



# ***Parts Manual***

Serial Number Range

***Z-25/8***

***Z-20/8***

***Z-20/8N***

Part No. 41315

Rev C17

October 2013

## 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.

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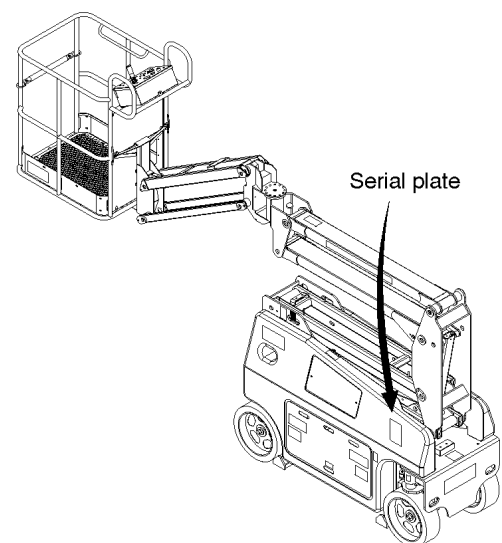
# Genie Z-20/8<sup>N</sup>

- ☐ Model: Z-20/8 N
- ☐ Unladen weight: 10,750 lbs / 4,876 kg
- ☐ Serial number:
- ☐ Manufacture date:                      Model year:
- ☐ Power supply voltage: 48V DC
- ☐ Electrical schematic number:
- ☐ Maximum load: 440 lbs / 200 kg
- ☐ Maximum occupants: 2
- ☐ Occupants and equipment must not exceed: 440 lbs / 200 kg
- ☐ Maximum platform height: 20 feet / 6.1 meters
- ☐ Maximum horizontal reach: 8 feet 8 inches / 2.6 meters
- ☐ Maximum allowable incline of machine when boom is raised: 3 degrees
- ☐ Maximum allowable wind speed: 28 mph / 12.5 m/s / 45 km/h
- ☐ Maximum allowable side force on platform: 90 lbs / 400 N
- ☐ This machine is manufactured to comply with the latest issues of ANSI A92.5 and CAN B.354.4

44241 D

Made in the U.S.A.

**Teres South Dakota, Inc.**  
18340 N.E. 76th Street, Redmond, WA 98052, USA



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This manual is updated frequently. If you have a printed manual, you can keep it up to date by downloading new figures from the Genie website at [www.genielift.com](http://www.genielift.com). For the most up-to-date parts information, visit the Parts Lookup System on the Genie website at [www.genielift.com](http://www.genielift.com).

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Notes

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## Required Parts

The following parts are required to perform maintenance procedures as outlined in the *Genie Z-25/8, Z-20/8 and Z-20/8N Service Manual*.

### Z-25/8 Models (before serial number 212):

| Description           | Part No. |
|-----------------------|----------|
| Hydraulic Filter..... | 44788    |
| Cotter Pin.....       | 42079    |

### Z-25/8 Models (after serial number 211):

| Description           | Part No. |
|-----------------------|----------|
| Hydraulic Filter..... | 58995    |
| Cotter Pin.....       | 42079    |

### Z-20/8 Models (before serial number 122):

| Description           | Part No. |
|-----------------------|----------|
| Hydraulic Filter..... | 44788    |
| Cotter Pin.....       | 42079    |

### Z-20/8 Models (after serial number 111):

| Description           | Part No. |
|-----------------------|----------|
| Hydraulic Filter..... | 58995    |
| Cotter Pin.....       | 42079    |

### Z-20/8N Models (before serial number 896):

| Description           | Part No. |
|-----------------------|----------|
| Hydraulic Filter..... | 44788    |
| Cotter Pin.....       | 42079    |

### Z-20/8N Models (after serial number 895):

| Description           | Part No. |
|-----------------------|----------|
| Hydraulic Filter..... | 58995    |
| Cotter Pin.....       | 42079    |

## 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-25/8, Z-20/8 and Z-20/8N<br>Operator's Manual ..... | 41313    |
| Genie Z-25/8, Z-20/8 and Z-20/8N<br>Service Manual.....     | 41314    |
| EMI Safety Manual .....                                     | 27581    |
| Manual of Responsibilities<br>ANSI A92.5 .....              | 31779    |

## 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.

### North America

Telephone (425) 556-6551  
Toll Free (877) 367-5606 in U.S.A. and Canada  
Fax (425) 556-8659  
Toll Free Fax (888) 274-6192

### Europe

Parts Telephone (31) (165) 519 313  
Parts Fax (31) (165) 511 148

### Australia

Parts Telephone (61) (7) 3456 4444  
Parts Fax (61) (7) 3456 4466

### South America

Parts Telephone (55) (11) 4082 5600  
Parts Fax (55) (11) 4082 5630

## Machine Information

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Model

---

Serial Number

---

Date of Purchase

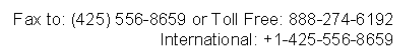
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Authorized Genie Distributor

---

Phone Number





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

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

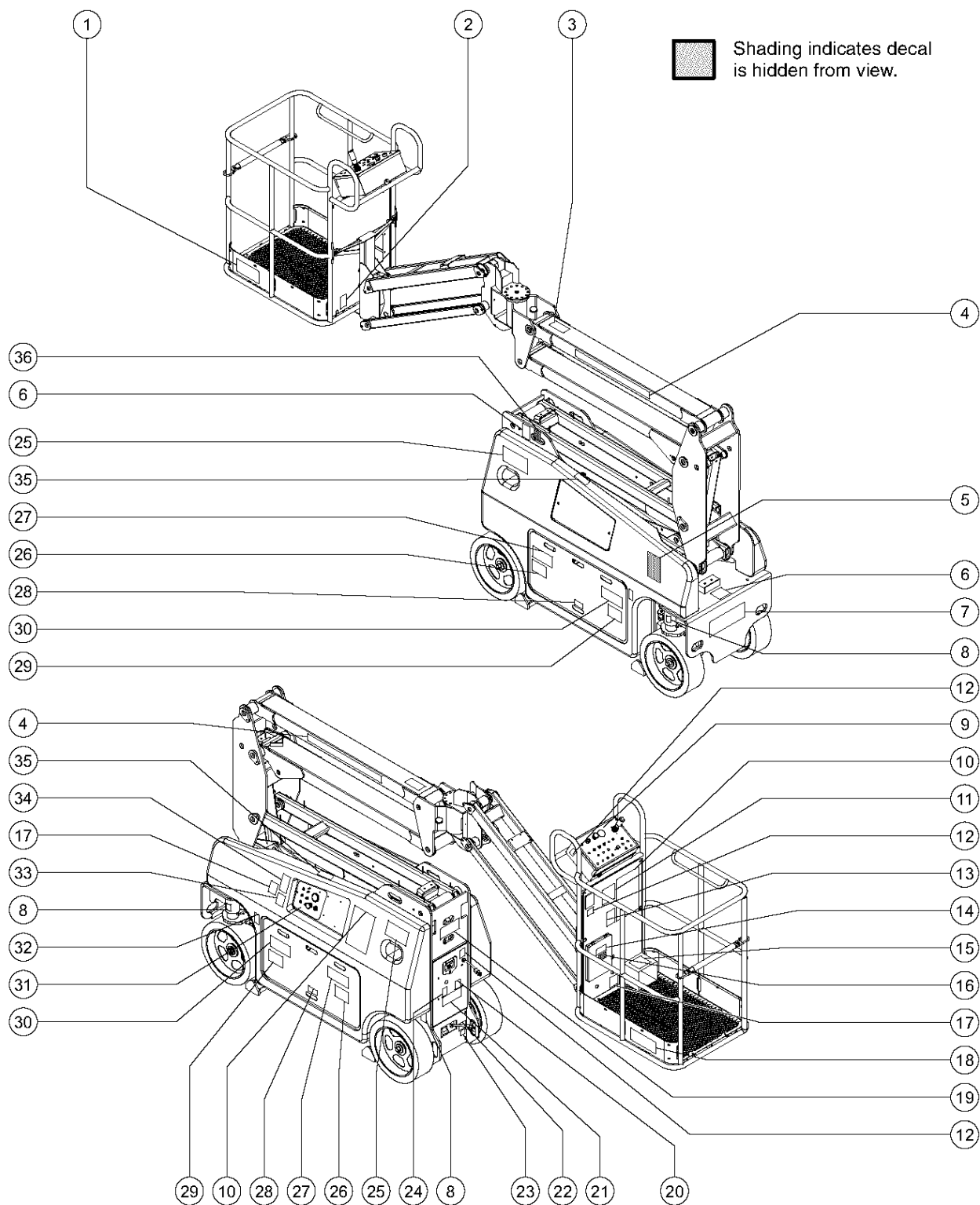
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☐ Ship complete order only - No back orders

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

☐ Other (please specify)

## 101.1 Decals and Paint



## 101.1 Decals and Paint

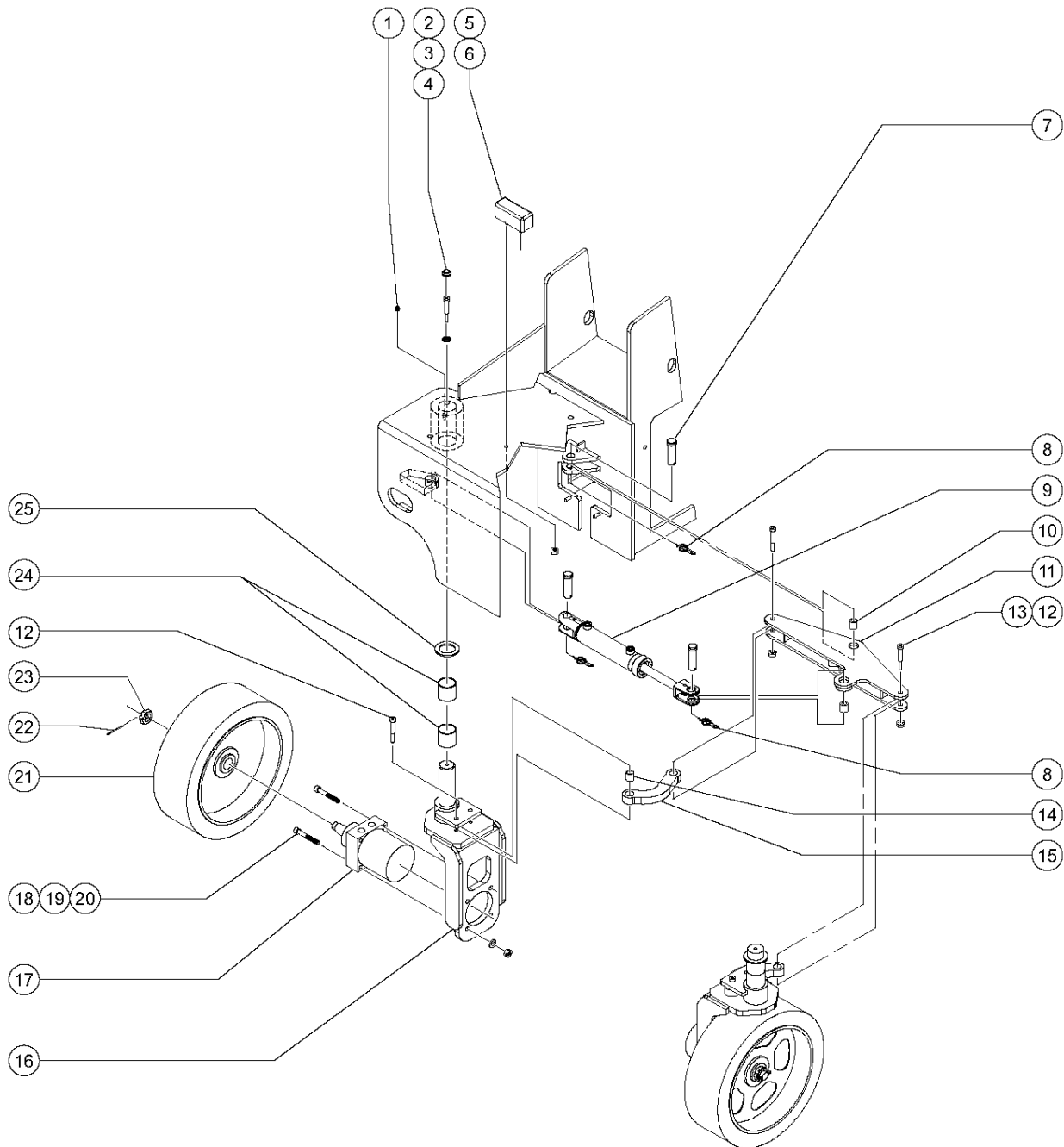
| Item | Part No. | Description                                                   | Qty. | Item | Part No. | Description                            | Qty. |
|------|----------|---------------------------------------------------------------|------|------|----------|----------------------------------------|------|
| --   | 1268     | PAINT,AEROSOL,GENIE GRAY***                                   |      | 16   | 28176    | DECAL,LABEL,MANUAL NOT<br>HERE.....    | 1    |
| --   | 1484     | PAINT,AEROSOL,BRIGHT BLUE***                                  |      | 17   | 46305    | DECAL, WARNING, CRUSHING HAZ           |      |
| --   | 61361    | WET PAINT,GENIE BLUE                                          |      | 18   | 37051    | DECAL,NOTICE,SIDE FRC<br>150,ANSI..... | 1    |
| --   | 61362    | WET PAINT,GENIE GRAY                                          |      |      |          | <i>ANSI and CSA models</i>             |      |
| 1    | 44983    | DECAL,NOTICE, MAX CAP 400<br>LBS.....                         | 1    | 18   | 44986    | DECAL,INSTR,SIDE<br>FRC/WIND,AUS.....  | 1    |
| --   | 37052    | DECAL,NOTICE,MAX LOAD 500<br>LBS.....                         | 1    |      |          | <i>CE models</i>                       |      |
| --   | 44248    | DECAL, NOTICE, MAX CAP 440<br>LBS.....                        | 1    | --   | 44986    | DECAL,INSTR,SIDE<br>FRC/WIND,AUS.....  | 1    |
| 2    | 28177    | DECAL,WARN,CRUSH HAZARD<br>PLAT.....                          | 2    |      |          | <i>CE models</i>                       |      |
| 3    | 28181    | DECAL,WARN,FALL HAZARD.....                                   | 1    | 19   | 44220    | DECAL,DANGER,BRAKE REL<br>SAFETY*..... | 1    |
| 4    | 62935    | DECAL,COSMETIC,GENIE<br>Z-20/8.....                           | 2    | 20   | 28171    | DECAL,DANGER,NO<br>SMOKING***.....     | 1    |
| 4    | 62936    | DECAL,COSMETIC,GENIE<br>Z-20/8N.....                          | 2    | 21   | 28175    | DECAL,COMPARTMENT<br>ACCESS.....       | 1    |
| 4    | 62937    | DECAL,COSMETIC,GENIE<br>Z-25/8.....                           | 2    | 22   | 31508    | DECAL,DANGER,ELECT<br>HAZARD,PLUG..... | 1    |
| 5    | 77046    | SERIAL # LABEL,MYLAR 4X8***.....                              | 1    | 23   | 44980    | DECAL,LABEL,PWR TO CHARGR<br>115V..... | 1    |
| 6    | 28161    | DECAL,WARN,CRUSH HAZARD<br>HAND.....                          | 3    | --   | 43658    | DECAL,LABEL,PWR TO CHARGR<br>230V..... | 1    |
| 7    | 52968    | DECAL,COSMETIC,GENIE<br>BOOM,VERT.....                        | 1    | 24   | 28157    | DECAL,USE DEXRON***.....               | 1    |
| 8    | 44239    | DECAL, NOTICE, TIRE SPECS.....                                | 4    | 25   | 27564    | DECAL,DANGER,ELEC.HAZ.STAY<br>CLR..... | 2    |
| 9    | 72173    | DECAL, PLATFORM CONTROL<br>PANEL<br><i>Z-20/8 from SN 135</i> |      | 26   | 44238    | DECAL, DANGER, TIP-OVER,<br>BATTR..... | 2    |
| --   | 41323    | DECAL, PLATFORM CONTROL<br>PANEL<br><i>Z-20/8 to SN 134</i>   |      | 27   | 31788    | DECAL,DANGER,BATTERY<br>SAFETY***..... | 2    |
| 10   | 32700    | DECAL,DANGER,GEN SAFETY<br>RULES*.....                        | 2    | 28   | 44737    | DECAL,DANGER,TIP-OVER,TRAYS.           | 2    |
| 11   | 44768    | DECAL, DANGER,TIP-OVER.....                                   | 1    | 29   | 44237    | DECAL,NOTICE,BATTERY<br>CONNECT.....   | 2    |
| 12   | 28235    | DECAL,POWER TO PLATFORM<br>115V.....                          | 2    | 30   | 31785    | DECAL,NOTICE,CHARGER<br>INSTRUC.....   | 2    |
| --   | 28174    | DECAL,POWER TO PLATFORM<br>230V.....                          | 2    | 31   | 72174    | DECAL, GROUND CONTROL<br>PANEL.....    | 1    |
| 13   | 44240    | DECAL,NOTICE,OPER INST,<br>PLAT.....                          | 1    | 32   | 28372    | DECAL,NOTICE,BATTERY<br>CABLES.....    | 2    |
| 14   | 28236    | DECAL,WARN,IMPROPER<br>OPERATION.....                         | 1    | 33   | 28164    | DECAL,NOTICE,HAZARDOUS<br>MAT'LS*..... | 1    |
| 15   | 28165    | DECAL,INSTRUCT,FOOTSWITCH<br>OPER.....                        | 1    | 34   | 43653    | DECAL,NOTICE, GRD OPER<br>INSTRUC..... | 1    |
|      |          |                                                               |      | 35   | 44242    | DECAL, LABEL, DIRECTION<br>ARROWS..... | 2    |

101.1 Decals and Paint  
(continued)

| Item | Part No. | Description                            | Qty. |
|------|----------|----------------------------------------|------|
| 36   | 31060    | DECAL,DANGER DO NOT ALTER<br>SWTC..... | 1    |

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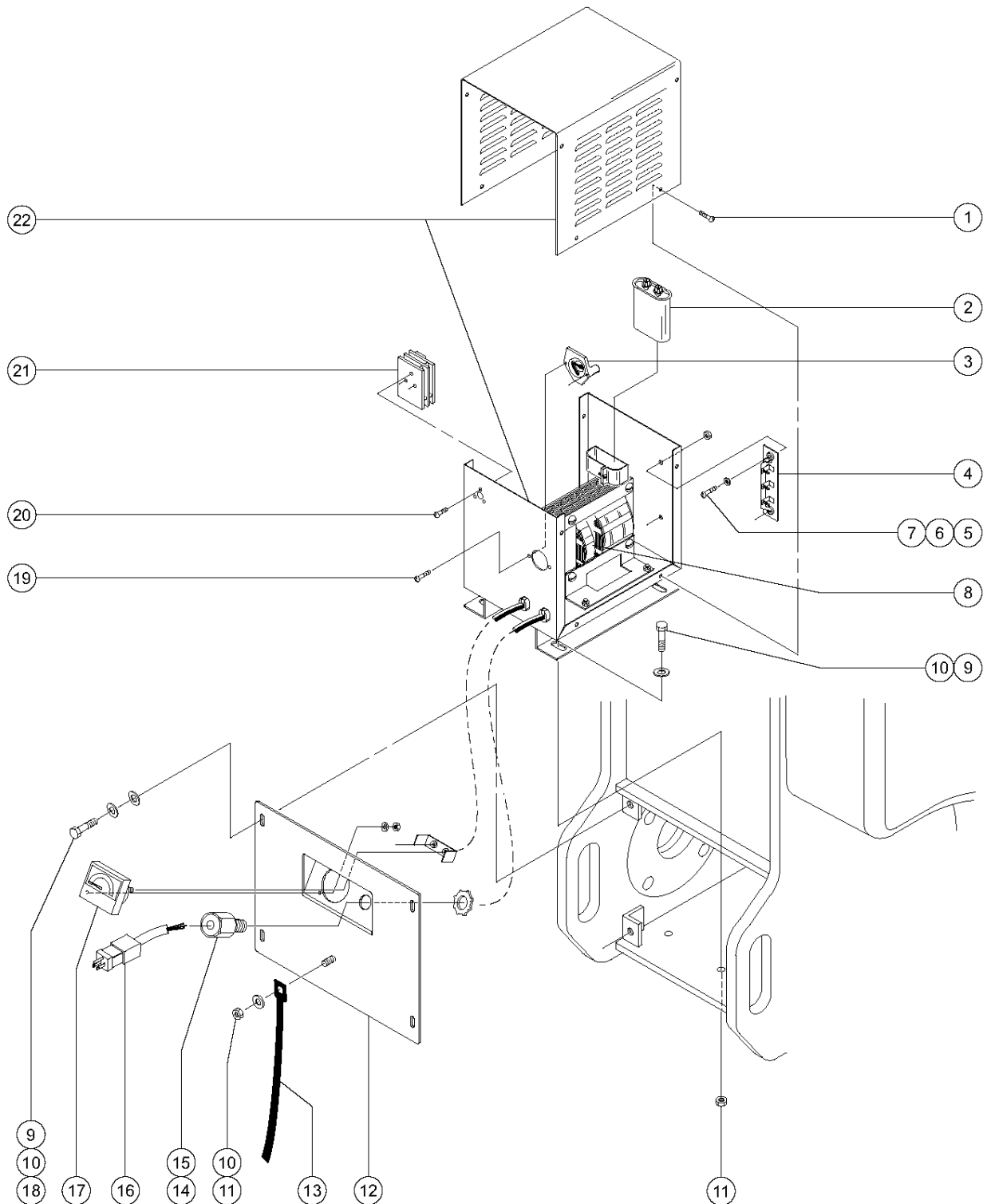
## 201.1 Steer/Drive Axle Linkage and Wheels



## 201.1 Steer/Drive Axle Linkage and Wheels

| Item | Part No. | Description                                                                                                        | Qty. | Item | Part No. | Description                                                                   | Qty. |
|------|----------|--------------------------------------------------------------------------------------------------------------------|------|------|----------|-------------------------------------------------------------------------------|------|
| --   |          | BEARING,FLANGED,.50 IDX.75                                                                                         |      | 16   | 42650    | STEERING YOKE,FINAL<br>WELDMENT.....2<br><i>from SN 115</i>                   |      |
| 1    | 28646    | ZERK,GREASE,1/8 NPT.....2                                                                                          |      | 17   | 36717    | DRIVE MOTOR,WHITE RE24<br>SERIES*.....2<br><i>includes castle nut and key</i> |      |
| 2    | 47189    | CAP,FINISHING,BLACK.....2                                                                                          |      | 17   | 44780    | NUT,CASTLE,1.125-18 UNEF.....2                                                |      |
| 3    | 42596    | BOLT,SHOULDER, 3/8-16.....2                                                                                        |      | 17   | 44781    | KEY,RECTANGULAR,.31X.28X1.25*.2                                               |      |
| 4    | 42539    | WASHER,FINISHING CAP,.5".....2                                                                                     |      | 17   | 44782    | SEAL KIT,DR<br>MTR.GS15/19,Z20***.....2                                       |      |
| 5    | 56927    | PAD,REST,2"THICK,W/STUDS*.....1                                                                                    |      | 17   | 44783    | BEARING,DRIVE MOTOR<br>GS15/19.....2                                          |      |
| 6    | 4828     | NUT,NYLOCK,3/8-16.....2                                                                                            |      | 18   | 22790    | SCREW,SHC,1/2-13 X 3.5.....8                                                  |      |
| 7    | 19440    | PIN,CLEVIS,1 X 2.5 LG.....3                                                                                        |      | 19   | 13066    | WASHER,FLAT,.5 HARDENED.....8                                                 |      |
| 8    | 74389    | RUE RING 1.00.....3                                                                                                |      | 20   | 6198     | NUT,NYLOCK,1/2-13.....8                                                       |      |
| 9    | 48401    | SEAL KIT,42406,STEER.CYL,TEXAS<br>FOR CYLINDER 94036                                                               |      | 21   | 36838    | TIRE/WHL,NON-MARK Z20<br>TRACTION.....2                                       |      |
| 9    | 59076    | SEAL KIT,2.0" BORE CYLINDERS**<br>FOR CYLINDER 59059                                                               |      | 22   | 42079    | PIN,COTTER,.156 X 2.5.....2                                                   |      |
| 9    | 59169    | SEAL KIT,2" BORE,1" ROD***.....1<br>FOR CYLINDER 59154 AND 59302                                                   |      | 23   | 44780    | NUT,CASTLE,1.125-18 UNEF.....2                                                |      |
| 9    | 94036    | CYLINDER,STEERING,Z20/25**<br>%%.....1<br>2 FITTINGS 48904 ARE REQUIRED<br>WHEN REPLACING 59302, 59154<br>OR 59059 |      | 24   | 42014    | BEARING,2.00IDX2.25ODX2.00L....4                                              |      |
| 10   | 25817    | BEARING,1.00IDX1.25ODX1.00L....2                                                                                   |      | 25   | 36937    | WASHER,THRUST,2.0 X 3.0 X<br>.188.....2                                       |      |
| 11   | 58013    | BELLCRANK ASSY,STEERING<br>Z20.....1<br><i>includes 2 each index number 10; from<br/>SN 776</i>                    |      |      |          |                                                                               |      |
| 11   | 58098    | STEER SYSTEM ENHANCE<br>KIT,Z20N.....1<br><i>to SN 775</i>                                                         |      |      |          |                                                                               |      |
| 11   | 91000    | BELLCRANK ASSY.,Z20W/Z25.....1<br><i>includes 2 each index number 10</i>                                           |      |      |          |                                                                               |      |
| 11   | 94007    | STEERING ENHANCE KIT,Z20W,Z25                                                                                      |      |      |          |                                                                               |      |
| 12   | 42589    | BOLT,SHOULDER 5/8-11X1.860....4                                                                                    |      |      |          |                                                                               |      |
| 13   | 6024     | NUT,NYLOCK,5/8-11.....2                                                                                            |      |      |          |                                                                               |      |
| 14A  | 42640    | BEARING,FLANGED,.50 IDX.75.....2<br><i>to SN 774</i>                                                               |      |      |          |                                                                               |      |
| 14B  | 42641    | BEARING,FLANGED,.75ID X<br>1.00.....2<br><i>from SN 775</i>                                                        |      |      |          |                                                                               |      |
| 15A  | 44819    | STEER LINK KIT W/BEAR'G Z20....2<br><i>to SN 774; includes 2 each index<br/>number 14A</i>                         |      |      |          |                                                                               |      |
| 15B  | 58015    | STEER LINK KIT W/BEAR'G Z20....2<br><i>from SN 775; includes 2 each index<br/>number 14B</i>                       |      |      |          |                                                                               |      |
| 16   |          | YOKE WELDMENT.....2<br><i>to SN 114; consult factory</i>                                                           |      |      |          |                                                                               |      |

