



A TEREX BRAND

# ***Parts Manual***

Serial Number Range

***Z-30/20HD***

from SN 3084-101 to 3090-2213

Part No. 139382GT  
Rev: A.15  
November 2023

---

## Technical Publications

Genie has endeavored to deliver the highest degree of accuracy possible. However, continuous improvement of our products is a Genie policy. Therefore, product specifications are subject to change without notice.

Readers are encouraged to notify Genie of errors and send in suggestions for improvement. All communications will be carefully considered for future printings of this and all other manuals.

---

## Contact Us:

Internet: [www.genielift.com](http://www.genielift.com)  
e-mail: [awp.techpub@terex.com](mailto:awp.techpub@terex.com)

---

---

## Find a Manual for this Model

Go to <http://www.genielift.com>

Use the links to locate Operator's, Parts, Maintenance, and Service and Repair Manuals.

---

Copyright © 1998 by Terex South Dakota, Inc.

139382GT Rev A.15 November 2023  
Second Edition, First Printing

Genie is a registered trademark of Terex South Dakota, Inc. in the USA and many other countries. "Z" is a trademark of Terex South Dakota, Inc.

 Printed on recycled paper



**Genie Industries**

MODEL NO. **Z-30/20HD**

SERIAL NO. **30-**

MAX. LOAD **500 LBS.**

PLATFORM HT. **31 FT.**

**CAUTION: STUDY OPERATING INSTRUCTIONS BEFORE USING**

This equipment is designed and tested to meet or exceed ANSI A92.5-1980 standards.

18340 North East 76th Street, P.O. Box 69  
Redmond, Washington U.S.A. 98073-0069  
(206) 881-1800 • Cable "Genieoist" Telex: 152351

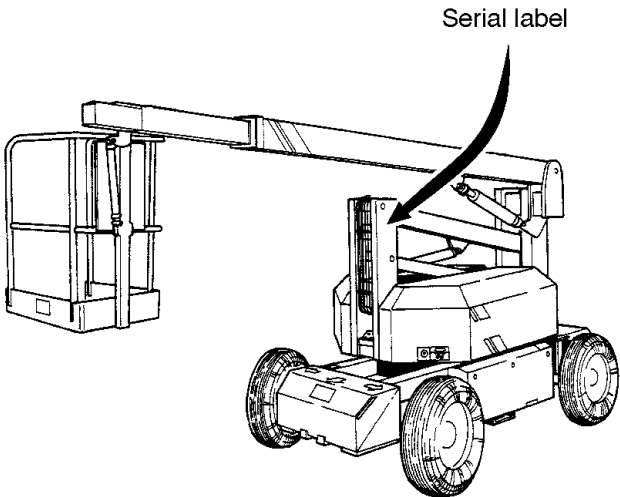
**302030-221-0**  
**15338**

Z30/20HD

Model

1234

Sequence  
number



Serial label

## How to Order Parts

Please be prepared with the following information when ordering replacement parts for your Terex or Genie product.

- ☒ Machine model number
- ☒ Machine serial number
- ☒ Part number
- ☒ Part description and quantity
- ☒ Purchase order number
- ☒ "Ship to" address
- ☒ Desired method of shipment
- ☒ Name and telephone number of the authorized distributor in your area

Use the Service Parts Fax Order Form on the next page and fax your order to our Parts Department.

If you don't know the name of your authorized distributor, or if your area is not currently serviced by an authorized distributor, please call Terex or Genie Industries.

## Machine Information

Model

Serial Number

Date of Purchase

Authorized Genie Distributor

Phone Number

### North America

Telephone (425)881-1800

Toll Free (800)536-1800 in US and Canada

Fax (425)556-8659

Toll Free fax (888)274-6192

Email [AWP.PartsSalesPO@terex.com](mailto:AWP.PartsSalesPO@terex.com)

<http://genielift.com/en>

### EMEAR (Europe, Middle East, Africa and Russia)

Telephone (31)(165)519 313

Fax (31)(165)511 148

<http://genielift.co.uk>

### Asia Pacific (Genie Singapore)

Telephone +65 6692 7777

Fax +65 6261 8893

<http://genielift.com.sg/>

### Australia

Telephone (61)(7)3456 4444

Fax (61)(7)3456 4466

<http://genielift.com.au>

### South America

Telephone (55)(11)4082 5600

Fax (55)(11)4082 5630

### Required Parts

The following parts are required to perform maintenance procedures as outlined in the *Genie Z-30/20HD Operating and Maintenance Manual*.

| Description                               | Part No.         |
|-------------------------------------------|------------------|
| Filter Element, 10 Micron.....            | 45087            |
| O-ring Kit (for ORFS Fittings) .....      | 49612            |
| Plug and Cap Kit (for ORFS fittings)..... | 49613            |
| Multipurpose Grease .....                 | (Source locally) |
| Safety Chock.....                         | 36555            |

### Recommended Parts

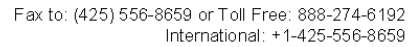
| Description                              | Part No. |
|------------------------------------------|----------|
| Genie Blue Paint, 1 Gallon .....         | 32150    |
| Genie Blue Paint, 12 Ounce Aerosol ..... | 1484     |
| Genie Gray Paint, 1 Gallon.....          | 32151    |
| Genie Gray Paint, 12 Ounce Aerosol ..... | 1268     |

### Manuals

Genie Industries offers the following support documents for these models:

| Title                                                                    | Part No. |
|--------------------------------------------------------------------------|----------|
| Genie Z-30/20N Operator's Manual,<br>First Edition .....                 | 19052    |
| Genie Z-30/20HD Operating and Maintenance Manual<br>(from SN 5934) ..... | 139381   |
| EMI Safety Manual .....                                                  | 27581    |
| Manual of Responsibilities<br>ANSI A92.5.....                            | 31779    |





|                             |                         |
|-----------------------------|-------------------------|
| Date _____                  | Account Number _____    |
| Your Name _____             | Your Fax Number _____   |
| _____                       | Your Phone Number _____ |
| Bill To _____               | Ship To _____           |
| _____                       | _____                   |
| _____                       | _____                   |
| _____                       | _____                   |
| Purchase Order Number _____ | Ship Via _____          |

**Optional Equipment** \_\_\_\_\_

[illegible]

☐ Ship complete order only - No back orders

☐ Ship all available parts and contact customer on disposition of back-ordered parts

☐ Other (please specify)

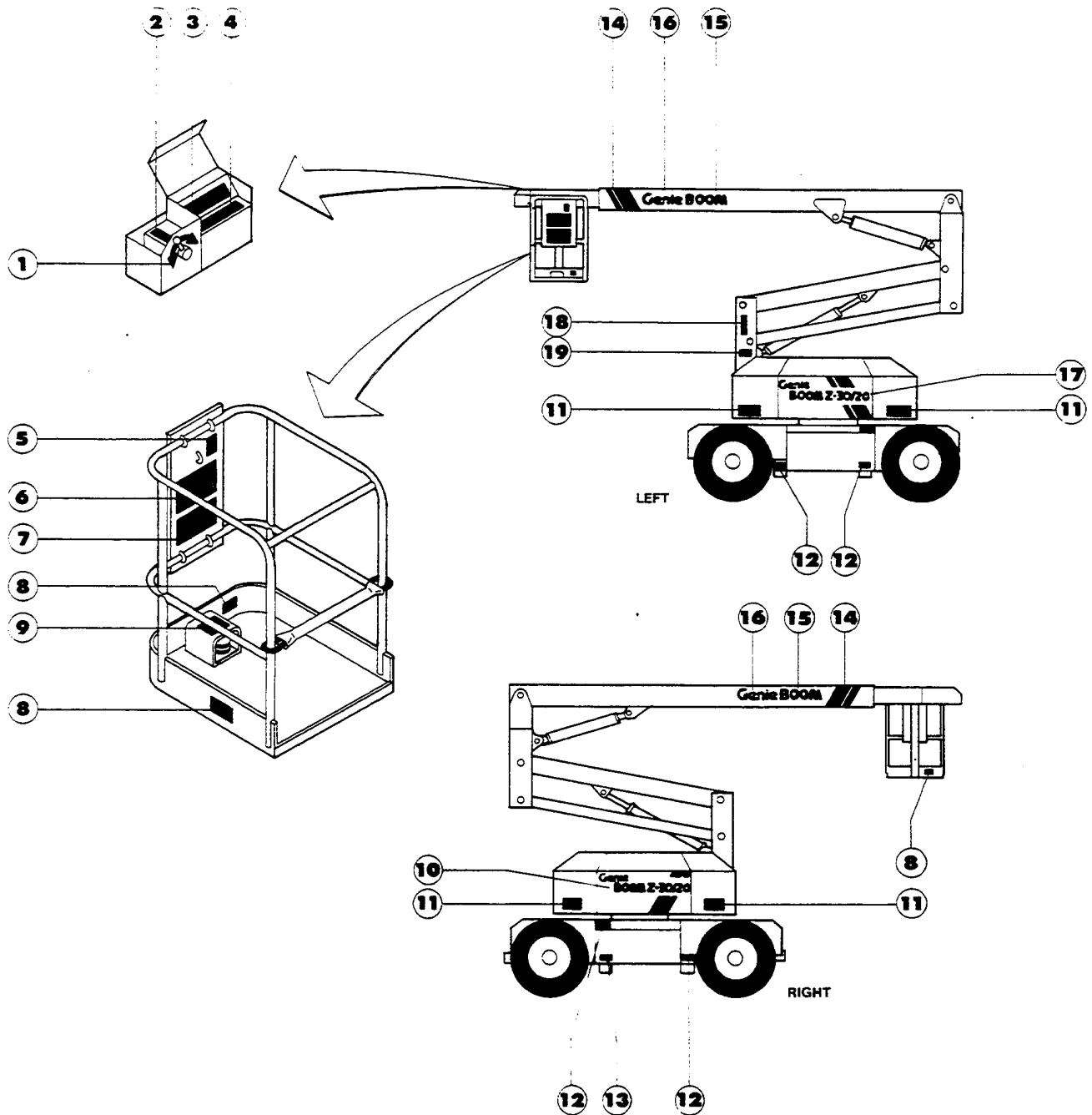
| <b>Description</b>                                                 | <b>Page</b> |
|--------------------------------------------------------------------|-------------|
| <b>100 Decals .....</b>                                            | <b>10</b>   |
| 101.1 Decals - View 1 .....                                        | 10          |
| 102.1 Decals - View 2 .....                                        | 12          |
| <b>200 Drive Chassis Components.....</b>                           | <b>14</b>   |
| 201.1 Chassis Assembly .....                                       | 14          |
| 202.1 SCR/Charger Module Assembly .....                            | 16          |
| 203.1 Battery Charger Assembly .....                               | 20          |
| 204.1 SCR Control Assembly .....                                   | 22          |
| 205.1 Contactor Panel Assembly .....                               | 24          |
| 206.1 Drive Train Installation .....                               | 26          |
| 207.1 Front End/Steering Installation .....                        | 30          |
| 208.1 Battery Box Installation .....                               | 34          |
| 209.1 HD Wheel Assembly .....                                      | 36          |
| 210.1 HD Drive Line/Service Brake Assembly .....                   | 40          |
| 211.1 HD Brake Power Unit Assembly .....                           | 44          |
| 212.1 HD Brake Printed Circuit Board Assembly .....                | 46          |
| <b>300 Turntable Components.....</b>                               | <b>48</b>   |
| 301.1 Turntable Gearbox Assembly .....                             | 48          |
| 302.1 Turntable Installation .....                                 | 50          |
| 303.1 Hand Pump Assembly .....                                     | 54          |
| 304.1 Hydraulic Valve Manifold Assembly (to SN 3086-822) .....     | 56          |
| 305.1 Printed Circuit Board Assembly .....                         | 58          |
| 306.1 Rotation & Speed Limit Switch Assemblies .....               | 60          |
| 307.1 Lower Control Box Assembly .....                             | 62          |
| 308.1 Hydraulic Filter Assembly .....                              | 64          |
| 309.1 Hydraulic Power Unit Assembly .....                          | 66          |
| 309.2 Hydraulic Power Unit (Replacement) .....                     | 68          |
| 310.1 Turntable Cover Assembly .....                               | 70          |
| 311.1 HD Turntable Printed Circuit Board Assembly .....            | 72          |
| 312.1 Valve Block Assembly (from SN 3086-823) .....                | 74          |
| 312.2 Valve Block Assembly (from November 1986) .....              | 76          |
| <b>400 Boom Components .....</b>                                   | <b>78</b>   |
| 401.1 Secondary Boom Installation .....                            | 78          |
| 402.1 Primary Boom Installation .....                              | 80          |
| 403.1 Steering, Boom Lifting & Extension Cylinder Assemblies ..... | 84          |
| 404.1 HD Primary Boom Assembly .....                               | 88          |
| 405.1 Master and Slave Cylinder Detail .....                       | 92          |

## Table of Contents

| <b>Description</b>                                              | <b>Page</b> |
|-----------------------------------------------------------------|-------------|
| <b>500 Platform Components .....</b>                            | <b>94</b>   |
| 501.1 Platform Control Box Assembly .....                       | 94          |
| 502.1 Accelerator Switch Assembly .....                         | 96          |
| 503.1 Platform Installation .....                               | 98          |
| 504.1 Foot Switch Assembly .....                                | 102         |
| 505.1 HD Platform Assembly .....                                | 104         |
| 506.1 HD Control Box Assembly .....                             | 106         |
| 507.1 Platform Gearbox Assembly .....                           | 110         |
| 508.1 Platform Leveling System Assembly .....                   | 112         |
| <b>600 Hydraulic Hoses and Electrical Cables .....</b>          | <b>116</b>  |
| 601.1 Hydraulic Hose Assembly .....                             | 116         |
| 602.1 Chassis Electrical Cable and Wire Assembly .....          | 120         |
| 603.1 SCR Module Electrical Cable and Wire Assembly .....       | 122         |
| 604.1 Turntable Electrical Cable and Wire Assembly .....        | 124         |
| 605.1 Platform Control Electrical Cable and Wire Assembly ..... | 126         |
| <b>700 Accessories .....</b>                                    | <b>128</b>  |
| 701.1 Options/Accessories .....                                 | 128         |
| <b>Part Number Index .....</b>                                  | <b>130</b>  |



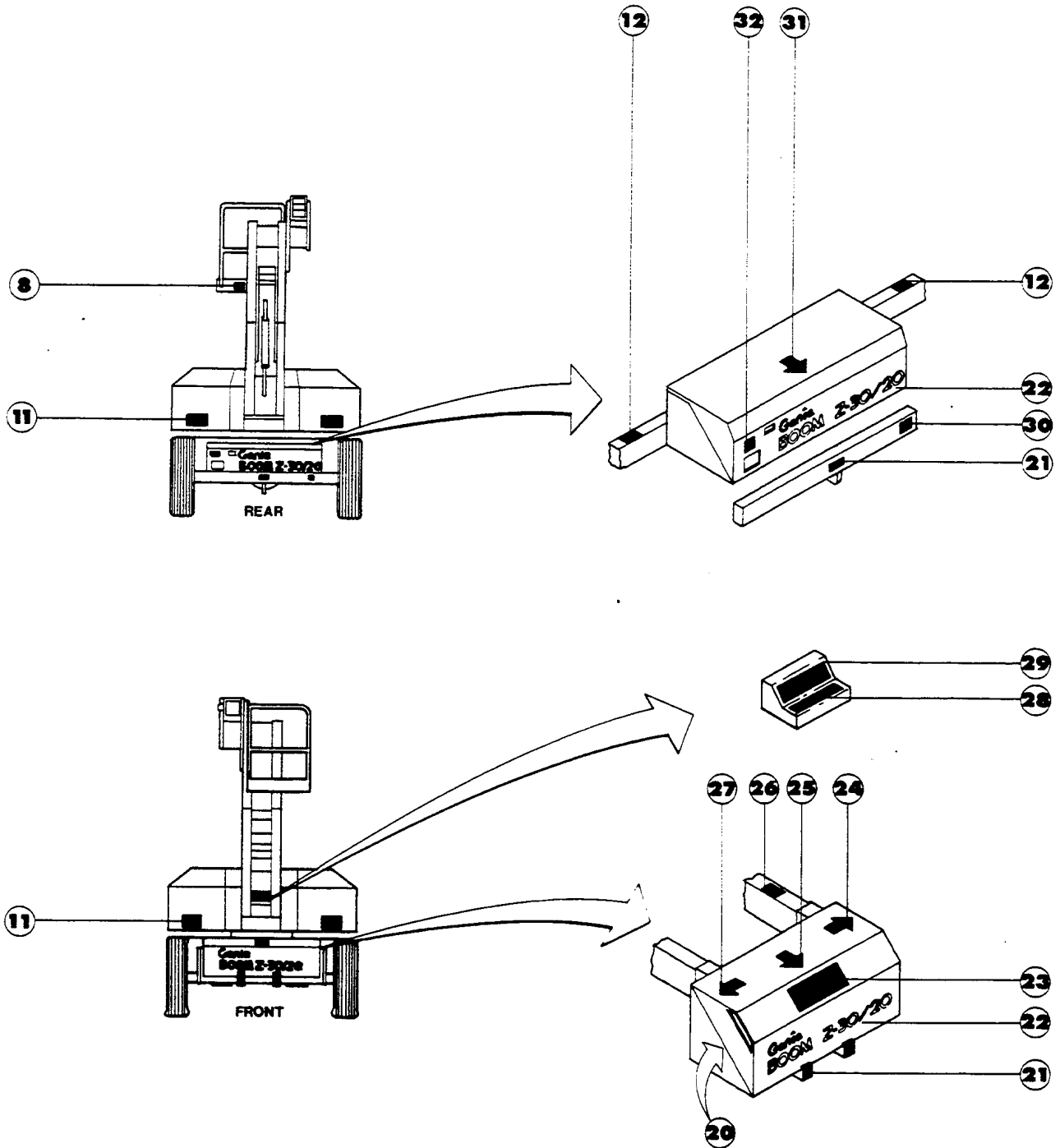
101.1 Decals - View 1





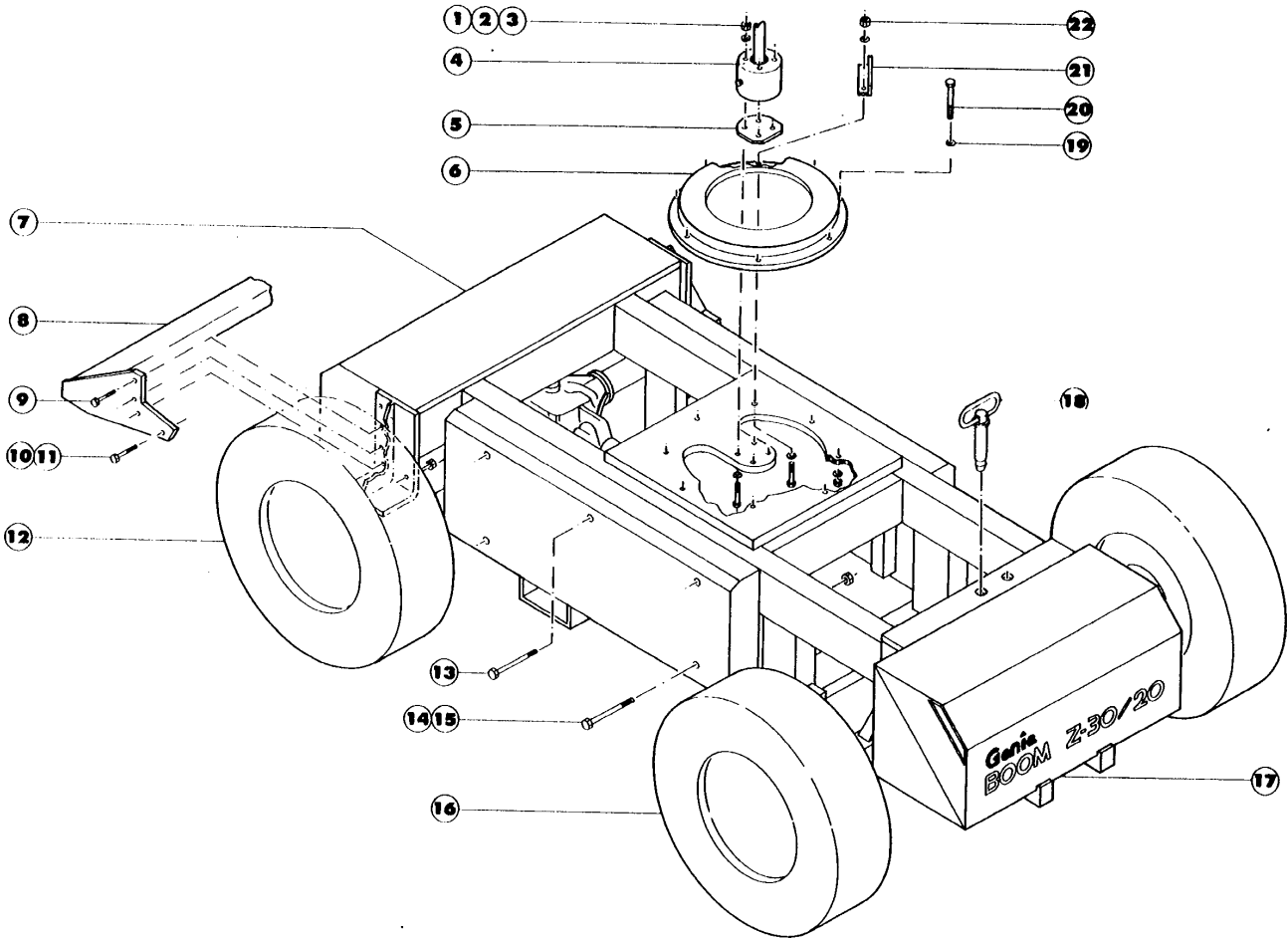
| Item | Part No. | Description                                                | Qty. |
|------|----------|------------------------------------------------------------|------|
|      | 17803GT  | DECAL KIT,Z30/20HD, REF. ....                              |      |
|      | 17804GT  | DECAL KIT,Z30/20HD, WARNING ....                           |      |
|      | 17805GT  | DECAL KIT,Z30/20HD, COSMETIC ....                          |      |
|      | 12594GT  | DECAL,30/20HD,ALL BLUE ....                                |      |
| 1A   | 12255GT  | DECAL, "FORWARD-REVERSE" BOOM ....                         | 1    |
| 1B   | 22232GT  | DECAL, "REVERSE-FORWARD" BOOM ....                         | 1    |
| 2    | 13983GT  | DECAL,RIGHT-LEFT" 500LB BOOM ....                          | 1    |
| 3    | 16575GT  | DECAL,NEUTRAL/PLAT.LEVEL(PLAT)<br>(replaced PN 12395) .... | 1    |
| 4    | 16063GT  | DECAL,TURRET ROT.(TURN) 500LB ....                         | 1    |
| 5A   | 12333GT  | DECAL,"CAUTION BODY BELT" BOOM ....                        | 1    |
| 5B   | 12953GT  | DECAL,PLAT.ROTATION INTRUC ....                            | 1    |
| 6    | 12385GT  | DECAL,SAFETY RULES,BOOM ....                               | 1    |
| 7    | 12962GT  | DECAL,OPERATING INSTRUCT-500LB ....                        | 1    |
| 8    | 11857GT  | DECAL,NON-INSULATED PLATFORM<br>(replaced PN 12246) ....   | 3    |
| 8-   | 8765GT   | DECAL,300 LB. MAX. PLC ....                                | 3    |
| 8-   | 12725GT  | DECAL,500 LB CAPACITY,GB ....                              | 3    |
| 9    | 12441GT  | DECAL,BRAKE SWITCH INSTRUCT." ....                         | 1    |
| 10   | 12220GT  | DECAL,Z-30/20" WITH STRIPES ....                           | 1    |
| 11   | 12245GT  | DECAL,"ELECTROCUTION HAZARD"GB ....                        | 4    |
| 12   | 12335GT  | DECAL,CAUTION AIR FILLED TIRES ....                        | 4    |
| 13   | 12463GT  | DECAL,FORK LIFTING" BOOM ....                              | 4    |
| 14   | 12216GT  | DECAL,WHITE STRIPING, G. BOOM ....                         | 1    |
| 15   | 12215GT  | DECAL,BOOM, 6" X 15" ....                                  | 2    |
| 16   | 12234GT  | DECAL,GENIE" 6" X 19" (BOOM) ....                          | 2    |
| 17   | 12218GT  | DECAL,"GENIE BOOM"WITH STRIPES ....                        | 1    |
| 18   | 19052GT  | MANUAL,OP.INST.Z30/20HD,PRE'90 ....                        | 1    |
| 19   | 77046GT  | SERIAL # LABEL,MYLAR 4X8***<br>(replaced PN 12055) ....    | 1    |

102.1 Decals - View 2



| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                   | <i>Qty.</i> |
|-------------|-----------------|--------------------------------------|-------------|
| 8           | 12725GT         | DECAL,500 LB CAPACITY,GB .....       | 3           |
| 8-          | 11857GT         | DECAL,NON-INSULATED PLATFORM .....   |             |
| 11          | 12245GT         | DECAL,"ELECTROCUTION HAZARD"GB ..... | 4           |
| 12          | 12335GT         | DECAL,CAUTION AIR FILLED TIRES ..... | 4           |
| 20          | 12545GT         | DECAL,BATTERY CONNECT"Z45DC .....    | 1           |
| 21          | 12334GT         | DECAL,TRANS. TIE DOWN BOOM .....     | 3           |
| 22          | 12214GT         | DECAL,GENIE BOOM" .....              | 2           |
| 23          | 12331GT         | DECAL,"DANGER BATTERY GAS"BOOM ..... | 1           |
| 24          | 45402GT         | DECAL,LEFT ARROW .....               | 1           |
| 25          | 45403GT         | DECAL,FORWARD ARROW .....            | 1           |
| 26          | 12336GT         | DECAL,BATTERY PACK, BOOM .....       | 1           |
| 27          | 45401GT         | DECAL,RIGHT ARROW .....              | 1           |
| 28          | 12445GT         | DECAL"TURRET ROT." (TURNABLE) .....  | 1           |
| 29          | 12444GT         | DECAL,PUMP ON"-(TURNABLE) .....      | 1           |
| 30          | 12515GT         | DECAL,POWER TO PLAT." BOOM .....     | 1           |
| 31          | 45404GT         | DECAL,REVERSE ARROW .....            | 1           |
| 32          | 12332GT         | DECAL,BATTERY CHARGER, BOOM .....    | 1           |

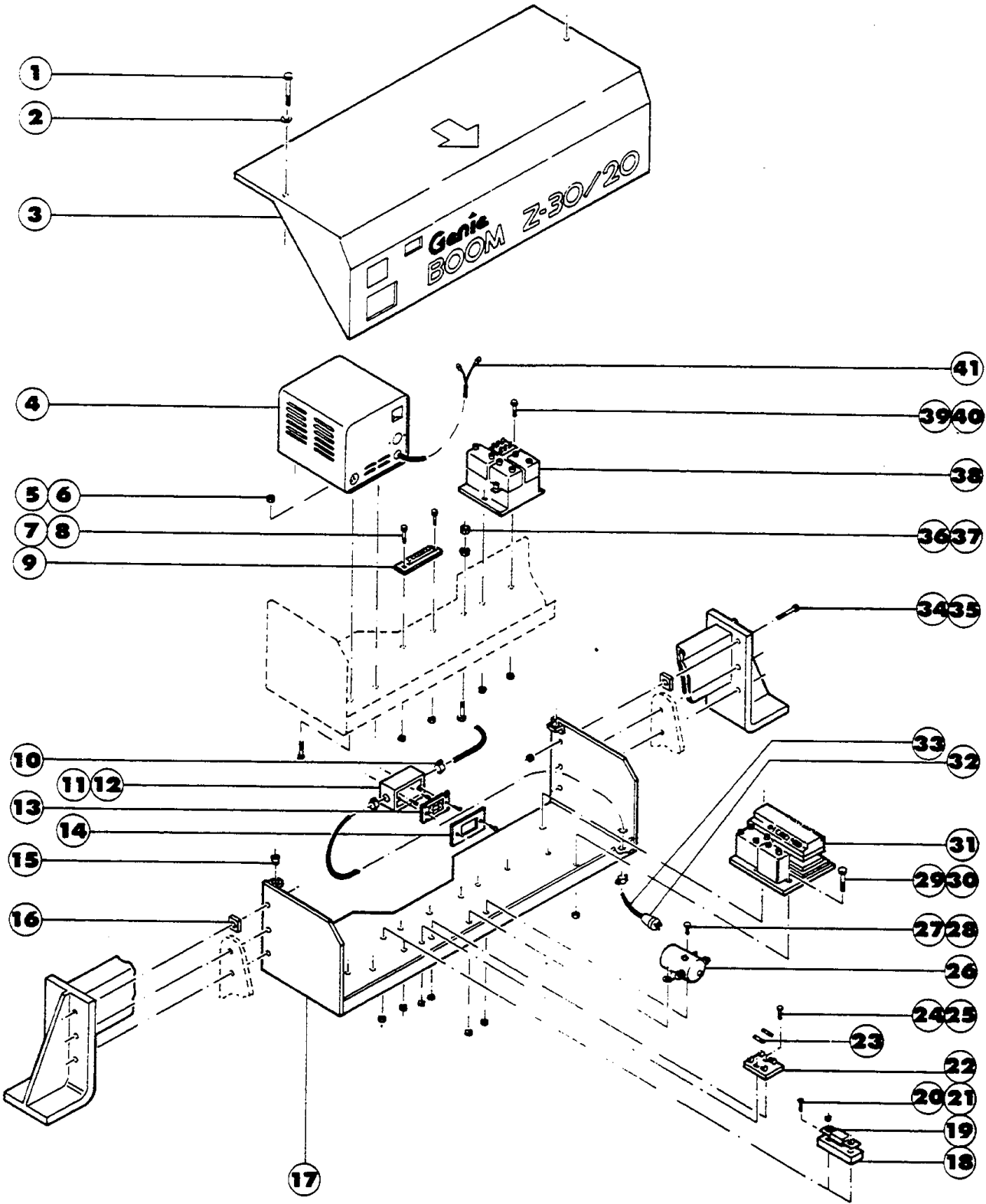
201.1 Chassis Assembly



## 201.1 Chassis Assembly

| Item | Part No. | Description                                 | Qty.           |
|------|----------|---------------------------------------------|----------------|
| 1    | 6198GT   | NUT, NYLOCK, 1/2-13 .....                   | 4              |
| 2    | 12461GT  | SCREW,HHC,1/2-13 X 5,GRD.8 .....            | 4              |
| 3    | 13066GT  | WASHER,FLAT,.5 HARDENED .....               | 8              |
| 4    |          | TURNTABLE GEARBOX ASSY** .....              | 1              |
| 5    | 13541GT  | SHIM-TURNTABLE GEARBOX .....                | As<br>N<br>ec. |
| 6    | 13065GT  | BEARING,TURNTABLE **OLD Z30/20 .....        | 1              |
| 7    |          | SCR/Charger Module .....                    | 1              |
|      |          | refer to section 202.1                      |                |
| 8    | 13503GT  | BUMPER WELDMENT .....                       | 1              |
| 9    | 5224GT   | SCREW,HHC,3/8-16 X 2 .....                  | 6              |
| 10   | 8516GT   | SCREW, HCC, 3/8-16 X 1.50 .....             | 2              |
| 11   | 4828GT   | NUT,NYLOCK,3/8-16 .....                     | 16             |
| 12   |          | Drive Train Inst. - ref. to fig. #6-8 ..... | 1              |
| 13   | 10255GT  | SCREW,HHC,3/4-10 X 10 .....                 | 6              |
| 14   | 117234GT | SCREW,HHC,3/4-10X9" GR5 .....               | 4              |
| 15   | 77051GT  | NUT,NYLOCK,3/4-10,GRD.8 .....               | 10             |
| 16   |          | Front-end/Steering Inst. .....              | 1              |
|      |          | refer to section 207.1                      |                |
| 17   |          | Battery Box Inst. .....                     | 1              |
|      |          | refer to section 208.1                      |                |
| 18   | 12901GT  | PIN,LOCK-1 X 6 .....                        | 2              |
| 19   | 13064GT  | WASHER,FLAT,.625 HARDENED .....             | 16             |
| 20   | 13004GT  | SCREW,HHC,5/8-11 X 3 GRD.8 .....            | 8              |
| 21   | 13424GT  | ANGLE ACTUATOR .....                        | 1              |
| 22   | 6024GT   | NUT,NYLOCK,5/8-11 .....                     | 8              |

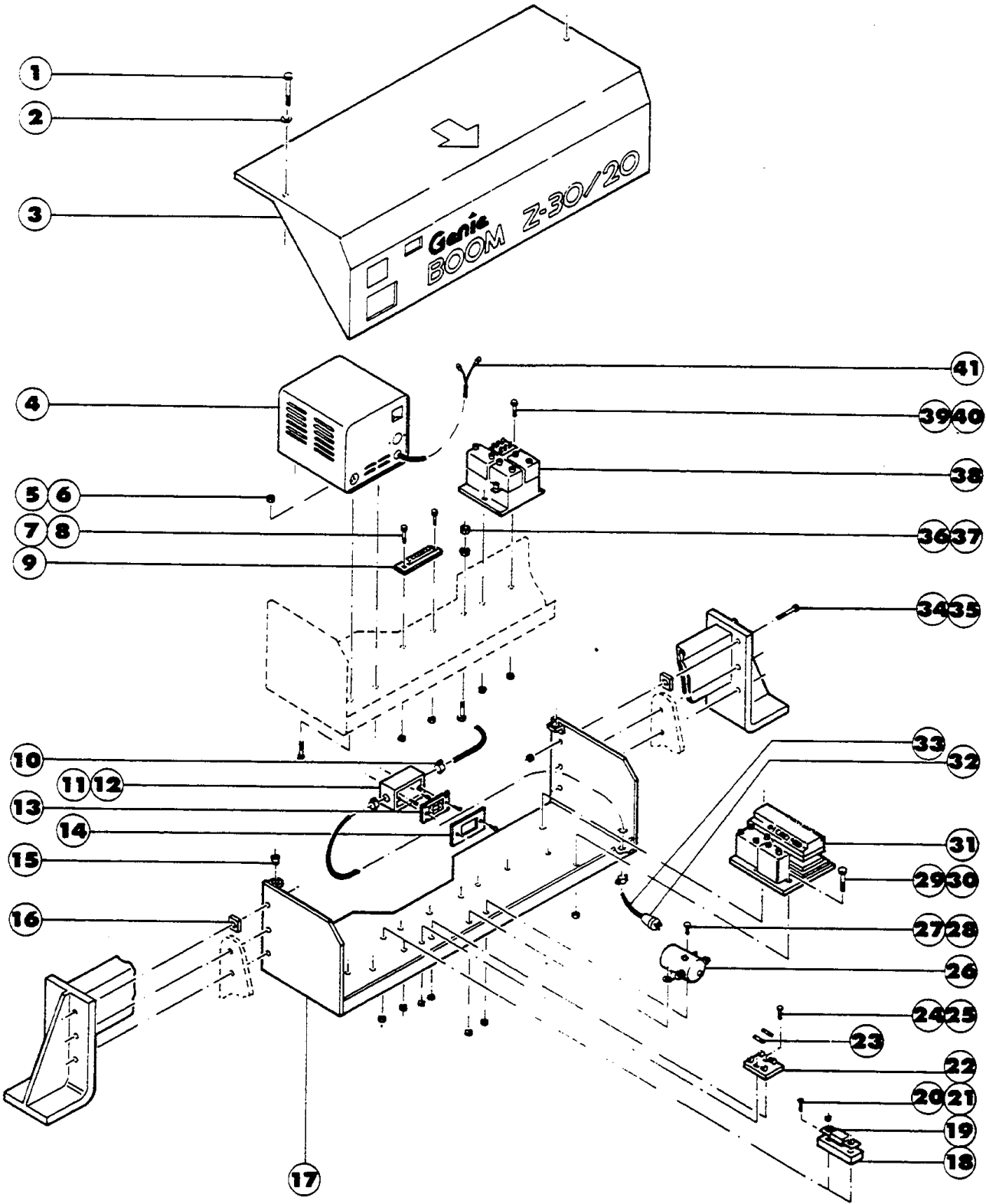
202.1 SCR/Charger Module Assembly



## 202.1 SCR/Charger Module Assembly

| Item | Part No.  | Description                                 | Qty. |
|------|-----------|---------------------------------------------|------|
|      | 16257GT   | INSULATOR,THREADED GROUNDWIRE .....         |      |
|      |           | (not shown)                                 |      |
| 1    | 77692GT   | SCREW,HHC,3/8-16 X 1 GRD 8 .....            | 2    |
|      |           | (can also use PN 6175 SCREW,HHC,3/8-16 X 1) |      |
| 2    | 6097GT    | WASHER,FLAT,USS,3/8",Y .....                | 2    |
| 3    | 12878GT   | SCR COVER W/DECALS & PAINT .....            | 1    |
| 4A   | 1273325GT | CHARGER, 110/60 .....                       | 1    |
| 4B   | 13976GT   | CHARGER-REMOTE,115V/60HZ-BOOM .....         | 1    |
|      |           | (optional)                                  |      |
| 5    | 6091GT    | NUT, NYLOCK, 1/4-20 .....                   | 4    |
| 6    | 6090GT    | SCREW, HHC, 1/4-20 X .75 .....              | 4    |
| 7    | 12348GT   | SCREW,RHM,6-32 X .75 .....                  | 2    |
| 8    | 12344GT   | NUT,NYLOCK,6-32 .....                       | 2    |
| 9    | 13098GT   | TERMINAL STRIP,10 POLE .....                | 1    |
| 10   | 6622GT    | GROUND CONNECTOR,1/2" .....                 | 3    |
| 11   | 13586GT   | HANDY BOX,STD.,SINGLE SIZE .....            | 1    |
| 12   | 6271GT    | RIVET,STL,STL.MAN,P,.25 X .25 .....         | 2    |
| 13   | 13585GT   | OUTLET 110V .....                           | 1    |
| 14   | 13587GT   | COVER,HANDY BOX .....                       | 1    |
| 15   | 11697GT   | NUTSERT,3/8-16 STEEL CAD PLTD .....         | 2    |
| 16   | 13234GT   | FLATBAR-SCR SPACER---1" .....               | 2    |
| 17   | 13409GT   | SCR Tray .....                              | 1    |
| 18   | 66717GT   | FUSE BLOCK, ANN & ANL FUSE .....            | 1    |
| 19   | 13104GT   | FUSE,300 AMP,VERY FAST ACTING .....         | 1    |
| 20   | 6873GT    | SCREW,FHM,10-32 X 1 .....                   | 2    |
| 21   | 6178GT    | NUT, NYLOCK, 10-32 .....                    | 2    |
| 22   | 13096GT   | FUSE HOLDER,2 POLE .....                    | 1    |
| 23   | 13097GT   | FUSE,10 AMP .....                           | 2    |
| 24   | 12348GT   | SCREW,RHM,6-32 X .75 .....                  | 2    |
| 25   | 12344GT   | NUT,NYLOCK,6-32 .....                       | 2    |
| 26   | 13475GT   | SOLENOID-24 VOLT COIL DC(BOOM) .....        | 1    |

202.1 SCR/Charger Module Assembly

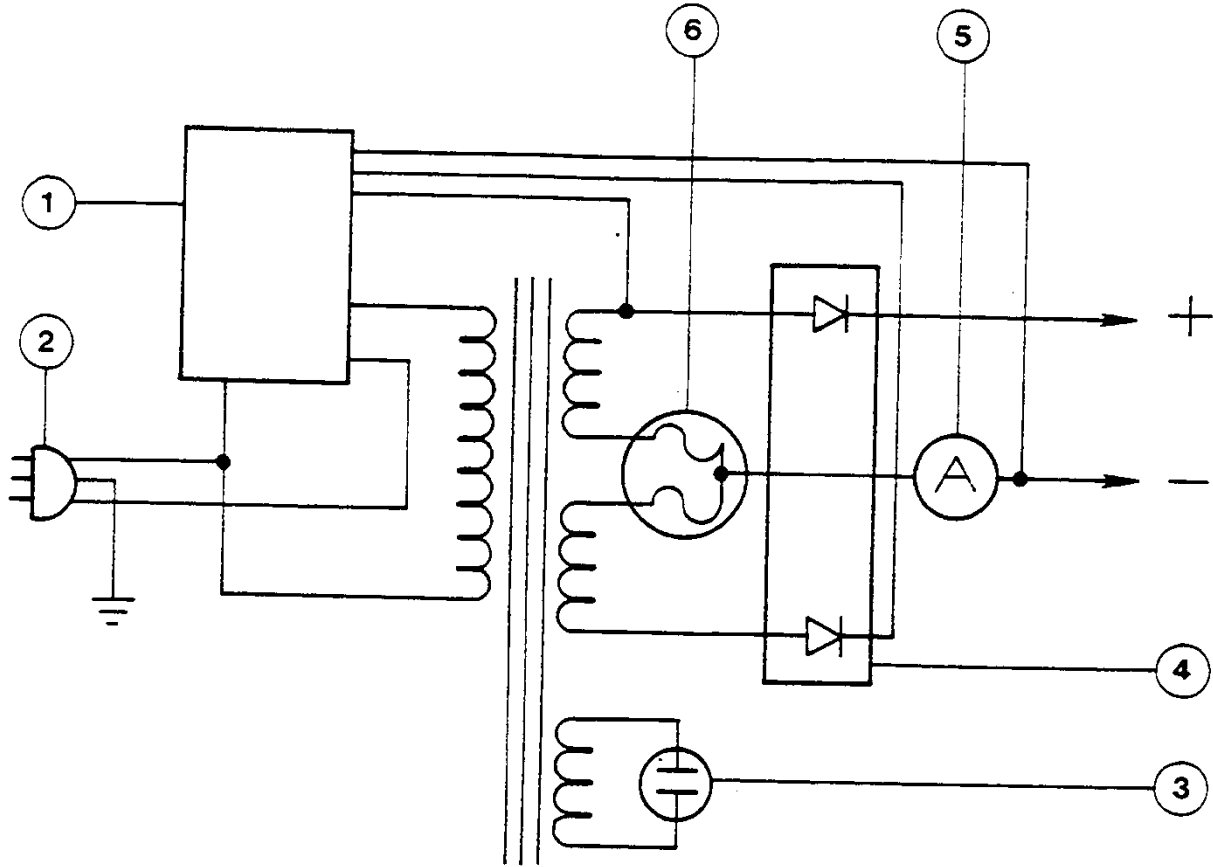




## 202.1 SCR/Charger Module Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                                     | <i>Qty.</i> |
|-------------|-----------------|------------------------------------------------------------------------|-------------|
| 27          | 6090GT          | SCREW, HHC, 1/4-20 X .75 .....                                         | 2           |
| 28          | 6091GT          | NUT, NYLOCK, 1/4-20 .....                                              | 2           |
| 29          | 77692GT         | SCREW,HHC,3/8-16 X 1 GRD 8 .....                                       | 3           |
| 30          | 4828GT          | NUT,NYLOCK,3/8-16 .....                                                | 3           |
| 31          | 13080GT         | SCR CONTROL ( COMPLETE ) .....                                         | 1           |
| 32          | 6595GT          | PLUG,ELECTRICAL,DOMESTIC .....                                         | 1           |
| 33          |                 | OBS.SEE 6599 @ 23"-14/3 SO<br>(no longer available, see PN 6599) ..... | 23"         |
| 34          | 5224GT          | SCREW,HHC,3/8-16 X 2 .....                                             | 2           |
| 35          | 4828GT          | NUT,NYLOCK,3/8-16 .....                                                | 2           |
| 36          | 6002GT          | NUT, LP NYLOCK, 5/16-18 .....                                          | 2           |
| 37          | 13002GT         | SCREW,HHC,5/16-18 X 1 GR5 .....                                        | 1           |
| 38          | 13081GT         | CONTACT ASSEMBLY .....                                                 | 1           |
| 39          | 6090GT          | SCREW, HHC, 1/4-20 X .75 .....                                         | 2           |
| 40          | 6091GT          | NUT, NYLOCK, 1/4-20 .....                                              | 2           |
| 41          | 6830GT          | TERMINAL,RING,RED,.313,INSUL. ....                                     | 2           |

