 50 | 21977C | Battery Box | 1 | " – " | |
| 51 | — | Battery, 6 Volt | 2 | " – " | 900 CCA, Group 4 |
| 52 | P18122 | Battery Cable | 1 | " – " | Negative to Positive |
| 53 | P19833 | Battery Cable | 1 | " – " | Positive |
| 54 | P19834 | Battery Cable | 1 | " – " | Negative |
| 55 | P19835 | Battery Cable | 1 | " – " | Ground |
| 56 | P17554 | Clamp, Battery Cable & Harness | 6 | " – " | |
| 57 | P17553 | Clamp, Harness | 1 | " – " | |
| 58 | P27600 | Mount, Ty-Wrap | 2 | 1861 – | |
| 59 | P17989 | Ty-Wrap | A/R | 1561 – | |
| 60 | P24347 | Rubber Grommet | 1 | 1561 – | |
| 61 | P10223 | 90° Elbow, Pipe | 1 | 1561 – | |
| 62 | P10889 | Nipple, Pipe | 1 | 1561 – | |
| 63 | P28558 | Wire, Pressure Switch To P.B. Switch | 1 | 2466 – | |
| NI | P27803 | Adapter Tab, Male Push-On | 6 | 1561 – | |
| 65 | P03823 | Cotter Pin | 4 | " – " | 3/32" x 3/4" |
| 66 | P02016 | Screw, Slotted Rd. Hd. | 2 | " – " | #6-32 x 1/2" |
| 67 | P02054 | Screw, Slotted Rd. Hd. | 2 | " – " | #10-24 x 1/2" |
| 68 | P02079 | Screw, Slotted Rd. Hd. | 5 | " – " | #10-32 x 1/2" |
| 69 | P00003 | Bolt, Hx. | 2 | " – " | 1/4"-20 x 3/4" |
| 70 | P00100 | Bolt, Hx. | 1 | " – " | 5/16"-18 x 1/2" |
| 71 | P04102 | Bolt, Hx. | 1 | " – " | M8-1.25 x 16mm |
| 72 | P01306 | Lockwasher | 7 | " – " | #10 |
| 73 | P01308 | Lockwasher | 2 | " – " | 1/4" |
| 74 | P01309 | Lockwasher | 7 | " – " | 5/16" |
| 75 | P01310 | Lockwasher | 4 | " – " | 3/8" |
| 76 | P04607 | Lockwasher | 1 | " – " | M8 |
| 77 | P01353 | Starwasher | 2 | " – " | #6 |
| 78 | P01400 | Flatwasher | 4 | " – " | #10 |
| 79 | P01402 | Flatwasher | 4 | " – " | 1/4" |
| 80 | P01403 | Flatwasher | 2 | " – " | 5/16" |
| 81 | P01502 | Nut, Hx. | 2 | " – " | #6-32 |
| 82 | P01504 | Nut, Hx. | 2 | " – " | #10-24 |
| 83 | P01506 | Nut, Hx. | 2 | " – " | 1/4"-20 |
| 84 | P01507 | Nut, Hx. | 8 | " – " | 5/16"-18 |
| 85 | P01508 | Nut, Hx. | 4 | " – " | 3/8"-16 |
| 86 | P01528 | Nut, Hx. | 5 | " – " | #10-32 |
| 87 | P20408 | Hose, Oil Line | 1 | " – " | |
| 88 | P20866 | Connector, JIC - Pipe | 2 | " – " | |

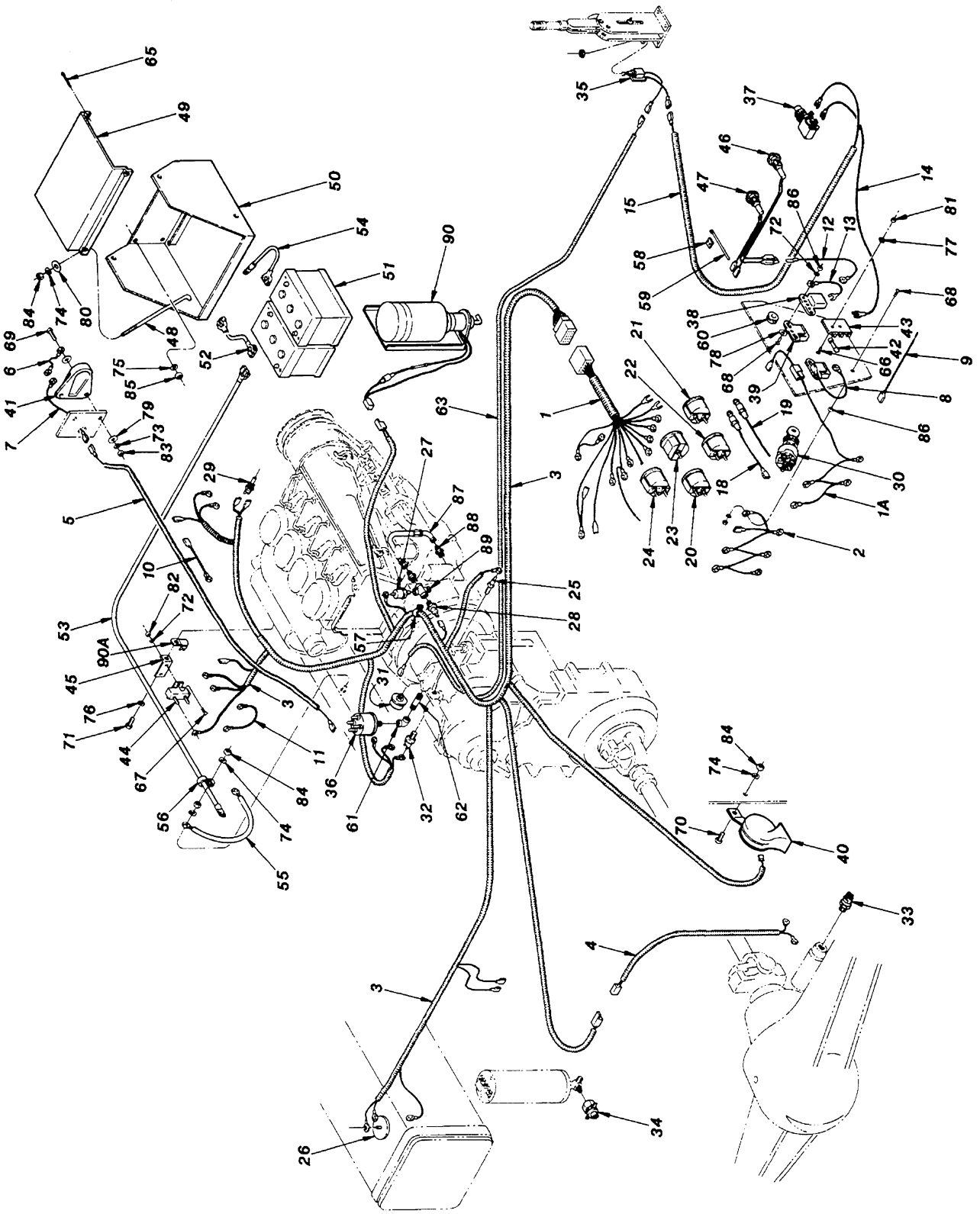



**Figure 18364-2**

## 18364-2 (3 of 3)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 89 | 17914A | Tee, Junction | 1 | " – " | |
| 90 | 26092B | Quick Start | 1 | " – " | |
| 90A | P27306 | Sensor, Engine Temp. | – | " – " | Included in 26092B |
| NI | P27305 | Coupling, Dirt Eliminator | – | " – " | Included in 26092B |
| NI | P27304 | Filter & O-Ring | – | " – " | Included in 26092B |
| NI | P27303 | Valve Gasket | – | " – " | Included in 26092B |
| NI | P28747 | Fuse, AGC - 15 AMP | – | " – " | Included in 26092B |
| NI | — | Starting Fluid Cylinder | – | " – " | Obtain Locally |