## 202.1 Battery Charger Installation

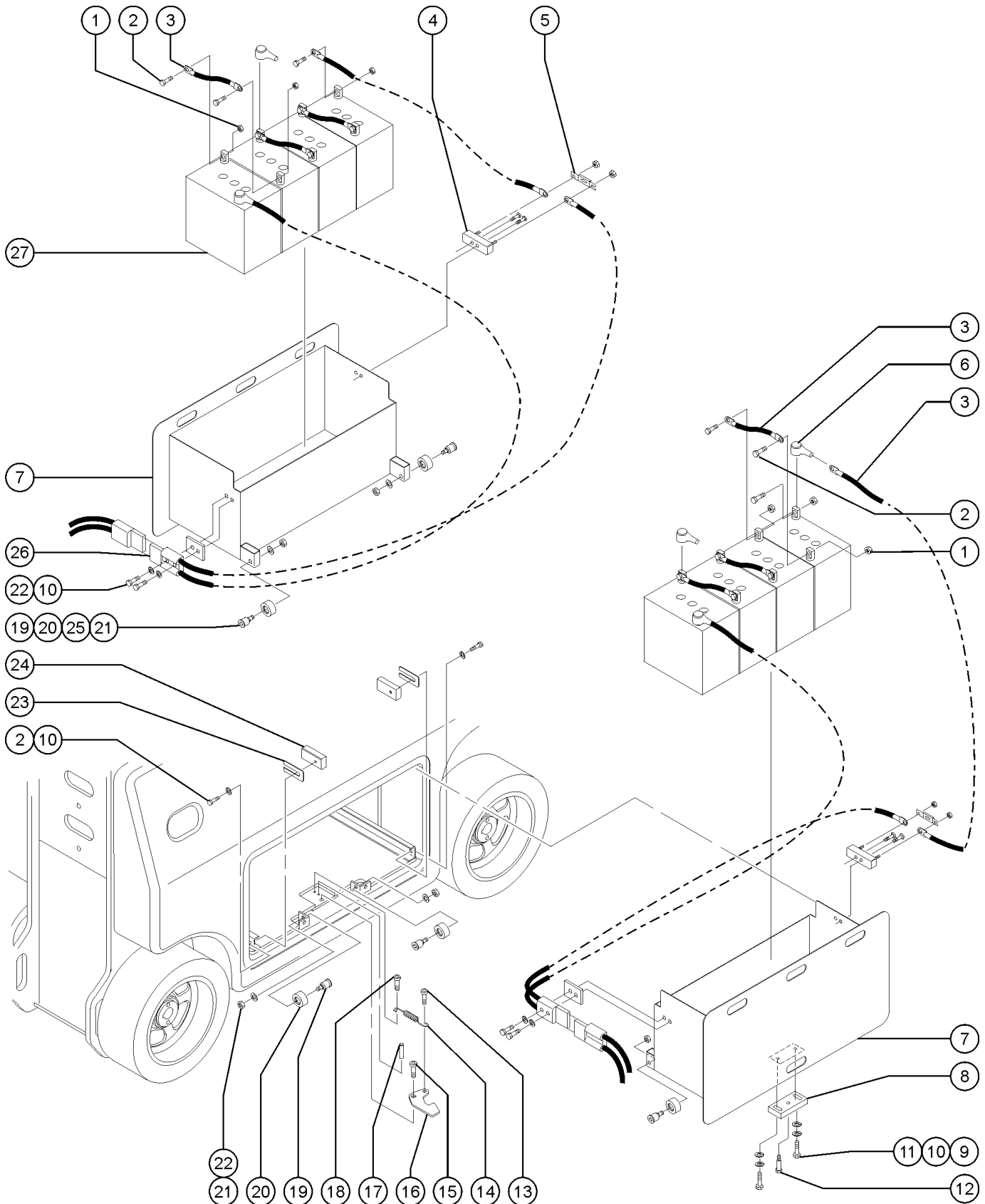




## 202.1 Battery Charger Installation

| Item | Part No. | Description                                                                | Qty. | Item | Part No. | Description      | Qty. |
|------|----------|----------------------------------------------------------------------------|------|------|----------|------------------|------|
| --   | 54794    | CHARGER,48V,110VAC,60H,25A                                                 |      | 22   | 40532    | CASE COVER ONLY  |      |
| --   | 54795    | CHARGER,48V,200-250VAC,50H,25A                                             |      |      |          | 18710/18720..... | 1    |
| --   | 54796    | CHARGER,48V,200-250VAC,60H,25A                                             |      |      |          |                  |      |
| --   | 54797    | CHARGER,48V,100-125VAC,60H,25A                                             |      |      |          |                  |      |
| 1    | 40537    | SCREW,CHARGER COVER,#10 X .5.....                                          | 8    |      |          |                  |      |
| 2    | 13008-3  | CAPACITOR,6 MFD,660VAC-CHARGR*.....                                        | 1    |      |          |                  |      |
| 3    | 13008-6  | FUSE ASSY-BOOM CHARGER.....                                                | 1    |      |          |                  |      |
| 4    | 27262    | HEATSINK ASSY W/DIODES (23442).....                                        | 1    |      |          |                  |      |
| 5    | 40538    | SCREW,HEATSINK/DIODE ASSY.....                                             | 2    |      |          |                  |      |
| 6    | 6146     | WASHER,FLAT,MS,#10,Y.....                                                  | 2    |      |          |                  |      |
| 7    | 6178     | NUT,NYLOCK,10-32.....                                                      | 2    |      |          |                  |      |
| 8    | 40398    | TRNSFRMR(36316 &17)(41898 &99).....                                        | 1    |      |          |                  |      |
| 8    | 40523    | TRANSFORMER,CHARGER36314/41896                                             | 1    |      |          |                  |      |
| 8    | 40524    | TRANSFORMER,CHARGER36315/41897                                             | 1    |      |          |                  |      |
| 9    | 6888     | SCREW,HHC,1/4-20 X 1.....                                                  | 6    |      |          |                  |      |
| 10   | 6638     | WASHER,FLAT,USS,1/4"Y.....                                                 | 8    |      |          |                  |      |
| 11   | 6091     | NUT,NYLOCK,1/4-20.....                                                     | 4    |      |          |                  |      |
| 12   | 46255    | COVER ASSY W/DECAL,CHARGER,Z20.....                                        | 1    |      |          |                  |      |
| 12   | 46256    | COVER ASSY W/DECAL,CHARGER,Z20.....                                        | 1    |      |          |                  |      |
| 13   | 96317    | GROUND STRAP,12"LG***.....                                                 | 1    |      |          |                  |      |
| 14   | 7056     | CONN,SQUEEZE,1/2NPT .38-.50,SM.....                                        | 1    |      |          |                  |      |
| 15   | 6935     | LOCKNUT,ELEC,1/2".....                                                     | 1    |      |          |                  |      |
| 16   | 6595     | PLUG,ELECTRICAL,DOMESTIC.....                                              | 1    |      |          |                  |      |
| 17   | 13008-5  | AMMETER-BOOM CHARGER.....<br><i>includes mounting hardware and bracket</i> | 1    |      |          |                  |      |
| 18   | 6356     | WASHER,LOCK,.25.....                                                       | 4    |      |          |                  |      |
| 19   | 40536    | SCREW,TIMER,#8 PHMS X.375.....                                             | 2    |      |          |                  |      |
| 20   | 40534    | WASHER,LOCK,#10, CHARGER FUSE.....                                         | 2    |      |          |                  |      |
| 21   | 18078    | RELAY,CHARGER TIMER.....                                                   | 1    |      |          |                  |      |
| 21   | 19533    | RELAY,CHARGER .TIMER(19531/32).....                                        | 1    |      |          |                  |      |
| 21   | 27263    | TIMER (23442)(41896)(36314).....                                           | 1    |      |          |                  |      |
| 21   | 27830    | TIMER(24059,41897,41898,41899).                                            | 1    |      |          |                  |      |

## 203.1 Battery Pack Installation



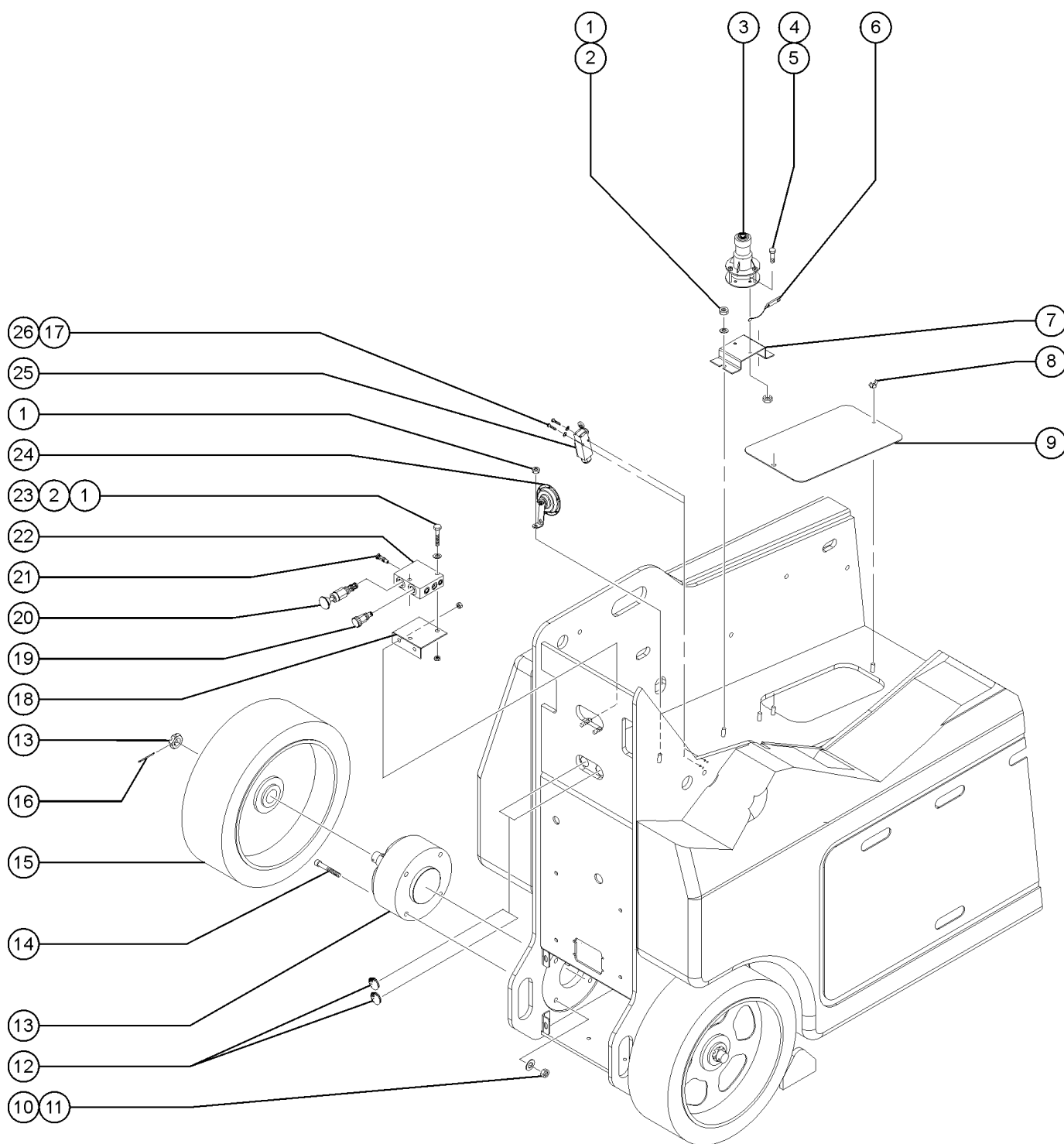
## 203.1 Battery Pack Installation

| Item | Part No. | Description                                                                                                    | Qty. |
|------|----------|----------------------------------------------------------------------------------------------------------------|------|
| 1    | 18504    | NUT,LOCKING-LG.FLANGE,1/4-20.16                                                                                |      |
| 2    | 8915     | SCREW,HHC,1/4-20 X 1.25.....20                                                                                 |      |
| 3    |          | Ref. Battery Cable Assembly.....20<br><i>refer to section 211.1</i>                                            |      |
| 4    | 66717    | FUSE BLOCK, ANN & ANL FUSE...2                                                                                 |      |
| 5    | 13104    | FUSE,300 AMP,VERY FAST<br>ACTING.....2                                                                         |      |
| 6    | 8910     | BOOT,CABLE<br>TERM,MED.RED,4/0.....16                                                                          |      |
| 7    | 44823    | BATTERY BOX ASSY W/DECALS,<br>Z20.....2<br><i>includes index number 8 and 2 each<br/>index number 9 and 10</i> |      |
| 8    | 36993    | SPACER,BATTERY CATCH<br>BOLT.....2                                                                             |      |
| 9    | 6637     | SCREW,HHC,1/4-20 X 1.75.....4                                                                                  |      |
| 10   | 6356     | WASHER,LOCK,.25.....12                                                                                         |      |
| 11   | 6638     | WASHER,FLAT,USS,1/4"Y.....4                                                                                    |      |
| 12   | 42377    | SCREW,SHS,1/4-20 X<br>.75,ZINCPLT.....2                                                                        |      |
| 13   | 21047    | SCREW,FHM,10-24 X .75.....2                                                                                    |      |
| 14   | 36574    | SPRING,EXTENSION,.36 X 1.25....2                                                                               |      |
| 15   | 42375    | SCREW,SHS,3/8-16 X.375,ZINC.....2                                                                              |      |
| 16   | 42011    | CATCH,BATTERY<br>BOX,MACHINED.....2                                                                            |      |
| 17   | 6608     | PIN,ROLL,.188 X .75.....2                                                                                      |      |
| 18   | 6584     | SCREW,SHS,10-24 X .625.....2                                                                                   |      |
| 19   | 35706    | BOLT,ROLLER,.470"(SHORT).....8                                                                                 |      |
| 20   | 38016    | ROLLER,PLASTIC,AWP96**.....8                                                                                   |      |
| 21   | 7713     | NUT,LP NYLOCK,3/8-16.....8                                                                                     |      |
| 22   | 6097     | WASHER,FLAT,USS,3/8",Y.....4                                                                                   |      |
| 23   | 42314    | SHIM,SIDE PAD 16GA,.44 SLOT....4<br><b>1</b>                                                                   |      |
| 24   | 36999    | WEAR PAD,BATTERY BOX.....4                                                                                     |      |
| 25   | 5397     | WASHER,FLAT,USS,5/16",Y.....4                                                                                  |      |
| 26   | 128138   | CONN HOUSING SBX175, BATT....1                                                                                 |      |
| 26   | 44826    | BATTERY CABLE,BATT<br>PACK,RS,Z20.....1                                                                        |      |
| 26   | 44827    | BATTERY CABLE,BATT<br>PACK,LS,Z20.....1                                                                        |      |
| 27   | 76502    | BATTERY,T105 W/LPT,3<br>CAP,DRY**.....8                                                                        |      |

**Footnotes**

**1:** Quantity listed for this item is approximate.  
Actual quantity may vary to ensure proper fit.

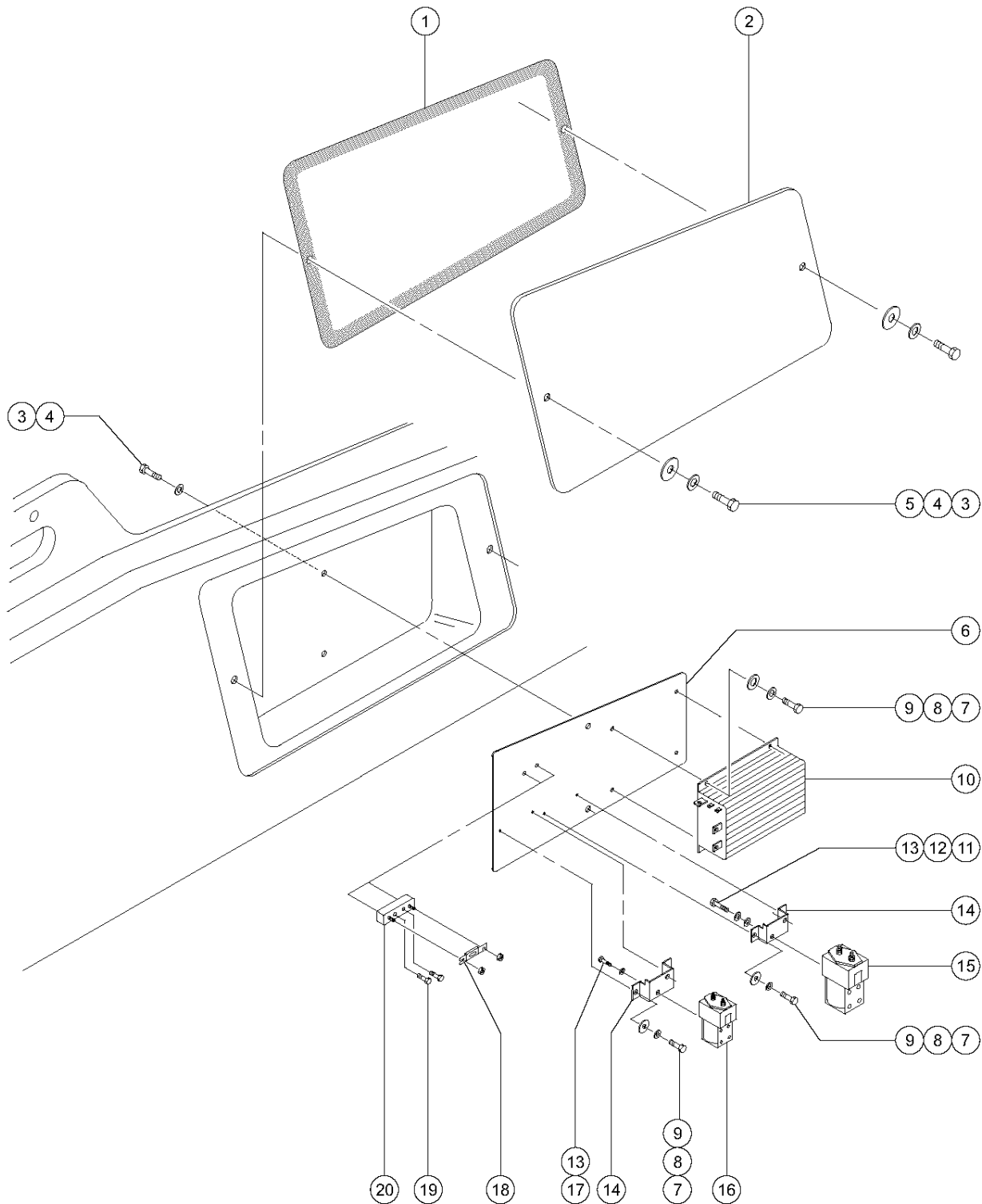
## 204.1 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation



## 204.1 Non-Steer Axle, Level Sensor, Horn and Brake Release Installation

| Item | Part No. | Description                                                                                                                                                                                                                                                  | Qty. | Item | Part No.    | Description                                            | Qty. |
|------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-------------|--------------------------------------------------------|------|
| 1    | 4828     | NUT,NYLOCK,3/8-16.....                                                                                                                                                                                                                                       | 5    | --   | 44830       | LINING KIT, BRAKE,MICO 36841**<br>for Mico brake 36841 |      |
| 2    | 5397     | WASHER,FLAT,USS,5/16",Y.....                                                                                                                                                                                                                                 | 4    | 14   | 42360       | SCREW,SHC,1/2-13 X 4 ZINC.....                         | 8    |
| 3    | 42439    | SENSOR,LEVEL 3 DEG**.....                                                                                                                                                                                                                                    | 1    | 15   | 36838       | TIRE/WHL, NON-MARK Z20<br>TRACTION.....                | 2    |
|      |          | <i>CE Models</i>                                                                                                                                                                                                                                             |      | 16   | 42079       | PIN,COTTER,,156 X 2.5.....                             | 2    |
| 3    | 44586    | SENSOR,LEVEL 4.5***.....                                                                                                                                                                                                                                     | 1    | 17   | 40534       | WASHER,LOCK,#10, CHARGER<br>FUSE.....                  | 2    |
|      |          | <i>ANSI and CSA Models</i>                                                                                                                                                                                                                                   |      | 18   | 42173       | BRACKET,HAND PUMP MOUNT....                            | 1    |
| 3    | 74548    | Level Sensor, 4.5°, 1.5 Second<br>Delay.....                                                                                                                                                                                                                 | 1    | 19   | 44217       | VALVE,CHECK,PILOT<br>OPERATED***.....                  | 1    |
|      |          | <i>ANSI and CSA Models</i>                                                                                                                                                                                                                                   |      | --   | 44233       | SEAL KIT-FOR PN. 44217.....                            | 1    |
| --   | 42439    | SENSOR,LEVEL 3 DEG**.....                                                                                                                                                                                                                                    | 1    | 20   | 44218       | VALVE,HAND PUMP**.....                                 | 1    |
|      |          | <i>CE Models</i>                                                                                                                                                                                                                                             |      | --   | 44224       | SEAL KIT, VALVE.....                                   | 1    |
| 4    | 6888     | SCREW,HHC,1/4-20 X 1.....                                                                                                                                                                                                                                    | 2    | 21   | 44216       | VALVE,SHUTTLE.....                                     | 1    |
| 5    | 6091     | NUT,NYLOCK,1/4-20.....                                                                                                                                                                                                                                       | 2    | --   | 44235       | SEAL KIT-FOR PN.44216.....                             | 1    |
| 6    | 44995    | TILT SENSOR TEST<br>TOOL(SERVICE).....                                                                                                                                                                                                                       | 1    | 22   | 42093       | MANIFOLD,BRAKE RELEASE.....                            | 1    |
|      |          | <i>includes lanyard</i>                                                                                                                                                                                                                                      |      |      |             | <i>includes index numbers 19, 20 and 21</i>            |      |
| 7    | 42678    | BRACKET,TILT ALARM.....                                                                                                                                                                                                                                      | 1    | 23   | 8178        | SCREW,HHC,3/8-16 X 2.5.....                            | 2    |
| 8    | 56172    | WING NUT,NYLON,3/8-16.....                                                                                                                                                                                                                                   | 2    | 24   | 45212       | HORN KIT,24V.....                                      | 1    |
| 9    | 94006    | PLATE-TOP ACCESS WITH<br>GASKET.....                                                                                                                                                                                                                         | 1    | 25   | 88356-12763 | SWITCH,LIMIT,W/6.25"SPRING<br>ARM.....                 | 1    |
| --   | 42684    | GASKET,TOP ACCESS PLATE.....                                                                                                                                                                                                                                 | 1    |      |             | <i>includes squeeze connector</i>                      |      |
| 10   | 6198     | NUT,NYLOCK,1/2-13.....                                                                                                                                                                                                                                       | 8    | --   | 110650      | CONN. SQZ PG11 .30-.40<br>W/ORING.....                 | 1    |
| 11   | 13064    | WASHER,FLAT,.625 HARDENED....                                                                                                                                                                                                                                | 8    | 26   | 44975       | Screw - PHM, 10-32 x 1.75 inches,<br>GR 2.....         | 2    |
| 12   | 45385    | PLUG,NYLON 1.12 BLACK<br>DOMED.....                                                                                                                                                                                                                          | 2    |      |             |                                                        |      |
| 13A  | 74297    | BRAKE,AUSCO,11000 LBS-IN**.....                                                                                                                                                                                                                              | 2    |      |             |                                                        |      |
|      |          | <i>The Mico brake (PN 36841) used<br/>before serial number 1232 is no longer<br/>available. When replacing brakes with<br/>PN 74297, both brakes must be<br/>replaced. DO NOT MIX &amp; MATCH.<br/>Customer will need to also order PN<br/>42360, Qty 8.</i> |      |      |             |                                                        |      |
| --   | 44780    | NUT,CASTLE,1.125-18 UNEF                                                                                                                                                                                                                                     |      |      |             |                                                        |      |
| --   | 44781    | KEY,RECTANGULAR,.31X.28X1.25"*                                                                                                                                                                                                                               |      |      |             |                                                        |      |
| --   | 88000    | SEAL KIT (66419, 66416, 74297)                                                                                                                                                                                                                               |      |      |             |                                                        |      |
| 13B  |          | BRAKE, MICO (36841)<br><i>Component no longer available. Refer<br/>to item 13A, above.</i>                                                                                                                                                                   |      |      |             |                                                        |      |
| --   | 44780    | NUT,CASTLE,1.125-18 UNEF                                                                                                                                                                                                                                     |      |      |             |                                                        |      |
| --   | 44781    | KEY,RECTANGULAR,.31X.28X1.25"*                                                                                                                                                                                                                               |      |      |             |                                                        |      |
| --   | 44828    | SEAL KIT,BRAKE,MICO***<br>for Mico brake 36841                                                                                                                                                                                                               |      |      |             |                                                        |      |
| --   | 44829    | BEARING,BRK,MICO **<br>for Mico brake 36841                                                                                                                                                                                                                  |      |      |             |                                                        |      |

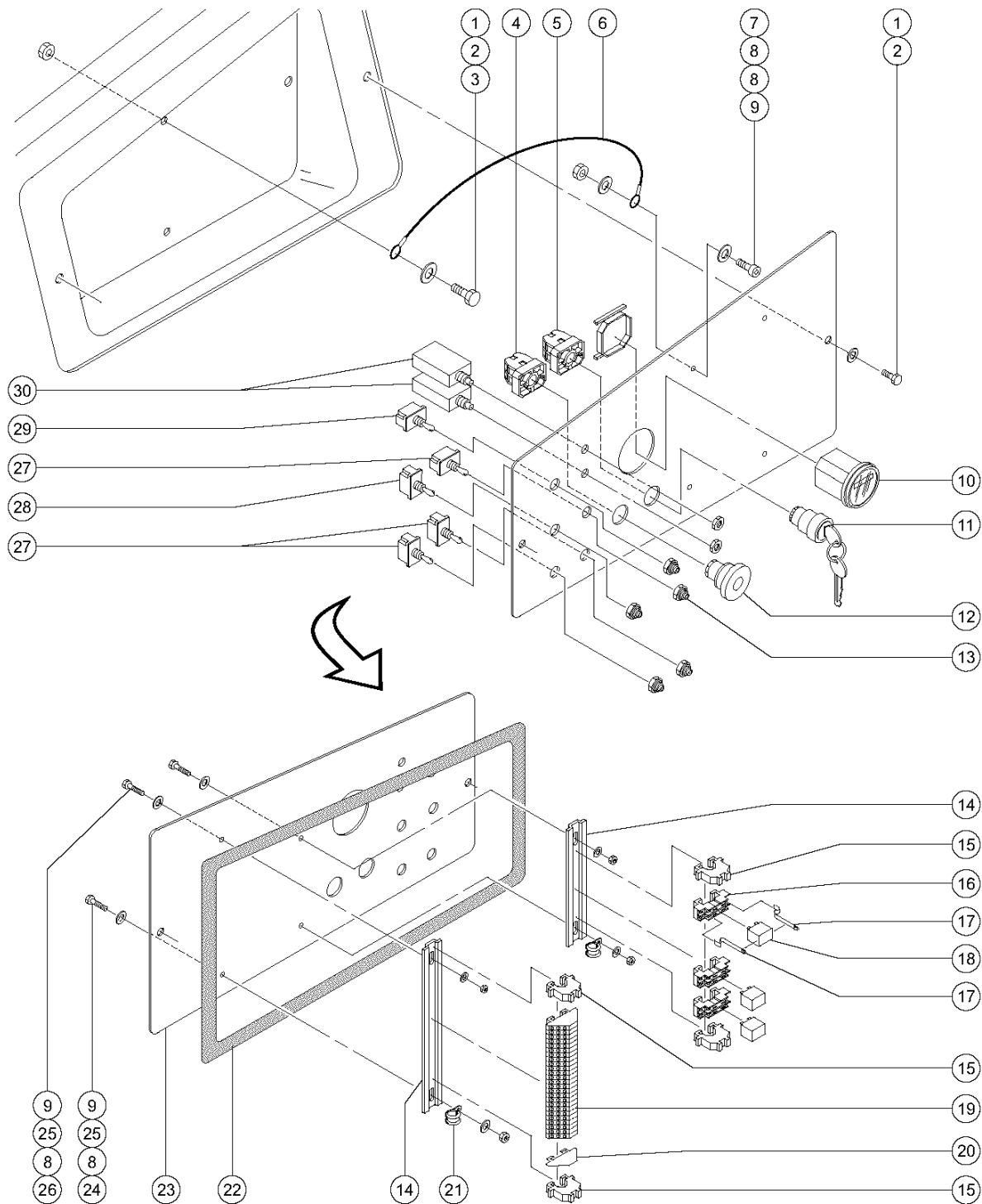
## 205.1 Electronic Control Module Installation



## 205.1 Electronic Control Module Installation

| Item | Part No. | Description                                                         | Qty. |
|------|----------|---------------------------------------------------------------------|------|
| 1    | 42383    | GASKET,COVER PLATE,Z20.....                                         | 1    |
| 2    | 46231    | COVER,CONTROL<br>MODULE,Z-20.....<br><i>includes index number 1</i> | 1    |
| 3    | 6175     | SCREW,HHC,3/8-16 X 1.....                                           | 4    |
| 4    | 6021     | WASHER,LOCK,,375.....                                               | 4    |
| 5    | 5397     | WASHER,FLAT,USS,5/16",Y.....                                        | 2    |
| 6    | 46259    | MOUNTING<br>PLATE,CONTROLLER,Z20.....                               | 1    |
| 7    | 7339     | SCREW,HHC,1/4-20 X .5.....                                          | 8    |
| 8    | 6356     | WASHER,LOCK,,25.....                                                | 8    |
| 9    | 6638     | WASHER,FLAT,USS,1/4"Y.....                                          | 8    |
| 10   | 36844    | CONTROLL.DC MTR.SPD<br>275AMP.....                                  | 1    |
| 11   | 6606     | SCREW,RHM,10-32 X .75.....                                          | 2    |
| 12   | 6607     | WASHER,LOCK,#10 PLTD.....                                           | 2    |
| 13   | 6146     | WASHER,FLAT,MS,#10,Y.....                                           | 4    |
| 14   | 19815    | BRACKET, RELAY MOUNTING.....                                        | 2    |
| 15   | 74267    | CONTACTOR,DRIVE,24V,180A***...                                      | 1    |
| 15   | 74468    | SPRING, RETURN (FOR 74267).....                                     | 1    |
| 15   | 74469    | FIXED CONTACT (FOR 74267).....                                      | 1    |
| 15   | 74470    | MOVING CONTACT (FOR PN<br>74267).....                               | 1    |
| 16   | 22262    | CONTACT,MOVING,19549RELAY...                                        | 1    |
| 16   | 22263    | CONTACT,STATIONARY,19549RELAY.                                      | 1    |
| 16   | 74268    | CONTACTOR,AUX PUMP<br>24V,80A***.....                               | 1    |
| 16   | 74495    | SPRING, RETURN (FOR 74268).....                                     | 1    |
| 17   | 22542    | M4 X 5 PHILLIPS<br>(CHEESEHEAD).....                                | 2    |
| 18   | 36355    | FUSE,100 AMP,VERY FAST<br>ACTING.....                               | 1    |
| 19   | 17626    | SCREW,FHM,10-32 X .75.....                                          | 2    |
| 20   | 66717    | FUSE BLOCK, ANN & ANL FUSE...                                       | 1    |