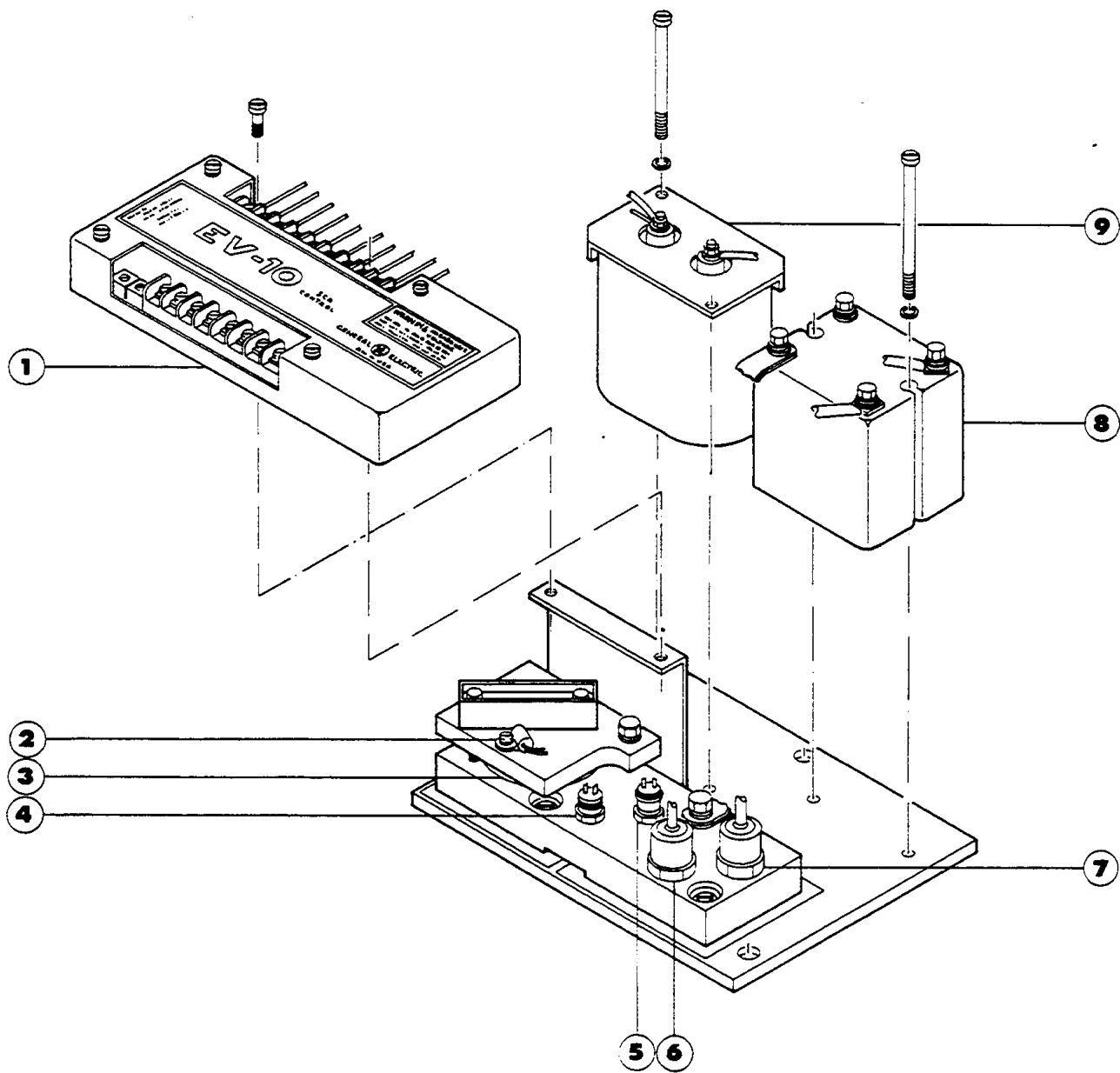
203.1 Battery Charger Assembly



## 203.1 Battery Charger Assembly

| Item | Part No.  | Description                                                                       | Qty. |
|------|-----------|-----------------------------------------------------------------------------------|------|
|      | 1273325GT | CHARGER, 110/60 .....                                                             |      |
|      | 13928GT   | CHARGER-220/50 GENIE BOOM**<br>(obsolete with no replacement) (MAC Charger) ..... |      |
|      | 46341GT   | RELAY,CHARGER TIMER**<br>(for chargers PN 23136, 47904 and 47905) .....           |      |
| 1A   | 13008-1GT | TIMER ASSY(13008 BOOM CHARGER) .....                                              | 1    |
|      |           | (Lester Charger)                                                                  |      |
| 1A-  | 18078GT   | RELAY,CHARGER TIMER** .....                                                       |      |
|      |           | (for PN 13008-1)                                                                  |      |
| 1B   | 19531GT   | TIMER ASSY, (45380 CHARGER) .....                                                 |      |
|      |           | (Lester Chargers)                                                                 |      |
| 1B-  | 19533GT   | RELAY,CHARGER .TIMER(19531/32) .....                                              |      |
|      |           | (for PN 19531)                                                                    |      |
| 1C   | 17669GT   | TIMER-50HZ CHARGER (MAC)<br>(component no longer available) (MAC Charger) .....   |      |
| 2A   | 13008-2GT | AC RECEPTACLE-BOOM CHARGER .....                                                  | 1    |
|      |           | (Lester Charger)                                                                  |      |
| 2B   | 17670GT   | RECTIFIER-50HZ CHARGER (MAC) .....                                                |      |
|      |           | (MAC Charger)                                                                     |      |
| 3A   | 13008-3GT | CAPACITOR,6 MFD,660VAC-CHARGR* .....                                              | 1    |
|      |           | (Lester Charger)                                                                  |      |
| 3B   | 17667GT   | CIRCUIT BREAKER-50HZ CHARGER .....                                                |      |
|      |           | (MAC Charger)                                                                     |      |
| 4    | 27262GT   | HEATSINK ASSY W/DIODES (23442) .....                                              | 1    |
|      |           | (Lester Charger)                                                                  |      |
| 5A   |           | AMMETER-BOOM CHARGER .....                                                        | 1    |
|      |           | (Lester Charger) no longer available                                              |      |
| 5B   | 17668GT   | AMMETER-50HZ CHARGER (MAC) .....                                                  |      |
|      |           | (MAC Charger)                                                                     |      |
| 6A   | 13008-6GT | FUSE ASSY-BOOM CHARGER .....                                                      | 1    |
|      |           | (Lester Charger)                                                                  |      |
| 6B   | 45844GT   | FUSE,15 AMP,TYPE 3AG .....                                                        |      |
|      |           | (MAC Charger)                                                                     |      |

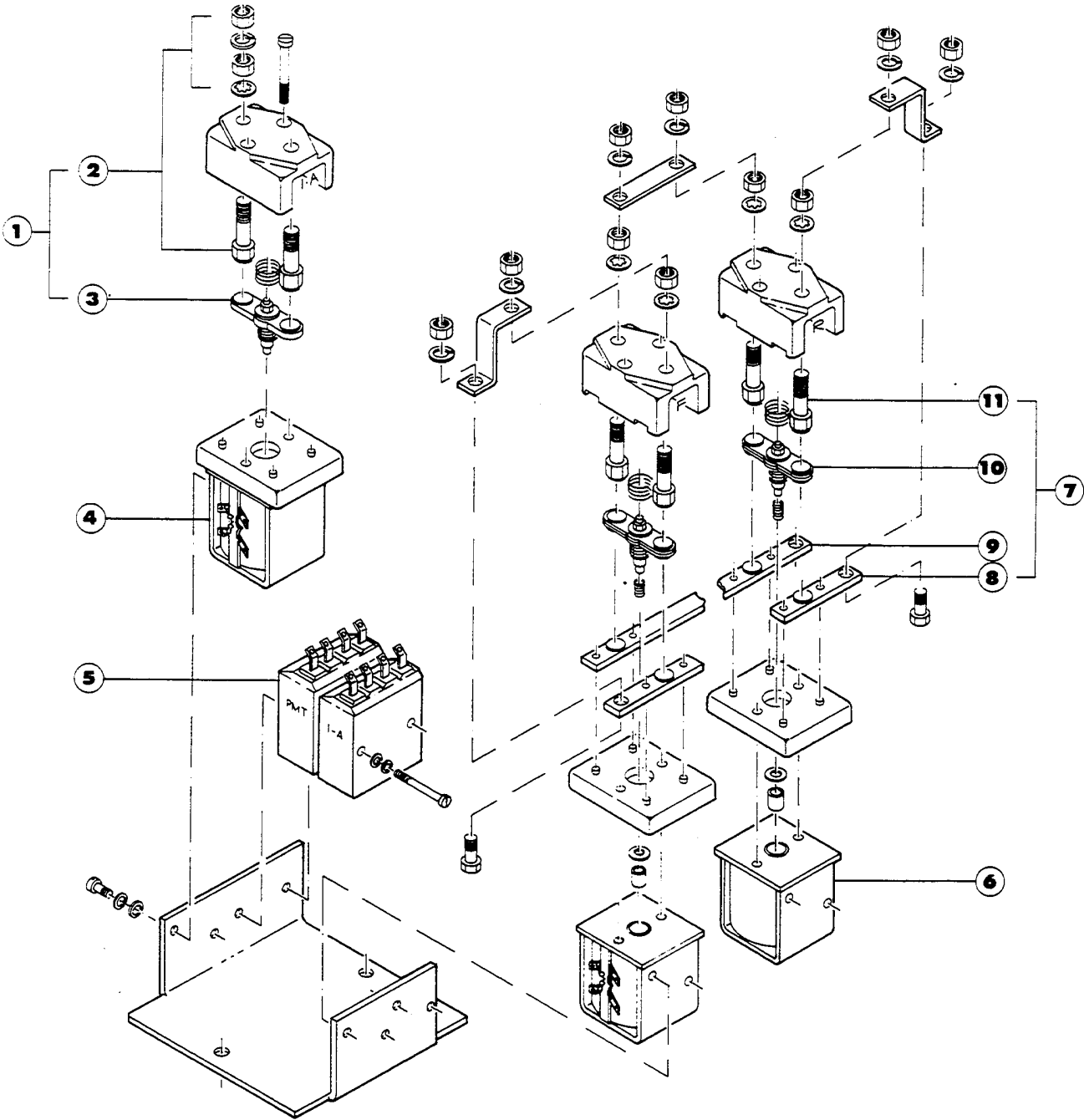
204.1 SCR Control Assembly



## 204.1 SCR Control Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                  | <i>Qty.</i> |
|-------------|-----------------|-------------------------------------|-------------|
|             | 13080GT         | SCR CONTROL ( COMPLETE ) .....      |             |
| 1           | 13080-1GT       | SCR-CONTROL CARD-EV10-CONTROL ..... | 1           |
| 2           | 13080-2GT       | SCR, THERMAL PROTECTOR, .....       | 1           |
| 3           | 13080-3GT       | SCR, RECTIFIER,NO.1 .....           | 1           |
| 4           | 13080-4GT       | SCR, RECTIFIER,NO.2,SILICON .....   | 1           |
| 5           | 13080-10GT      | SCR, RECTIFIER,NO.2/NO.5 .....      | 1           |
| 6           | 13080-6GT       | RECTIFIER,NO.4 .....                | 1           |
| 7           | 13080-7GT       | RECTIFIER.NO.3,SILICON .....        | 1           |
| 8           | 13080-8GT       | TRANSFORMER,SCR CONTROL .....       | 1           |
| 9           | 13080-9GT       | CAPACITOR,SCR CONTROL .....         | 1           |

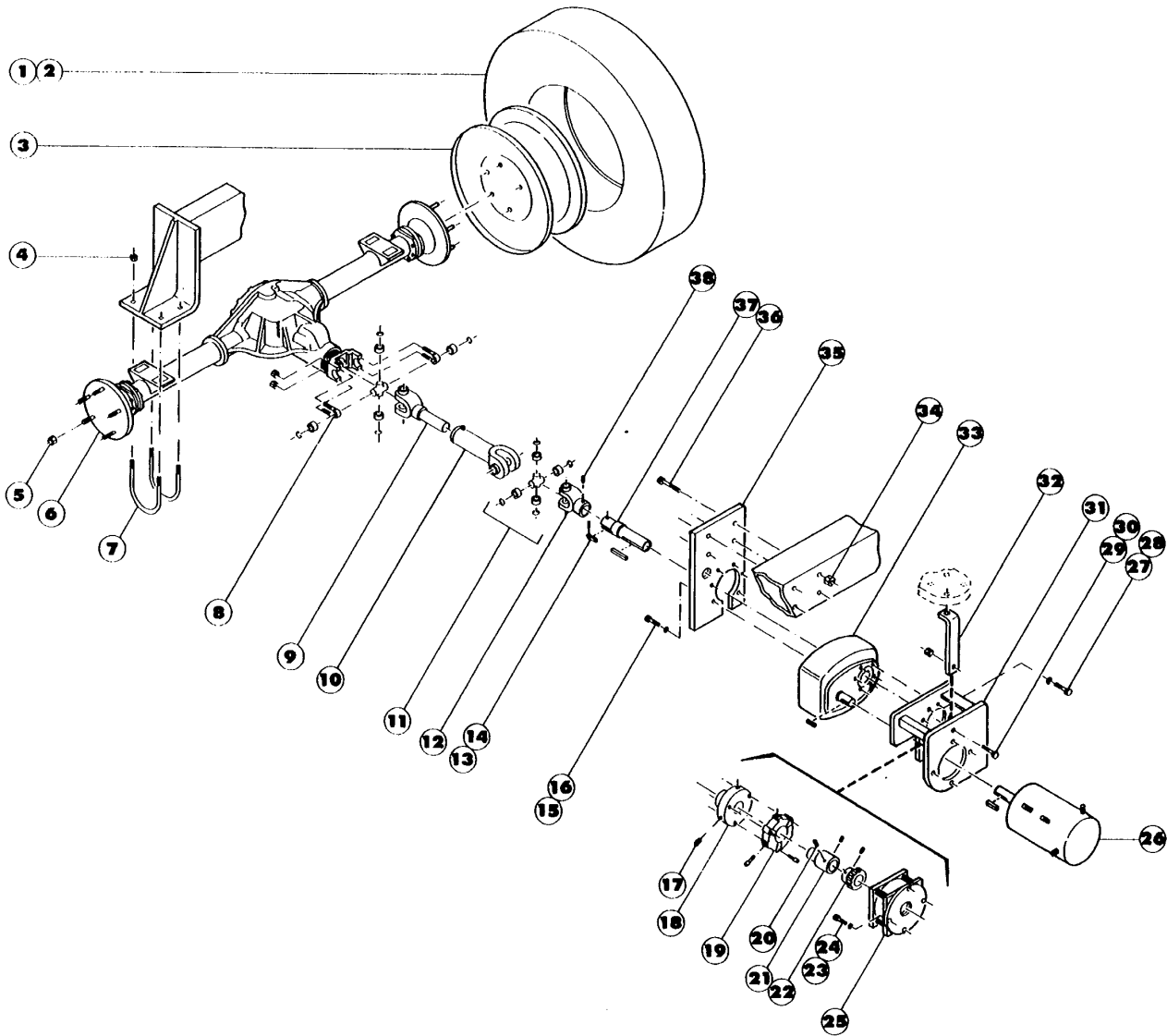
205.1 Contactor Panel Assembly



## 205.1 Contactor Panel Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                                                       | <i>Qty.</i> |
|-------------|-----------------|------------------------------------------------------------------------------------------|-------------|
| 1           |                 | 1-A Contact Assembly Consists of No.'s 2 & 3 .....                                       | 1           |
| 2           | 13081-2GT       | CONTACT ASM STATION, REV.PANEL<br>(cover not included; only bolt, washers and nut) ..... | 2           |
| 3           | 13081-3GT       | CONTACT MOVE.ASM,REVERSE.PANEL .....                                                     | 1           |
| 4           | 13081-4GT       | COIL,1A,REVERSER PANEL .....                                                             | 1           |
| 5           | 13081-1GT       | DRIVER,REVERSER PANEL .....                                                              | 2           |
| 6           | 13081-5GT       | COIL,F & R,REVERSER PANEL .....                                                          | 2           |
| 7           |                 | F & R Contact Assembly - Consists of No.'s 8-11 .....                                    | 1           |
| 8           | 13081-6GT       | CONTACT, STNRY.CHNGOVR ASM .....                                                         | 2           |
| 9           | 13081-7GT       | CONTACTOR,DUAL,STATION CHNGOVR .....                                                     | 1           |
| 10          | 13081-8GT       | CONTACT,MOVEABLE, RVRSR PANEL .....                                                      | 2           |
| 11          | 13081-2GT       | CONTACT ASM STATION, REV.PANEL .....                                                     | 4           |

206.1 Drive Train Installation

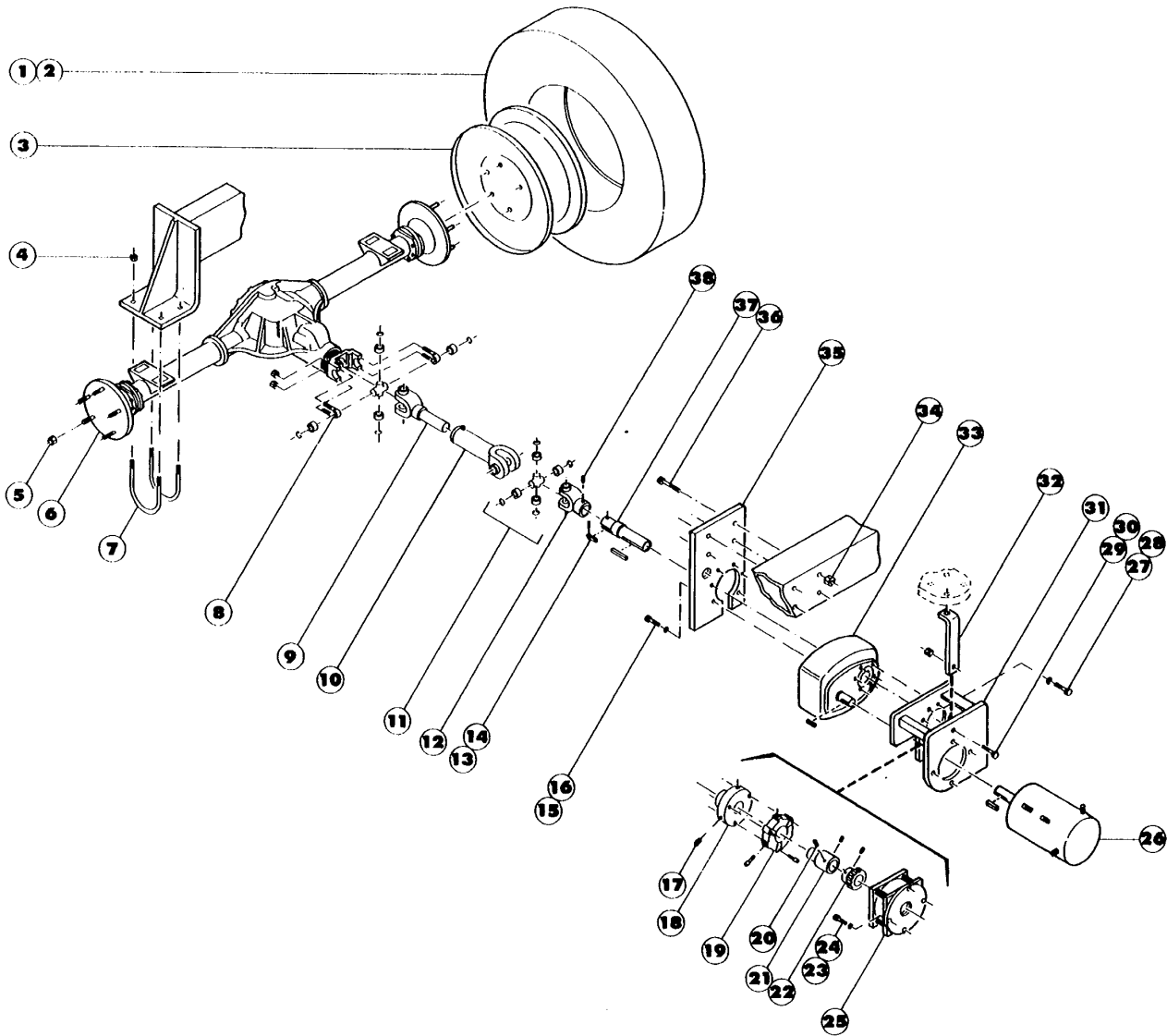




## 206.1 Drive Train Installation

| Item | Part No.  | Description                                              | Qty. |
|------|-----------|----------------------------------------------------------|------|
| 1    | 13045GT   | TIRE, 7.00-15LT 8 PLY .....                              | 2    |
| 2    | 13046GT   | TIRE TUBE 7.00-15 .....                                  | 2    |
| 3    | 13043GT   | WHEEL,RIM- 15 X 6 +1" OFFSET .....                       | 2    |
| 4    | 6198GT    | NUT, NYLOCK, 1/2-13 .....                                | 8    |
| 5    | 13047GT   | NUT,LUG,1/2-20 X 90DEG-13/16HX .....                     | 10   |
| 6A   |           | REAREND WELDMENT-300 LB BOOM .....                       | 1    |
|      |           | (component no longer available)                          |      |
| 6B   |           | REAREND WELD-500 LB BOOM OBS** .....                     |      |
|      |           | (component no longer available)                          |      |
| 6B-  | 20494GT   | COVER-13770 AXLE GEARBOX .....                           |      |
| 7    |           | U-BOLT,1/2-13 X 4.5**** .....                            | 4    |
|      |           | (see PN 13734GT for a wider u-bolt), no longer available |      |
| 8    | 13050GT   | U-BOLT KIT (1 BOX) .....                                 | 2    |
| 9    | 13052GT   | YOKE STUB .....                                          | 1    |
| 10   | 13051GT   | YOKE, SLIP, "UN-PAINTED" .....                           | 1    |
| 11   | 13049GT   | U-JOINT KIT .....                                        | 2    |
| 12   | 13873PGT  | SPICER FLANGE YOKE (BLUE) .....                          | 1    |
| 13   | 13598GT   | KEY, DRIVE SHAFT 2" .....                                | 1    |
| 14   | 12873GT   | PIN,ROLL,.125 X .5 .....                                 | 1    |
| 15   | 13000GT   | SCREW,HHC,5/16-18 X 1.25 .....                           | 6    |
| 16   | 6886GT    | WASHER,LOCK,.313 .....                                   | 6    |
| 17   | 13016GT   | SCREW,SET,HS 1/4-28 X .375 .....                         | 3    |
| 18   | 13056GT   | COUPLER HALF, 4 INCH (ALUM) .....                        | 1    |
| 19   | 13058GT   | COUPLING-RUBBER, #0 SIZE 4 .....                         | 1    |
| 20   | 13016GT   | SCREW,SET,HS 1/4-28 X .375 .....                         | 2    |
| 21   | 13057GT   | COUPLER HALF, 2 INCH (STEEL) .....                       | 1    |
| 22   | 13060-1GT | BRAKE-SPLINED DRIVE HUB %% .....                         | 1    |
|      | 35092GT   | KEY,(13060-1) .....                                      |      |
| 23   | 6019GT    | SCREW,HHC,3/8-16 X 1.25 GRD 5 .....                      | 4    |
| 24   | 6021GT    | WASHER,LOCK,.375 .....                                   | 4    |
| 25   | 13060GT   | BRAKE-7/8" BORE W/MAN. RELEA .....                       | 1    |
|      |           | Includes No. 22                                          |      |

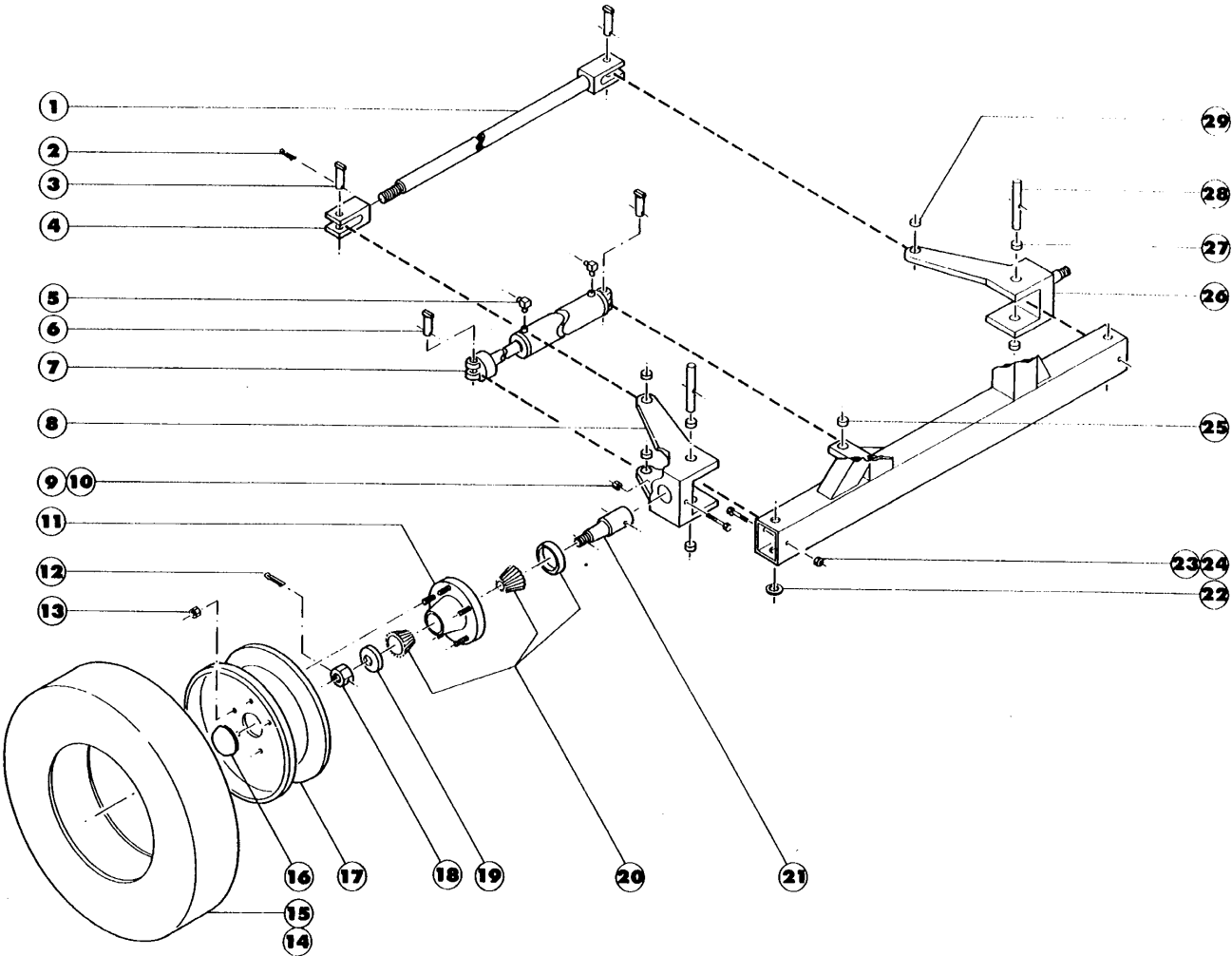
206.1 Drive Train Installation



## 206.1 Drive Train Installation

| Item | Part No.  | Description                                         | Qty. |
|------|-----------|-----------------------------------------------------|------|
| 25-  | 19366GT   | BACK PLATE-13060 BRAKE .....                        |      |
| 25-  | 19367GT   | FLAPPER PLATE-13060 BRAKE .....                     |      |
| 25-  | 19368GT   | ROTOR-13060 BRAKE .....                             |      |
| 25-  | 19388GT   | COIL,36V,13060 BRAKE .....                          |      |
| 26   | 13062GT   | MOTOR,ELECTRIC,DRIVE OLD Z30 .....                  | 1    |
| 26-  | 13062-1GT | MOTOR BRUSH-ELEC.DRIVE MOTOR .....                  | 4    |
|      |           | (not shown)                                         |      |
| 26-  | 35091GT   | KEY,2 3/4" (13060) .....                            |      |
| 26-  |           | BRUSH RIGGING,13062,23403*** .....                  |      |
|      |           | (component no longer available)                     |      |
| 27   | 13002GT   | SCREW,HHC,5/16-18 X 1 GR5 .....                     | 6    |
| 28   | 6886GT    | WASHER,LOCK,,313 .....                              | 6    |
| 29   | 4828GT    | NUT,NYLOCK,3/8-16 .....                             | 1    |
| 30   | 6019GT    | SCREW,HHC,3/8-16 X 1.25 GRD 5 .....                 | 1    |
| 31   | 13328GT   | WELDMENT-ELEC MOTOR/REDUCER MT .....                | 1    |
| 31-  | 13951PGT  | BRAKE COVER STAMPING --(BLUE) .....                 |      |
| 32   | 13349GT   | FLATBAR-10.62" MOTOR BRACKET%% .....                | 1    |
| 33   | 35682GT   | DRIVE REDUCER KIT,Z30 .....                         | 1    |
|      |           | (component no longer available) (replaced PN 13054) |      |
| 33-  | 13054-1GT | SEAL, INPUT SHAFT-SPD REDUCER .....                 |      |
|      |           | (for 13054GT)                                       |      |
| 33-  | 13054-2GT | SEAL, OUTPUT SHAFT-SPD REDUCER .....                |      |
|      |           | (for 13054GT; no longer available)                  |      |
| 34   | 6198GT    | NUT, NYLOCK, 1/2-13 .....                           | 4    |
| 35   | 13324GT   | PLATE-GEARBOX, REAR .....                           | 1    |
| 36   |           | 1/2-13 x 4.5" GRD 5 BOLT .....                      | 4    |
| 37   | 13822GT   | DRIVE SHAFT-STANDARD AND HD!! .....                 | 1    |
| 38   | 13015GT   | SCREW,SET,HS 3/8-16 X .375 .....                    | 1    |

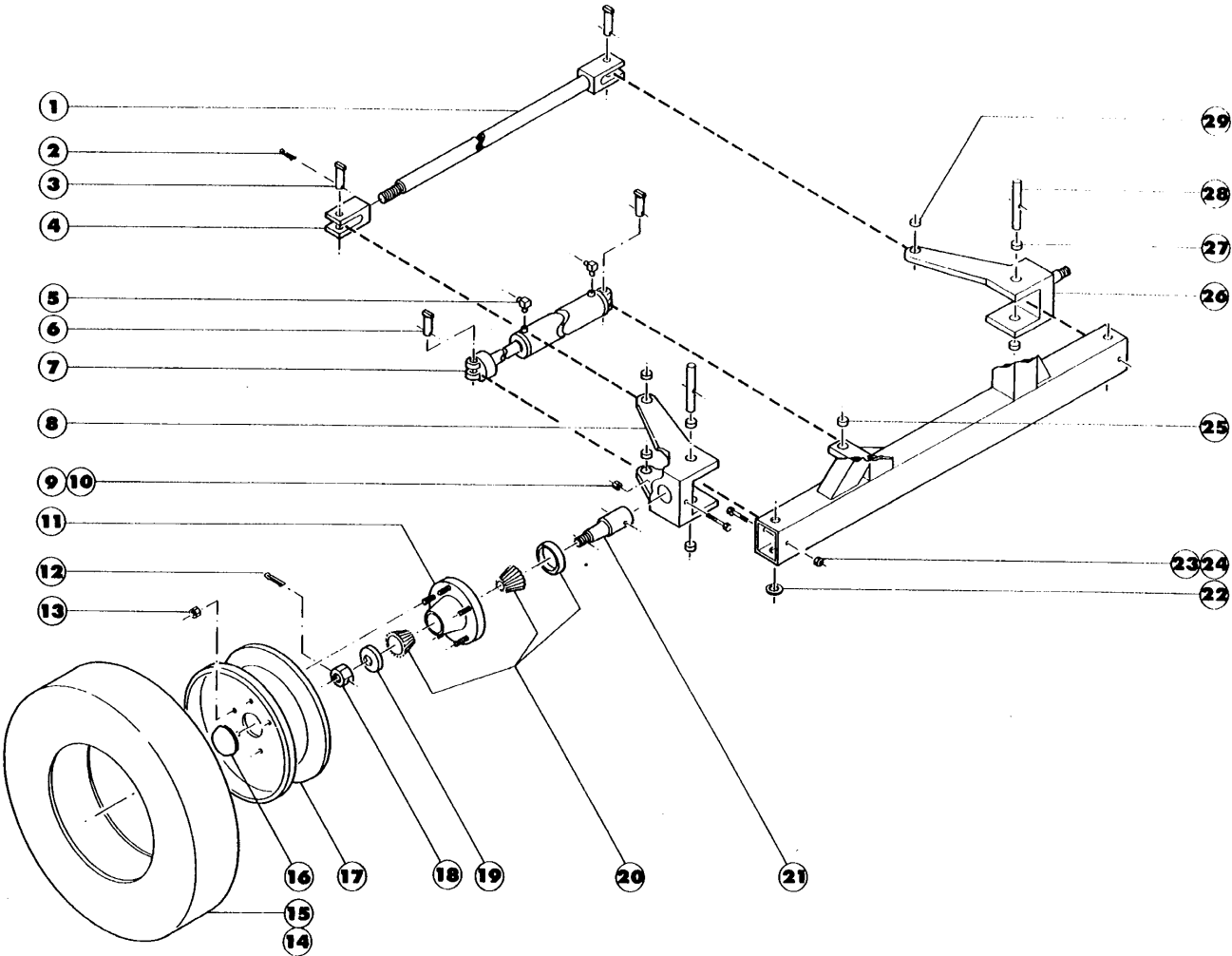
207.1 Front End/Steering Installation



## 207.1 Front End/Steering Installation

| Item | Part No.   | Description                                                                              | Qty. |
|------|------------|------------------------------------------------------------------------------------------|------|
|      | 13732GT    | TUBE-FRONT AXLE,500 LB .....                                                             |      |
| 1A   | 13365GT    | TIE ROD WELDMENT-300 lb .....                                                            | 1    |
| 1B   | 13751GT    | TIE ROD WELDMENT-500 LB .....                                                            | 1    |
| 2    | 5361GT     | PIN,COTTER,.125 X 1.5 .....                                                              | 4    |
| 3    | 19440GT    | PIN,CLEVIS,1 X 2.5 LG .....                                                              | 2    |
| 4    | 23154-SGT  | WELDMENT,ROD END .....                                                                   | 1    |
| 5    | 13114GT    | ELBOW,070202-4-6 .....                                                                   | 2    |
| 6    |            | Same as item 3 .....                                                                     | 2    |
| 7    | 13078GT    | CYLINDER,HYD-2 X 6 X 16.25 .....                                                         | 1    |
| 8    |            | SPINDLE/CYL LUG Z30HD RH .....                                                           | 1    |
| 9    | 6198GT     | NUT, NYLOCK, 1/2-13 .....                                                                | 2    |
| 10   | 12461GT    | SCREW,HHC,1/2-13 X 5,GRD.8 .....                                                         | 2    |
| 11   | 13073-7GT  | WHEEL HUB W/RACES-300# HUB KIT<br>Includes inner & outer cups, lug nuts, and studs ..... | 2    |
| 12   | 13073-1GT  | COTTER PIN-300# HUB KIT .....                                                            | 2    |
| 13   | 13073-3GT  | LUG NUT-300# HUB KIT .....                                                               | 10   |
| 14   | 13046GT    | TIRE TUBE 7.00-15 .....                                                                  | 2    |
| 15   | 13045GT    | TIRE, 7.00-15LT 8 PLY .....                                                              | 2    |
| 16   | 13635-6PGT | CAP, DUST, 13635 HUB KIT,BLUE .....                                                      | 2    |
| 17   | 13072GT    | WHEEL,RIM- 15 X 6 -.25 OFFSET .....                                                      | 2    |
| 18   | 13073-4GT  | CASTLE NUT-300# HUB KIT .....                                                            | 2    |
| 19   | 13073-6GT  | WASHER,300# HUB KIT .....                                                                | 2    |
| 20   | 13073-5GT  | HUB REPAIR KIT-300 LB. ....                                                              | 1    |
| 20-  | 13073-8GT  | BEARING,OUTER 13073-7 HUB KIT .....                                                      | 1    |
| 20-  | 13073-9GT  | BEARING,INNER, 13073-7 HUB KIT .....                                                     | 1    |
| 20-  | 13073-10GT | SEAL-GREASE,300# .....                                                                   | 1    |
| 20-  | 13073-11GT | WHEEL STUD,1/2-20UNF (HD&STD) .....                                                      |      |
| 21   | 13745GT    | AXLE-500 LB SPINDLE YOKE .....                                                           | 2    |
| 22   | 13071GT    | WASHER,THRUST 2 7/8X1 1/4 X1/8 .....                                                     | 2    |

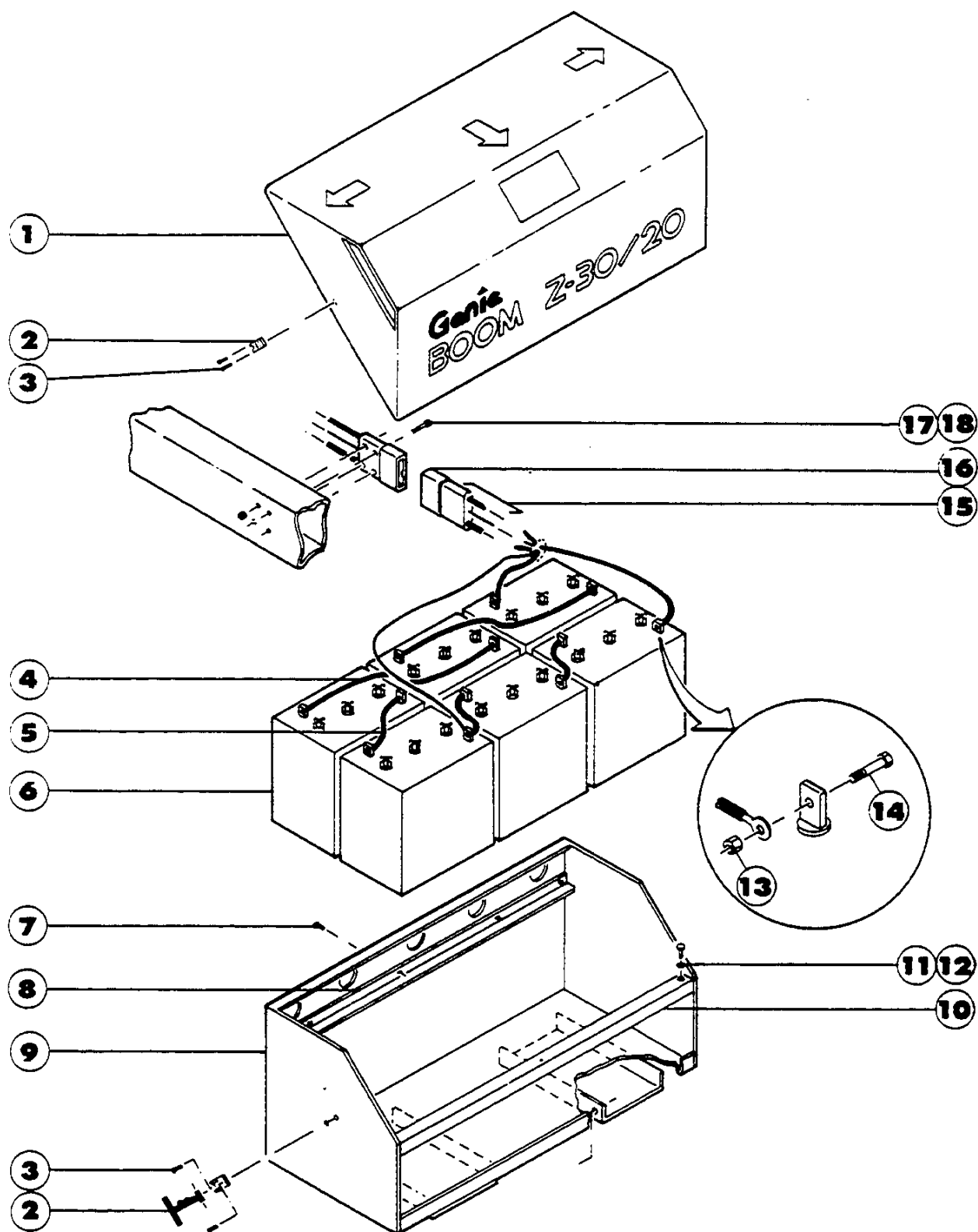
207.1 Front End/Steering Installation



## 207.1 Front End/Steering Installation

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                   | <i>Qty.</i> |
|-------------|-----------------|--------------------------------------|-------------|
| 23          | 6605GT          | SCREW,HHC,3/8-16 X 3.5,GR5 .....     | 2           |
| 24          | 4828GT          | NUT,NYLOCK,3/8-16 .....              | 2           |
| 25          | 13079GT         | BUSHING 1.25 X 1 X 1, OILITE .....   | 1           |
| 26          | 13360GT         | SPINDLE/CYL LUG Z30HD LH .....       | 1           |
| 27          | 13012GT         | BUSHING, 1.5 X 1.25 X 1,OILITE ..... | 4           |
| 28          | 13366GT         | PIN, 1.25DIA. X 7.25LG, 2HOLE .....  | 2           |
| 29          | 13079GT         | BUSHING 1.25 X 1 X 1, OILITE .....   | 3           |

## 208.1 Battery Box Installation

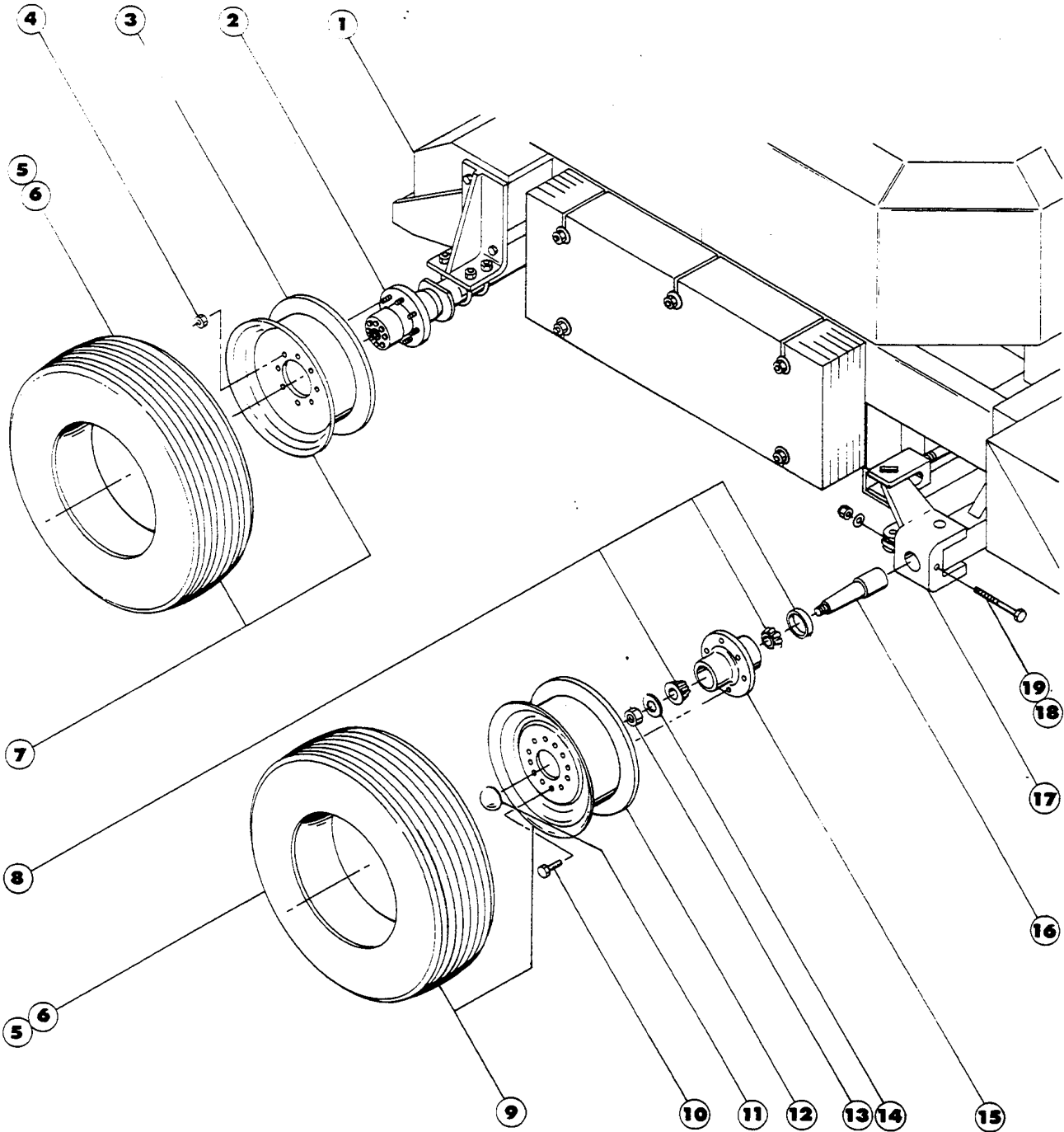




## 208.1 Battery Box Installation

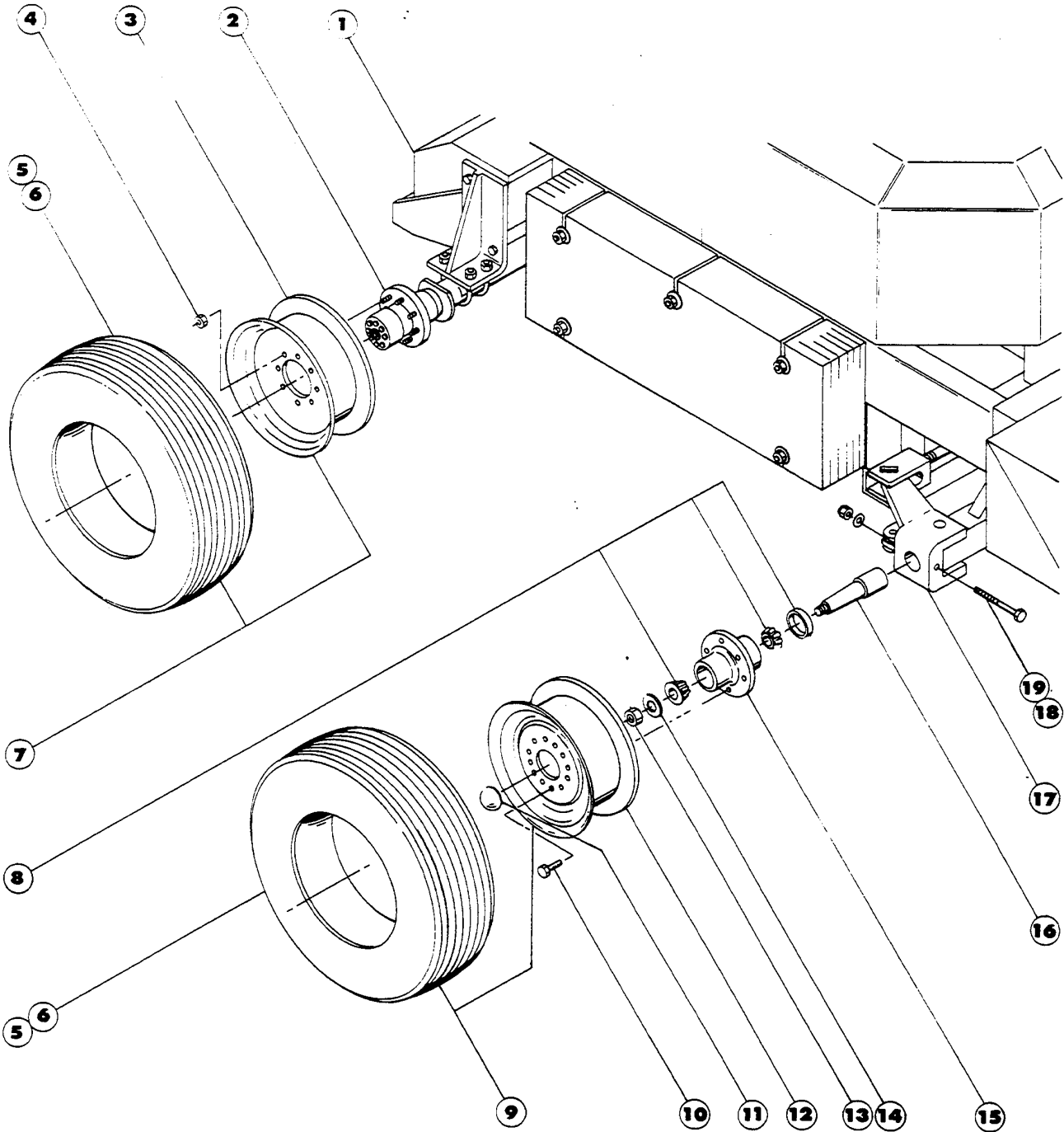
| Item | Part No.  | Description                                                                       | Qty. |
|------|-----------|-----------------------------------------------------------------------------------|------|
|      | 13538GT   | BATT.BOX W/CABLES & DECALS-Z30 .....<br>Includes Battery Box Cable Kit; Not Shown | 1    |
|      | 13193GT   | BATTERY BOX CABLE KIT .....<br>Includes Item No.'s 4, 5 and 15; Not Shown         | 1    |
| 1    | 12877GT   | BATT. BOX COVER W/DECAL,PAINT .....                                               | 1    |
| 2    | 57881GT   | LATCH, RUBBER, 3-13/32 X 1-7/8 .....                                              | 2    |
| 3    | 6272GT    | RIVET,STL,STL,P,.125 X .25 .....                                                  | 8    |
| 4    | 13192GT   | BAT.CABLE ASSY-BAT.BOX CAB.KIT .....                                              | 2    |
| 5    | 13191GT   | BAT.CABLE ASSY-BAT.BOX .....                                                      | 3    |
| 6A   |           | Battery - 6 Volt, 220A, H, Group GC2H (H-11-3/8" x W-10-3/8" x D-7-3/16") .....   | 6    |
| 6B   | 13006GT   | BATTERY-245AH TALL VERSION** .....<br>11-7/8" H x 10-5/16" L x 7-1/16" W          | 6    |
| 6C   | 13006-SGT | BATTERY-245AH SHORT VERSION** .....<br>10-7/8" H x 10-5/16" L x 7-1/16" W         | 6    |
| 7    | 6271GT    | RIVET,STL,STL.MAN,P,.25 X .25 .....                                               | 4    |
| 8    | 13625GT   | Steel Angle (rear) .....<br>(component no longer available)                       | 1    |
| 9    | 13410GT   | BATTERY BOX WELDMENT-BOOM .....                                                   | 1    |
| 10   | 13624PGT  | BATTERY HOLD DOWN ANGLE,PTD .....                                                 | 1    |
| 11   | 6356GT    | WASHER,LOCK,.25 .....                                                             | 2    |
| 12   | 6090GT    | SCREW, HHC, 1/4-20 X .75 .....                                                    | 2    |
| 13   | 6037GT    | NUT,HEX,5/16-18,GR5 .....                                                         | 12   |
| 14   | 13002GT   | SCREW,HHC,5/16-18 X 1 GR5 .....                                                   | 12   |
| 15   | 13188GT   | BATTERY BOX POWER CORD ASSY .....                                                 | 1    |
| 16   | 128138GT  | CONN HOUSING SBX175, BATT .....                                                   | 2    |
| 16-  | 32147GT   | TERMINAL,5/16 RING,#2 CABLE .....                                                 |      |
| 16-  | 32148GT   | WELDING CABLE #2 BLACK .....                                                      | 19   |
| 16-  | 32148GT   | WELDING CABLE #2 BLACK .....                                                      | 14   |
| 17   | 12347GT   | 1/4-20 x 4-1/2" GRD 5 Bolt .....                                                  | 4    |
| 18   | 6091GT    | NUT, NYLOCK, 1/4-20 .....                                                         | 4    |