S/N 101 –

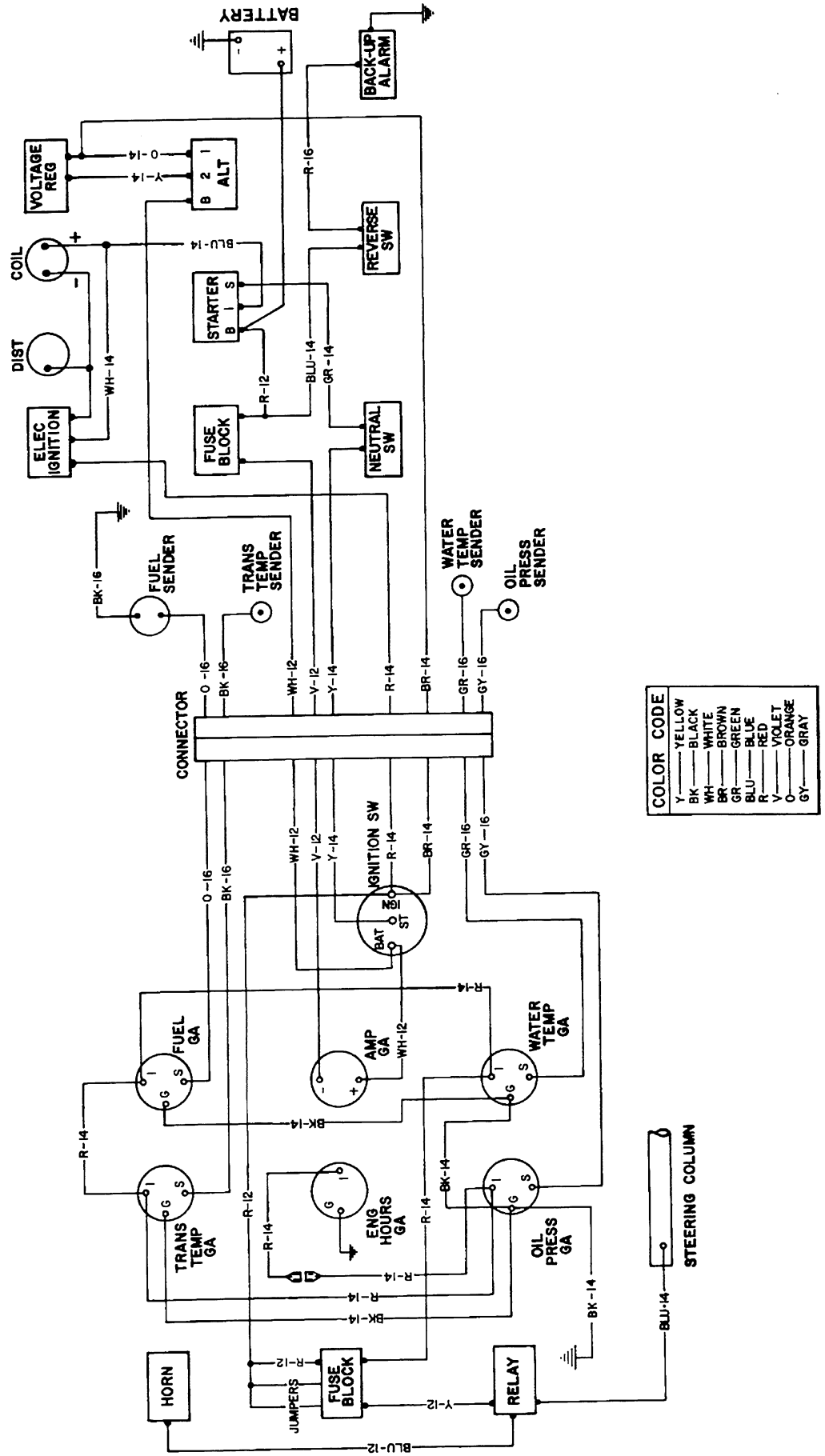



**Figure 18396**

S/N 101 –

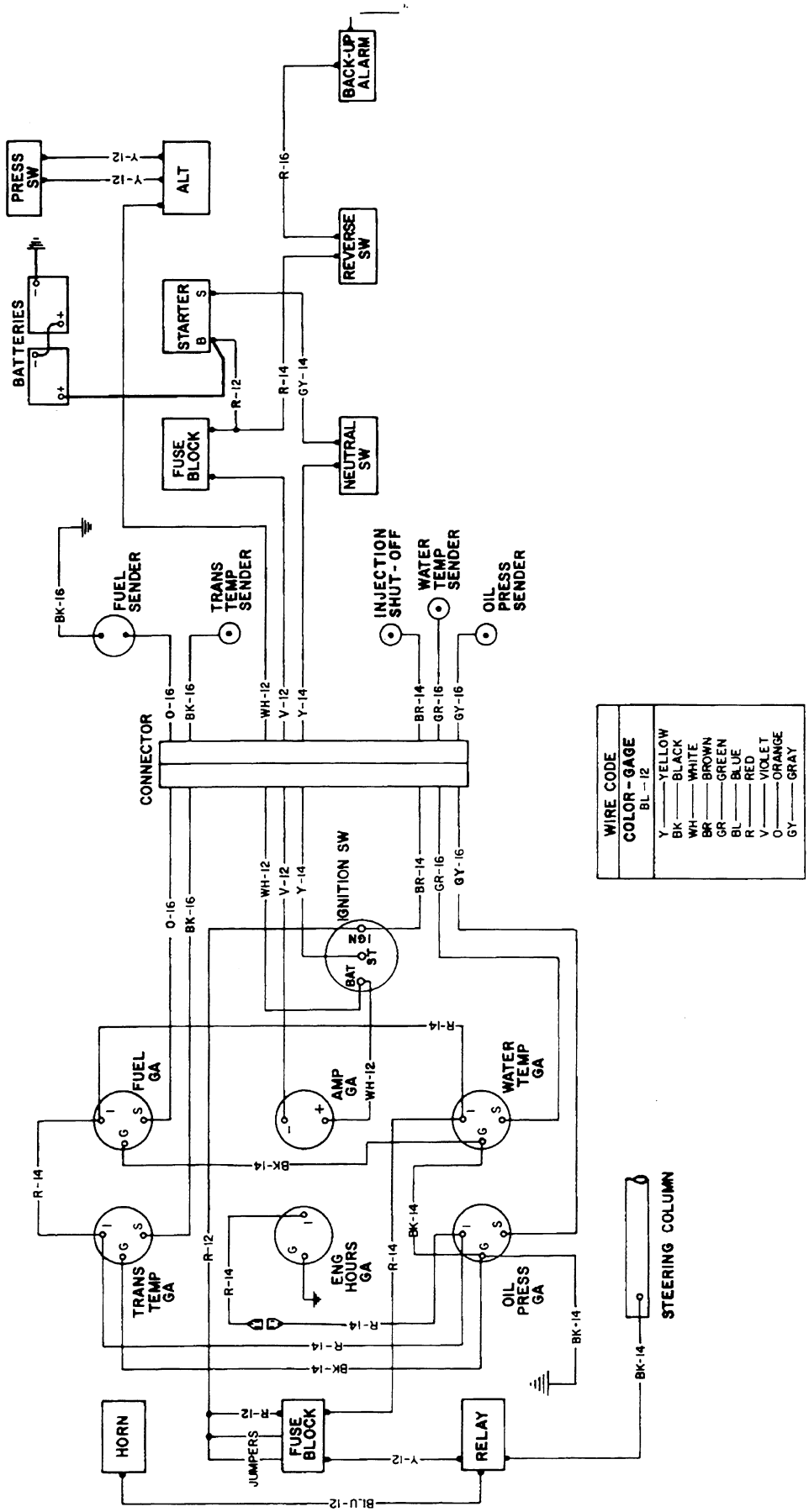



**Figure 18397**

**S/N 530, 569 – 716**

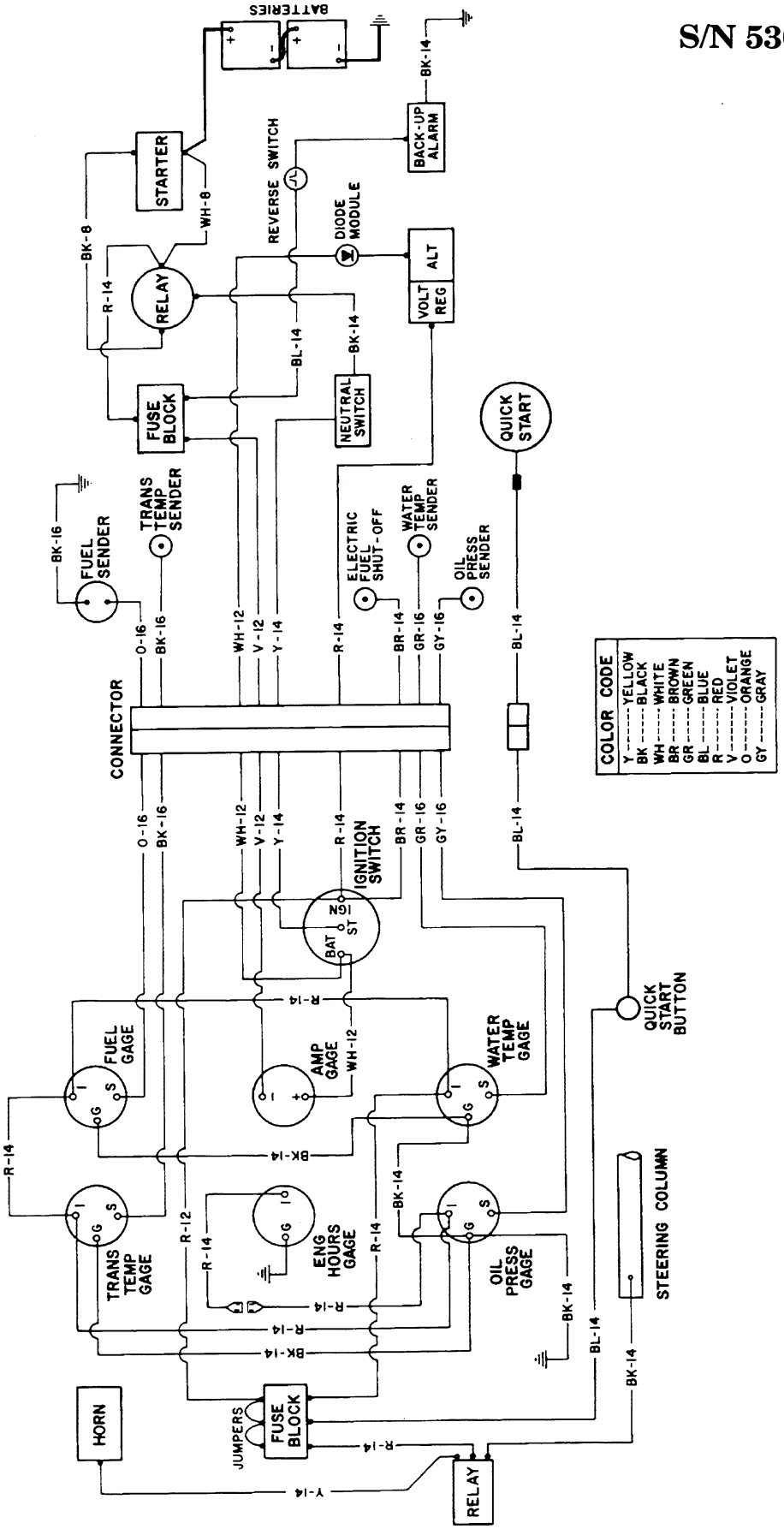



**Figure 18397-1**

S/N 717 – 859

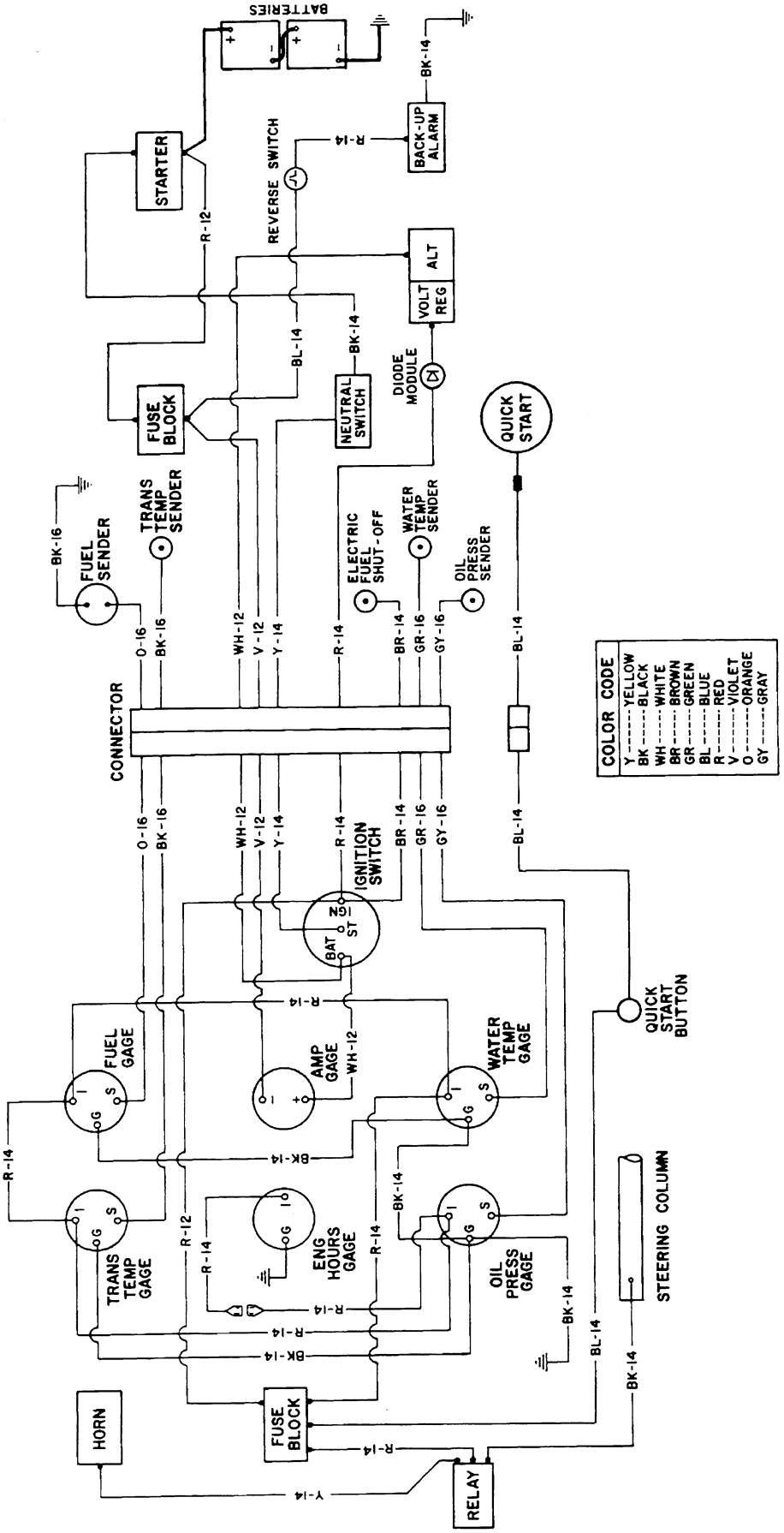



**Figure 18397-2**

**S/N 860 – 1694**

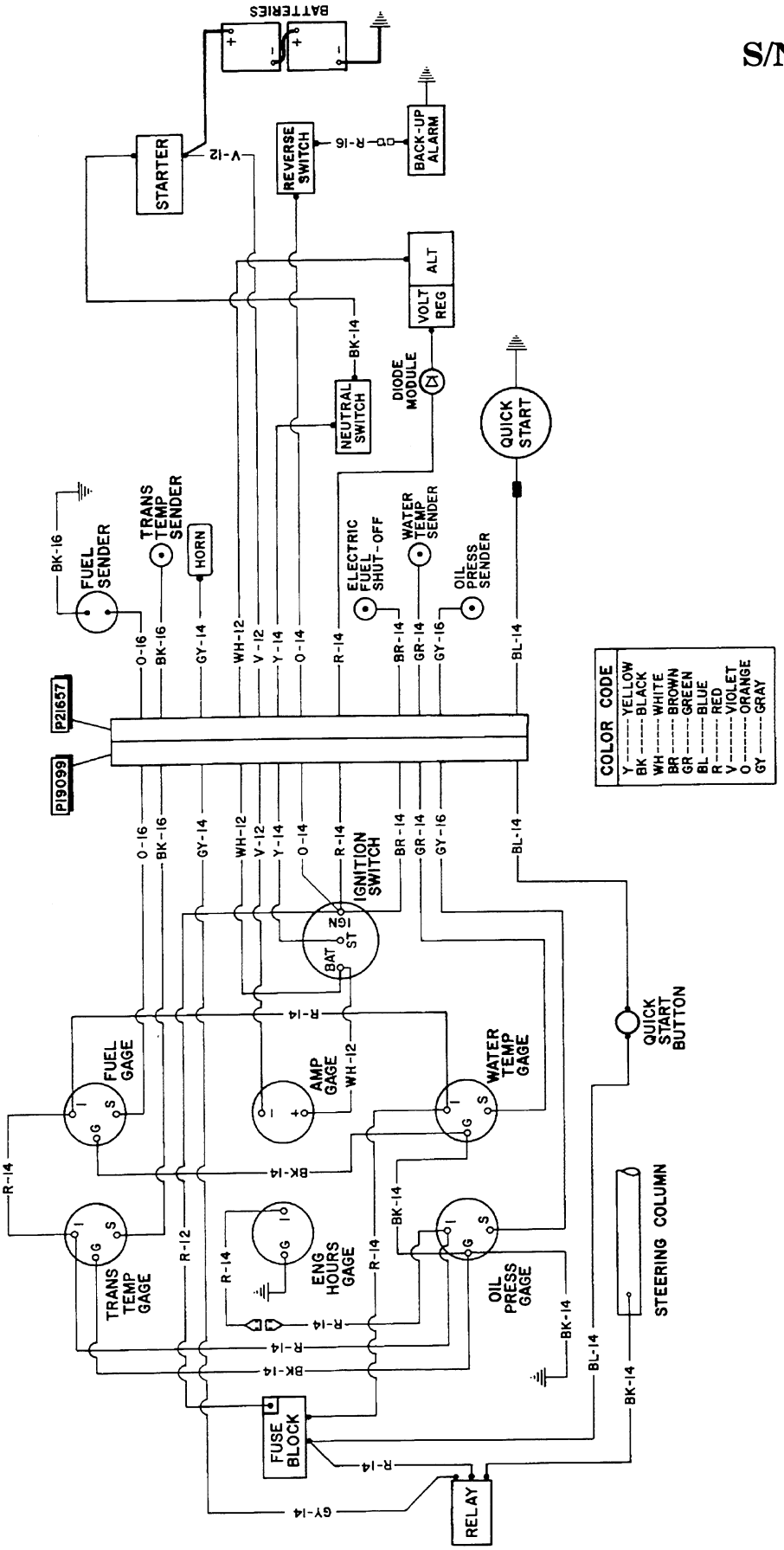



**Figure 18397-3**

## S/N 1695 – 2076, 2078 – 2179

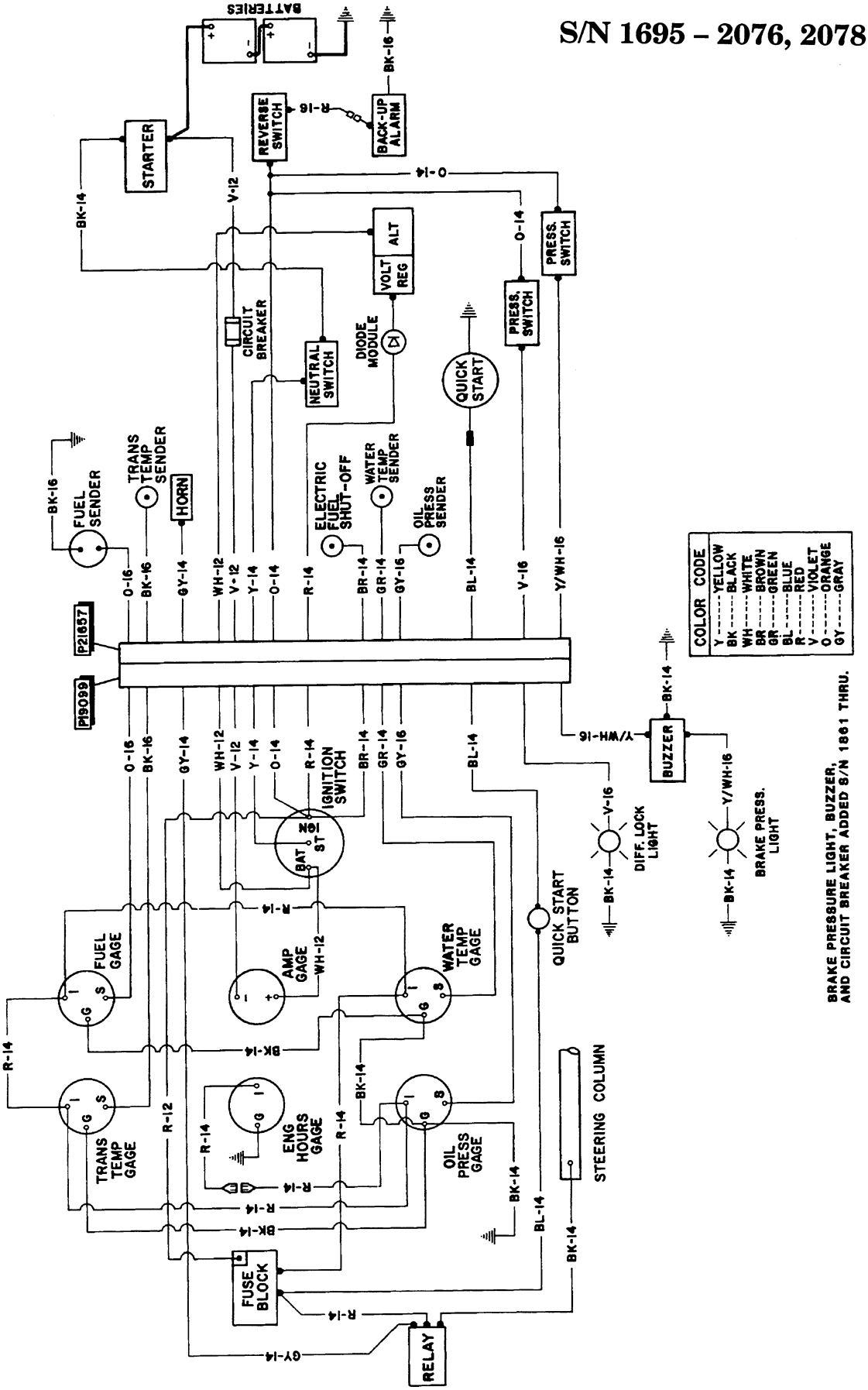



**Figure 18397-4**

**S/N 2077, 2180 – 2419**

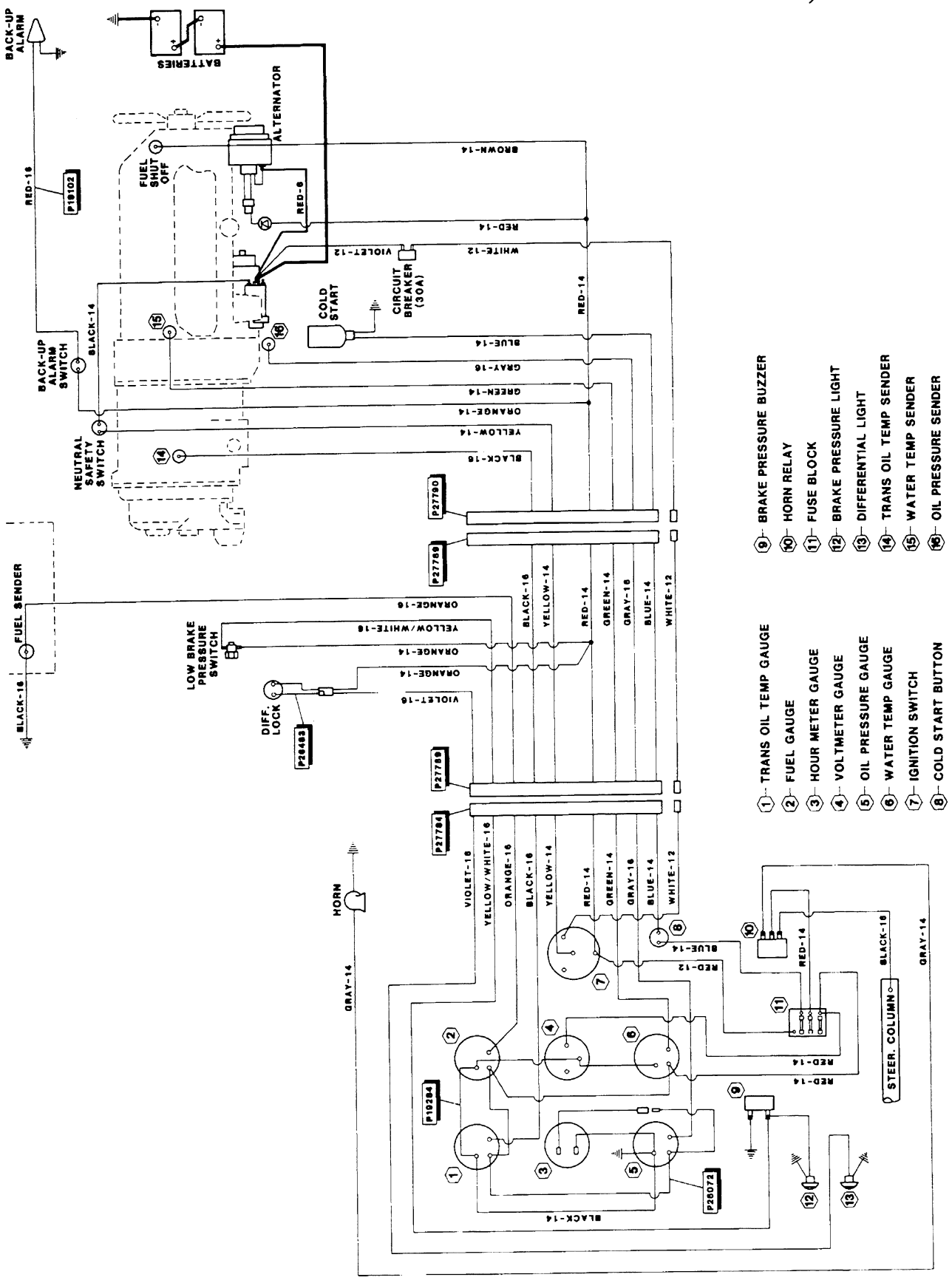



**Figure 18397-5**

## S/N 2420 – 2783

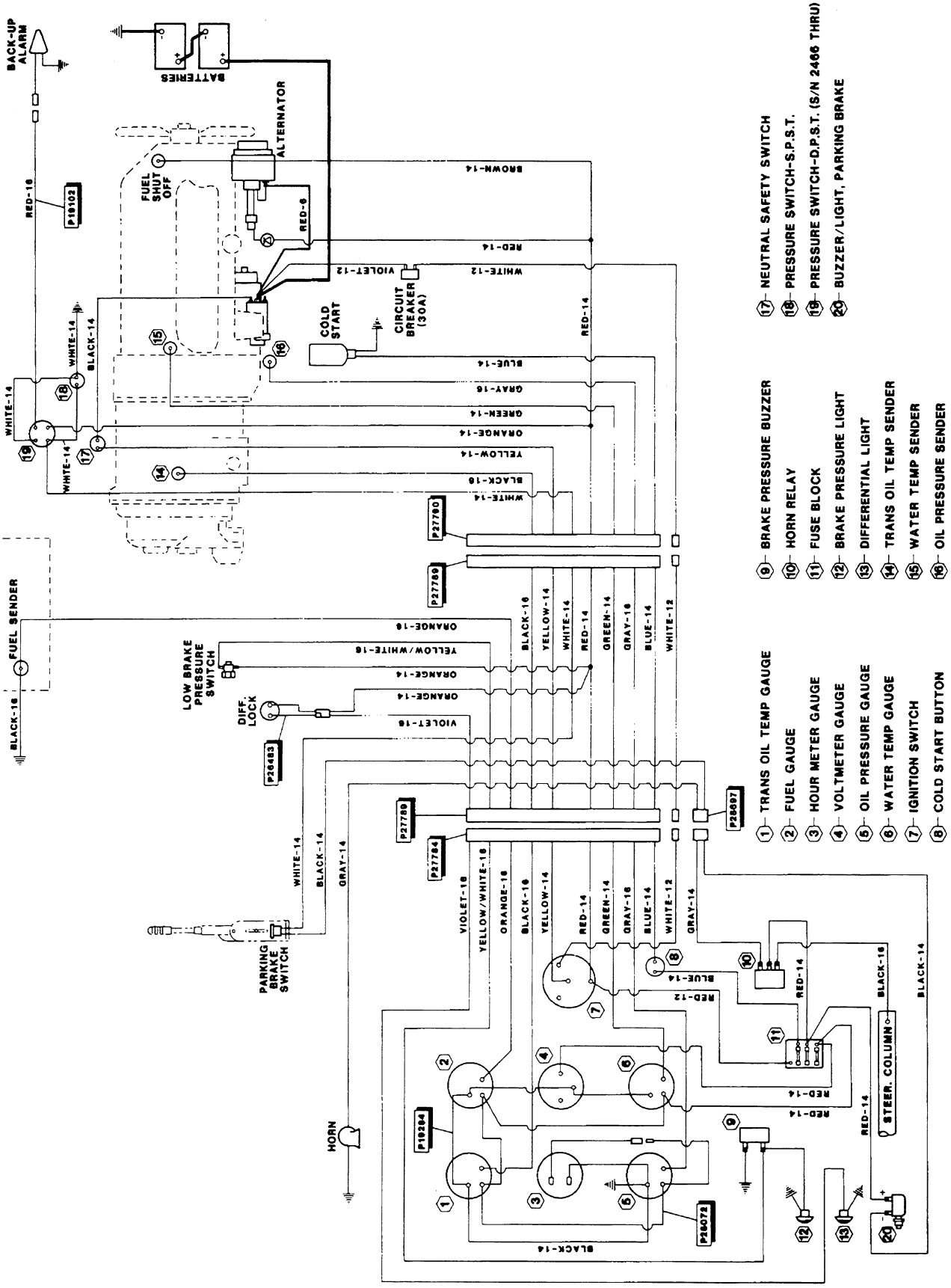



**Figure 18397-6**

S/N 2784 –

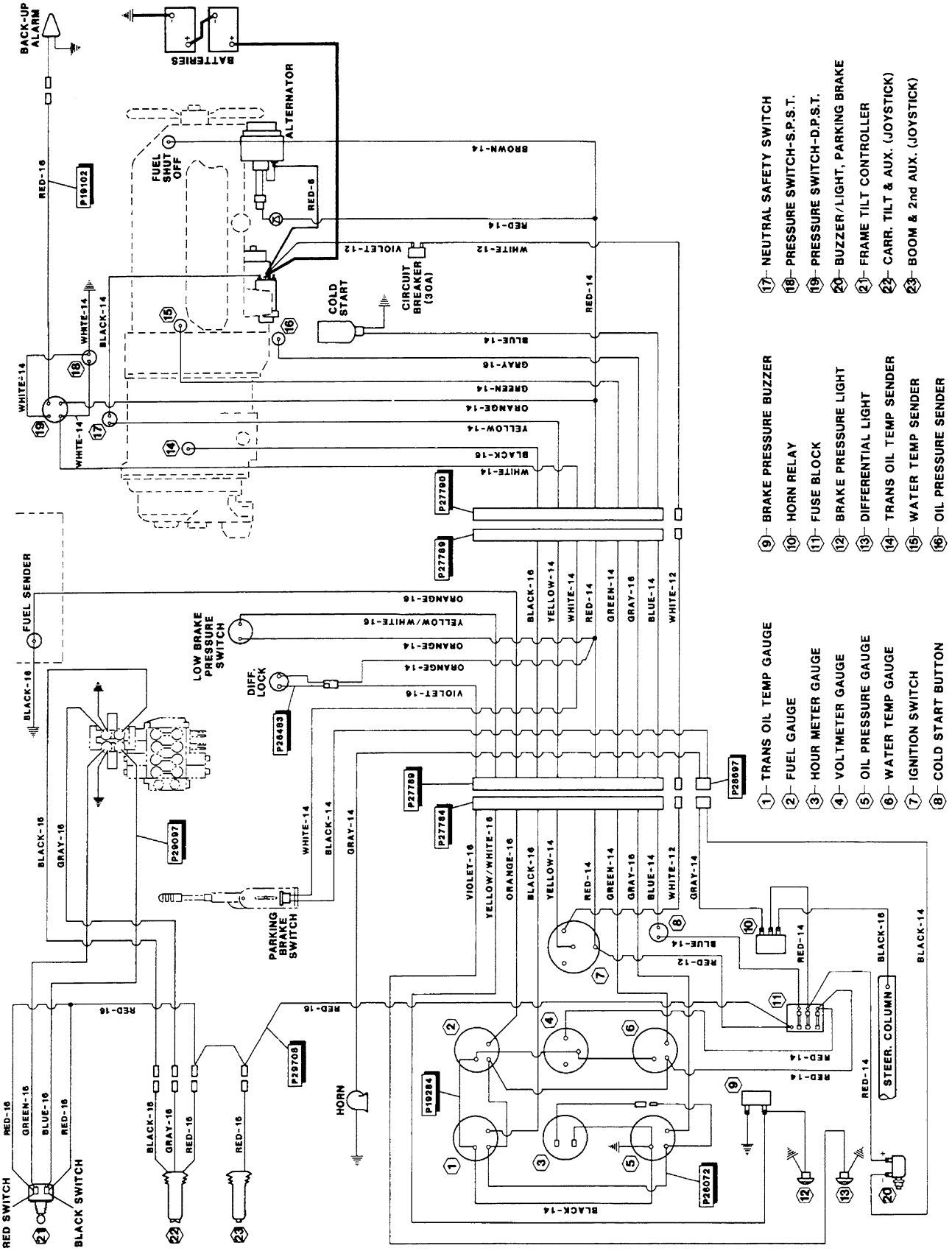



**Figure 18397-7**

S/N 101 – 859

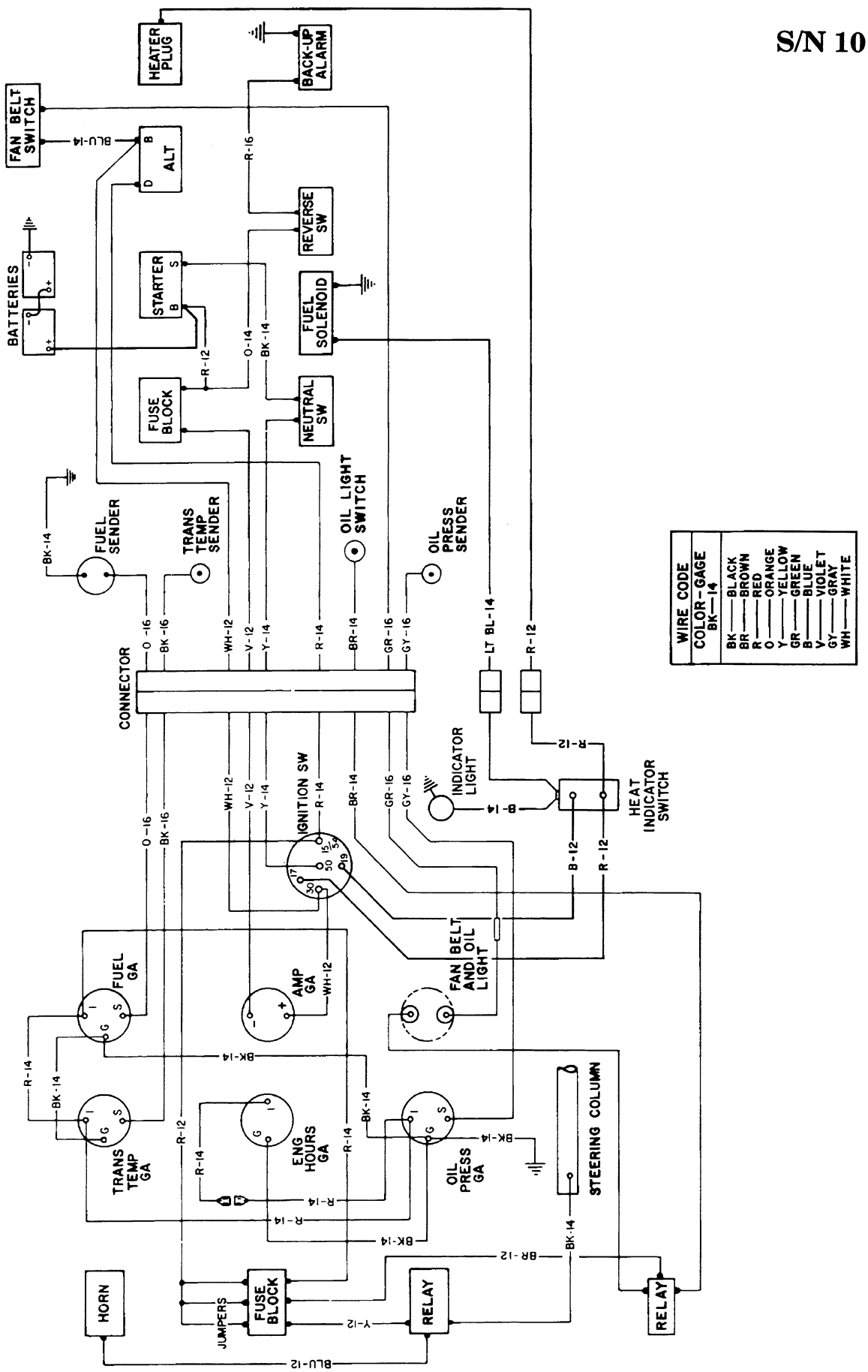



Figure 18398

S/N 860 – 1560

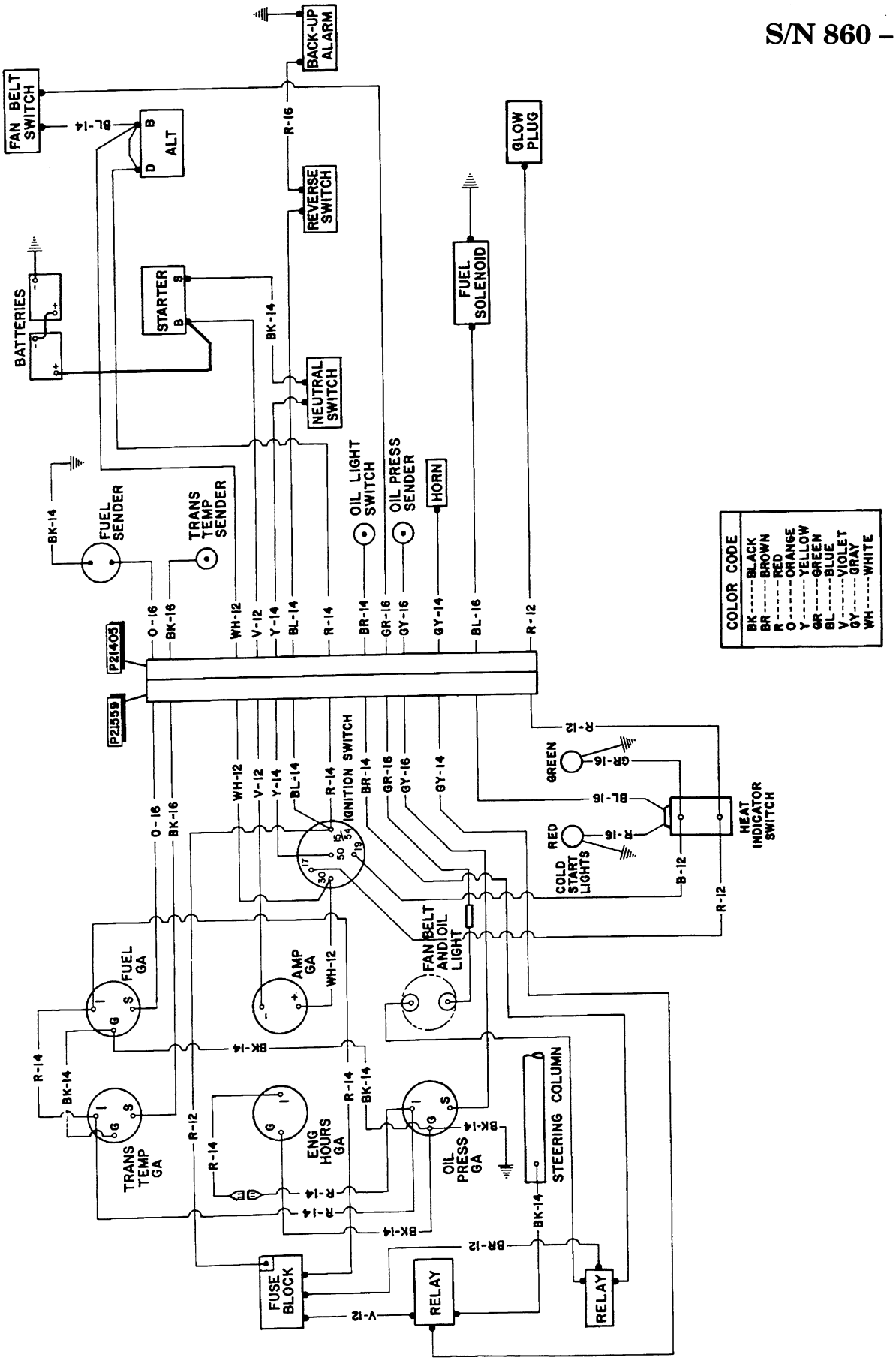



Figure 18398-1

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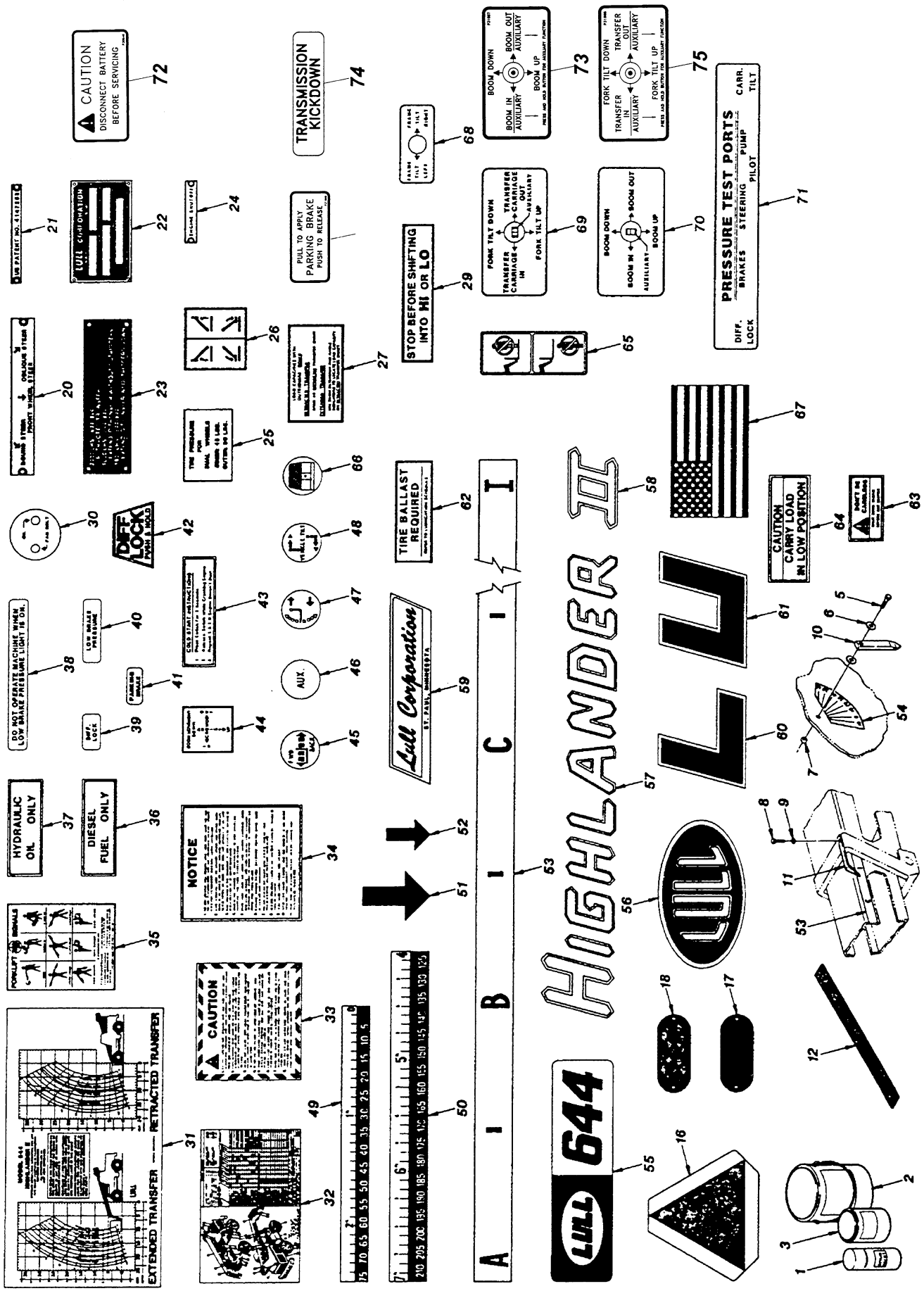



**Figure 18365**

## 18365 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | — | Orange Enamel Spray Paint | – | ..... | Consult Factory |
| 2 | — | Orange Enamel Paint | – | ..... | Consult Factory |
| 3 | — | Primer, Paint | – | ..... | Consult Factory |
| 4 | N.L.A. | Thinner, Paint | – | ..... | Obtain Locally |
| 5 | P00105 | Bolt, Hx. | 1 | ..... | 5/16"-18 x 1 1/4" |
| 6 | P01403 | Flatwasher | 2 | ..... | 5/16" |
| 7 | P01557 | Jam Nut, Hx. | 1 | ..... | 5/16"-18 |
| 8 | P00202 | Bolt, Hx. | 1 | ..... | 3/8"-16 x 3/4" |
| 9 | P01310 | Lockwasher | 1 | ..... | 3/8" |
| 10 | P26295 | Pointer, Boom Angle Indicator | 1 | ..... | |
| 11 | 16306A | Pointer, Boom Extension | 1 | ..... | |
| 12 | N12055 | No - Slip Surfacing | 1 | ..... | 2" x 108" Roll |
| NI | P27610 | Screw, Hx. Washer Hd. | 2 | ..... | #10-24 x 1/2", Slow Moving Sign Mounting |
| NI | P01306 | Lockwasher | 2 | ..... | #10, Slow Moving Sign Mounting |
| NI | P01504 | Nut, Hx. | 2 | ..... | #10-24, Slow Moving Sign Mounting |
| 16 | P19841 | Slow Moving Vehicle Sign | 1 | ..... | |
| 17 | P18991 | Reflector, Red | 2 | ..... | |
| 18 | P18992 | Reflector, Yellow | 2 | ..... | |
| 19 | P15355 | Drive Screw, Rd. Hd. | A/R | ..... | #4 x 1/4" |
| 20 | P16629 | Plate, Orbital Steering | 1 | ..... | |
| 21 | P19792 | Plate, U.S. Patent No. | 1 | ..... | |
| 22 | N.L.A. | Plate, Serial Number | 1 | ..... | |
| 23 | P24926 | Plate, Truss Boom Capacity | 1 | ..... | |
| 24 | P17720 | Plate, Engine Shut Off | 1 | ..... | Perkins and Deutz |
| 25 | P19786 | Decal, Tire Pressure - Dual Wheels | 1 | ..... | |
| 26 | P20432 | Decal, Outrigger Movement | 1 | ..... | |
| 27 | P20859 | Decal, Outrigger Capacity | 1 | ..... | |
| 29 | P20956 | Decal, Stop, Hi - Lo Range | 1 | ..... | Clark Transmissions |
| 30 | P19944 | Decal, Oil and Fan Belt Warning | 1 | ..... | Deutz |
| 31 | P20478 | Decal, Load Chart | 1 | ..... | |
| 32 | P25351 | Decal, Lubrication Schedule | 1 | ..... | |