## 206.1 Ground Controls Installation

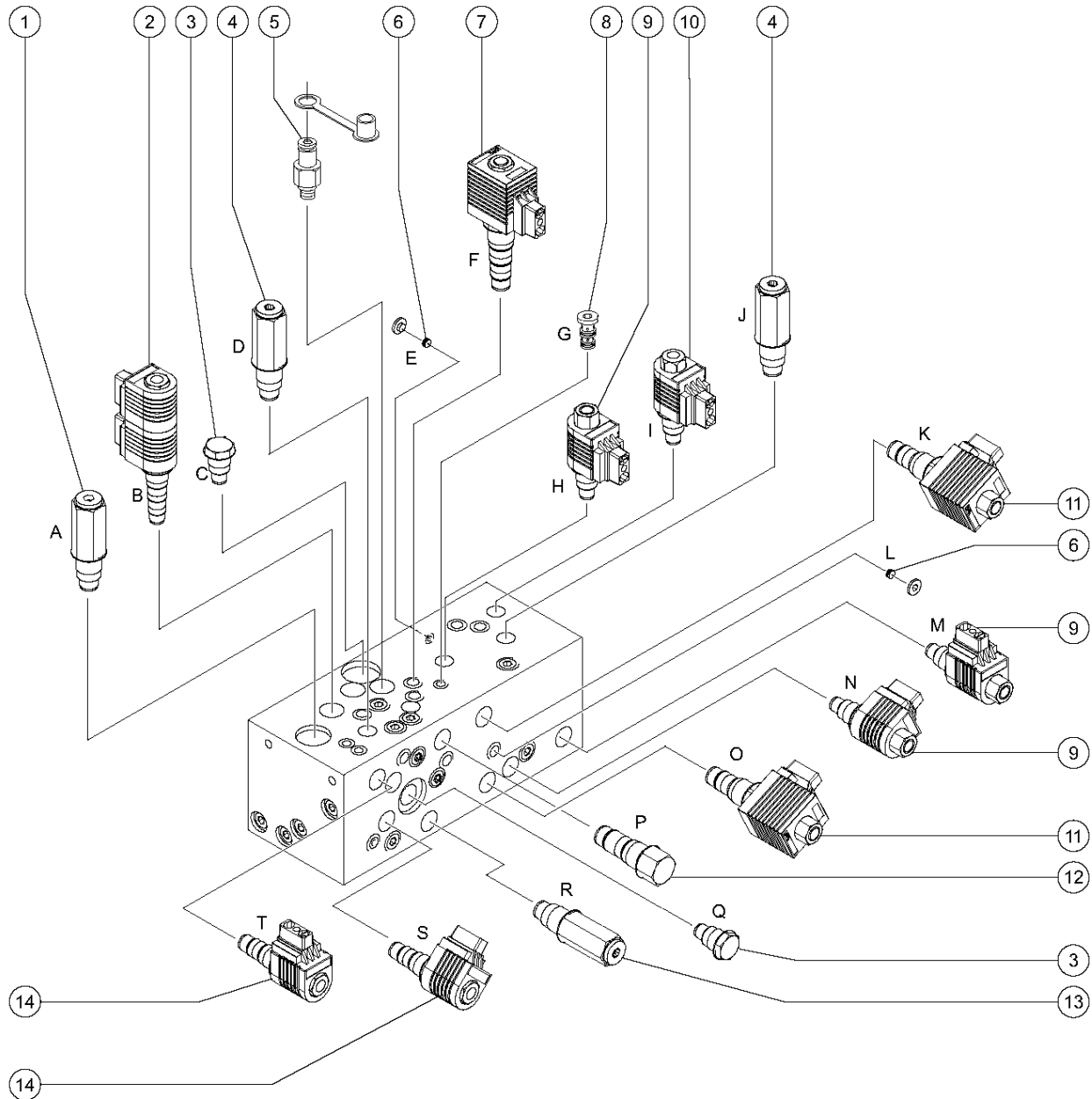




## 206.1 Ground Controls Installation

| Item | Part No. | Description                                                                 | Qty. | Item | Part No. | Description                            | Qty. |
|------|----------|-----------------------------------------------------------------------------|------|------|----------|----------------------------------------|------|
| 1    | 6019     | SCREW,HHC,3/8-16 X 1.25 GRD<br>5.....                                       | 3    | 21   | 13268    | CLAMP,0.75,#12 X 1/4,RUB<br>CUSH.....  | 1    |
| 2    | 5397     | WASHER,FLAT,USS,5/16",Y.....                                                | 3    | 22   | 42384    | GASKET,GROUND CONTROL<br>PNL,Z20.....  | 1    |
| 3    | 4828     | NUT,NYLOCK,3/8-16.....                                                      | 1    | 23   | 44940    | GROUND CONTROL PANEL<br>W/DECAL.....   | 1    |
| 4    | 66821    | BASE,WITHOUT CONTACTS.....                                                  | 1    |      |          | <i>includes index number 22</i>        |      |
| --   | 66818    | CONTACT,NC.....                                                             | 2    | 24   | 5094     | SCREW,RHM,10-32 X .5.....              | 2    |
| 5    | 66821    | BASE,WITHOUT CONTACTS.....                                                  | 1    | 25   | 6607     | WASHER,LOCK,#10 PLTD.....              | 4    |
| --   | 66816    | CONTACT,N.O.....                                                            | 2    | 26   | 6606     | SCREW,RHM,10-32 X .75.....             | 2    |
| 6    | 42385    | CABLE ASSY,Z20.....                                                         | 1    | 27   | 128202   | SWITCH TOGGLE ASSY DPDT 3P<br>MOM..... | 3    |
| 7    | 49816    | SCREW,PHILLIPS,PHM,10-32 X<br>.75.....                                      | 1    |      |          | <i>includes mounting fasteners</i>     |      |
| 8    | 6146     | WASHER,FLAT,MS,#10,Y.....                                                   | 6    | 27   | 16397-S  | SWITCH,TOGGLE,DPDT,3POS<br>MOMEN.....  | 3    |
| 9    | 6178     | NUT,NYLOCK,10-32.....                                                       | 5    |      |          | <i>includes mounting fasteners</i>     |      |
| 10   | 19506    | HOUR METER,10-80 VOLTS***.....                                              | 1    | 28   | 42730-S  | SWITCH,TOGGLE SPDT,2POS<br>MOMEN.....  | 1    |
|      |          | <i>includes mounting bracket</i>                                            |      |      |          | <i>includes mounting fasteners</i>     |      |
| 11   | 122512   | KIT,KEYSWITCH SVC BB & SM<br>BOOM<br><i>includes index number 5</i>         |      | 29   | 13037-S  | SWITCH,TOGGLE,SPDT,3POS<br>MOMEN*..... | 1    |
| --   | 122366   | KEYSWITCH,CONTACTS LOCK                                                     |      |      |          | <i>includes mounting fasteners</i>     |      |
| --   | 21982    | KEY,SINGLE***                                                               |      | 30   | 147093   | ASSY, CIRCUIT BREAKER 10A.....         | 2    |
| --   | 66811    | KEYSWITCH,3POS.MNTND.DR<br>WKEY**.....                                      | 1    |      |          | <i>includes mounting fasteners</i>     |      |
|      |          | <i>includes keyswitch and two keys, not<br/>included: base or contacts.</i> |      |      |          |                                        |      |
| 12   | 122514   | KIT,ESTOP SVC BB&SM BOOM.....                                               | 1    |      |          |                                        |      |
|      |          | <i>includes index number 4</i>                                              |      |      |          |                                        |      |
| 12   | 66812    | E-STOP BUTTON.....                                                          | 1    |      |          |                                        |      |
| --   | 66812    | E-STOP BUTTON.....                                                          | 1    |      |          |                                        |      |
| 13   | 27246    | BOOT,TOGGLE<br>SWITCH,SHORT*.....                                           | 5    |      |          |                                        |      |
| 14   | 42315    | DIN RAIL,6.38".....                                                         | 2    |      |          |                                        |      |
| 15   | 25974    | PLASTIC END STOP.....                                                       | 4    |      |          |                                        |      |
| 16   | 33608    | RELAY,SOCKET,OMRON.....                                                     | 3    |      |          |                                        |      |
| 17   | 42617    | CLIP,SPRING,POTTER BRUMFIELD<br><i>from SN 114</i>                          |      |      |          |                                        |      |
| --   | 33609    | RELAY,HOLD DOWN,OMRON<br><i>to SN 113</i>                                   |      |      |          |                                        |      |
| 18   | 42616    | RELAY,POTTER BRUMFIELD 24V **<br><i>from SN 114</i>                         |      |      |          |                                        |      |
| --   | 42616    | RELAY,POTTER BRUMFIELD 24V **<br><i>to SN 113</i>                           |      |      |          |                                        |      |
| 19   | 56213    | TERMINAL RAIL.....                                                          | 26   |      |          |                                        |      |
| 20   | 25837    | TERMINAL STRIP END PLATE.....                                               | 1    |      |          |                                        |      |

## 207.1 Function Manifold



## 207.1 Function Manifold

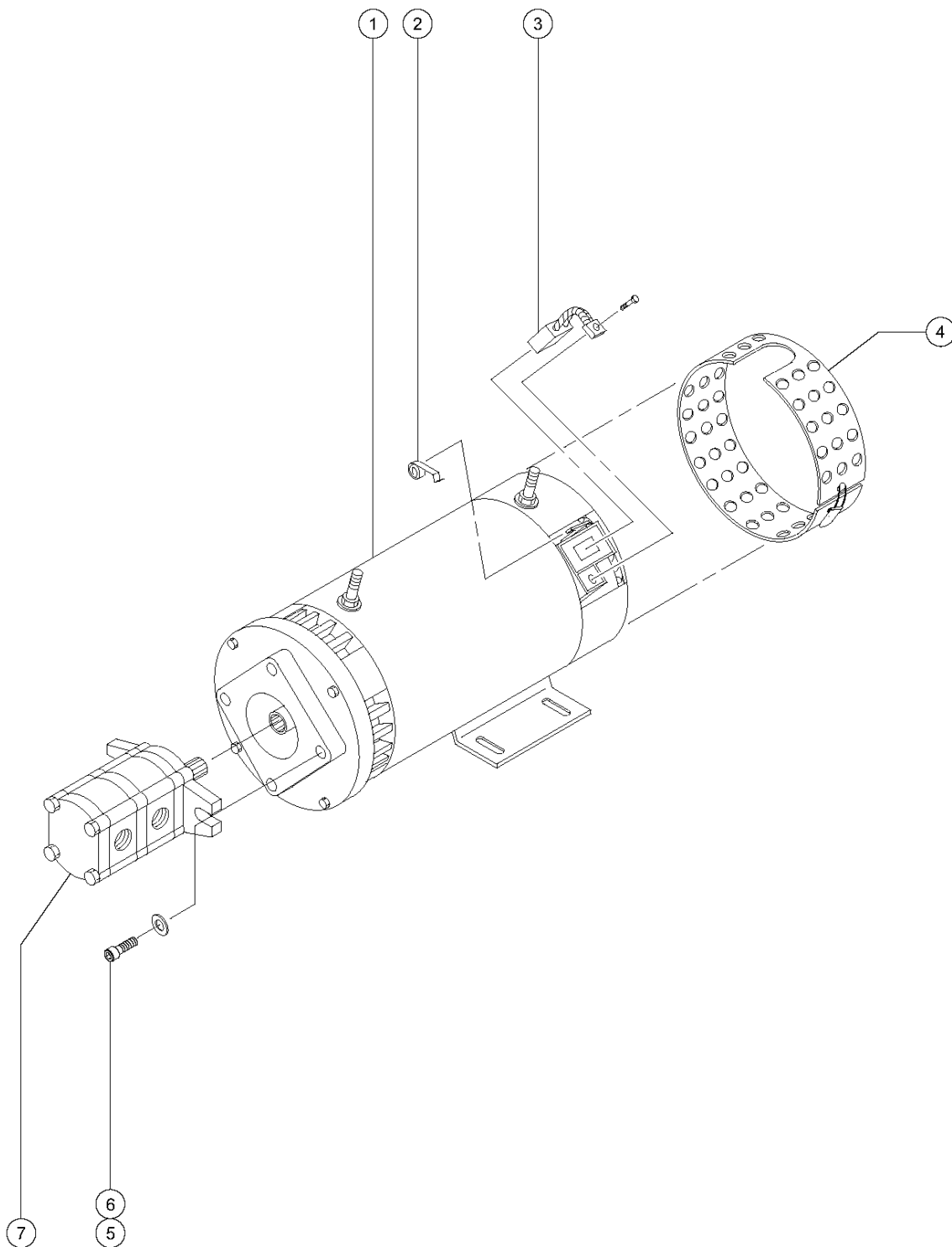
| Item | Part No. | Description                                   | Qty. | Item | Part No. | Description                            | Qty. |
|------|----------|-----------------------------------------------|------|------|----------|----------------------------------------|------|
| A    |          | Relief Valve<br><i>Boom Down</i>              |      | 2    | 110196   | SEAL KIT, VALVE, #10                   |      |
| B    |          | Solenoid Valve<br><i>Steer Left/Right</i>     |      | 2    | 40422    | COIL,SOLENOID,20V W/<br>DIODE,#10..... | 1    |
| C    |          | Check Valve<br><i>Auxiliary Pump</i>          |      | 2    | 44955    | VALVE,SOLENOID,20V W/<br>DIODE.....    | 1    |
| D    |          | Relief Valve<br><i>Steering Circuit</i>       |      | 2    | 52943    | NUT,SOLENOID VALVE.....                | 1    |
| E    |          | Orifice, Plug<br><i>Brake Circuit</i>         |      | 2    | 74907    | VALVE,SOLENOID,W/O COIL.....           | 1    |
| F    |          | Solenoid Valve<br><i>High/Low Drive Speed</i> |      | 3    | 45543    | VALVE,CHECK, 50 PSI.....               | 2    |
| G    |          | Shuttle Valve<br><i>Brake Circuit</i>         |      | 3    | 74902    | SEAL KIT, VALVE                        |      |
| H    |          | Solenoid Valve<br><i>Pump Unload</i>          |      | 4    | 110194   | SEAL KIT, VALVE, #10                   |      |
| I    |          | Solenoid Valve<br><i>Jib/Rotate Bypass</i>    |      | 4    | 45491    | VALVE,RELIEF 2000 PSI.....             | 1    |
| J    |          | Relief Valve<br><i>Drive Counterbalance</i>   |      | 5    | 20224    | DIAGNOSTIC FEMALE<br>Q-DSCNT.....      | 1    |
| K    |          | Solenoid Valve<br><i>Drive Reverse</i>        |      | 5    | 48880    | CAP,DIAGNOSTIC NIPPLE.....             | 1    |
| L    |          | Orifice, Plug<br><i>Brake Circuit</i>         |      | 5    | 48997    | NIPPLE,DIAGNOSTIC,#4<br>PORT***.....   | 1    |
| M    |          | Solenoid Valve<br><i>Steer Circuit</i>        |      | 6    | 52724    | PLUG,ORIFICE,0.030 (50684),.....       | 2    |
| N    |          | Solenoid Valve<br><i>Brake Release</i>        |      | 7    | 40422    | COIL,SOLENOID,20V W/<br>DIODE,#10..... | 1    |
| O    |          | Solenoid Valve<br><i>Drive Forward</i>        |      | 7    | 44952    | VALVE, SOLENOID, 20 V<br>W/DIODE.....  | 1    |
| P    |          | Flow Regulator<br><i>Steer/Jib Rotate</i>     |      | 7    | 52943    | NUT,SOLENOID VALVE.....                | 1    |
| Q    |          | Check Valve<br><i>Auxiliary Pump</i>          |      | 7    | 74909    | VALVE,2POS 4WAY W/O COIL.....          | 1    |
| R    |          | Relief Valve<br><i>System Relief</i>          |      | 8    | 45483    | VALVE,SHUTTLE***.....                  | 1    |
| S    |          | Solenoid Valve<br><i>Boom Down</i>            |      | 9    | 40413    | COIL,SOLENOID,20V W/<br>DIODE,#8*..... | 3    |
| T    |          | Solenoid Valve<br><i>BoomUp</i>               |      | 9    | 44956    | VALVE,SOLENOID 20V<br>W/DIODE.....     | 3    |
| --   | 28750    | O-RING KIT,FIELD SVC,ALL PROD*                |      | 9    | 45912    | NUT,SOLENOID,2POS 3WAY.....            | 3    |
| --   | 33994    | PLUG AND CAP KIT-SERVICE,37ø**                |      | 9    | 74901    | VALVE, SOLENOID, W/O COIL.....         | 3    |
| --   | 36864    | MANIFOLD,MAIN, Z20/8                          |      | 9    | 74902    | SEAL KIT, VALVE                        |      |
| 1    | 110194   | SEAL KIT, VALVE, #10                          |      | 10   | 40413    | COIL,SOLENOID,20V W/<br>DIODE,#8*..... | 1    |
| 1    | 44950    | VALVE,RELIEF,1500 PSI***.....                 | 1    | 10   | 44998    | VALVE,SOLENOID,2POS 2WAY<br>N.O.*..... | 1    |
|      |          |                                               |      | 10   | 45912    | NUT,SOLENOID,2POS 3WAY.....            | 1    |
|      |          |                                               |      | 10   | 74910    | VALVE, 2WAY SOLENOID W/O<br>COIL.....  | 1    |
|      |          |                                               |      | 10   | 89297    | SEAL KIT, SOLENOID VALVE               |      |
|      |          |                                               |      | 11   | 40422    | COIL,SOLENOID,20V W/<br>DIODE,#10..... | 2    |
|      |          |                                               |      | 11   | 44953    | VALVE,SOLENOID,20V W/<br>DIODE.....    | 2    |

## 207.1 Function Manifold (continued)

| Item | Part No. | Description                             | Qty. |
|------|----------|-----------------------------------------|------|
| 11   | 45912    | NUT,SOLENOID,2POS 3WAY.....2            |      |
| 11   | 74908    | VALVE, 2POS 3WAY, W/O COIL.....2        |      |
| 11   | 89310    | SEAL KIT, SOLENOID VALVE                |      |
| 12   | 18912    | VALVE,FLOW REGULATOR .75.....1          |      |
| 12   | 72049    | SEAL, CHECK VALVE                       |      |
| 13   | 110194   | SEAL KIT, VALVE, #10                    |      |
| 13   | 45779    | VALVE,RELIEF (45028<br>MANIFOLD)*.....1 |      |
| 14   | 40413    | COIL,SOLENOID,20V W/<br>DIODE,#8*.....2 |      |
| 14   | 44954    | VALVE,SOLENOID,20V W/ DIODE<br>**.....2 |      |
| 14   | 52943    | NUT,SOLENOID VALVE.....2                |      |
| 14   | 72043    | SEAL KIT,SOLENOID VALVE                 |      |
| 14   | 74899    | VALVE, SOLENOID, W/O COIL.....2         |      |

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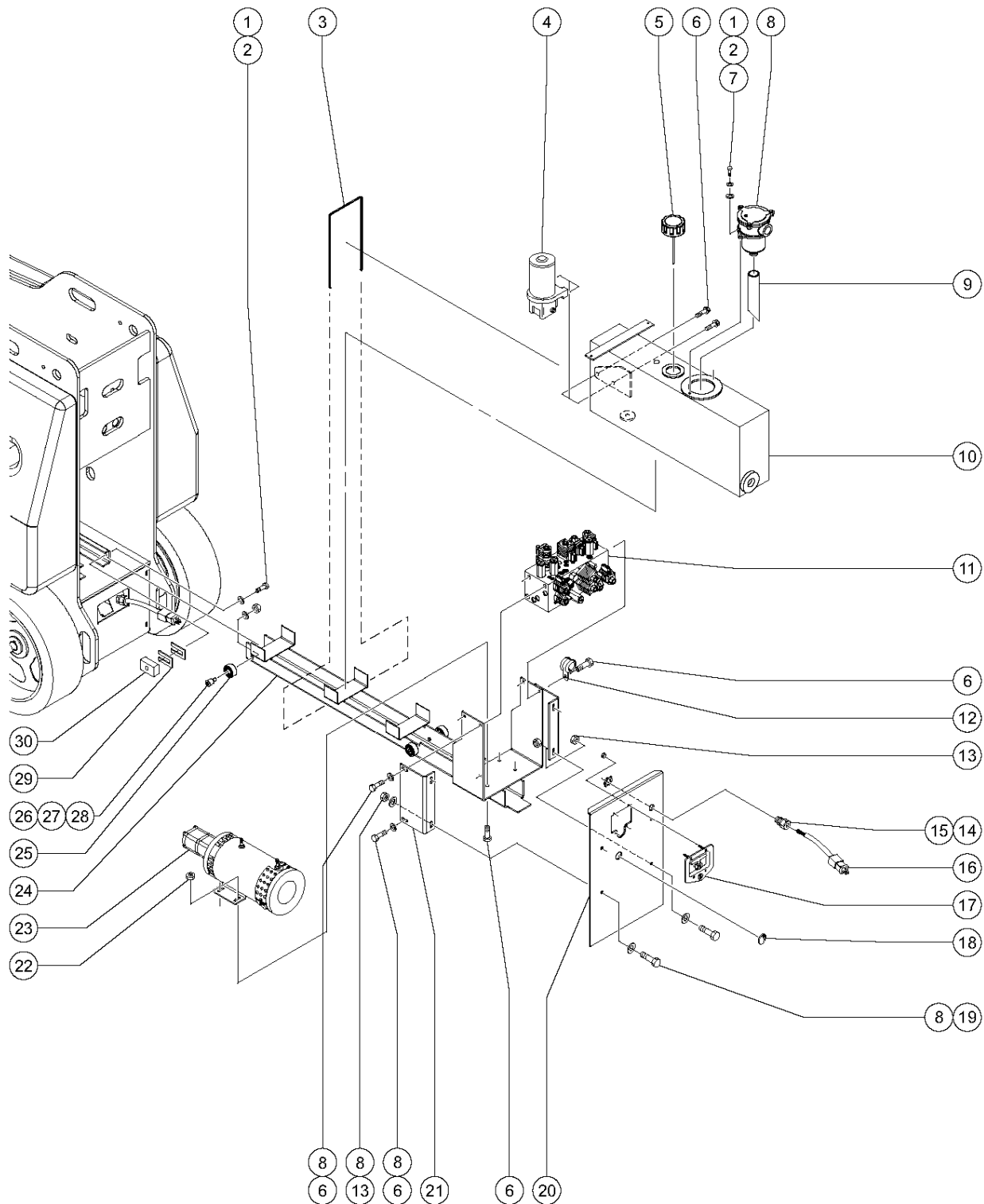
## 208.1 Hydraulic Power Unit



## 208.1 Hydraulic Power Unit

| Item | Part No. | Description                                                    | Qty. |
|------|----------|----------------------------------------------------------------|------|
| --   | 65635    | POWER UNIT ASSEMBLY (Z-20)                                     |      |
| 1    | 36843    | MOTOR,48VDC.....1<br><i>includes index numbers 2 through 4</i> |      |
| 1    | 44778    | BEARING,MOTOR,36843,BRUSH<br>END*.....1                        |      |
| 1    | 44963    | BEARING,MOTOR,36843, FAN<br>END.....1                          |      |
| 1    | 46261    | MOTOR LEAD ASSY KIT, 36843.....1                               |      |
| 2    | 44960    | SPRING,MOTOR BRUSH, 36843....4                                 |      |
| 3    | 44961    | BRUSH,MOTOR,36843.....4                                        |      |
| 4    | 44962    | MOTOR HEADBAND,36843.....1                                     |      |
| 5    | 44064    | SCREW,HHC,M10 X 30MM,.....2                                    |      |
| 6    | 22700    | WASHER,LOCK,M10.....2                                          |      |
| 7    | 56652    | GEAR PUMP,2 SECT, 8CC X<br>4CC.....1<br><i>from SN 125</i>     |      |
| 7    | 56735    | PUMP KIT, Z20N***.....1<br><i>to SN 124</i>                    |      |
| 7    | 62215    | SEAL KIT-TANDEM PUMP 55940....1                                |      |

## 209.1 Hydraulic Installation (after December 1997)

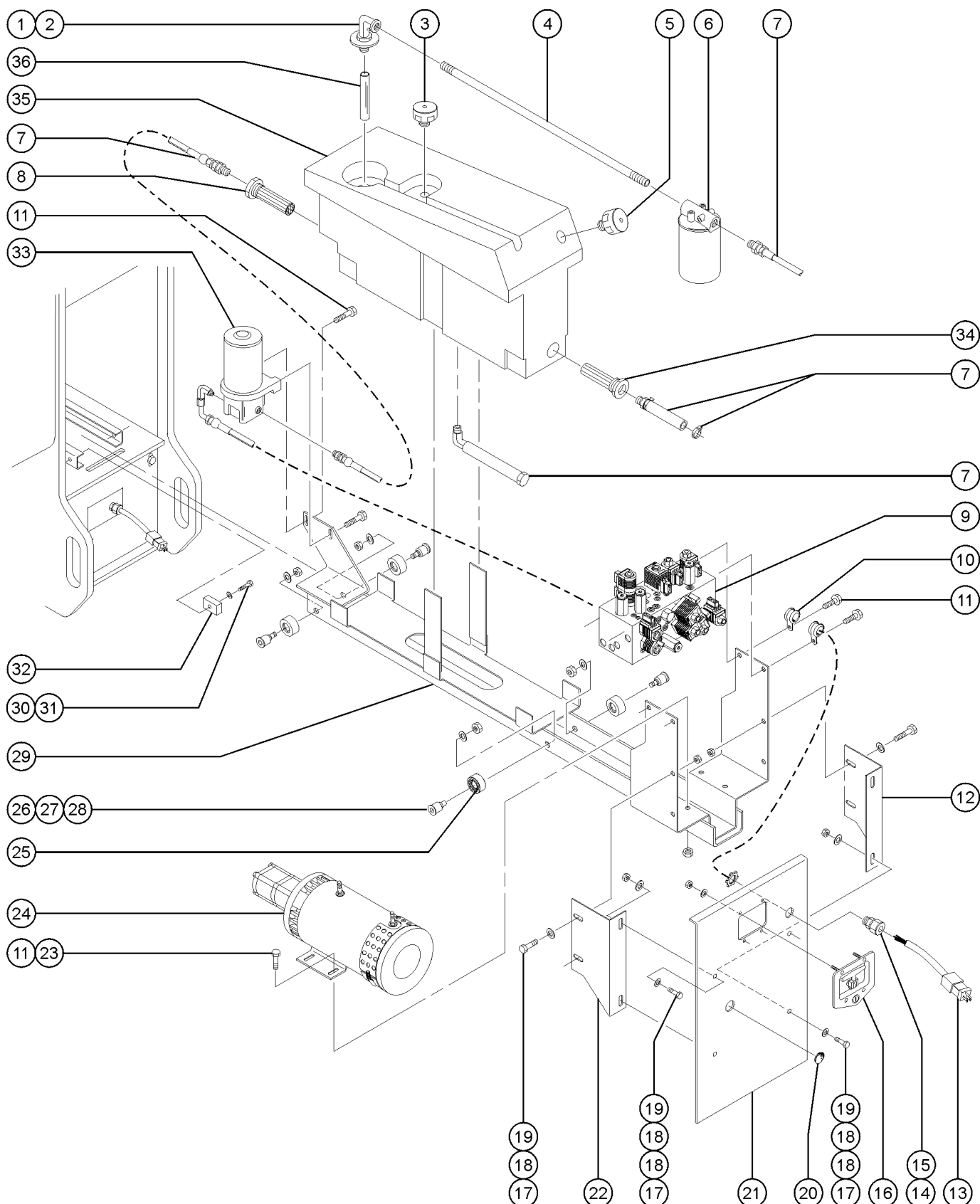




## 209.1 Hydraulic Installation (after December 1997)

| Item | Part No. | Description                                              | Qty. | Item | Part No. | Description                     | Qty. |
|------|----------|----------------------------------------------------------|------|------|----------|---------------------------------|------|
| --   |          |                                                          |      | 24   | 42672    | COMPONENT TRAY<br>WELDMENT..... | 1    |
| 1    | 6888     | SCREW,HHC,1/4-20 X 1.....                                | 5    | 25   | 38016    | ROLLER,PLASTIC,AWP96**.....     | 4    |
| 2    | 6356     | WASHER,LOCK,,25.....                                     | 5    | 26   | 35706    | BOLT,ROLLER,,470"(SHORT).....   | 4    |
| 3    | 42944    | HOSE CLAMP,11 IN.....                                    | 1    | 27   | 5397     | WASHER,FLAT,USS,5/16",Y.....    | 4    |
| 4    | 36179    | POWER UNIT,AUX PUMP<br>24VDC.....                        | 1    | 28   | 7713     | NUT,LP NYLOCK,3/8-16.....       | 4    |
| 4    | 37186    | VALVE,CHECK (36179).....                                 | 1    | 29   | 56041    | SHIM,1.00X.064.....             | 4    |
| 4    | 37187    | SEAL KIT, 37185 PUMP.....                                | 1    | 30   | 42444    | STOP,COMPONENT TRAY.....        | 2    |
| 4    | 37192    | COUPLER, PUMP / MOTOR<br>(36179).....                    | 1    |      |          |                                 |      |
| 5    |          | CAP W/DIPSTICK.....                                      | 1    |      |          |                                 |      |
|      |          | <i>component no longer available</i>                     |      |      |          |                                 |      |
| 6    | 18506    | 5/16-18 X .75<br>LG.FLG.LCK.SCREW.....                   | 10   |      |          |                                 |      |
| 7    | 6638     | WASHER,FLAT,USS,1/4"Y.....                               | 11   |      |          |                                 |      |
| 8    | 52627    | FILTER,ELEMENT,10<br>MICRON,42682.....                   | 1    |      |          |                                 |      |
| 8    | T109281  | FILTER ASSY,RETURN.....                                  | 1    |      |          |                                 |      |
| 9    | 42929    | HOSE,RET.FILTER DWN TUBE<br>RUBBE.....                   | 1    |      |          |                                 |      |
| 10   | 42680    | TANK,HYDRAULIC,7 GALLON.....                             | 1    |      |          |                                 |      |
| 11   |          | Ref. Function Manifold.....                              | 1    |      |          |                                 |      |
|      |          | <i>refer to 207.1</i>                                    |      |      |          |                                 |      |
| 12   | 45454    | CLAMP,RUB CUSH,0.75,#12 X<br>3/8*.....                   | 4    |      |          |                                 |      |
| 13   | 6091     | NUT,NYLOCK,1/4-20.....                                   | 4    |      |          |                                 |      |
| 14   | 7056     | CONN,SQUEEZE,1/2NPT<br>.38-.50,SM.....                   | 1    |      |          |                                 |      |
| 15   | 6935     | LOCKNUT,ELEC,1/2".....                                   | 1    |      |          |                                 |      |
| 16   | 6595     | PLUG,ELECTRICAL,DOMESTIC.....                            | 1    |      |          |                                 |      |
| 17   | 29314    | KEY,LATCH, 1 PAIR (28125).....                           | 1    |      |          |                                 |      |
| 17   | 56037    | LATCH,SLAM WITH KEY.....                                 | 1    |      |          |                                 |      |
|      |          | <i>includes mounting hardware and 1 pair<br/>of keys</i> |      |      |          |                                 |      |
| 18   | 45385    | PLUG,NYLON 1.12 BLACK<br>DOMED.....                      | 1    |      |          |                                 |      |
| 19   | 6090     | SCREW,HHC,1/4-20 X .75.....                              | 4    |      |          |                                 |      |
| 20   | 74796    | COMPONENT TRAY COVER<br>W/DECALS.....                    | 1    |      |          |                                 |      |
| 21   | 56038    | REAR COVER MOUNT<br>BRACKET.....                         | 2    |      |          |                                 |      |
| 22   | 18503    | NUT,LOCKING-LG.FLANGE,5/16-18.4                          |      |      |          |                                 |      |
| 23   |          | Ref. Hydraulic Power Unit.....                           | 4    |      |          |                                 |      |
|      |          | <i>refer to 208.1</i>                                    |      |      |          |                                 |      |