209.1 HD Wheel Assembly



| Item | Part No.  | Description                                                                                 | Qty. |
|------|-----------|---------------------------------------------------------------------------------------------|------|
|      | 13752GT   | AXLE MOUNT WELDMENT,RH-500 LB. ....                                                         |      |
|      | 13753GT   | AXLE MOUNT WELDMENT,LH-500 LB. ....                                                         |      |
|      | 13751GT   | TIE ROD WELDMENT-500 LB ....                                                                |      |
|      | 13366GT   | PIN, 1.25DIA. X 7.25LG, 2HOLE ....<br>(spindle king pin)                                    |      |
| 1    |           | OBS.-}13883(5)13909(1)<br>( some components no longer available; refer to 13883, and 13909) | 1    |
| 2    | 13770GT   | REAREND WELD-500 LB BOOM OBS** ....<br>(component no longer available)                      | 1    |
| 2-   | 20921GT   | SEAL-13770 REAREND AXLE ....                                                                |      |
| 2-   | 13734GT   | U-BOLT,1/2-13 X 5 GRD.5 STL** ....                                                          |      |
| 3    |           | RIM,Z30HD,15 X 8(8 HOLE) ....<br>(component no longer available)                            | 2    |
| 4    | 13047GT   | NUT,LUG,1/2-20 X 90DEG-13/16HX ....                                                         | 10   |
| 5    |           | TIRE,Z30/20HD,11L X 15%% ....<br>(component no longer available)                            | 4    |
| 6    |           | TIRE TUBE, FOR 13637 ....<br>(component no longer available)                                | 4    |
| 7    | 13846GT   | ASSY,TIRE & WH.,Z30HD,DRIVE,AF ....                                                         | 2    |
| 7    | 13643GT   | ASSY,TIRE & WH.,Z30HD,DRIVE,FF ....                                                         | 2    |
| 8    | 13635-1GT | HUB REPAIR KIT, 500 LB BOOM ....                                                            | 2    |
| 9    | 13845GT   | ASSY,TIRE & WH.,Z30HD,STEER,AF ....                                                         | 2    |
| 9    | 13642GT   | ASSY,TIRE & WH.,Z30HD,STEER,FF ....                                                         | 2    |
| 10   | 13635-5GT | BOLT-WHEEL LUG,500 LB BOOM ....                                                             | 12   |
| 11   | 13635-6GT | CAP, DUST, 13635 HUB KIT ....                                                               | 2    |
| 12   |           | RIM,V24RT/Z30HD,15X8(6 HOLE) ....<br>(component no longer available)                        | 2    |
| 13   | 13635-3GT | NUT,SPINDLE,3/4-16 ....                                                                     | 2    |
| 14   | 13635-4GT | WASHER,SPINDLE, 500 LB BOOM ....                                                            | 2    |
| 15A  | 22881GT   | HUB KIT,ARMSTRONG ....<br>(includes items 8 and 11)                                         | 2    |
| 15B  | 13635GT   | HUB KIT--500 LB BOOM--- ....<br>(includes items 13-15A)                                     |      |
| 16   | 13745GT   | AXLE-500 LB SPINDLE YOKE ....                                                               | 2    |
| 17   | 13748GT   | SPIN/TIE LUG ASSY-RH/500LB ....                                                             | 1    |
| 17   | 13749GT   | SPIN/TIE LUG ASSY-LH/500LB ....                                                             | 1    |
| 17-  | 13071GT   | WASHER,THRUST 2 7/8X1 1/4 X1/8 ....                                                         |      |

209.1 HD Wheel Assembly

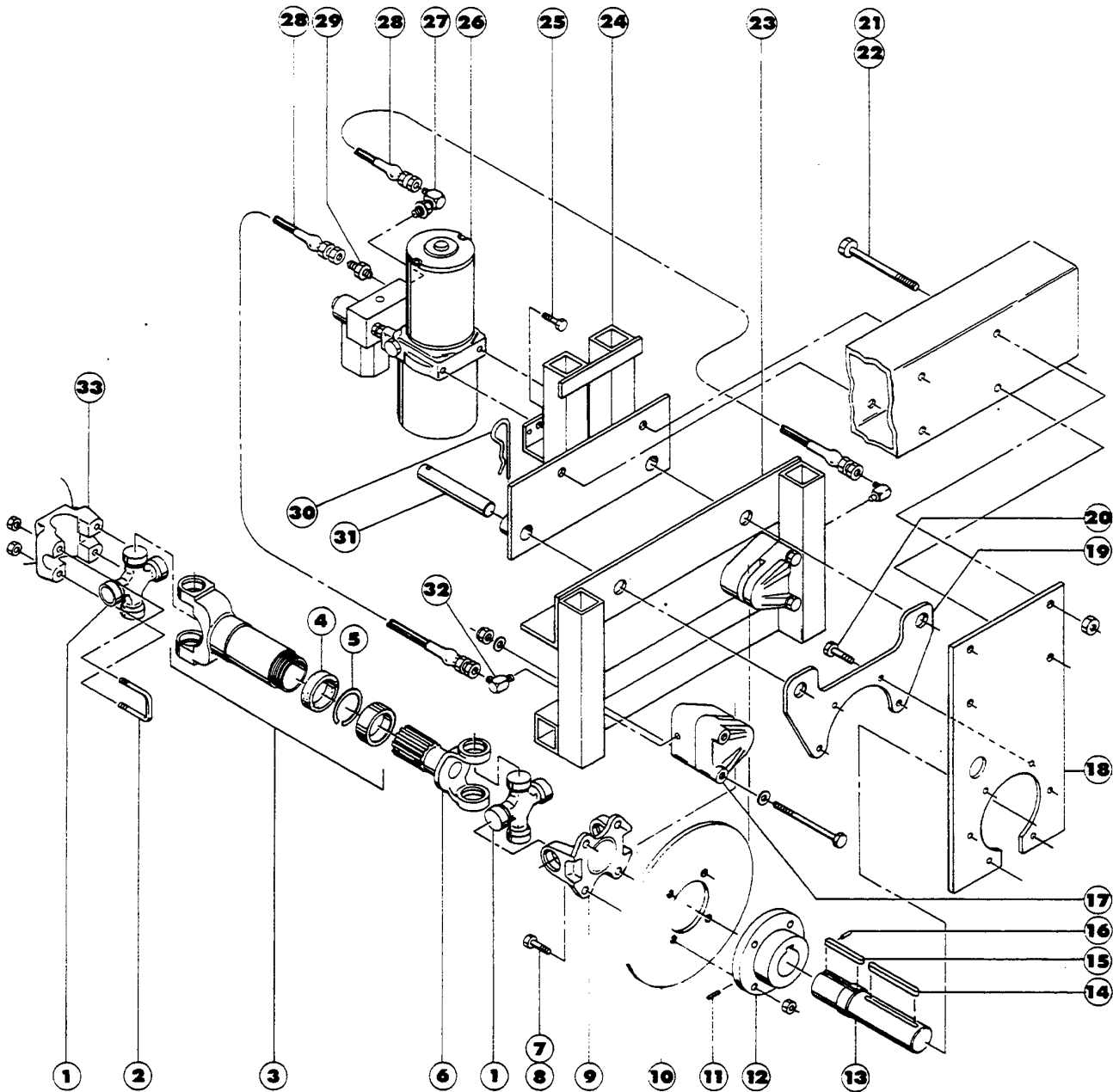


209.1 HD Wheel Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                 | <i>Qty.</i> |
|-------------|-----------------|------------------------------------|-------------|
| 18          | 6073GT          | SCREW,HHC,1/2-13 X 5.5,GRD.8 ..... | 2           |
| 19          | 6198GT          | NUT, NYLOCK, 1/2-13 .....          | 2           |



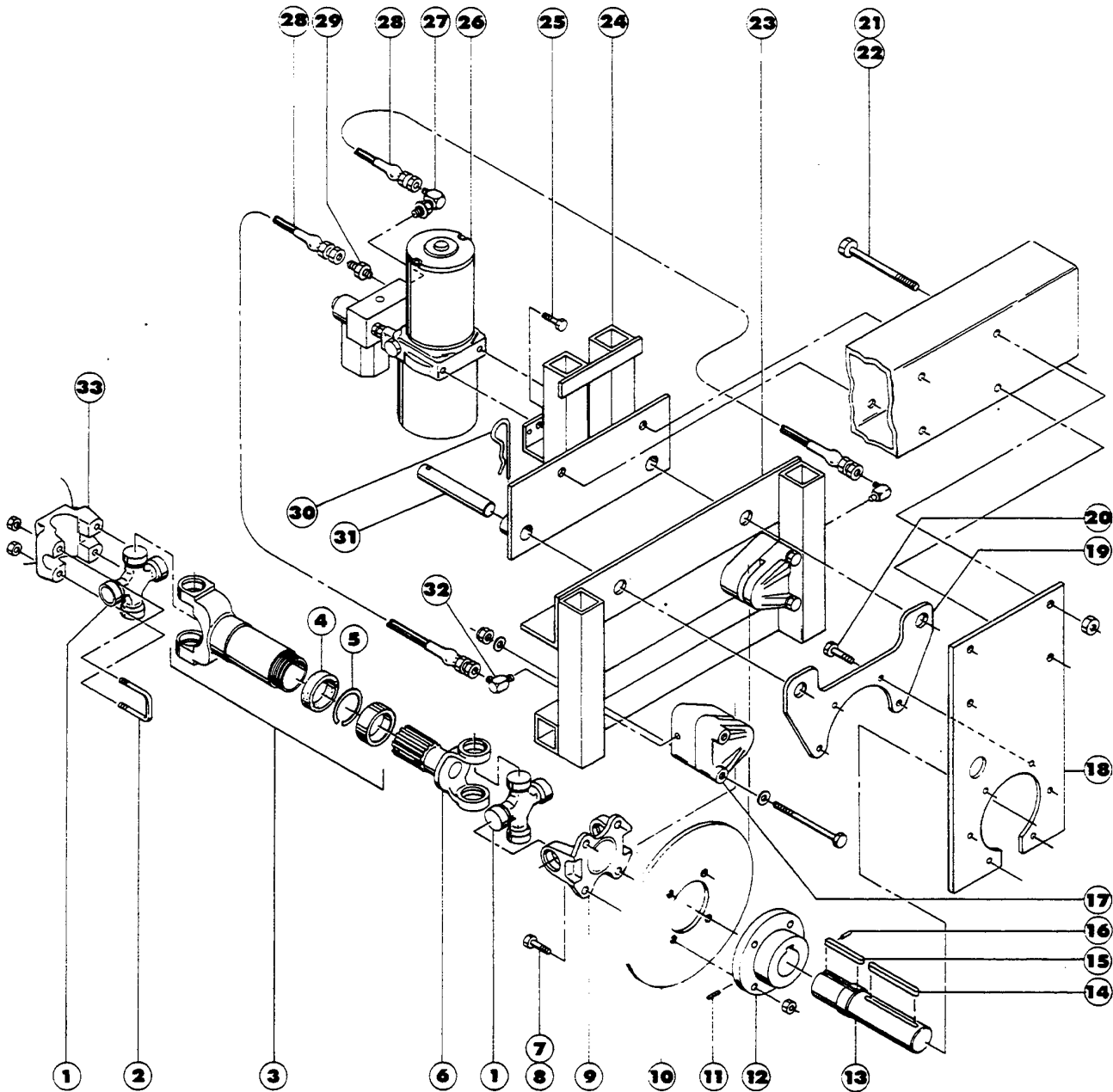
210.1 HD Drive Line/Service Brake Assembly



## 210.1 HD Drive Line/Service Brake Assembly

| Item | Part No.  | Description                          | Qty. |
|------|-----------|--------------------------------------|------|
| 1    | 13049GT   | U-JOINT KIT .....                    | 2    |
| 2    | 13050GT   | U-BOLT KIT (1 BOX) .....             | 2    |
| 3    | 13051GT   | YOKE, SLIP, "UN-PAINTED" .....       | 1    |
| 4    | 13984GT   | CORK GASKET-SLIP YOKE (STD,HD) ..... | 1    |
| 5    | 13985GT   | WASHER,SPLIT-SLIP YOKE(STD,HD) ..... | 1    |
| 6    | 13874GT   | SPICER YOKE SHAFT .....              | 1    |
| 7    | 13918GT   | SCREW,HHC,3/8-16 X 1.75,GRD.8 .....  | 4    |
| 8    | 4828GT    | NUT,NYLOCK,3/8-16 .....              | 4    |
| 9    | 13873GT   | SPICER FLANGE YOKE .....             | 1    |
| 10   | 13877GT   | BRAKE DISC, 10" .....                | 2    |
| 11   | 13015GT   | SCREW,SET,HS 3/8-16 X .375 .....     | 4    |
| 12   | 13056GT   | COUPLER HALF, 4 INCH (ALUM) .....    | 1    |
| 12-  | 13912GT   | HUB--DISC BRAKE .....                |      |
| 13   | 13822GT   | DRIVE SHAFT-STANDARD AND HD!! .....  | 1    |
| 14   | 15622GT   | KEY-Z30/20 REDUCER/DRIVE SHAFT ..... | 1    |
| 15   | 13598GT   | KEY, DRIVE SHAFT 2" .....            | 1    |
| 16   | 12873GT   | PIN,ROLL,.125 X .5 .....             | 1    |
| 17   | 13876GT   | BRAKE CALIPER .....                  | 2    |
|      |           | Incl. Fasteners                      |      |
| 17-  | 13876-1GT | BRAKE CALIPER PUCK,1 PC .....        | 2    |
|      |           | (requires two per brake caliper)     |      |
| 17-  | 19919GT   | SEAL KIT,13876 CALIPER .....         | 2    |
|      |           | (requires two per brake caliper)     |      |
| 18   | 13324GT   | PLATE-GEARBOX, REAR .....            | 1    |
| 19   | 13914GT   | PLATE,DISC BRAKE MOUNT-DRILLED ..... | 1    |
| 20   | 14723GT   | SCREW,HHC,5/16-18 X 1.75 .....       | 4    |
| 21   | 13854GT   | SCREW,HHC,1/2-13 X 4.5,GRD.8 .....   | 4    |
| 22   | 6198GT    | NUT, NYLOCK, 1/2-13 .....            | 4    |
| 23   | 13898GT   | BRAKE CALIPER BRACKET WELDMENT ..... | 1    |
| 24   | 13895GT   | BRAKE SUPPORT WELDMENT .....         | 1    |
| 25   | 94195GT   | SCREW,HHC,3/8-16 X .75,GR 8 .....    | 2    |

210.1 HD Drive Line/Service Brake Assembly

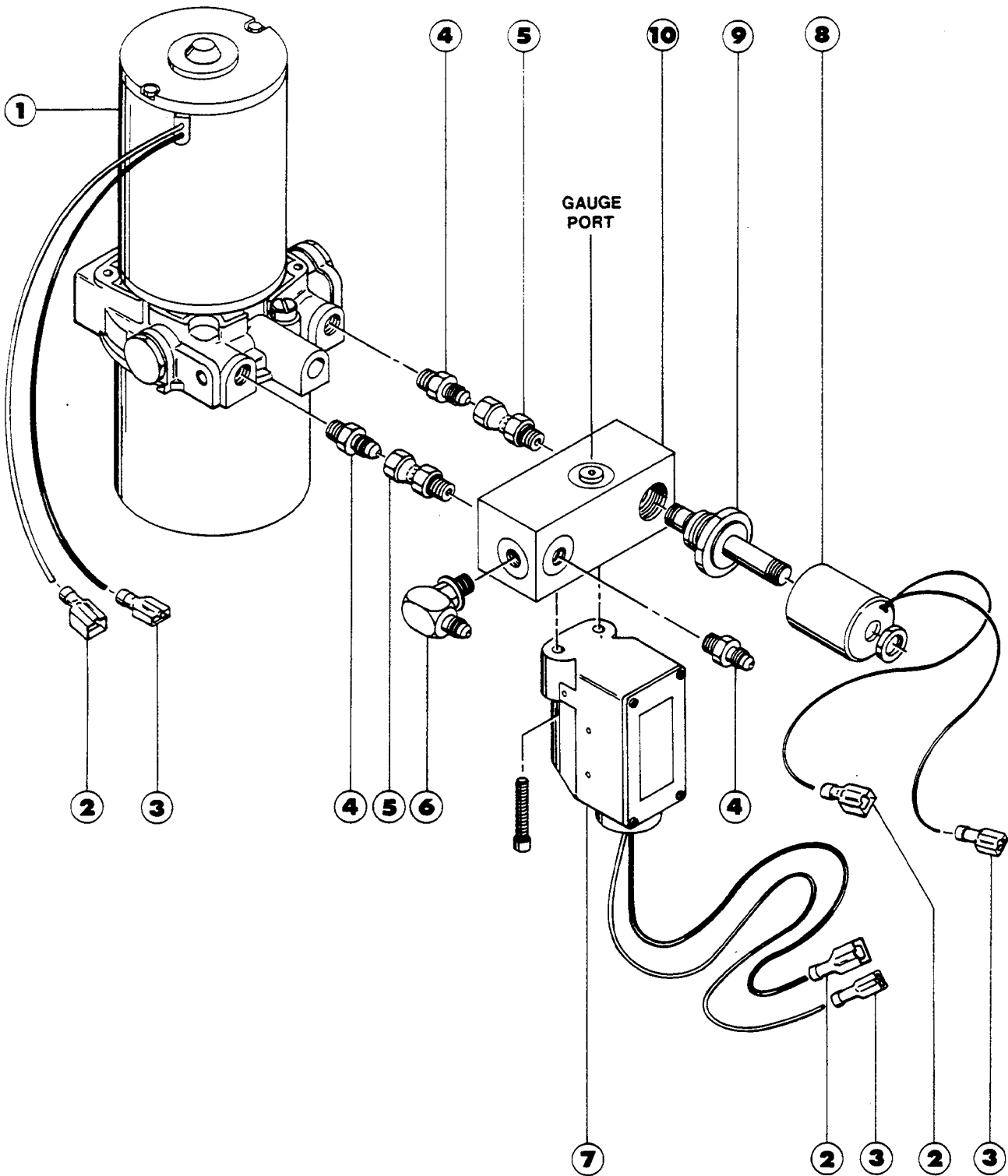




## 210.1 HD Drive Line/Service Brake Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                   | <i>Qty.</i> |
|-------------|-----------------|--------------------------------------|-------------|
| 26          | 13922GT         | POWER UNIT ASSY--BOOM BRAKES** ..... | 1           |
| 27          | 13921GT         | ELBOW, 07022-4-4 .....               | 1           |
| 28          | 13521GT         | HYD.HOSE ASSY W/FITTINGS-29.75 ..... | 2           |
| 29          | 13755GT         | CONNECTOR,070120-4-4 .....           | 3           |
| 30          | 12875GT         | CLIP,HAIR PIN .125 X 3.25 .....      | 2           |
| 31          | 13915GT         | PIN,CALIP/BRKT INSTALL----4.75 ..... | 2           |
| 32          | 13920GT         | ELBOW,070202-4-2 .....               | 2           |
| 33          | 20494GT         | COVER-13770 AXLE GEARBOX .....       | 1           |

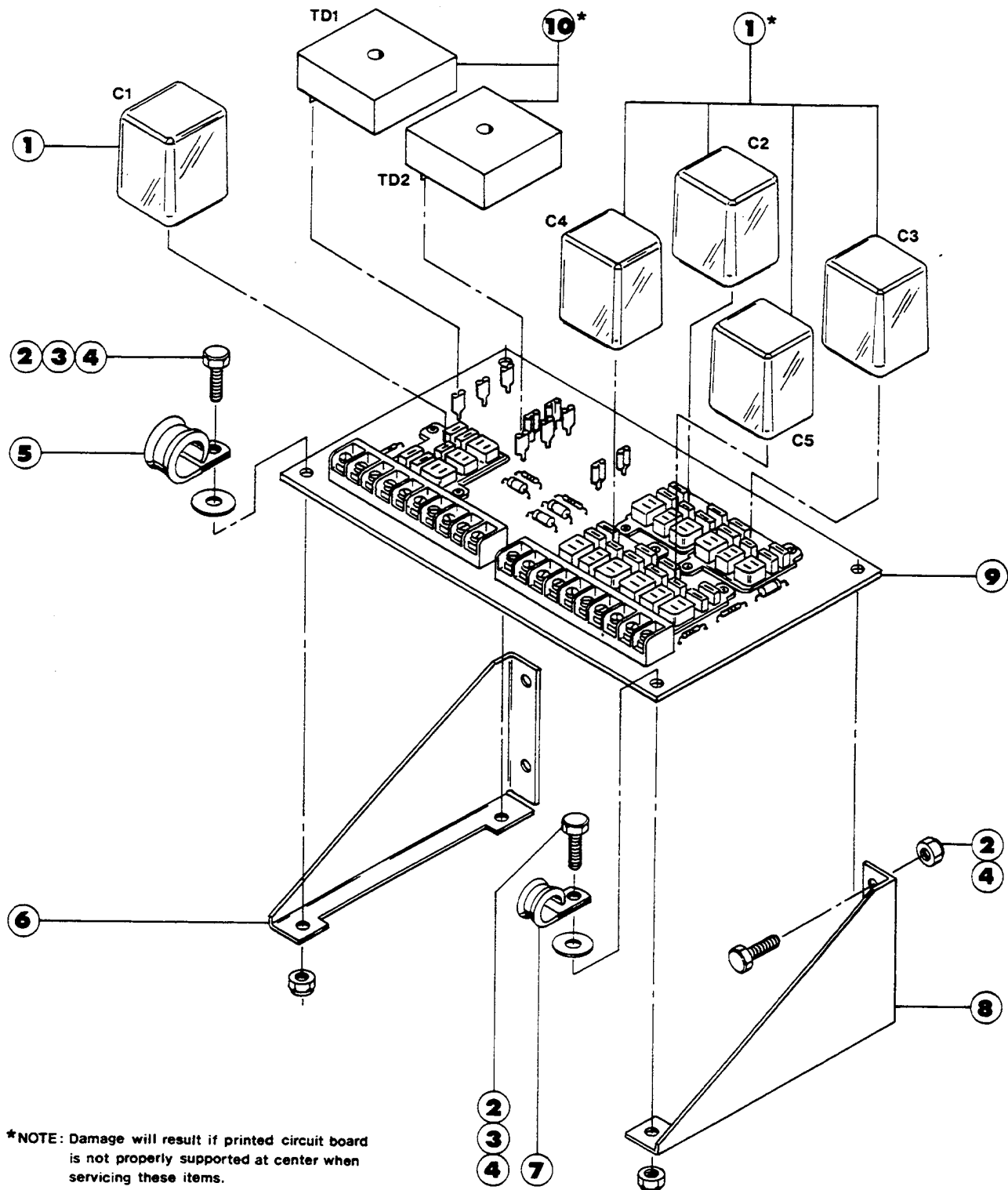
211.1 HD Brake Power Unit Assembly



## 211.1 HD Brake Power Unit Assembly

| Item | Part No. | Description                                                                                                         | Qty. |
|------|----------|---------------------------------------------------------------------------------------------------------------------|------|
|      | 13922GT  | POWER UNIT ASSY--BOOM BRAKES**<br>(includes power unit, manifold, valve and switch)                                 |      |
| -    | 16146GT  | VALVE CARTRIDGE,RELIEF-400 PSI                                                                                      |      |
| -    | 16145GT  | O-RING, .28 O.D.X .16 I.D.                                                                                          |      |
| 1    | 19162GT  | POWER UNIT-36VDC-DISC BRAKE**<br>(if replacing PN 13878 with PN 19162 then must also order PN 17946 BRAKE MANIFOLD) | 1    |
| 1-   | 17850GT  | MOTOR,36V (BRAKE POWER UNIT)*                                                                                       | 1    |
| 1-   | 31331GT  | RESERVOIR-19162 PWR UNIT                                                                                            | 1    |
| 1-   | 13183GT  | ELEC.CORD ASSY,16-2 LH CAB.BUN                                                                                      | 1    |
| 1-   | 24469GT  | DIPSTICK,15917 POWER UNIT                                                                                           | 1    |
| 1-   | 21542GT  | COUPLER-19162 POWER UNIT                                                                                            | 1    |
| 2    | 13826GT  | TERMINAL,FEM.BUTT SEAM:16/14                                                                                        | 3    |
| 3    | 13825GT  | TERMINAL,COUPLER,MALE,14-16GA                                                                                       | 3    |
| 4    | 13755GT  | CONNECTOR,070120-4-4                                                                                                | 3    |
| 5    | 13902GT  | ADAPTER,6402-4-4                                                                                                    | 2    |
| 6    | 13921GT  | ELBOW, 07022-4-4                                                                                                    | 1    |
| 7    | 13879GT  | SWITCH,BRAKE PRESSURE                                                                                               | 1    |
| 8    | 58221GT  | SOLENOID COIL,(BOOM BRAKES)***<br>(PN 58221 Coil is for 58220 Valve)                                                | 1    |
| 9    | 58220GT  | VALVE,SOLENOID***                                                                                                   | 1    |
| 10   | 17946GT  | BRAKE MANIFOLD-Z30/20 (VERS.2)                                                                                      | 1    |

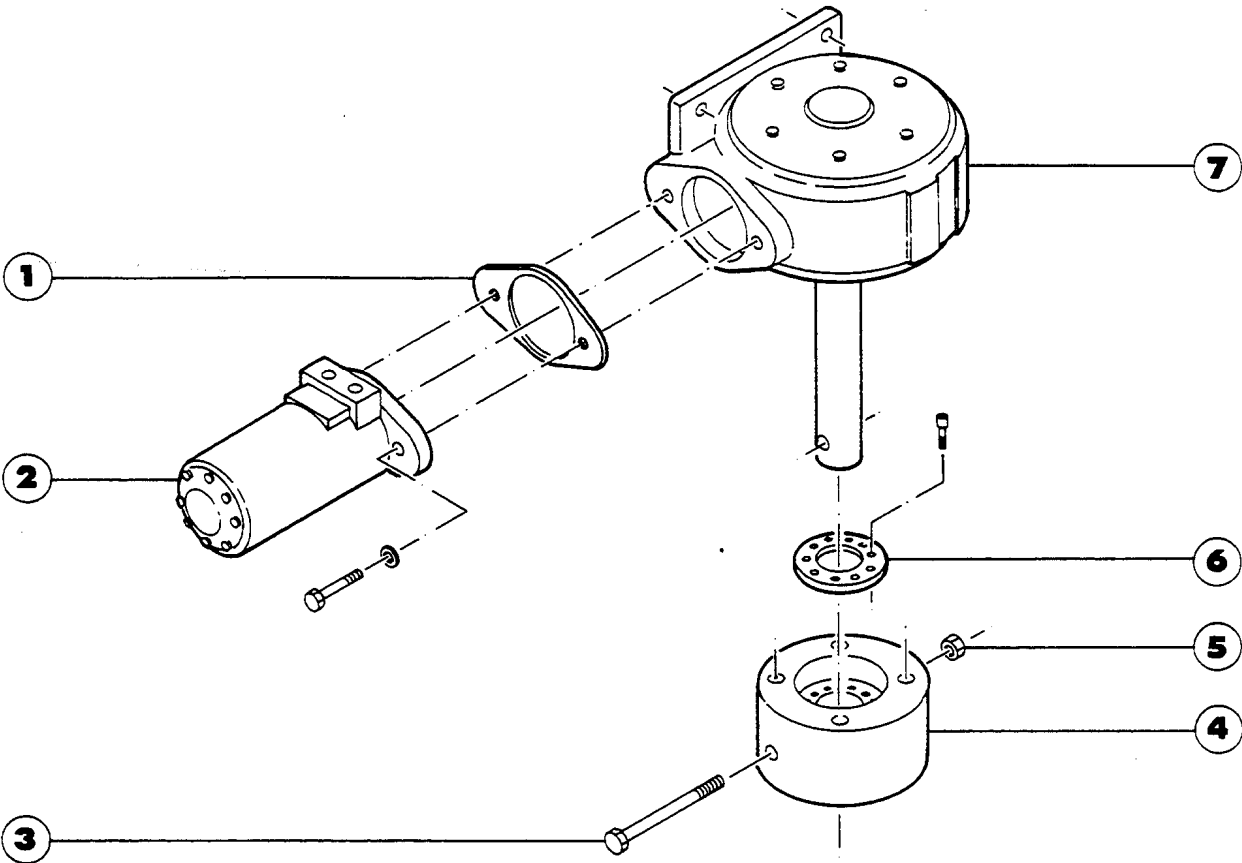
## 212.1 HD Brake Printed Circuit Board Assembly



## 212.1 HD Brake Printed Circuit Board Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                                         | <i>Qty.</i> |
|-------------|-----------------|----------------------------------------------------------------------------|-------------|
| 1A          | 13883GT         | RELAY,DPDT,(BOOM BRAKES)Z30HD .....<br>(C4 is for forward/reverse)         | 5           |
| 1A-         | 20576GT         | CLIP-RELAY RETAINING .....                                                 |             |
| 1B          | 20548GT         | RELAY,DPDT,W/MAGNETIC BLOWOUT .....                                        |             |
| 2           | 6090GT          | SCREW, HHC, 1/4-20 X .75 .....                                             | 8           |
| 3           | 6638GT          | WASHER, FLAT, USS, 1/4"Y .....                                             | 4           |
| 4           | 6091GT          | NUT, NYLOCK, 1/4-20 .....                                                  | 8           |
| 5           | 6833GT          | CLAMP,0.50,#8 X 1/4,RUB CUSH .....                                         | 1           |
| 6           | 13916GT         | BRACKET-LH, BRAKE P.C. BOARD .....                                         | 1           |
| 7           | 13268GT         | CLAMP, 0.75, #12 X 1/4, RUB CUSH .....                                     | 1           |
| 8           | 13917PGT        | BRACKET-RH, BRAKE P.C. BOARD .....                                         | 1           |
| 9           | 13909GT         | PCB,ASSY,BOOM BRAKES .....<br>(part obsolete; limited inventory available) | 1           |
| 10          |                 | RELAY,TIME DELAY,BOOM BRAKES .....<br>(part no longer available)           | 2           |

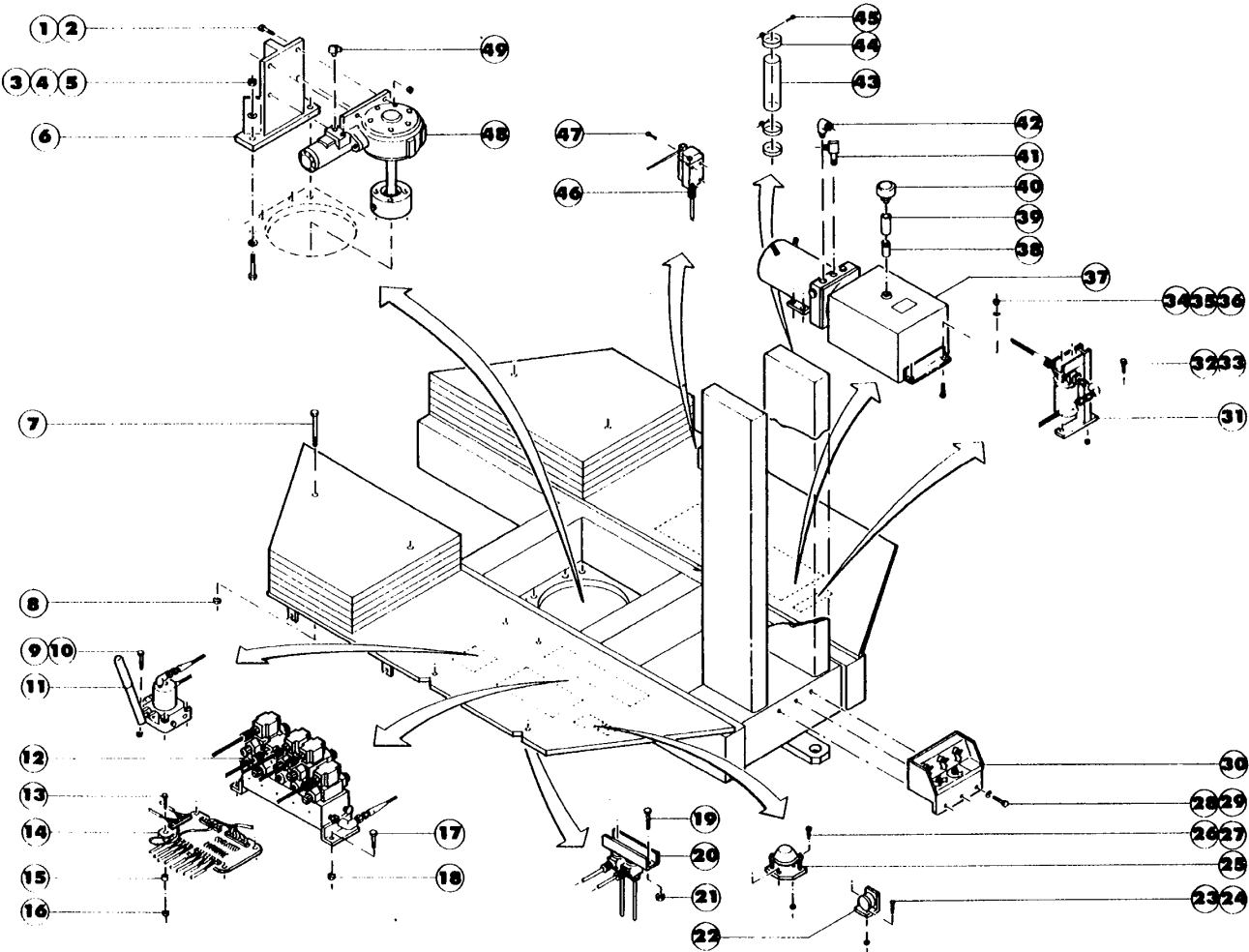
301.1 Turntable Gearbox Assembly



## 301.1 Turntable Gearbox Assembly

| Item | Part No.   | Description                                                       | Qty. |
|------|------------|-------------------------------------------------------------------|------|
|      |            | TURNTABLE GEARBOX ASSY** .....                                    | 1    |
|      | 13063GT    | GEARBOX W/O TIE RODS .....                                        | 1    |
| 1    | 13063-1GT  | GASKET KIT-TURN.GEARBOX MOTOR .....                               | 1    |
| 2    | 13063-2GT  | HYDR. MOTOR-TURNTABLE GEARBOX .....                               | 1    |
| 3    | 12460GT    | SCREW,HHC,1/2-13 X 6.5<br>(see PN 13005GT for 6-inch screw) ..... | 1    |
| 4    | 13067GT    | GEARBOX COUPLER .....                                             | 1    |
| 5    | 6198GT     | NUT, NYLOCK, 1/2-13 .....                                         | 1    |
| 6    | 13086GT    | LOCKING ASSEMBLY .....                                            | 1    |
| 7    | 13063-3GT  | TURN.GEARBX ASSY-LESS HY.MOTOR .....                              | 1    |
| 7-   | 13063-4GT  | SEAL,OIL,T.T.GRBOX OUTPUT.SHFT .....                              |      |
| 7-   | 13063-5GT  | BRONZE GEAR-ROT.GEARBOX,BLOOM .....                               |      |
| 7-   | 13063-6GT  | KEY,3/8"X3/8"X1-7/16"-ROT.GBOX .....                              |      |
| 7-   | 13063-7GT  | SHAFT,OUTPUT, 1.5DIA-ROT.GRBOX .....                              |      |
| 7-   | 13063-8GT  | FLANGE,T.T. GEARBOX MOTOR .....                                   |      |
| 7-   | 13063-9GT  | MOTOR MNT BOLT W/WASHR,5/16-18 .....                              |      |
| 7-   | 13063-10GT | O-RING,GEARBOX MOTOR .....                                        |      |
| 7-   | 13063-11GT | MOTOR SEAL KIT (GEARBOX)***** .....                               |      |
| 7-   | 13063-12GT | COVER GASKET KIT .....                                            |      |
| 7-   | 13063-13GT | WORM SHAFT-13063 GEARBOX .....                                    |      |
| 7-   | 16890GT    | BRAKE ACC.KIT, SWING Z30HD .....                                  |      |
| 7-   | 16892GT    | BRAKE CALIPER(Z30HD SWING OLD) .....                              |      |
| 7-   | 16892-1GT  | SPRING,BELLEVILLE,16892 CALIPER .....                             |      |
| 7-   | 19900GT    | KIT,REPAIR,CALIPER (16892)*** .....                               | 2    |
| 7-   | 13876-1GT  | BRAKE CALIPER PUCK,1 PC .....                                     | 2    |
| 7-   | 17517PGT   | BRAKE DISC - (BLUE) .....                                         | 2    |
| 7-   | 16907GT    | VALVE,PRESSURE/FLOW CONTROL .....                                 |      |
| 7-   | 16907-1GT  | VALVE,RELIEF FOR 16907 BLOCK .....                                |      |

302.1 Turntable Installation

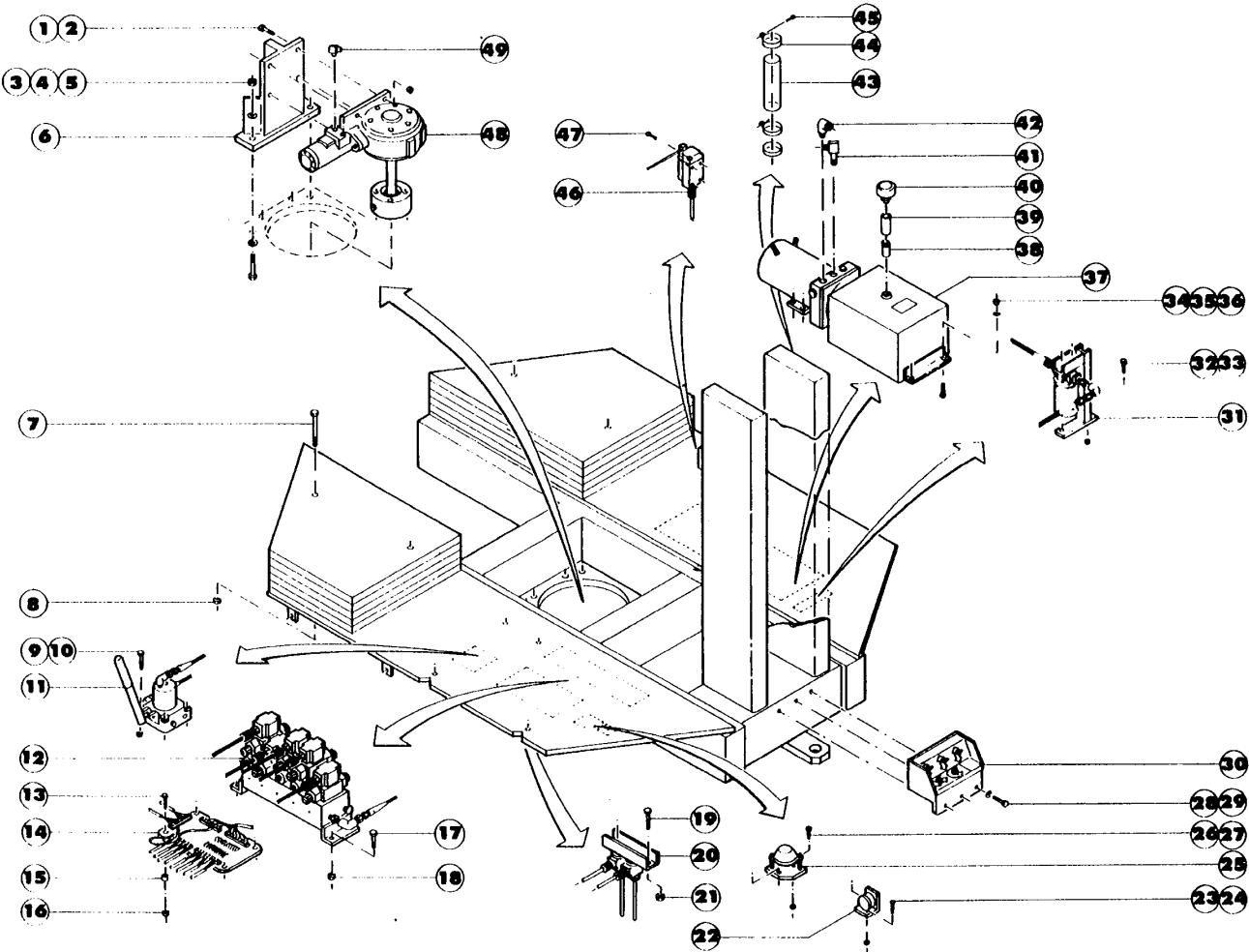




## 302.1 Turntable Installation

| Item | Part No. | Description                                                     | Qty. |
|------|----------|-----------------------------------------------------------------|------|
| 1    | 6096GT   | SCREW,HHC,1/2-13 X 2 GR5 .....                                  | 4    |
| 2    | 6198GT   | NUT, NYLOCK, 1/2-13 .....                                       | 4    |
| 3    | 6024GT   | NUT,NYLOCK,5/8-11 .....                                         | 4    |
| 4    | 13064GT  | WASHER,FLAT,.625 HARDENED .....                                 | 8    |
| 5    | 13003GT  | SCREW,HHC,5/8-11 X 3.5 GRD.8 .....                              | 12   |
| 6    | 13343GT  | GEARBOX BRACKET .....                                           | 1    |
| 7    | 12460GT  | SCREW,HHC,1/2-13 X 6.5 .....                                    | 4    |
| 8    | 6198GT   | NUT, NYLOCK, 1/2-13 .....                                       | 4    |
| 9    | 8179GT   | SCREW,HHC,1/4-20 X 2.25 .....                                   | 4    |
| 10   | 6091GT   | NUT, NYLOCK, 1/4-20 .....                                       | 4    |
| 11   |          | Hand Pump<br>refer to section 303.1 .....                       | 1    |
| 12   | 13222GT  | HYD.CONTROL VALVE 5 STATION .....                               | 1    |
| 13   | 8915GT   | SCREW,HHC,1/4-20 X 1.25 .....                                   | 4    |
| 14   |          | PCB,ASSY,500 LB ONLY**<br>(component no longer available) ..... | 1    |
| 15   | 4513GT   | SPACER - .50 .....                                              | 4    |
| 16   | 6091GT   | NUT, NYLOCK, 1/4-20 .....                                       | 4    |
| 17   | 77692GT  | SCREW,HHC,3/8-16 X 1 GRD 8 .....                                | 4    |
| 18   | 4828GT   | NUT,NYLOCK,3/8-16 .....                                         | 4    |
| 19   | 6637GT   | SCREW,HHC,1/4-20 X 1.75 .....                                   | 2    |
| 20   | 13220GT  | Rotation Limit Switch<br>refer to section 306.1 .....           | 1    |
| 21   | 6091GT   | NUT, NYLOCK, 1/4-20 .....                                       | 2    |
| 22   | 13103GT  | ALARM,97DB ELECTRONIC .....                                     | 1    |
| 23   | 6606GT   | SCREW,RHM,10-32 X .75 .....                                     | 2    |
| 24   | 6178GT   | NUT, NYLOCK, 10-32 .....                                        | 2    |
| 25   | 44586GT  | SENSOR,LEVEL 4.5*** .....                                       | 1    |
| 26   | 6090GT   | SCREW, HHC, 1/4-20 X .75 .....                                  | 2    |
| 27   | 6091GT   | NUT, NYLOCK, 1/4-20 .....                                       | 2    |
| 28   | 6090GT   | SCREW, HHC, 1/4-20 X .75 .....                                  | 3    |