| 33 | P26474 | Plate, Caution | 2 | ..... | Replaces P18814 Warning Decal |
| 34 | P26473 | Decal, Notice | 1 | ..... | Replaces P18814 Warning Decal |
| 35 | P21406 | Decal, Fork Lift Signals | 1 | ..... | |
| 36 | P25546 | Decal, Diesel Fuel Only | 1 | ..... | |
| 37 | P25545 | Decal, Hydraulic Oil Only | 1 | ..... | |
| 38 | P26787 | Decal, Brake Pressure Warning | 1 | ..... | |
| 39 | P26488 | Decal, Diff. Lock - Light | 1 | ..... | |
| 40 | P26784 | Decal, Low Brake Pressure - Light | 1 | ..... | |
| 41 | P28522 | Decal, Parking Brake - Light | 1 | ..... | |

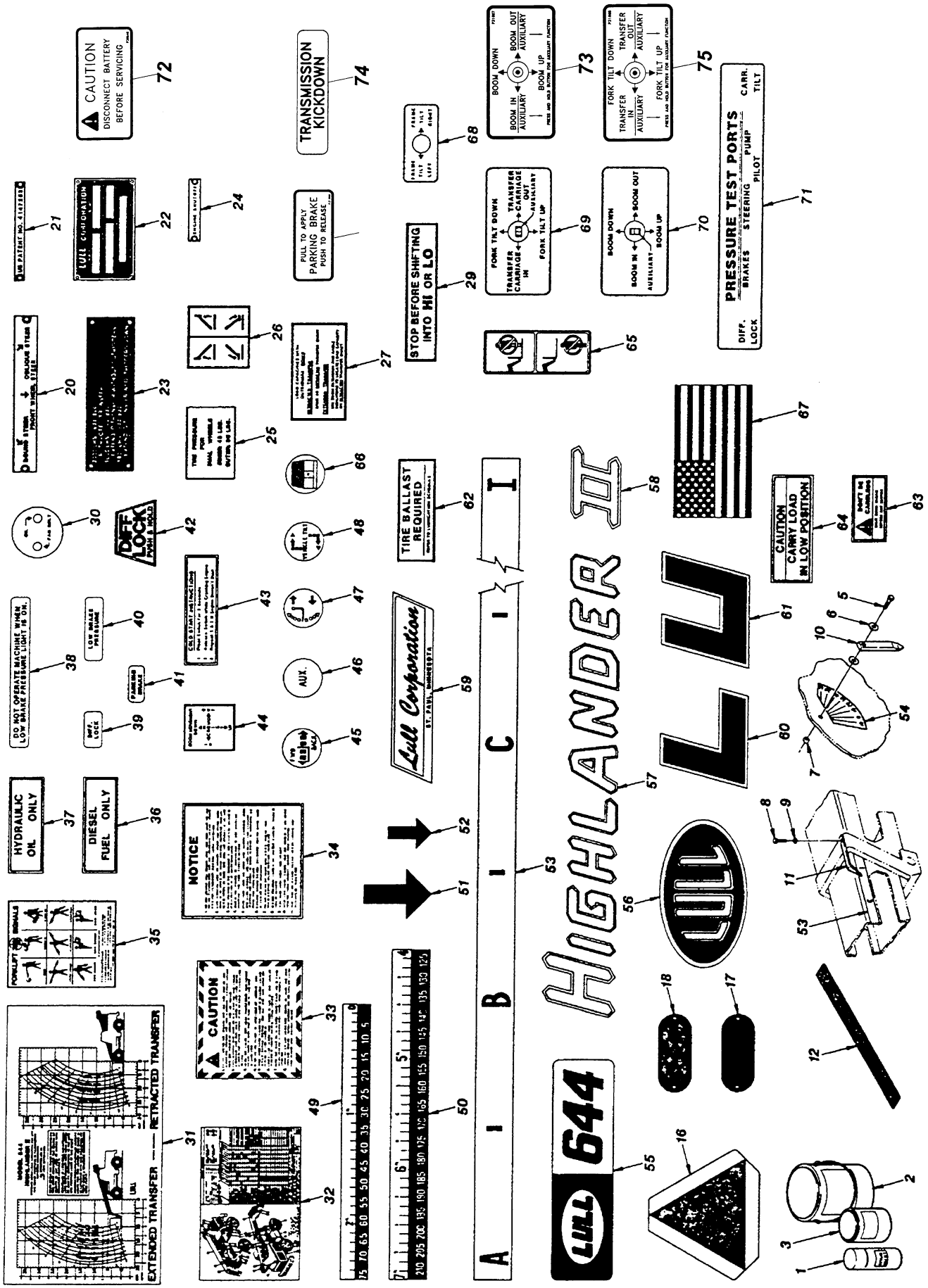



Figure 18365

## 18365 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 42 | P25548 | Decal, Diff. Lock - Foot Control | 1 | ..... | |
| 43 | P26085 | Decal, Cold Start Instructions | 1 | ..... | Deere |
| 44 | P18836 | Decal, Boom Movement | 1 | 101 – 2783 | Joystick |
| 45 | P18189 | Decal, Transfer Control | 1 | 101 – 2783 | |
| 46 | P18190 | Decal, Auxiliary Control | 1 | 101 – 2783 | |
| 47 | P18188 | Decal, Carriage Tilt Control | 1 | 101 – 2783 | |
| 48 | P18818 | Decal, Vehicle Tilt Control | 1 | 101 – 2783 | |
| 49 | P19073 | Decal, Transfer Extension Indicator | 1 | ..... | |
| 50 | P19072 | Decal, Transfer Extension Indicator | 1 | ..... | |
| 51 | P19071 | Decal, Arrow - Large | 1 | ..... | |
| 52 | P19070 | Decal, Arrow - Small | 1 | ..... | |
| 53 | P19074 | Decal, Boom Extension Indicator | 1 | ..... | |
| 54 | P18003 | Decal, Boom Angle Indicator | 1 | ..... | |
| 55 | P20955 | Decal, Model 644 | 1 | ..... | |
| 56 | P17586 | Decal, "LULL" Logo | 1 | ..... | |
| 57 | P18184 | Decal, "Highlander" | 2 | ..... | |
| 58 | P20494 | Decal, Roman Numeral II | 2 | ..... | |
| 59 | P32633 | Decal, Manufacture | 1 | 4000 – | |
| | P17607 | Decal, Manufacture | 1 | 101 – 3999 | |
| 60 | P18185 | Decal, Letter "L" | 9 | ..... | |
| 61 | P18186 | Decal, Letter "U" | 3 | ..... | |
| 62 | P27558 | Decal, Tire Ballast Required | 4 | ..... | |
| 63 | P24705 | Decal, Don't Be Careless | 2 | ..... | |
| 64 | P24704 | Decal, Caution, Carry Load Low | 1 | ..... | |
| 65 | P27585 | Decal, Carriage Safety | 2 | ..... | |
| 66 | P28523 | Decal, Carriage Side Tilt Control | 1 | 2555 – 2783 | Optional Tilting Carriage, Replaces Item 46 |
| 67 | P28781 | Decal, American Flag | 2 | ..... | |
| 68 | P29220 | Decal, Frame Tilt Control | 1 | 2784 – | |
| 69 | P29221 | Decal, Transfer & Fork Tilt Control | 1 | 2784 – | |
| 70 | P29222 | Decal, Boom Movement Control | 1 | 2784 – | |
| 71 | P28779 | Decal, Pressure Test Ports | 1 | 2784 – | |
| 72 | P30846 | Decal, Disconnect Battery | 1 | ..... | |
| 73 | P31667 | Decal, Joystick Control | 1 | ..... | |
| 74 | P31148 | Decal, Transmission Kickdown | 1 | ..... | |
| 75 | P31668 | Decal, Trans. and Carriage | 1 | ..... | |
| 76 | P31690 | Decal, Parking Brake | 1 | ..... | |
| NI | 18796A | Decal Repl. Package | 1 | ..... | Includes Items 31 - 67 |