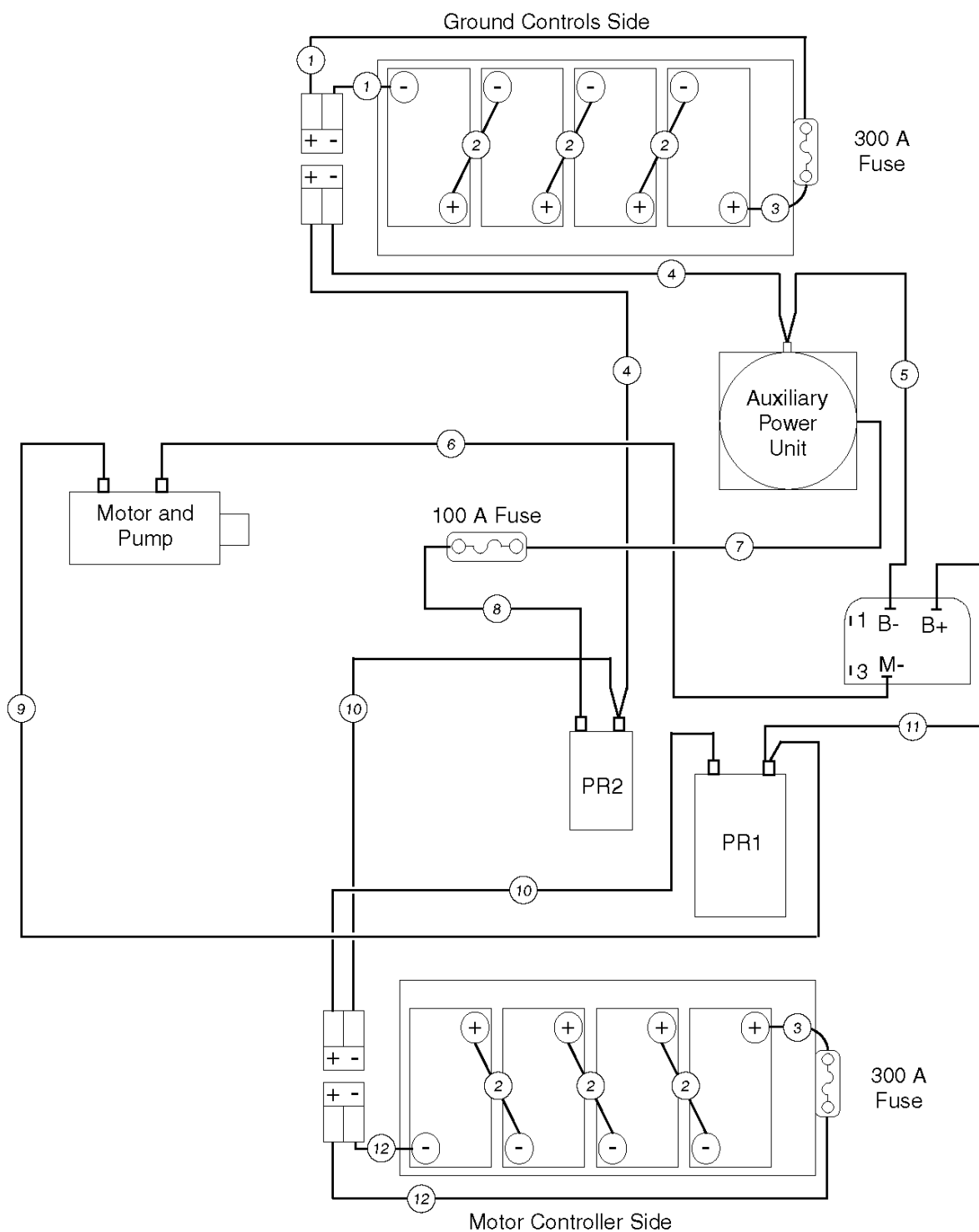
## 210.1 Hydraulic Installation (before January 1998)



## 210.1 Hydraulic Installation (before January 1998)

| Item | Part No. | Description                                                                                | Qty. | Item | Part No. | Description                                                     | Qty. |
|------|----------|--------------------------------------------------------------------------------------------|------|------|----------|-----------------------------------------------------------------|------|
| --   | 56735    | PUMP KIT, Z20N***<br><i>for all models with Barnes Pumps</i>                               |      | 22   | 42177    | BRACKET, REAR COVER MOUNT<br>L.H.....                           | 1    |
| 1    | 42368    | ELBOW, STREET,<br>1/2"NPT, STLYELZN.....                                                   | 1    | 23   | 18503    | NUT, LOCKING-LG.FLANGE, 5/16-18.4                               |      |
| 2    | 39223    | BULKHEAD FITTING, PLASTIC X<br>8**.....                                                    | 1    | 24   |          | Ref. Hydraulic Power Unit.....<br><i>refer to section 208.1</i> | 4    |
| 3    | 78546    | BREATHER CAP, HYD. TANK, 1/4<br>NPT.....                                                   | 1    | 25   | 38016    | ROLLER, PLASTIC, AWP96**.....                                   | 4    |
| 4    | 42367    | NIPPLE, 1/2"NPTX24", STL, YELZINC.1                                                        |      | 26   | 35706    | BOLT, ROLLER, .470"(SHORT).....                                 | 4    |
| 5    | 42279    | CAP, TANK, PLASTIC.....                                                                    | 1    | 27   | 5397     | WASHER, FLAT, USS, 5/16", Y.....                                | 4    |
| 6    | 44788    | FILTER<br>ELEMENT, 10MICRON, PAPER*.....                                                   | 1    | 28   | 4828     | NUT, NYLOCK, 3/8-16.....                                        | 4    |
| 6    | 78622    | FILTER ASSY, SAE8, 10<br>MIC, PAPR**.....                                                  | 1    | 29   | 42043    | WELDMNT, COMPONENT<br>TRAY.....                                 | 1    |
| 7    |          | Ref. Hydraulic Hoses and Fittings.....<br><i>refer to section 213.1</i>                    | 1    | 30   | 6888     | SCREW, HHC, 1/4-20 X 1.....                                     | 2    |
| 8    | 36998    | STRAINER ASSY 1"NPT TANK<br>MTD.....                                                       | 1    | 31   | 6356     | WASHER, LOCK, .25.....                                          | 2    |
| 9    | 36864    | MANIFOLD, MAIN, Z20/8.....                                                                 | 1    | 32   | 42444    | STOP, COMPONENT TRAY.....                                       | 2    |
| 10   | 45454    | CLAMP, RUB CUSH, 0.75, #12 X<br>3/8*.....                                                  | 4    | 33   | 36179    | POWER UNIT, AUX PUMP<br>24VDC.....                              | 1    |
| 11   | 18506    | 5/16-18 X .75<br>LG.FLG.LCK.SCREW.....                                                     | 10   | 33   | 37184    | MOTOR, 24V (36179).....                                         | 1    |
| 12   | 42176    | BRACKET, REAR COVER MOUNT<br>R.H.....                                                      | 1    | 33   | 37185    | PUMP ASSEMBLY (36179).....                                      | 1    |
| 13   | 25388    | PLUG, FUSED, 250V, 13AMP, U.K.**...<br>UK                                                  | 2    | 33   | 37186    | VALVE, CHECK (36179).....                                       | 1    |
| 13   | 49583    | Z20/30/34 OPTION, EURO PLUG....<br><i>North America</i>                                    | 2    | 33   | 37187    | SEAL KIT, 37185 PUMP.....                                       | 1    |
| 14   | 7056     | CONN, SQUEEZE, 1/2NPT<br>.38-.50, SM.....                                                  | 2    | 33   | 37191    | GASKET, PUMP / MOTOR<br>(36179).....                            | 1    |
| 15   | 6935     | LOCKNUT, ELEC, 1/2".....                                                                   | 2    | 33   | 37192    | COUPLER, PUMP / MOTOR<br>(36179).....                           | 1    |
| 16   | 29314    | KEY, LATCH, 1 PAIR (28125).....                                                            | 1    | 34   | 45162    | STRAINER ASSEMBLY-LIFT.....                                     | 1    |
| 16   | 33510    | LOCK PLUG ASSY, ( 28125 ).....                                                             | 1    | 35   | 36856    | TANK, HYDRAULIC, 8 GALLON.....                                  | 1    |
| 16   | 74245    | LATCH, FLUSH CUP LEFT HAND....<br><i>includes mounting hardware and 1 pair<br/>of keys</i> | 1    | 36   | 39226    | NIPPLE, PLASTIC .5 NPT X 6".....                                | 1    |
| 17   | 6090     | SCREW, HHC, 1/4-20 X .75.....                                                              | 4    |      |          |                                                                 |      |
| 18   | 6638     | WASHER, FLAT, USS, 1/4"Y.....                                                              | 14   |      |          |                                                                 |      |
| 19   | 6091     | NUT, NYLOCK, 1/4-20.....                                                                   | 12   |      |          |                                                                 |      |
| 20   | 45385    | PLUG, NYLON 1.12 BLACK<br>DOMED.....                                                       | 2    |      |          |                                                                 |      |
| 21   | 74796    | COMPONENT TRAY COVER<br>W/DECALS.....                                                      | 1    |      |          |                                                                 |      |

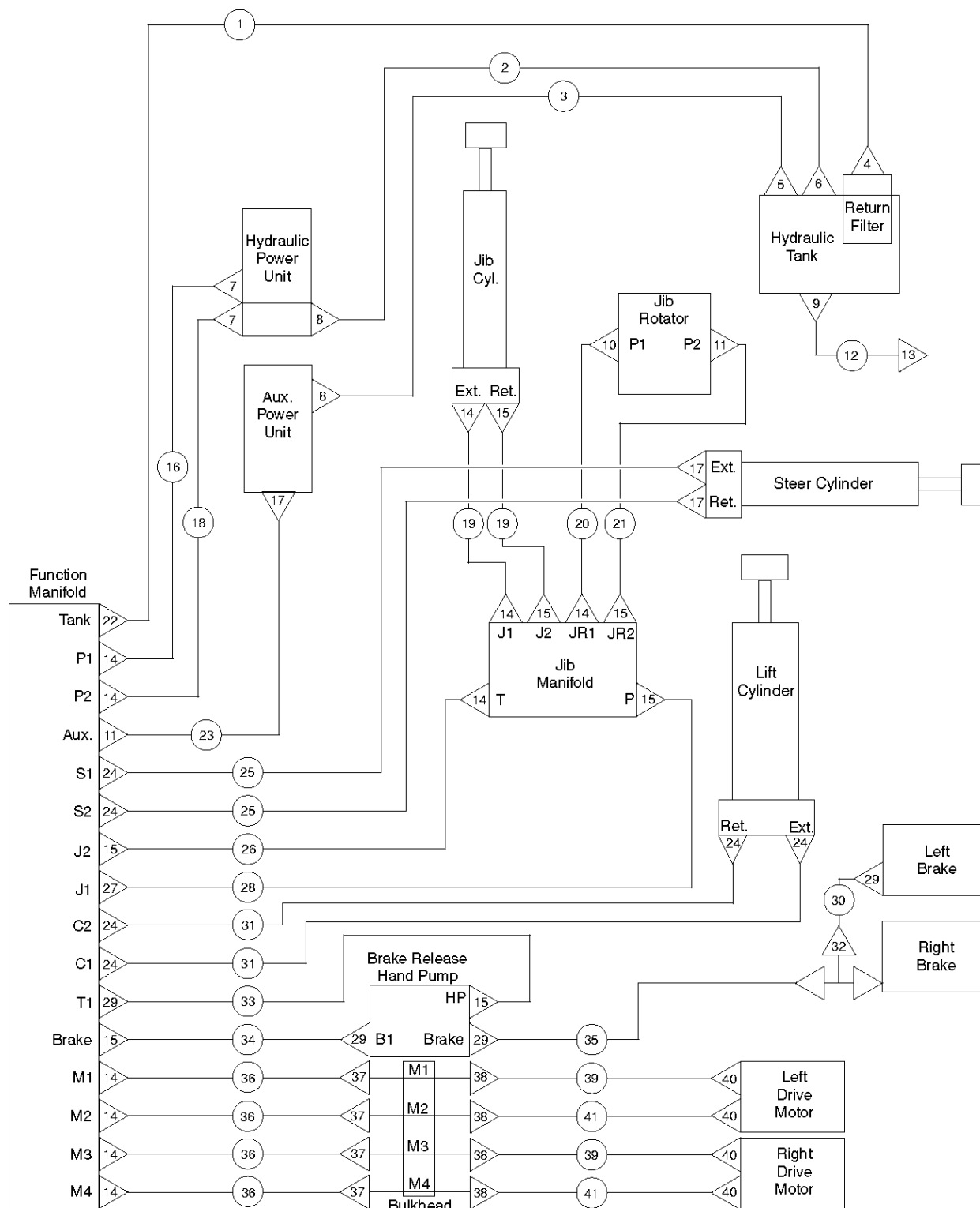
## 211.1 Power Cables, Drive Chassis



## 211.1 Power Cables, Drive Chassis

| Item | Part No. | Description                            | Qty. |
|------|----------|----------------------------------------|------|
| 1    | 128138   | CONN HOUSING SBX175, BATT....          | 1    |
| 1    | 44827    | BATTERY CABLE,BATT<br>PACK,LS,Z20..... | 1    |
| 2    | 19520    | BATTERY CABLE<br>ASSY,9.5"JUMPER.....  | 6    |
| 3    | 44822    | CABLE ASSY,BATT.TO<br>FUSE,LS,Z20..... | 2    |
| 4    | 128138   | CONN HOUSING SBX175, BATT....          | 1    |
| 4    | 44825    | BATTERY CABLE<br>ASSY,CHASSIS,LS.....  | 1    |
| 5    | 46220    | CABLE ASSEMBLY,96",BLACK.....          | 1    |
| 6    | 46219    | CABLE ASSEMBLY,67",BLACK.....          | 1    |
| 7    | 46224    | CABLE ASSEMBLY,96",RED.....            | 1    |
| 8    | 46223    | CABLE ASSEMBLY,2.5",RED.....           | 1    |
| 9    | 46226    | CABLE ASSEMBLY,70",RED.....            | 1    |
| 10   | 128138   | CONN HOUSING SBX175, BATT....          | 1    |
| 10   | 44824    | BATTERY CABLE<br>ASSY,CHASSIS,RS.....  | 1    |
| 11   | 46225    | CABLE ASSEMBLY,9" RED.....             | 1    |
| 12   | 128138   | CONN HOUSING SBX175, BATT....          | 1    |
| 12   | 44826    | BATTERY CABLE,BATT<br>PACK,RS,Z20..... | 1    |

## 212.1 Hydraulic Hoses and Fittings (after December 1997)



## 212.1 Hydraulic Hoses and Fittings (after December 1997)

| Item | Part No. | Description                            | Qty. | Item | Part No. | Description                            | Qty. |
|------|----------|----------------------------------------|------|------|----------|----------------------------------------|------|
| 1    | 42977    | HOSE ASSY,RET FILT TO MAN<br>TK.....1  | 1    | 24   | 48912    | CONN,520120-4-6***.....6               | 6    |
| 2    | 42978    | HOSE ASSY,HYD TANK TO HYD<br>PM.....1  | 1    | 25   | 42982    | HOSE ASSY,FUNC MAN S1 TO<br>CYL.....2  | 2    |
| 3    | 42975    | HOSE ASSY,APU TO HYD TANK.....1        | 1    | 26   | 74181    | HOSE ASSY,FUNC MAN TO JIB<br>MAN.....1 | 1    |
| 4    | 48948    | CONN,520120-8-12.....1                 | 1    | 27   | 48900    | CONN,520120-4-6,.035,ORI.....1         | 1    |
| 5    | 42953    | ELBOW,90DEG,FEM,1/2NPT.....1           | 1    | 28   | 74182    | HOSE ASSY,FUNC MAN TO JIB<br>MAN.....1 | 1    |
| 6    | 48966    | CONN,520102-12.....1                   | 1    | 29   | 48904    | ELBOW,90D,520220-4-4.....3             | 3    |
| 7    | 48930    | FITTING,CONN,520120-6-8***.....2       | 2    | 30   | 42980    | HOSE ASSY,RT BRAKE TO LFT<br>BK.....1  | 1    |
| 8    | 48915    | ELBOW,90D,520220-6.....2               | 2    | 31   | 42983    | HOSE ASSY,FUNC MAN<br>C1/C2-CYL.....2  | 2    |
| 9    | 42874    | ELBOW,90D,520202-6-8.....1             | 1    | 32   | 48906    | TEE,RUN,520428-4.....1                 | 1    |
| 10   | 48928    | ELBOW,45D,520320-6-4.....1             | 1    | 33   | 56369    | HOSE ASSY,HAND PUMP TO T1....1         | 1    |
| 11   | 48907    | ELBOW,45D,520320-4.....2               | 2    | 34   | 42964    | HOSE ASSY,HAND PMP B1 TO<br>MAN.....1  | 1    |
| 12   | 42967    | HOSE ASSY,HYD.TANK DRAIN<br>LI.....1   | 1    | 35   | 42965    | HOSE ASSY,RT BRK TO HAND<br>P.....2    | 2    |
| 13   | 48873    | PLUG,520109-6,ORFS.....1               | 1    | 36   | 42986    | HOSE ASSY,BLKHD M3 TO FUNC<br>M.....3  | 3    |
| 14   | 48916    | FITTING,CONN,520120-6.....10           | 10   | 37   | 48925    | ELBOW,90D,BLKHD,ORFS-6 NO<br>NUT.....4 | 4    |
| 15   | 48905    | CONN,520120-4***.....7                 | 7    | 38   | 56352    | NUT,BULKHEAD,ORFS-6.....4              | 4    |
| 16   | 42973    | HOSE ASSY,PUMP OUT TO MAN<br>P1.....1  | 1    | 39   | 42985    | HOSE ASSY,BLKHD M3 TO REAR<br>M.....2  | 2    |
| 17   | 48911    | ELBOW,90D,520220-4-6***.....3          | 3    | 40   | 48946    | CONN,520120-8-10.....4                 | 4    |
| 18   | 42974    | HOSE ASSY,PUMP RR TO MAN<br>P2.....1   | 1    | 41   | 42981    | HOSE ASSY,BLKHD M4 TO FRNT<br>M.....2  | 2    |
| 19   | 74984    | HOSE ASSY,JIB MAN TO JIB<br>CYL.....2  | 2    |      |          |                                        |      |
| 20   | 74180    | HOSE ASSY,JIB MAN TO PLAT<br>ROT.....1 | 1    |      |          |                                        |      |
| 21   | 74179    | HOSE ASSY,JIB MAN TO PLAT<br>ROT.....1 | 1    |      |          |                                        |      |
| 22   | 48933    | CONN,520120-8***.....1                 | 1    |      |          |                                        |      |
| 23   | 42972    | HOSE ASSY,APU OUT TO FUNC<br>MA.....1  | 1    |      |          |                                        |      |
|      |          |                                        |      |      |          |                                        |      |

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**212.1 Hydraulic Hoses and Fittings (after December 1997)**  
(continued)

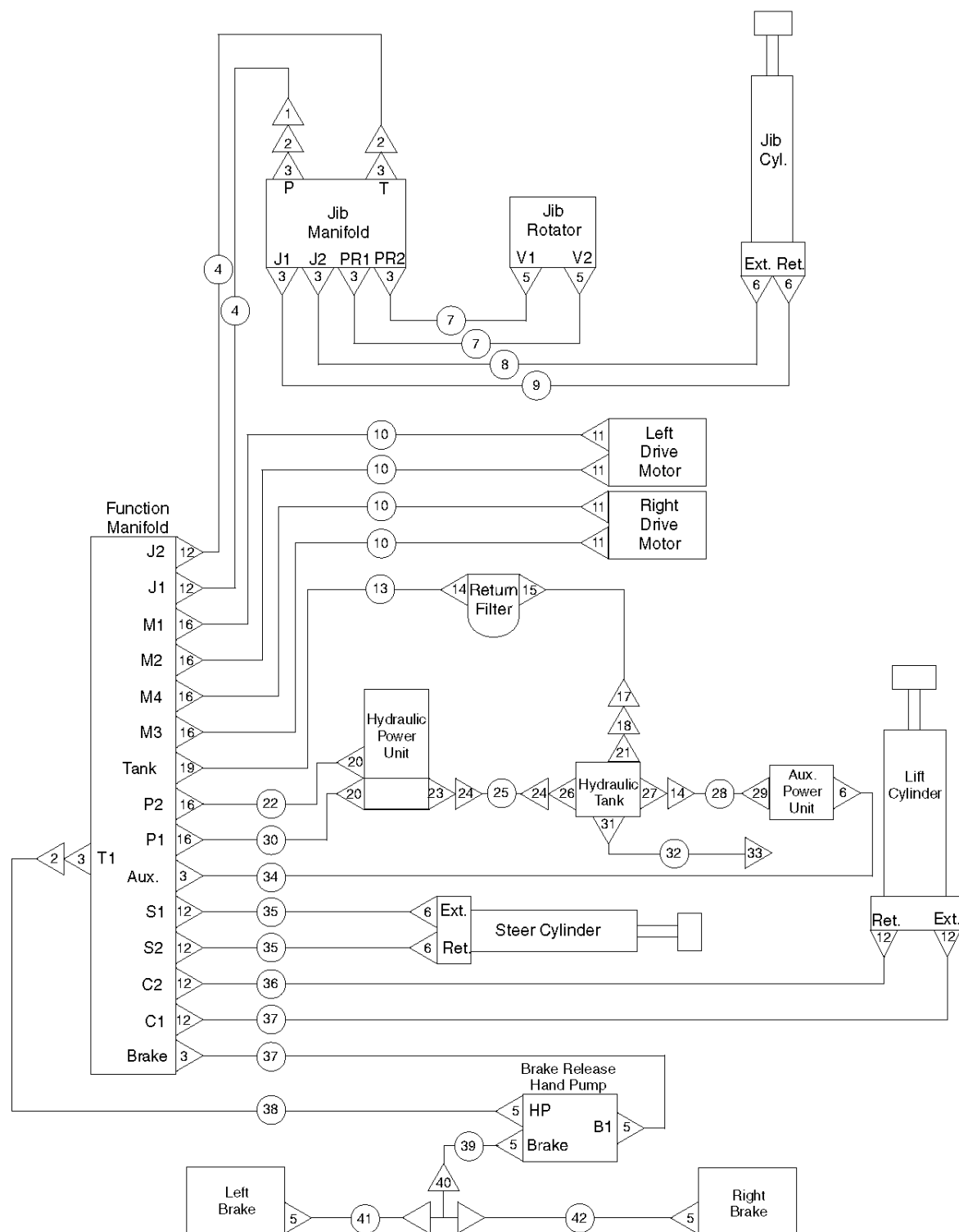
| Item | Part No. | Description | Qty. | Item | Part No. | Description | Qty. |
|------|----------|-------------|------|------|----------|-------------|------|
|------|----------|-------------|------|------|----------|-------------|------|



## 212.1 Hydraulic Hoses and Fittings (after December 1997)

| Item             | Part No. | Description                                                                                                                                                                 | Qty. | Item | Part No. | Description                                                                                                                                                             | Qty. |
|------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>Footnotes</b> |          |                                                                                                                                                                             |      |      |          |                                                                                                                                                                         |      |
|                  |          | <b>1:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8) and Hose, 1/2 inch (Parker No. 451TC-8)                |      |      |          | <b>11:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4) and Hose, 1/4 inch, 3000 psi (Parker No. 451TC-4) |      |
|                  |          | <b>2:</b> Hose End - Barbed, Female, Swivel, 45° (Parker No. 3J782-12), Hose End - Barbed, Female, Swivel, 90° (Parker No. 3J982-12) and Hose, Pushlock (Parker No. 821-12) |      |      |          | <b>12:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6) and Hose, 3/8 inch (Parker No. 471TC-6)           |      |
|                  |          | <b>3:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6), Hose End - Male, 1/2 inch (Parker No. 10143-8-6) and Hose, 3/8 inch (Parker No. 451TC-6)                    |      |      |          | <b>13:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6), Hose End - Female, Swivel, 45°, ORFS (Parker No. 1J743-8-6) and Hose, 3/8 inch (Parker No. 471TC-6)    |      |
|                  |          | <b>4:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6) and Hose, 3/8 inch (Parker No. 451TC-6)                |      |      |          |                                                                                                                                                                         |      |
|                  |          | <b>5:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6), Hose End - Female, Swivel, 90°, ORFS (Parker No. 1J943-6) and Hose, 3/8 inch (Parker No. 471TC-6)           |      |      |          |                                                                                                                                                                         |      |
|                  |          | <b>6:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6-4) and Hose, 1/4 inch, 5800 psi (Parker No. 381-4)      |      |      |          |                                                                                                                                                                         |      |
|                  |          | <b>7:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6-4) and Hose, 1/4 inch, 5800 psi (Parker No. 381-4)    |      |      |          |                                                                                                                                                                         |      |
|                  |          | <b>8:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4) and Hose, 1/4 inch, 5800 psi (Parker No. 381-4)        |      |      |          |                                                                                                                                                                         |      |
|                  |          | <b>9:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, 90°, ORFS (1J943-4) and Hose, 1/4 inch, 3000 psi (Parker No. 451TC-4)            |      |      |          |                                                                                                                                                                         |      |
|                  |          | <b>10:</b> Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, 45°, ORFS (Parker No. 1J743-4) and Hose, 1/4 inch, 5800 psi (Parker No. 381-4)  |      |      |          |                                                                                                                                                                         |      |

## 213.1 Hydraulic Hoses and Fittings (before January 1998)



## 213.1 Hydraulic Hoses and Fittings (before January 1998)

| Item | Part No. | Description                            | Qty. | Item | Part No. | Description               | Qty. |
|------|----------|----------------------------------------|------|------|----------|---------------------------|------|
| 1    | 37868    | FITTING-4 W/.030 ORIFICE.....          | 1    | 29   | 20923    | CONNECTOR,070120-8-6..... | 1    |
| 2    | 45415    | ELBOW,070221-4-4.....                  | 3    | 30   | 46385    | HOSE ASSEMBLY, 12.5"..... | 1    |
| 3    | 13755    | CONNECTOR,070120-4-4.....              | 9    |      | 5        |                           |      |
| 4    | 46404    | HOSE ASSEMBLY, 229".....               | 2    | 31   | 13114    | ELBOW,070202-4-6.....     | 1    |
|      |          | 1                                      |      | 32   | 46401    | HOSE ASSEMBLY, 24.5"..... | 1    |
| 5    | 13921    | ELBOW,070220-4-4.....                  | 7    |      | 6        |                           |      |
| 6    | 12340    | ELBOW,070220-4-6.....                  | 5    | 33   | 13971    | PLUG,070109-4.....        | 1    |
| 7    | 46403    | HOSE ASSEMBLY, 72".....                | 2    | 34   | 46384    | HOSE ASSEMBLY, 54".....   | 1    |
|      |          | 1                                      |      |      | 7        |                           |      |
| 8    | 46405    | HOSE ASSEMBLY, 32.5".....              | 1    | 35   | 46395    | HOSE ASSEMBLY, 87".....   | 2    |
|      |          | 1                                      |      |      | 7        |                           |      |
| 9    | 46406    | HOSE ASSEMBLY, 33".....                | 1    | 36   | 46402    | HOSE ASSEMBLY, 120".....  | 2    |
|      |          | 1                                      |      |      | 7        |                           |      |
| 10   | 46394    | HOSE ASSEMBLY, 112".....               | 4    | 37   | 46398    | HOSE ASSEMBLY, 24.5"..... | 1    |
|      |          | 2                                      |      |      | 8        |                           |      |
| 11   | 25877    | CONNECTOR,070120-6-10.....             | 4    | 38   | 46400    | HOSE ASSEMBLY, 25.3"..... | 1    |
| 12   | 13756    | CONNECTOR,070120-4-6.....              | 8    |      | 8        |                           |      |
| 13   | 46388    | HOSE ASSEMBLY, 7.8".....               | 1    | 39   | 46399    | HOSE ASSEMBLY, 37".....   | 1    |
|      |          | 3                                      |      |      | 8        |                           |      |
| 14   | 27577    | CONNECTOR,070102-8-8.....              | 2    | 40   | 8342     | TEE,UNION,070401-4.....   | 1    |
| 15   | 42367    | NIPPLE,1/2"NPTX24",STL,YELZINC.        | 1    | 41   | 46392    | HOSE ASSEMBLY, 29".....   | 1    |
| 16   | 45412    | CONNECTOR,070120-6-6.....              | 6    |      | 8        |                           |      |
| 17   | 42368    | ELBOW,STREET,<br>1/2"NPT,STLYELZN..... | 1    | 42   | 46393    | HOSE ASSEMBLY, 17".....   | 1    |
| 18   | 39223    | BULKHEAD FITTING,PLASTIC X<br>8**..... | 1    |      | 8        |                           |      |
| 19   | 45349    | ELBOW,070320-8-8.....                  | 1    |      |          |                           |      |
| 20   | 18687    | CONNECTOR,070120-6-8.....              | 2    |      |          |                           |      |
| 21   | 39226    | NIPPLE,PLASTIC .5 NPT X 6".....        | 1    |      |          |                           |      |
| 22   | 46386    | HOSE ASSEMBLY, 12".....                | 1    |      |          |                           |      |
|      |          | 4                                      |      |      |          |                           |      |
| 23   | 42433    | ELBOW #12 O-RING TO #12<br>BARB.....   | 1    |      |          |                           |      |
| 24   | 42586    | T-BOLT HOSE CLAMP.....                 | 2    |      |          |                           |      |
| 25   | 46389    | SOLENOID,42185.....                    | 1    |      |          |                           |      |
|      |          | 5                                      |      |      |          |                           |      |
| 26   | 45162    | STRAINER ASSEMBLY-LIFT.....            | 1    |      |          |                           |      |
| 27   | 36998    | STRAINER ASSY 1"NPT TANK<br>MTD.....   | 1    |      |          |                           |      |
| 28   | 46387    | HOSE ASSEMBLY, 2.5".....               | 1    |      |          |                           |      |
|      |          | 5                                      |      |      |          |                           |      |

## 213.1 Hydraulic Hoses and Fittings (before January 1998) (continued)

| Item | Part No. | Description | Qty. |
|------|----------|-------------|------|
|------|----------|-------------|------|

### Footnotes

**1:** Hose End - Female, JIC Swivel, 4-4 (Weatherhead 04U-604), Hose End - Female, JIC Swivel, 4-4 (Weatherhead 04U-604) and Hose, 1/4 inch, 2 Spiral, Rubber High Pressure (Weatherhead H24504)

**2:** Hose End - Female, JIC Swivel, 6-6 (Weatherhead 06U-606), Hose End - Female, JIC Swivel, 45°, 6-6 (Weatherhead 06U-606) and Hose, 3/8 inch, 2 Spiral, Rubber High Pressure (Weatherhead H24506)