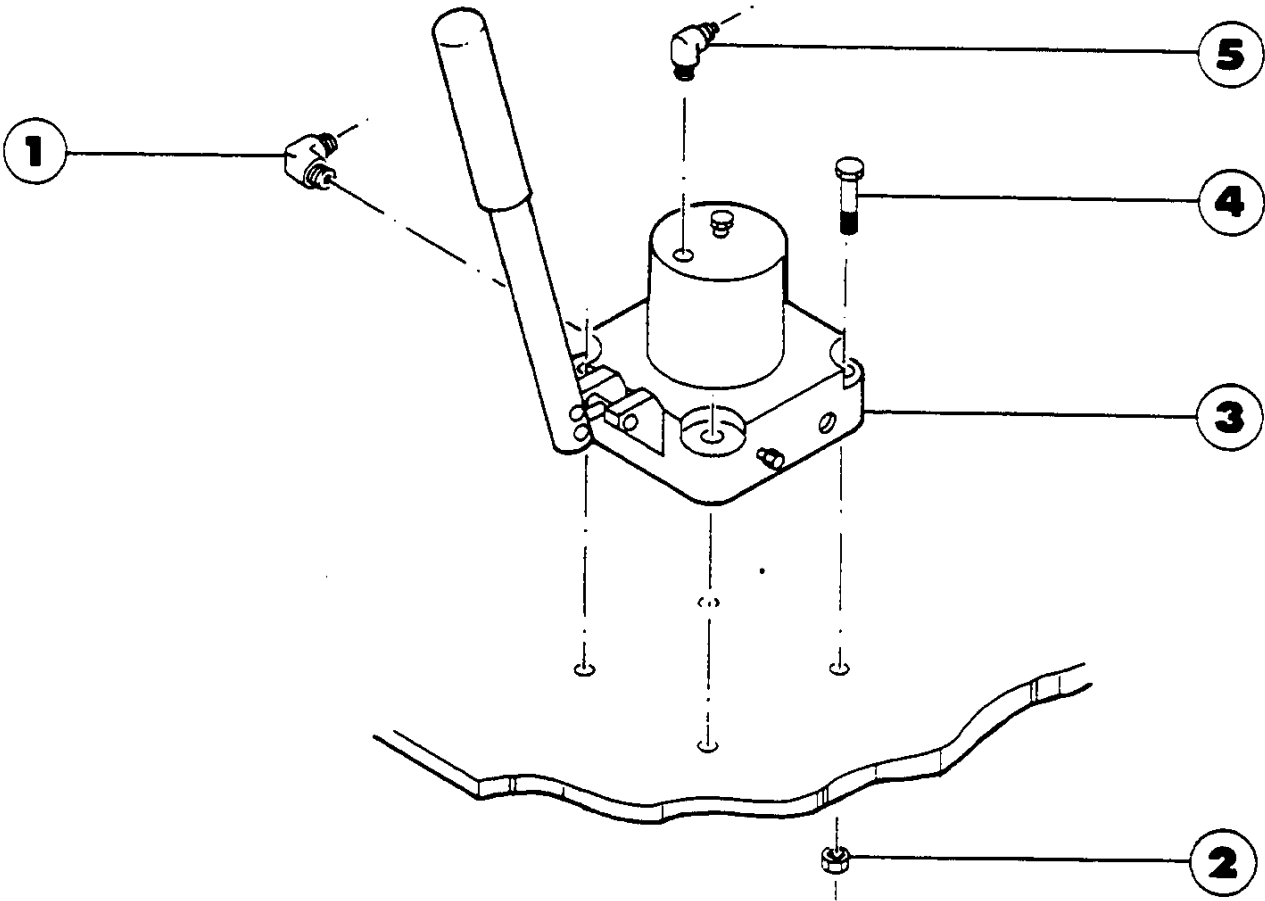
302.1 Turntable Installation



## 302.1 Turntable Installation

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                        | <i>Qty.</i> |
|-------------|-----------------|-----------------------------------------------------------|-------------|
| 29          | 6356GT          | WASHER, LOCK, .25 .....                                   | 3           |
| 30          | 13572GT         | Lower Control Box<br>refer to section 307.1 .....         | 1           |
| 31          |                 | Hydraulic Filter Assembly<br>refer to section 308.1 ..... | 1           |
| 32          | 77692GT         | SCREW, HHC, 3/8-16 X 1 GRD 8 .....                        | 2           |
| 33          | 4828GT          | NUT, NYLOCK, 3/8-16 .....                                 | 2           |
| 34          | 4828GT          | NUT, NYLOCK, 3/8-16 .....                                 | 2           |
| 35          | 6097GT          | WASHER, FLAT, USS, 3/8", Y .....                          | 2           |
| 36          | 6175GT          | SCREW, HHC, 3/8-16 X 1 .....                              | 2           |
| 37          | 13007GT         | Hydraulic Power Unit<br>refer to section 309.1 .....      | 1           |
| 38          | 6994GT          | NIPPLE, GALV., 3/8 X 2.5 .....                            | 1           |
| 39          | 6995GT          | COUPLER, GALV. ....                                       | 1           |
| 40A         | 6950GT          | BREATHING CAP, ALUMINUM PRODUCT .....                     | 1           |
| 40B         | 13007-14GT      | BREATHING CAP W/DIPSTICK .....                            |             |
| 41          | 13121GT         | ELBOW, 071502-6-6 .....                                   | 1           |
| 42          | 10356GT         | ELBOW, 070202-6-6 .....                                   | 1           |
| 43          | 6600GT          | INSTRUCT. TUBE W/CAPS-1.75 X 12 .....                     | 1           |
| 44          | 6653GT          | CLAMP, 1.88, #30 X 1/4, RUB CUSH .....                    | 2           |
| 45          | 6271GT          | RIVET, STL, STL.MAN, P., .25 X .25 .....                  | 2           |
| 46          | 13221GT         | SWITCH ASSY, LIMIT, SPEED .....                           | 1           |
| 46-         | 88356-127J5GT   | SWITCH, LIMIT, W/6.25" SPRING ARM .....                   | 1           |
| 47          | 6179GT          | SCREW, RHM, 10-32 X 1.25 .....                            | 2           |
| 48          |                 | TURNTABLE GEARBOX ASSY** .....                            | 1           |
| 49          | 13115GT         | ELBOW, 070202-4-8 .....                                   | 2           |

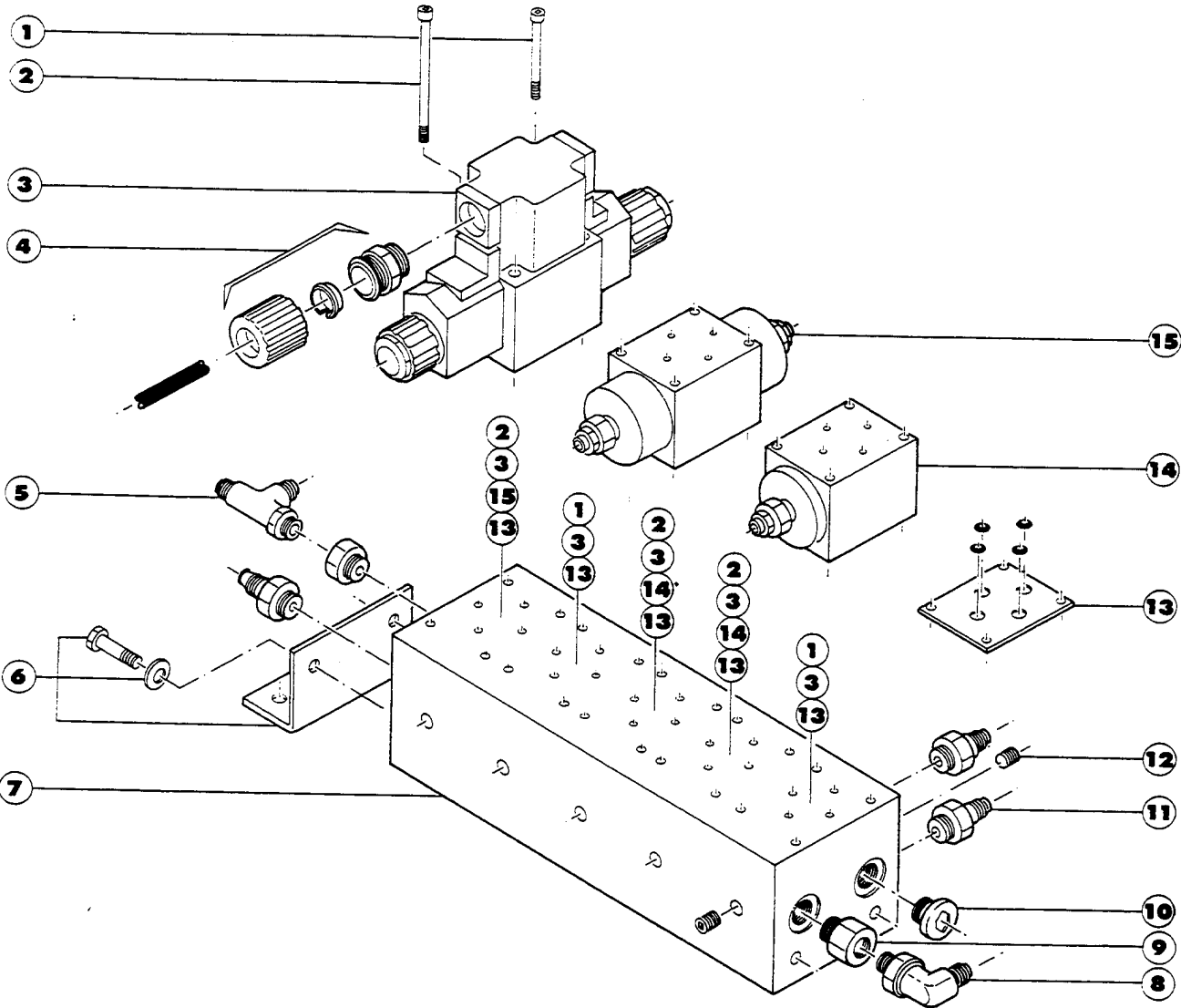
303.1 Hand Pump Assembly



## 303.1 Hand Pump Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                       | <i>Qty.</i> |
|-------------|-----------------|----------------------------------------------------------|-------------|
| 1           | 13120GT         | ELBOW,070220-6-6 .....                                   | 1           |
| 2           | 6091GT          | NUT, NYLOCK, 1/4-20 .....                                | 4           |
| 3           |                 | HAND PUMP (45653)<br>component no longer available ..... | 1           |
| 3-          | 19187GT         | SEAL KIT (45497 & 45653 PUMPS) .....                     | 1           |
| 3-          | 15935GT         | DECAL,HAND PUMP OPER.(6-25-86) .....                     | 1           |
| 4           | 8179GT          | SCREW,HHC,1/4-20 X 2.25 .....                            | 4           |
| 5           | 6647GT          | ELBOW,070202-4-4 .....                                   | 1           |

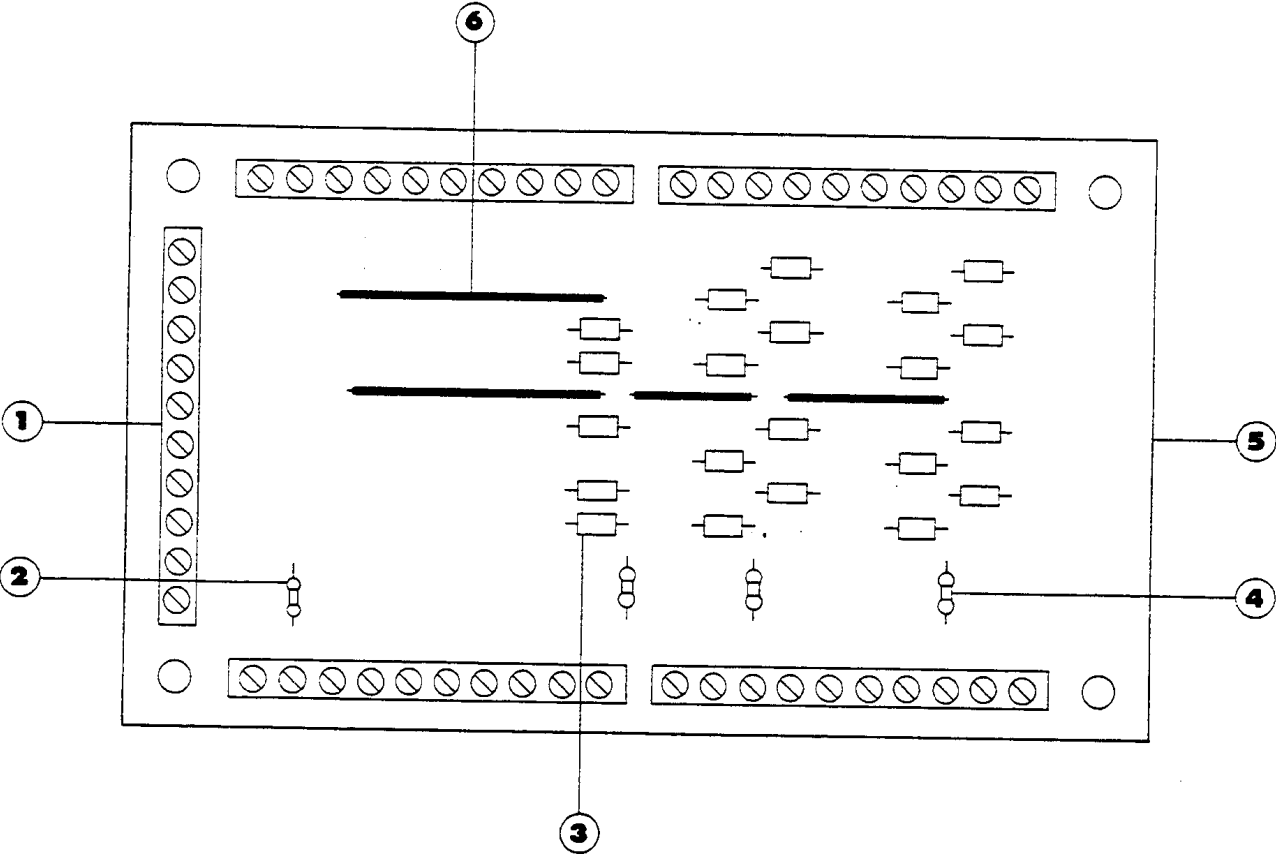
304.1 Hydraulic Valve Manifold Assembly (to SN 3086-822)



## 304.1 Hydraulic Valve Manifold Assembly (to SN 3086-822)

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                               | <i>Qty.</i> |
|-------------|-----------------|------------------------------------------------------------------|-------------|
| 1           |                 | 10-24 X 1.75 SOC HD CAP SCREW .....                              | 8           |
| 2           | 13497GT         | SCREW,SHC,10-24 X 3.75 .....                                     | 12          |
| 3           | 146164GT        | VALVE KIT,D03<br>(replaced PN 13111) (includes four bolts) ..... | 5           |
| 4           | 7056GT          | CONN, SQZ, 1/2NPT, 0.38-0.50,SM .....                            | 5           |
| 5           | 13119GT         | TEE,RUN,070428-6-6 .....                                         | 1           |
| 6           | 33681GT         | SCREW,HHC,3/8-16 X .625 .....                                    | 4           |
| 6           | 6021GT          | WASHER,LOCK,.375 .....                                           | 4           |
| 7           | 21306GT         | MANIFOLD-HYDRAULIC .....                                         | 1           |
|             |                 | Includes Item #6                                                 |             |
| 8           | 13120GT         | ELBOW,070220-6-6 .....                                           | 1           |
| 9           | 13123GT         | REDUCER,STR.THREAD,1/2-3/8 .....                                 | 2           |
| 10          |                 | PLUG,MALE,090109B-8 .....                                        | 1           |
|             |                 | (no longer available)                                            |             |
| 11          | 13112GT         | CONNECTOR,070120-8-4 .....                                       | 10          |
| 12          |                 | Plug<br>Included w/No. 7 .....                                   | 10          |
| 13          |                 | Gasket w/"O" Rings<br>Included with No. 14 & 15 .....            | 5           |
| 14          | 13470GT         | VALVE,RELIEF,(SINGLE) .....                                      | 2           |
| 15          | 13107GT         | VALVE,RELIEF,CROSS PORT (DUAL) .....                             | 1           |
|             |                 | (used for swing function)                                        |             |

305.1 Printed Circuit Board Assembly

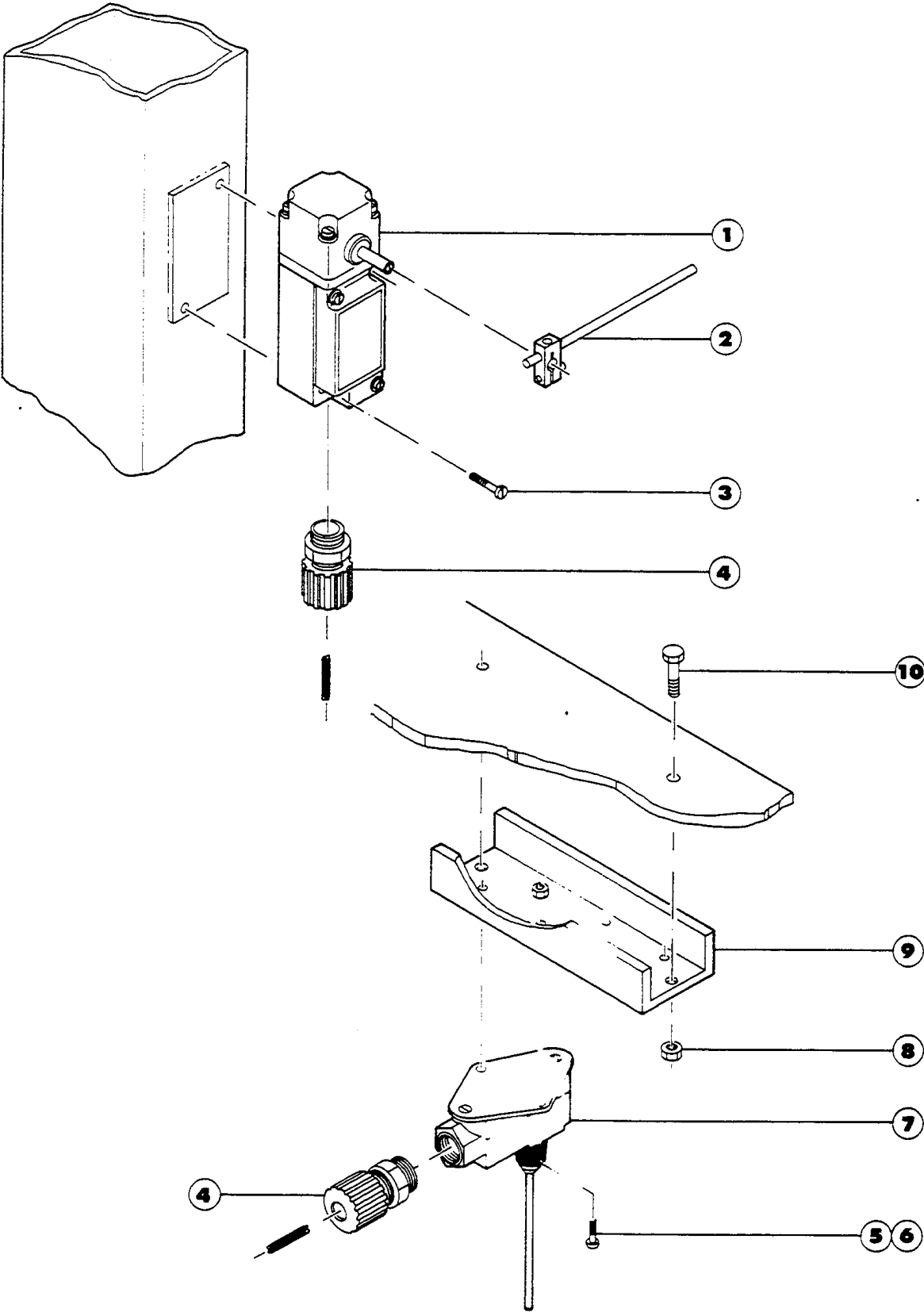




305.1 Printed Circuit Board Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                          | <i>Qty.</i> |
|-------------|-----------------|-------------------------------------------------------------|-------------|
| 1           |                 | Terminal Strip - 10 Pole<br>(component no longer available) | 5           |
| 2           | 13100GT         | RESISTOR,3.3K OHM,.25W                                      | 1           |
| 3           | 1296499GT       | DIODE, 3AMP, 200V                                           | 21          |
| 4           | 13084GT         | RESISTOR,10 OHM, 1/2 WATT CF                                | 3           |
| 5A          | 13211GT         | PCB,ASSY,500 LB ONLY**                                      | 1           |
| 5B          |                 | PCB,ASSY,300 LB ONLY<br>(component no longer available)     | 1           |

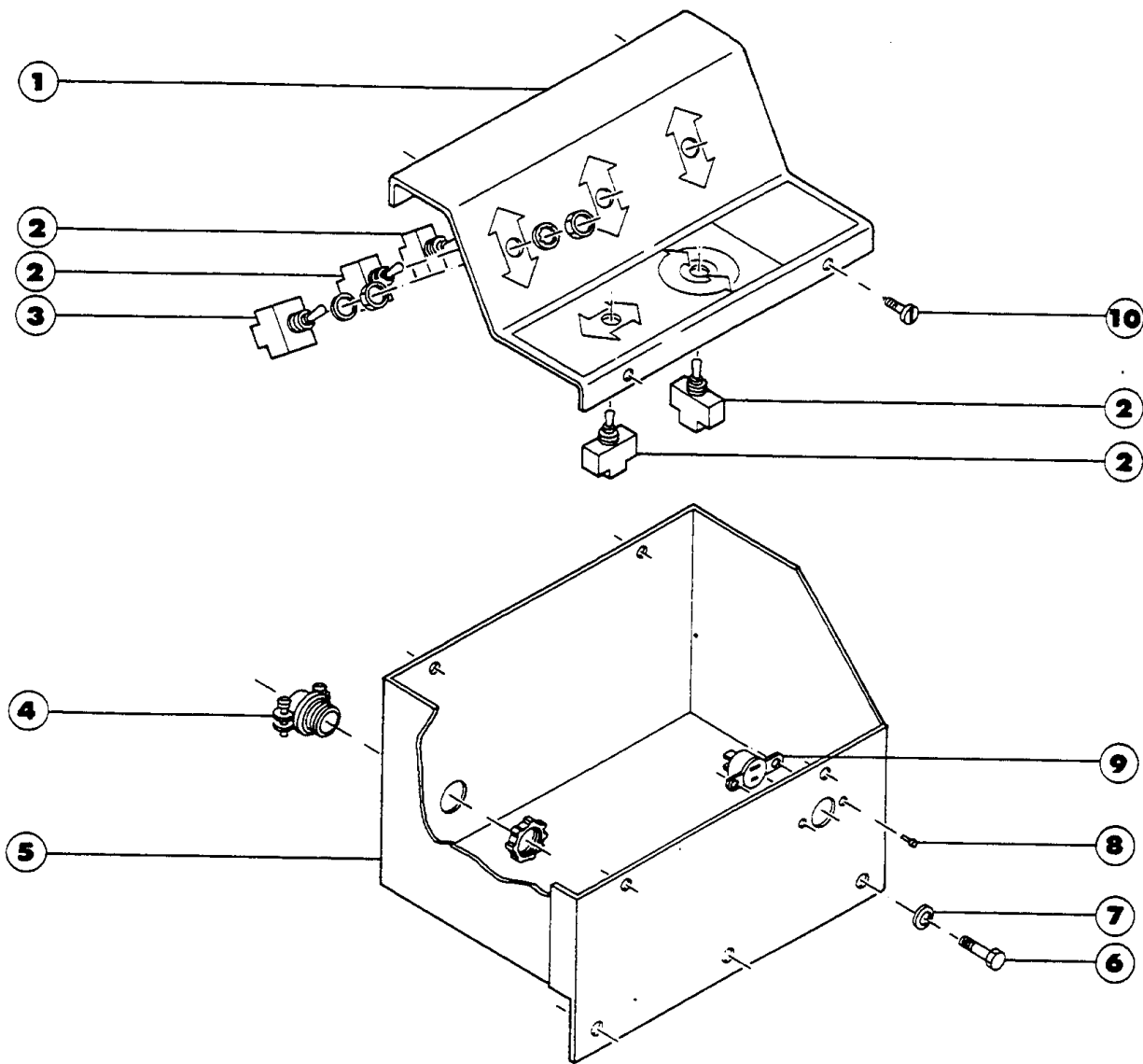
306.1 Rotation & Speed Limit Switch Assemblies



## 306.1 Rotation &amp; Speed Limit Switch Assemblies

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                    | <i>Qty.</i> |
|-------------|-----------------|---------------------------------------|-------------|
| 1           | 88356-127J5GT   | SWITCH,LIMIT,W/6.25"SPRING ARM .....  | 1           |
| 2           | 13095GT         | ACTUATOR ARM-SPEED LIMIT SWITCH ..... | 1           |
| 3           | 6179GT          | SCREW,RHM,10-32 X 1.25 .....          | 2           |
| 4           | 7056GT          | CONN, SQZ, 1/2NPT, 0.38-0.50,SM ..... | 2           |
| 5           | 12348GT         | SCREW,RHM,6-32 X .75 .....            | 4           |
| 6           | 12344GT         | NUT,NYLOCK,6-32 .....                 | 4           |
| 7           | 13092GT         | SWITCH,LIMIT,ROTATION .....           | 2           |
| 8           | 6091GT          | NUT, NYLOCK, 1/4-20 .....             | 2           |
| 9           | 13430GT         | SWITCH MOUNT .....                    | 1           |
| 10          | 6637GT          | SCREW,HHC,1/4-20 X 1.75 .....         | 2           |

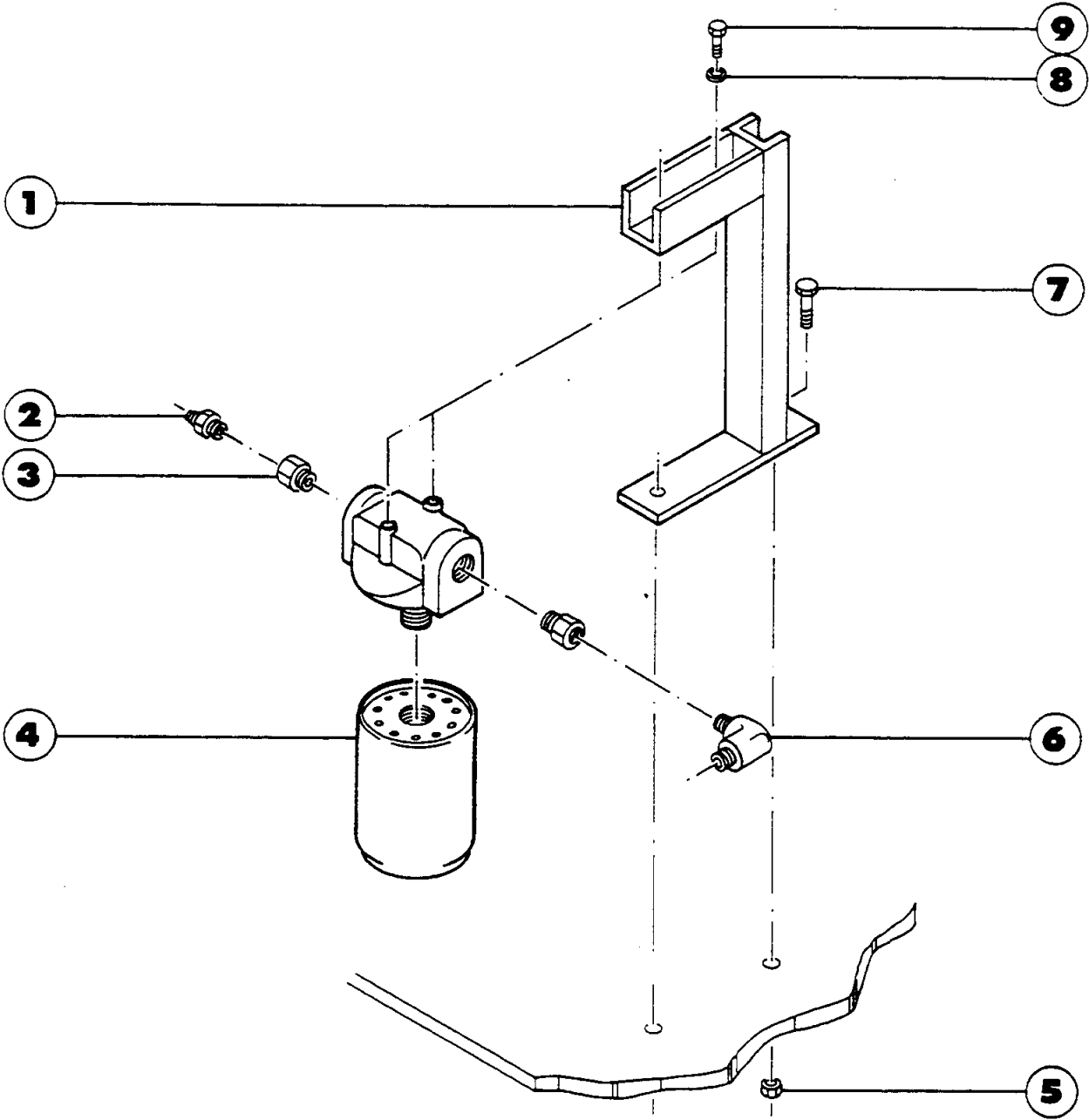
307.1 Lower Control Box Assembly



## 307.1 Lower Control Box Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                                                 | <i>Qty.</i> |
|-------------|-----------------|------------------------------------------------------------------------------------|-------------|
|             | 16063GT         | DECAL,TURRET ROT.(TURN) 500LB .....                                                |             |
|             | 13930GT         | SWITCH ASSY,REMOTE BRAKE REL. ....                                                 |             |
|             | 13861GT         | SWITCH,SPST,REMO.BRAKE RELEASE .....                                               |             |
|             | 13512GT         | PLUG(1450G2) .....                                                                 |             |
| 1           | 12893GT         | TURN.CONTR.BOX COVER-W/DECALS .....                                                | 1           |
| 1-          | 12444GT         | DECAL,PUMP ON"-(TURNTABLE) .....                                                   |             |
| 1-          | 12445GT         | DECAL"TURRET ROT." (TURNTABLE) .....                                               |             |
| 2           | 13037-SGT       | SWITCH,TOGGLE,SPDT,3POS MOMEN* .....                                               | 4           |
| 3           | 13480-SGT       | SWITCH,TOGGLE,DPDT,2POS MOMEN .....                                                | 1           |
| 4           | 6622GT          | GROUND CONNECTOR,1/2" .....                                                        | 1           |
| 5           |                 | CONTROL BOX,GROUND,30/20<br>(no longer available - contact customer service) ..... | 1           |
| 6           | 6090GT          | SCREW, HHC, 1/4-20 X .75 .....                                                     | 3           |
| 7           | 6356GT          | WASHER,LOCK,.25 .....                                                              | 3           |
| 8           | 8920GT          | RIVET,ALUM,ALUM,P,.156 X .375 .....                                                | 2           |
| 9           | 13511GT         | RECEPTICAL,SNAP-IN (1450G1)*** .....                                               | 1           |
| 10          | 12346GT         | 10 X .5 FLT TS SCREW .....                                                         | 4           |

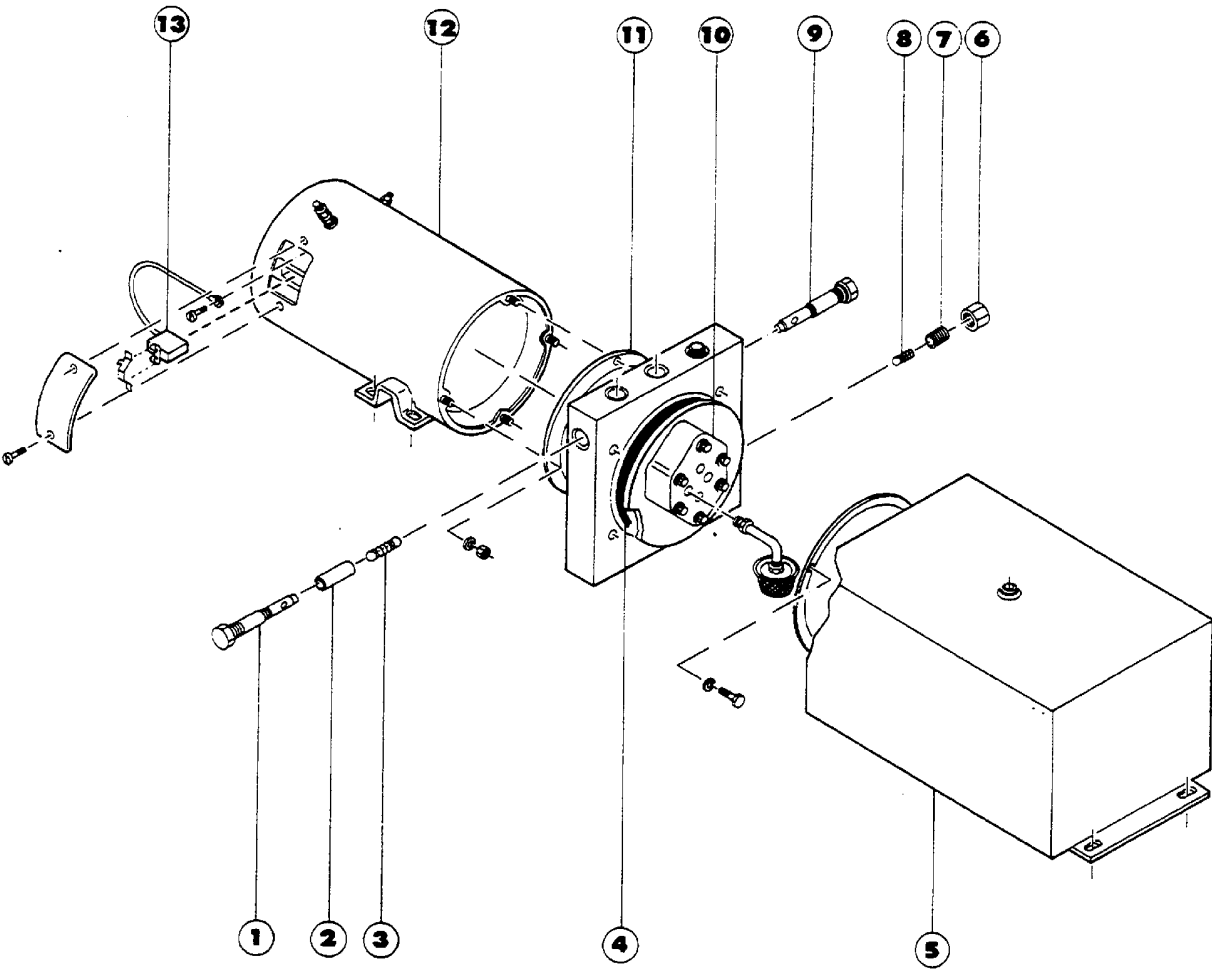
308.1 Hydraulic Filter Assembly



## 308.1 Hydraulic Filter Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                                                                       | <i>Qty.</i> |
|-------------|-----------------|----------------------------------------------------------------------------------------------------------|-------------|
| 1           | 13422GT         | FILTER BRACKET WELDMENT .....                                                                            | 1           |
| 2           | 10355GT         | CONNECTOR,070102-6-6 .....                                                                               | 1           |
| 3           | 13117GT         | BUSHING,140140-12-6 .....                                                                                | 2           |
| 4A          | 13108GT         | FILTER--RETURN LINE<br>(assembly includes filter head and filter; filter not available separately) ..... | 1           |
| 4B-         | 44788GT         | FILTER ELEMENT-10MICRON, PAPER*<br>(filter used on some filter assembly; also try 52627) .....           |             |
| 4C          | 21138GT         | FILTER ASSY .75"NPT**<br>(some machines might have used this filter assembly) .....                      |             |
| 4C-         | 45087GT         | FILTER-RETURN 10 MICRON** .....                                                                          | 1           |
| 5           | 4828GT          | NUT,NYLOCK,3/8-16 .....                                                                                  | 2           |
| 6           | 10356GT         | ELBOW,070202-6-6 .....                                                                                   | 1           |
| 7           | 77692GT         | SCREW,HHC,3/8-16 X 1 GRD 8 .....                                                                         | 2           |
| 8           | 6356GT          | WASHER,LOCK,.25 .....                                                                                    | 2           |
| 9           | 6090GT          | SCREW, HHC, 1/4-20 X .75 .....                                                                           | 2           |

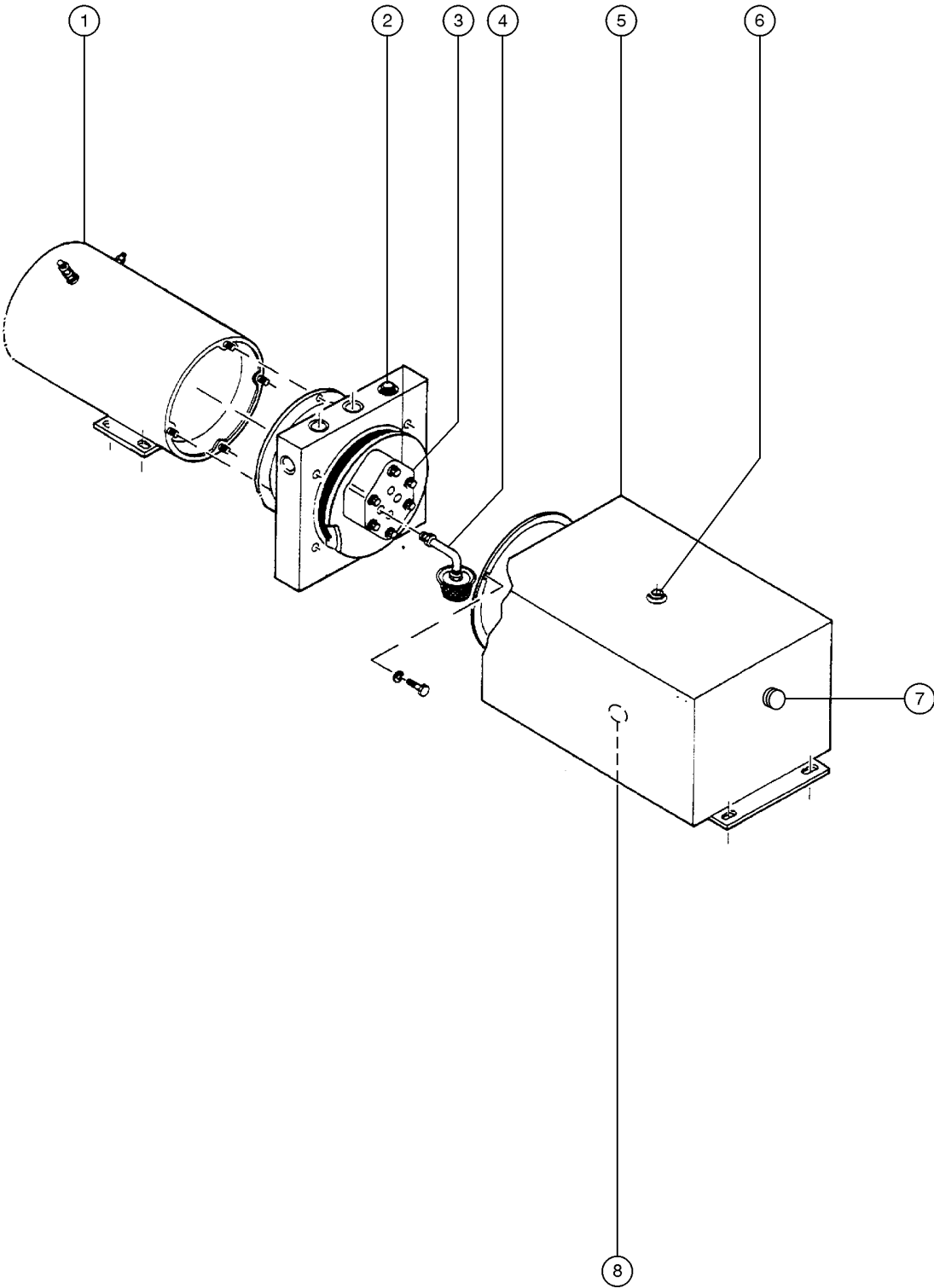
309.1 Hydraulic Power Unit Assembly





| Item | Part No.   | Description                                                                                              | Qty. |
|------|------------|----------------------------------------------------------------------------------------------------------|------|
|      |            | Ref., HYDRAULIC POWER UNIT - FENNER STONE<br>(component no longer available. Refer to 309.2 for upgrade) |      |
| 1    | 13007-1GT  | VALVE,CHECK-BOOM HY.PWR.UNIT                                                                             |      |
| 2    | 13007-2GT  | SPRING RETAIN-BOOM HY.PWR.UNIT                                                                           |      |
| 3    | 8747GT     | SPRING & BALL (CHECK) STONE,DC                                                                           |      |
| 4    | 13998-3GT  | SEAL-HIGH PRESSURE PORT                                                                                  |      |
| 5    |            | RESERVOIR<br>(component no longer available)                                                             |      |
| 5-   | 6974GT     | PLUG,PIPE,STL,SQ HEAD,3/8***                                                                             |      |
| 5-   | 6950GT     | BREATHING CAP, ALUMINUM PRODUCT                                                                          |      |
| 5-   | 13007-14GT | BREATHING CAP W/DIPSTICK                                                                                 |      |
| 5-   | 17649GT    | 10-32 X .75 TORX HD.BOLT GR.5<br>(reservoir mount)                                                       |      |
| 5-   | 15513GT    | NUT,HEX,10-32<br>(reservoir mount)                                                                       |      |
| 6    | 72321GT    | RELIEF VALVE KIT**<br>(includes items 7-8)                                                               |      |
| 7    |            | ADJUSTING SCREW<br>(included with PN 72321GT)                                                            |      |
| 8    |            | SPRING AND BALL - RELIEF<br>(included with PN 72321GT)                                                   |      |
| 9    | 8721GT     | CHECK CAP ASSEMBLY, STONE                                                                                |      |
| 10   | 17560GT    | PUMP KIT-DB1005,06<br>(includes mounting fasteners; order 17993GT shaft seal separately)                 |      |
| 10-  | 17993GT    | SEAL, PUMP SHAFT                                                                                         |      |
| 11   |            | MANIFOLD AND ADAPTER<br>(component no longer available)                                                  |      |
| 11-  | 23618GT    | COUPLER,MTR.,DU-1007 (13998)**                                                                           |      |
| 11-  | 16660GT    | VALVE,RELIEF, RV14, DC STONE**                                                                           |      |
| 11-  | 16661GT    | VALVE,RELIEF, RV16, DC STONE                                                                             |      |
| 12   |            | MOTOR<br>(component no longer available)                                                                 |      |
| 13   | 13998-2GT  | BRUSH & HOLDER 13998-1 MOTOR*                                                                            |      |

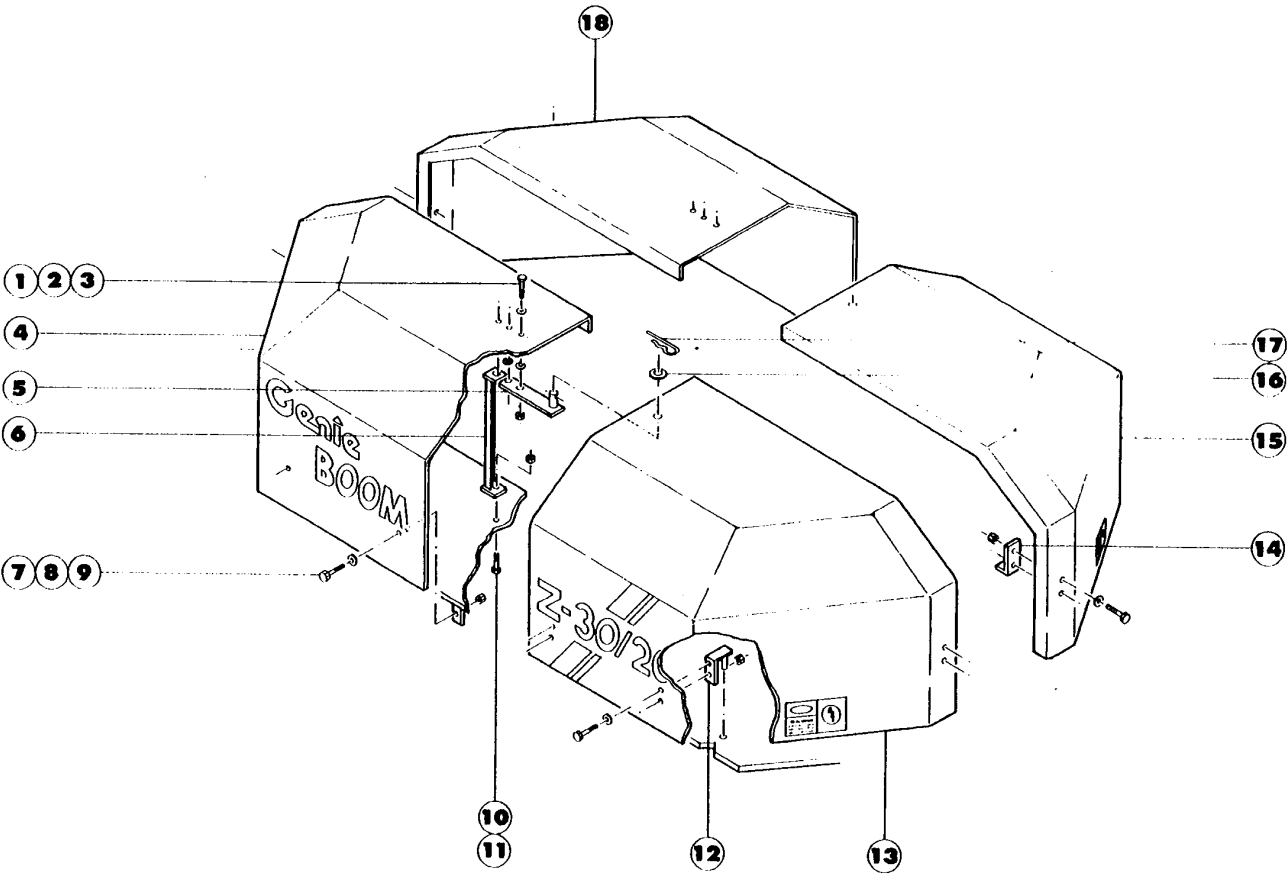
309.2 Hydraulic Power Unit (Replacement)



## 309.2 Hydraulic Power Unit (Replacement)

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                         | <i>Qty.</i> |
|-------------|-----------------|------------------------------------------------------------|-------------|
|             | 40186GT         | POWER UNIT,FUNCTION,36VDC*** .....<br>(Monarch Power Unit) |             |
| 1           | 65780GT         | MOTOR 36VDC (40186) ..... 1                                | 1           |
| 1-          | 46241GT         | BRUSH KIT,MONARCH, (4 PIECES) ..... 1                      | 1           |
| 2           | 46239GT         | VALVE,RELIEF KIT,MONARCH 42401 ..... 1                     | 1           |
| 2-          | 38155GT         | VALVE-CHECK KIT ..... 1                                    |             |
| 3           | 44794GT         | PUMP,MONARCH (36447,36178)*** ..... 1                      | 1           |
| 3-          | 40401GT         | SEAL,MOTOR ..... 1                                         | 1           |
| 3-          | 40318GT         | SEAL,O-RING,PUMP*** ..... 1                                | 1           |
| 4A          | 52307GT         | TUBE - SUCTION, PWR UNIT, TMZ ..... 1                      | 1           |
| 4B          | 38160GT         | FILTER,PICK-UP SCREEN*** ..... 1                           | 1           |
| 5           | 46234GT         | RESERVOIR,MONARCH,42401,Z30STD ..... 1                     | 1           |
| 5-          | 17649GT         | 10-32 X .75 TORX HD.BOLT GR.5 .....<br>(reservoir mount)   |             |
| 5-          | 15513GT         | NUT,HEX,10-32 .....<br>(reservoir mount)                   |             |
| 6           | 44796GT         | BREATHING CAP,MONARCH ..... 1                              | 1           |
| 7           | 38161GT         | GAUGE-SIGHT ..... 1                                        | 1           |
| 8           | 46246GT         | PLUG,DRAIN,MONARCH,42401,42403 ..... 1                     | 1           |