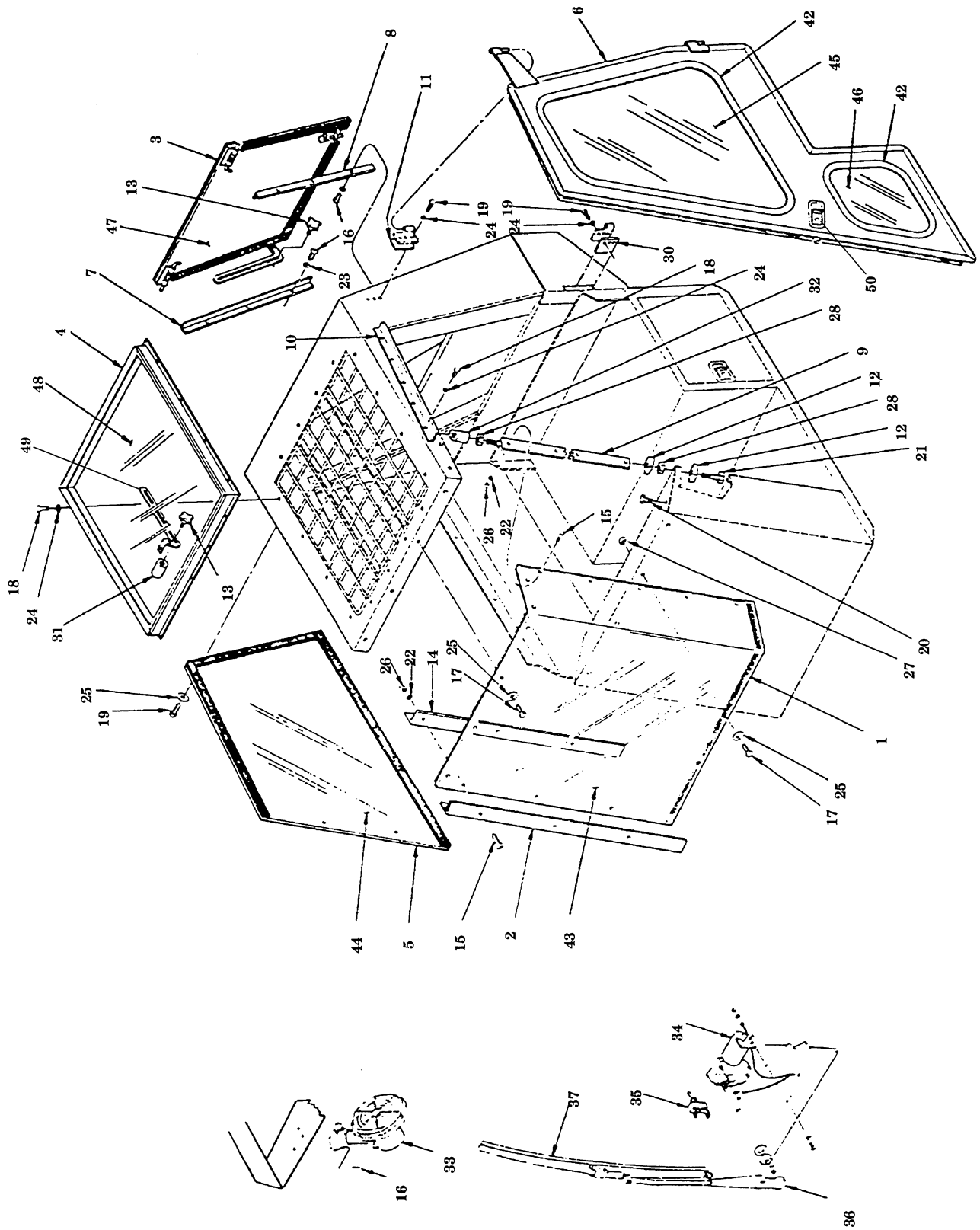



Figure 16851

## 16851 (1 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 16480B | Windshield Assembly | 1 | ..... | |
| 2 | 16481B | Corner Mount, Outside | 1 | ..... | |
| 3 | 16482B | Window Assembly, Rear | 1 | ..... | |
| 4 | 16483C | Window Assembly, Top | 1 | ..... | |
| 5 | 16484B | Window, Side | 1 | ..... | |
| 6 | 16485B | Cab Door | 1 | ..... | |
| 7 | 16486A | Window Frame, R.H. | 1 | ..... | |
| 8 | 16487A | Window Frame, L.H. | 1 | ..... | |
| 9 | 16488B | Platform Support | 1 | ..... | |
| 10 | 16424B | Rain Gutter | 1 | ..... | |
| 11 | 16429A | Shim, Upper Door Hinge | 1 | ..... | |
| 12 | P25347 | Shim, Tapered | 4 | ..... | |
| 13 | P19127 | Hand Knob | 2 | ..... | |
| 14 | N10711 | Corner Mount, Inside | 1 | ..... | |
| 15 | P02039 | Screw, Rd. Hd. | 10 | ..... | #8-32 x 1" |
| 16 | P02054 | Screw, Rd. Hd. | 6 | ..... | #10-24 x 1/2" |
| 17 | P03198 | Screw, Button Hd. | 12 | ..... | 1/4"-20 x 1" |
| 18 | P00001 | Bolt, Hx. | 16 | ..... | 1/4"-20 x 1/2" |
| | P25364 | Rivet | A/R | ..... | |
| 19 | P00003 | Bolt, Hx. | 14 | ..... | 1/4"-20 x 3/4" |
| 20 | P00400 | Bolt, Hx. | 1 | ..... | 1/2"-13 x 3/4" |
| 21 | P00408 | Bolt, Hx. | 1 | ..... | 1/2"-13 x 2 1/2" |
| 22 | P0 1305 | Lockwasher | 10 | ..... | #8 |
| 23 | P01306 | Lockwasher | 6 | ..... | #10 |
| 24 | P01308 | Lockwasher | 27 | ..... | 1/4" |
| 25 | P01402 | Flatwasher | 26 | ..... | 1/4" |
| 26 | P01503 | Nut, Hx. | 10 | ..... | #8-32 |
| 27 | P01506 | Nut, Hx. | 10 | ..... | 1/4"-20 |
| 28 | P01560 | Jam Nut, Hx. | 2 | ..... | 1/2"-13 |
| NI | N10853 | Striker Plate | 2 | ..... | |
| 30 | 16414A | Mount, Lower Hinge | 1 | ..... | |
| 31 | 16423A | Boss, Hand Knob | 1 | ..... | |
| 32 | 16489A | Boss, Platform | 1 | ..... | |
| 33 | P14059 | Defroster Fan | – | ..... | |
| 34 | P14058 | Wiper Motor | – | ..... | |
| 35 | P16620 | Toggle Switch, Wipers | – | ..... | |
| 36 | P16621 | Wiper Arm | – | ..... | |
| 37 | P16625 | Wiper Blade | – | ..... | |
| NI | P19196 | Stick-Tite Sponge | – | ..... | 1/4" x 1" x 50' |
| NI | P19197 | Stick-Tite Sponge | – | ..... | 1/2" x 1" x 50' |
| NI | P19198 | Weather Stripping | – | ..... | 1/2" x 1" x 50' |

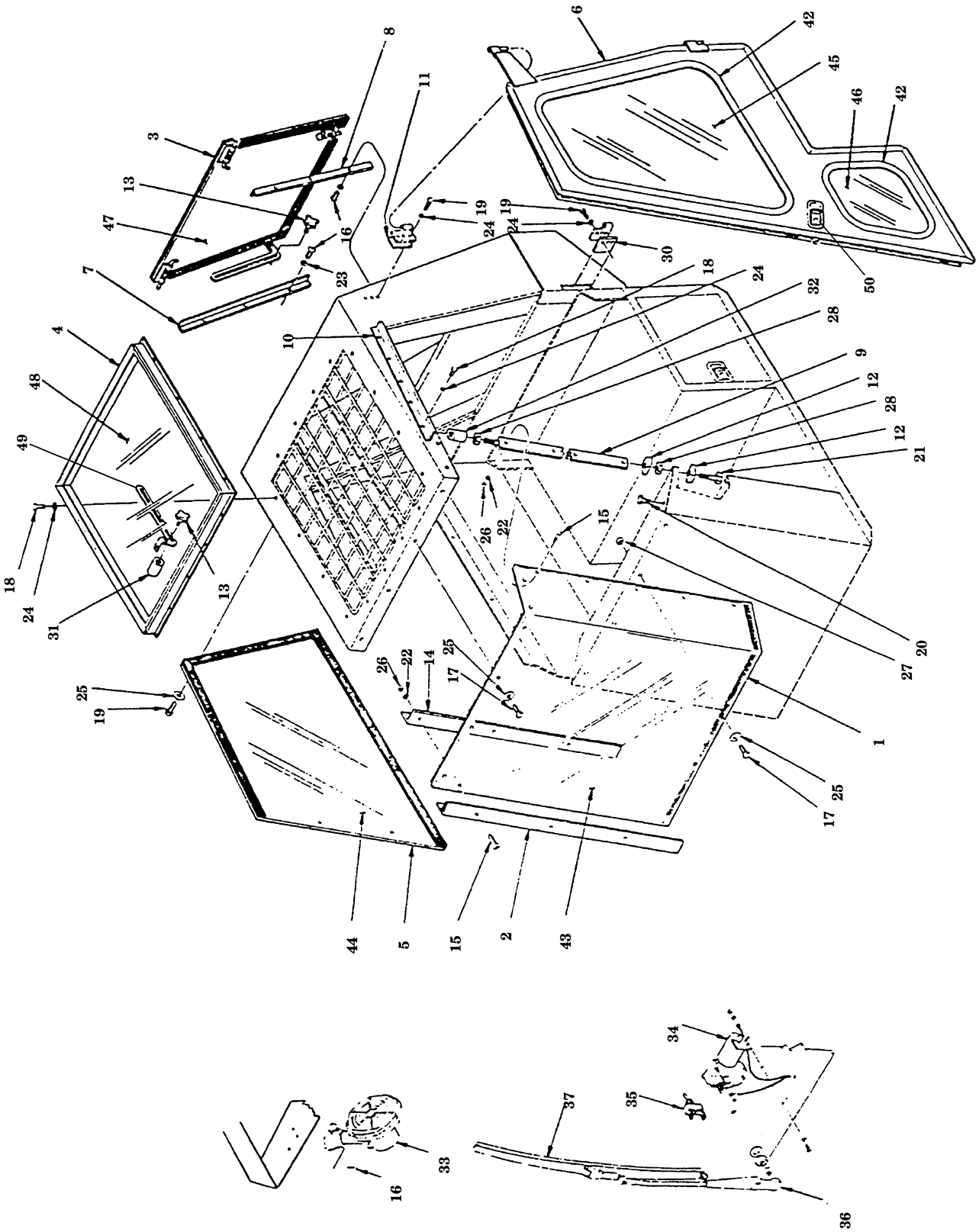



**Figure 16851**

## 16851 (2 of 2)

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| NI | P19199 | Weather Stripping | – | ..... | 2" x 2" x 10' |
| 42 | P19183 | Mounting Extrusion | – | ..... | |
| 43 | 16388C | Window Only, Windshield | – | ..... | |
| 44 | 16389C | Window Only, Side | – | ..... | |
| 45 | 16390C | Window Only, Door-Upper | – | ..... | |
| 46 | 16391B | Window Only, Door-Lower | – | ..... | |
| 47 | 16392B | Window Only, Rear | – | ..... | |
| 48 | 16393B | Window Only, Top (Early Production) | – | ..... | 26" x 26 1/2" |
| | 17047B | Window Only, Top | – | ..... | 27 1/2" x 27 1/2" |
| 49 | 16395B | Window Stay | 1 | ..... | |
| 50 | P26746 | Latch, Door | 1 | ..... | |
| NI | 16439B | Installation Drawing | – | ..... | |

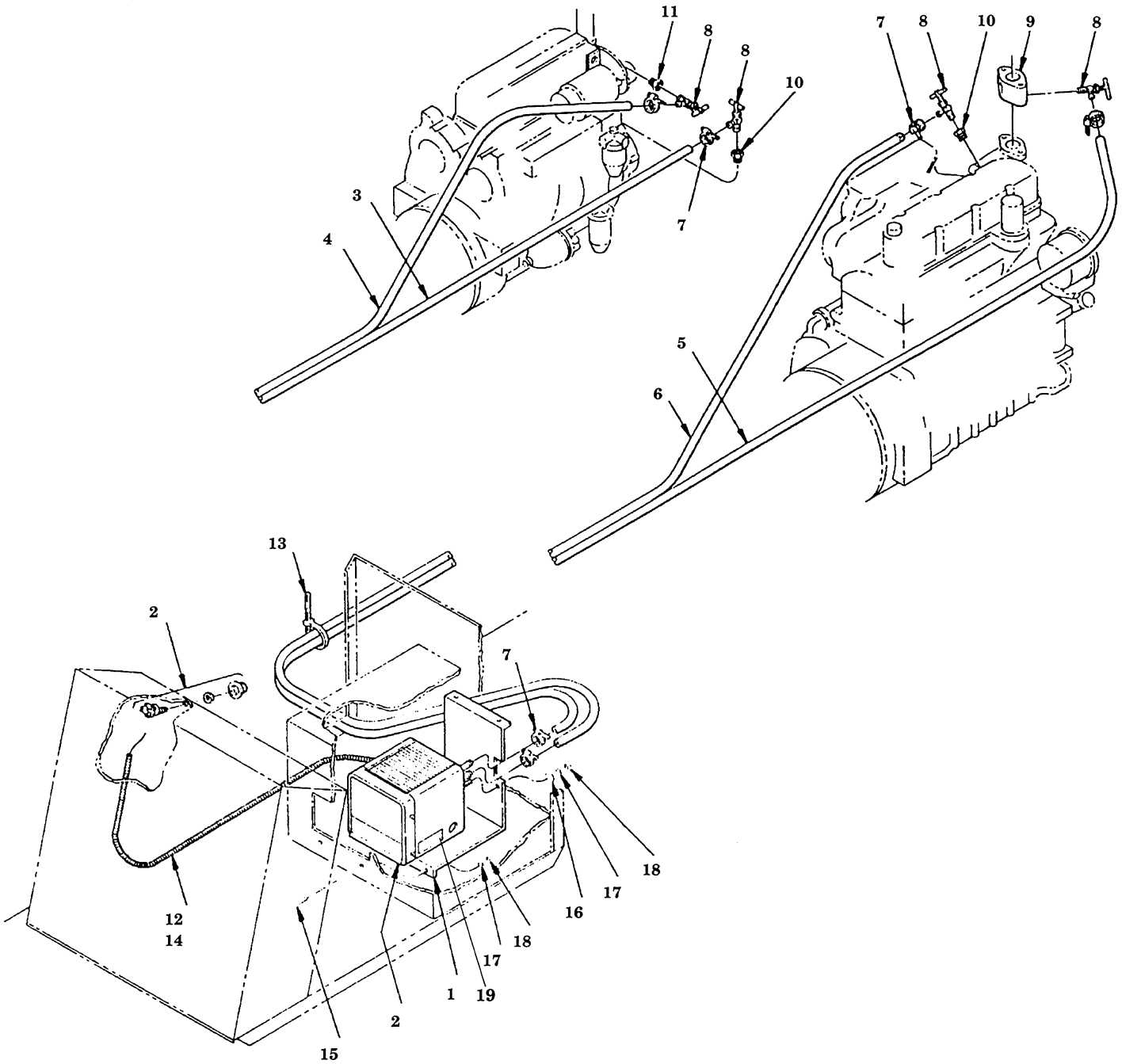



Figure 16852

## 16852

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 16422C | Mounting Panel, Heater | 1 | ..... | |
| 2 | P12390 | Heater Assembly, Hot Water | 1 | ..... | Includes Switch and Item 8 |
| 3 | N11402 | Heater Hose | 1 | ..... | 5/8" x 89", Detroit |
| 4 | N11404 | Heater Hose | 1 | ..... | 5/8" x 101", Detroit |
| 5 | N11403 | Heater Hose | 1 | ..... | 5/8" x 98", Deere |
| 6 | N11405 | Heater Hose | 1 | ..... | 5/8" x 108", Deere |
| 7 | P10186 | Clamp, Hose | 4 | ..... | |
| 8 | P23266 | Valve, Shut-Off | 2 | ..... | |
| 9 | 18412B | Housing Extension | 1 | ..... | Deere, Replaces Standard Equip. |
| 10 | P10120 | Bushing, Reducer | 1 | ..... | |
| 11 | P10181 | Bushing, Reducer | 1 | ..... | Detroit |
| 12 | P17989 | Ty-Rap | 3 | ..... | |
| 13 | P16724 | Loom | 60" | ..... | |
| 14 | — | Wire, Electrical | 60" | ..... | 14 GA. |
| 15 | P00204 | Bolt, Hx. | 4 | ..... | 3/8"-16 x 1" |
| 16 | P01404 | Flatwasher | 3 | ..... | 3/8" |
| 17 | P01310 | Lockwasher | 7 | ..... | 3/8" |
| 18 | P01508 | Nut, Hx. | 7 | ..... | 3/8"-16 |
| 19 | P30022 | Heater Core | 1 | ..... | |

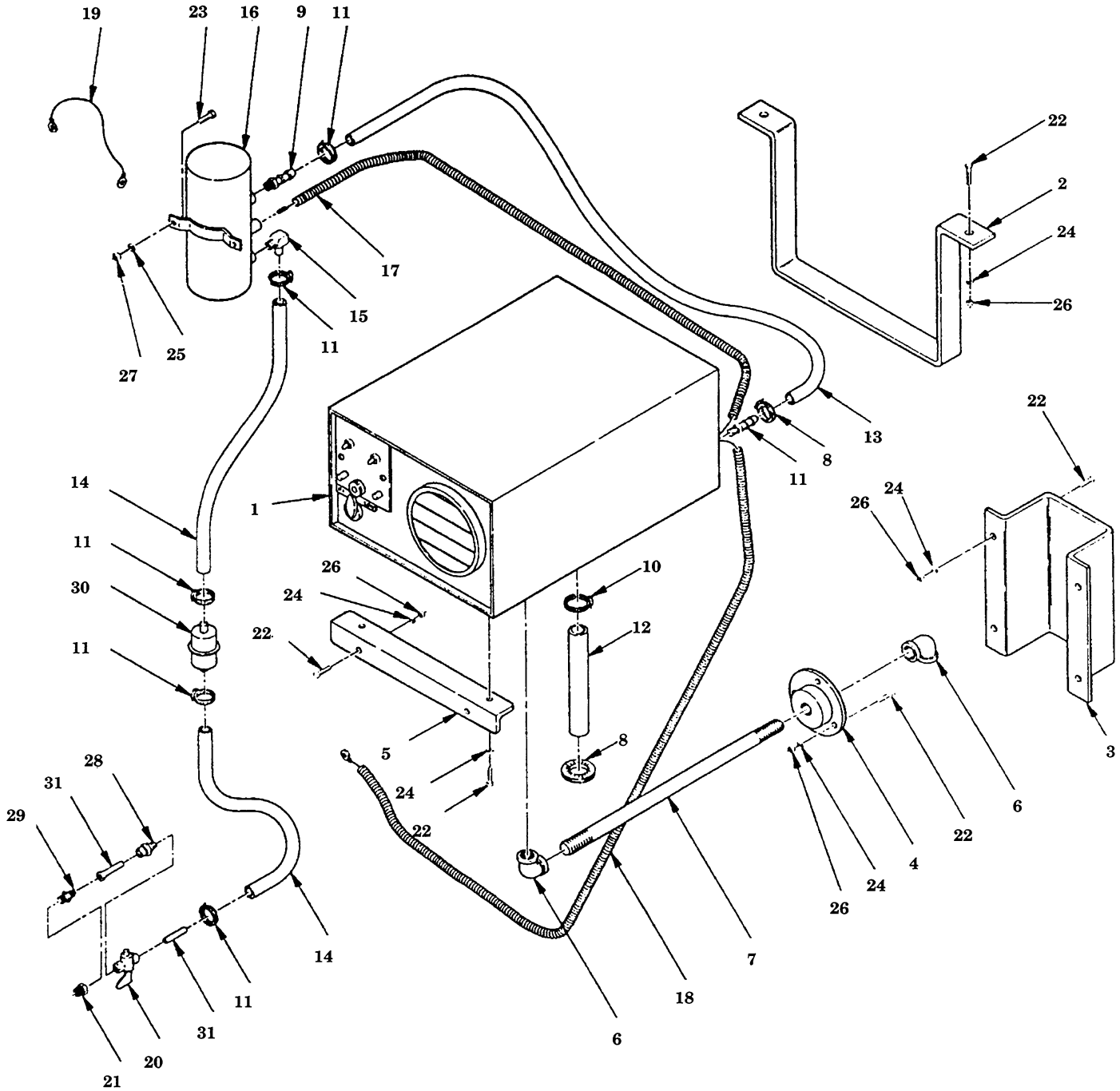



**Figure 16853**

## 16853

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P21598 | Heater Unit | 1 | ..... | |
| 2 | 18589B | Hanger | 1 | ..... | |
| 3 | 18588B | Shield, Exhaust | 1 | ..... | |
| 4 | P21671 | Insulator, Exhaust | 1 | ..... | |
| 5 | 18590A | Bracket, Support | 1 | ..... | |
| 6 | P10130 | 90° Elbow, Pipe | 2 | ..... | |
| 7 | 18592A | Pipe, Exhaust | 1 | ..... | |
| 8 | 17301C-1 | Grommet | 1 | ..... | |
| 9 | P21670 | Adapter, Hose | 2 | ..... | |
| 10 | P10601 | Clamp, Hose | 1 | ..... | |
| 11 | P13613 | Clamp, Hose | 6 | ..... | |
| 12 | P21698 | Hose | 1 | ..... | 1" x 7-1/2" |
| 13 | P17210 | Hose | 1 | ..... | 1/4" x 65" |
| 14 | P17210 | Hose | 2 | ..... | 1/4" x 16" |
| 15 | P21669 | Hose Adapter, 90° | 1 | ..... | |
| 16 | P21597 | Fuel Pump, Electric | 1 | ..... | |
| 17 | 18594-1B | Wire | 1 | ..... | 14 GA Red x 66" |
| 18 | 18594-2B | Wire | 1 | ..... | 12 GA. Red x 80" |
| 19 | 18594-3B | Wire | 1 | ..... | 12 GA Black x 8" |
| 20 | P21558 | Shut-Off Cock | 1 | ..... | |
| 21 | P10693 | Bushing, Reducer | 1 | ..... | |
| 22 | P00003 | Bolt, Hx. | 13 | ..... | 1/4"-20 x 3/4" |
| 23 | P00104 | Bolt, Hx. | 2 | ..... | 5/16"-18 x 1" |
| 24 | P01308 | Lockwasher | 13 | ..... | 1/4" |
| 25 | P01309 | Lockwasher | 2 | ..... | 5/16" |
| 26 | P01506 | Nut, Hx. | 11 | ..... | 1/4"-20 |
| 27 | P01507 | Nut, Hx. | 2 | ..... | 5/16"-18 |
| 28 | P15310 | 45° Flare Nut | 1 | ..... | |
| 29 | P15429 | Connector | 1 | ..... | |
| 30 | P15267 | Filter, Fuel | 1 | ..... | |
| 31 | N11416 | Adapter, Tube | 2 | ..... | |