**3:** Fitting - Hose End, 8 JIC Swivel x 1/2 inch, Barb, Fitting - Hose End, 8 JIC Swivel x 1/2 inch, Barb and Hose, 1/2 inch, Push On, Rubber Low Pressure (Weatherhead H20108)

**4:** Hose End - Female, JIC Swivel, 6-6 (Weatherhead 06U-606), Hose End - Female, JIC Swivel, 6-6 (Weatherhead 06U-606) and Hose, 3/8 inch, 2 Spiral, Rubber High Pressure (Weatherhead H24506)

**5:** Fitting - Hose End, 12 JIC Rigid x 3/4 inch, Barb and Hose, 3/4 inch, Rubber Low Pressure (Weatherhead H03912)

**6:** Hose End - Female, JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female, JIC Swivel, 4-4 (Synflex 3903-04544) and Hose, 1/4 inch, Thermoplastic Medium Pressure (Synflex 3130-04)

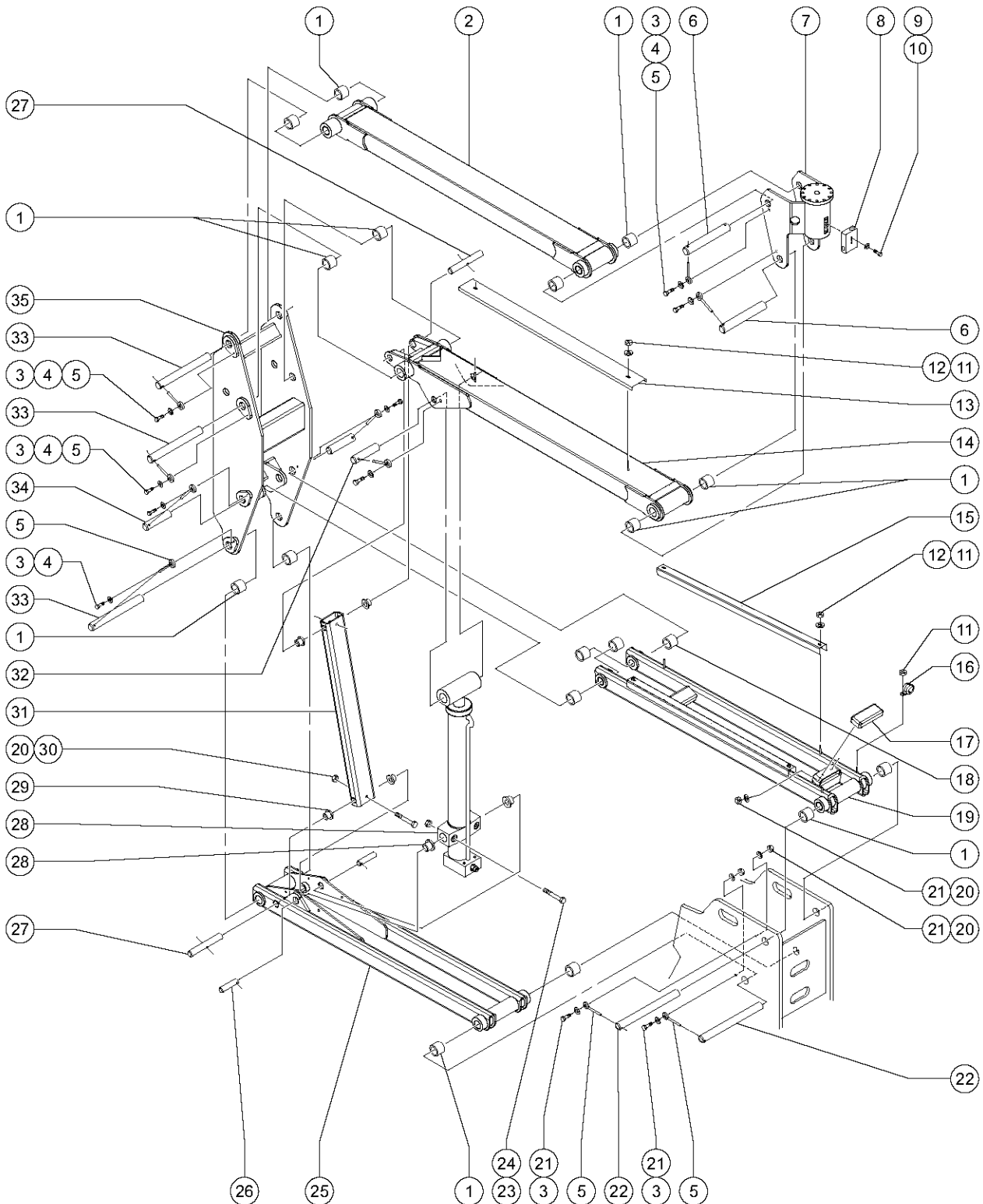
**7:** Hose End - Female, JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female, JIC Swivel, 90°, 4-4L (Synflex 3903-02544) and Hose, 1/4 inch, Thermoplastic Medium Pressure (Synflex 3130-04)

**8:** Hose End - Female, JIC Swivel, 4-2 (Synflex 3903-02544), Hose End - Female, JIC Swivel, 4-2 (Synflex 3903-02544) and Hose, 1/8 inch, Thermoplastic Medium Pressure (Synflex 3130-02)

213.1 Hydraulic Hoses and Fittings (before January 1998)  
(continued)

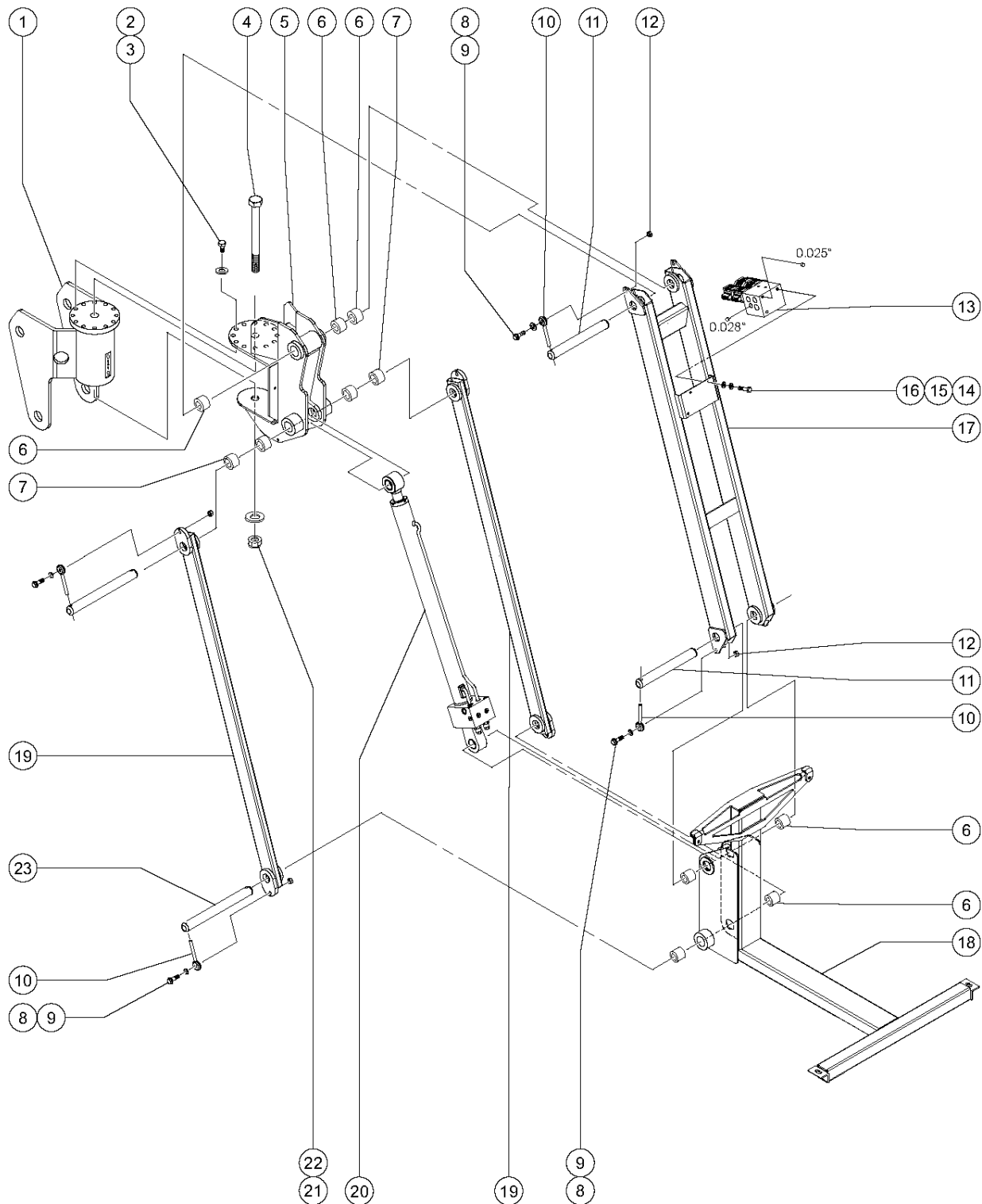
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## 301.1 Boom



| Item | Part No. | Description                                      | Qty. | Item | Part No. | Description                           | Qty. |
|------|----------|--------------------------------------------------|------|------|----------|---------------------------------------|------|
| 1    | 45071    | BEARING,1.5IDX1.75ODX1.5L.....                   | 12   | 21   | 5397     | WASHER,FLAT,USS,5/16",Y.....          | 4    |
| 2    | 44943    | UPR LEVEL.ARM<br>W/BEARING,Z20.....              | 1    | 22   | 36389    | PIN,1.50DIAX16.13LG,1HOLE.....        | 2    |
|      |          | <i>includes 4 each index number 1</i>            |      | 23   | 6326     | SCREW,HHC,3/8-16 X 3.....             | 2    |
| 2    | 74797    | UPPER LVL ARM ASSY. Z20W.....                    | 1    | 24   | 7713     | NUT,LP NYLOCK,3/8-16.....             | 2    |
|      |          | <i>includes 4 each index number 1</i>            |      | 25   | 42482    | LOWER ARM,MACHINED.....               | 1    |
| 2    | 74798    | UPPER LVL ARM Z25.....                           | 1    | 25   | 44946    | LOWER ARM ASSY.<br>W/BEARING,Z20..... | 1    |
|      |          | <i>includes 4 each index number 1</i>            |      |      |          | <i>includes 4 each index number 1</i> |      |
| 3    | 8516     | SCREW,HHC,3/8-16 X 1.50,GR5.....                 | 8    | 26   | 36205    | PIN,1.25DIAX3.00LG,THREADED...2       |      |
| 4    | 6021     | WASHER,LOCK,.375.....                            | 5    | 27   | 36202    | PIN,1.00DIAX7.25LG,1HOLE.....         | 2    |
| 5    | 45226    | ROD END,.375 X 3.69.....                         | 8    | 28   | 31106    | VALVE,CNTERBAL,CBBB-LHN@3000**.       | 1    |
| 6    | 42016    | PIN,1.50DIAX11.00LG,1HOLE.....                   | 2    | 28   | 33428    | VALVE,COUNTERBALANCE.....             | 1    |
| 7    | 13852    | VALVE ASSY,BLEED***.....                         | 1    |      |          | <i>for cylinder 42412</i>             |      |
| 7    | 36751    | ROTATOR,HELICAL,PLATFORM<br>Z20.....             | 1    | 28   | 42154    | CYLINDER,ELEVATE,Z25.....             | 1    |
| 7    | 44958    | SEAL KIT-PLAT.<br>ROTATOR-36751.....             | 1    | 28   | 56757    | SEAL KIT 42412 ELEVATE**.....         | 1    |
|      |          |                                                  |      |      |          | <i>for cylinder 42412</i>             |      |
| 7    | 44959    | BEARING<br>KIT,PLAT.ROTATOR,36751.....           | 1    | 28   | 58996    | SEAL KIT - Z25 (42154).....           | 1    |
| 8    | 56929    | MANIFOLD,ROTATOR,180 DEG.***<br><i>to SN 143</i> |      | 28   | 94211    | CYLINDER,ELEVATE***.....              | 1    |
| 8    | 74273    | MANIFOLD,ROTATOR,180 DEG.<br><i>from SN 144</i>  |      |      |          | <i>to SN 1325</i>                     |      |
| 9    | 6145     | SCREW,HHC,1/4-20 X 1.5.....                      | 3    | 29   | 56736    | BEARING,FLNG.STL. 1.25<br>IDX1.5..... | 6    |
| 10   | 6356     | WASHER,LOCK,.25.....                             | 3    | 30   | 36874    | SCREW,BHHS,3/8-16 X 2.5.....          | 2    |
| 11   | 6091     | NUT,NYLOCK,1/4-20.....                           | 8    | 31   | 74233    | CONNECTING LINK Z20,Z25.....          | 1    |
| 12   | 6638     | WASHER,FLAT,USS,1/4"Y.....                       | 6    | 32   | 42380    | PIN,1.25DIAX8.75LG,1HOLE.....         | 1    |
| 13   | 42024    | HOSE COVER,UPPER ARM.....                        | 1    | 33   | 36194    | PIN,1.50DIAX15.13LG,1HOLE.....        | 3    |
| 14   | 44944    | UPPER ARM ASSY.<br>W/BEARING,Z20.....            | 1    | 34   | 42018    | PIN,1.50DIAX5.50LG,THREADED...2       |      |
|      |          | <i>includes 4 each index number 1</i>            |      | 35   | 74526    | MACH,MIDPIVOT.....                    | 1    |
| 14   | 94000    | UPPER ARM ASSY. W/BEARING<br>Z25.....            | 1    |      |          |                                       |      |
|      |          | <i>includes 4 each index number 1</i>            |      |      |          |                                       |      |
| 15   | 36950    | HOSE COVER,LOWER LEVELING<br>ARM.....            | 2    |      |          |                                       |      |
| 16   | 45454    | CLAMP,RUB CUSH,0.75,#12 X<br>3/8*.....           | 2    |      |          |                                       |      |
| 17   | 56849    | PAD,REST,1"THICK,W/STUDS*.....                   | 1    |      |          |                                       |      |
| 18   | 18396    | BEARING,1.5IDX1.75ODX1.0L.....                   | 4    |      |          |                                       |      |
| 19   | 42480    | WELD,LEVELING ARM,LOWER.....                     | 1    |      |          |                                       |      |
| 19   | 44945    | LOWER LEVEL.ARM<br>W/BEARING,Z20.....            | 1    |      |          |                                       |      |
| 20   | 4828     | NUT,NYLOCK,3/8-16.....                           | 4    |      |          |                                       |      |

## 302.1 Jib Boom and Jib Rotator Installation

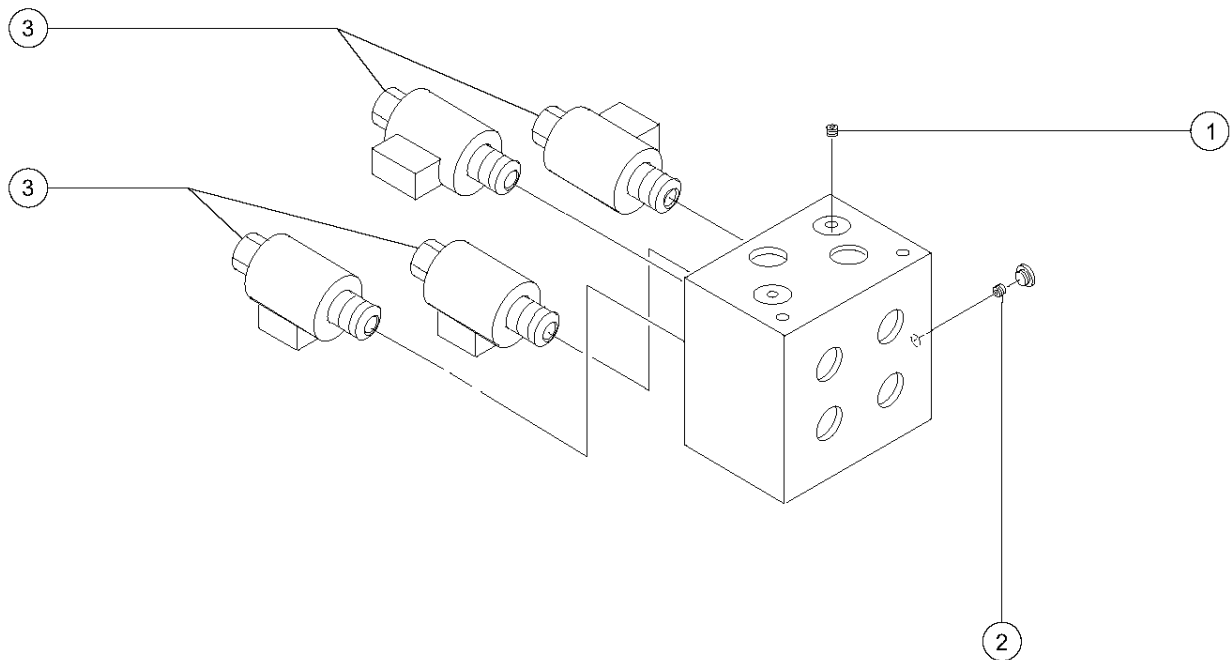
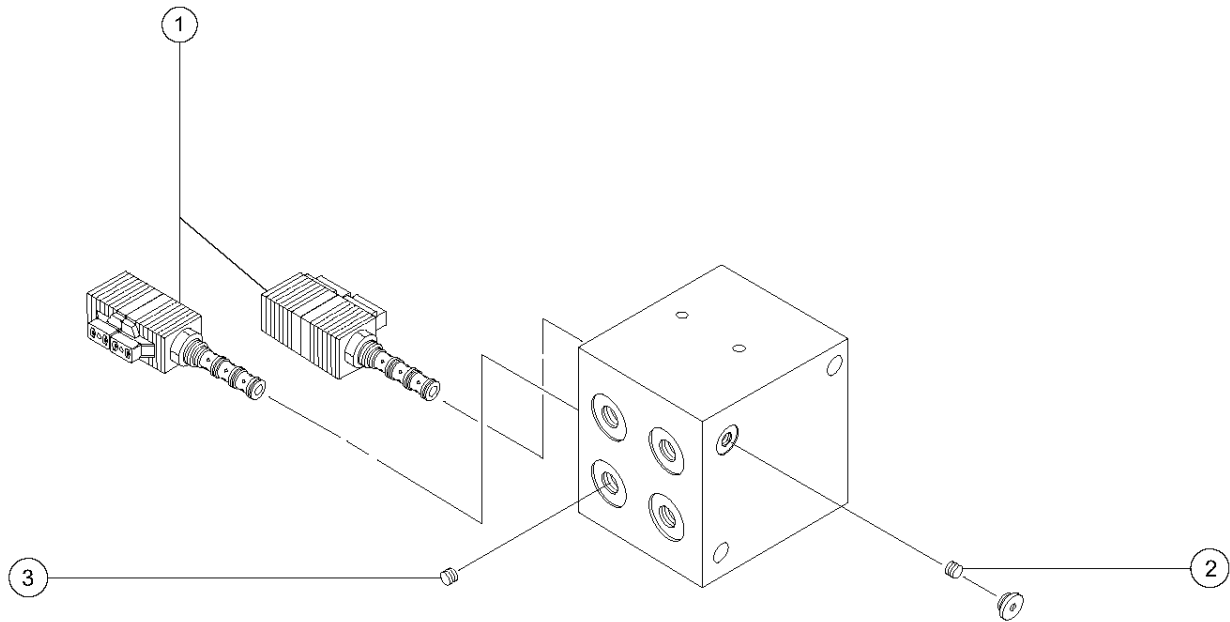




## 302.1 Jib Boom and Jib Rotator Installation

| Item | Part No. | Description                                      | Qty. | Item | Part No. | Description                                                                          | Qty. |
|------|----------|--------------------------------------------------|------|------|----------|--------------------------------------------------------------------------------------|------|
| 1    | 13852    | VALVE ASSY,BLEED***.....                         | 1    | 20   | 147142   | CYLINDER,JIB.....                                                                    | 1    |
| 1    | 36751    | ROTATOR,HELICAL,PLATFORM<br>Z20.....             | 1    |      |          | <i>for first-time replacement, also order<br/>one each p/n 74983 and 74984 hoses</i> |      |
| 1    | 44958    | SEAL KIT-PLAT.<br>ROTATOR-36751.....             | 1    | --   | 147147   | SEAL KIT,147142<br><i>for 147142 cylinder</i>                                        |      |
| 1    | 44959    | BEARING<br>KIT,PLAT.ROTATOR,36751.....           | 1    | --   | 25683    | BEARING,POLYGON,20DU12.....                                                          | 1    |
| 2    | 10597    | SCREW,HHC,1/2-13 X 1.25<br>GR5.....              | 12   | --   | 31106    | VALVE,CNTERBAL,CBBB-LHN@3000**.                                                      | 1    |
| 3    | 6033     | WASHER,LOCK,0.5".....                            | 12   | --   | 48405    | SEAL KIT,CYLINDER***.....                                                            | 1    |
| 4    | 74255    | SCREW,HHC,1-8 X 12.75.....                       | 1    |      |          | <i>for 42507, 56152 and 56362 cylinders</i>                                          |      |
| 5    | 44949    | JIB PIVOT<br>ASSY.W/BEARINGS,Z20.....            | 1    | --   | 94261    | SEAL KIT,94218<br><i>for 94218 cylinder</i>                                          |      |
|      |          | <i>includes 3 each index numbers 6 and<br/>7</i> |      | 21   | 33265    | NUT,HEX,1-8.....                                                                     | 1    |
| 6    | 13009    | BEARING,1.25 ID X 1.5 OD X 1.5....               | 7    | 22   | 29605    | WASHER,LOCK,1".....                                                                  | 1    |
| 7    | 34245    | BEARING,1.25IDX1.50X1.25L.....                   | 4    | 23   | 42797    | PIN,1.25DIAx12.50LG,2HOLE.....                                                       | 2    |
| 8    | 8516     | SCREW,HHC,3/8-16 X 1.50,GR5....                  | 6    |      |          |                                                                                      |      |
| 9    | 5397     | WASHER,FLAT,USS,5/16",Y.....                     | 6    |      |          |                                                                                      |      |
| 10   | 45226    | ROD END,.375 X 3.69.....                         | 6    |      |          |                                                                                      |      |
| 11   | 36199    | PIN,1.25DIA.X10.38LG,1HOLE.....                  | 2    |      |          |                                                                                      |      |
| 11   | 42797    | PIN,1.25DIAx12.50LG,2HOLE.....                   | 2    |      |          |                                                                                      |      |
| 12   | 4828     | NUT,NYLOCK,3/8-16.....                           | 2    |      |          |                                                                                      |      |
| 13   | 52599    | VALVE,SOLENOID,3POS/4WAY*.....                   | 1    |      |          |                                                                                      |      |
| 13   | 74014    | MANIFOLD,JIB ROTATE***<br><i>to SN 113</i>       |      |      |          |                                                                                      |      |
| 13   | 74129    | MANIFOLD,JIB Z20N,Z20W,Z25<br><i>from SN 114</i> |      |      |          |                                                                                      |      |
| 13   | 74990    | ORIFICE, 0.025"(74129)*.....                     | 1    |      |          |                                                                                      |      |
| 13   | 74991    | ORIFICE, 0.028" (74129).....                     | 1    |      |          |                                                                                      |      |
| 14   | 6090     | SCREW,HHC,1/4-20 X .75.....                      | 2    |      |          |                                                                                      |      |
| 15   | 6638     | WASHER,FLAT,USS,1/4"Y.....                       | 2    |      |          |                                                                                      |      |
| 16   | 6356     | WASHER,LOCK,.25.....                             | 2    |      |          |                                                                                      |      |
| 17   | 36279-S  | JIB BOOM MACHINED.....                           | 1    |      |          |                                                                                      |      |
|      |          | <i>to SN 1160</i>                                |      |      |          |                                                                                      |      |
| 17   | 56976    | JIB BOOM MACH.....                               | 1    |      |          |                                                                                      |      |
|      |          | <i>from SN 1161</i>                              |      |      |          |                                                                                      |      |
| 18   | 74992    | PLAT SUPPORT ASSY, Z20N.....                     | 1    |      |          |                                                                                      |      |
|      |          | <i>includes 4 each index number 6</i>            |      |      |          |                                                                                      |      |
| 18   | 74993    | PLAT SUPPORT ASSY,<br>Z20W/Z25.....              | 1    |      |          |                                                                                      |      |
| 19   | 36054-S  | COMPRESSION MEMBER<br>(BORED)***.....            | 2    |      |          |                                                                                      |      |

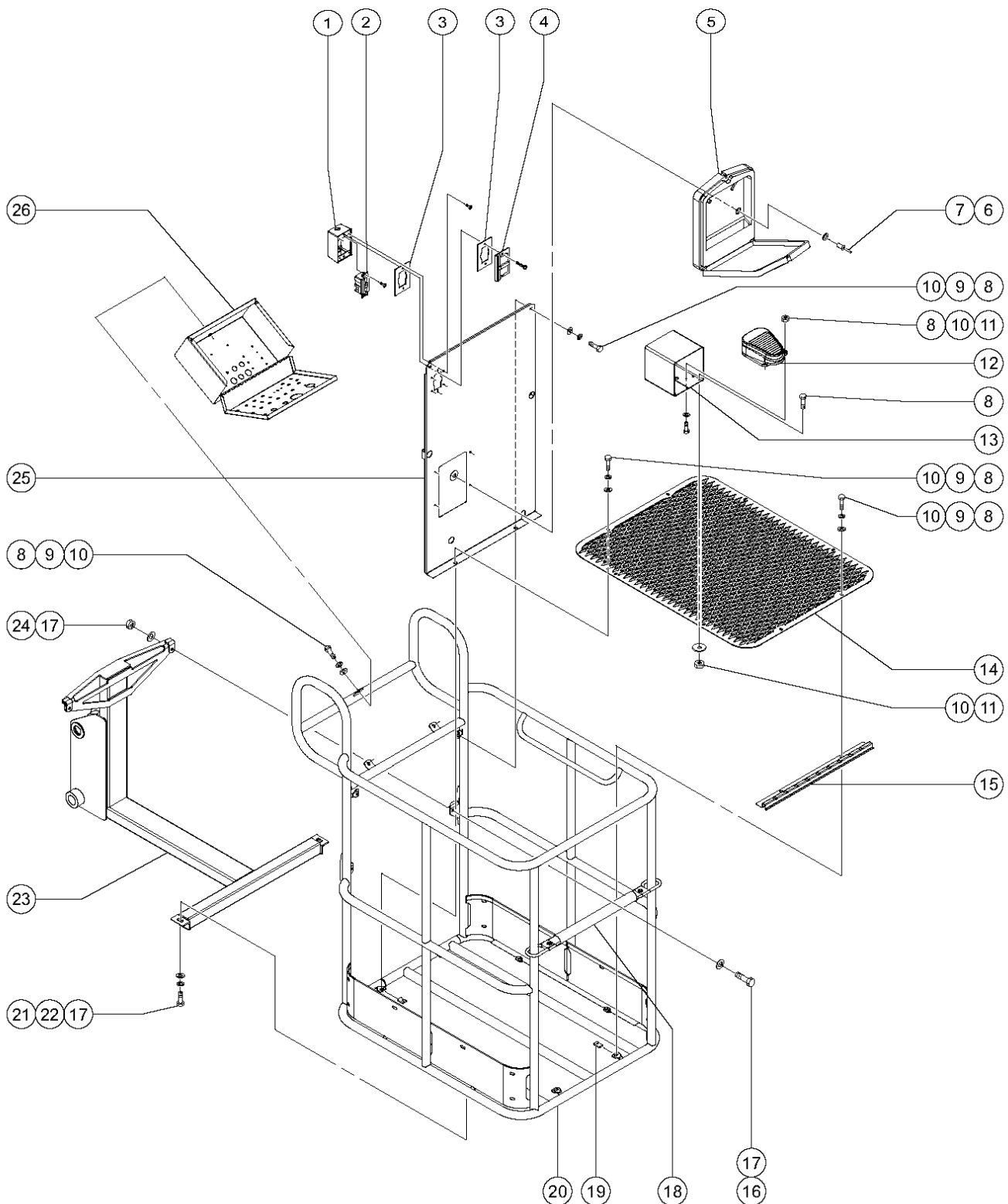
## 303.1 Jib Boom Manifold



## 303.1 Jib Boom Manifold

| Item | Part No. | Description                                                                                         | Qty. |
|------|----------|-----------------------------------------------------------------------------------------------------|------|
| A    | 74129    | MANIFOLD,JIB Z20N,Z20W,Z25.....1<br><i>includes index numbers 1, 2, and 3;<br/>from SN 818</i>      |      |
| B    | 74014    | MANIFOLD,JIB ROTATE***.....1<br><i>includes index numbers 1, 2, 3 and 4;<br/>to SN 817</i>          |      |
| --   | 28750    | O-RING KIT,FIELD SVC,ALL<br>PROD*.....1                                                             |      |
| --   | 74129    | MANIFOLD,JIB Z20N,Z20W,Z25.....1<br><i>includes index numbers 1, 2, and 3;<br/>from SN 114</i>      |      |
| 1    | 44954    | VALVE,SOLENOID,20V W/ DIODE<br>**.....4                                                             |      |
| 1    | 52599    | VALVE,SOLENOID,3POS/4WAY*.....1                                                                     |      |
| 1    | 72043    | SEAL KIT,SOLENOID VALVE                                                                             |      |
| 1    | 72047    | SEAL KIT, SOLENOID VALVE                                                                            |      |
| --   | 72047    | SEAL KIT, SOLENOID VALVE                                                                            |      |
| 1A   | 52599    | VALVE,SOLENOID,3POS/4WAY*.....1<br><i>includes two coils</i>                                        |      |
| 1B   | 65523    | ORIFICE, 0.028" (56179).....1                                                                       |      |
| 2    | 32669    | ORIFICE PLUG,.025 (30551).....1                                                                     |      |
| 2    | 74990    | ORIFICE, 0.025"(74129)*.....1                                                                       |      |
| 2A   | 74990    | ORIFICE, 0.025"(74129)*.....1                                                                       |      |
| 2B   | 32669    | ORIFICE PLUG,.025 (30551).....1                                                                     |      |
| 3    | 28750    | O-RING KIT,FIELD SVC,ALL<br>PROD*.....1                                                             |      |
| 3    | 65523    | ORIFICE, 0.028" (56179).....1                                                                       |      |
| 3    | 74014    | MANIFOLD,JIB ROTATE***.....1<br><i>includes index numbers 1, 2, 3 and 4;<br/>to SN 113</i>          |      |
| 3    | 74991    | ORIFICE, 0.028" (74129).....1                                                                       |      |
| --   | 72043    | SEAL KIT,SOLENOID VALVE                                                                             |      |
| 3A   | 74991    | ORIFICE, 0.028" (74129).....1                                                                       |      |
| 3B   | 44954    | VALVE,SOLENOID,20V W/ DIODE<br>**.....4<br><i>2 position/3 way, valve without coil is<br/>74899</i> |      |