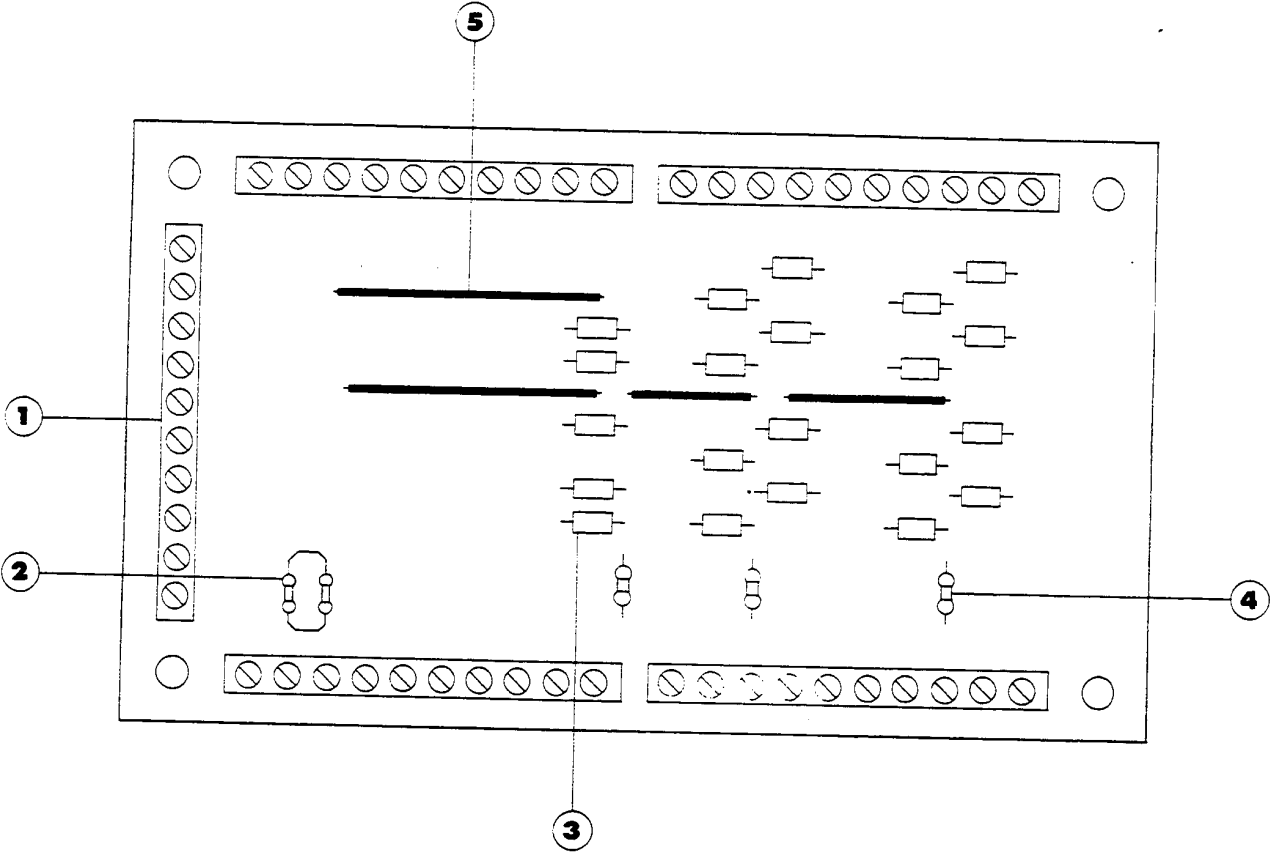
310.1 Turntable Cover Assembly



## 310.1 Turntable Cover Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                                                                         | <i>Qty.</i> |
|-------------|-----------------|------------------------------------------------------------------------------------------------------------|-------------|
| 1           | 6888GT          | SCREW,HHC,1/4-20 X 1 .....                                                                                 | 4           |
| 2           | 6638GT          | WASHER, FLAT, USS, 1/4"Y .....                                                                             | 8           |
| 3           | 6091GT          | NUT, NYLOCK, 1/4-20 .....                                                                                  | 4           |
| 4           |                 | COVER ASSY "FIBERGLASS",RR Z30 12883<br>(component no longer available) (right rear / non-steer end) ..... | 1           |
| 5           | 13508GT         | COVER HOLD DOWN WELDMENT .....                                                                             | 2           |
| 6           | 13481GT         | TURNTABLE COVER SUPPORT WELDMT .....                                                                       | 2           |
| 7           | 6888GT          | SCREW,HHC,1/4-20 X 1 .....                                                                                 | 20          |
| 8           | 6638GT          | WASHER, FLAT, USS, 1/4"Y .....                                                                             | 20          |
| 9           | 6091GT          | NUT, NYLOCK, 1/4-20 .....                                                                                  | 20          |
| 10          | 6888GT          | SCREW,HHC,1/4-20 X 1 .....                                                                                 | 4           |
| 11          | 6091GT          | NUT, NYLOCK, 1/4-20 .....                                                                                  | 4           |
| 12          | 13507GT         | COVER LOCATOR WELDMENT .....                                                                               | 4           |
| 13          | 12884GT         | COVER ASSY FIBERGLASS RF Z30 .....                                                                         | 1           |
|             |                 | (right front / steer end)                                                                                  |             |
| 14          | 13509GT         | ANGLE-COVER LOCATR(3 HOLES)-1" .....                                                                       | 2           |
| 15          |                 | COVER ASSY, FIBERGLASS--L.F. 12885 .....                                                                   | 1           |
|             |                 | (component no longer available) (left front / steer end)                                                   |             |
| 16          | 6095GT          | WASHER,FLAT,USS,1/2",Y .....                                                                               | 2           |
| 17          | 12875GT         | CLIP,HAIR PIN .125 X 3.25 .....                                                                            | 2           |
| 18          | 12886GT         | COVER ASSY,FIBERGLASS,L REAR .....                                                                         | 1           |
|             |                 | (left rear / non-steer end)                                                                                |             |

311.1 HD Turntable Printed Circuit Board Assembly

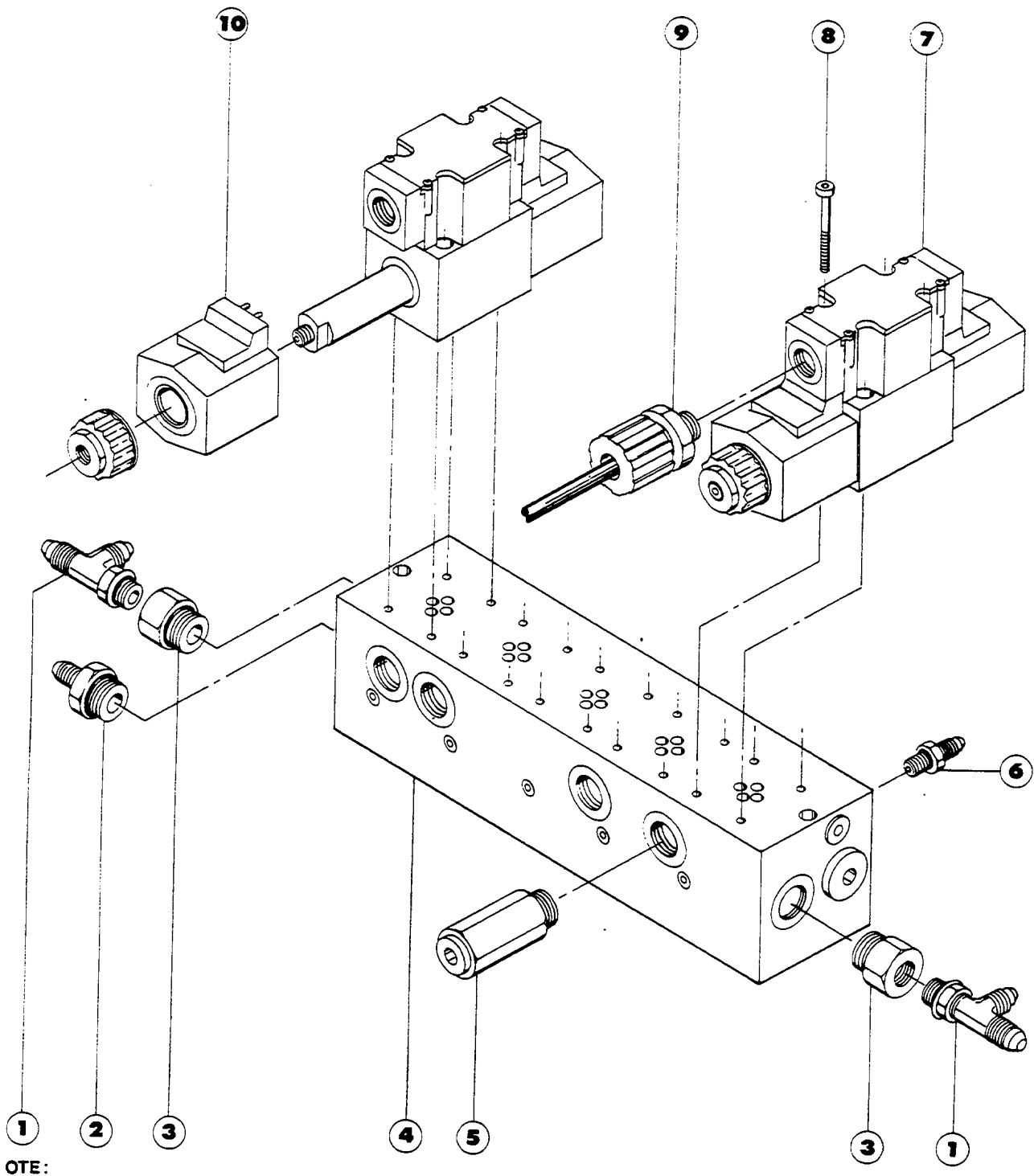


311.1 HD Turntable Printed Circuit Board Assembly

| Item | Part No.  | Description                                                 | Qty. |
|------|-----------|-------------------------------------------------------------|------|
|      |           | PCB,ASSY,500 LB ONLY**<br>(component no longer available)   | 1    |
| 1    | 13099GT   | Terminal Strip - 10 Pole<br>(component no longer available) | 5    |
| 2    | 13100GT   | RESISTOR,3.3K OHM,.25W                                      | 2    |
| 3    | 1296499GT | DIODE, 3AMP, 200V                                           | 21   |
| 4    | 13084GT   | RESISTOR,10 OHM, 1/2 WATT CF                                | 3    |
| 5    |           | Wire - 16 Gauge                                             | 1    |



312.1 Valve Block Assembly (from SN 3086-823)

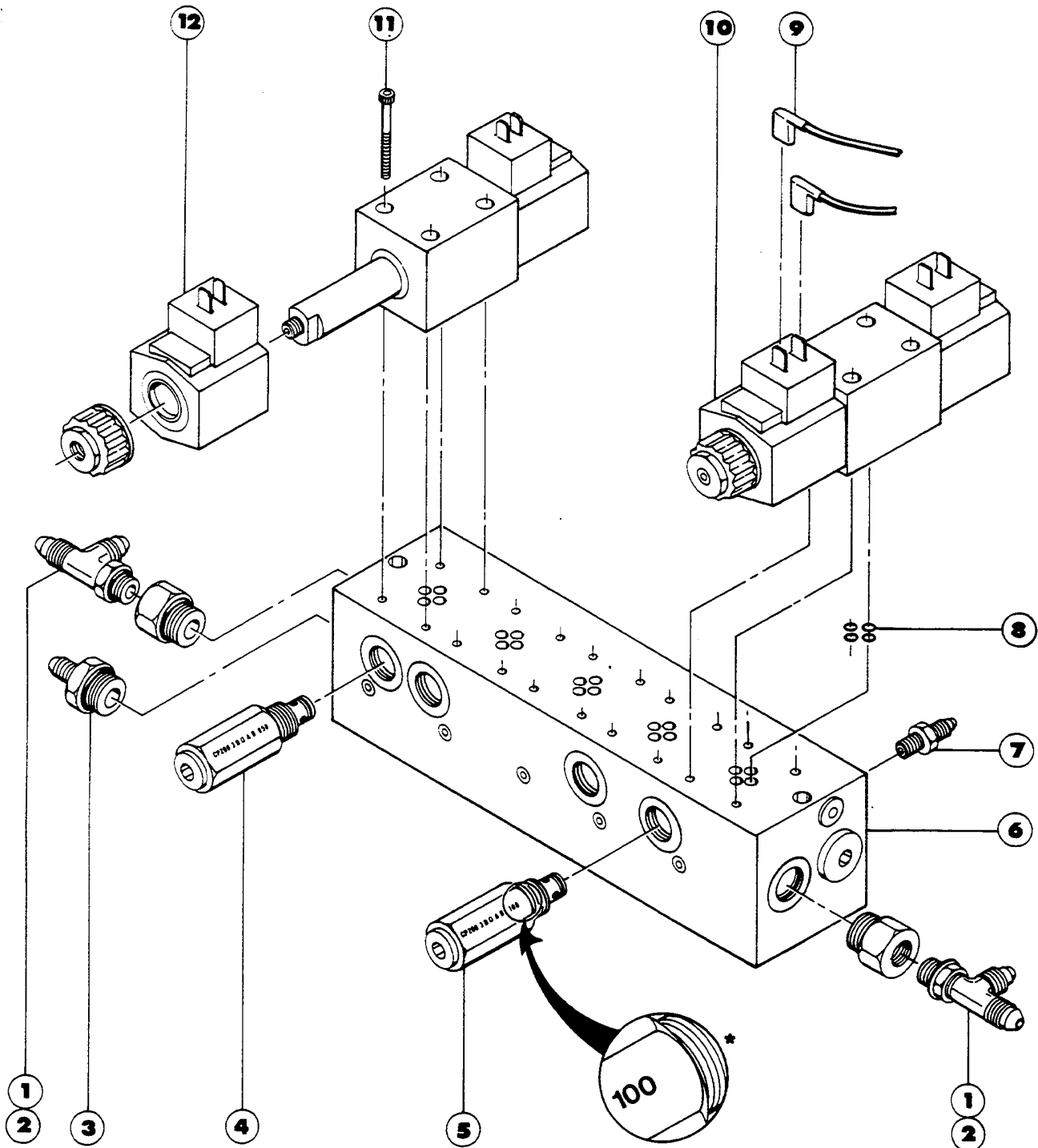




## 312.1 Valve Block Assembly (from SN 3086-823)

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                     | <i>Qty.</i> |
|-------------|-----------------|----------------------------------------|-------------|
|             | 13222GT         | HYD.CONTROL VALVE 5 STATION .....      |             |
|             |                 | (does not include items 1, 2, 3 and 6) |             |
| 1           | 13119GT         | TEE,RUN,070428-6-6 .....               | 2           |
| 2           | 13112GT         | CONNECTOR,070120-8-4 .....             | 1           |
| 3           | 13123GT         | REDUCER,STR.THREAD,1/2-3/8 .....       | 2           |
| 4           |                 | Manifold-5 Station .....               | 1           |
|             |                 | (component no longer available)        |             |
| 5A          | 13222-2GT       | VALVE,RELIEF 1000 PSI .....            | 4           |
| 5B          | 16907-1GT       | VALVE,RELIEF FOR 16907 BLOCK .....     |             |
| 6           | 13755GT         | CONNECTOR,070120-4-4 .....             | 10          |
| 7           | 146164GT        | VALVE KIT,D03 .....                    | 5           |
| 8           |                 | 10-24 X 1.75 SOC HD CAP SCREW .....    | 20          |
|             |                 | (included with PN 146164GT)            |             |
| 9           | 7056GT          | CONN, SQZ, 1/2NPT, 0.38-0.50,SM .....  | 5           |
| 10          |                 | SOLENOID COIL,4 WAY 3 POS .....        | 10          |
|             |                 | (included with PN 146164GT)            |             |

## 312.2 Valve Block Assembly (from November 1986)

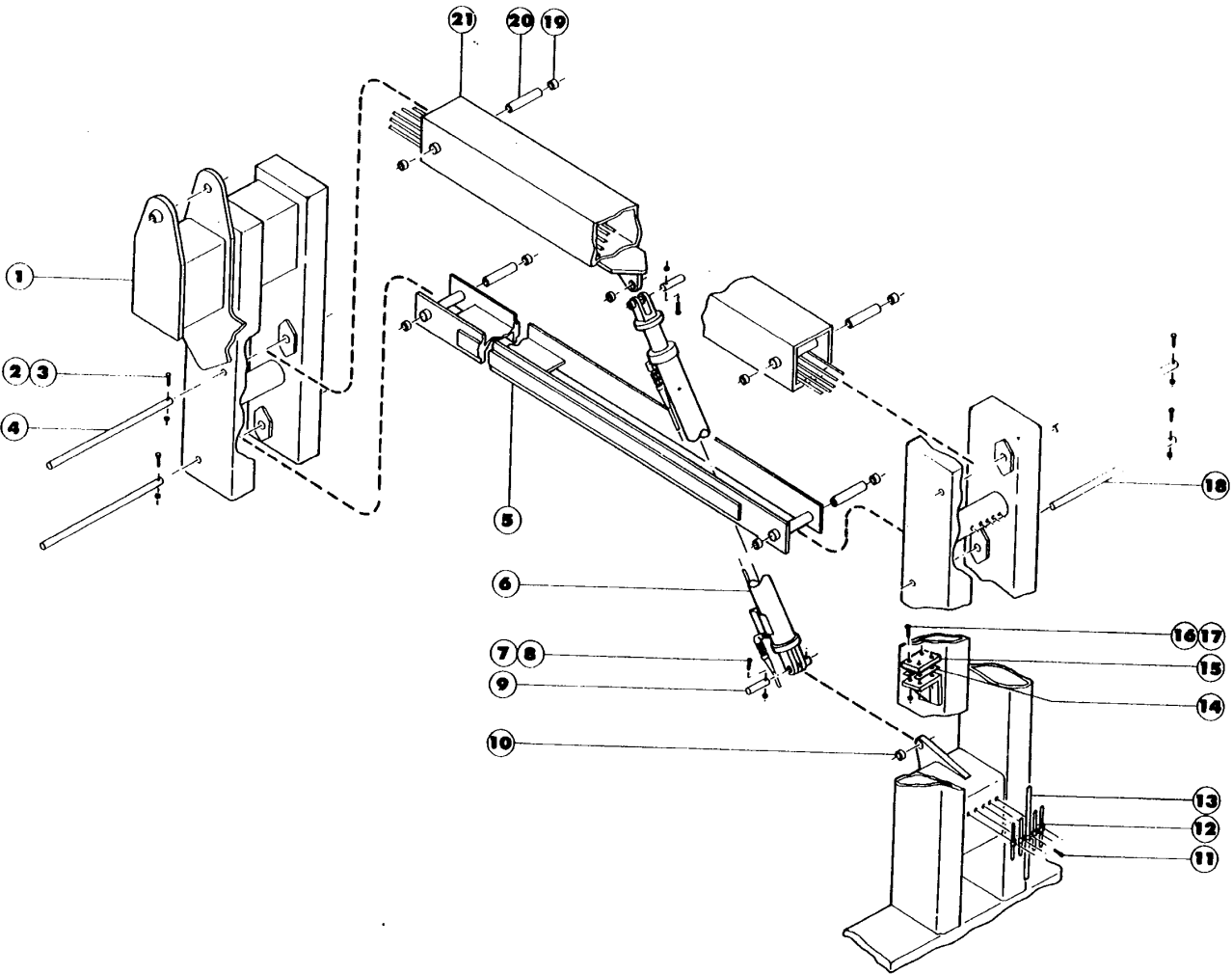


\*Last three digits stamped in relief valve case will distinguish pressure setting as follows: "100"=1000 PSI, "050"=500 PSI.

## 312.2 Valve Block Assembly (from November 1986)

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                        | <i>Qty.</i> |
|-------------|-----------------|-------------------------------------------|-------------|
|             | 13222GT         | HYD.CONTROL VALVE 5 STATION .....         |             |
|             |                 | (does not include items 1, 2, 3, 7 and 8) |             |
| 1           | 13119GT         | TEE,RUN,070428-6-6 .....                  | 2           |
| 2           | 13112GT         | CONNECTOR,070120-8-4 .....                | 1           |
| 3           | 13123GT         | REDUCER,STR.THREAD,1/2-3/8 .....          | 2           |
| 4           | 13222-4GT       | VALVE,RELIEF 500 PSI .....                | 2           |
| 5           | 13222-2GT       | VALVE,RELIEF 1000 PSI .....               | 2           |
| 6           |                 | Manifold-5 Station .....                  | 1           |
|             |                 | (component no longer available)           |             |
| 7           | 13755GT         | CONNECTOR,070120-4-4 .....                | 10          |
| 8           |                 | O-RING; .5" OD x .063" THK .....          | 20          |
|             |                 | (included with PN 146164)                 |             |
| 9           | 6832GT          | TERMINAL,FLAG.90 DEG.BLUE .....           | 20          |
| 10          | 146164GT        | VALVE KIT,D03 .....                       | 5           |
| 11          |                 | 10-24 X 1.75 SOC HD CAP SCREW .....       | 20          |
|             |                 | (included with PN 146164GT)               |             |
| 12A         | 223763GT        | COIL WITH DE CONNECTOR .....              | 10          |
|             |                 | (coil for PN 146164GT)                    |             |
| 12B         | 45915GT         | COIL,DO1,20VDC .....                      |             |
| 12B-        | 45914GT         | O-RING, DO1 VALVE .....                   |             |

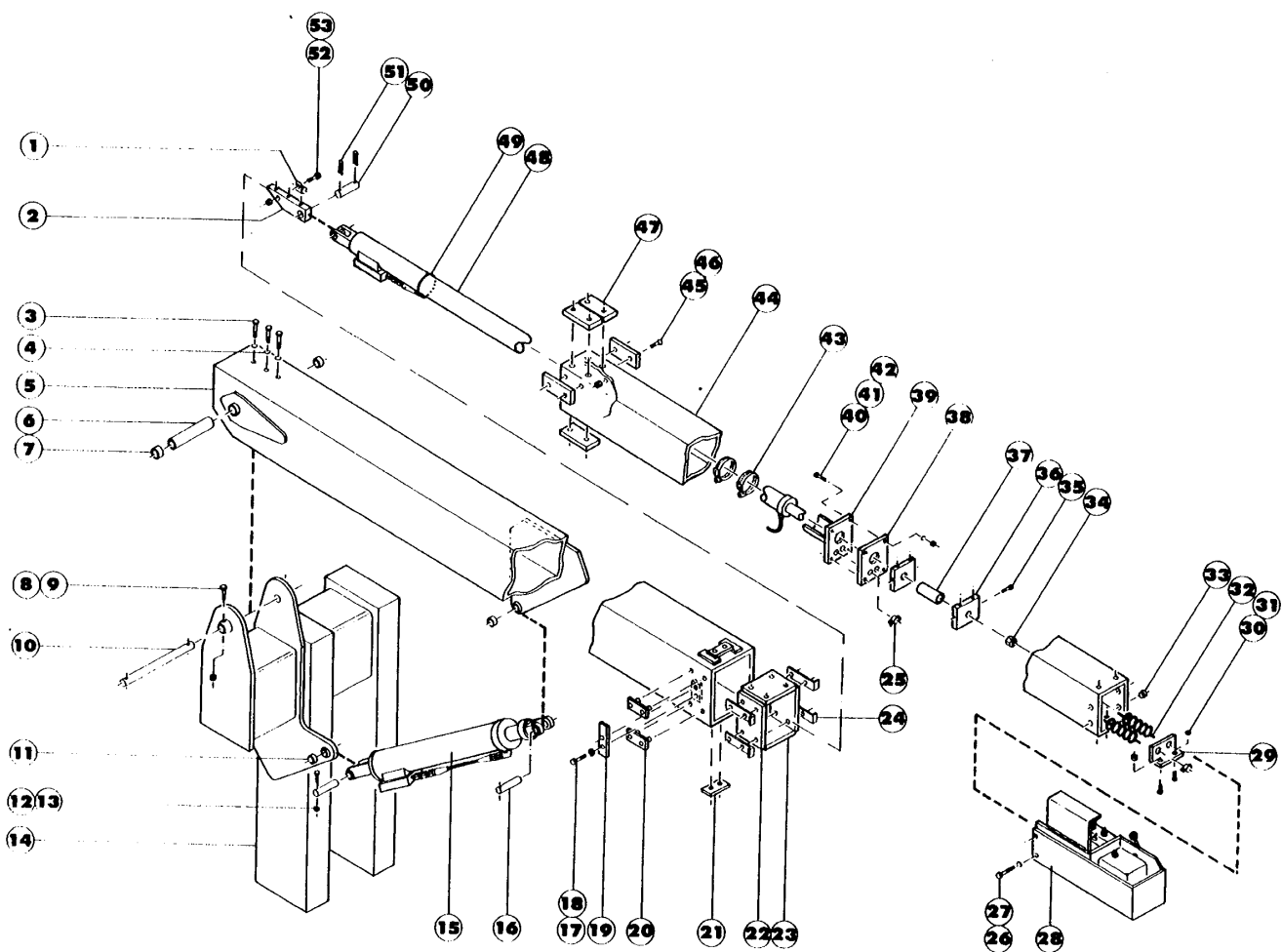
401.1 Secondary Boom Installation



## 401.1 Secondary Boom Installation

| Item | Part No.   | Description                                                                                         | Qty.           |
|------|------------|-----------------------------------------------------------------------------------------------------|----------------|
|      | 19802GT    | RETRO KIT,CABL TRAC Z30,300#**<br>(will allow hoses/cables to be routed on the outside of the boom) | 1              |
| 1    |            | RISER ASSEMBLY,30/20<br>no longer available.(contact customer seervice)                             | 1              |
| 2    | 5224GT     | SCREW,HHC,3/8-16 X 2                                                                                | 4              |
| 3    | 4828GT     | NUT,NYLOCK,3/8-16                                                                                   | 4              |
| 4    | 13317GT    | PIN,BOOM RISER PIVOT-15.625"                                                                        | 2              |
| 5    |            | LINK--(BORED)<br>(no longer available)                                                              | 1              |
| 6    | 13233GT    | Boom Lifting Cylinder<br>(refer to section 403.1)                                                   | 1              |
| 7    | 5224GT     | SCREW,HHC,3/8-16 X 2                                                                                | 2              |
| 8    | 4828GT     | NUT,NYLOCK,3/8-16                                                                                   | 2              |
| 9    | 13319GT    | PIN,CYLINDER MOUNT,4"                                                                               | 2              |
| 10   | 13012GT    | BUSHING, 1.5 X 1.25 X 1,OILITE                                                                      | 2              |
| 11   | 6271GT     | RIVET,STL,STL.MAN,P,.25 X .25                                                                       | 20             |
| 12   | 6833GT     | CLAMP,0.50,#8 X 1/4,RUB CUSH                                                                        | 15             |
| 13   | 13268GT    | CLAMP, 0.75, #12 X 1/4, RUB CUSH                                                                    | 5              |
| 14   | 13413GT    | SHIM,PRIMARY BOOM SLIDE BLOCK                                                                       | As<br>N<br>ec. |
| 15   | 13496GT    | BOOM REST PAD (.5 MATL)---4"                                                                        | As<br>N<br>ec. |
| 16   | 9266GT     | SCREW,FHM,3/8-16 X 1                                                                                | 4              |
| 17   | 4828GT     | NUT,NYLOCK,3/8-16                                                                                   | 4              |
| 18   | 13391GT    | PIN,BOOM PIV.TURN.RISE-13.75"                                                                       | 2              |
| 19   | 13009GT    | BEARING,1.25IDX1.50ODX1.50L                                                                         | 8              |
| 20   | 1569-387GT | TUBE,RD,STL 1.44 X .065                                                                             | 4              |
| 21   | 23482GT    | ASSY.,SECONDARY BOOM,Z30/20                                                                         | 1              |

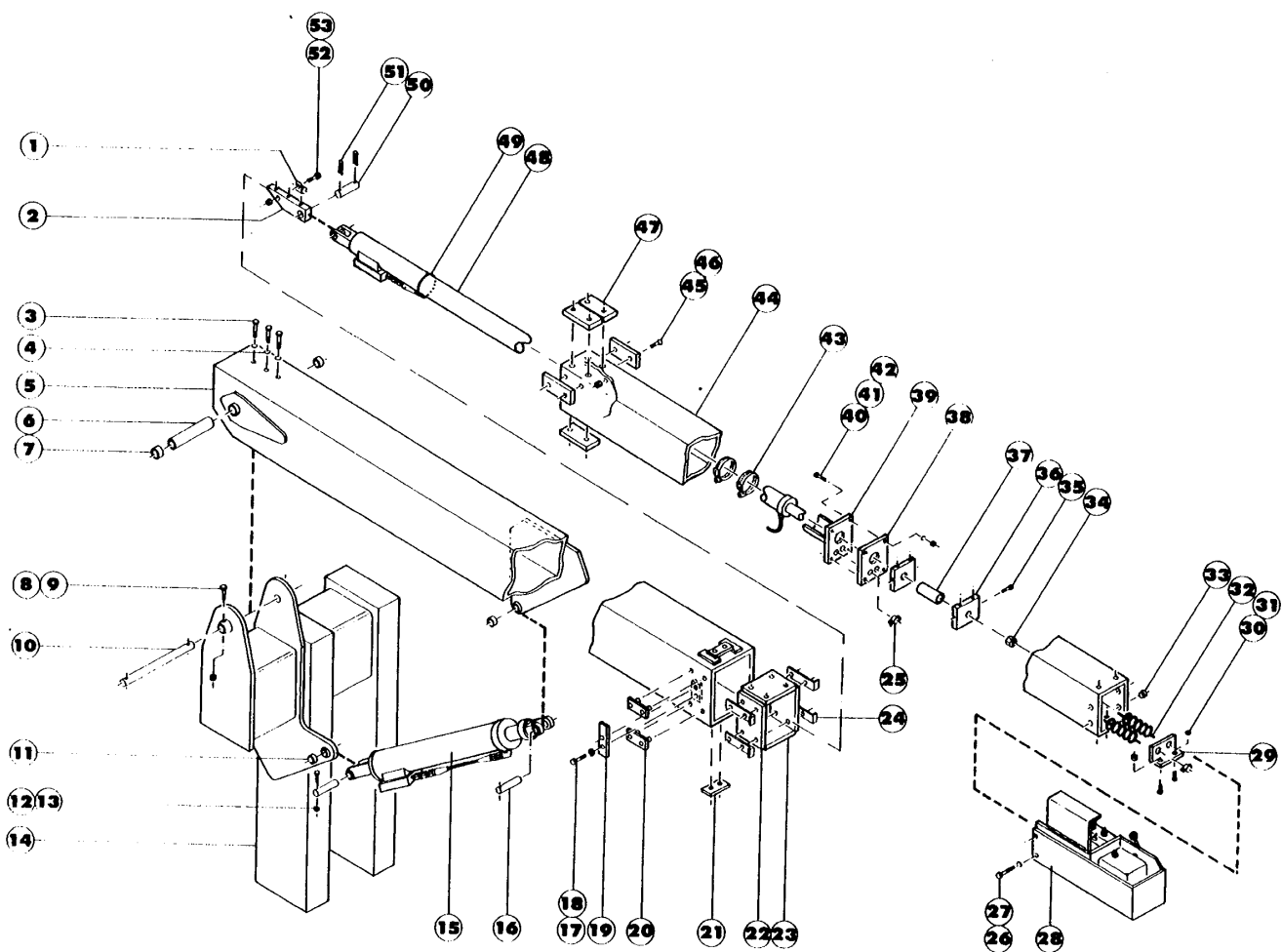
402.1 Primary Boom Installation



## 402.1 Primary Boom Installation

| Item | Part No. | Description                                                                            | Qty.           |
|------|----------|----------------------------------------------------------------------------------------|----------------|
| 1    | 13268GT  | CLAMP, 0.75, #12 X 1/4, RUB CUSH .....                                                 | 1              |
| 2    | 13408GT  | LUG-EXTENSION CYLINDER .....                                                           | 1              |
| 3    | 77692GT  | SCREW,HHC,3/8-16 X 1 GRD 8 .....                                                       | 3              |
| 4    | 6021GT   | WASHER,LOCK,.375 .....                                                                 | 3              |
| 5A   | 13486GT  | PRIMARY BOOM--(BORED)-300LB .....                                                      | 1              |
| 5B   | 13814GT  | PRI.BOOM TUBE ASSY-500 LB***<br>(must provide model/serial number when ordering) ..... |                |
| 6    | 13444GT  | Pivot Spacer<br>(must provide model/serial number when ordering) .....                 | 1              |
| 7    | 13009GT  | BEARING,1.25IDX1.50ODX1.50L .....                                                      | 2              |
| 8    | 5224GT   | SCREW,HHC,3/8-16 X 2 .....                                                             | 2              |
| 9    | 4828GT   | NUT,NYLOCK,3/8-16 .....                                                                | 2              |
| 10   | 13318GT  | PIN-PRIMARY BOOM PIVOT-11.375" .....                                                   | 1              |
| 11   | 13012GT  | BUSHING, 1.5 X 1.25 X 1,OILITE .....                                                   | 2              |
| 12   | 5224GT   | SCREW,HHC,3/8-16 X 2 .....                                                             | 2              |
| 13   | 4828GT   | NUT,NYLOCK,3/8-16 .....                                                                | 2              |
| 14   |          | Boom Riser<br>(component no longer available) .....                                    | 1              |
| 15   |          | Boom Lifting Cylinder<br>(refer to section 403.1) .....                                | 1              |
| 16   | 13319GT  | PIN,CYLINDER MOUNT,4" .....                                                            | 2              |
| 17   | 6090GT   | SCREW, HHC, 1/4-20 X .75 .....                                                         | 8              |
| 18   | 6356GT   | WASHER,LOCK,.25 .....                                                                  | 8              |
| 19   |          | PLATE-RET.,TAP BLOCK(LG)-5.25"<br>(component no longer available) .....                | 2              |
| 20   | 13353GT  | WELDMENT-RETAINER PLATE .....                                                          | 8              |
| 21   | 13450GT  | PLATE-RETAIN.,TAP BLOCK(SM)-3" .....                                                   | 2              |
| 22   | 13352GT  | SLIDE BLOCK-PRIMARY EXT.-6.375 .....                                                   | 2              |
| 23   | 13351GT  | SLIDE BLOCK-PRIMARY EXTEN.--5" .....                                                   | 2              |
| 24   | 13413GT  | SHIM,PRIMARY BOOM SLIDE BLOCK .....                                                    | As<br>N<br>ec. |
| 25   | 6622GT   | GROUND CONNECTOR,1/2" .....                                                            | 4              |
| 26   | 94195GT  | SCREW,HHC,3/8-16 X .75,GR 8 .....                                                      | 4              |
| 27   | 6021GT   | WASHER,LOCK,.375 .....                                                                 | 4              |

402.1 Primary Boom Installation





## 402.1 Primary Boom Installation

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                                      | <i>Qty.</i> |
|-------------|-----------------|-------------------------------------------------------------------------|-------------|
| 28          |                 | Platform Control Box .....<br>(refer to section 501.1)                  | 1           |
| 29          | 13373GT         | Cable Guide .....                                                       | 1           |
| 30          | 6090GT          | SCREW, HHC, 1/4-20 X .75 .....                                          | 2           |
| 31          | 6091GT          | NUT, NYLOCK, 1/4-20 .....                                               | 2           |
| 32          |                 | Coil Cord Assembly .....<br>(refer to section 605.1)                    | 2           |
| 33          | 11697GT         | NUTSERT, 3/8-16 STEEL CAD PLTD .....                                    | 4           |
| 34          | 13001GT         | NUT, NYLOCK, 5/8-18 .....                                               | 1           |
| 35          | 8514GT          | SCREW, FHS, 1/4-20 X .75 .....                                          | 8           |
| 36          | 13340GT         | PRIMARY CYLINDER MOUNT .....                                            | 2           |
| 37          | 13445GT         | SPACER-PRI.EXT.CYL.MOUNT 5" .....                                       | 1           |
| 38          | 13346GT         | GUIDE-PRI.EXT.CYL.ROD(300#)-6" .....<br>(component no longer available) | 1           |
| 39          | 13996GT         | PRI.EXT.CYL.SUPT.WELDMNT-500LB .....<br>(replaced 13347)                | 1           |
| 40          | 7104GT          | 1/4-20 x 1-1/4" GRD 5 Bolt .....                                        | 4           |
| 41          | 6638GT          | WASHER, FLAT, USS, 1/4"Y .....                                          | 4           |
| 42          | 6091GT          | NUT, NYLOCK, 1/4-20 .....                                               | 4           |
| 43          | 13014GT         | CLAMP, HOSE, 2.25" DIA. ....                                            | 2           |
| 44          | 13729-PROGT     | TUBE-PRI.Boom EXT.500LB.Boom** .....                                    | 1           |
| 45          | 9266GT          | SCREW, FHM, 3/8-16 X 1 .....                                            | 10          |
| 46          | 4828GT          | NUT, NYLOCK, 3/8-16 .....                                               | 10          |
| 47          | 13341GT         | SLIDE BLOCK-PRIMARY Boom---2" .....                                     | 5           |
| 48          | 13590GT         | Ext. Cylinder Assembly .....<br>refer to section 403.1                  | 1           |
| 49          | 28443GT         | CABLE TIE, 11.5" BLACK .....                                            | 6           |
| 50          |                 | PIN-PRIMARY EXT.CYL.MOUNT, 2" .....<br>no longer available              | 1           |
| 51          | 5361GT          | PIN, COTTER, .125 X 1.5 .....                                           | 2           |
| 52          | 6091GT          | NUT, NYLOCK, 1/4-20 .....                                               | 1           |
| 53          | 8915GT          | SCREW, HHC, 1/4-20 X 1.25 .....                                         | 1           |

403.1 Steering, Boom Lifting & Extension Cylinder Assemblies

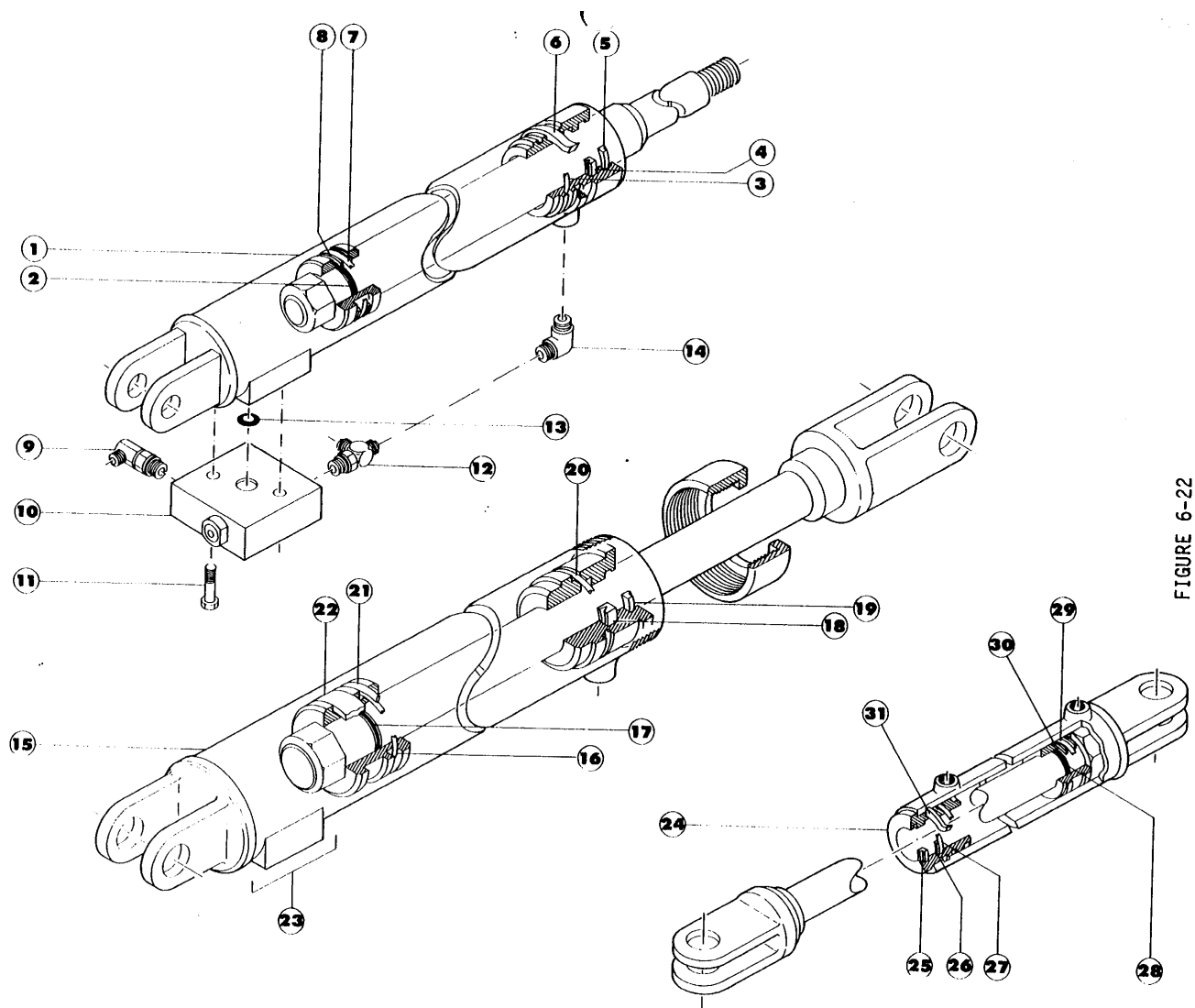


FIGURE 6-22

## 403.1 Steering, Boom Lifting &amp; Extension Cylinder Assemblies

| Item | Part No. | Description                                                         | Qty. |
|------|----------|---------------------------------------------------------------------|------|
| 1    | 13649GT  | CYLINDER, HYD-1.5 X 84 X 114.50 .....                               | 1    |
| 1-   | 49326GT  | SEAL KIT, UNIVERSAL (EXT CYL)**<br>(includes Items 2 - 8) .....     |      |
| 2    |          | Rod Static Seal .....                                               | 1    |
| 3    |          | Gland Static Seal .....                                             | 1    |
| 4    |          | U-Cup, Rod Seal .....                                               | 1    |
| 5    |          | Rod Wiper .....                                                     | 1    |
| 6    |          | Lock Wire .....                                                     | 1    |
| 7    |          | Piston Seal .....                                                   | 1    |
| 8    |          | Back-Up, Piston .....                                               | 2    |
| 9    | 12340GT  | ELBOW, 070220-4-6 .....                                             | 1    |
|      |          | 2501-04-06-FG .....                                                 |      |
| 10   | 13018GT  | VALVE, HOLDING .....                                                | 1    |
|      |          | (seal kits not available) .....                                     |      |
| 11   | 6145GT   | SCREW, HHC, 1/4-20 X 1.5 .....                                      | 2    |
| 12   | 13113GT  | TEE, RUN, 070428-6-4 .....                                          | 1    |
| 13   |          | O-Ring (ARP #110) .....                                             | 1    |
|      |          | (included with PN 13018GT) .....                                    |      |
| 14   | 6647GT   | ELBOW, 070202-4-4 .....                                             | 1    |
| 15   | 13231GT  | CYLINDER WELDMENT-BOOM LIFTING .....                                | 2    |
| 15-  | 49329GT  | SEAL KIT, UNIVERSAL (LIFT CYL)**<br>(Includes Items 16 - 22) .....  |      |
| 16   |          | O-Ring .....                                                        | 1    |
| 17   |          | Rod Static Seal .....                                               | 1    |
| 18   |          | Rod Seal .....                                                      | 1    |
| 19   |          | Rod Wiper .....                                                     | 1    |
| 20   |          | Gland Static Seal .....                                             | 1    |
| 21   |          | Piston Seal .....                                                   | 1    |
| 22   |          | Wear Strip .....                                                    | 1    |
| 23   |          | Consists of Items 9-14 .....                                        | 1    |
| 24   | 13078GT  | CYLINDER, HYD-2 X 6 X 16.25 .....                                   | 1    |
| 24-  | 49328GT  | SEAL KIT, UNIVERSAL (STEER CYL)**<br>(includes Items 25 - 31) ..... |      |
| 25   |          | Rod Wiper .....                                                     | 1    |