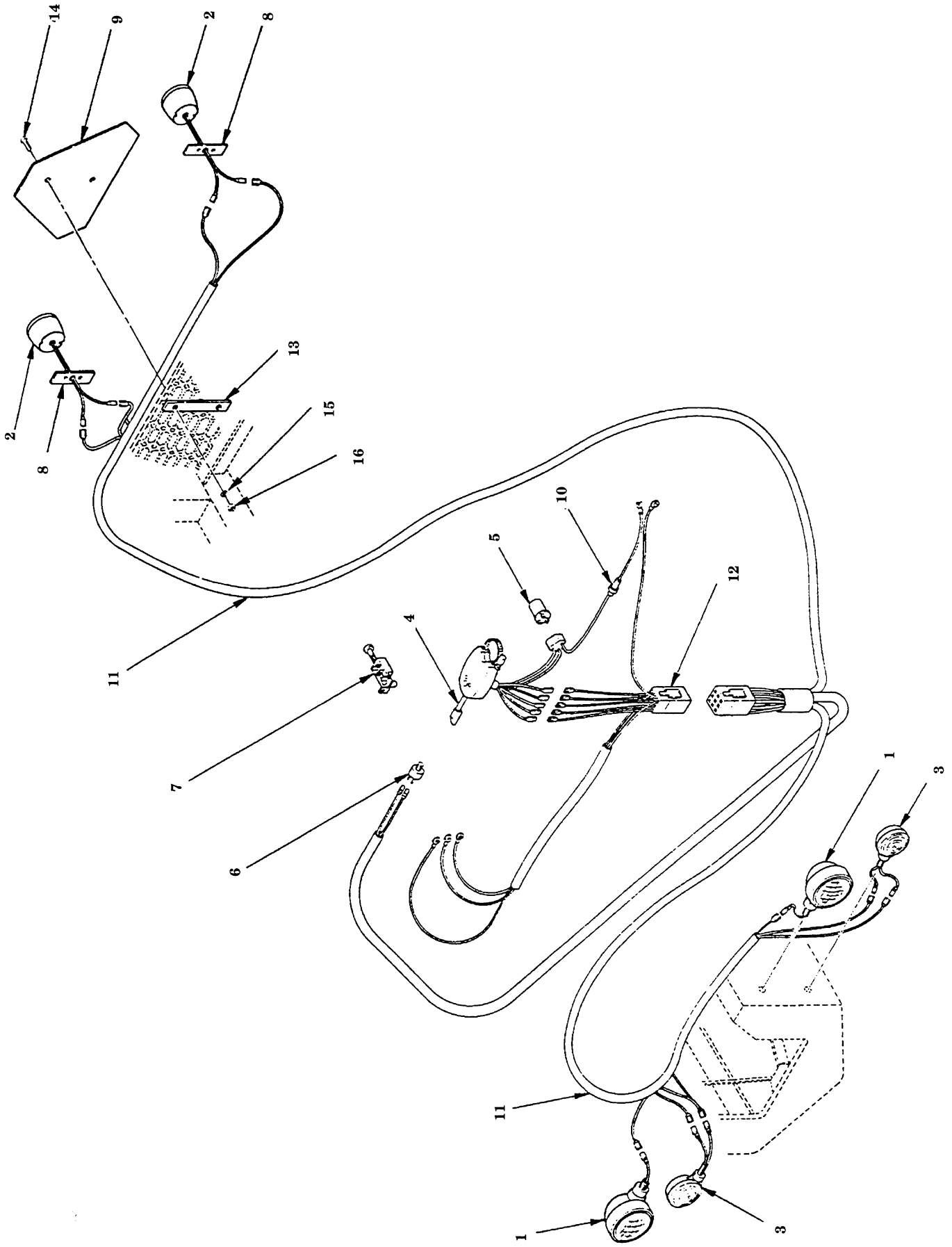



Figure 16854

## 16854

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20280 | Headlight | 2 | ..... | |
| 2 | P19260 | Light, Indicator | 2 | ..... | Rear |
| 3 | P19189 | Light, Indicator | 2 | ..... | Front |
| 4 | P19191 | Indicator, Turn Signal | 1 | ..... | |
| 5 | P19190 | Flasher | 1 | ..... | 3 - Prong |
| 6 | P19193 | Switch, Brake Pressure | 1 | ..... | |
| 7 | P19192 | Switch, Light On-Off | 1 | ..... | |
| 8 | 16593A | Washer, Backing | 2 | ..... | |
| 9 | P19841 | Sign, Slow Moving | 1 | ..... | |
| 10 | P19104 | Fuse | – | ..... | SFE 20 amp |
| 11 | P19740 | Harness, Lights | 1 | ..... | |
| 12 | P199741 | Harness, Turn Signal | 1 | ..... | |
| 13 | 16594A | Washer, Backing | 1 | ..... | |
| 14 | P02135 | Screw, Rd. Hd. | 2 | ..... | 1/4"-20 x 1-1/2" |
| 15 | P01308 | Lockwasher | 2 | ..... | 1/4" |
| 16 | P01506 | Nut, Hx. | 2 | ..... | 1/4"-20 |

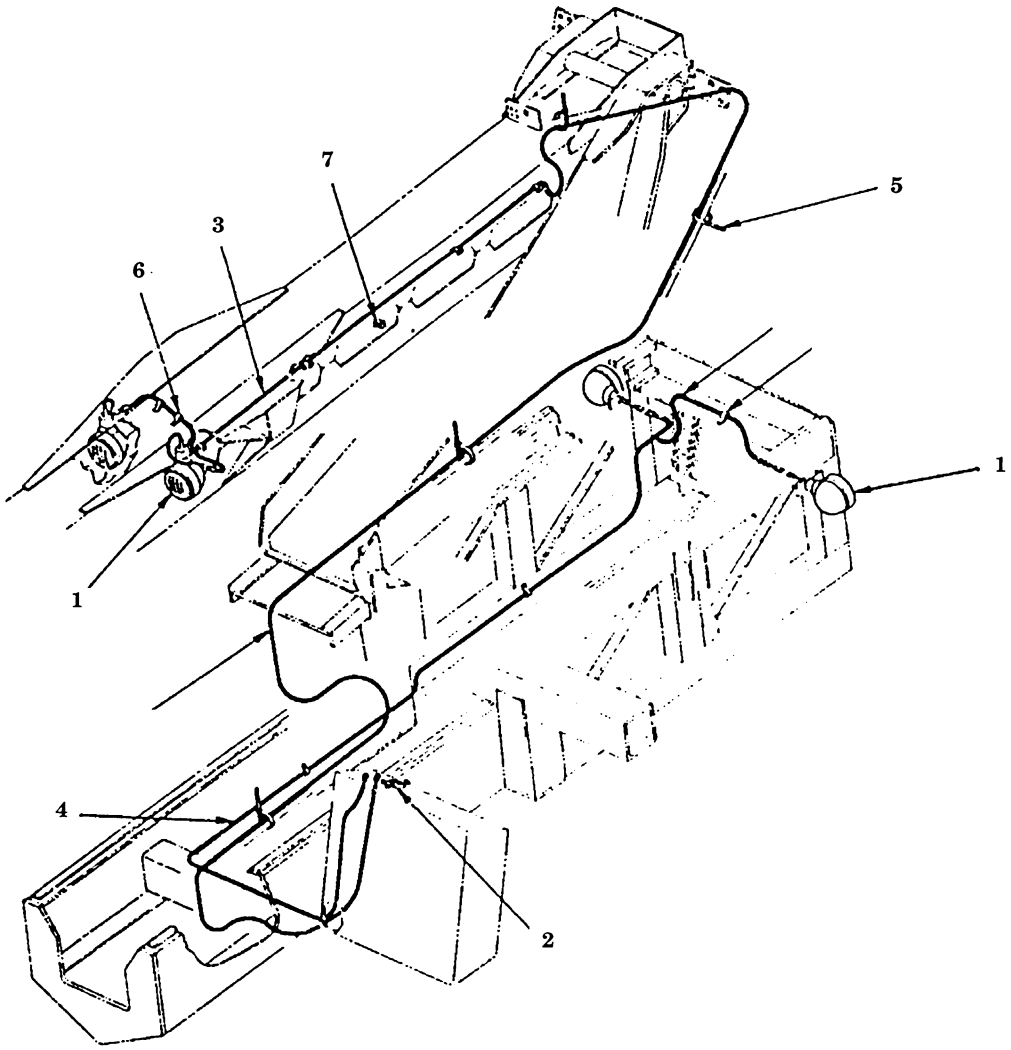



**Figure 16855**

## 16855

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20280 | Headlight | 4 | ..... | |
| 2 | P19192 | Light On-Off Switch | 1 | ..... | |
| 3 | 17005B | Harness, Boom Lights | 1 | ..... | |
| 4 | 17006B | Harness, Frame Lights | 1 | ..... | |
| 5 | P17989 | Ty-Rap | 12 | ..... | |
| 6 | P16658 | Welding Clip | 12 | ..... | |
| 7 | 16683A | Push On Wire Clip | 10 | ..... | |

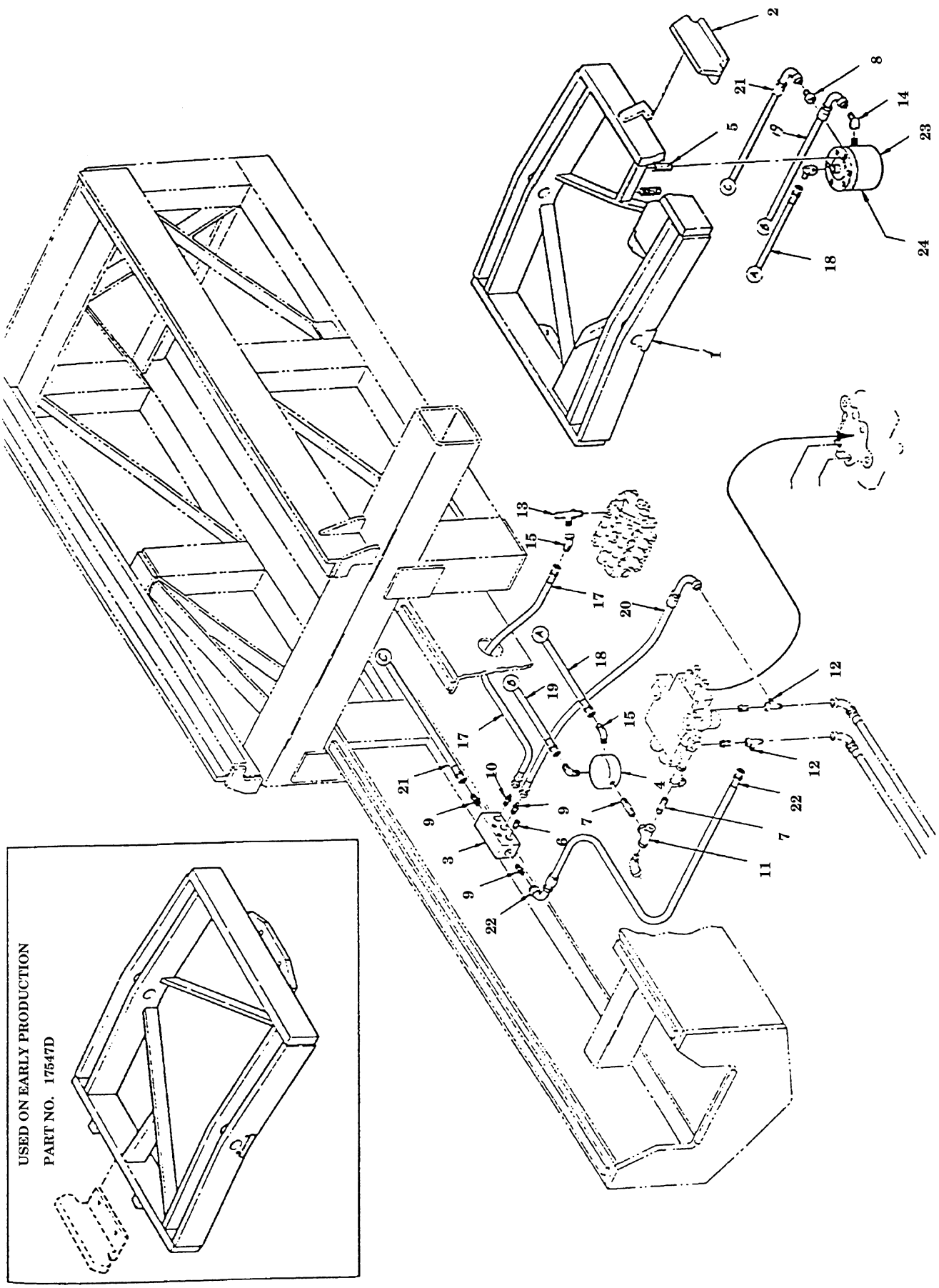



**Figure 16860**

## 16860

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 21598D | Oscillation Frame | 1 | 823 – | Replaces Standard Equip. |
| | 17520D | Oscillation Frame | 1 | 553 – 822 | Replaces Standard Equip. |
| | 17547D | Oscillation Frame | 1 | 101 – 552 | Replaces Standard Equip. |
| 2 | 21605B | Bolster Foot | 1 | 823 – | |
| | 17517B | Bolster Foot | 1 | 101 – 822 | |
| 3 | P21871 | Block Manifold | 1 | ..... | |
| 4 | P21874 | Y-Manifold | 1 | ..... | |
| 5 | P21784 | Spring | 2 | ..... | |
| 6 | P10740 | Plug, Pipe | 1 | ..... | |
| 7 | P10830 | Nipple, Long | 2 | ..... | |
| 8 | P17791 | Adapter | 1 | ..... | |
| 9 | P17804 | Connector, Male | 3 | ..... | |
| 10 | P19805 | Connector, Male | 1 | ..... | |
| 11 | P10173 | Tee, Pipe | 1 | ..... | |
| 12 | P19804 | Tee, Swivel | 2 | ..... | |
| 13C | P18928 | Tee, O-Ring | 1 | ..... | |
| 14 | P19806 | 45° Elbow | 2 | ..... | |
| 15 | P19807 | 45° Elbow | 2 | ..... | |
| 16 | P19423 | 45° Elbow, Swivel | 1 | ..... | |
| 17 | P18088 | Hyd. Hose | 1 | ..... | .50" x 50" |
| 18 | P18097 | Hyd. Hose | 1 | ..... | .50" x 92" |
| 19 | P18098 | Hyd. Hose | 1 | ..... | .50" x 104" |
| 20 | P18090 | Hyd. Hose | 1 | ..... | .75" x 33" |
| 21 | P18099 | Hyd. Hose | 1 | ..... | .75" x 106" |
| 22 | P21358 | Hyd. Hose | 1 | ..... | .75" x 28" |
| 23 | 17501C | Load Sensor | 1 | ..... | |
| NI | P21870 | Locating Washer, Axle | 1 | ..... | |

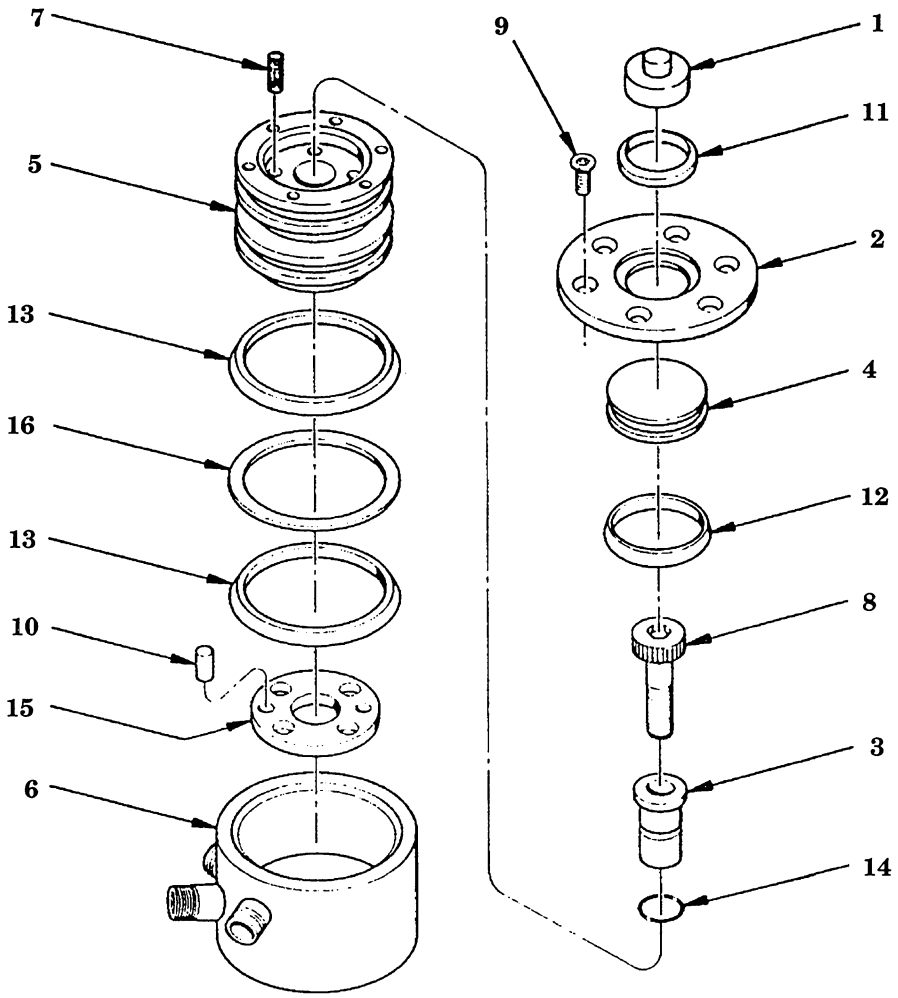



**Figure 16859**

## 16859

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P21862 | Shim Block | – | ..... | .50" (Under) |
| | P21863 | Shim Block | – | ..... | .56" (Std.) |
| | P21864 | Shim Block | – | ..... | .62" (Over) |
| 2 | P21865 | Cover | 1 | ..... | |
| 3 | P21866 | Bushing | 1 | ..... | |
| 4 | P21867 | Wear Take-Up | 1 | ..... | |
| 5 | P21868 | Piston | 1 | ..... | |
| 6 | P21869 | Housing | 1 | ..... | |
| 7 | P21713 | Spring | 4 | ..... | |
| 8 | P21717 | Bolt | 1 | ..... | Self-Lock |
| 9 | P21718 | Screw | 6 | ..... | Self-Lock |
| 10 | — | Dowel Pin | 2 | ..... | 1/4" x 3/4" |
| 11 | P21714 | Wiper | 1 | ..... | |
| 12 | P21715 | Seal | 1 | ..... | |
| 13 | P21716 | Seal | 2 | ..... | |
| 14 | P21734 | O-Ring | 1 | ..... | |
| 15 | P21755 | Seal, Bed | 1 | ..... | |
| 16 | P21756 | Back-Up Ring | 1 | ..... | |
| NI | 17549A | Seal Kit | 1 | ..... | Includes Items 11-16 |