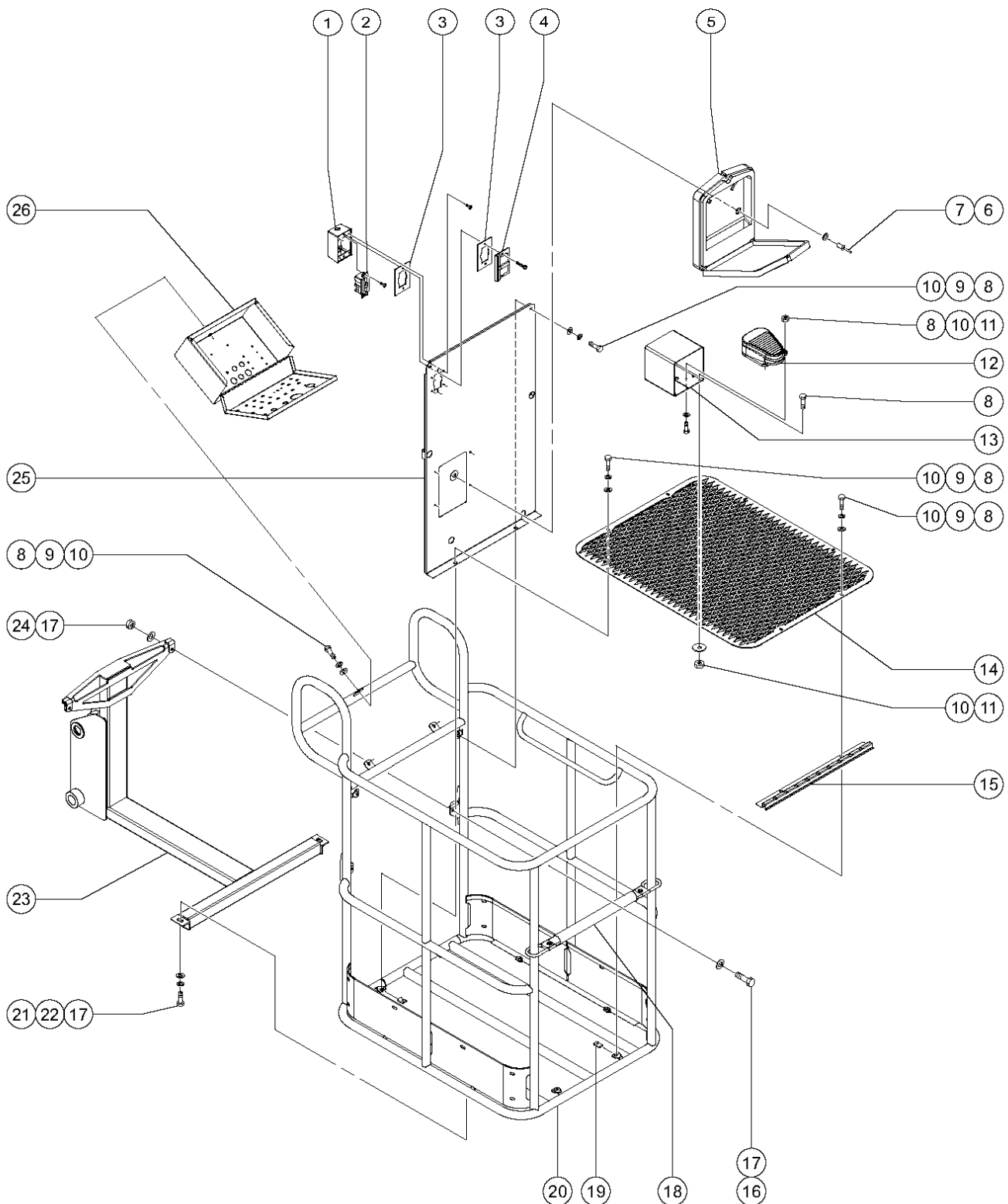
## 401.1 Platform Installation (S-25/8 from SN 170)



## 401.1 Platform Installation (S-25/8 from SN 170)

| Item | Part No. | Description                                                                                           | Qty. | Item | Part No. | Description                                                                  | Qty. |
|------|----------|-------------------------------------------------------------------------------------------------------|------|------|----------|------------------------------------------------------------------------------|------|
| --   | 74758    | PLAT.ASSY.W/DECL,Z20WZ25,ANSI*.1<br><i>ANSI and CSA models; from SN 170</i>                           |      | 16   | 13000    | SCREW,HHC,5/16-18 X 1.25.....2<br><i>from SN 170</i>                         |      |
| --   | 74759    | PLAT.ASSY.W/DECAL,Z20W,Z25,CE*.1<br><i>CE models; from SN 170</i>                                     |      | 17   | 5397     | WASHER,FLAT,USS,5/16",Y.....6<br><i>from SN 170</i>                          |      |
| 1    | 10775    | T-BOX,2.75 X 4.5 X 2.0.....1<br><i>from SN 170</i>                                                    |      | 18   | 102992   | SLIDING MIDRAIL KIT,PTD.....1<br><i>from SN 170</i>                          |      |
| 2    | 13585    | OUTLET,110V GFCI***.....1<br><i>North America; from SN 170</i>                                        |      | --   | 12443    | MIDRAIL GUIDE ( HOOK ).....1<br><i>from SN 170</i>                           |      |
| --   | 35003    | RECEPTACLE, BRITISH, 110V.....1<br><i>UK; from SN 170</i>                                             |      | --   | 20973    | WIRE LOOM,3/8 POLY<br>SLIT.....6-inches<br><i>from SN 170</i>                |      |
| 3    | 74052    | GASKET,COVER,GFCI,WEATHERPROOF.2<br><i>from SN 170</i>                                                |      | --   | 21121    | CABLE TIE,4" BLK,HEAT RESISTNT<br><i>from SN 170</i>                         |      |
| 4    | 74006    | COVER,GFCI,HORIZONTAL,WEATHER.1<br><i>includes mounting fasteners; North<br/>America; from SN 170</i> |      | --   | 53819    | TUBE,SLIDING MIDRAIL,20.69 IN<br><i>from SN 170</i>                          |      |
| 5    | 44743    | MANUAL BOX W/DECALS***.....1<br><i>from SN 170</i>                                                    |      | 19   | 56912    | SPRING CLIP,1/4-20.....10<br><i>from SN 170</i>                              |      |
| 6    | 12037    | RIVET,STL,STL,P,.25 X .5.....4<br><i>from SN 170</i>                                                  |      | 20   | 74326    | WELDMENT,PLATFORM 46X30.....1<br><i>from SN 170</i>                          |      |
| 7    | 56660    | WASHER,RIVETING.....4<br><i>from SN 170</i>                                                           |      | 21   | 8255     | SCREW,HHC,3/8-16 X .75.....2<br><i>from SN 170</i>                           |      |
| 8    | 6090     | SCREW,HHC,1/4-20 X .75.....20<br><i>from SN 170</i>                                                   |      | 22   | 6021     | WASHER,LOCK,.375.....2<br><i>from SN 170</i>                                 |      |
| 9    | 6356     | WASHER,LOCK,.25.....15<br><i>from SN 170</i>                                                          |      | 23   | 74993    | PLAT SUPPORT ASSY,<br>Z20W/Z25.....1<br><i>from SN 170</i>                   |      |
| 10   | 6638     | WASHER,FLAT,USS,1/4"Y.....15<br><i>from SN 170</i>                                                    |      | 24   | 6782     | NUT,NYLOCK,5/16-18.....2<br><i>from SN 170</i>                               |      |
| 11   | 6091     | NUT,NYLOCK,1/4-20.....2<br><i>from SN 170</i>                                                         |      | 25   | 62508    | DECAL PLATE W/D,PLAT,Z30/34.....1<br><i>ANSI and CSA models; from SN 170</i> |      |
| 12   | 74298    | FOOTSWITCH ASSEMBLY 30N.....1<br><i>from SN 170</i>                                                   |      | --   | 62516    | DECAL PLATE W/D,PLAT,Z30/34.....1<br><i>CE models; from SN 170</i>           |      |
| --   | 13482    | FOOT SWITCH***.....1<br><i>from SN 170</i>                                                            |      | 26   | 74317    | CONTROL BOX,PLATFORM.....1<br><i>from SN 170</i>                             |      |
| --   | 20262    | MICROSWITCH,13482<br>FOOTSWITCH.....1<br><i>from SN 170</i>                                           |      | --   | 36235    | GASKET,PLAT.CONTROL BOX.....1<br><i>from SN 170</i>                          |      |
| --   | 56051    | WIRE<br>CABLE,16/2,WHT/BLK,SJEOW.82-inches<br><i>from SN 170</i>                                      |      |      |          |                                                                              |      |
| 13   | 32710    | GUARD,FOOTSWITCH,W/DECAL<br>STEEL.....1<br><i>from SN 170</i>                                         |      |      |          |                                                                              |      |
| 14   | 56465P   | FLOORING,PLATFORM<br>46X30,PAINT.....1<br><i>from SN 170</i>                                          |      |      |          |                                                                              |      |
| 15   | 56656    | PLATFORM STEP.....1<br><i>from SN 170</i>                                                             |      |      |          |                                                                              |      |

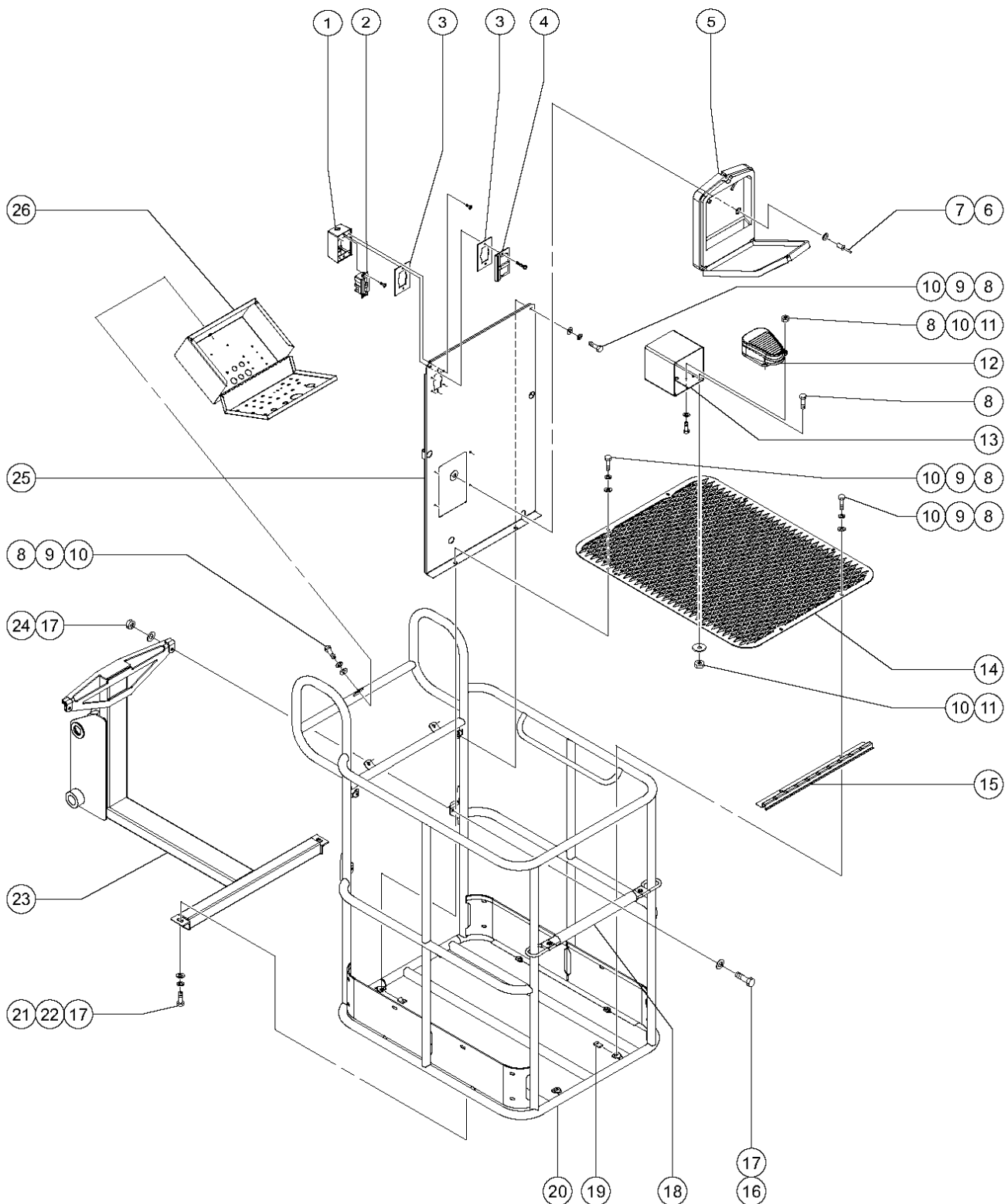
## 401.1 Platform Installation (Z-20/8 from SN 105)



## 401.1 Platform Installation (Z-20/8 from SN 105)

| Item | Part No. | Description                                                                                           | Qty. | Item | Part No. | Description                                                                             | Qty. |
|------|----------|-------------------------------------------------------------------------------------------------------|------|------|----------|-----------------------------------------------------------------------------------------|------|
| --   | 74758    | PLAT.ASSY.W/DECL,Z20WZ25,ANSI*.1<br><i>ANSI and CSA models; from SN 105</i>                           |      | 16   | 13000    | SCREW,HHC,5/16-18 X 1.25.....2<br><i>from SN 105</i>                                    |      |
| --   | 74759    | PLAT.ASSY.W/DECAL,Z20W,Z25,CE*.1<br><i>CE models; from SN 105</i>                                     |      | 17   | 5397     | WASHER,FLAT,USS,5/16",Y.....6<br><i>from SN 105</i>                                     |      |
| 1    | 10775    | T-BOX,2.75 X 4.5 X 2.0.....1<br><i>from SN 105</i>                                                    |      | 18   | 102992   | SLIDING MIDRAIL KIT,PTD.....1<br><i>from SN 105</i>                                     |      |
| 2    | 13585    | OUTLET,110V GFCI***.....1<br><i>North America; from SN 105</i>                                        |      | --   | 12443    | MIDRAIL GUIDE ( HOOK ).....1<br><i>from SN 105</i>                                      |      |
| --   | 35003    | RECEPTACLE, BRITISH, 110V.....1<br><i>UK; from SN 105</i>                                             |      | --   | 20973    | WIRE LOOM,3/8 POLY<br>SLIT.....6-inches<br><i>from SN 105</i>                           |      |
| 3    | 74052    | GASKET,COVER,GFCI,WEATHERPROOF.2<br><i>from SN 105</i>                                                |      | --   | 21121    | CABLE TIE,4" BLK,HEAT RESISTNT<br><i>from SN 105</i>                                    |      |
| 4    | 74006    | COVER,GFCI,HORIZONTAL,WEATHER.1<br><i>includes mounting fasteners; North<br/>America; from SN 105</i> |      | --   | 53819    | TUBE,SLIDING MIDRAIL,20.69 IN<br><i>from SN 105</i>                                     |      |
| 5    | 44743    | MANUAL BOX W/DECALS***.....1<br><i>from SN 105</i>                                                    |      | 19   | 56912    | SPRING CLIP,1/4-20.....10<br><i>from SN 105</i>                                         |      |
| 6    | 12037    | RIVET,STL,STL,P,.25 X .5.....4<br><i>from SN 105</i>                                                  |      | 20   |          | WELDMENT,PLATFORM 46X30.....1<br><i>from SN 105; refer to 74758 or 74759,<br/>above</i> |      |
| 7    | 56660    | WASHER,RIVETING.....4<br><i>from SN 105</i>                                                           |      | 21   | 8255     | SCREW,HHC,3/8-16 X .75.....2<br><i>from SN 105</i>                                      |      |
| 8    | 6090     | SCREW,HHC,1/4-20 X .75.....20<br><i>from SN 105</i>                                                   |      | 22   | 6021     | WASHER,LOCK,.375.....2<br><i>from SN 105</i>                                            |      |
| 9    | 6356     | WASHER,LOCK,.25.....15<br><i>from SN 105</i>                                                          |      | 23   | 74993    | PLAT SUPPORT ASSY,<br>Z20W/Z25.....1<br><i>from SN 105</i>                              |      |
| 10   | 6638     | WASHER,FLAT,USS,1/4"Y.....15<br><i>from SN 105</i>                                                    |      | 24   | 6782     | NUT,NYLOCK,5/16-18.....2<br><i>from SN 105</i>                                          |      |
| 11   | 6091     | NUT,NYLOCK,1/4-20.....2<br><i>from SN 105</i>                                                         |      | 25   | 62508    | DECAL PLATE W/D,PLAT,Z30/34.....1<br><i>ANSI and CSA models; from SN 105</i>            |      |
| 12   | 74298    | FOOTSWITCH ASSEMBLY 30N.....1<br><i>from SN 105</i>                                                   |      | --   | 62516    | DECAL PLATE W/D,PLAT,Z30/34.....1<br><i>CE models; from SN 105</i>                      |      |
| --   | 13482    | FOOT SWITCH***.....1<br><i>from SN 105</i>                                                            |      | 26   | 74317    | CONTROL BOX,PLATFORM.....1<br><i>from SN 105</i>                                        |      |
| --   | 20262    | MICROSWITCH,13482<br>FOOTSWITCH.....1<br><i>from SN 105</i>                                           |      | --   | 36235    | GASKET,PLAT.CONTROL BOX.....1<br><i>from SN 105</i>                                     |      |
| --   | 56051    | WIRE<br>CABLE,16/2,WHT/BLK,SJEOW.82-inches<br><i>from SN 105</i>                                      |      |      |          |                                                                                         |      |
| 13   | 32710    | GUARD,FOOTSWITCH,W/DECAL<br>STEEL.....1<br><i>from SN 105</i>                                         |      |      |          |                                                                                         |      |
| 14   | 56465P   | FLOORING,PLATFORM<br>46X30,PAINT.....1<br><i>from SN 105</i>                                          |      |      |          |                                                                                         |      |
| 15   | 56656    | PLATFORM STEP.....1<br><i>from SN 105</i>                                                             |      |      |          |                                                                                         |      |

## 401.1 Platform Installation (Z-20/8N from SN 1159)

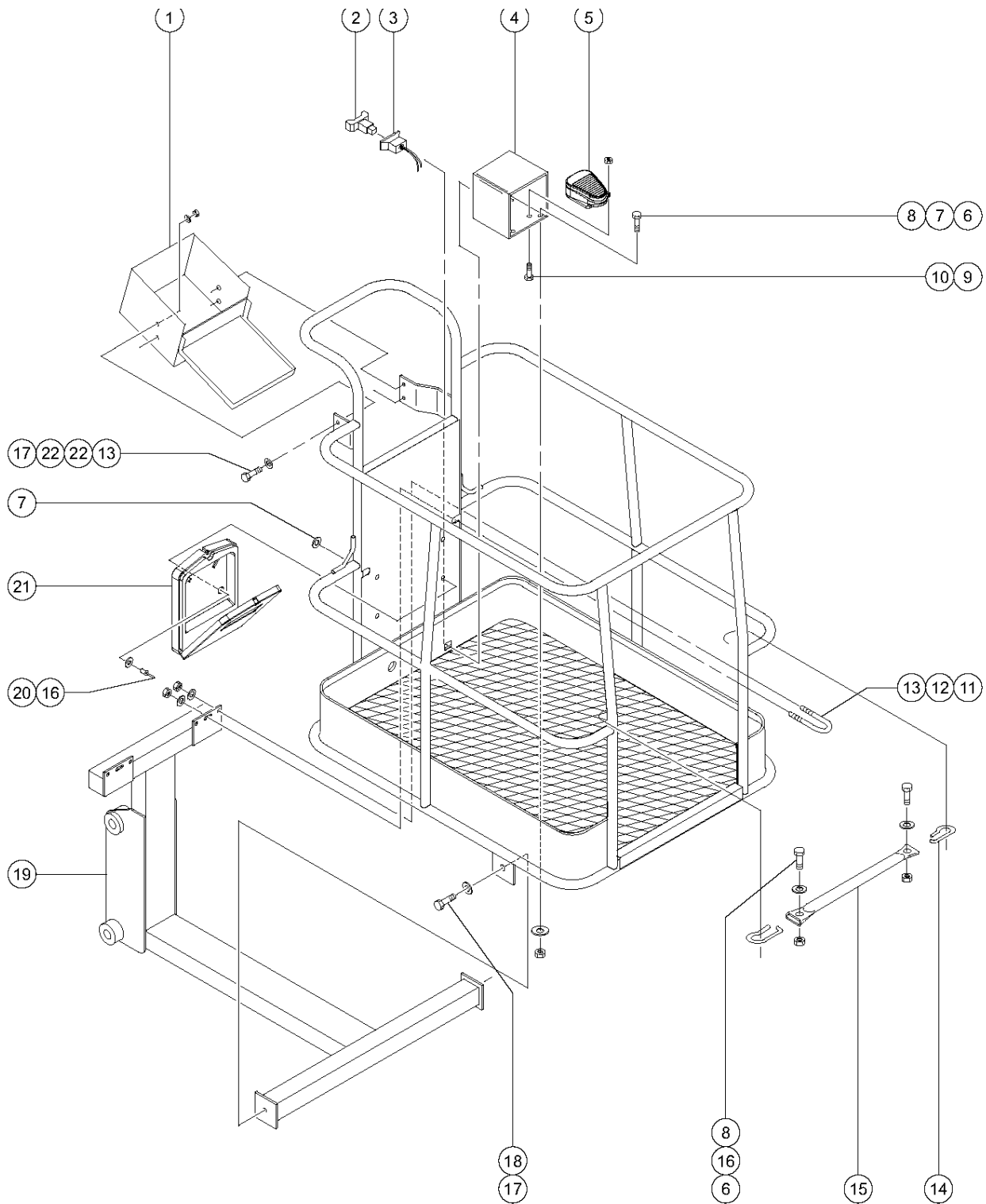




## 401.1 Platform Installation (Z-20/8N from SN 1159)

| Item | Part No. | Description                                                                                            | Qty. | Item | Part No. | Description                                                                   | Qty. |
|------|----------|--------------------------------------------------------------------------------------------------------|------|------|----------|-------------------------------------------------------------------------------|------|
| --   | 74756    | PLAT.ASSY.W/DECAL,Z20N,ANSI...1<br><i>ANSI and CSA models; from SN 1159</i>                            |      | 16   | 13000    | SCREW,HHC,5/16-18 X 1.25.....2<br><i>from SN 1159</i>                         |      |
| --   | 74757    | PLAT.ASSY.W/DECALS,Z20N,CE<br>**.....1<br><i>CE models; from SN 1159</i>                               |      | 17   | 5397     | WASHER,FLAT,USS,5/16",Y.....6<br><i>from SN 1159</i>                          |      |
| 1    | 10775    | T-BOX,2.75 X 4.5 X 2.0.....1<br><i>from SN 1159</i>                                                    |      | 18   | 102992   | SLIDING MIDRAIL KIT,PTD.....1<br><i>from SN 1159</i>                          |      |
| 2    | 13585    | OUTLET,110V GFCI***.....1<br><i>North America; from SN 1159</i>                                        |      | --   | 12443    | MIDRAIL GUIDE ( HOOK ).....1<br><i>from SN 1159</i>                           |      |
| --   | 35003    | RECEPTACLE, BRITISH, 110V.....1<br><i>UK; from SN 1159</i>                                             |      | --   | 20973    | WIRE LOOM,3/8 POLY<br>SLIT.....6-inches<br><i>from SN 1159</i>                |      |
| 3    | 74052    | GASKET,COVER,GFCI,WEATHERPROOF.2<br><i>from SN 1159</i>                                                |      | --   | 21121    | CABLE TIE,4" BLK,HEAT RESISTNT<br><i>from SN 1159</i>                         |      |
| 4    | 74006    | COVER,GFCI,HORIZONTAL,WEATHER.1<br><i>includes mounting fasteners; North<br/>America; from SN 1159</i> |      | --   | 53819    | TUBE,SLIDING MIDRAIL,20.69 IN<br><i>from SN 1159</i>                          |      |
| 5    | 44743    | MANUAL BOX W/DECALS***.....1<br><i>from SN 1159</i>                                                    |      | 19   | 56912    | SPRING CLIP,1/4-20.....10<br><i>from SN 1159</i>                              |      |
| 6    | 12037    | RIVET,STL,STL,P,.25 X .5.....4<br><i>from SN 1159</i>                                                  |      | 20   |          | PLATFORM.....1<br><i>from SN 1159; refer to 74756 or<br/>74757, above</i>     |      |
| 7    | 56660    | WASHER,RIVETING.....4<br><i>from SN 1159</i>                                                           |      | 21   | 8255     | SCREW,HHC,3/8-16 X .75.....2<br><i>from SN 1159</i>                           |      |
| 8    | 6090     | SCREW,HHC,1/4-20 X .75.....20<br><i>from SN 1159</i>                                                   |      | 22   | 6021     | WASHER,LOCK,.375.....2<br><i>from SN 1159</i>                                 |      |
| 9    | 6356     | WASHER,LOCK,.25.....15<br><i>from SN 1159</i>                                                          |      | 23   | 74992    | PLAT SUPPORT ASSY, Z20N.....1<br><i>from SN 1159</i>                          |      |
| 10   | 6638     | WASHER,FLAT,USS,1/4"Y.....15<br><i>from SN 1159</i>                                                    |      | 24   | 6782     | NUT,NYLOCK,5/16-18.....2<br><i>from SN 1159</i>                               |      |
| 11   | 6091     | NUT,NYLOCK,1/4-20.....2<br><i>from SN 1159</i>                                                         |      | 25   | 62508    | DECAL PLATE W/D,PLAT,Z30/34.....1<br><i>ANSI and CSA models; from SN 1159</i> |      |
| 12   | 74298    | FOOTSWITCH ASSEMBLY 30N.....1<br><i>from SN 1159</i>                                                   |      | --   | 62516    | DECAL PLATE W/D,PLAT,Z30/34.....1<br><i>CE models; from SN 1159</i>           |      |
| --   | 13482    | FOOT SWITCH***.....1<br><i>from SN 1159</i>                                                            |      | 26   | 74317    | CONTROL BOX,PLATFORM.....1<br><i>from SN 1159</i>                             |      |
| --   | 20262    | MICROSWITCH,13482<br>FOOTSWITCH.....1<br><i>from SN 1159</i>                                           |      | --   | 36235    | GASKET,PLAT.CONTROL BOX.....1<br><i>from SN 1159</i>                          |      |
| --   | 56051    | WIRE<br>CABLE,16/2,WHT/BLK,SJEOW.82-inches<br><i>from SN 1159</i>                                      |      |      |          |                                                                               |      |
| 13   | 32710    | GUARD,FOOTSWITCH,W/DECAL<br>STEEL.....1<br><i>from SN 1159</i>                                         |      |      |          |                                                                               |      |
| 14   | 56631    | FLOORING PLATFORM 31X40.....1<br><i>shown; from SN 1159</i>                                            |      |      |          |                                                                               |      |
| 15   | 56656    | PLATFORM STEP.....1<br><i>from SN 1159</i>                                                             |      |      |          |                                                                               |      |