403.1 Steering, Boom Lifting & Extension Cylinder Assemblies

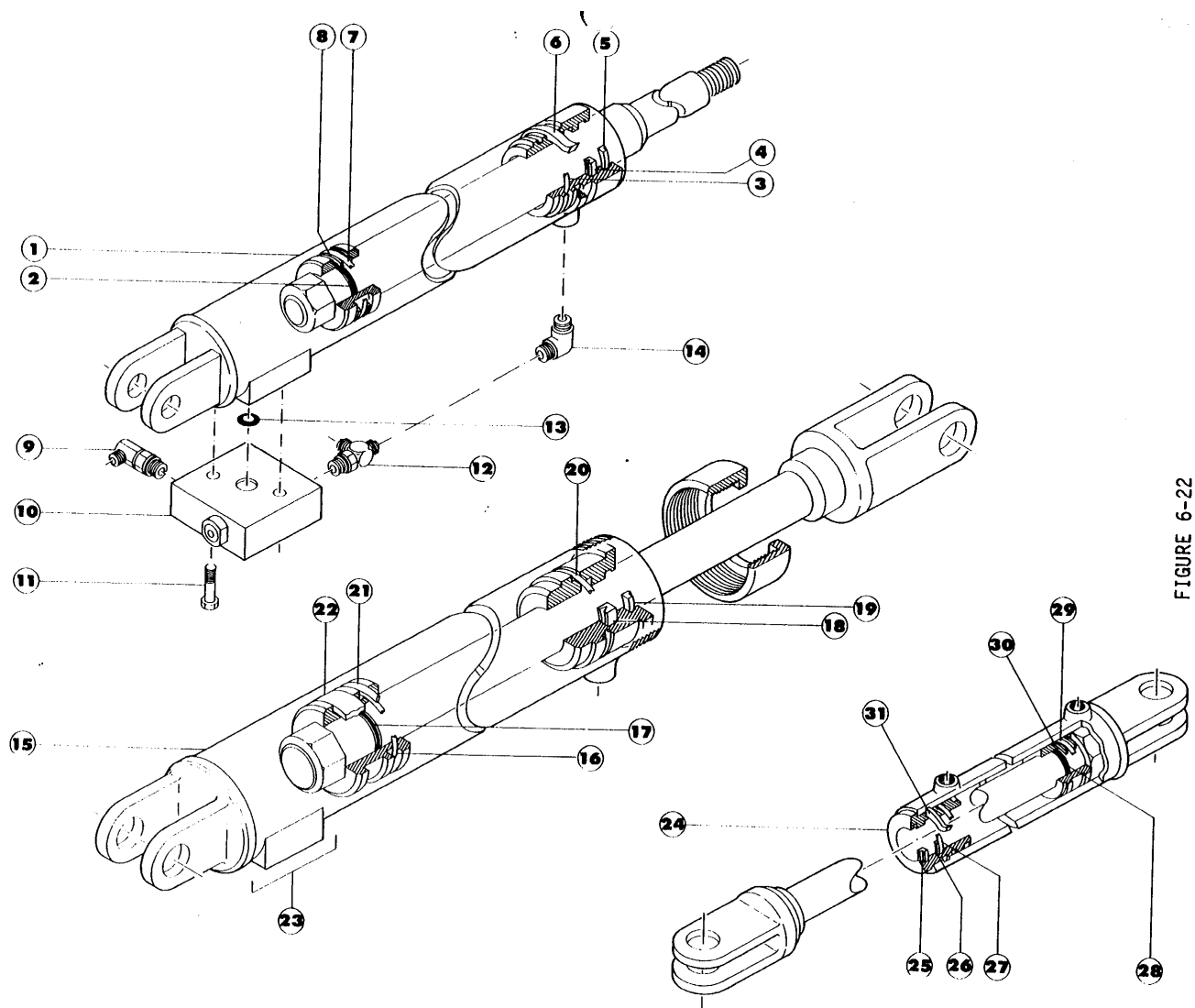


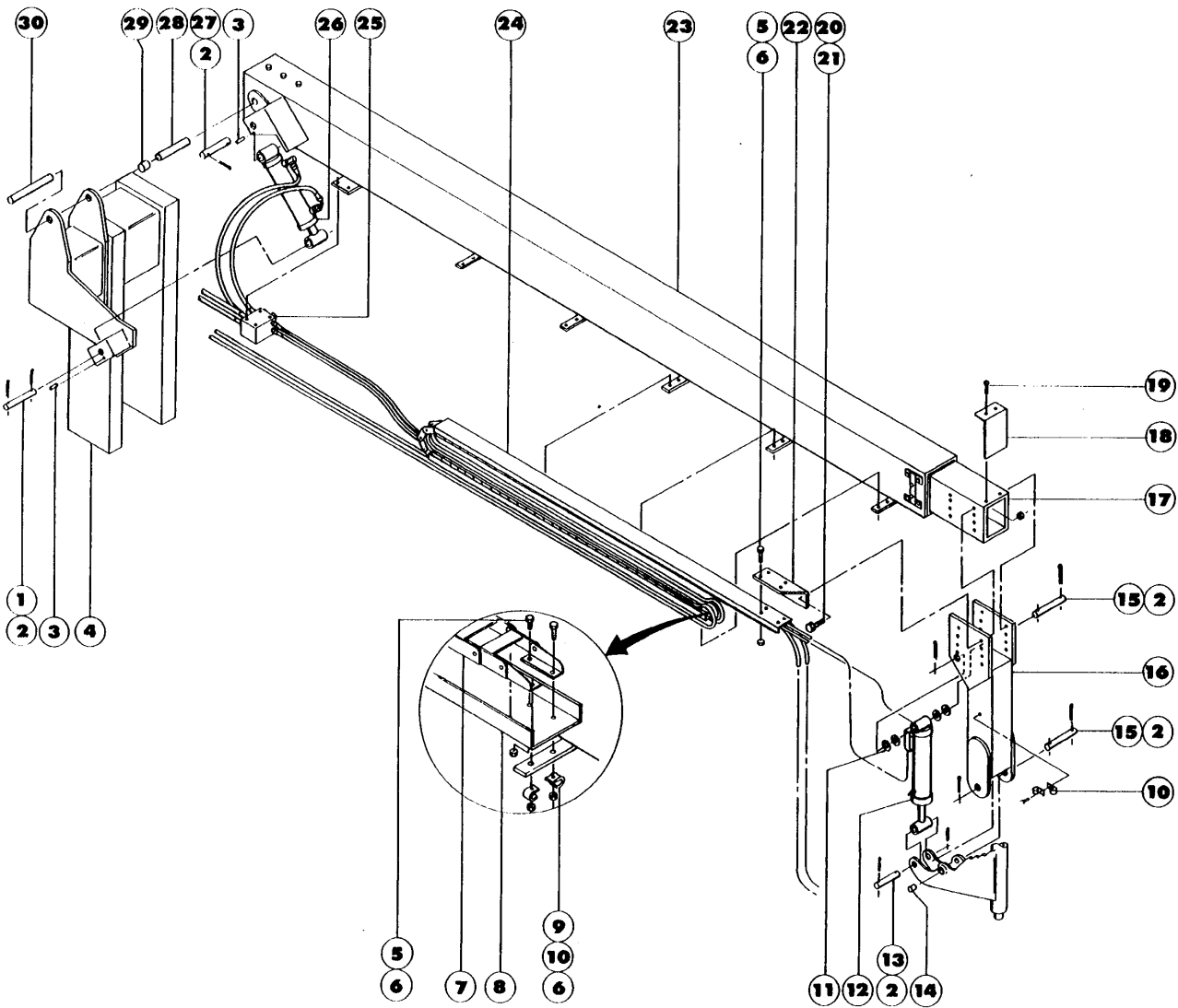
FIGURE 6-22

403.1 Steering, Boom Lifting & Extension Cylinder Assemblies

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>    | <i>Qty.</i> |
|-------------|-----------------|-----------------------|-------------|
| 26          |                 | Back-Up Ring .....    | 1           |
| 27          |                 | Rod Seal .....        | 1           |
| 28          |                 | Rod Static Seal ..... | 1           |
| 29          |                 | Piston Seal .....     | 1           |
| 30          |                 | Back-Up Ring .....    | 2           |
| 31          |                 | Lock Wire .....       | 1           |
| 30          |                 | Back-Up Ring .....    | 2           |
| 31          |                 | Lock Wire .....       | 1           |



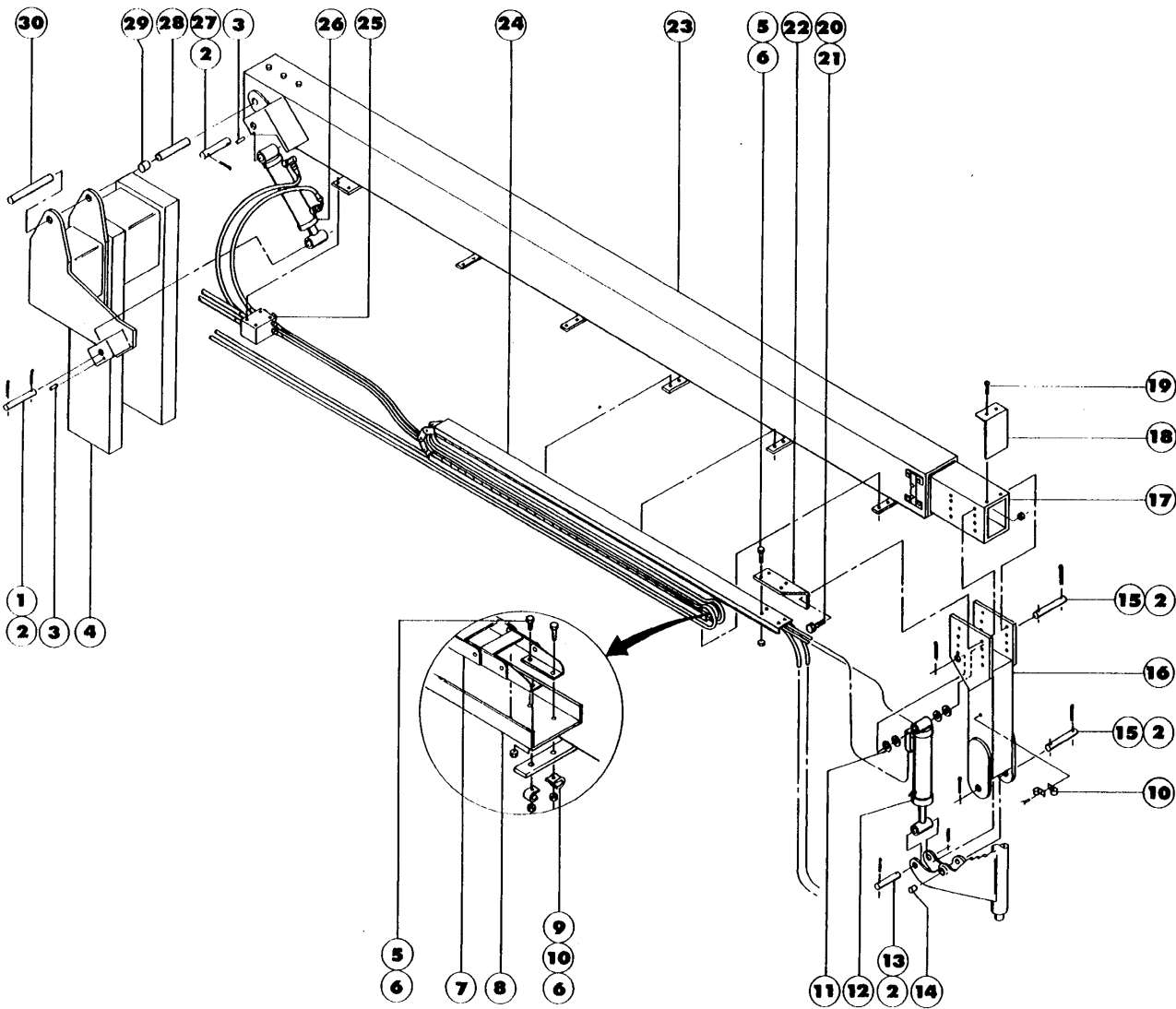
404.1 HD Primary Boom Assembly



## 404.1 HD Primary Boom Assembly

| Item | Part No.  | Description                                                                     | Qty. |
|------|-----------|---------------------------------------------------------------------------------|------|
| 1    | 13848GT   | PIN,1.00DIA X 4.75LG,2HOLE<br>(component no longer available)                   | 1    |
| 2    | 13779GT   | PIN,COTTER,.25 X 1.5                                                            | 8    |
| 3    | 13741GT   | PIN,ROLL,.25 X .625                                                             | 6    |
| 4    |           | BOOM RISER WELD-500(AFTERBR)<br>no longer available. (contact customer service) | 1    |
| 5    | 6090GT    | SCREW, HHC, 1/4-20 X .75                                                        | 16   |
| 6    | 6091GT    | NUT, NYLOCK, 1/4-20                                                             | 18   |
| 7    | 13630GT   | TRACK,PLASTIC CABLE,35 LINK                                                     | 1    |
| 7-   | T107819GT | REPAIR KIT,CABLE TRACK,7-LINK                                                   |      |
| 8    | 13713GT   | CHANNEL,LWR-PLASTIC TRACK%%                                                     | 1    |
| 9    | 6833GT    | CLAMP,0.50,#8 X 1/4,RUB CUSH                                                    |      |
| 10   | 6888GT    | SCREW,HHC,1/4-20 X 1                                                            | 2    |
| 11   | 13775GT   | WASHER,FLAT,1.063 X 2 X .134                                                    | 6    |
| 12   |           | Slave Cylinder<br>refer to section 508.1                                        | 1    |
| 13   | 13706GT   | PIN,1 X 4                                                                       | 1    |
| 14   | 13615GT   | BEARING,GARLOCK,16DU08                                                          | 2    |
| 15   | 13705GT   | PIN,1 X 6                                                                       | 2    |
| 16   | 13721GT   | WELDMENT,PIVOT,BOOM EXTENSION                                                   | 1    |
| 17   |           | Extension Tube-Primary Boom<br>(component no longer available)                  | 1    |
| 18   | 13804GT   | COVER,PRI.EXTENSION TUBE-4.38"                                                  | 1    |
| 19   | 12346GT   | 10 X .5 FLT TS SCREW                                                            | 2    |
| 20   | 77692GT   | SCREW,HHC,3/8-16 X 1 GRD 8                                                      | 16   |
| 21   | 4828GT    | NUT,NYLOCK,3/8-16                                                               | 16   |
| 22   | 13715GT   | SUPPORT,UPPER CHAN.PLAST.TRACK                                                  | 1    |
| 23   |           | Outer Tube Weldment-Primary Boom<br>(component no longer available)             | 1    |
| 24   | 13714PGT  | CHANNEL,UPR-PLAS.TRACK-(BLUE)                                                   | 1    |
| 25   |           | Valve Block<br>refer to section 508.1                                           | 1    |
| 26   |           | Master Cylinder<br>refer to section 508.1                                       | 1    |
| 27   | 13707GT   | PIN,MASTER CYL.MNT.,1 X 4.25"                                                   | 1    |

404.1 HD Primary Boom Assembly

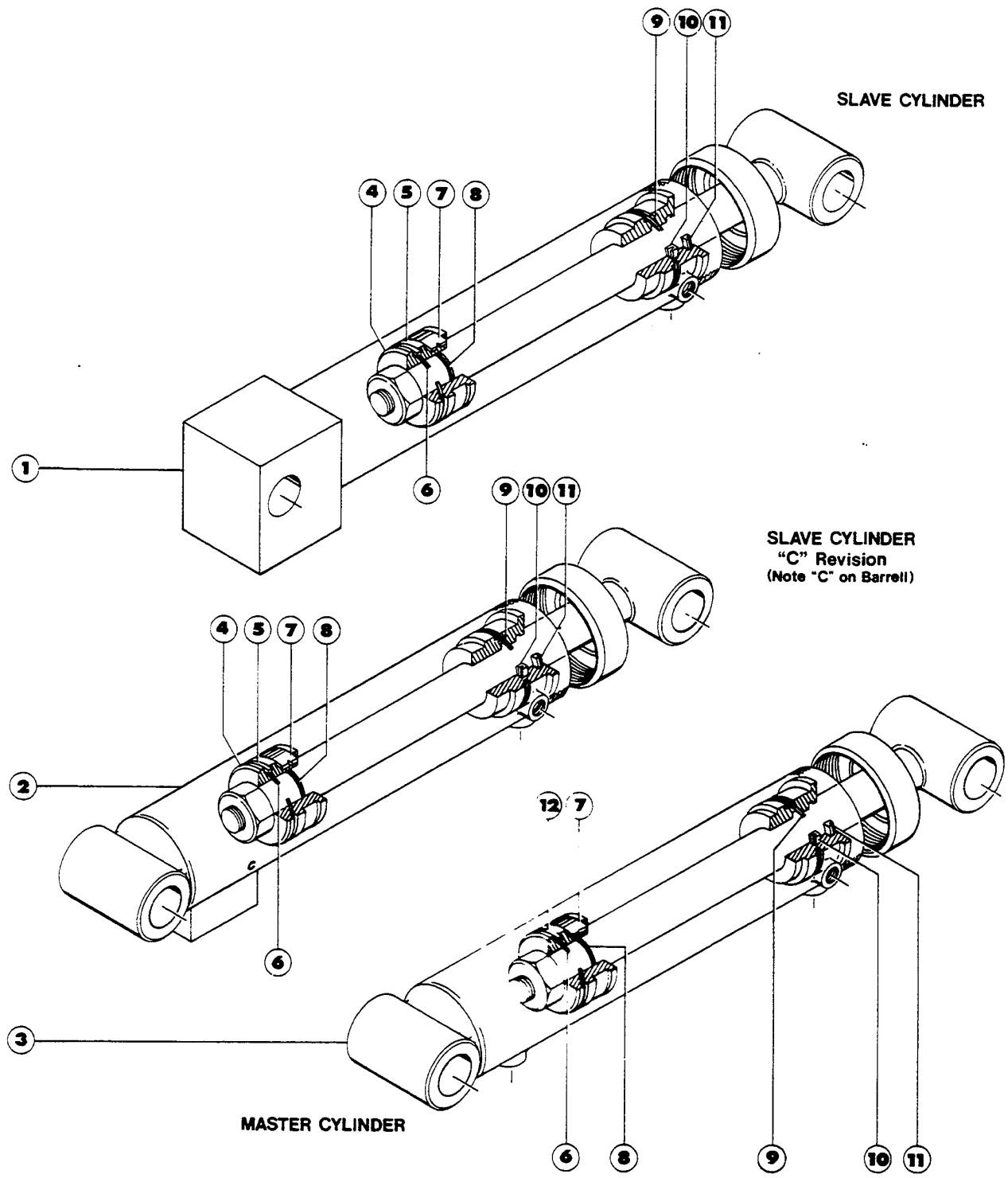




404.1 HD Primary Boom Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                   | <i>Qty.</i> |
|-------------|-----------------|--------------------------------------|-------------|
| 28          | 1569-387GT      | TUBE,RD,STL 1.44 X .065 .....        | 1           |
| 29          | 13009GT         | BEARING,1.25IDX1.50ODX1.50L .....    | 2           |
| 30          | 13318GT         | PIN-PRIMARY BOOM PIVOT-11.375" ..... | 1           |

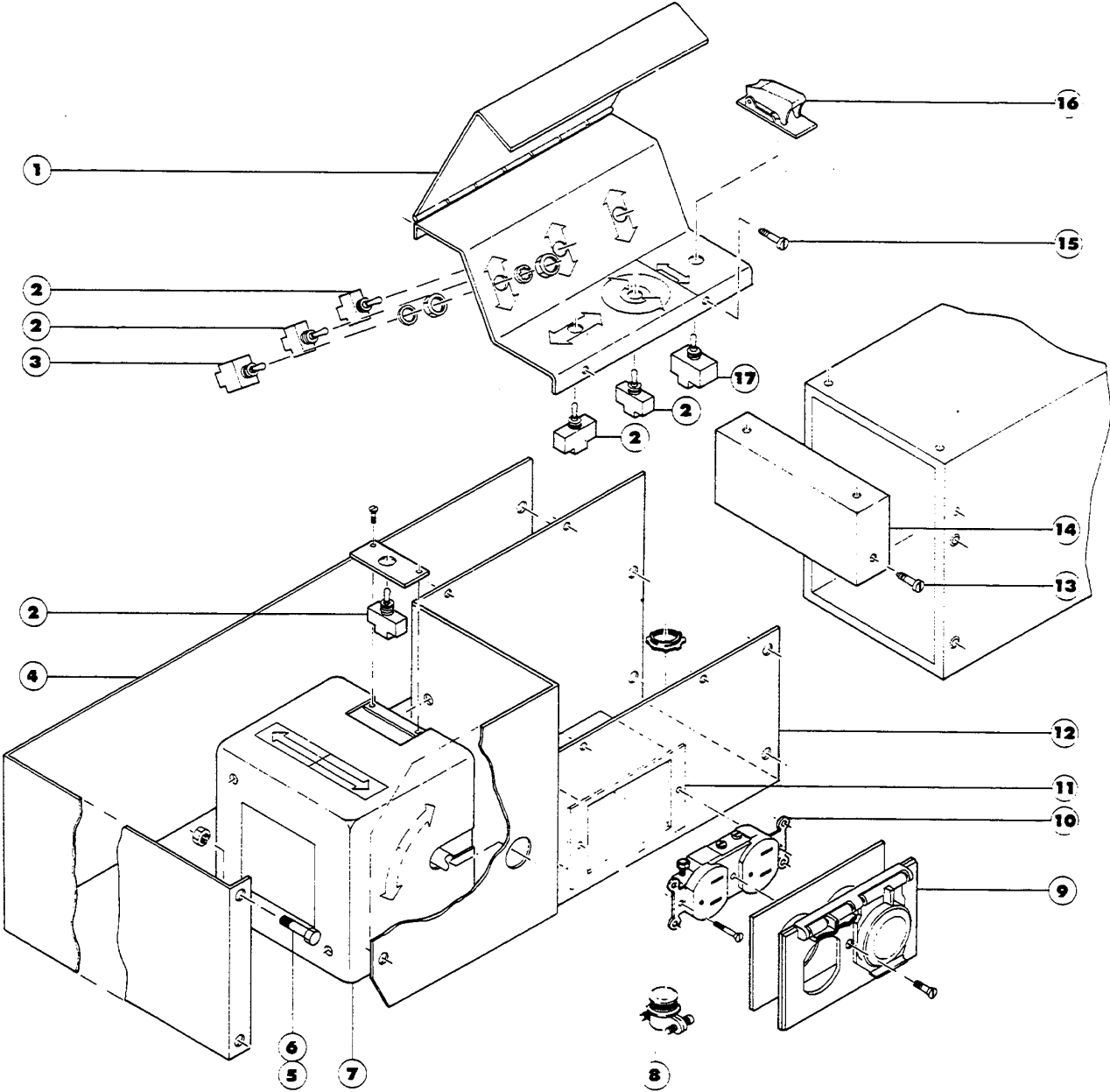
405.1 Master and Slave Cylinder Detail



## 405.1 Master and Slave Cylinder Detail

| Item | Part No. | Description                                                                                                                                                                                                                                                                               | Qty. |
|------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1    | 16427GT  | RETRO KIT, SLAVE CYL. OLD Z30<br>NOTE: A new piston (item 4) is required with the seal kit to retrofit slave cylinder #15979 when the cylinder does not have the letter "C" stamped in the cylinder barrel as shown in illustration. Once cylinder has been rebuilt, stamp the letter "C" | 1    |
| 2    | 49327GT  | SEAL KIT,UNIVERSL(MASTER CYL)* .....                                                                                                                                                                                                                                                      | 1    |
| 3    | 15980GT  | CYLINDER KIT,MASTER-GENIE BOOM .....                                                                                                                                                                                                                                                      |      |
| 3    | 49327GT  | SEAL KIT,UNIVERSL(MASTER CYL)* .....                                                                                                                                                                                                                                                      | 1    |
|      |          | Includes Items 6-12                                                                                                                                                                                                                                                                       |      |
| 4    | 16624GT  | PISTON-SLAVE CYL.(CROWN SEAL) .....                                                                                                                                                                                                                                                       | 1    |
| 5    |          | Piston Crown Seal .....                                                                                                                                                                                                                                                                   | 1    |
| 6    |          | Backup Ring .....                                                                                                                                                                                                                                                                         | 1    |
| 7    |          | Wear Ring .....                                                                                                                                                                                                                                                                           | 1    |
| 8    |          | Rod Static Seal .....                                                                                                                                                                                                                                                                     | 1    |
| 9    |          | Gland Static Seal .....                                                                                                                                                                                                                                                                   | 1    |
| 10   |          | Rod Seal .....                                                                                                                                                                                                                                                                            | 1    |
| 11   |          | Rod Wiper .....                                                                                                                                                                                                                                                                           | 1    |
| 12   |          | Piston Seal .....                                                                                                                                                                                                                                                                         | 1    |

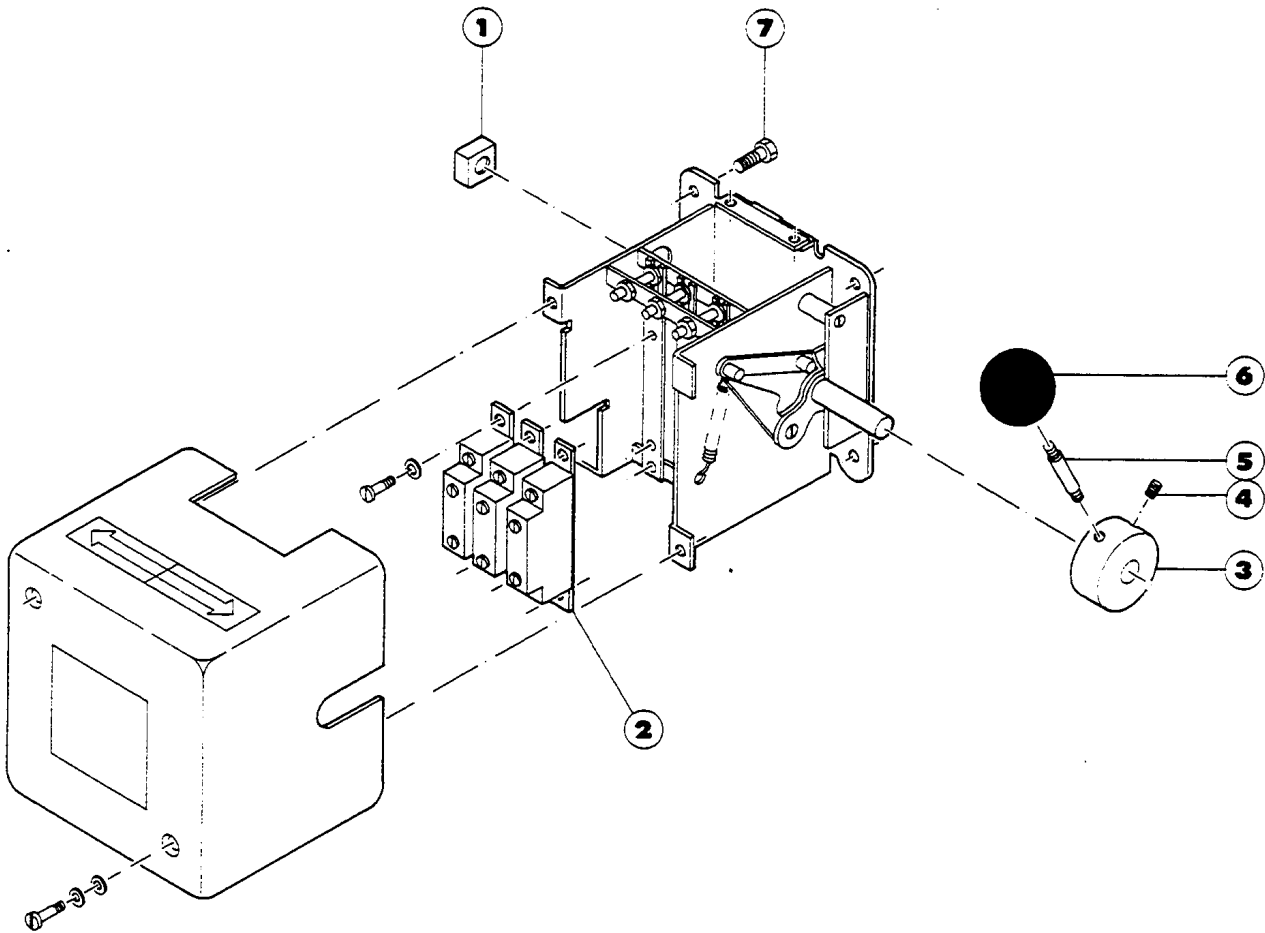
501.1 Platform Control Box Assembly



## 501.1 Platform Control Box Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                                                       | <i>Qty.</i> |
|-------------|-----------------|------------------------------------------------------------------------------------------|-------------|
|             | 13798GT         | PLATFORM CONTROL BOX ASSY-500# .....                                                     |             |
| 1           | 13887GT         | PLAT.CNTRL.BOX COVER-3HOLE 3&5 .....                                                     | 1           |
| 2           | 13037-SGT       | SWITCH,TOGGLE,SPDT,3POS MOMEN* .....                                                     | 5           |
| 3           | 13038-SGT       | SWITCH,TOGGLE,DPDT,3POS MAINT .....                                                      | 1           |
| 4           | 13477GT         | CONTROL BOX GUARD (PRI. BOOM) .....                                                      | 1           |
| 5           | 94195GT         | SCREW,HHC,3/8-16 X .75,GR 8 .....                                                        | 2           |
| 6           | 4828GT          | NUT,NYLOCK,3/8-16 .....                                                                  | 2           |
| 7           | 12892GT         | DIRECT / ACCEL. SWITCH W/DECAL<br>(refer to 502.1) (does not include lever or hub) ..... | 1           |
| 8           | 6622GT          | GROUND CONNECTOR,1/2" .....                                                              | 1           |
| 9           | 31153GT         | OUTLET CONVERSION KIT .....                                                              | 1           |
| 10          | 31153GT         | OUTLET CONVERSION KIT .....                                                              | 1           |
| 11          | 13267GT         | SWITCH BOX,NON-METALIC,SINGLE .....                                                      | 1           |
| 12          | 12888GT         | CONTROL BOX W/DECALS .....                                                               | 1           |
| 13          | 12346GT         | 10 X .5 FLT TS SCREW .....                                                               | 3           |
| 14          | 13417GT         | BOOM END COVER .....                                                                     | 1           |
| 15          | 12346GT         | 10 X .5 FLT TS SCREW .....                                                               | 4           |
| 16          | 13471GT         | COVER, AUXILIARY POWER SWITCH .....                                                      | 1           |
| 17          | 13091GT         | SWITCH,TOGGLE,DPST,2POS MAINT .....                                                      | 1           |

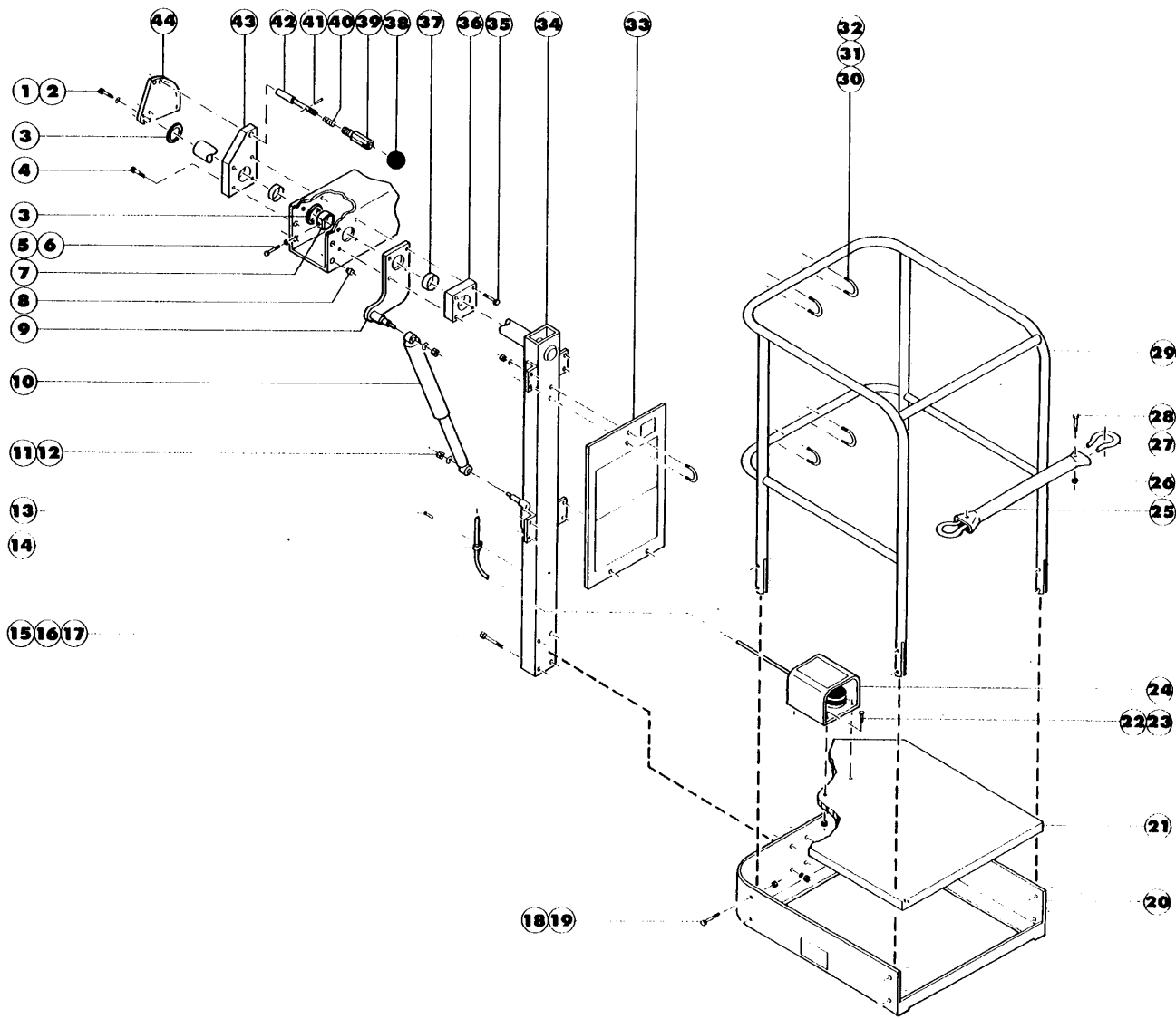
502.1 Accelerator Switch Assembly



## 502.1 Accelerator Switch Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                                                     | <i>Qty.</i> |
|-------------|-----------------|----------------------------------------------------------------------------------------|-------------|
|             | 13039GT         | SWITCH,GE,DIRECT./ACCELLERATOR<br>(PN 12892GT includes PN's 13039GT and 12254GT) ..... | 1           |
| -           | 13039-3GT       | COVER-DIR./ACCELLERATOR SWITCH .....                                                   | 1           |
| -           | 12554GT         | DECAL,LEFT-RIGHT" 300LB BOOM .....                                                     | 1           |
| 1           | 13039-1GT       | POTENTIOMETER,DIR/ACCEL.SWITCH .....                                                   | 1           |
| 2           | 13039-2GT       | SWITCH,1A & DIRECT.CONTROL .....                                                       | 3           |
| 3           | 13094GT         | CONTROL ROD HUB .....                                                                  | 1           |
| 4           | 13016GT         | SCREW,SET,HS 1/4-28 X .375 .....                                                       | 1           |
| 5           | 13040GT         | ROD-CONTROL LEVER, ZINC .....                                                          | 1           |
| 6           | 13089GT         | BALL KNOB,SPEED LEV.-1.375"DIA .....                                                   | 1           |
| 7           | 6090GT          | SCREW, HHC, 1/4-20 X .75 .....                                                         | 4           |

503.1 Platform Installation

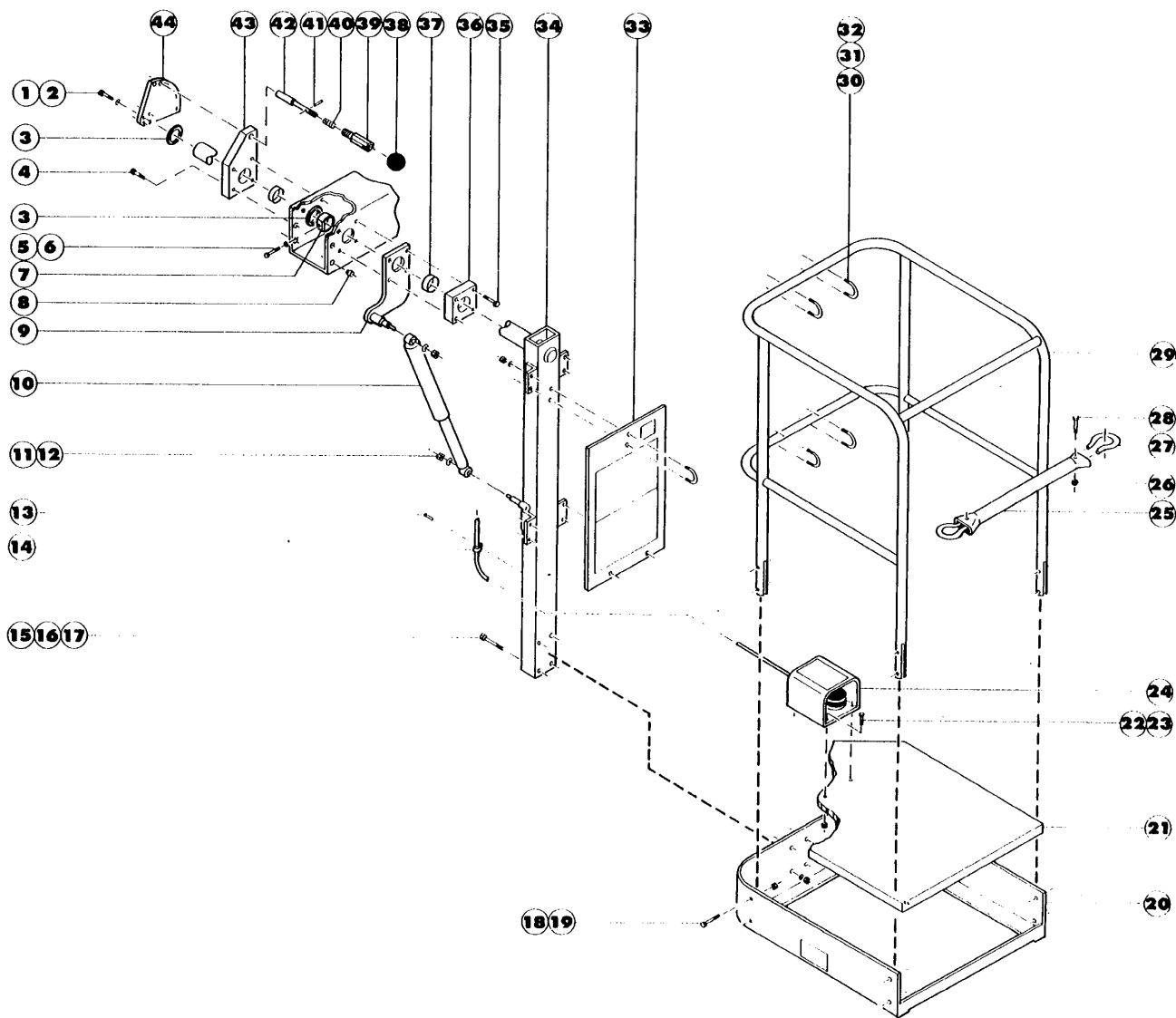




## 503.1 Platform Installation

| Item | Part No. | Description                                                                             | Qty. |
|------|----------|-----------------------------------------------------------------------------------------|------|
|      | 13563GT  | PLAT. ASSY--300 LB BOOM .....                                                           | 1    |
|      |          | PLAT. ASSY W/DECALS-HD&Z45'4FT<br>(used on 500-lb machines) (no longer available) ..... | 1    |
|      | 17850GT  | MOTOR,36V (BRAKE POWER UNIT)* .....                                                     |      |
|      |          | (motor for platform leveling)                                                           |      |
| 1    | 94195GT  | SCREW,HHC,3/8-16 X .75,GR 8 .....                                                       | 4    |
| 2    | 6021GT   | WASHER,LOCK,.375 .....                                                                  | 4    |
| 3    | 13069GT  | SPACER, NYLON-.0625 X 3 X 2 GB .....                                                    | 2    |
| 4    | 8516GT   | SCREW, HCC, 3/8-16 X 1.50 .....                                                         | 4    |
| 5    | 6115GT   | SCREW,HHC,1/4-20 X 3.5 .....                                                            | 1    |
| 6    | 6356GT   | WASHER,LOCK,.25 .....                                                                   | 1    |
| 7    | 13372GT  | TUBE-PLAT.PIVOT ROD COLLAR-.75 .....                                                    | 1    |
| 8    | 11697GT  | NUTSERT,3/8-16 STEEL CAD PLTD .....                                                     | 4    |
| 9    | 13456GT  | WELDMENT-DAMPER MOUNT .....                                                             | 1    |
| 10   |          | SHOCK ABSORBER .....                                                                    | 1    |
|      |          | (component no longer available)                                                         |      |
| 11   | 4828GT   | NUT,NYLOCK,3/8-16 .....                                                                 | 2    |
| 12   | 6097GT   | WASHER,FLAT,USS,3/8",Y .....                                                            | 2    |
| 13   | 6271GT   | RIVET,STL,STL.MAN,P,.25 X .25 .....                                                     | 3    |
| 14   | 6833GT   | CLAMP,0.50,#8 X 1/4,RUB CUSH .....                                                      | 3    |
| 15   | 6884GT   | SCREW,HHC,1/4-20 X 2.5 .....                                                            | 4    |
| 16   | 6638GT   | WASHER, FLAT, USS, 1/4"Y .....                                                          | 4    |
| 17   | 6091GT   | NUT, NYLOCK, 1/4-20 .....                                                               | 4    |
| 18   | 6090GT   | SCREW, HHC, 1/4-20 X .75 .....                                                          | 8    |
| 19   | 6091GT   | NUT, NYLOCK, 1/4-20 .....                                                               | 8    |
| 20   | 12889GT  | TOE BOARD W/DECALS-GENIE BOOM .....                                                     | 1    |
| 21   | 13561GT  | PLYWOOD PLATFORM--300 LB BOOM .....                                                     | 1    |
| 22   | 6888GT   | SCREW,HHC,1/4-20 X 1 .....                                                              | 4    |
| 23   | 6091GT   | NUT, NYLOCK, 1/4-20 .....                                                               | 4    |
| 24   | 13581GT  | FOOT SWITCH ASSY-BOOM .....                                                             | 1    |
| 25   | 12458GT  | TUBE-SLIDING MIDRAIL-19.18" .....                                                       | 1    |

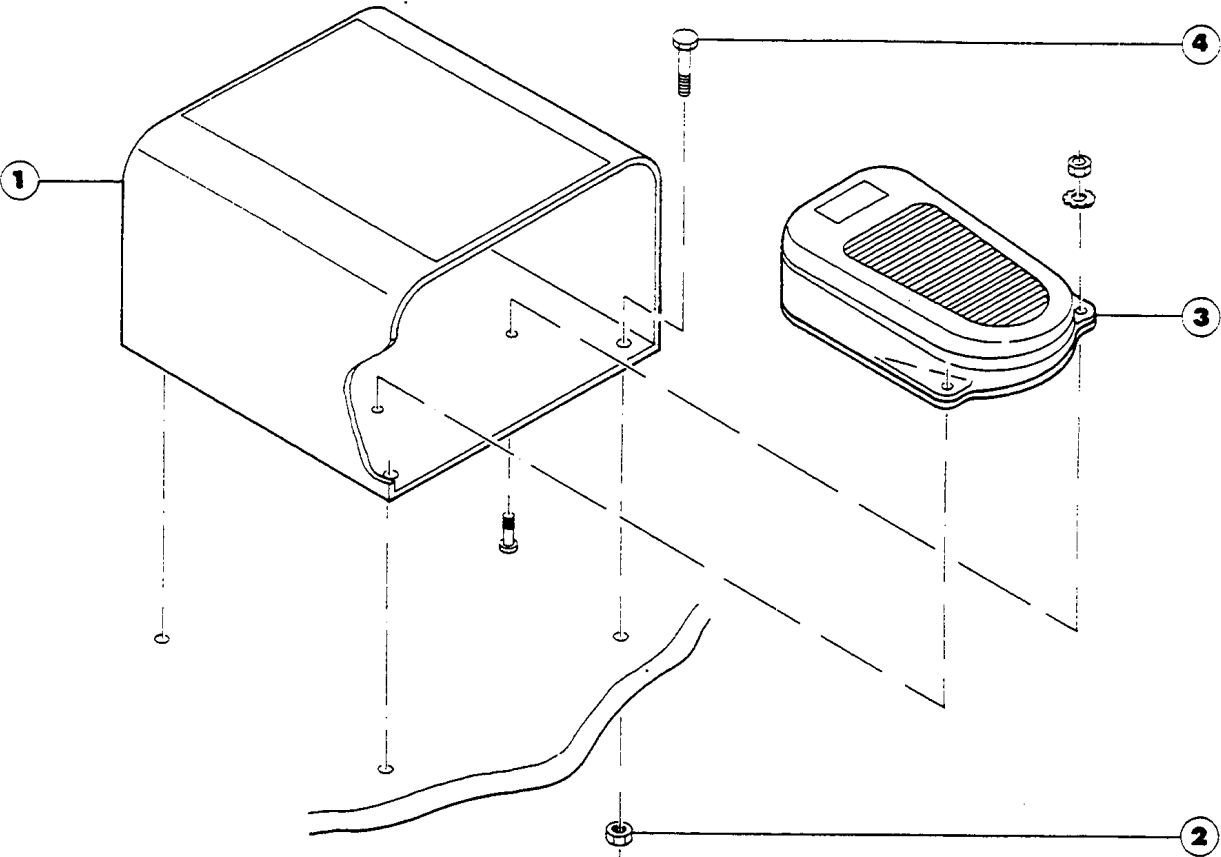
503.1 Platform Installation



## 503.1 Platform Installation

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                   | <i>Qty.</i> |
|-------------|-----------------|--------------------------------------|-------------|
| 26          | 6091GT          | NUT, NYLOCK, 1/4-20 .....            | 2           |
| 27          | 12443GT         | MIDRAIL GUIDE ( HOOK ) .....         | 2           |
| 28          | 6090GT          | SCREW, HHC, 1/4-20 X .75 .....       | 2           |
| 29          | 13247GT         | PLATFORM RAILING WELDMENT .....      | 1           |
| 30          | 6550GT          | U-BOLT, 3/8 X 1 YZ .....             | 5           |
| 31          | 6638GT          | WASHER, FLAT, USS, 1/4"Y .....       | 10          |
| 32          | 4828GT          | NUT, NYLOCK, 3/8-16 .....            | 10          |
| 33          | 12891GT         | PLATFORM DECAL PLATE W/DECALS .....  | 1           |
| 34          | 13371GT         | PLATFORM SUPPORT WELDMENT-300# ..... | 1           |
| 35          | 6708GT          | SCREW, HHC, 3/8-16 X 2.25 .....      | 4           |
| 36          | 13369GT         | PLAT. BEARING BLOCK .....            | 1           |
| 37          | 13068GT         | BUSHING 2.25 X 2 X .75, OILITE ..... | 2           |
| 38          | 13090GT         | BALL KNOB, PLAT. LOCK , 1" DIA. .... | 1           |
| 39          | 13432GT         | PIN HOUSING .....                    | 1           |
| 40          | 5167GT          | SPRING, LOCK PIN .....               | 1           |
| 41          | 12873GT         | PIN, ROLL, .125 X .5 .....           | 1           |
| 42          | 13431GT         | STOP PIN - ZINC PLTD%% .....         | 1           |
| 43          | 13439GT         | PLATFORM STOP & BEARING MOUNT .....  | 1           |
| 44          | 13454GT         | PLATE-PLATFORM LOCK (DRILLED) .....  | 1           |

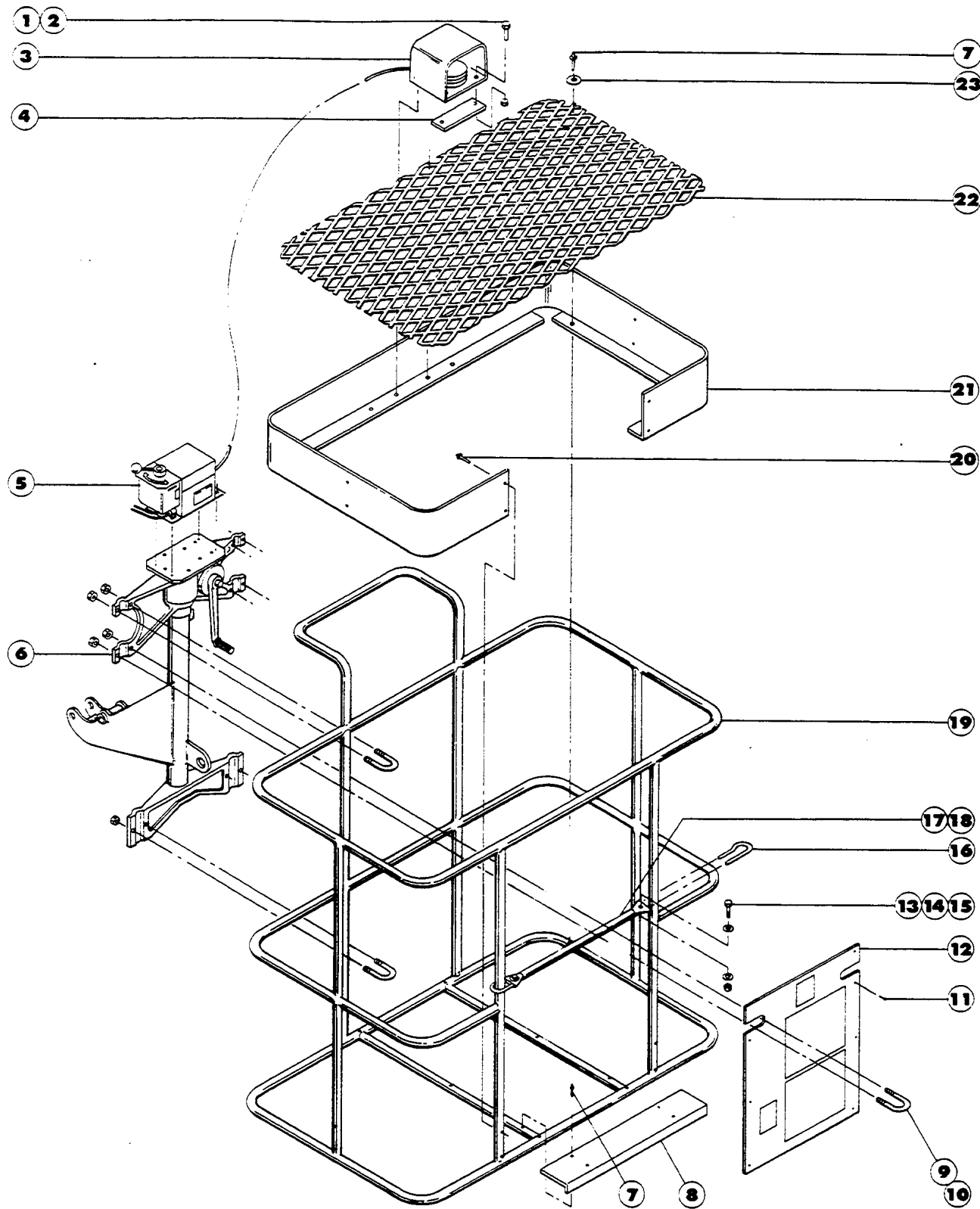
504.1 Foot Switch Assembly



## 504.1 Foot Switch Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                  | <i>Qty.</i> |
|-------------|-----------------|-------------------------------------|-------------|
|             | 13581GT         | FOOT SWITCH ASSY-BOOM .....         | 1           |
| 1           | 12890GT         | FOOT SWITCH GUARD W/DECALS .....    | 1           |
|             |                 | Includes Switch MTG Fasteners       |             |
| 1-          | 12441GT         | DECAL,BRAKE SWITCH INSTRUCT." ..... | 1           |
| 2           | 6091GT          | NUT, NYLOCK, 1/4-20 .....           | 4           |
| 3           | 13482GT         | FOOT SWITCH*** .....                | 1           |
| 3-          | 20262GT         | MICROSWITCH,13482 FOOTSWITCH .....  | 1           |
| 4           | 8915GT          | SCREW,HHC,1/4-20 X 1.25 .....       | 4           |