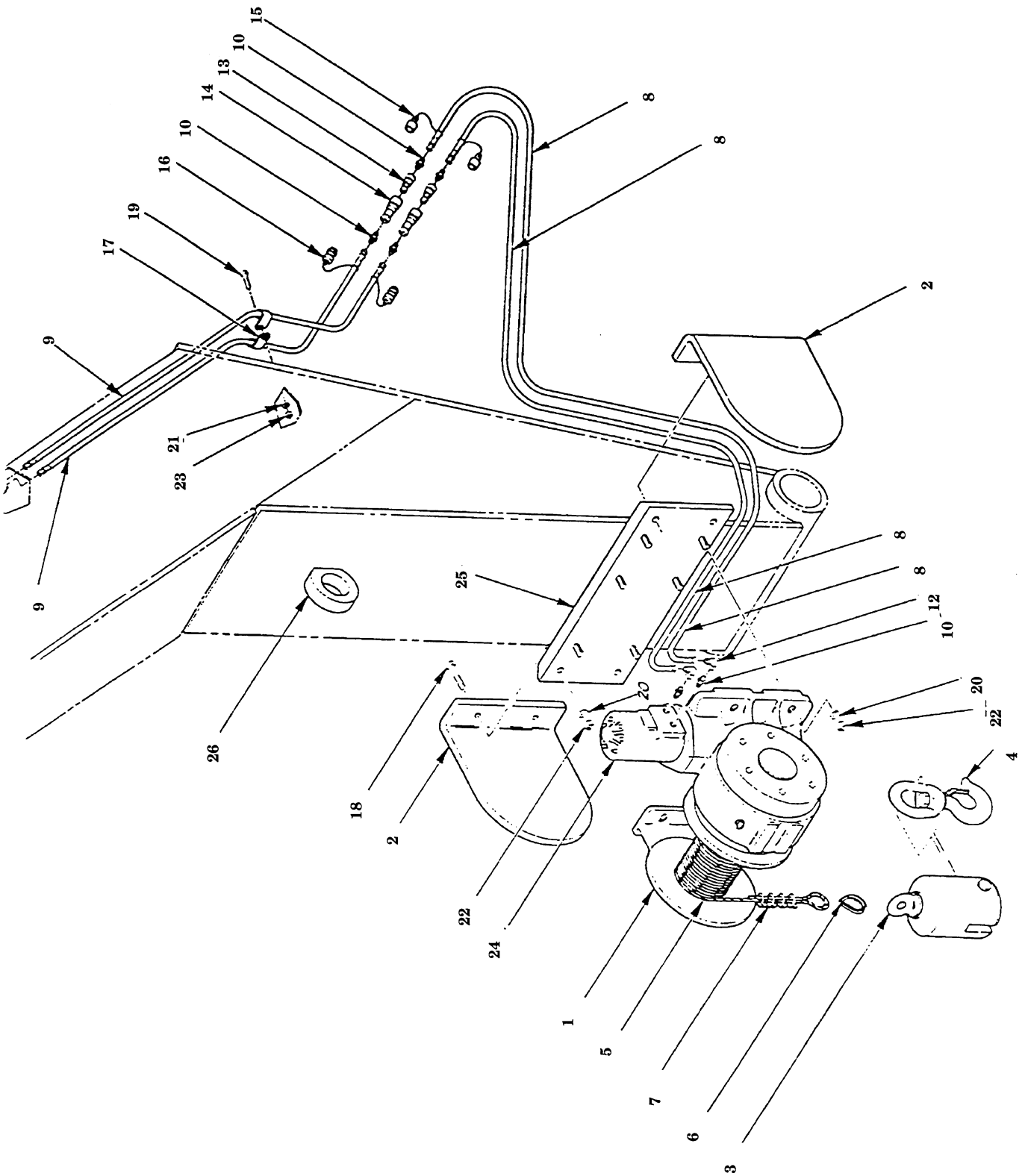



**Figure 16861**

# 16861

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | 16861 | Winch Assembly | – | ..... | Includes Items 1–26 |
| 1 | P21551 | Hydraulic Winch | 1 | ..... | Includes Item 24 |
| 2 | 17957B | Guard | 2 | ..... | |
| 3 | 17955B | Weight, Cable Tension | 1 | ..... | Includes Item 4 |
| 4 | P21552 | Hook, Swivel | s | ..... | |
| 5 | N11410 | Wire Rope | 1 | ..... | .38" Dia. |
| 6 | P21556 | Thimble | 1 | ..... | |
| 7 | P21557 | Clip | 4 | ..... | |
| 8 | P23853 | Hyd. Hose | 2 | ..... | .50" x 26" ❶ |
| 9 | P18103 | Hyd. Hose | 2 | ..... | .50" x 26" ❶ |
| 10 | P18933 | Connector, Male | 6 | ..... | |
| 12 | P21579 | 90° Elbow, Swivel | 2 | ..... | |
| 13 | P11353 | Quick Coupler, Male | 2 | ..... | |
| 14 | P11354 | Quick Coupler, Female | 2- | ..... | |
| 15 | P10325 | Cap, Dust | 2 | ..... | |
| 16 | P10326 | Plug, Dust | 2 | ..... | |
| 17 | P17553 | Clamp, Hyd. Hose | 2 | ..... | |
| 18 | P00457 | Bolt, Hx. | 4 | ..... | 1/2"-20 x 2 1/4" |
| 19 | P00204 | Bolt, Hx. | 1 | ..... | 3/8"-16 x 1" |
| 20 | P01312 | Lockwasher | 10 | ..... | 1/2" |
| 21 | P01310 | Lockwasher | 1 | ..... | 3/8" |
| 22 | P01533 | Nut, Hx. | 10 | ..... | 1/2"-20 |
| 23 | P01508 | Nut, Hx. | 1 | ..... | 3/8"-16 |
| 24 | P25250 | Motor, Winch | 1 | ..... | |
| 25 | 17953B | Mounting Bracket | 1 | ..... | |
| 26 | 17959A | Hook Latch | 1 | ..... | |
| NI | 179520 | Installation Drawing | – | ..... | |

NOTES:

❶ For single hose, use P25310, Hyd. Hose, .50" x 64"

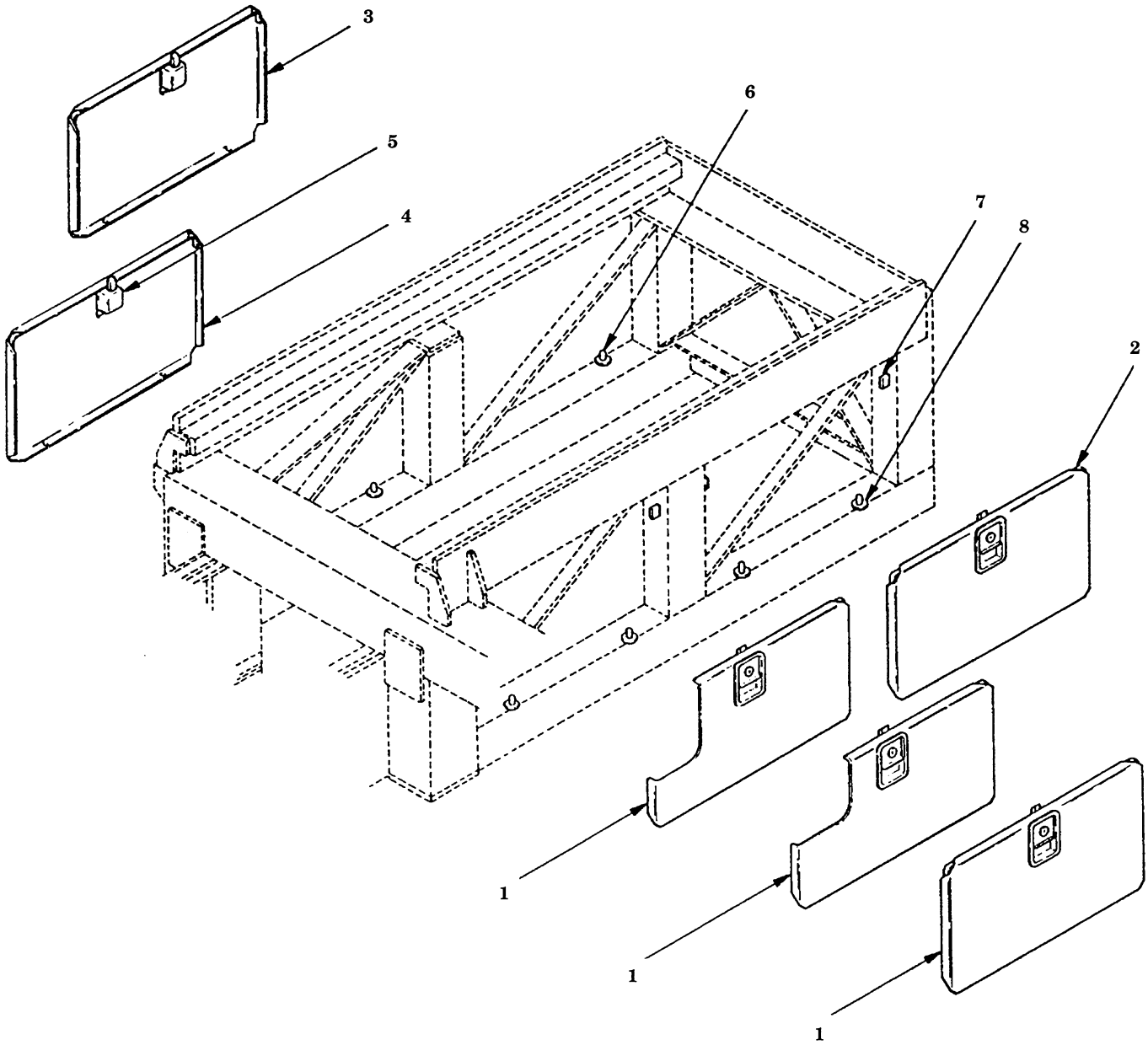



**Figure 16886**

## 16886

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 21674B | Side Panel | 1 | ..... | Deere |
| 1A | 21676B | Side Panel | 1 | ..... | Deutz |
| 1B | 18267B | Side Panel | 1 | ..... | Chrysler/Perkins |
| 2 | 18267B | Side Panel | 1 | ..... | |
| 3 | 18267B | Side Panel | 1 | ..... | |
| 4 | 18267B | Side Panel | 1 | ..... | |
| 5 | P19085 | Hand Lock | 2 | ..... | |
| 6 | 16199A | Pin | 8 | ..... | |
| 7 | N11398 | Tab | 8 | ..... | |
| 8 | P01404 | Flatwasher | 8 | ..... | 3/8" |

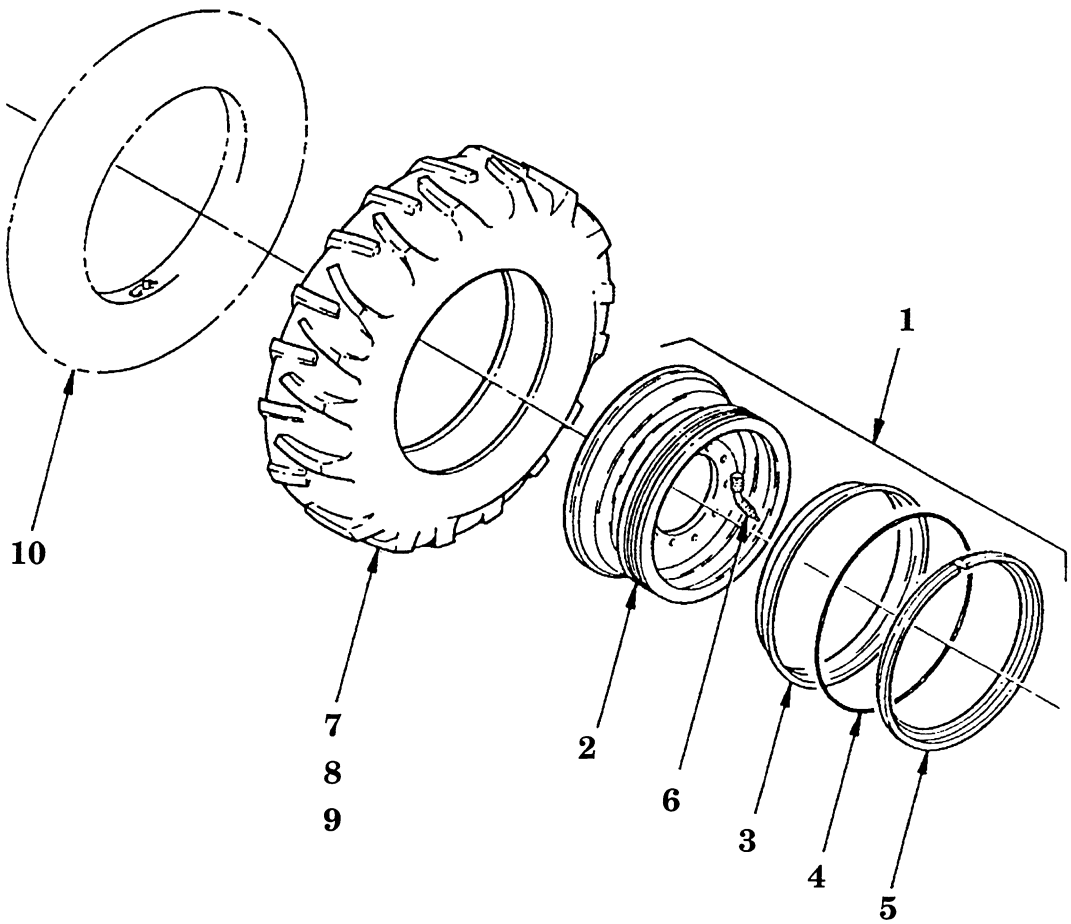



Figure 16888

## 16888

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | 16888-0 | Tire Assembly | – | ..... | Includes Items 1, 6, 7 |
| — | 16888-1 | Tire Assembly | – | ..... | Includes Items 1, 6, 7, 11 |
| — | 16888-2 | Tire Assembly | – | ..... | Includes Items 1, 6, 7, 12 |
| — | 16888-3 | Tire Assembly | – | ..... | Includes Items 1, 6, 8 |
| — | 16888-4 | Tire Assembly | – | ..... | Includes Items 1, 6, 8, 11 |
| — | 16888-5 | Tire Assembly | – | ..... | Includes Items 1, 6, 9 |
| — | 16888-6 | Tire Assembly | – | ..... | Includes Items 1, 6, 9, 11 |
| 1 | 12749C | Wheel Assembly | 1 | ..... | Includes 2 – 5 |
| 2 | 15500C | Wheel | 1 | ..... | |
| 3 | P17260 | Flange | 1 | ..... | |
| 4 | P16441 | O-Ring | 1 | ..... | |
| 5 | P16439 | Lockring | 1 | ..... | |
| 6 | P13673 | Valve Stem | 1 | ..... | |
| 7 | P11688 | Tire, Standard Equipment | 1 | ..... | 13.00 x 24 - 8 Ply |
| 8 | P16443 | Tire | 1 | ..... | 13.00 x 24 - Steel |
| 9 | P19043 | Tire | 1 | ..... | 13.00 x 24 - 12 Ply |
| 10 | P21570 | Tube | – | ..... | 13.00 x 24 |
| 11 | — | Sodium Chloride | – | ..... | 150 lbs. Required per Tire |
| 12 | N/A | Foam | – | ..... | 452 lbs. Required per Tire |

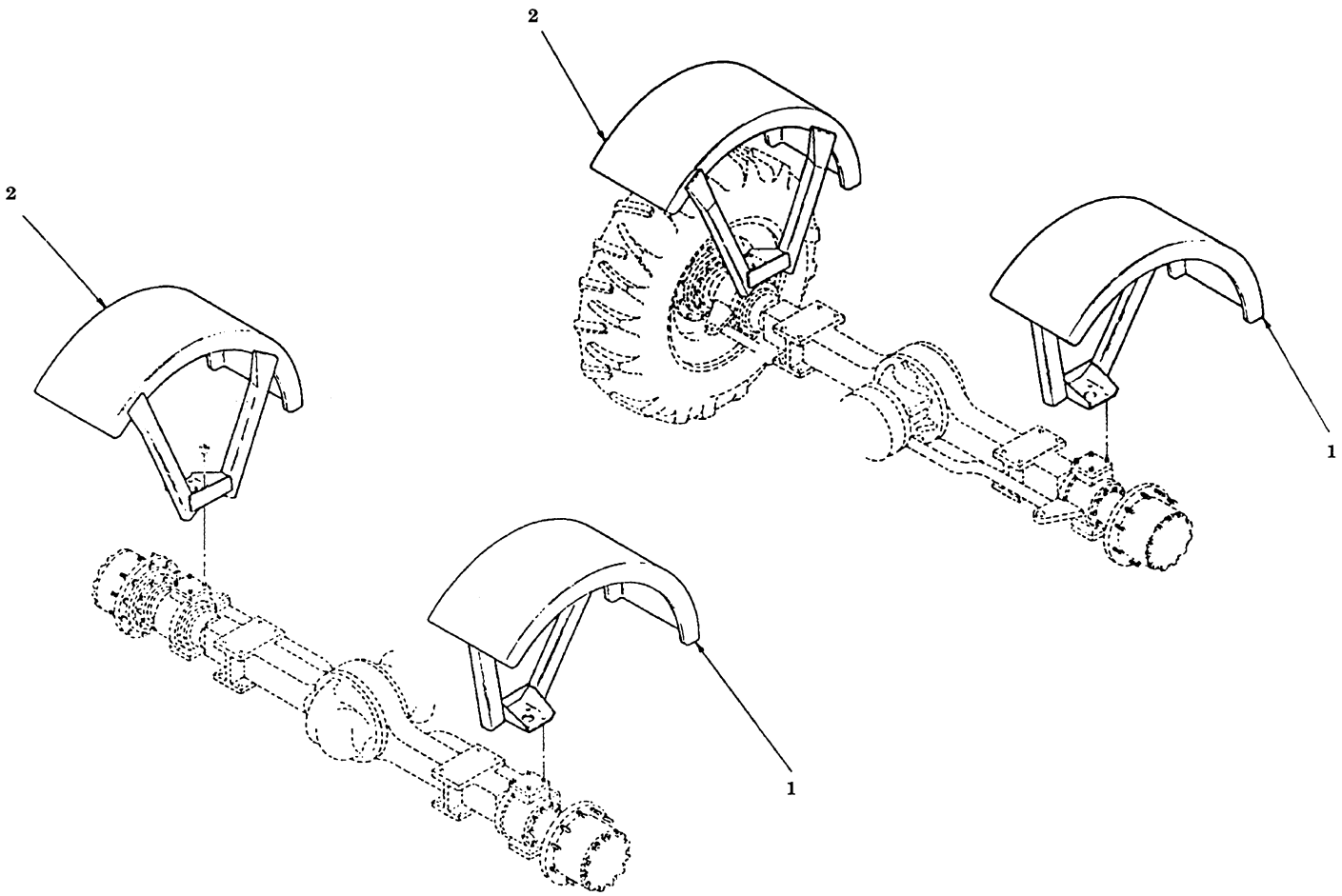



**Figure 16889**

## 16889

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 17041-1D | Fender | 2 | ..... | L.H. |
| 2 | 17041D | Fender | 2 | ..... | R.H. |