## 402.1 Platform Installation (Z-20/8 to SN 104)



## 402.1 Platform Installation (Z-20/8 to SN 104)

| Item | Part No. | Description                                                             | Qty. | Item | Part No. | Description                                                      | Qty. |
|------|----------|-------------------------------------------------------------------------|------|------|----------|------------------------------------------------------------------|------|
| --   | 74754    | PLAT.ASSY.W/DECL,Z20WZ25,ANSI*<br><i>ANSI and CSA models; to SN 104</i> |      | --   | 45139    | RECEPT.,SNAP-IN,4 POLE<br>ANDERSN.....1<br><i>to SN 104</i>      |      |
| --   | 74755    | PLAT.ASSY.W/DECAL,Z20W,Z25,CE*<br><i>CE models; to SN 104</i>           |      | --   | 45200    | SPACER,SHORT ANDERSON.....1<br><i>to SN 104</i>                  |      |
| 1    | 44965    | PLAT.CONTROL BOX W/DECAL,<br>Z20.....1<br><i>to SN 104</i>              |      | --   | 45202    | PIN,ROLL,.094 X .875.....1<br><i>to SN 104</i>                   |      |
| --   | 42151    | GASKET,PLAT.CONTROL BOX<br>Z20.....1<br><i>to SN 104</i>                |      | 4    | 32710    | GUARD,FOOTSWITCH,W/DECAL<br>STEEL.....1<br><i>to SN 104</i>      |      |
| 2    | 44966    | FOOTSWITCH WIRE ASSY,<br>Z20N.....1<br><i>to SN 104</i>                 |      | 5    | 13482    | FOOT SWITCH***.....1<br><i>to SN 104</i>                         |      |
| --   | 22431    | TERMINAL,ANDERSON,30A 12-16<br>GA.....1<br><i>to SN 104</i>             |      | 5    | 20262    | MICROSWITCH,13482<br>FOOTSWITCH.....1<br><i>to SN 104</i>        |      |
| --   | 22432    | ANDERSON HOUSING,15-45 AMP<br>BLK.....1<br><i>to SN 104</i>             |      | 6    | 6888     | SCREW,HHC,1/4-20 X 1.....6<br><i>to SN 104</i>                   |      |
| --   | 22433    | ANDERSON<br>HOUSING,15-45,AMP,WHT.....1<br><i>to SN 104</i>             |      | 7    | 6091     | NUT,NYLOCK,1/4-20.....8<br><i>to SN 104</i>                      |      |
| --   | 22434    | ANDERSON HOUSING,15-45 AMP<br>RED.....1<br><i>to SN 104</i>             |      | 8    | 49693    | WASHER,FENDER,.25X1.50X.074.2<br><i>to SN 104</i>                |      |
| --   | 45201    | SPACER,LONG ANDERSON.....1<br><i>to SN 104</i>                          |      | 9    | 17626    | SCREW,FHM,10-32 X .75.....2<br><i>to SN 104</i>                  |      |
| --   | 45202    | PIN,ROLL,.094 X .875.....1<br><i>to SN 104</i>                          |      | 10   | 6178     | NUT,NYLOCK,10-32.....2<br><i>to SN 104</i>                       |      |
| --   | 45313    | PLUG,W/LATCH,4<br>POLE,ANDERSON.....1<br><i>to SN 104</i>               |      | 11   | 6550     | U-BOLT,3/8 X 1 YZ.....2<br><i>to SN 104</i>                      |      |
| --   | 6562     | WIRE CABLE,16/4<br>SJO,BULK.....82-inches<br><i>to SN 104</i>           |      | 12   | 6097     | WASHER,FLAT,USS,3/8",Y.....6<br><i>to SN 104</i>                 |      |
| 3    | 29431    | CONNECTOR<br>ASSEMBLY,FOOTSWITCH.....1<br><i>to SN 104</i>              |      | 13   | 4828     | NUT,NYLOCK,3/8-16.....10<br><i>to SN 104</i>                     |      |
| --   | 22432    | ANDERSON HOUSING,15-45 AMP<br>BLK.....1<br><i>to SN 104</i>             |      | 14   | 12443    | MIDRAIL GUIDE ( HOOK ).....1<br><i>to SN 104</i>                 |      |
| --   | 22433    | ANDERSON<br>HOUSING,15-45,AMP,WHT.....1<br><i>to SN 104</i>             |      | --   | 21121    | CABLE TIE,4" BLK,HEAT RESISTNT<br><i>to SN 104</i>               |      |
| --   | 22434    | ANDERSON HOUSING,15-45 AMP<br>RED.....1<br><i>to SN 104</i>             |      | --   | 31146    | WIRE LOOM,.413"<br>NON-SLIT***.....12-inches<br><i>to SN 104</i> |      |
|      |          |                                                                         |      | 15   | 12447    | TUBE-NARROW<br>SLI.MIDRAIL-15.06.....1<br><i>to SN 104</i>       |      |
|      |          |                                                                         |      | 16   | 6638     | WASHER,FLAT,USS,1/4"Y.....10<br><i>to SN 104</i>                 |      |
|      |          |                                                                         |      | 17   | 6175     | SCREW,HHC,3/8-16 X 1.....4<br><i>to SN 104</i>                   |      |
|      |          |                                                                         |      | 18   | 6021     | WASHER,LOCK,.375.....2<br><i>to SN 104</i>                       |      |

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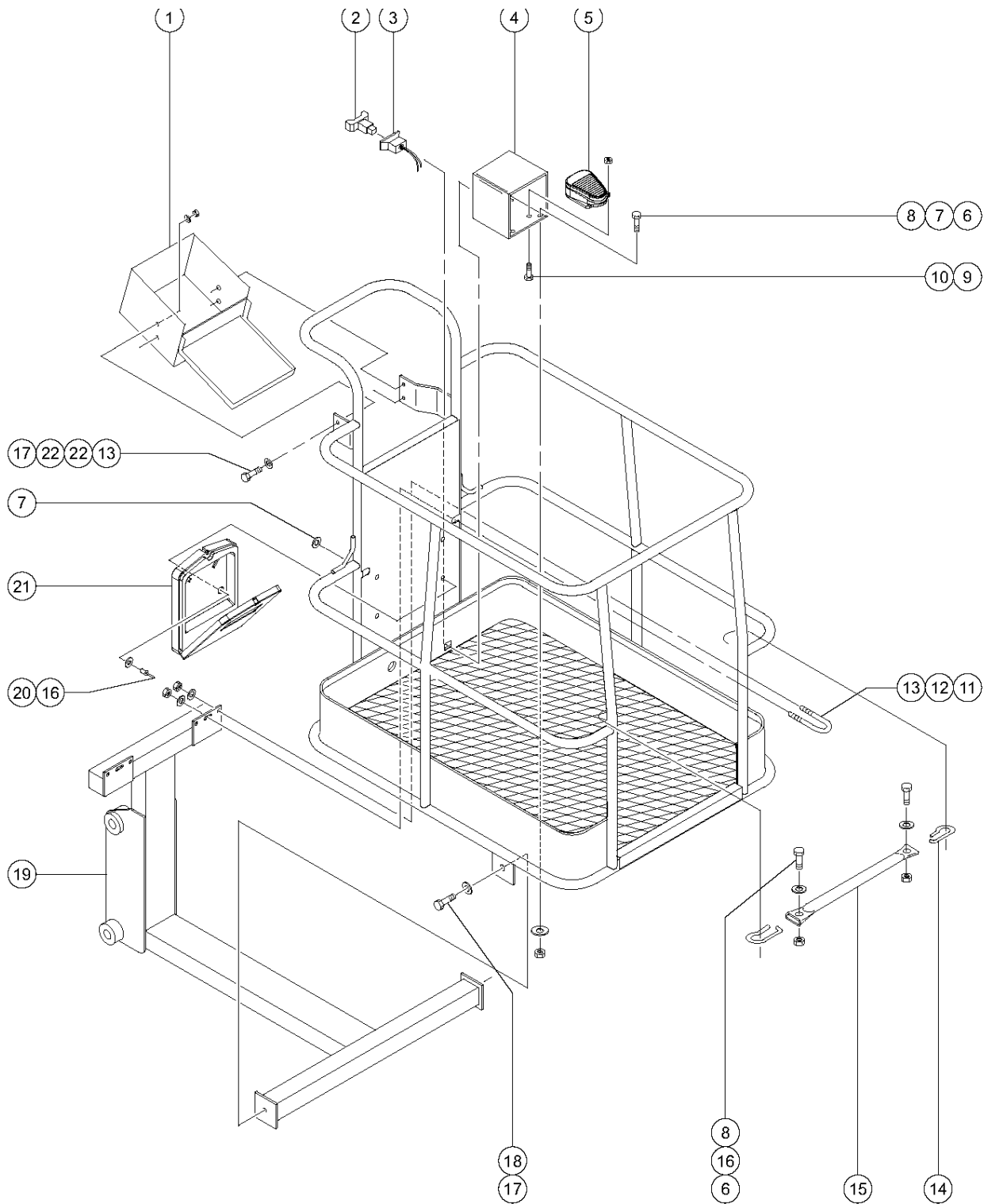
**402.1 Platform Installation (Z-20/8 to SN 104)**  
(continued)

| Item | Part No. | Description                                 | Qty. |
|------|----------|---------------------------------------------|------|
| 19   | 46998    | PLAT.SUPPORT W/BEARNG,Z20<br>to SN 105      |      |
| 20   | 12037    | RIVET,STL,STL,P,.25 X .5.....4<br>to SN 104 |      |
| 21   | 44743    | MANUAL BOX W/DECALS***.....1<br>to SN 104   |      |
| 22   | 5397     | WASHER,FLAT,USS,5/16",Y.....8<br>to SN 104  |      |

402.1 Platform Installation (Z-20/8 to SN 104)  
(continued)

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## 402.1 Platform Installation (Z-20/8N to SN 1158)



## 402.1 Platform Installation (Z-20/8N to SN 1158)

| Item | Part No. | Description                                                                    | Qty. | Item | Part No. | Description                                                | Qty. |
|------|----------|--------------------------------------------------------------------------------|------|------|----------|------------------------------------------------------------|------|
| --   | 44964    | PLATFORM ASSY,Z20N, ANSI<br>ANSI and CSA models; to SN 650                     |      | --   | 22434    | ANDERSON HOUSING,15-45 AMP<br>RED.....1<br>to SN 1158      |      |
| --   | 46996    | PLAT.ASSY.W/DECALS,Z20N,ANSI<br>ANSI and CSA models; from SN 651<br>to SN 1158 |      | --   | 45139    | RECEPT.,SNAP-IN,4 POLE<br>ANDERSN.....1<br>to SN 1158      |      |
| --   | 74753    | COVER ASSY. ENGINE SIDE, CE**<br>CE models; to SN 650                          |      | --   | 45200    | SPACER,SHORT ANDERSON.....1<br>to SN 1158                  |      |
| --   | 74757    | PLAT.ASSY.W/DECALS,Z20N,CE **<br>CE models; from SN 651 to SN 1158             |      | --   | 45202    | PIN,ROLL,.094 X .875.....1<br>to SN 1158                   |      |
| 1    | 44965    | PLAT.CONTROL BOX W/DECAL,<br>Z20.....1<br>to SN 1158                           |      | 4    | 32710    | GUARD,FOOTSWITCH,W/DECAL<br>STEEL.....1<br>to SN 1158      |      |
| --   | 42151    | GASKET,PLAT.CONTROL BOX<br>Z20.....1<br>to SN 1158                             |      | 5    | 13482    | FOOT SWITCH***.....1<br>to SN 1158                         |      |
| 2    | 44966    | FOOTSWITCH WIRE ASSY,<br>Z20N.....1<br>to SN 1158                              |      | 5    | 20262    | MICROSWITCH,13482<br>FOOTSWITCH.....1<br>to SN 1158        |      |
| --   | 22431    | TERMINAL,ANDERSON,30A 12-16<br>GA.....1<br>to SN 1158                          |      | 6    | 6888     | SCREW,HHC,1/4-20 X 1.....6<br>to SN 1158                   |      |
| --   | 22432    | ANDERSON HOUSING,15-45 AMP<br>BLK.....1<br>to SN 1158                          |      | 7    | 6091     | NUT,NYLOCK,1/4-20.....8<br>to SN 1158                      |      |
| --   | 22433    | ANDERSON<br>HOUSING,15-45,AMP,WHT.....1<br>to SN 1158                          |      | 8    | 49693    | WASHER,FENDER,.25X1.50X.074.2<br>to SN 1158                |      |
| --   | 22434    | ANDERSON HOUSING,15-45 AMP<br>RED.....1<br>to SN 1158                          |      | 9    | 17626    | SCREW,FHM,10-32 X .75.....2<br>to SN 1158                  |      |
| --   | 45201    | SPACER,LONG ANDERSON.....1<br>to SN 1158                                       |      | 10   | 6178     | NUT,NYLOCK,10-32.....2<br>to SN 1158                       |      |
| --   | 45202    | PIN,ROLL,.094 X .875.....1<br>to SN 1158                                       |      | 11   | 6550     | U-BOLT,3/8 X 1 YZ.....2<br>to SN 1158                      |      |
| --   | 45313    | PLUG,W/LATCH,4<br>POLE,ANDERSON.....1<br>to SN 1158                            |      | 12   | 6097     | WASHER,FLAT,USS,3/8",Y.....6<br>to SN 1158                 |      |
| --   | 6562     | WIRE CABLE,16/4<br>SJO,BULK.....82-inches<br>to SN 1158                        |      | 13   | 4828     | NUT,NYLOCK,3/8-16.....10<br>to SN 1158                     |      |
| 3    | 29431    | CONNECTOR<br>ASSEMBLY,FOOTSWITCH.....1<br>to SN 1158                           |      | 14   | 12443    | MIDRAIL GUIDE ( HOOK ).....1<br>to SN 1158                 |      |
| --   | 22432    | ANDERSON HOUSING,15-45 AMP<br>BLK.....1<br>to SN 1158                          |      | --   | 21121    | CABLE TIE,4" BLK,HEAT RESISTNT<br>to SN 1158               |      |
| --   | 22433    | ANDERSON<br>HOUSING,15-45,AMP,WHT.....1<br>to SN 1158                          |      | --   | 31146    | WIRE LOOM,.413"<br>NON-SLIT***.....12-inches<br>to SN 1158 |      |
|      |          |                                                                                |      | 15   | 12447    | TUBE-NARROW<br>SLI.MIDRAIL-15.06.....1<br>to SN 1158       |      |
|      |          |                                                                                |      | 16   | 6638     | WASHER,FLAT,USS,1/4"Y.....10<br>to SN 1158                 |      |
|      |          |                                                                                |      | 17   | 6175     | SCREW,HHC,3/8-16 X 1.....4<br>to SN 1158                   |      |

**402.1 Platform Installation (Z-20/8N to SN 1158)**  
(continued)

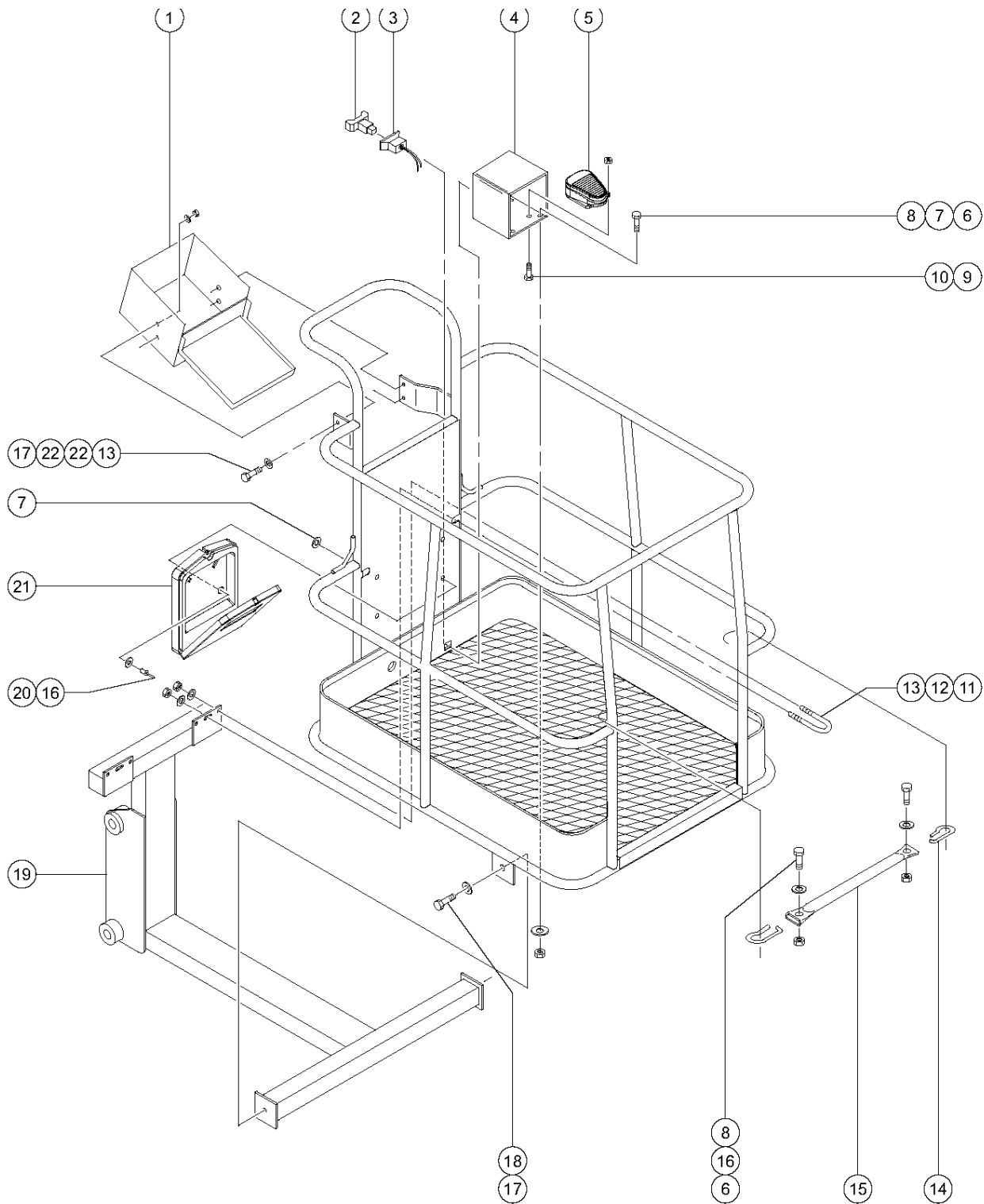
| Item | Part No. | Description                                              | Qty. |
|------|----------|----------------------------------------------------------|------|
| 18   | 6021     | WASHER, LOCK, .375.....2<br><i>to SN 1158</i>            |      |
| 19   | 44948    | PLAT.SUPPORT ASSY. ,Z20<br><i>from SN 646 to SN 1158</i> |      |
| --   | 46998    | PLAT.SUPPORT W/BEARNG,Z20<br><i>to SN 645</i>            |      |
| 20   | 12037    | RIVET, STL, STL, P, .25 X .5.....4<br><i>to SN 1158</i>  |      |
| 21   | 44743    | MANUAL BOX W/DECALS***.....1<br><i>to SN 1158</i>        |      |
| 22   | 5397     | WASHER, FLAT, USS, 5/16", Y.....8<br><i>to SN 1158</i>   |      |



402.1 Platform Installation (Z-20/8N to SN 1158)  
(continued)

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## 402.1 Platform Installation (Z-25/8 to SN 169)



## 402.1 Platform Installation (Z-25/8 to SN 169)

| Item | Part No. | Description                                                      | Qty. | Item | Part No. | Description                                               | Qty. |
|------|----------|------------------------------------------------------------------|------|------|----------|-----------------------------------------------------------|------|
| --   | 74754    | PLAT.ASSY.W/DECL,Z20WZ25,ANSI*<br>ANSI and CSA models; to SN 169 |      | --   | 45139    | RECEPT.,SNAP-IN,4 POLE<br>ANDERSN.....1<br>to SN 169      | 1    |
| --   | 74755    | PLAT.ASSY.W/DECAL,Z20W,Z25,CE*<br>CE models; to SN 169           |      | --   | 45200    | SPACER,SHORT ANDERSON.....1<br>to SN 169                  | 1    |
| 1    | 44965    | PLAT.CONTROL BOX W/DECAL,<br>Z20.....1<br>to SN 169              | 1    | --   | 45202    | PIN,ROLL,.094 X .875.....1<br>to SN 169                   | 1    |
| --   | 42151    | GASKET,PLAT.CONTROL BOX<br>Z20.....1<br>to SN 169                | 1    | 4    | 32710    | GUARD,FOOTSWITCH,W/DECAL<br>STEEL.....1<br>to SN 169      | 1    |
| 2    | 44966    | FOOTSWITCH WIRE ASSY,<br>Z20N.....1<br>to SN 169                 | 1    | 5    | 13482    | FOOT SWITCH***.....1<br>to SN 169                         | 1    |
| --   | 22431    | TERMINAL,ANDERSON,30A 12-16<br>GA.....1<br>to SN 169             | 1    | --   | 20262    | MICROSWITCH,13482<br>FOOTSWITCH.....1<br>to SN 169        | 1    |
| --   | 22432    | ANDERSON HOUSING,15-45 AMP<br>BLK.....1<br>to SN 169             | 1    | 6    | 6888     | SCREW,HHC,1/4-20 X 1.....6<br>to SN 169                   | 6    |
| --   | 22433    | ANDERSON<br>HOUSING,15-45,AMP,WHT.....1<br>to SN 169             | 1    | 7    | 6091     | NUT,NYLOCK,1/4-20.....8<br>to SN 169                      | 8    |
| --   | 22434    | ANDERSON HOUSING,15-45 AMP<br>RED.....1<br>to SN 169             | 1    | 8    | 49693    | WASHER,FENDER,.25X1.50X.074.2<br>to SN 169                | 2    |
| --   | 45201    | SPACER,LONG ANDERSON.....1<br>to SN 169                          | 1    | 9    | 17626    | SCREW,FHM,10-32 X .75.....2<br>to SN 169                  | 2    |
| --   | 45202    | PIN,ROLL,.094 X .875.....1<br>to SN 169                          | 1    | 10   | 6178     | NUT,NYLOCK,10-32.....2<br>to SN 169                       | 2    |
| --   | 45313    | PLUG,W/LATCH,4<br>POLE,ANDERSON.....1<br>to SN 169               | 1    | 11   | 6550     | U-BOLT,3/8 X 1 YZ.....2<br>to SN 169                      | 2    |
| --   | 6562     | WIRE CABLE,16/4<br>SJO,BULK.....82-inches<br>to SN 169           |      | 12   | 6097     | WASHER,FLAT,USS,3/8",Y.....6<br>to SN 169                 | 6    |
| 3    | 29431    | CONNECTOR<br>ASSEMBLY,FOOTSWITCH.....1<br>to SN 169              | 1    | 13   | 4828     | NUT,NYLOCK,3/8-16.....10<br>to SN 169                     | 10   |
| --   | 22432    | ANDERSON HOUSING,15-45 AMP<br>BLK.....1<br>to SN 169             | 1    | 14   | 12443    | MIDRAIL GUIDE ( HOOK ).....1<br>to SN 169                 | 1    |
| --   | 22433    | ANDERSON<br>HOUSING,15-45,AMP,WHT.....1<br>to SN 169             | 1    | --   | 21121    | CABLE TIE,4" BLK,HEAT RESISTNT<br>to SN 169               |      |
| --   | 22434    | ANDERSON HOUSING,15-45 AMP<br>RED.....1<br>to SN 169             | 1    | --   | 31146    | WIRE LOOM,.413"<br>NON-SLIT***.....12-inches<br>to SN 169 | 12   |
|      |          |                                                                  |      | 15   | 12447    | TUBE-NARROW<br>SLI.MIDRAIL-15.06.....1<br>to SN 169       | 1    |
|      |          |                                                                  |      | 16   | 6638     | WASHER,FLAT,USS,1/4"Y.....10<br>to SN 169                 | 10   |
|      |          |                                                                  |      | 17   | 6175     | SCREW,HHC,3/8-16 X 1.....4<br>to SN 169                   | 4    |
|      |          |                                                                  |      | 18   | 6021     | WASHER,LOCK,.375.....2<br>to SN 169                       | 2    |

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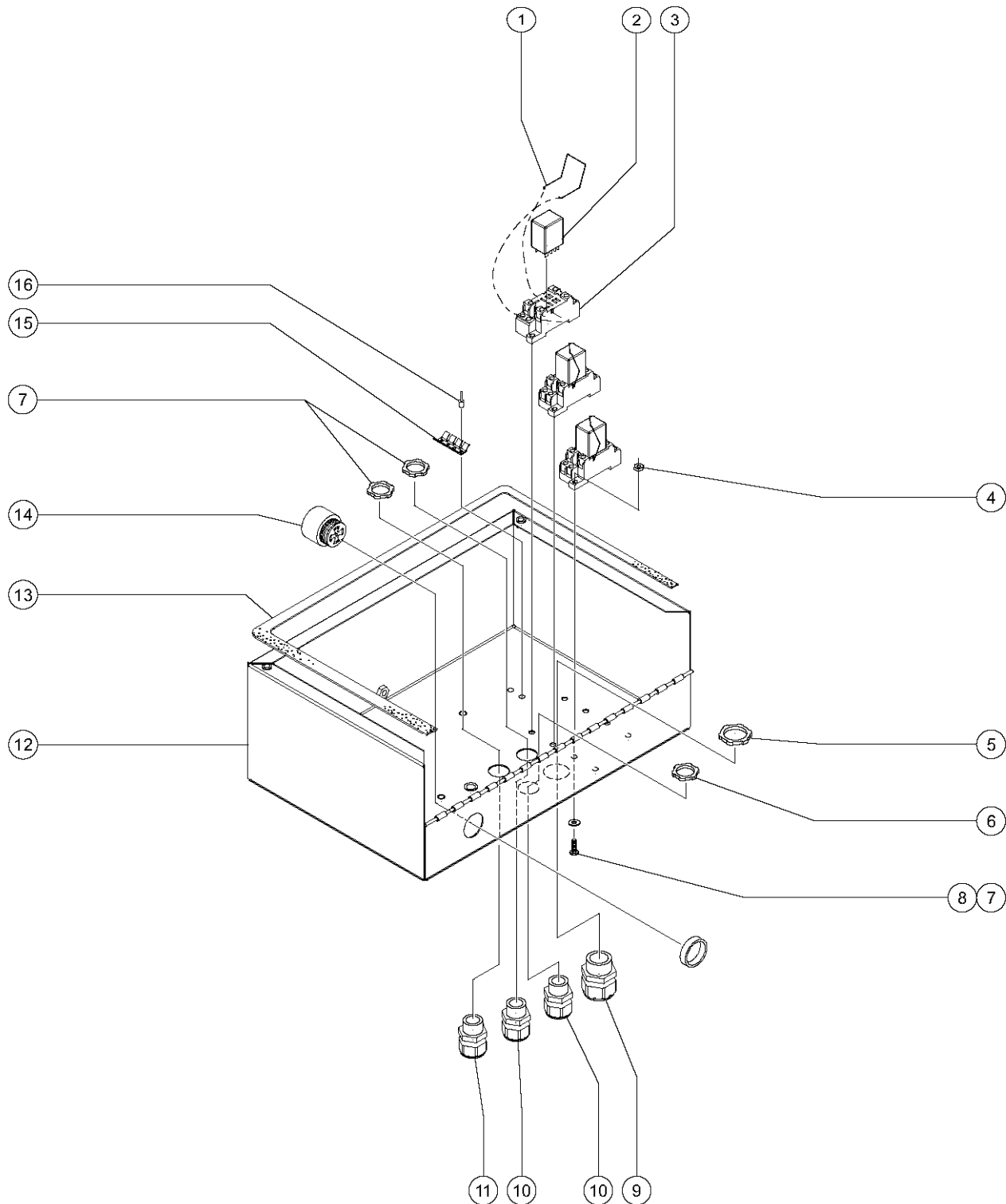
402.1 Platform Installation (Z-25/8 to SN 169)  
(continued)

| Item | Part No. | Description                                     | Qty. |
|------|----------|-------------------------------------------------|------|
| 19   | 46998    | PLAT.SUPPORT<br>W/BEARNG,Z20.....1<br>to SN 170 |      |
| 20   | 12037    | RIVET,STL,STL,P,.25 X .5.....4<br>to SN 169     |      |
| 21   | 44743    | MANUAL BOX W/DECALS***.....1<br>to SN 169       |      |
| 22   | 5397     | WASHER,FLAT,USS,5/16",Y.....8<br>to SN 169      |      |

402.1 Platform Installation (Z-25/8 to SN 169)  
(continued)

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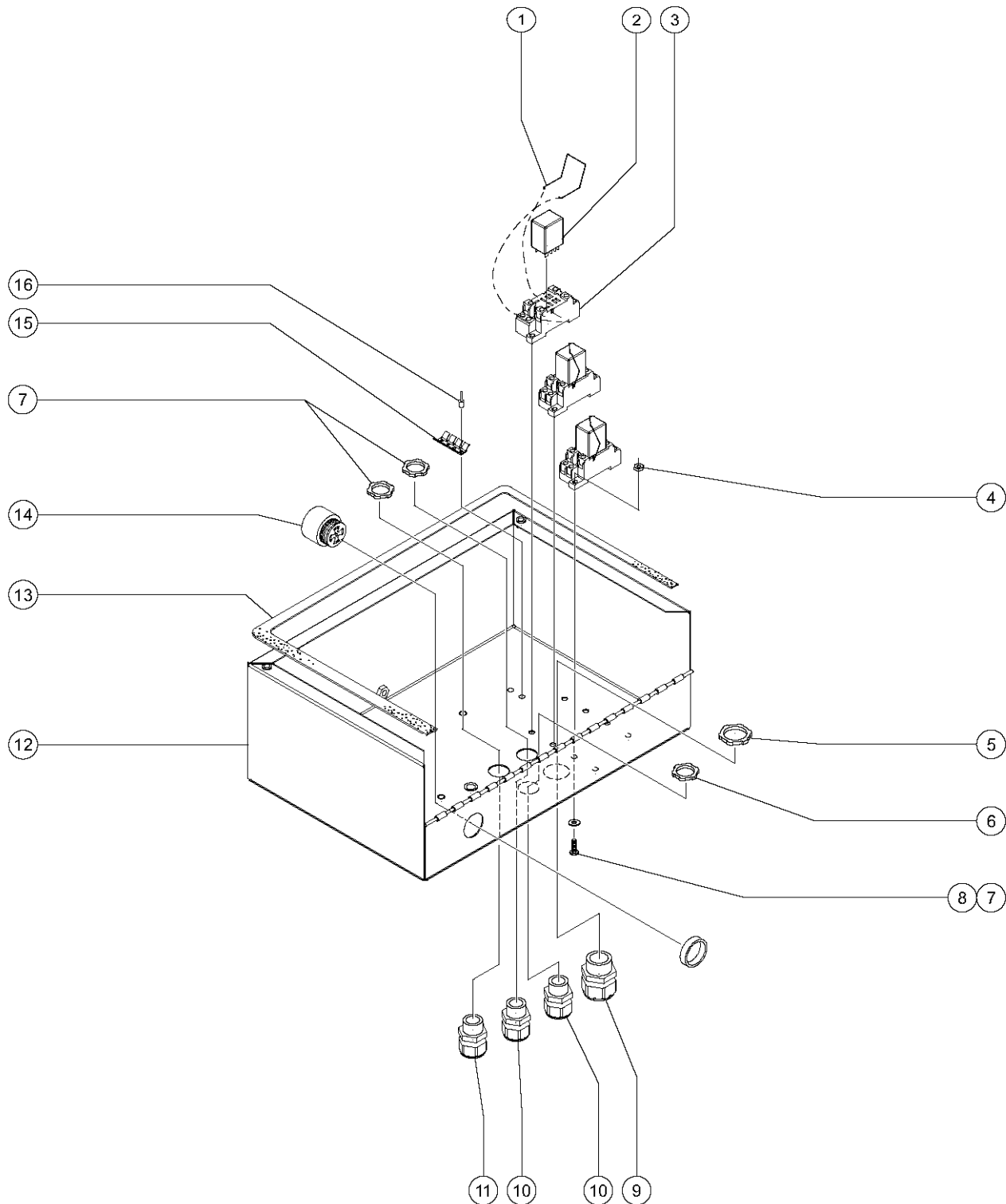
## 403.1 Platform Controls, View 1 (Z-20/8 from SN 105)