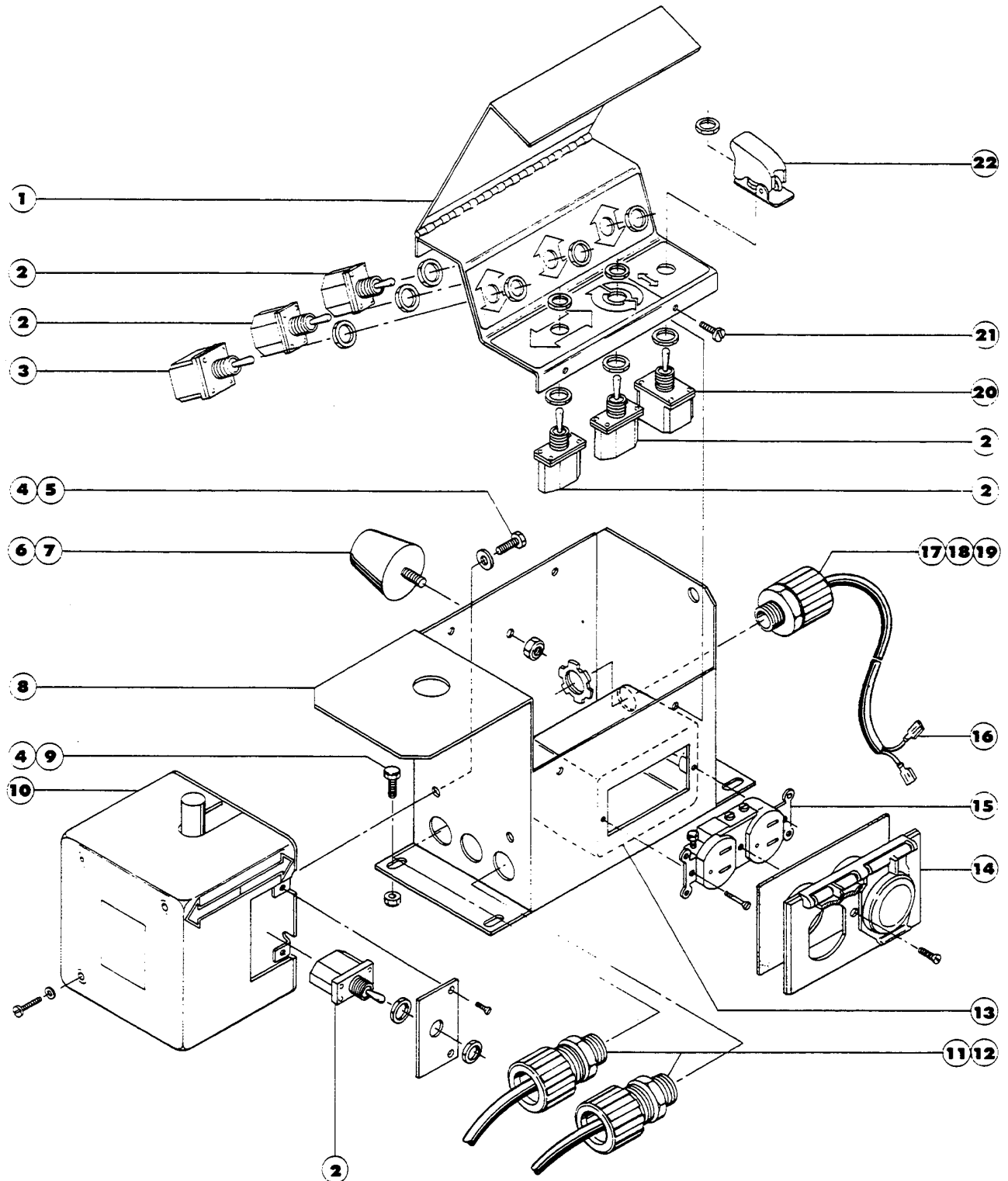
505.1 HD Platform Assembly



## 505.1 HD Platform Assembly

| Item | Part No. | Description                                                                    | Qty. |
|------|----------|--------------------------------------------------------------------------------|------|
|      |          | PLAT. ASSY W/DECALS-HD&Z45'4FT .....<br>(no longer available)                  | 1    |
|      | 35108GT  | PLAT.W/DECALS-EURO,Z45& HD,4FT .....<br>(European models)                      | 1    |
| 1    | 6888GT   | SCREW,HHC,1/4-20 X 1 .....                                                     | 4    |
| 2    | 6091GT   | NUT, NYLOCK, 1/4-20 .....                                                      | 4    |
| 3    |          | Foot Switch Assembly .....<br>(refer to section 504.1)                         | 1    |
| 4    | 13840GT  | FOOT SWITCH MOUNTING PLATE-6" .....                                            | 1    |
| 5    |          | Control Box .....<br>(refer to section 506.1)                                  | 1    |
| 6    |          | Platform Gearbox Assembly .....<br>(refer to section 507.1)                    | 1    |
| 7    | 7266GT   | RIVET,STL,STL,P,.25 X .75 .....                                                | 16   |
| 8    | 13693GT  | ANGLE-PLAT. STEP,HDBOOM-22" .....                                              | 1    |
| 9    | 6550GT   | U-BOLT,3/8 X 1 YZ .....                                                        | 6    |
| 10   | 4828GT   | NUT,NYLOCK,3/8-16 .....                                                        | 12   |
| 11   | 8920GT   | RIVET,ALUM,ALUM,P,.156 X .375 .....                                            | 8    |
| 12   | 15623GT  | DECAL PLATE W/DECALS-500# PLAT .....                                           | 1    |
| 13   | 6090GT   | SCREW, HHC, 1/4-20 X .75 .....                                                 | 2    |
| 14   | 6638GT   | WASHER, FLAT, USS, 1/4"Y .....                                                 | 4    |
| 15   | 6091GT   | NUT, NYLOCK, 1/4-20 .....                                                      | 2    |
| 16   | 12443GT  | MIDRAIL GUIDE ( HOOK ) .....                                                   | 2    |
| 17A  | 53819GT  | TUBE,SLIDING MIDRAIL,20.69 IN .....<br>(see kit PN 139450GT)                   | 1    |
| 17B  | 139451GT | TUBE,SLIDING MIDRAIL,PAINTED .....<br>(see kit PN 102992GT)                    |      |
| 18   | 13859GT  | Midrail Cushion .....<br>(component no longer available)                       | 2    |
| 19   | 13701GT  | PLAT.WLDMNT,ALUM-DOMESTC, 4' .....<br>(toeboard not included)                  | 1    |
| 19-  | 13695GT  | PLAT CONTROL BOX RAIL .....<br>(small bent section to accommodate control box) | 1    |
| 19-  | 13682GT  | SPLICER, TUBE, 500LB ALUM.PLAT .....                                           | 2    |
| 20   | 7265GT   | RIVET,STEEL,P, .25 X .375 .....                                                | 14   |
| 21   | 49801GT  | TOEBOARD, 4' PLATFORM .....                                                    | 1    |
| 22   | 13677PGT | PLATFORM GRATING-45 X 27(BLUE) .....                                           | 1    |
| 23   | 12906GT  | WASHER,FENDER,.25 X 1.25 X.062 .....                                           | 10   |

## 506.1 HD Control Box Assembly

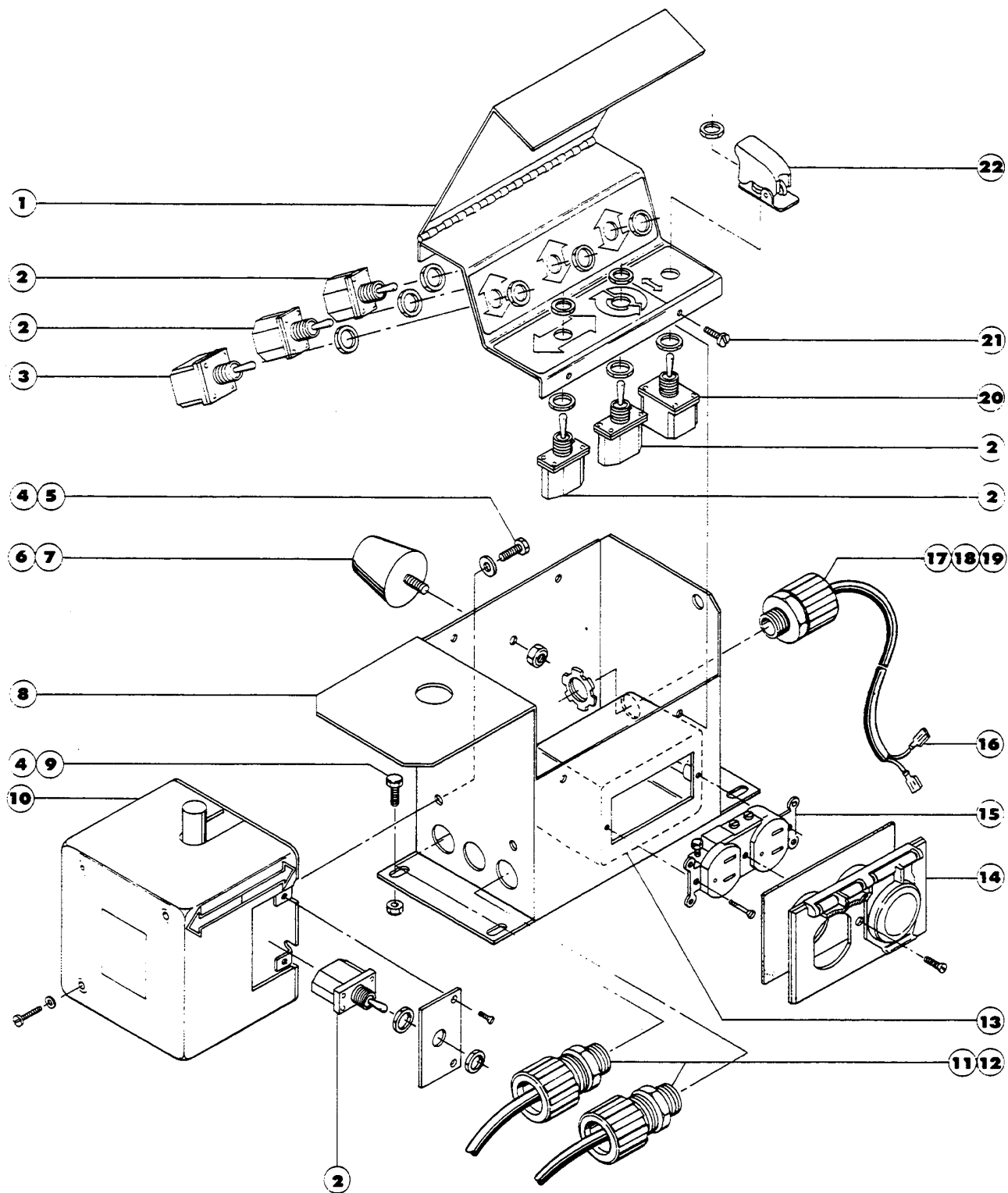




## 506.1 HD Control Box Assembly

| Item | Part No.  | Description                                                                  | Qty. |
|------|-----------|------------------------------------------------------------------------------|------|
|      | 13798GT   | PLATFORM CONTROL BOX ASSY-500# .....                                         |      |
|      | 16397-SGT | SWITCH,TOGGLE,DPDT,3POS MOMEN<br>(platform level switch) .....               |      |
| 1    | 15621GT   | PLAT.CNTRL.BOX COVER-4HOLE,500 .....                                         | 1    |
| 1-   | 16577PGT  | SWITCH PANEL W/COVER-(BLUE) .....                                            | 1    |
| 1-   | 16064GT   | DECAL,TURRET ROT.(PLAT) 500LB<br>(PN 12396GT is likely used on non-HD) ..... | 1    |
| 1-   | 16575GT   | DECAL,NEUTRAL/PLAT.LEVEL(PLAT) .....                                         | 1    |
| 2    | 13037-SGT | SWITCH,TOGGLE,SPDT,3POS MOMEN* .....                                         | 6    |
| 3    | 13038-SGT | SWITCH,TOGGLE,DPDT,3POS MAINT .....                                          | 1    |
| 4    | 6090GT    | SCREW, HHC, 1/4-20 X .75 .....                                               | 6    |
| 5    | 6356GT    | WASHER,LOCK, .25 .....                                                       | 4    |
| 6    | 13802GT   | BUMPER,RUBBER-1 X 1.5 .....                                                  | 1    |
| 7    | 13803GT   | NUT,NYLOCK,5/16-24 .....                                                     | 1    |
| 8    | 16576PGT  | CONTROL BOX-HD W/LEVELING-BLUE .....                                         | 1    |
| 9    | 6091GT    | NUT, NYLOCK, 1/4-20 .....                                                    | 1    |
| 10   | 13856GT   | SWITCH,GE DIR/ACC,CUT/DRILLED .....                                          | 1    |
| 10-  | 13983GT   | DECAL,RIGHT-LEFT" 500LB BOOM .....                                           | 1    |
| 10-  | 13039-1GT | POTENTIOMETER,DIR/ACCEL.SWITCH .....                                         | 1    |
| 11   | 1544GT    | CONTROL CABLE,16/12,(SDN),BULK .....                                         | 2    |
| 12   | 12960GT   | CABLE SQUEEZE CONN.,XTRA LRG .....                                           | 2    |
| 13   | 13267GT   | SWITCH BOX,NON-METALIC,SINGLE .....                                          | 1    |
| 14   | 31153GT   | OUTLET CONVERSION KIT .....                                                  | 1    |
| 15   | 31153GT   | OUTLET CONVERSION KIT .....                                                  | 1    |
| 16   | 13825GT   | TERMINAL,COUPLER,MALE,14-16GA .....                                          | 2    |
| 17   | 1544GT    | CONTROL CABLE,16/12,(SDN),BULK .....                                         | 1    |
| 18   | 7056GT    | CONN, SQZ, 1/2NPT, 0.38-0.50,SM .....                                        | 1    |
| 19   | 6935GT    | CONN, SQZ, 1/2NPT, LOCKNUT .....                                             | 1    |
| 20   | 13091GT   | SWITCH,TOGGLE,DPST,2POS MAINT .....                                          | 1    |
| 21   | 12346GT   | 10 X .5 FLT TS SCREW .....                                                   | 4    |

506.1 HD Control Box Assembly

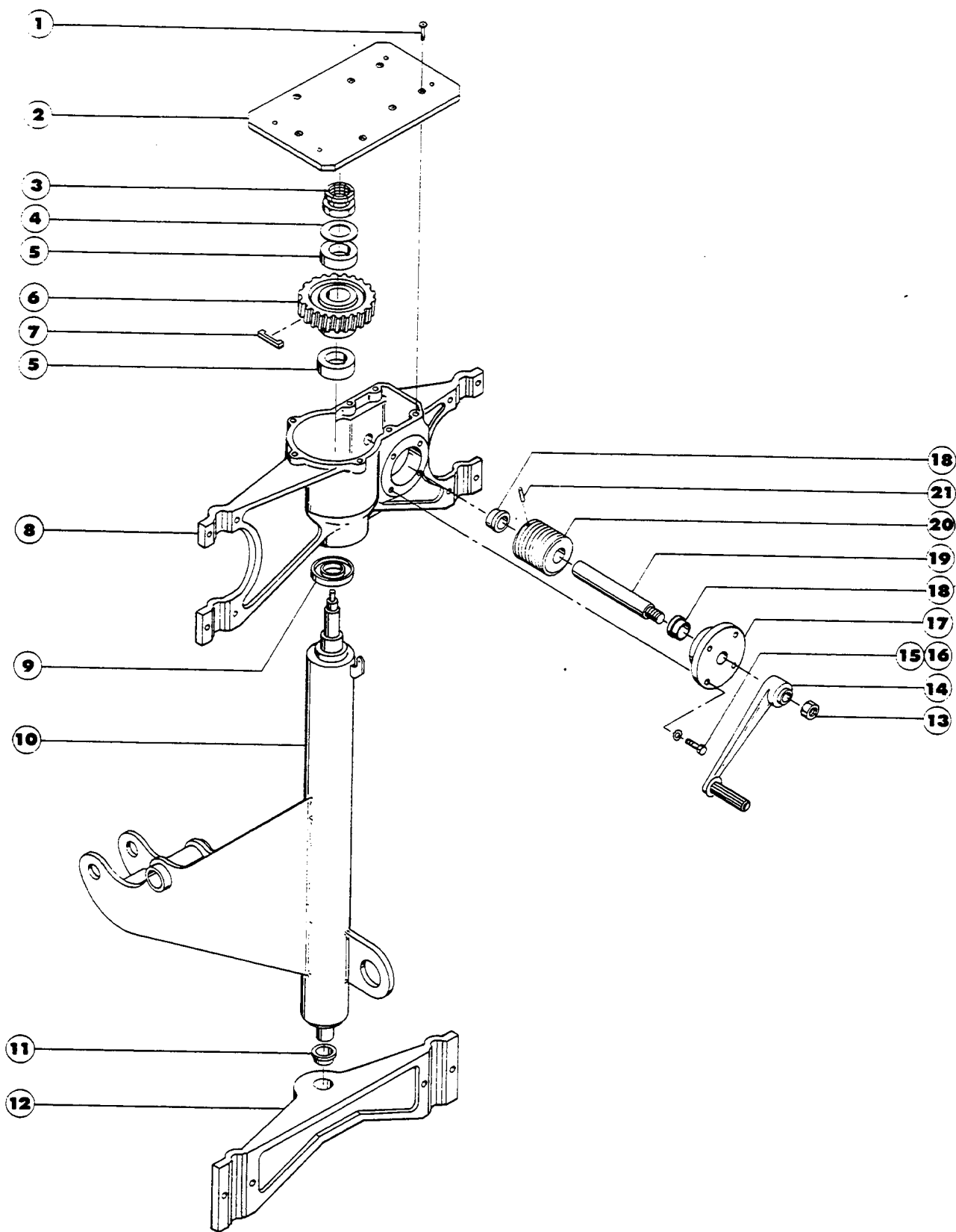


506.1 HD Control Box Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                  | <i>Qty.</i> |
|-------------|-----------------|-------------------------------------|-------------|
| 22          | 13471GT         | COVER, AUXILIARY POWER SWITCH ..... | 1           |



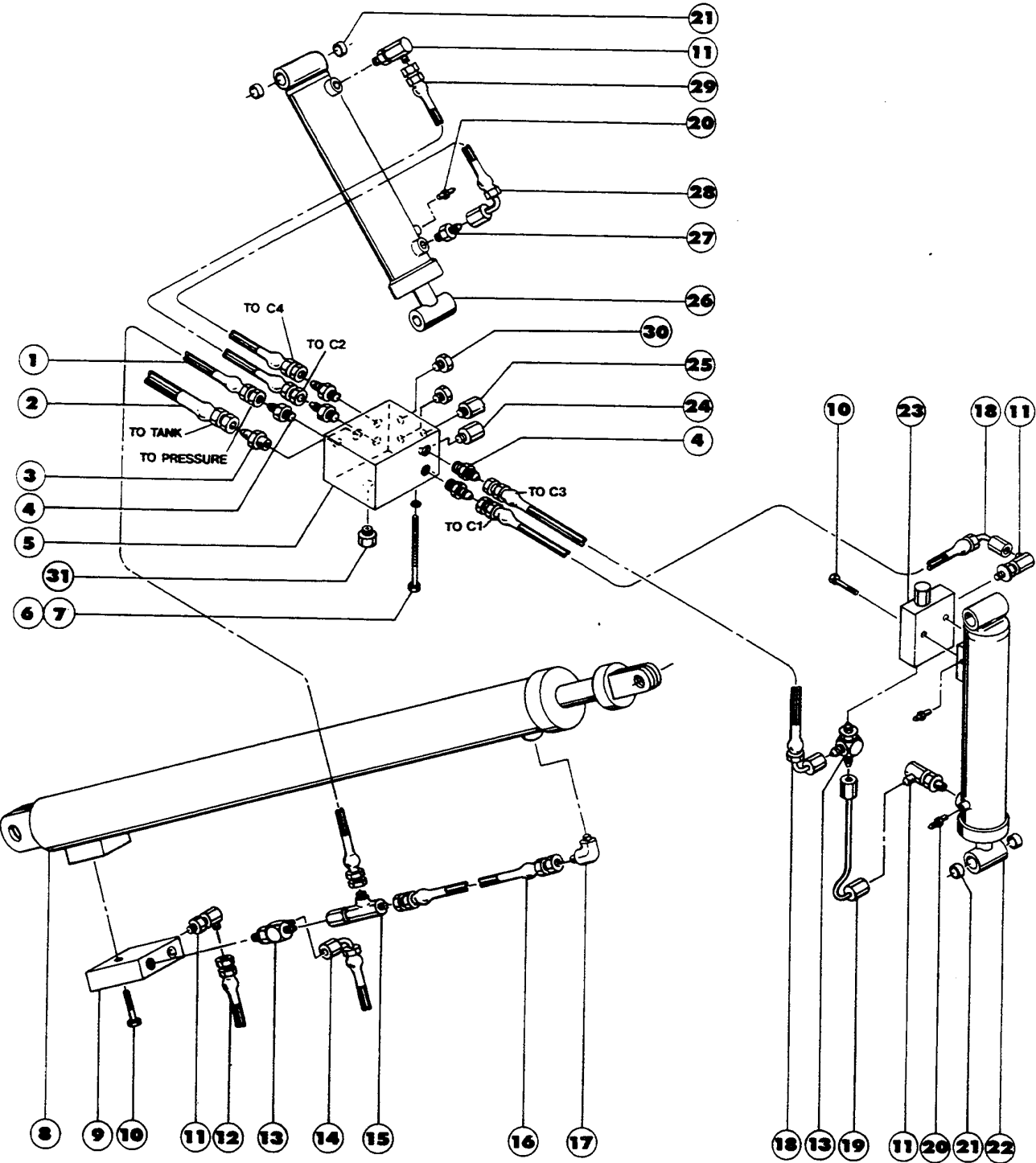
507.1 Platform Gearbox Assembly



## 507.1 Platform Gearbox Assembly

| Item | Part No. | Description                                                               | Qty. |
|------|----------|---------------------------------------------------------------------------|------|
|      | 16592GT  | GEARBOX ASSY-W/PLAT.LEVELING .....<br>(does not included items 11 and 12) |      |
| 1    | 8514GT   | SCREW,FHS,1/4-20 X .75 .....                                              | 7    |
| 2    | 16591GT  | GEARBOX COVER-PLAT.PIVOT W/LVL .....                                      | 1    |
| 3A   | 29764GT  | NUT,NYLOCK,1-8 .....                                                      | 1    |
| 3B   | 19331GT  | NUT,LP NYLOCK,1-12 .....<br>(from SN 3090-2082)                           |      |
| 4A   | 13775GT  | WASHER,FLAT,1.063 X 2 X .134 .....                                        | 1    |
| 4B   | 22036GT  | DISC SPRING-2.50 X 1.063 .....<br>(from SN 3090-2082)                     |      |
| 5    | 12900GT  | CLUTCH COLLAR%% .....                                                     | 2    |
| 6    | 13610GT  | WORM GEAR,R.H.PER GENIE DWG .....                                         | 1    |
| 7    | 13708GT  | KEY-CLUTCH COLLAR .....                                                   | 1    |
| 8    | 13782GT  | GEARBOX CASTING, PLAT.ROTATE%% .....                                      | 1    |
| 9    | 13614GT  | SEAL, OIL,470094 PLAT.GEARBOX .....                                       | 1    |
| 10   | 29223GT  | PLATFORM PIVOT ASSY,30/20 .....<br>(replaced PN 13722)                    | 1    |
| 11   | 13615GT  | BEARING,GARLOCK,16DU08 .....                                              | 1    |
| 12   | 13781GT  | PIVOT CASTING, PLAT. ROTATE .....                                         | 1    |
| 13   | 6086GT   | NUT,LP NYLOCK,1/2-13 .....                                                | 1    |
| 14   | 13869GT  | WINCH HANDLE ASSY-(LL/BOOM)** .....                                       | 1    |
| 15   | 13002GT  | SCREW,HHC,5/16-18 X 1 GR5 .....                                           | 4    |
| 16   | 13783GT  | WASHER,STAR,INTERNAL,.313 .....                                           | 4    |
| 17   | 13681GT  | FLANGE-BEARING .....                                                      | 1    |
| 18   | 13612GT  | BUSHING,FLANGE .875 X 1 X .625 .....                                      | 2    |
| 19   | 35831GT  | WORM & WORM SHAFT ASSY-SERV*** .....<br>(from SN 3090-2082)               | 1    |
| 20   | 35831GT  | WORM & WORM SHAFT ASSY-SERV*** .....<br>(from SN 3090-2082)               | 1    |
| 21   | 10665GT  | PIN,ROLL,.25 X 1.5*** .....                                               | 1    |

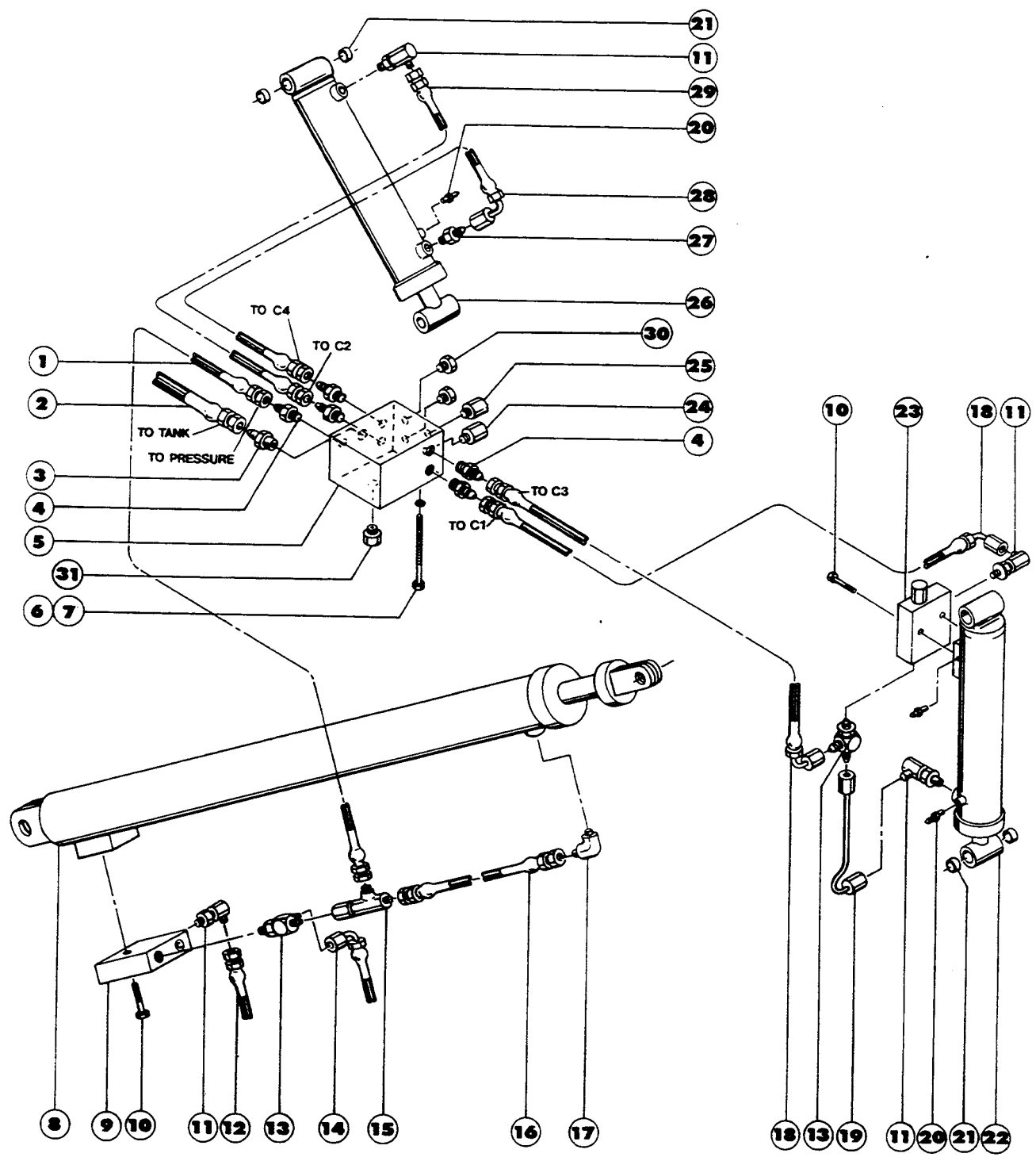
508.1 Platform Leveling System Assembly



## 508.1 Platform Leveling System Assembly

| Item | Part No. | Description                           | Qty. |
|------|----------|---------------------------------------|------|
|      | 16589GT  | POWER UNIT ASSY-PLAT.LEVELING .....   |      |
|      | 16997GT  | PLATFORM LEVEL ACCESS-(FIELD) .....   |      |
| 1    | 13788GT  | HOSE ASSY-VALVE/MASTER-32.5" .....    | 1    |
| 2    | 13789GT  | HOSE ASSY-VALVE/TANK-218.5" .....     | 1    |
| 3    | 13799GT  | CONNECTOR,070120-6-4 .....            | 1    |
| 4    | 13755GT  | CONNECTOR,070120-4-4 .....            | 5    |
| 5    | 13761GT  | VALVE-PLATFORM LEVELING .....         | 1    |
|      |          | Incl. #24,25,30                       |      |
| 6    | 12343GT  | SCREW,HHC,1/4-20 X 3 .....            | 2    |
| 7    | 13783GT  | WASHER,STAR,INTERNAL,.313 .....       | 2    |
| 8    | 13231GT  | CYLINDER WELDMENT-BOOM LIFTING .....  | 1    |
| 9    | 13018GT  | VALVE,HOLDING .....                   | 1    |
| 10   | 6145GT   | SCREW,HHC,1/4-20 X 1.5 .....          | 4    |
| 11   |          | Elbow, Male, 1/4 JIC x 3/8 SAE .....  | 3    |
|      |          | 2501-04-06-FG                         |      |
| 12   | 13519GT  | HOSE ASSY,PRI-VB/A-V,-179.9" .....    | 1    |
| 13   | 13113GT  | TEE,RUN,070428-6-4 .....              | 2    |
| 14   | 13520GT  | HOSE ASSY,PRI-VB/B-P,181.75" .....    | 1    |
| 15   | 13757GT  | TEE,RUN,070432-4 .....                | 1    |
| 16   | 13830GT  | HOSE ASSY,500# PRI.B.LIF-20.5" .....  | 1    |
| 17   | 6647GT   | ELBOW,070202-4-4 .....                | 1    |
| 18   | 13787GT  | HOSE ASSY-VALVE/SLAVE-254.5" .....    | 2    |
| 19   | 16254GT  | FLARE TUBE ASSY-SLAVE CYLINDER .....  | 1    |
| 20   | 13852GT  | VALVE ASSY,BLEED*** .....             | 3    |
| 21   | 13615GT  | BEARING,GARLOCK,16DU08 .....          | 4    |
| 22   | 16427GT  | RETRO KIT, SLAVE CYL. OLD Z30 .....   | 1    |
|      |          | Incl. Bearings, Cotter Pin & Roll Pin |      |
| 22-  | 16252GT  | BUSHING,140140-4-2 .....              |      |
| 23   | 13685GT  | VALVE,HOLDING,GASKET MOUNTED .....    | 1    |
| 24   | 19968GT  | VALVE,RELIEF (18660) .....            | 1    |
| 25   | 27837GT  | VALVE,RELIEF 1000 PSI,S60/V24D .....  | 1    |

508.1 Platform Leveling System Assembly

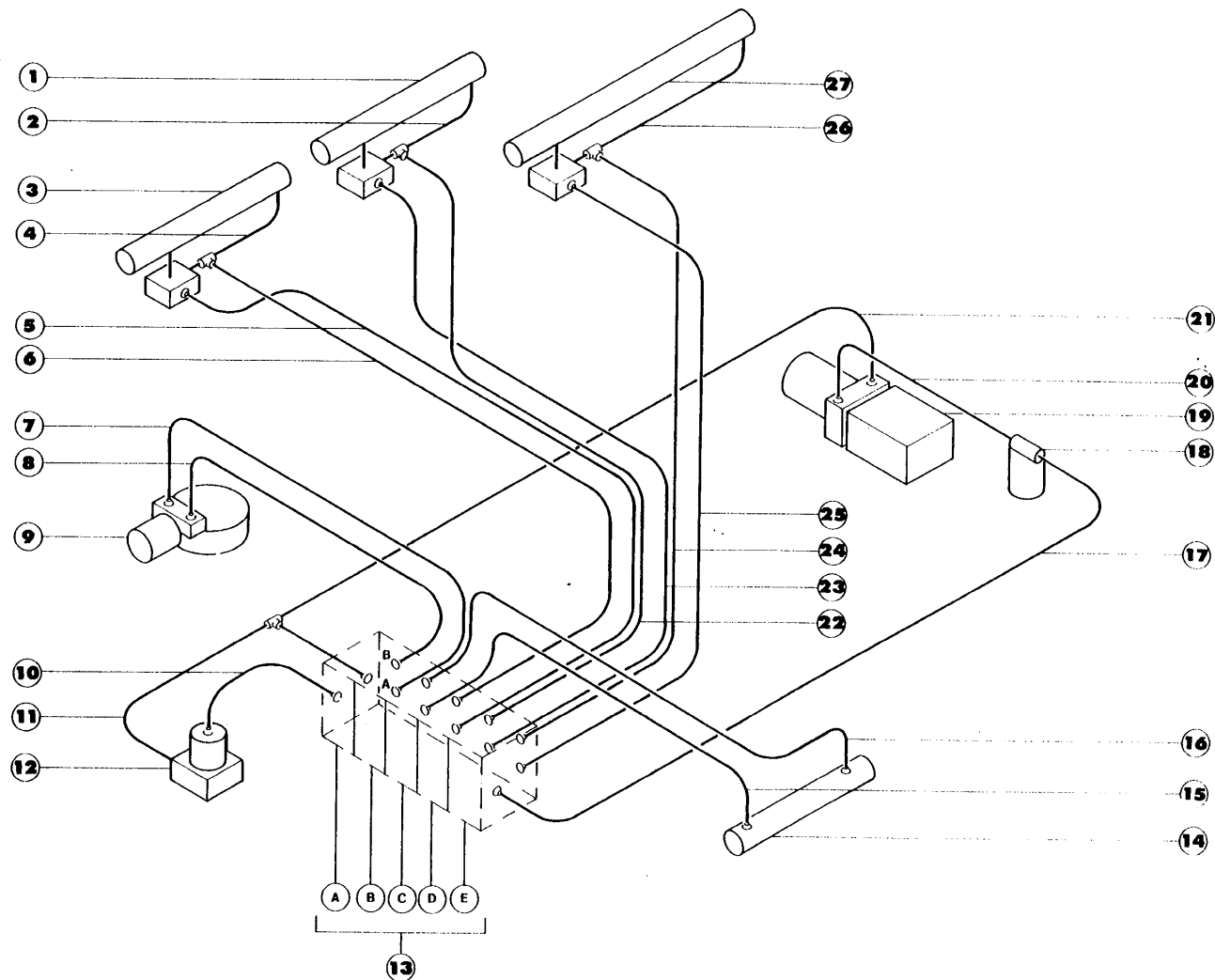




508.1 Platform Leveling System Assembly

| Item | Part No.  | Description                                                                           | Qty. |
|------|-----------|---------------------------------------------------------------------------------------|------|
| 26   | 15980GT   | CYLINDER KIT,MASTER-GENIE BOOM .....<br>Incl. Bearing, Cotter Cotter Pin and Roll Pin | 1    |
| 27   | 13756GT   | CONNECTOR,070120-4-6 .....                                                            | 1    |
| 28   | 13788GT   | HOSE ASSY-VALVE/MASTER-32.5" .....                                                    | 1    |
| 29   | 13521GT   | HYD.HOSE ASSY W/FITTINGS-29.75 .....                                                  | 1    |
| 30   | 45481GT   | VALVE,CHECK .....                                                                     | 2    |
| 31   | 13761-4GT | VALVE,MANUAL.POPPET PLAT.LEVEL .....                                                  | 1    |

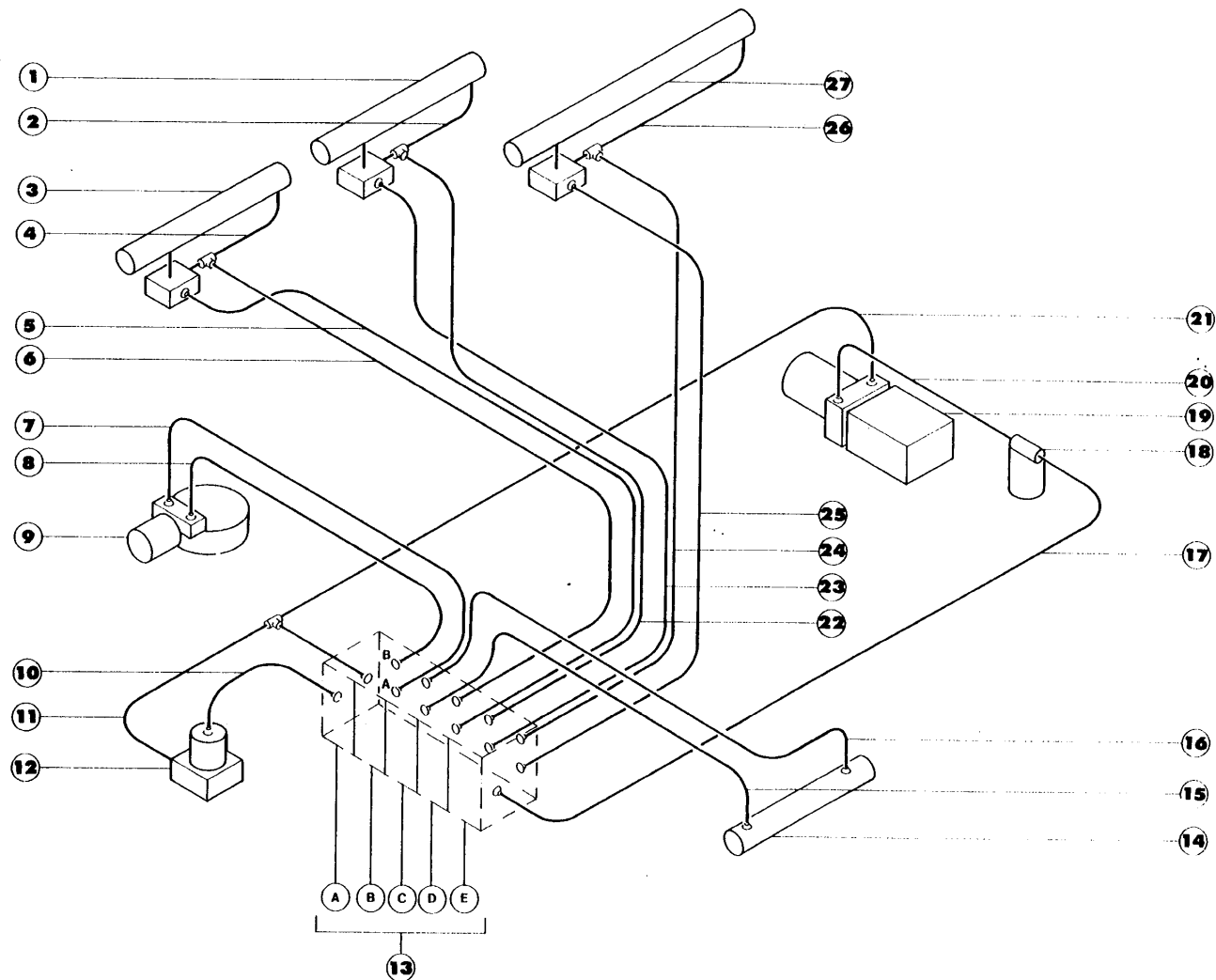
601.1 Hydraulic Hose Assembly



## 601.1 Hydraulic Hose Assembly

| Item | Part No. | Description                                       | Qty. |
|------|----------|---------------------------------------------------|------|
| 1    |          | PRIMARY LIFT CYLINDER .....<br>(refer to 403.1)   | 1    |
| 2    | 13526GT  | HOSE ASSY,LIFT CYLINDER--22" .....                | 1    |
| 3    |          | SECONDARY LIFT CYLINDER .....<br>(refer to 403.1) | 1    |
| 4    | 13526GT  | HOSE ASSY,LIFT CYLINDER--22" .....                | 1    |
| 5    | 13521GT  | HYD.HOSE ASSY W/FITTINGS-29.75 .....              | 1    |
| 6    | 13522GT  | HOSE ASSY,SEC-VB/B-P,31.5" .....                  | 1    |
| 7    | 13516GT  | HOSE ASSY-MNFLD/ROT.GEARBOX .....                 | 1    |
| 8    | 13517GT  | HOSE ASSY-MNFLD TO GEARBOX .....                  | 1    |
| 9    |          | TURNTABLE GEAR BOX .....<br>(refer to 301.1)      | 1    |
| 10   | 13577GT  | HOSE ASSY--HAND PUMP TO MNFLD .....               | 1    |
| 11   | 13576GT  | HOSE ASSY,VB-HAND PUMP,13.5" .....                | 1    |
| 12   |          | HAND PUMP .....<br>(refer to 303.1)               | 1    |
| 13   |          | HYDRAULIC VALVE BLOCK .....<br>(refer to 304.1)   | 1    |
| 13A  |          | ROTATION VALVE .....<br>(refer to 304.1)          | 1    |
| 13B  |          | STEERING VALVE .....<br>(refer to 304.1)          | 1    |
| 13C  |          | SECONDARY LIFT VALVE .....<br>(refer to 304.1)    | 1    |
| 13D  |          | PRIMARY LIFT VALVE .....<br>(refer to 304.1)      | 1    |
| 13E  |          | EXTENSION VALVE .....<br>(refer to 304.1)         | 1    |
| 14   |          | STEERING CYLINDER .....<br>(refer to 304.1)       | 1    |
| 15   | 13518GT  | HOSE ASSY,STEER.CYL-VB--65.5" .....               | 1    |
| 16   | 13518GT  | HOSE ASSY,STEER.CYL-VB--65.5" .....               | 1    |
| 17   | 13529GT  | HOSE ASSY,POWER UNIT-VB,P-25.5 .....              | 1    |
| 18   |          | FILTER ASSEMBLY .....<br>(refer to 308.1)         | 1    |
| 19   |          | HYDRAULIC POWER UNIT .....<br>(refer to 309.1)    | 1    |
| 20   | 13528GT  | HOSE ASSY,HAND PUMP-VB,---13" .....               | 1    |
| 21   | 13527GT  | HOSE ASSY,HAND PUMP-VB,32.50" .....               | 1    |
| 22   | 13520GT  | HOSE ASSY,PRI-VB/B-P,181.75" .....                | 1    |
| 23   | 13519GT  | HOSE ASSY,PRI-VB/A-V,-179.9" .....                | 1    |