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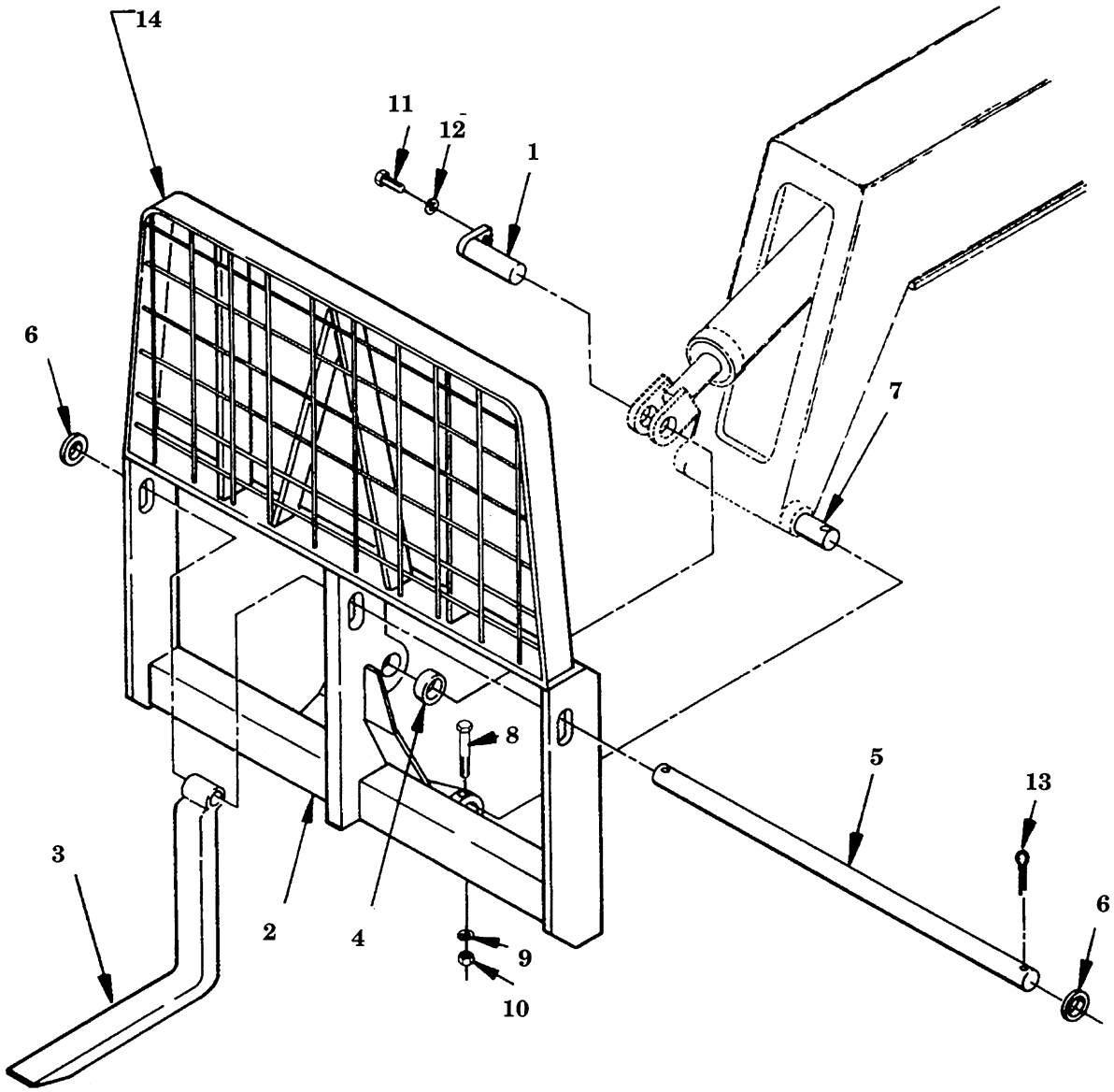



**Figure 18399**

## 18399

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 18128A | Pin, Carriage | 1 | ..... | |
| 2 | 18143D | Carriage, 50" Standard | 1 | ..... | |
| 3 | 16511C | Fork, 42" Pallet | 2 | ..... | |
| 4 | P18830 | Bushing | 1 | ..... | |
| 5 | 18134A | Shaft, Fork | 1 | ..... | |
| 6 | 18129A | Flatwasher | 2 | ..... | |
| 7 | 15723A | Pin, Carriage | 1 | ..... | |
| 8 | P00414 | Bolt, Hx | 1 | ..... | 1/2"-13 x 4" GR 5 |
| 9 | P01312 | Lockwasher | 1 | ..... | 1/2" |
| 10 | P01510 | Nut, Hx. | 1 | ..... | 1/2"-13 |
| 11 | P00204 | Bolt, Hx. | 1 | ..... | 3/8"-16 x 1" |
| 12 | P01310 | Lockwasher | 1 | ..... | 3/8" |
| 13 | P03903 | Cotter Pin | 2 | ..... | 3/8" Dia. x 2" LG. |
| 14 | 18295C | Backrest, Bolt-on Type | – | ..... | |
| NI | — | Bolt, Hx., Backrest Mounting | 4 | ..... | 5/8"-11 x 1 1/2" |
| NI | P15272 | Grease Zerk | 1 | ..... | |

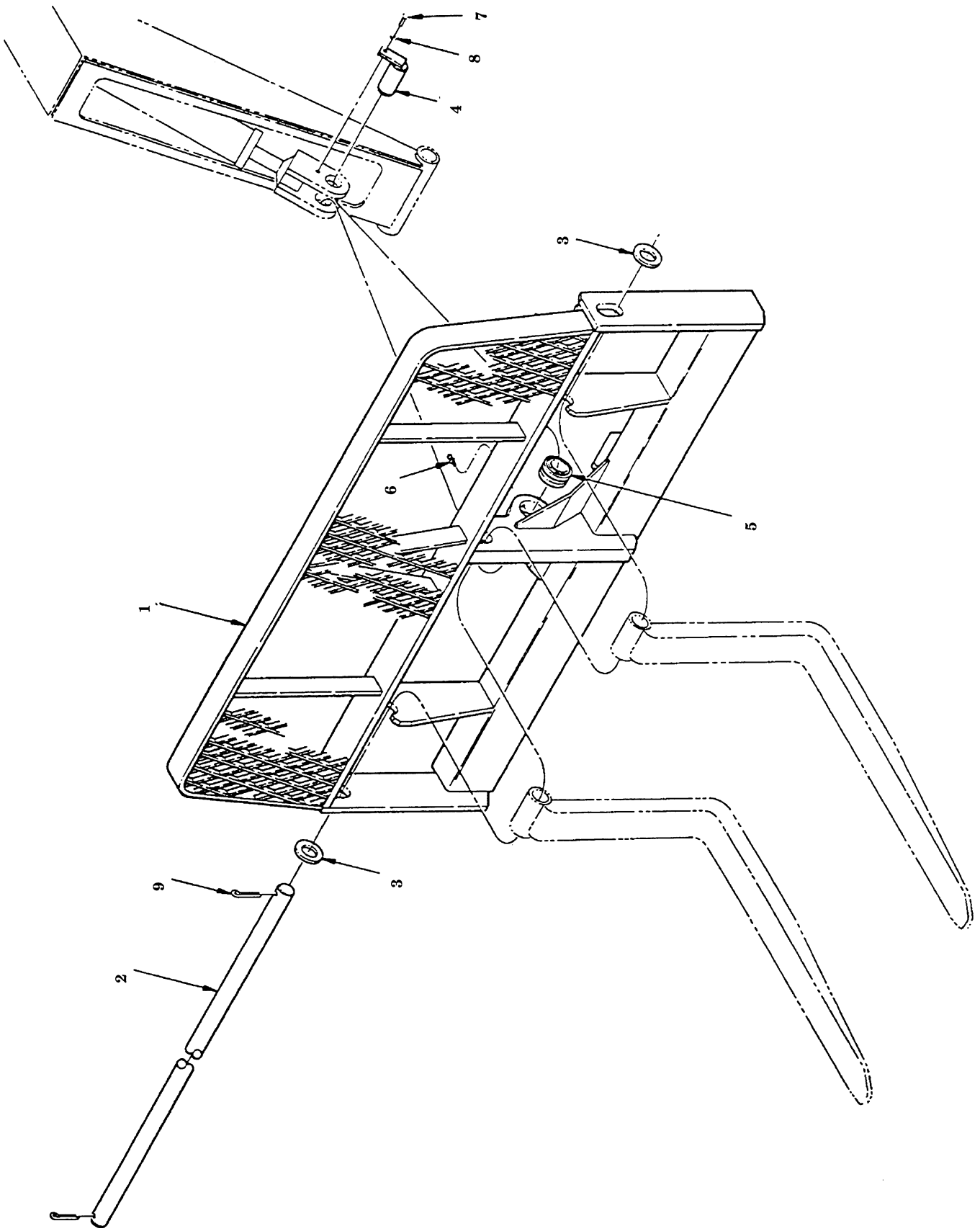



Figure 16868

## 16868

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 18142D | Carriage, Framers | 1 | ..... | |
| 2 | 18138A | Shaft, Fork | 1 | ..... | |
| 3 | P19926 | Washer, Spacer | 2 | ..... | |
| 4 | 18128A | Pin, Tilt Cylinder | 1 | ..... | Boom |
| 5 | P18830 | Bushing, Carriage | 1 | ..... | |
| 6 | P16611 | Grease Zerk | 1 | ..... | |
| 7 | P00204 | Bolt, Hx. | 1 | ..... | 3/8"-16 x 1" |
| 8 | P01310 | Lockwasher | 1 | ..... | 3/8" |
| 9 | P03906 | Cotter Pin | 2 | ..... | 3/8" x 3" |

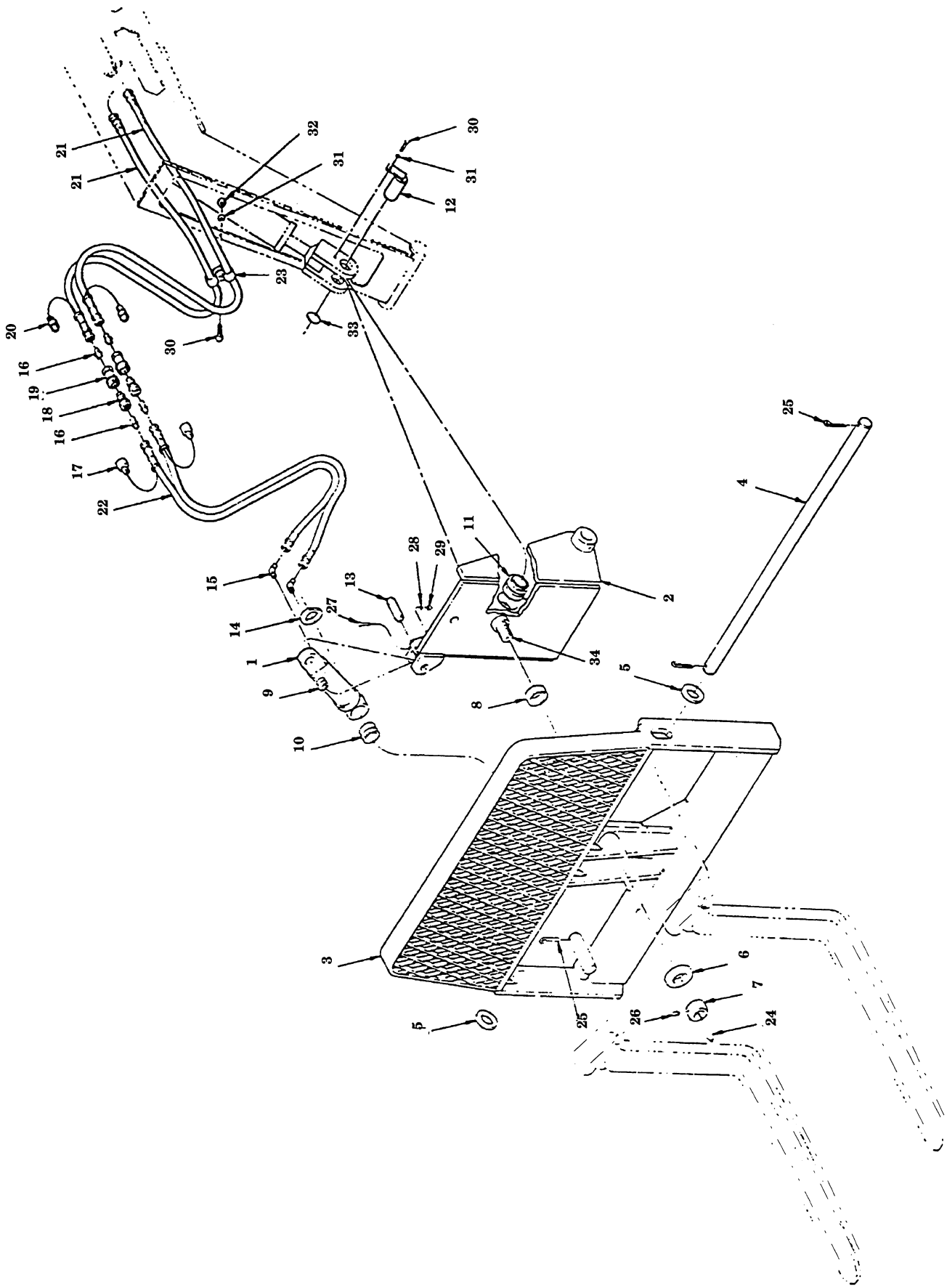



Figure 16872

# 16872

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20139 | Carriage Tilt Cylinder | 1 | ..... | |
| 2 | 18278D | Inner Carriage | 1 | ..... | |
| 3 | 18279D | Outer Carriage | 1 | ..... | |
| 4 | 18134A | Fork Shaft | 1 | ..... | |
| 5 | P19926 | Spacer Washer | 2 | ..... | |
| 6 | 16223A | Thrust Washer | 1 | ..... | |
| 7 | 16224A | Nut, Pivot Shaft | 1 | ..... | |
| 8 | P20889 | Bushing, Pivot Shaft | 1 | ..... | |
| 9 | P25199 | Bushing, Cylinder, Upper | 1 | ..... | |
| 10 | 16228A | Bushing, Cylinder, Lower | 1 | ..... | |
| 11 | P18830 | Bushing, Inner Carriage | 1 | ..... | |
| 12 | 18128A | Pin, Boom Tilt Cylinder | 1 | ..... | |
| 13 | 16229A | Pin, Carriage Tilt Cylinder | 1 | ..... | |
| 14 | 16323A | Washer, Special | 1 | ..... | |
| 15 | P18943 | 45° Elbow | 2 | ..... | |
| 16 | P19875 | Connector | 4 | ..... | |
| 17 | P10325 | Cap, Dust | 2 | ..... | |
| 18 | P11353 | Quick Coupler, Male | 2 | ..... | |
| 19 | P11354 | Quick Coupler, Female | 2 | ..... | |
| 20 | P10326 | Plug, Dust | 2 | ..... | |
| 21 | P18904 | Hyd. Hose | 2 | 654 – | .38" x 36" |
| | P19498 | Hyd. Hose | 2 | 101 – 653 | .38" x 36" |
| 22 | P20836 | Hyd. Hose, Twin | 1 | ..... | .38" x 60" |
| 23 | P17553 | Clamp, Hyd. Hose | 2 | ..... | |
| 24 | P16611 | Grease Zerk | 3 | ..... | |
| 25 | P03906 | Cotter Pin | 3 | ..... | 3/8" x 3" |
| 26 | P02614 | Setscrew, Cup Pt. | 1 | ..... | 3/8"-16 |
| 27 | P00108 | Bolt, Hx. | 1 | ..... | 5/16"-18 x 2" |
| 28 | P01309 | Lockwasher | 1 | ..... | 5/16" |
| 29 | P01507 | Nut, Hx. | 1 | ..... | 5/16"-18 |
| 30 | P00204 | Bolt, Hx. | 2 | ..... | 3/8"-16 x 1" |
| 31 | P01310 | Lockwasher | 2 | ..... | 3/8" |
| 32 | P01508 | Nut, Hx. | 1 | ..... | 3/8"-16 |
| 33 | P18838 | Snap Ring | 1 | ..... | Early Production |
| 34 | 31406B | Pivot Shaft, Inner Carriage | 1 | ..... | |

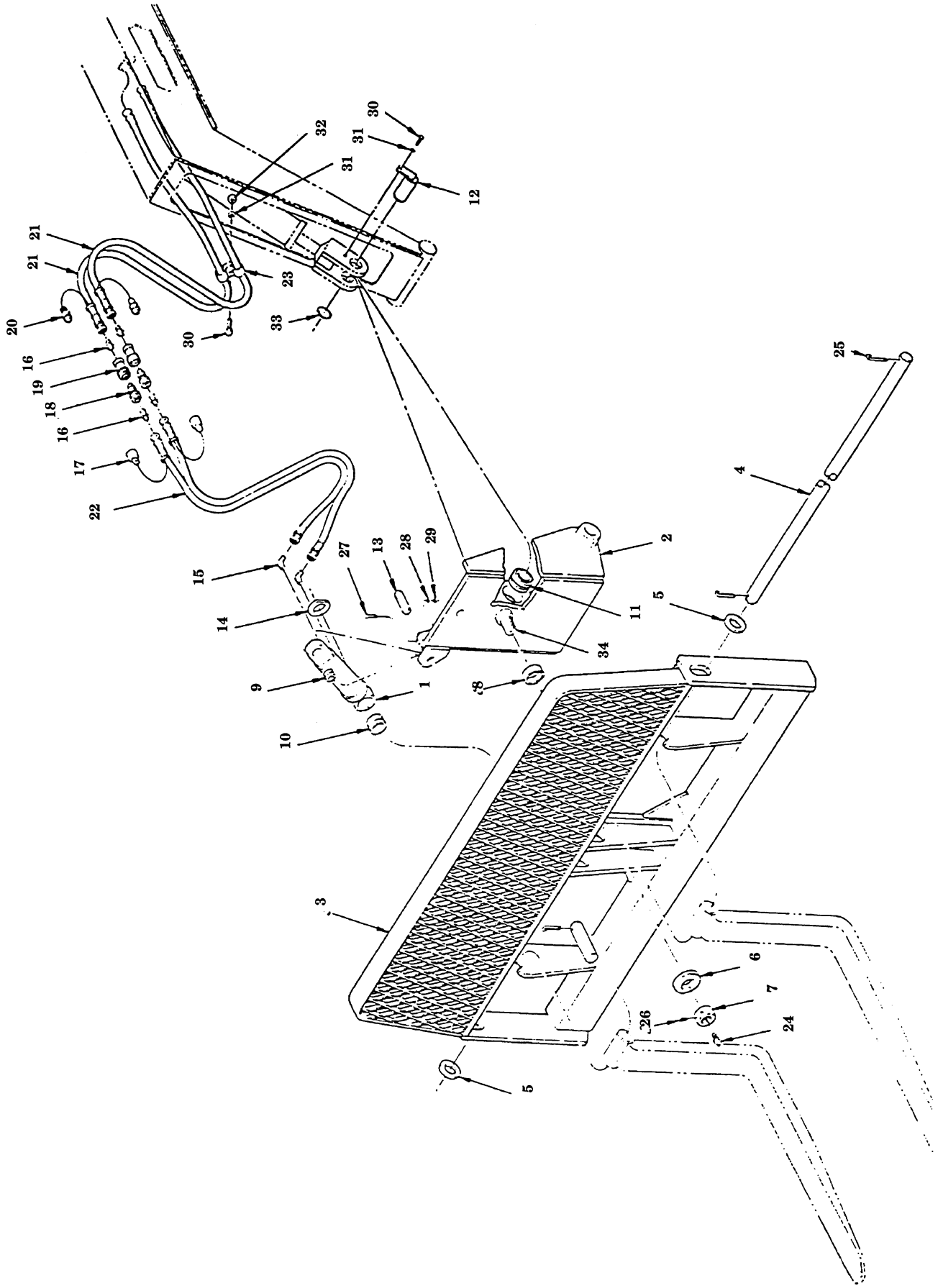



Figure 16870

## 16870

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P20139 | Carriage Tilt Cylinder | 1 | ..... | |
| 2 | 18278D | Inner Carriage | 1 | ..... | |
| 3 | 18280D | Outer Carriage | 1 | ..... | |
| 4 | 18138A | Fork Shaft | 1 | ..... | |
| 5 | P19926 | Spacer Washer | 2 | ..... | |
| 6 | 16223A | Thrust Washer | 1 | ..... | |
| 7 | 16224A | Nut, Pivot Shaft | 1 | ..... | |
| 8 | P20889 | Bushing, Pivot Shaft | 1 | ..... | |
| 9 | P25199 | Bushing, Cylinder, Upper | 1 | ..... | |
| 10 | 16228A | Bushing, Cylinder, Lower | 1 | ..... | |
| 11 | P18830 | Bushing, Inner Carriage | 1 | ..... | |
| 12 | 18128A | Pin, Boom Tilt Cylinder | 1 | ..... | |
| 13 | 16229A | Pin, Carriage Tilt Cylinder | 1 | ..... | |
| 14 | 16323A | Washer, Special | 1 | ..... | |
| 15 | P18943 | 45° Elbow | 2 | ..... | |
| 16 | P19875 | Connector | 4 | ..... | |
| 17 | P10325 | Cap, Dust | 2 | ..... | |
| 18 | P11353 | Quick Coupler, Male | 2 | ..... | |
| 19 | P11354 | Quick Coupler, Female | 2 | ..... | |
| 20 | P10326 | Plug, Dust | 2 | ..... | |
| 21 | P18904 | Hyd. Hose | 2 | 654 – | .38" x 36" |
| | P19498 | Hyd. Hose | 2 | 101 – 653 | .38" x 36" |
| 22 | P20836 | Hyd. Hose, Twin | 1 | ..... | .38" x 60" |
| 23 | P17553 | Clamp, Hyd. Hose | 2 | ..... | |
| 24 | P16611 | Grease Zerk | 3 | ..... | |
| 25 | P03906 | Cotter Pin | 3 | ..... | 3/8" x 3" |
| 26 | P02614 | Setscrew, Cup Pt. | 1 | ..... | 3/8"-16 |
| 27 | P00108 | Bolt, Hx. | 1 | ..... | 5/16"-18 x 2" |
| 28 | P01309 | Lockwasher | 1 | ..... | 5/16" |
| 29 | P01507 | Nut, Hx. | 1 | ..... | 5/16"-18 |
| 30 | P00204 | Bolt, Hx. | 2 | ..... | 3/8"-16 x 1" |
| 31 | P01310 | Lockwasher | 2 | ..... | 3/8" |
| 32 | P01508 | Nut, Hx. | 1 | ..... | 3/8"-16 |
| 33 | P18838 | Snap Ring | 1 | ..... | Early Production |
| 34 | 31406B | Pivot Shaft, Inner Carriage | 1 | ..... | |