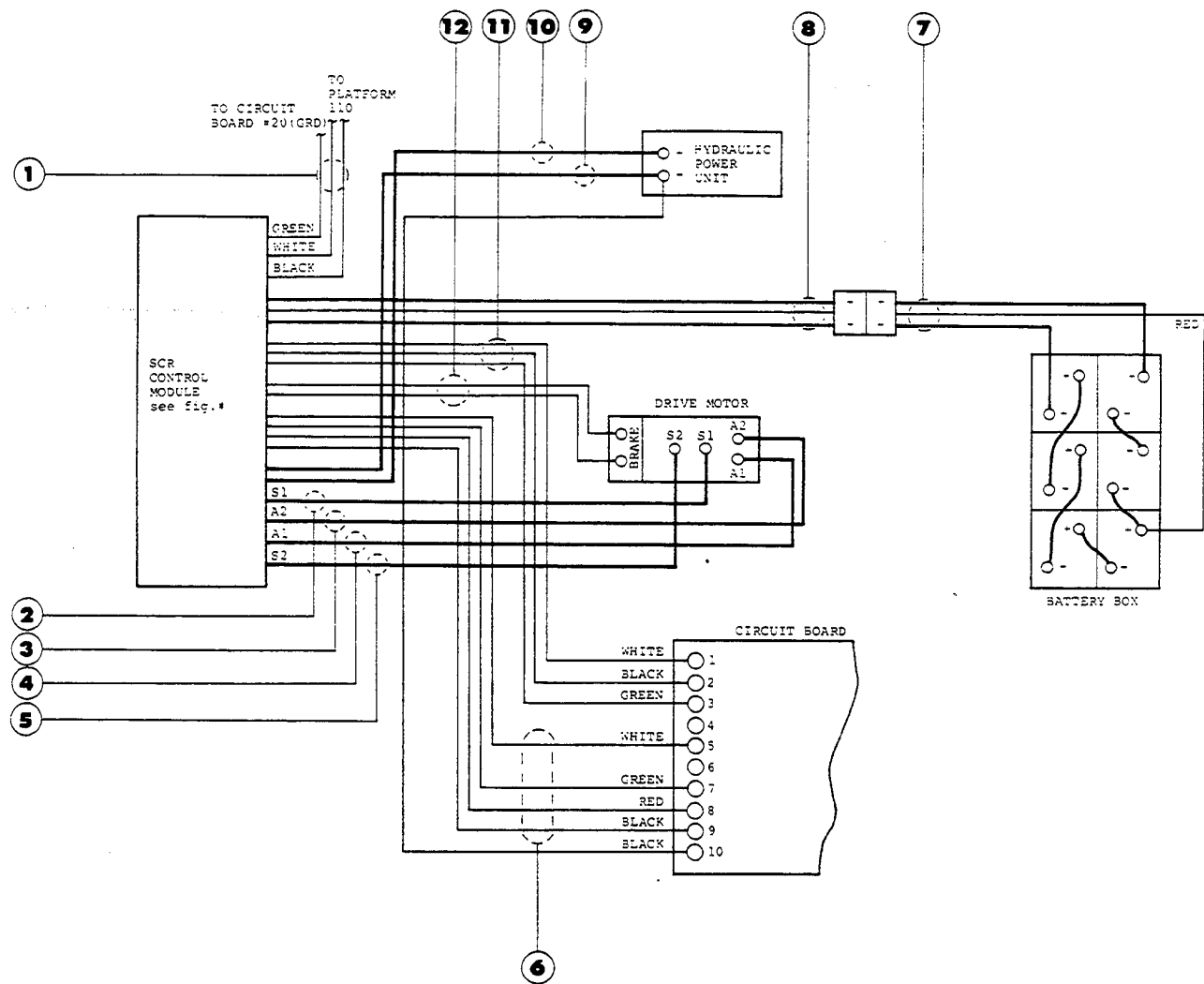
601.1 Hydraulic Hose Assembly



601.1 Hydraulic Hose Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                   | <i>Qty.</i> |
|-------------|-----------------|--------------------------------------|-------------|
| 24          | 13523GT         | HOSE ASSY,EX.RE.B,P-VBB,204.5" ..... | 1           |
| 25          | 13524GT         | HOSE ASSY,EX.RE.B,V-VBA,202.6" ..... | 1           |
| 26          | 13525GT         | HOSE ASSY,EXTENSION CYL-100.7" ..... | 1           |
| 27          |                 | EXTENSION CYLINDER .....             | 1           |
|             |                 | (refer to 403.1)                     |             |

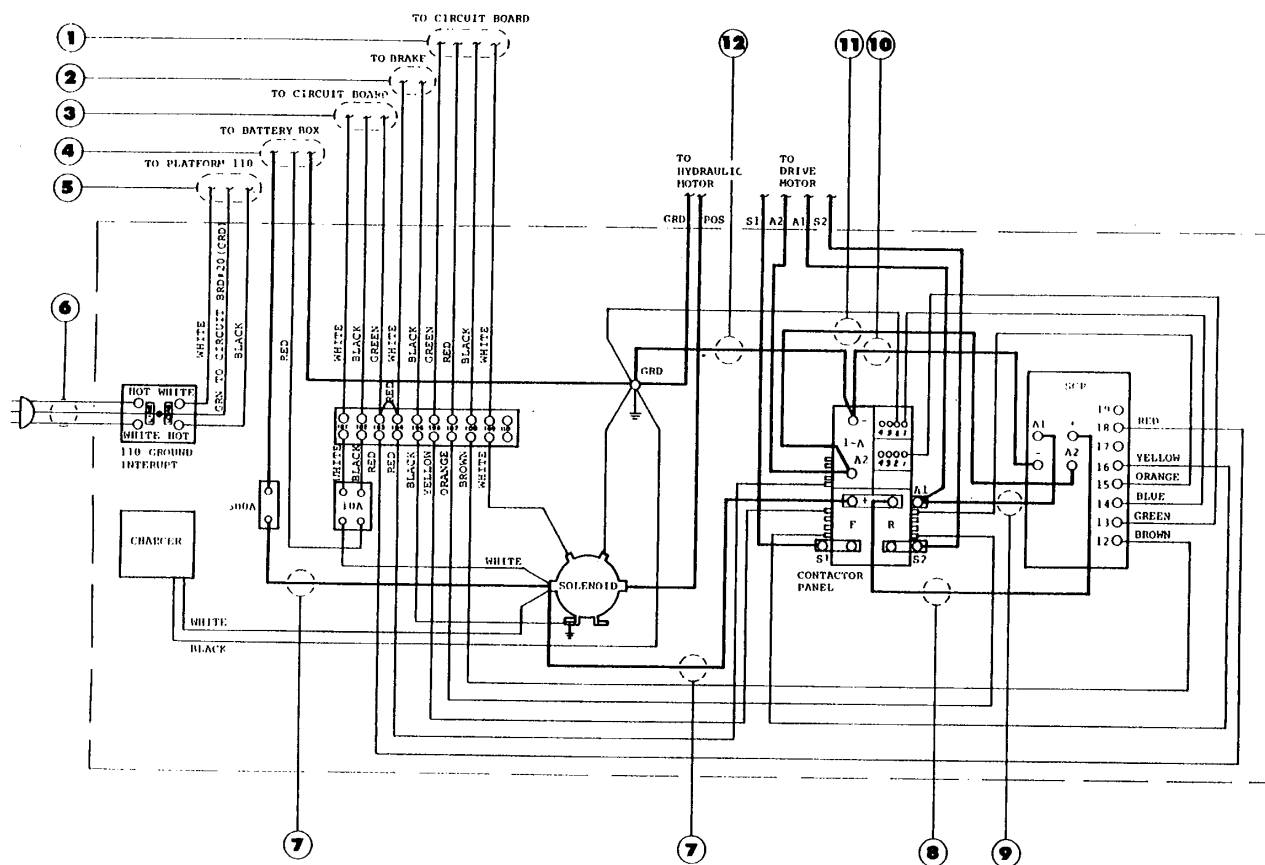
602.1 Chassis Electrical Cable and Wire Assembly



## 602.1 Chassis Electrical Cable and Wire Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                           | <i>Qty.</i> |
|-------------|-----------------|----------------------------------------------|-------------|
| 1           | 6599GT          | WIRE CABLE,14/3 SO,BULK .....                | 100         |
| 2           | 13202GT         | BATTERY CABLE ASSY-RH CAB.BUND .....         | 1           |
| 3           | 139027GT        | CABLE ASSY #4 BLK B(-)/AP-D1 .....           | 1           |
| 4           | 13200GT         | BATTERY CABLE ASSY-RH CAB.BUND .....         | 1           |
| 5           | 13203GT         | BATTERY CABLE ASSY-RH CAB.BUND .....         | 1           |
| 6           | 13204GT         | ELEC.CORD ASSY-16/4 SJO,RHBUND .....         | 1           |
| 7           | 13188GT         | BATTERY BOX POWER CORD ASSY .....            | 1           |
| 7-          | 128138GT        | CONN HOUSING SBX175, BATT .....              |             |
| 7-          | 32147GT         | TERMINAL,5/16 RING,#2 CABLE .....            |             |
| 7-          | 32148GT         | WELDING CABLE #2 BLACK .....                 | 19          |
| 7-          | 32148GT         | WELDING CABLE #2 BLACK .....                 | 14          |
| 8           |                 | SCR PWR CORD ASSY-LH CAB.BUND. (13180) ..... | 1           |
|             |                 | component no longer available                |             |
| 8-          | 128138GT        | CONN HOUSING SBX175, BATT .....              |             |
| 8-          | 32147GT         | TERMINAL,5/16 RING,#2 CABLE .....            |             |
| 8-          | 32148GT         | WELDING CABLE #2 BLACK .....                 | 168         |
| 9           | 13182GT         | BATTERY CABLE ASSY-LH CAB.BUND .....         | 1           |
| 10          | 13181GT         | BATTERY CABLE ASSY-LH CAB.BUND .....         | 1           |
| 11          | 6599GT          | WIRE CABLE,14/3 SO,BULK .....                | 98          |
| 12          | 13183GT         | ELEC.CORD ASSY,16-2 LH CAB.BUN .....         | 1           |

### 603.1 SCR Module Electrical Cable and Wire Assembly





## 603.1 SCR Module Electrical Cable and Wire Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                           | <i>Qty.</i> |
|-------------|-----------------|----------------------------------------------|-------------|
| 1           | 13204GT         | ELEC.CORD ASSY-16/4 SJO,RHBUND .....         | 1           |
| 2           | 13183GT         | ELEC.CORD ASSY,16-2 LH CAB.BUN .....         | 1           |
| 3           | 6599GT          | WIRE CABLE,14/3 SO,BULK .....                | 98          |
| 4           |                 | SCR PWR CORD ASSY-LH CAB.BUND. (13180) ..... | 1           |
|             |                 | component no longer available                |             |
| 4-          | 128138GT        | CONN HOUSING SBX175, BATT .....              |             |
| 4-          | 32147GT         | TERMINAL,5/16 RING,#2 CABLE .....            |             |
| 4-          | 32148GT         | WELDING CABLE #2 BLACK .....                 | 168         |
| 5           | 6599GT          | WIRE CABLE,14/3 SO,BULK .....                | 100         |
| 6           | 6599GT          | WIRE CABLE,14/3 SO,BULK .....                | 23          |
| 7           | 13082GT         | WELDING CABLE,#4 EXCELENE/BLK. ....          | 10          |
|             |                 | two required                                 |             |
| 7-          | 32147GT         | TERMINAL,5/16 RING,#2 CABLE .....            | 4           |
| 8           | 32148GT         | WELDING CABLE #2 BLACK .....                 | 14          |
| 8-          | 32147GT         | TERMINAL,5/16 RING,#2 CABLE .....            | 2           |
| 9           | 32148GT         | WELDING CABLE #2 BLACK .....                 | 8           |
| 9-          | 32147GT         | TERMINAL,5/16 RING,#2 CABLE .....            | 2           |
| 10          | 32148GT         | WELDING CABLE #2 BLACK .....                 | 13          |
| 10-         | 32147GT         | TERMINAL,5/16 RING,#2 CABLE .....            | 2           |
| 11          | 32148GT         | WELDING CABLE #2 BLACK .....                 | 14          |
| 11-         | 32147GT         | TERMINAL,5/16 RING,#2 CABLE .....            | 2           |
| 12          | 32148GT         | WELDING CABLE #2 BLACK .....                 | 8           |
| 12-         | 32147GT         | TERMINAL,5/16 RING,#2 CABLE .....            | 2           |

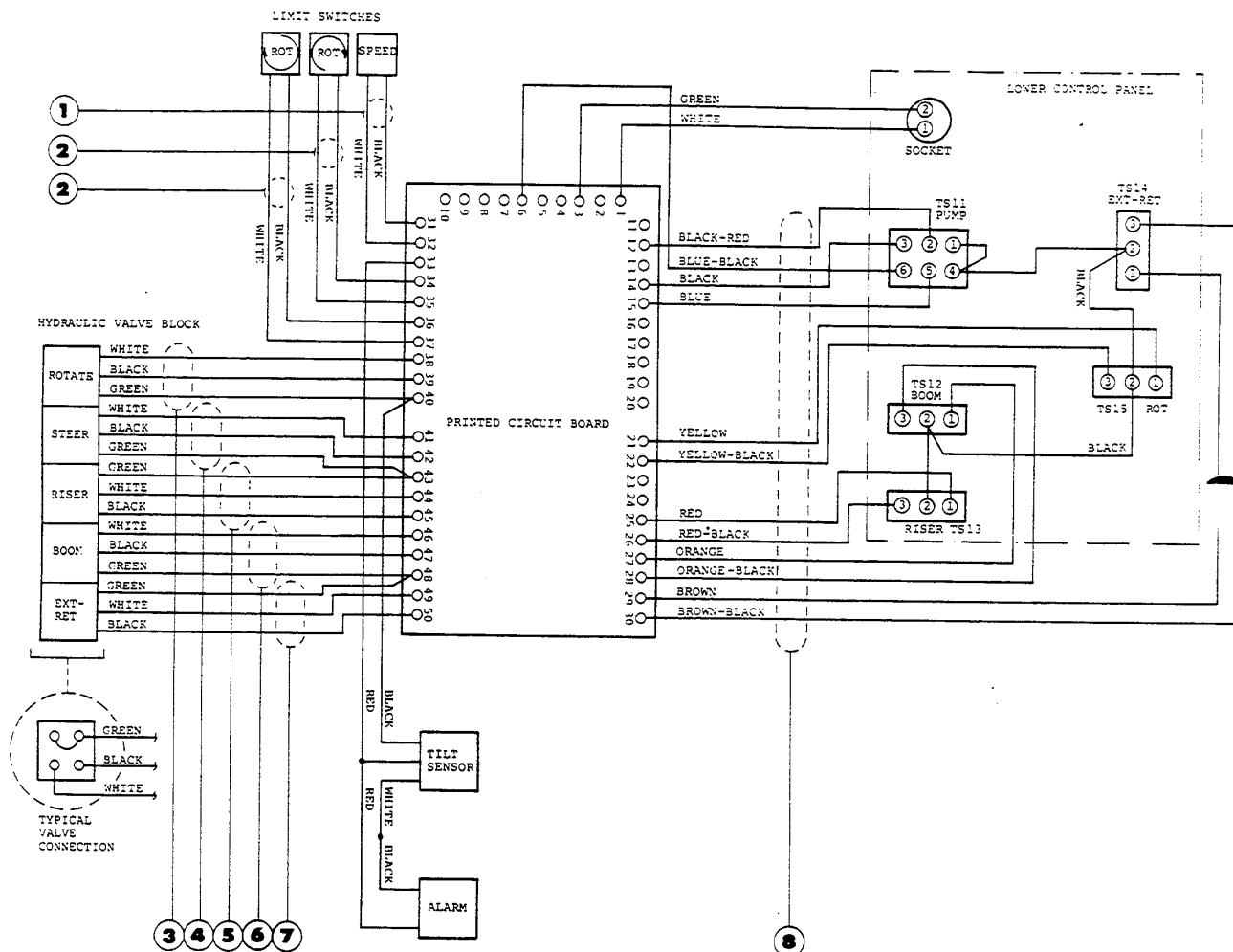
---

24



**Genie**  
A TORCO GROUP

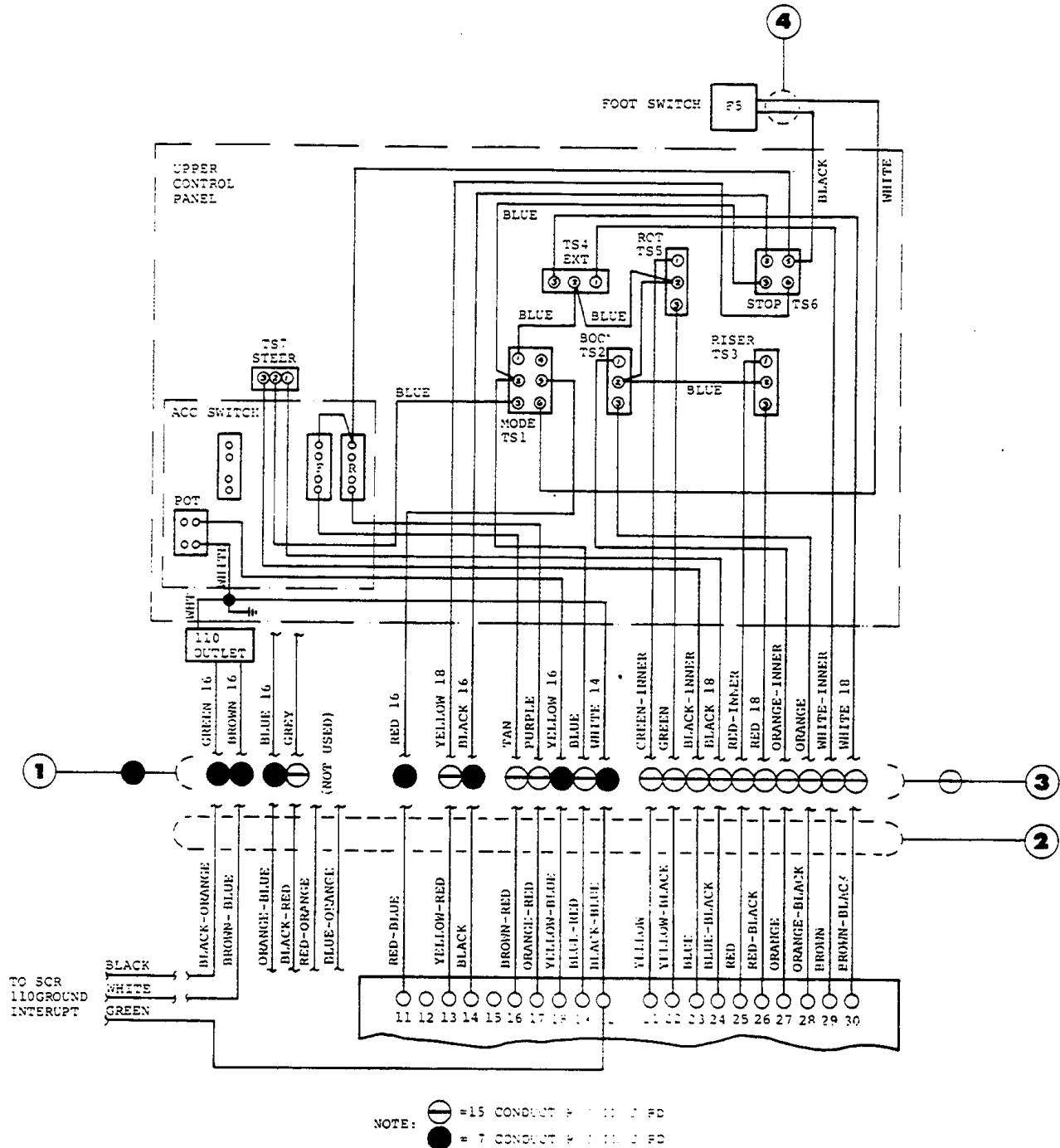
Part No. 139382GT



## 604.1 Turntable Electrical Cable and Wire Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                              | <i>Qty.</i> |
|-------------|-----------------|-----------------------------------------------------------------|-------------|
| 1           | 43958GT         | WIRE CABLE,16/2 WHT/BRN .....<br>Speed limit switch             | 66          |
| 2           | 43958GT         | WIRE CABLE,16/2 WHT/BRN .....<br>Rotate limit switch            | 18          |
| 3           | 43959GT         | WIRE CABLE,16GA/3 CON.TPE JKT .....<br>Rotation valve           | 35          |
| 4           | 43959GT         | WIRE CABLE,16GA/3 CON.TPE JKT .....<br>Steer valve              | 31          |
| 5           | 43959GT         | WIRE CABLE,16GA/3 CON.TPE JKT .....<br>Riser valve              | 29          |
| 6           | 43959GT         | WIRE CABLE,16GA/3 CON.TPE JKT .....<br>Primary boom riser valve | 25          |
| 7           | 43959GT         | WIRE CABLE,16GA/3 CON.TPE JKT .....<br>Extend/retract valve     | 20          |
| 8           | 101172GT        | WIRE CABLE,16/12 SEOW .....<br>Control box                      | 48          |

605.1 Platform Control Electrical Cable and Wire Assembly

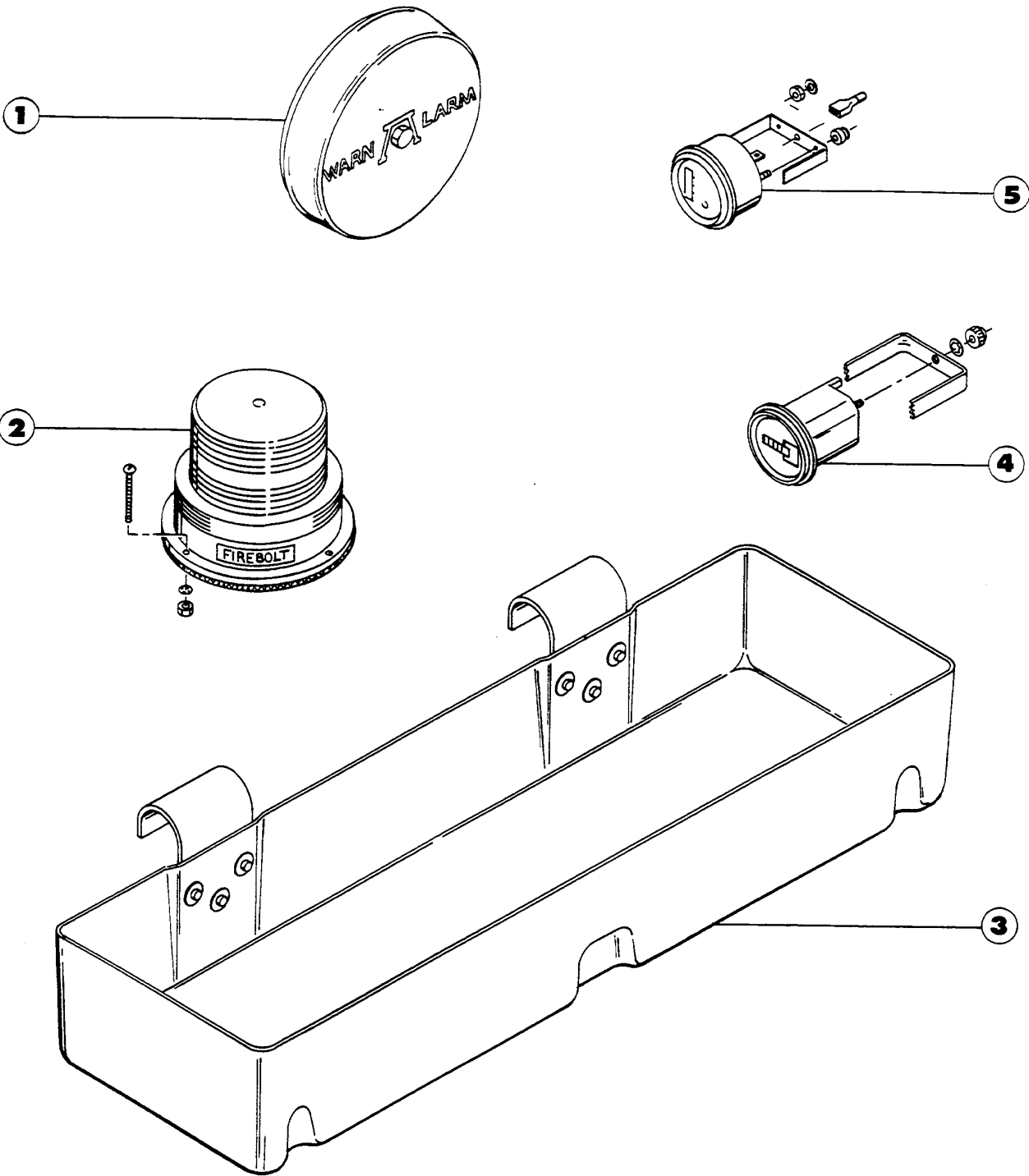


605.1 Platform Control Electrical Cable and Wire Assembly

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                   | <i>Qty.</i> |
|-------------|-----------------|--------------------------------------|-------------|
| 1           | 19802GT         | RETRO KIT,CABL TRAC Z30,300#** ..... | 1           |
| 2           | 19802GT         | RETRO KIT,CABL TRAC Z30,300#** ..... | 1           |
| 3           | 35934GT         | WIRE CABLE,18/19 CON.TPRJKT .....    | 288         |
| 4           | 19802GT         | RETRO KIT,CABL TRAC Z30,300#** ..... | 1           |



701.1 Options/Accessories



## 701.1 Options/Accessories

| <i>Item</i> | <i>Part No.</i> | <i>Description</i>                                          | <i>Qty.</i> |
|-------------|-----------------|-------------------------------------------------------------|-------------|
|             | 46970GT         | FIELD/OPT,LVI/BCI 48/36 Z-30 .....                          |             |
| 1           | 13593GT         | ALARM, MECHANICAL,MODEL #660 .....                          | 1           |
| 2           | 13600GT         | FLASHING BEACON OPTION-Z/30 .....                           | 1           |
| 2           | 56704GT         | STROBE,FIREBOLT,12-80VDC,AMB**<br>(replaced PN 20189) ..... | 1           |
| 2-          | 72282GT         | LENS,AMBER,STROBE,FIREBOLT .....                            |             |
| 2-          | 122019GT        | FLASHTUBE,U SHAPED,360DEG,BULB .....                        |             |
| 2-          | 226393GT        | FLASHTUBE,STRAIGHT,360DEG,BULB .....                        |             |
| 3           | 9599-SGT        | TOOL TRAY ACCESSORY*** .....                                | 1           |
| 4           | 13604GT         | HOUR METER ACCESSORY-Z30/20 .....                           | 1           |
| 4           | 19506GT         | HOUR METER, 10-80 VOLTS*** .....                            | 1           |
| 4           | 13098GT         | TERMINAL STRIP,10 POLE .....                                | 1           |
| 4           | 1296499GT       | DIODE, 3AMP, 200V .....                                     | 3           |
| 5           | 13605GT         | BATTERY CHARGE IND. ACCESS. ....                            | 3           |
| 5           | 13686GT         | BATTERY CHARGE INDICATOR,36V .....                          | 1           |

| <b>Part no.</b> | <b>Page Number</b>        | <b>Part no.</b> | <b>Page Number</b> | <b>Part no.</b> | <b>Page Number</b> |
|-----------------|---------------------------|-----------------|--------------------|-----------------|--------------------|
| 1544GT          | 107                       | 6833GT          | 47, 79, 89, 99     | 12335GT         | 11, 13             |
| 1569-387GT      | 79, 91                    | 6873GT          | 17                 | 12336GT         | 13                 |
| 4513GT          | 51                        | 6884GT          | 99                 | 12340GT         | 85                 |
| 4828GT          | 15, 19, 29, 33, 41, 51... | 6886GT          | 27, 29             | 12343GT         | 113                |
| 5167GT          | 101                       | 6888GT          | 71, 89, 99, 105    | 12344GT         | 17, 61             |
| 5224GT          | 15, 19, 79, 81            | 6935GT          | 107                | 12346GT         | 63, 89, 95, 107    |
| 5361GT          | 31, 83                    | 6950GT          | 53, 67             | 12347GT         | 35                 |
| 6002GT          | 19                        | 6974GT          | 67                 | 12348GT         | 17, 61             |
| 6019GT          | 27, 29                    | 6994GT          | 53                 | 12385GT         | 11                 |
| 6021GT          | 27, 57, 81, 99            | 6995GT          | 53                 | 12441GT         | 11, 103            |
| 6024GT          | 15, 51                    | 7056GT          | 57, 61, 75, 107    | 12443GT         | 101, 105           |
| 6037GT          | 35                        | 7104GT          | 83                 | 12444GT         | 13, 63             |
| 6073GT          | 39                        | 7265GT          | 105                | 12445GT         | 13, 63             |
| 6086GT          | 111                       | 7266GT          | 105                | 12458GT         | 99                 |
| 6090GT          | 17, 19, 35, 47, 51, 63... | 8179GT          | 51, 55             | 12460GT         | 49, 51             |
| 6091GT          | 17, 19, 35, 47, 51, 55... | 8514GT          | 83, 111            | 12461GT         | 15, 31             |
| 6095GT          | 71                        | 8516GT          | 15, 99             | 12463GT         | 11                 |
| 6096GT          | 51                        | 8721GT          | 67                 | 12515GT         | 13                 |
| 6097GT          | 17, 53, 99                | 8747GT          | 67                 | 12545GT         | 13                 |
| 6115GT          | 99                        | 8765GT          | 11                 | 12554GT         | 97                 |
| 6145GT          | 85, 113                   | 8915GT          | 51, 83, 103        | 12594GT         | 11                 |
| 6175GT          | 53                        | 8920GT          | 63, 105            | 12725GT         | 11, 13             |
| 6178GT          | 17, 51                    | 9266GT          | 79, 83             | 12873GT         | 27, 41, 101        |
| 6179GT          | 53, 61                    | 9599-SGT        | 129                | 12875GT         | 43, 71             |
| 6198GT          | 15, 27, 29, 31, 39, 41... | 10255GT         | 15                 | 12877GT         | 35                 |
| 6271GT          | 17, 35, 53, 79, 99        | 10355GT         | 65                 | 12878GT         | 17                 |
| 6272GT          | 35                        | 10356GT         | 53, 65             | 12884GT         | 71                 |
| 6356GT          | 35, 53, 63, 65, 81, 99... | 10665GT         | 111                | 12886GT         | 71                 |
| 6550GT          | 101, 105                  | 11697GT         | 17, 83, 99         | 12888GT         | 95                 |
| 6595GT          | 19                        | 11857GT         | 11, 13             | 12889GT         | 99                 |
| 6599GT          | 121, 123                  | 12214GT         | 13                 | 12890GT         | 103                |
| 6600GT          | 53                        | 12215GT         | 11                 | 12891GT         | 101                |
| 6605GT          | 33                        | 12216GT         | 11                 | 12892GT         | 95                 |
| 6606GT          | 51                        | 12218GT         | 11                 | 12893GT         | 63                 |
| 6622GT          | 17, 63, 81, 95            | 12220GT         | 11                 | 12900GT         | 111                |
| 6637GT          | 51, 61                    | 12234GT         | 11                 | 12901GT         | 15                 |
| 6638GT          | 47, 71, 83, 99, 101, 105  | 12245GT         | 11, 13             | 12906GT         | 105                |
| 6647GT          | 55, 85, 113               | 12255GT         | 11                 | 12953GT         | 11                 |
| 6653GT          | 53                        | 12331GT         | 13                 | 12960GT         | 107                |
| 6708GT          | 101                       | 12332GT         | 13                 | 12962GT         | 11                 |
| 6830GT          | 19                        | 12333GT         | 11                 | 13000GT         | 27                 |
| 6832GT          | 77                        | 12334GT         | 13                 | 13001GT         | 83                 |



| <u>Part no.</u> | <u>Page Number</u> | <u>Part no.</u> | <u>Page Number</u> | <u>Part no.</u> | <u>Page Number</u> |
|-----------------|--------------------|-----------------|--------------------|-----------------|--------------------|
| 13002GT         | 19, 29, 35, 111    | 13062GT         | 29                 | 13080-9GT       | 23                 |
| 13003GT         | 51                 | 13063-1GT       | 49                 | 13080-10GT      | 23                 |
| 13004GT         | 15                 | 13063-2GT       | 49                 | 13080GT         | 19, 23             |
| 13006-SGT       | 35                 | 13063-3GT       | 49                 | 13081-1GT       | 25                 |
| 13006GT         | 35                 | 13063-4GT       | 49                 | 13081-2GT       | 25                 |
| 13007-1GT       | 67                 | 13063-5GT       | 49                 | 13081-3GT       | 25                 |
| 13007-2GT       | 67                 | 13063-6GT       | 49                 | 13081-4GT       | 25                 |
| 13007-14GT      | 53, 67             | 13063-7GT       | 49                 | 13081-5GT       | 25                 |
| 13007GT         | 53                 | 13063-8GT       | 49                 | 13081-6GT       | 25                 |
| 13008-1GT       | 21                 | 13063-9GT       | 49                 | 13081-7GT       | 25                 |
| 13008-2GT       | 21                 | 13063-10GT      | 49                 | 13081-8GT       | 25                 |
| 13008-3GT       | 21                 | 13063-11GT      | 49                 | 13081GT         | 19                 |
| 13008-6GT       | 21                 | 13063-12GT      | 49                 | 13082GT         | 123                |
| 13009GT         | 79, 81, 91         | 13063-13GT      | 49                 | 13084GT         | 59, 73             |
| 13012GT         | 33, 79, 81         | 13063GT         | 49                 | 13086GT         | 49                 |
| 13014GT         | 83                 | 13064GT         | 15, 51             | 13089GT         | 97                 |
| 13015GT         | 29, 41             | 13065GT         | 15                 | 13090GT         | 101                |
| 13016GT         | 27, 97             | 13066GT         | 15                 | 13091GT         | 95, 107            |
| 13018GT         | 85, 113            | 13067GT         | 49                 | 13092GT         | 61                 |
| 13037-SGT       | 63, 95, 107        | 13068GT         | 101                | 13094GT         | 97                 |
| 13038-SGT       | 95, 107            | 13069GT         | 99                 | 13095GT         | 61                 |
| 13039-1GT       | 97, 107            | 13071GT         | 31, 37             | 13096GT         | 17                 |
| 13039-2GT       | 97                 | 13072GT         | 31                 | 13097GT         | 17                 |
| 13039-3GT       | 97                 | 13073-1GT       | 31                 | 13098GT         | 17, 129            |
| 13039GT         | 97                 | 13073-3GT       | 31                 | 13099GT         | 73                 |
| 13040GT         | 97                 | 13073-4GT       | 31                 | 13100GT         | 59, 73             |
| 13043GT         | 27                 | 13073-5GT       | 31                 | 13103GT         | 51                 |
| 13045GT         | 27, 31             | 13073-6GT       | 31                 | 13104GT         | 17                 |
| 13046GT         | 27, 31             | 13073-7GT       | 31                 | 13107GT         | 57                 |
| 13047GT         | 27, 37             | 13073-8GT       | 31                 | 13108GT         | 65                 |
| 13049GT         | 27, 41             | 13073-9GT       | 31                 | 13112GT         | 57, 75, 77         |
| 13050GT         | 27, 41             | 13073-10GT      | 31                 | 13113GT         | 85, 113            |
| 13051GT         | 27, 41             | 13073-11GT      | 31                 | 13114GT         | 31                 |
| 13052GT         | 27                 | 13078GT         | 31, 85             | 13115GT         | 53                 |
| 13054-1GT       | 29                 | 13079GT         | 33                 | 13117GT         | 65                 |
| 13054-2GT       | 29                 | 13080-1GT       | 23                 | 13119GT         | 57, 75, 77         |
| 13056GT         | 27, 41             | 13080-2GT       | 23                 | 13120GT         | 55, 57             |
| 13057GT         | 27                 | 13080-3GT       | 23                 | 13121GT         | 53                 |
| 13058GT         | 27                 | 13080-4GT       | 23                 | 13123GT         | 57, 75, 77         |
| 13060-1GT       | 27                 | 13080-6GT       | 23                 | 13181GT         | 121                |
| 13060GT         | 27                 | 13080-7GT       | 23                 | 13182GT         | 121                |
| 13062-1GT       | 29                 | 13080-8GT       | 23                 | 13183GT         | 45, 121, 123       |

| <b>Part no.</b> | <b>Page Number</b> | <b>Part no.</b> | <b>Page Number</b> | <b>Part no.</b> | <b>Page Number</b> |
|-----------------|--------------------|-----------------|--------------------|-----------------|--------------------|
| 13188GT         | 35, 121            | 13409GT         | 17                 | 13527GT         | 117                |
| 13191GT         | 35                 | 13410GT         | 35                 | 13528GT         | 117                |
| 13192GT         | 35                 | 13413GT         | 79, 81             | 13529GT         | 117                |
| 13193GT         | 35                 | 13417GT         | 95                 | 13538GT         | 35                 |
| 13200GT         | 121                | 13422GT         | 65                 | 13541GT         | 15                 |
| 13202GT         | 121                | 13424GT         | 15                 | 13561GT         | 99                 |
| 13203GT         | 121                | 13430GT         | 61                 | 13563GT         | 99                 |
| 13204GT         | 121, 123           | 13431GT         | 101                | 13572GT         | 53                 |
| 13211GT         | 59                 | 13432GT         | 101                | 13576GT         | 117                |
| 13220GT         | 51                 | 13439GT         | 101                | 13577GT         | 117                |
| 13221GT         | 53                 | 13444GT         | 81                 | 13581GT         | 99, 103            |
| 13222-2GT       | 75, 77             | 13445GT         | 83                 | 13585GT         | 17                 |
| 13222-4GT       | 77                 | 13450GT         | 81                 | 13586GT         | 17                 |
| 13222GT         | 51, 75, 77         | 13454GT         | 101                | 13587GT         | 17                 |
| 13231GT         | 85, 113            | 13456GT         | 99                 | 13590GT         | 83                 |
| 13233GT         | 79                 | 13470GT         | 57                 | 13593GT         | 129                |
| 13234GT         | 17                 | 13471GT         | 95, 109            | 13598GT         | 27, 41             |
| 13247GT         | 101                | 13475GT         | 17                 | 13600GT         | 129                |
| 13267GT         | 95, 107            | 13477GT         | 95                 | 13604GT         | 129                |
| 13268GT         | 47, 79, 81         | 13480-SGT       | 63                 | 13605GT         | 129                |
| 13317GT         | 79                 | 13481GT         | 71                 | 13610GT         | 111                |
| 13318GT         | 81, 91             | 13482GT         | 103                | 13612GT         | 111                |
| 13319GT         | 79, 81             | 13486GT         | 81                 | 13614GT         | 111                |
| 13324GT         | 29, 41             | 13496GT         | 79                 | 13615GT         | 89, 111, 113       |
| 13328GT         | 29                 | 13497GT         | 57                 | 13624PGT        | 35                 |
| 13340GT         | 83                 | 13503GT         | 15                 | 13625GT         | 35                 |
| 13341GT         | 83                 | 13507GT         | 71                 | 13630GT         | 89                 |
| 13343GT         | 51                 | 13508GT         | 71                 | 13635-1GT       | 37                 |
| 13346GT         | 83                 | 13509GT         | 71                 | 13635-3GT       | 37                 |
| 13349GT         | 29                 | 13511GT         | 63                 | 13635-4GT       | 37                 |
| 13351GT         | 81                 | 13512GT         | 63                 | 13635-5GT       | 37                 |
| 13352GT         | 81                 | 13516GT         | 117                | 13635-6GT       | 37                 |
| 13353GT         | 81                 | 13517GT         | 117                | 13635-6PGT      | 31                 |
| 13360GT         | 33                 | 13518GT         | 117                | 13635GT         | 37                 |
| 13365GT         | 31                 | 13519GT         | 113, 117           | 13642GT         | 37                 |
| 13366GT         | 33, 37             | 13520GT         | 113, 117           | 13643GT         | 37                 |
| 13369GT         | 101                | 13521GT         | 43, 115, 117       | 13649GT         | 85                 |
| 13371GT         | 101                | 13522GT         | 117                | 13677PGT        | 105                |
| 13372GT         | 99                 | 13523GT         | 119                | 13681GT         | 111                |
| 13373GT         | 83                 | 13524GT         | 119                | 13682GT         | 105                |
| 13391GT         | 79                 | 13525GT         | 119                | 13685GT         | 113                |
| 13408GT         | 81                 | 13526GT         | 117                | 13686GT         | 129                |

| <b>Part no.</b> | <b>Page Number</b>  | <b>Part no.</b> | <b>Page Number</b> | <b>Part no.</b> | <b>Page Number</b> |
|-----------------|---------------------|-----------------|--------------------|-----------------|--------------------|
| 13693GT         | 105                 | 13825GT         | 45, 107            | 13996GT         | 83                 |
| 13695GT         | 105                 | 13826GT         | 45                 | 13998-2GT       | 67                 |
| 13701GT         | 105                 | 13830GT         | 113                | 13998-3GT       | 67                 |
| 13705GT         | 89                  | 13840GT         | 105                | 14723GT         | 41                 |
| 13706GT         | 89                  | 13845GT         | 37                 | 15513GT         | 67, 69             |
| 13707GT         | 89                  | 13846GT         | 37                 | 15621GT         | 107                |
| 13708GT         | 111                 | 13848GT         | 89                 | 15622GT         | 41                 |
| 13713GT         | 89                  | 13852GT         | 113                | 15623GT         | 105                |
| 13714PGT        | 89                  | 13854GT         | 41                 | 15935GT         | 55                 |
| 13715GT         | 89                  | 13856GT         | 107                | 15980GT         | 93, 115            |
| 13721GT         | 89                  | 13859GT         | 105                | 16063GT         | 11, 63             |
| 13729-PROGT     | 83                  | 13861GT         | 63                 | 16064GT         | 107                |
| 13732GT         | 31                  | 13869GT         | 111                | 16145GT         | 45                 |
| 13734GT         | 37                  | 13873GT         | 41                 | 16146GT         | 45                 |
| 13741GT         | 89                  | 13873PGT        | 27                 | 16252GT         | 113                |
| 13745GT         | 31, 37              | 13874GT         | 41                 | 16254GT         | 113                |
| 13748GT         | 37                  | 13876-1GT       | 41, 49             | 16257GT         | 17                 |
| 13749GT         | 37                  | 13876GT         | 41                 | 16397-SGT       | 107                |
| 13751GT         | 31, 37              | 13877GT         | 41                 | 16427GT         | 93, 113            |
| 13752GT         | 37                  | 13879GT         | 45                 | 16575GT         | 11, 107            |
| 13753GT         | 37                  | 13883GT         | 47                 | 16576PGT        | 107                |
| 13755GT         | 43, 45, 75, 77, 113 | 13887GT         | 95                 | 16577PGT        | 107                |
| 13756GT         | 115                 | 13895GT         | 41                 | 16589GT         | 113                |
| 13757GT         | 113                 | 13898GT         | 41                 | 16591GT         | 111                |
| 13761-4GT       | 115                 | 13902GT         | 45                 | 16592GT         | 111                |
| 13761GT         | 113                 | 13909GT         | 47                 | 16624GT         | 93                 |
| 13770GT         | 37                  | 13912GT         | 41                 | 16660GT         | 67                 |
| 13775GT         | 89, 111             | 13914GT         | 41                 | 16661GT         | 67                 |
| 13779GT         | 89                  | 13915GT         | 43                 | 16890GT         | 49                 |
| 13781GT         | 111                 | 13916GT         | 47                 | 16892-1GT       | 49                 |
| 13782GT         | 111                 | 13917PGT        | 47                 | 16892GT         | 49                 |
| 13783GT         | 111, 113            | 13918GT         | 41                 | 16907-1GT       | 49, 75             |
| 13787GT         | 113                 | 13920GT         | 43                 | 16907GT         | 49                 |
| 13788GT         | 113, 115            | 13921GT         | 43, 45             | 16997GT         | 113                |
| 13789GT         | 113                 | 13922GT         | 43, 45             | 17517PGT        | 49                 |
| 13798GT         | 95, 107             | 13928GT         | 21                 | 17560GT         | 67                 |
| 13799GT         | 113                 | 13930GT         | 63                 | 17649GT         | 67, 69             |
| 13802GT         | 107                 | 13951PGT        | 29                 | 17667GT         | 21                 |
| 13803GT         | 107                 | 13976GT         | 17                 | 17668GT         | 21                 |
| 13804GT         | 89                  | 13983GT         | 11, 107            | 17669GT         | 21                 |
| 13814GT         | 81                  | 13984GT         | 41                 | 17670GT         | 21                 |
| 13822GT         | 29, 41              | 13985GT         | 41                 | 17803GT         | 11                 |

| <b>Part no.</b> | <b>Page Number</b> | <b>Part no.</b> | <b>Page Number</b> | <b>Part no.</b> | <b>Page Number</b>        |
|-----------------|--------------------|-----------------|--------------------|-----------------|---------------------------|
| 17804GT         | 11                 | 31153GT         | 95, 107            | 49801GT         | 105                       |
| 17805GT         | 11                 | 31331GT         | 45                 | 52307GT         | 69                        |
| 17850GT         | 45, 99             | 32147GT         | 35, 121, 123       | 53819GT         | 105                       |
| 17946GT         | 45                 | 32148GT         | 35, 121, 123       | 56704GT         | 129                       |
| 17993GT         | 67                 | 33681GT         | 57                 | 57881GT         | 35                        |
| 18078GT         | 21                 | 35091GT         | 29                 | 58220GT         | 45                        |
| 19052GT         | 11                 | 35092GT         | 27                 | 58221GT         | 45                        |
| 19162GT         | 45                 | 35108GT         | 105                | 65780GT         | 69                        |
| 19187GT         | 55                 | 35682GT         | 29                 | 66717GT         | 17                        |
| 19331GT         | 111                | 35831GT         | 111                | 72282GT         | 129                       |
| 19366GT         | 29                 | 35934GT         | 127                | 72321GT         | 67                        |
| 19367GT         | 29                 | 38155GT         | 69                 | 77046GT         | 11                        |
| 19368GT         | 29                 | 38160GT         | 69                 | 77051GT         | 15                        |
| 19388GT         | 29                 | 38161GT         | 69                 | 77692GT         | 17, 19, 51, 53, 65, 81... |
| 19440GT         | 31                 | 40186GT         | 69                 | 88356-127J5GT   | 53, 61                    |
| 19506GT         | 129                | 40318GT         | 69                 | 94195GT         | 41, 81, 95, 99            |
| 19531GT         | 21                 | 40401GT         | 69                 | 101172GT        | 125                       |
| 19533GT         | 21                 | 43958GT         | 125                | 117234GT        | 15                        |
| 19802GT         | 79, 127            | 43959GT         | 125                | 122019GT        | 129                       |
| 19900GT         | 49                 | 44586GT         | 51                 | 128138GT        | 35, 121, 123              |
| 19919GT         | 41                 | 44788GT         | 65                 | 139027GT        | 121                       |
| 19968GT         | 113                | 44794GT         | 69                 | 139451GT        | 105                       |
| 20262GT         | 103                | 44796GT         | 69                 | 146164GT        | 57, 75, 77                |
| 20494GT         | 27, 43             | 45087GT         | 65                 | 223763GT        | 77                        |
| 20548GT         | 47                 | 45401GT         | 13                 | 226393GT        | 129                       |
| 20576GT         | 47                 | 45402GT         | 13                 | 1273325GT       | 17, 21                    |
| 20921GT         | 37                 | 45403GT         | 13                 | 1296499GT       | 59, 73, 129               |
| 21138GT         | 65                 | 45404GT         | 13                 | T107819GT       | 89                        |
| 21306GT         | 57                 | 45481GT         | 115                |                 |                           |
| 21542GT         | 45                 | 45844GT         | 21                 |                 |                           |
| 22036GT         | 111                | 45914GT         | 77                 |                 |                           |
| 22232GT         | 11                 | 45915GT         | 77                 |                 |                           |
| 22881GT         | 37                 | 46234GT         | 69                 |                 |                           |
| 23154-SGT       | 31                 | 46239GT         | 69                 |                 |                           |
| 23482GT         | 79                 | 46241GT         | 69                 |                 |                           |
| 23618GT         | 67                 | 46246GT         | 69                 |                 |                           |
| 24469GT         | 45                 | 46341GT         | 21                 |                 |                           |
| 27262GT         | 21                 | 46970GT         | 129                |                 |                           |
| 27837GT         | 113                | 49326GT         | 85                 |                 |                           |
| 28443GT         | 83                 | 49327GT         | 93                 |                 |                           |
| 29223GT         | 111                | 49328GT         | 85                 |                 |                           |
| 29764GT         | 111                | 49329GT         | 85                 |                 |                           |



California Proposition 65



**WARNING**

Operating, servicing and maintaining this equipment, passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. These chemicals can be emitted from or contained in other various parts and systems, fluids and some component wear by-products. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your equipment and vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your equipment or vehicle and after operation. For more information go to [www.P65Warnings.ca.gov/passenger-vehicle](http://www.P65Warnings.ca.gov/passenger-vehicle).

Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information go to [www.P65warnings.ca.gov/diesel](http://www.P65warnings.ca.gov/diesel).