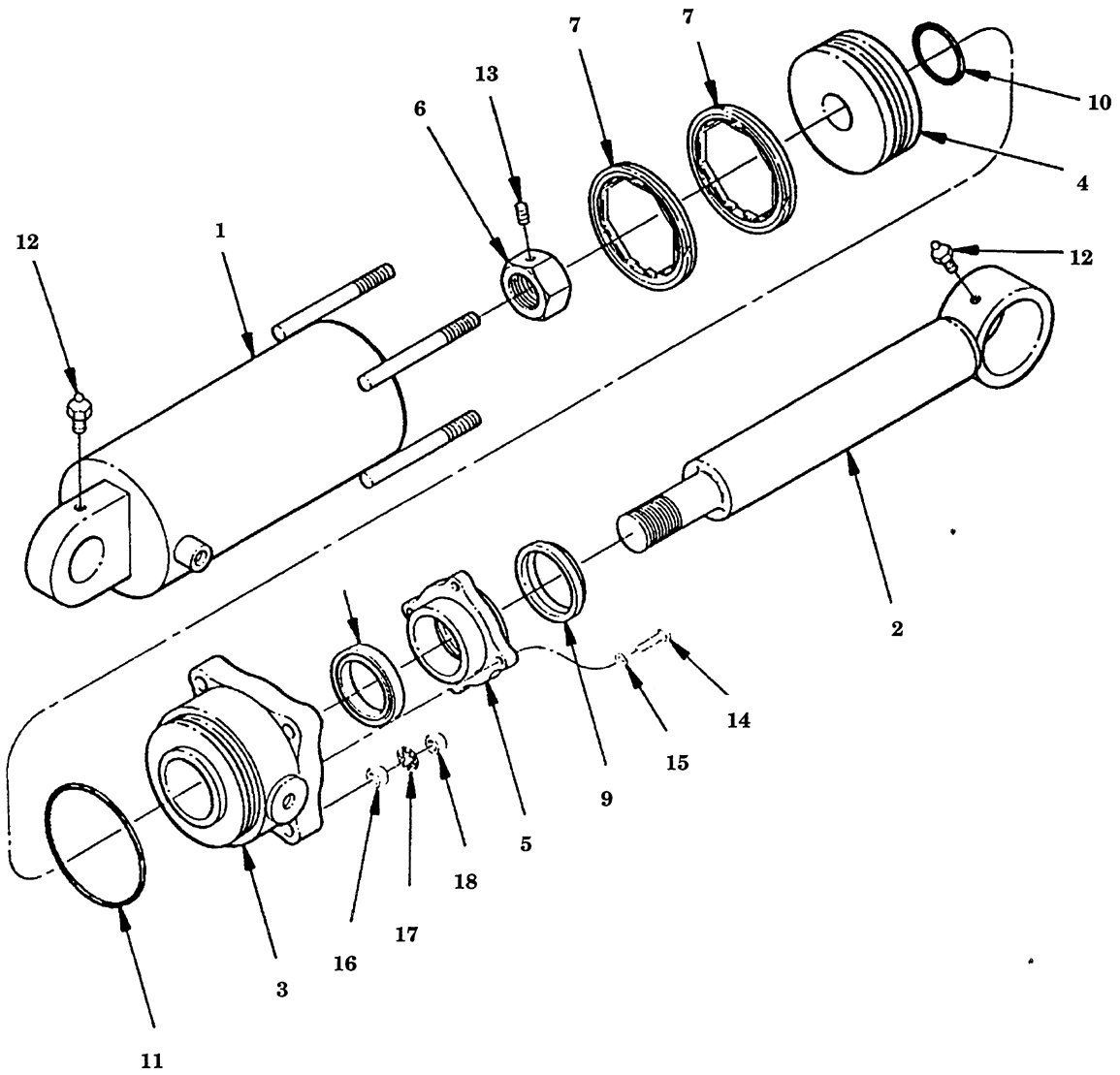



**Figure 16874**

## 16874

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | N.L.A. | Cylinder Assembly, Complete | — | ..... | Replace with P20139. Individual components still available. |
| 1 | 16475C | Weldment, Tube | 1 | ..... | |
| 2 | 16476C | Weldment, Shaft | 1 | ..... | |
| 3 | 14013C | End Gland | 1 | ..... | |
| 4 | 9879C | Piston | 1 | ..... | |
| 5 | 545C | Head | 1 | ..... | |
| 6 | 215A | Nut, Special | 1 | ..... | |
| 7 | P11347 | Ring, Piston | 2 | ..... | |
| 8 | P17458 | Seal | 1 | ..... | |
| 9 | P17459 | Wiper | 1 | ..... | |
| 10 | P11576 | O-Ring, Shaft | 1 | ..... | |
| 11 | P10316 | O-Ring | 1 | ..... | |
| 12 | P16611 | Grease Zerk | 2 | ..... | |
| 13 | P02564 | Set Screw | 1 | ..... | 1/4"-20 x 3/8" |
| 14 | P00104 | Bolt, Hx. | 4 | ..... | 5/16"-18 x 1" |
| 15 | P01309 | Lockwasher | 4 | ..... | 5/16" |
| 16 | P01533 | Nut, Hx. | 4 | ..... | 1/2"-20 |
| 17 | P01361 | Starwasher | 4 | ..... | 1/2" |
| 18 | P01583 | Jam Nut, Hx. | 4 | ..... | 1/2"-20 |

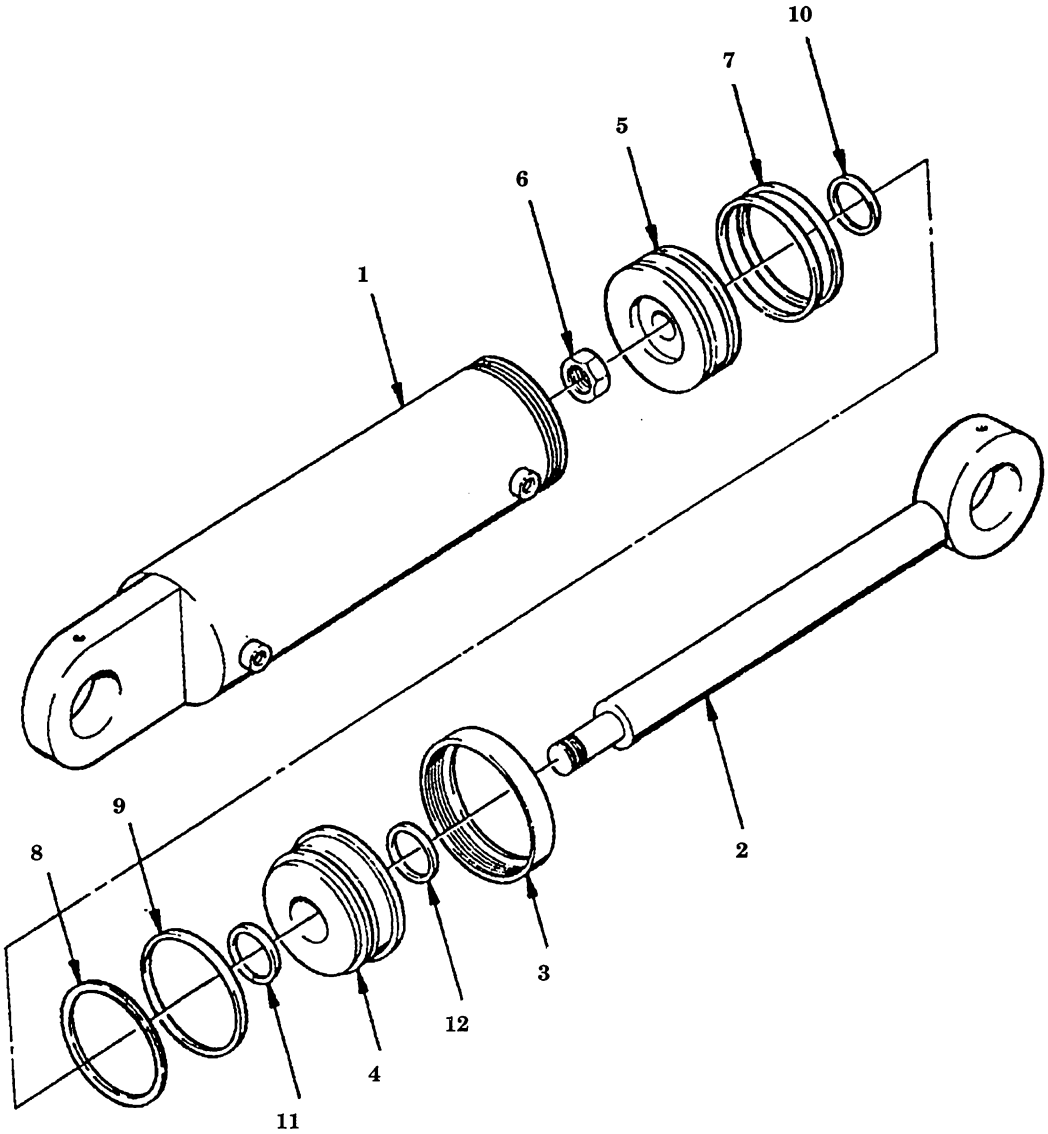



Figure 16874-1

## 16874-1

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| — | P20139 | Cylinder Assembly, Complete | — | ..... | |
| 1 | P25293 | Weldment, Tube | 1 | ..... | |
| 2 | P25297 | Weldment, Shaft | 1 | ..... | |
| 3 | P23778 | Retaining Nut | 1 | ..... | |
| 4 | P23788 | End Gland | 1 | ..... | |
| 5 | P19224 | Piston | 1 | ..... | |
| 6 | P19217 | Locknut | 1 | ..... | |
| 7 | P19223 | Urethane U-Cup | 2 | ..... | 4" O.D. |
| 8 | P20054 | Back-Up | 1 | ..... | 4" O.D. |
| 9 | P19221 | O-Ring | 1 | ..... | 4" O.D. |
| 10 | P19214 | O-Ring | 1 | ..... | 1-1/4" I.D. |
| 11 | P19242 | Urethane U-Cup | 1 | ..... | 2" I.D. |
| 12 | P19241 | Dust Seal | 1 | ..... | 2" I.D. |
| NI | P20119 | Seal Kit | 1 | ..... | |

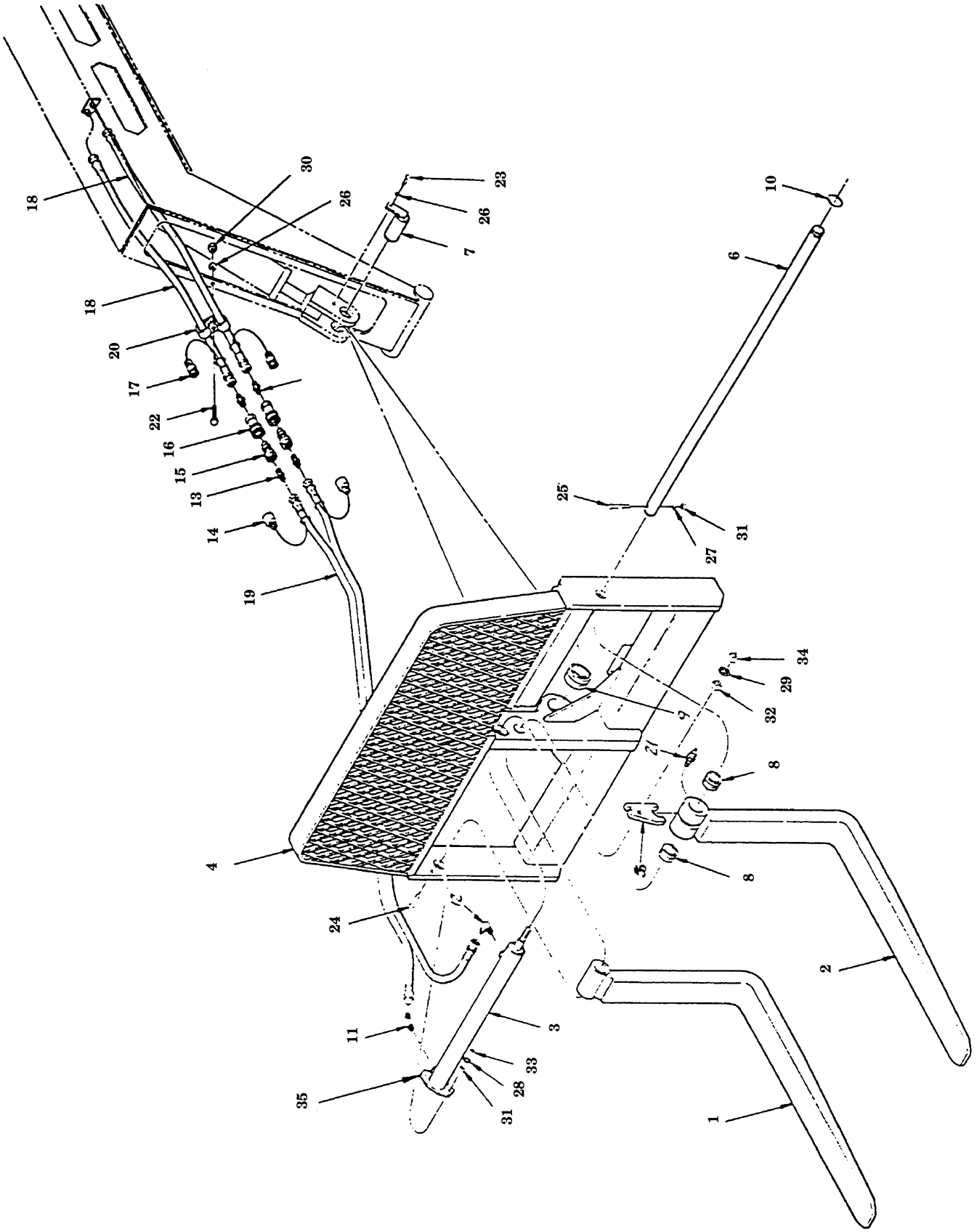



Figure 16865

## 16865

| ITEM | PART NO. | DESCRIPTION | QTY. | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | P19255 | 42" Fork | 1 | ..... | Standard |
| | P19389 | 48" Fork | – | ..... | Optional |
| 2 | 18656B | 42" Fork, Side Shift | 1 | ..... | Standard |
| | 18404B | 48" Fork, Side Shift | – | ..... | Optional |
| 3 | 16617D | Cylinder, Side Shift | 1 | ..... | |
| 4 | 18653D | Carriage, Side Shift | 1 | ..... | |
| 5 | 16643A | Fork Shifter | 1 | ..... | |
| 6 | 18658B | Fork Shaft | 1 | ..... | |
| 7 | 18128A | Pin, Boom Tilt Cylinder | 1 | ..... | |
| 8 | 18657A | Bushing, Fork | 2 | ..... | |
| 9 | P18830 | Bushing, Tilt Cylinder | 1 | ..... | |
| 10 | P19480 | Snap Ring | 1 | ..... | |
| 11 | P19550 | 45° Elbow | 1 | ..... | |
| 12 | P20374 | 90° Elbow | 1 | ..... | |
| 13 | P19875 | Connector | 4 | ..... | |
| 14 | P10325 | Cap, Dust | 2 | ..... | |
| 15 | P11353 | Quick Coupler, Male | 2 | ..... | |
| 16 | P11354 | Quick Coupler, Female | 2 | ..... | |
| 17 | P10326 | Plug, Dust | 2 | ..... | |
| 18 | P18904 | Hyd. Hose | 2 | 656 – | .38" x 36" |
| | P19498 | Hyd. Hose | 2 | 101 – 655 | .38" x 36" |
| 19 | P20836 | Hyd. Hose (Twin) | 1 | ..... | .38" x 60" |
| 20 | P17553 | Clamp, Hyd. Hose | 2 | ..... | |
| 21 | P16611 | Grease Zerk | 2 | ..... | |
| 22 | P00206 | Bolt, Hx. | 1 | ..... | 3/8"-16 x 1 1/2" |
| 23 | P00204 | Bolt, Hx. | 1 | ..... | 3/8"-16 x 1" |
| 24 | P00406 | Bolt, Hx. | 2 | ..... | 1/2"-13 x 2" |
| 25 | P00410 | Bolt, Hx. | 1 | ..... | 1/2"-13 x 3" |
| 26 | P01310 | Lockwasher | 2 | ..... | 3/8" |
| 27 | P01312 | Lockwasher | 1 | ..... | 1/2" |
| 28 | P01361 | Starwasher | 2 | ..... | 1/2" |
| 29 | P01364 | Starwasher | 1 | ..... | 3/4" |
| 30 | P01508 | Nut, Hx. | 1 | ..... | 3/8"-16 |
| 31 | P01510 | Nut, Hx. | 3 | ..... | 1/2"-13 |
| 32 | P01513 | Nut, Hx. | 1 | ..... | 3/4"-10 |
| 33 | P01560 | Jam Nut, Hx. | 2 | ..... | 1/2"-13 |
| 34 | P01563 | Jam Nut, Hx. | 1 | ..... | 3/4"-10 |

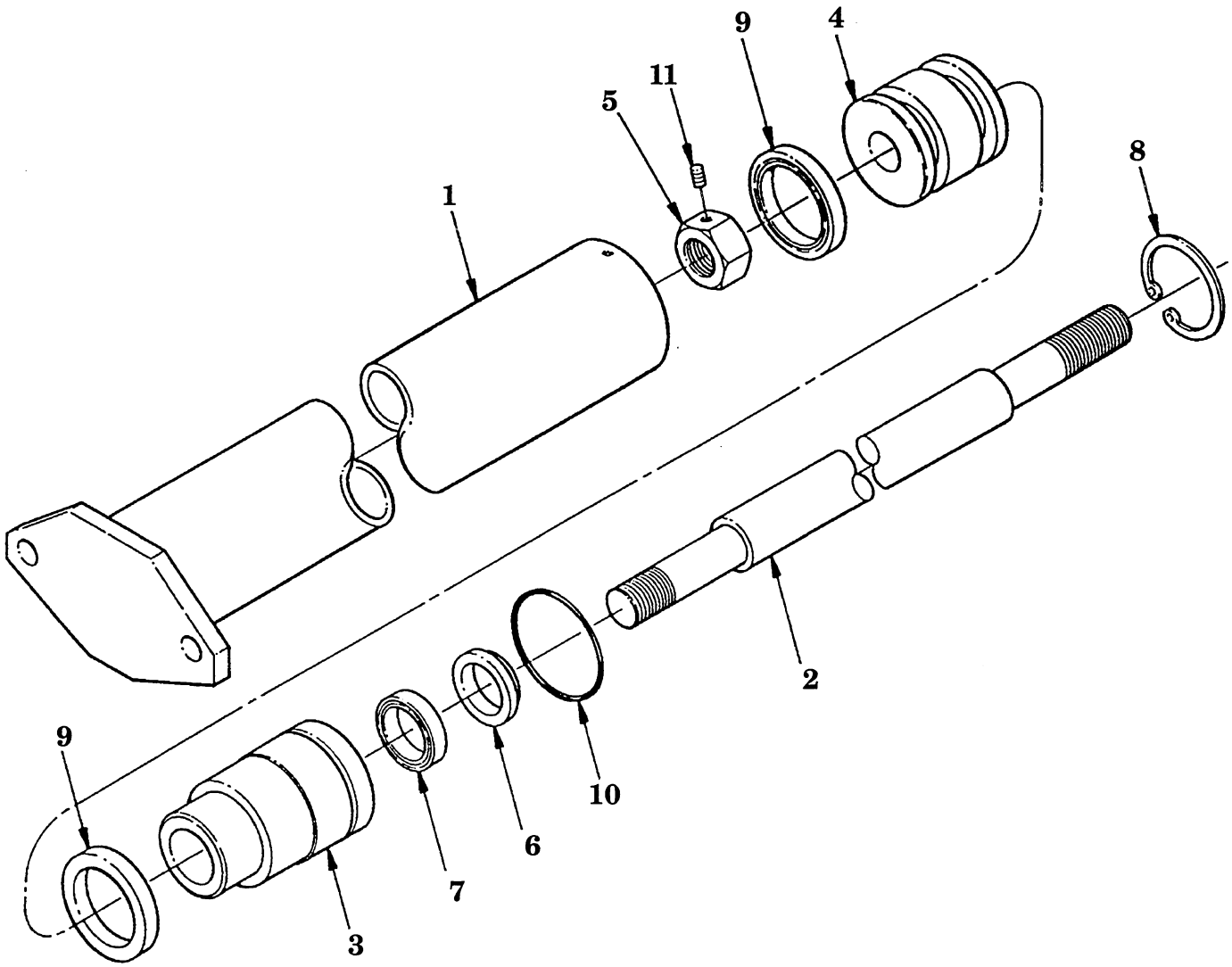



Figure 16867

## 16867

| ITEM | PART NO. | DESCRIPTION | QTY | SERIAL NO. | REMARKS |
|---|---|---|---|---|---|
| 1 | 16652D | Weldment, Tube | 1 | ..... | |
| 2 | 16646A | Shaft | 1 | ..... | |
| 3 | 16647A | End Gland | 1 | ..... | |
| 4 | 16648A | Piston | 1 | ..... | |
| 5 | 16649A | Nut, Special | 1 | ..... | |
| 6 | P19416 | Wiper | 1 | ..... | |
| 7 | P19417 | Seal | 1 | ..... | |
| 8 | P19418 | Snap Ring | 1 | ..... | |
| 9 | P19419 | Seal, Piston | 2 | ..... | |
| 10 | P11425 | O-Ring | 1 | ..... | |
| 11 | P02561 | Set Screw, Cup Pt. | 1 | ..... | 1/4"-20 |

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