## 403.1 Platform Controls, View 1 (Z-20/8 from SN 105)

| Item | Part No. | Description                                                          | Qty. |
|------|----------|----------------------------------------------------------------------|------|
| 1    | 33609    | RELAY,HOLD DOWN,OMRON.....6<br>to SN 113                             |      |
| 1    | 42617    | CLIP,SPRING,POTTER<br>BRUMFIELD.....3<br>from SN 114                 |      |
| 2    | 42616    | RELAY,POTTER BRUMFIELD 24V<br>**.....3<br>to SN 113                  |      |
| 3    | 33608    | RELAY,SOCKET,OMRON.....3                                             |      |
| 4    | 6178     | NUT,NYLOCK,10-32.....6                                               |      |
| 5    | 14041    | LOCKNUT,ELECTRIC,3/4".....1                                          |      |
| 6    | 6935     | LOCKNUT,ELEC,1/2".....3                                              |      |
| 7    | 49816    | SCREW,PHILLIPS,PHM,10-32 X<br>.75.....6                              |      |
| 8    | 6146     | WASHER,FLAT,MS,#10,Y.....6                                           |      |
| 9    | 12960    | CABLE SQUEEZE CONN.,XTRA<br>LRG.....1                                |      |
| 10   | 7057     | CONN. SQZ,1/2NPT .39-.56<br>MED.....2                                |      |
| 11   | 7056     | CONN,SQUEEZE,1/2NPT<br>.38-.50,SM.....1                              |      |
| 12   | 74317    | CONTROL BOX,PLATFORM.....1<br>includes index number 13               |      |
| 13   | 36235    | GASKET,PLAT.CONTROL BOX.....1                                        |      |
| 14   | 45383    | ALARM,WARBLE TONE 5-30<br>VDC***.....1<br>Does not include 72326 nut |      |
| --   | 72326    | NUT - PLASTIC,RING FOR<br>ALARMS.....1                               |      |
| 15   | 56663    | TERMINAL STRIP.....1                                                 |      |
| 16   | 6272     | RIVET,STL,ST.MAN,P,125 X .25....2                                    |      |

## 403.1 Platform Controls, View 1 (Z-20/8N from SN 1159)

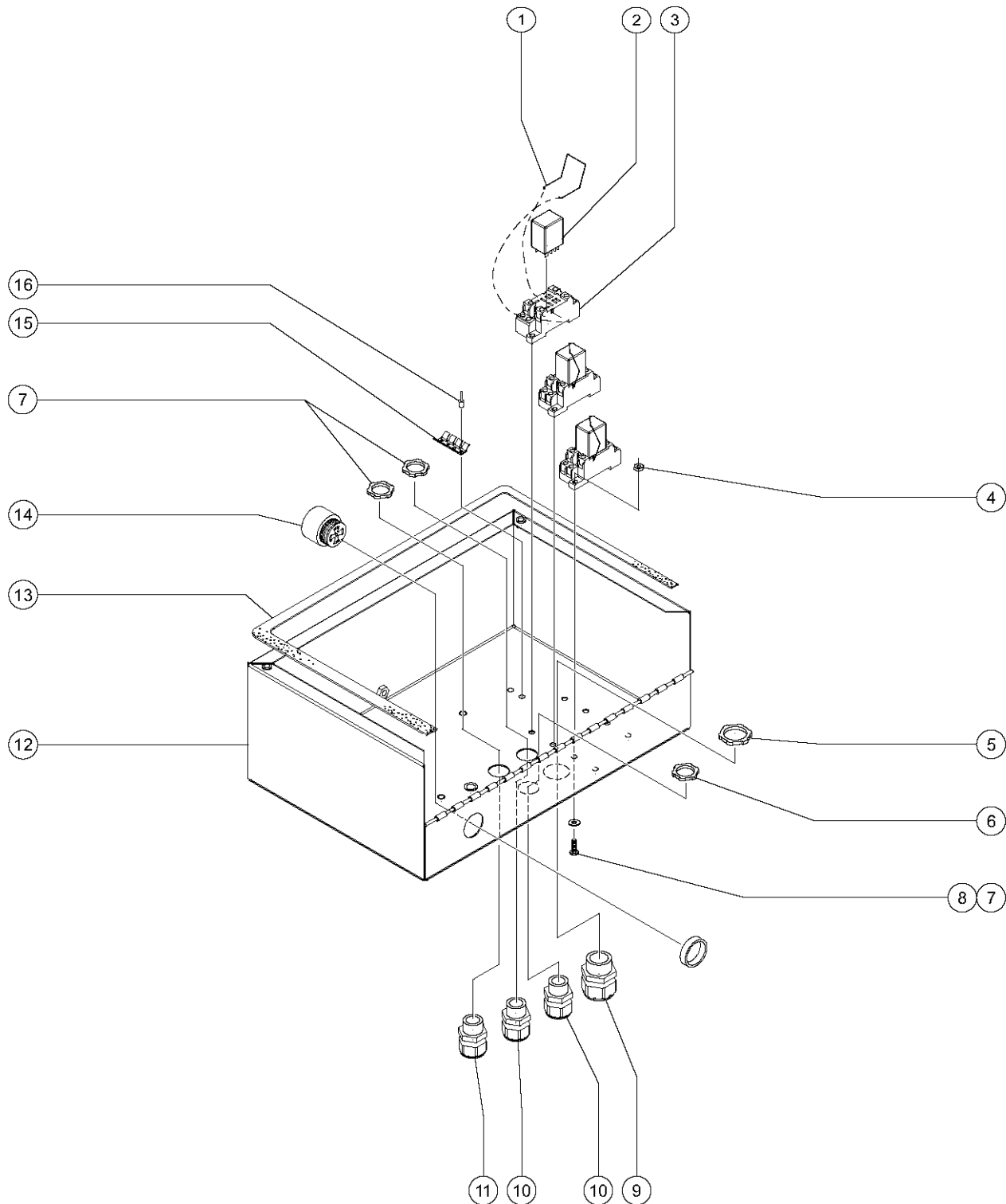




## 403.1 Platform Controls, View 1 (Z-20/8N from SN 1159)

| Item | Part No. | Description                                                                                | Qty. |
|------|----------|--------------------------------------------------------------------------------------------|------|
| 1    | 42617    | CLIP,SPRING,POTTER<br>BRUMFIELD.....3<br><i>from SN 1159</i>                               |      |
| 2    | 42616    | RELAY,POTTER BRUMFIELD 24V<br>**.....3<br><i>from SN 1159</i>                              |      |
| 3    | 33608    | RELAY,SOCKET,OMRON.....3<br><i>from SN 1159</i>                                            |      |
| 4    | 6178     | NUT,NYLOCK,10-32.....6<br><i>from SN 1159</i>                                              |      |
| 5    | 14041    | LOCKNUT,ELECTRIC,3/4".....1<br><i>from SN 1159</i>                                         |      |
| 6    | 6935     | LOCKNUT,ELEC,1/2".....3<br><i>from SN 1159</i>                                             |      |
| 7    | 49816    | SCREW,PHILLIPS,PHM,10-32 X<br>.75.....6<br><i>from SN 1159</i>                             |      |
| 8    | 6146     | WASHER,FLAT,MS,#10,Y.....6<br><i>from SN 1159</i>                                          |      |
| 9    | 12960    | CABLE SQUEEZE CONN.,XTRA<br>LRG.....1<br><i>from SN 1159</i>                               |      |
| 10   | 7057     | CONN. SQZ,1/2NPT .39-.56<br>MED.....2<br><i>from SN 1159</i>                               |      |
| 11   | 7056     | CONN,SQUEEZE,1/2NPT<br>.38-.50,SM.....1<br><i>from SN 1159</i>                             |      |
| 12   | 74317    | CONTROL BOX,PLATFORM.....1<br><i>includes index number 13; from SN 1159</i>                |      |
| 13   | 36235    | GASKET,PLAT.CONTROL BOX.....1<br><i>from SN 1159</i>                                       |      |
| 14   | 45383    | ALARM,WARBLE TONE 5-30<br>VDC***.....1<br><i>from SN 1159 (does not include 72326 nut)</i> |      |
| --   | 72326    | NUT - PLASTIC,RING FOR<br>ALARMS.....1<br><i>from SN 1159</i>                              |      |
| 15   | 56663    | TERMINAL STRIP.....1<br><i>from SN 1159</i>                                                |      |
| 16   | 6272     | RIVET,STL,ST.MAN,P,.125 X .25.....2<br><i>from SN 1159</i>                                 |      |

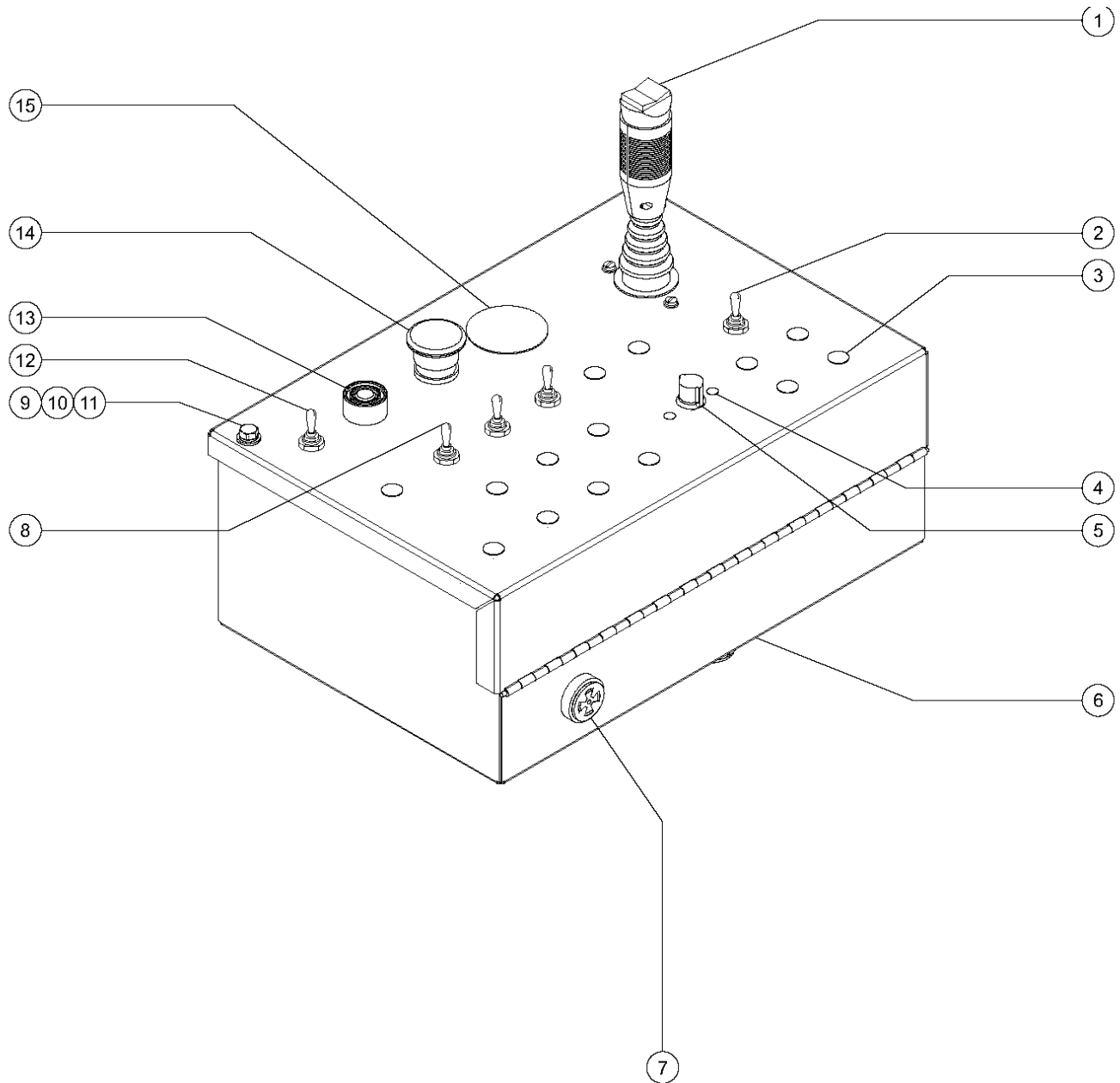
### 403.1 Platform Controls, View 1 (Z-25/8 from SN 170)



## 403.1 Platform Controls, View 1 (Z-25/8 from SN 170)

| Item | Part No. | Description                                                                | Qty. |
|------|----------|----------------------------------------------------------------------------|------|
| 1    | 42617    | CLIP,SPRING,POTTER<br>BRUMFIELD.....                                       | 3    |
| 2    | 42616    | RELAY,POTTER BRUMFIELD 24V<br>**.....                                      | 3    |
| 3    | 33608    | RELAY,SOCKET,OMRON.....                                                    | 3    |
| 4    | 6178     | NUT,NYLOCK,10-32.....                                                      | 6    |
| 5    | 14041    | LOCKNUT,ELECTRIC,3/4".....                                                 | 1    |
| 6    | 6935     | LOCKNUT,ELEC,1/2".....                                                     | 3    |
| 7    | 49816    | SCREW,PHILLIPS,PHM,10-32 X<br>.75.....                                     | 6    |
| 8    | 6146     | WASHER,FLAT,MS,#10,Y.....                                                  | 6    |
| 9    | 12960    | CABLE SQUEEZE CONN.,XTRA<br>LRG.....                                       | 1    |
| 10   | 7057     | CONN. SQZ,1/2NPT .39-.56<br>MED.....                                       | 2    |
| 11   | 7056     | CONN,SQUEEZE,1/2NPT<br>.38-.50,SM.....                                     | 1    |
| 12   | 74317    | CONTROL BOX,PLATFORM.....<br><i>includes index number 13</i>               | 1    |
| 13   | 36235    | GASKET,PLAT.CONTROL BOX.....                                               | 1    |
| 14   | 45383    | ALARM,WARBLE TONE 5-30<br>VDC***.....<br><i>Does not include 72326 nut</i> | 1    |
| --   | 72326    | NUT - PLASTIC,RING FOR ALARMS                                              |      |
| 15   | 56663    | TERMINAL STRIP.....                                                        | 1    |
| 16   | 6272     | RIVET,STL,ST.MAN,P,.125 X .25.....                                         | 2    |

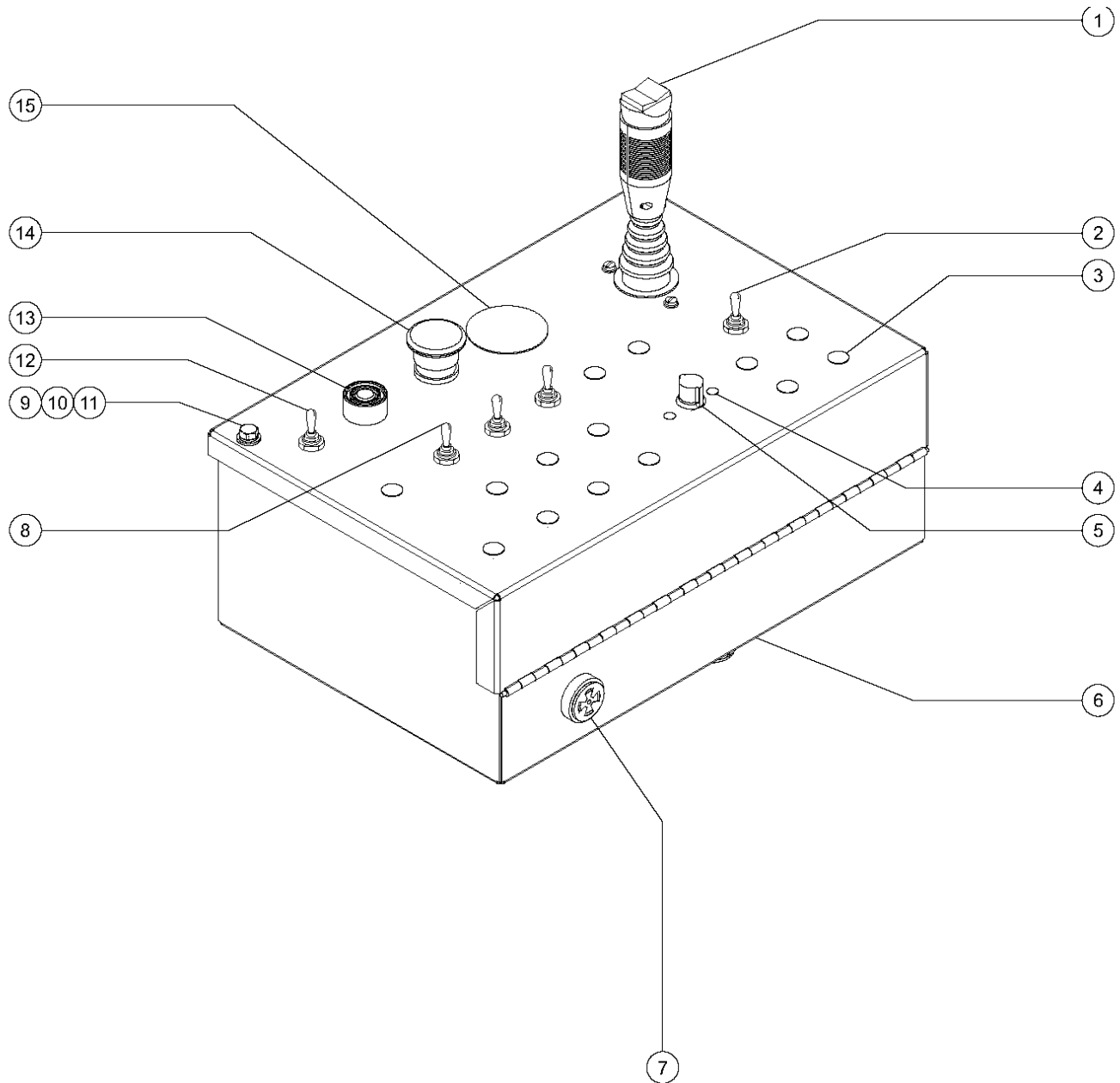
## 404.1 Platform Controls, View 2 (Z-20/8 from SN 105)



## 404.1 Platform Controls, View 2 (Z-20/8 from SN 105)

| Item | Part No. | Description                            | Qty. | Item | Part No. | Description                                        | Qty. |
|------|----------|----------------------------------------|------|------|----------|----------------------------------------------------|------|
| 1    | 36867    | JOYSTICK,CONTROLLER 24V.....           | 1    | --   | 66821    | BASE,WITHOUT CONTACTS.....                         | 1    |
| 2    | 42730-S  | SWITCH,TOGGLE SPDT,2POS<br>MOMEN.....  | 1    | 15   | 45840    | PLUG,NYLON 2.00 BLACK<br>DOMED.....                | 1    |
| --   | 27246    | BOOT,TOGGLE<br>SWITCH,SHORT*.....      | 1    | --   | 13097    | FUSE,10 AMP.....                                   | 1    |
| --   | 54692    | SPACER,NYLON,.718 X .526<br>X.219..... | 1    | --   | 19506    | HOUR METER,10-80 VOLTS***.....                     | 1    |
| 3    | 45384    | PLUG,NYLON .50 BLACK<br>DOMED.....     | 12   | --   | 23083-S  | FUSE HOLDER,WATERPROOF.....                        | 1    |
| 4    | 42781    | PLUG,DOWEL,1/4 PLASTIC.....            | 2    | --   | 237145   | IND,BAT CHARGE,48V<br>LEAD-ACID.....               | 1    |
| 5    | 42427    | POTENTIOMETER ASSEMBLY,<br>0-20K*..... | 1    |      |          | <i>includes mounting bracket and<br/>fasteners</i> |      |
| --   | 44992    | KNOB,POTENTIOMETER, 42427....          | 1    |      |          |                                                    |      |
| 6    | 74317    | CONTROL BOX,PLATFORM.....              | 1    |      |          |                                                    |      |
| --   | 36235    | GASKET,PLAT.CONTROL BOX.....           | 1    |      |          |                                                    |      |
| 7    | 45383    | ALARM,WARBLE TONE 5-30<br>VDC***.....  | 1    |      |          |                                                    |      |
| --   | 72326    | NUT - PLASTIC,RING FOR<br>ALARMS.....  | 1    |      |          |                                                    |      |
| 8    | 16397-S  | SWITCH,TOGGLE,DPDT,3POS<br>MOMEN.....  | 3    |      |          |                                                    |      |
| --   | 27246    | BOOT,TOGGLE<br>SWITCH,SHORT*.....      | 1    |      |          |                                                    |      |
| --   | 54692    | SPACER,NYLON,.718 X .526<br>X.219..... | 1    |      |          |                                                    |      |
| 9    | 6090     | SCREW,HHC,1/4-20 X .75.....            | 2    |      |          |                                                    |      |
| 10   | 6356     | WASHER,LOCK,.25.....                   | 2    |      |          |                                                    |      |
| 11   | 6638     | WASHER,FLAT,USS,1/4"Y.....             | 2    |      |          |                                                    |      |
| 12   | 42730-S  | SWITCH,TOGGLE SPDT,2POS<br>MOMEN.....  | 1    |      |          |                                                    |      |
| --   | 27246    | BOOT,TOGGLE<br>SWITCH,SHORT*.....      | 1    |      |          |                                                    |      |
| --   | 54692    | SPACER,NYLON,.718 X .526<br>X.219..... | 1    |      |          |                                                    |      |
| 13   | 122513   | KIT,HORN SVC BB&SM BOOM.....           | 1    |      |          |                                                    |      |
| --   | 66813    | BUTTON,PUSH,BLACK<br>W/SEAL ***.....   | 1    |      |          |                                                    |      |
| --   | 66815    | BASE, W/1 N.O. CONTACTS***.....        | 1    |      |          |                                                    |      |
| --   | 66816    | CONTACT,N.O.....                       | 1    |      |          |                                                    |      |
| 14   | 122514   | KIT,ESTOP SVC BB&SM BOOM.....          | 1    |      |          |                                                    |      |
| --   | 66818    | CONTACT,NC.....                        | 2    |      |          |                                                    |      |

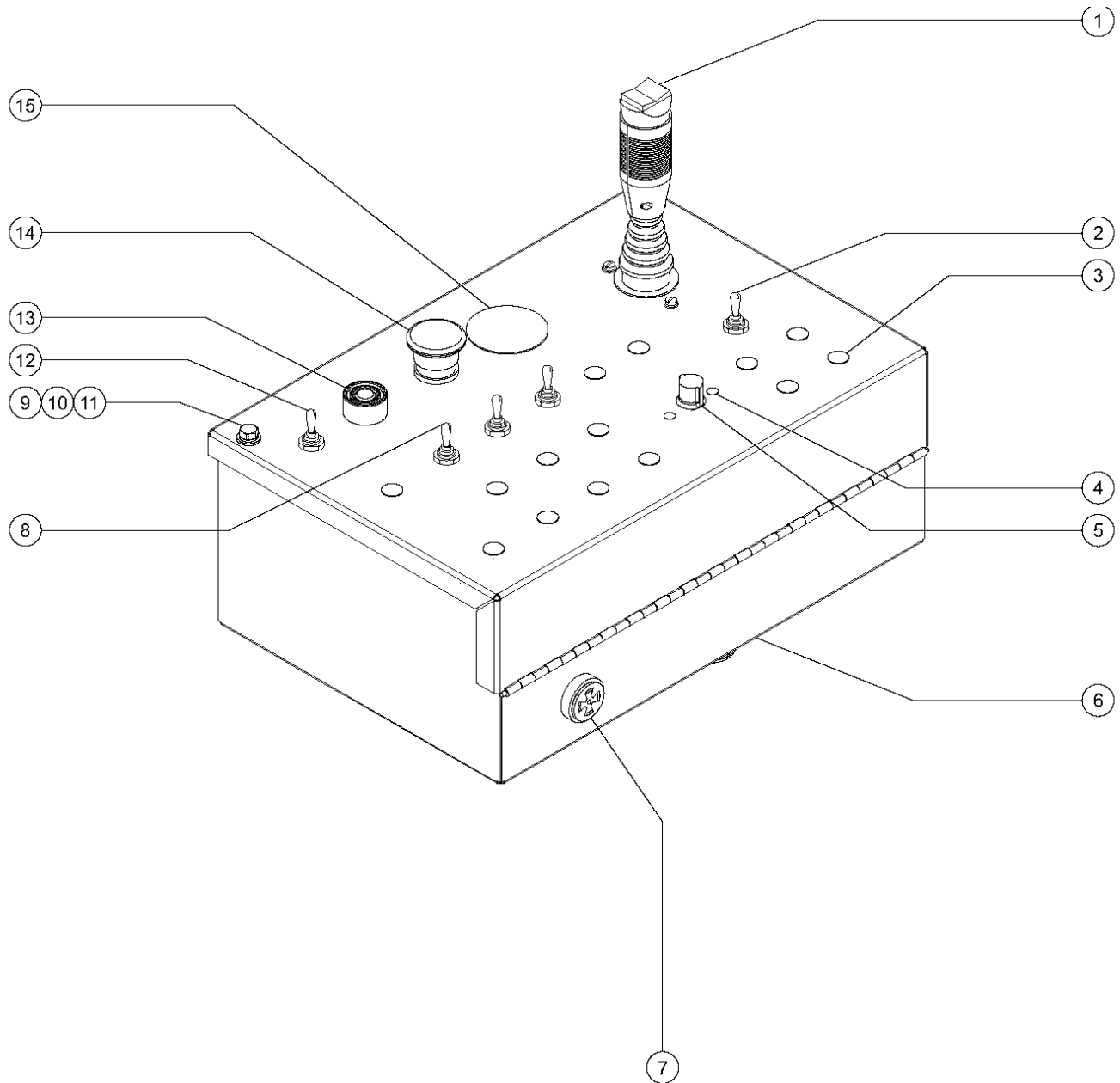
## 404.1 Platform Controls, View 2 (Z-20/8N from SN 1159)



## 404.1 Platform Controls, View 2 (Z-20/8N from SN 1159)

| Item | Part No. | Description                                                                  | Qty. | Item | Part No. | Description                                                                             | Qty. |
|------|----------|------------------------------------------------------------------------------|------|------|----------|-----------------------------------------------------------------------------------------|------|
| 1    | 36867    | JOYSTICK,CONTROLLER 24V.....1                                                |      | 14   | 66821    | BASE,WITHOUT CONTACTS.....1                                                             |      |
| 2    | 27246    | BOOT,TOGGLE<br>SWITCH,SHORT*.....1                                           |      | 15   | 13097    | FUSE,10 AMP.....1                                                                       |      |
| 2    | 42730-S  | SWITCH,TOGGLE SPDT,2POS<br>MOMEN.....1<br><i>includes mounting fasteners</i> |      | 15   | 19506    | hour meter,10-80 VOLTS***.....1<br><i>includes fuse and fuse holder</i>                 |      |
| 2    | 54692    | SPACER,NYLON,.718 X .526<br>X.219.....1                                      |      | 15   | 23083-S  | FUSE HOLDER,WATERPROOF.....1                                                            |      |
| 3    | 45384    | PLUG,NYLON .50 BLACK<br>DOMED.....12                                         |      | 15   | 237145   | IND,BAT CHARGE,48V<br>LEAD-ACID.....1<br><i>includes mounting bracket and fasteners</i> |      |
| 4    | 42781    | PLUG,DOWEL,1/4 PLASTIC.....2                                                 |      | 15   | 45840    | PLUG,NYLON 2.00 BLACK<br>DOMED.....1                                                    |      |
| 5    | 42427    | POTENTIOMETER ASSEMBLY,<br>0-20K*.....1                                      |      |      |          |                                                                                         |      |
| 5    | 44992    | KNOB,POTENTIOMETER, 42427....1                                               |      |      |          |                                                                                         |      |
| 6    | 36235    | GASKET,PLAT.CONTROL BOX.....1                                                |      |      |          |                                                                                         |      |
| 6    | 74317    | CONTROL BOX,PLATFORM.....1                                                   |      |      |          |                                                                                         |      |
| 7    | 45383    | ALARM,WARBLE TONE 5-30<br>VDC***.....1<br><i>Does not include 72326 nut</i>  |      |      |          |                                                                                         |      |
| --   | 72326    | NUT - PLASTIC,RING FOR<br>ALARMS.....1                                       |      |      |          |                                                                                         |      |
| 8    | 16397-S  | SWITCH,TOGGLE,DPDT,3POS<br>MOMEN.....3                                       |      |      |          |                                                                                         |      |
| 8    | 27246    | BOOT,TOGGLE<br>SWITCH,SHORT*.....1                                           |      |      |          |                                                                                         |      |
| 8    | 54692    | SPACER,NYLON,.718 X .526<br>X.219.....1                                      |      |      |          |                                                                                         |      |
| 9    | 6090     | SCREW,HHC,1/4-20 X .75.....2                                                 |      |      |          |                                                                                         |      |
| 10   | 6356     | WASHER,LOCK,.25.....2                                                        |      |      |          |                                                                                         |      |
| 11   | 6638     | WASHER,FLAT,USS,1/4"Y.....2                                                  |      |      |          |                                                                                         |      |
| 12   | 27246    | BOOT,TOGGLE<br>SWITCH,SHORT*.....1                                           |      |      |          |                                                                                         |      |
| 12   | 42730-S  | SWITCH,TOGGLE SPDT,2POS<br>MOMEN.....1<br><i>includes mounting fasteners</i> |      |      |          |                                                                                         |      |
| 12   | 54692    | SPACER,NYLON,.718 X .526<br>X.219.....1                                      |      |      |          |                                                                                         |      |
| 13   | 122513   | KIT,HORN SVC BB&SM BOOM.....1                                                |      |      |          |                                                                                         |      |
| 13   | 66813    | BUTTON,PUSH,BLACK<br>W/SEAL ***.....1                                        |      |      |          |                                                                                         |      |
| 13   | 66815    | BASE, W/1 N.O. CONTACTS***.....1                                             |      |      |          |                                                                                         |      |
| 13   | 66816    | CONTACT,N.O.....1                                                            |      |      |          |                                                                                         |      |
| 14   | 122514   | KIT,ESTOP SVC BB&SM BOOM.....1                                               |      |      |          |                                                                                         |      |
| 14   | 66818    | CONTACT,NC.....2                                                             |      |      |          |                                                                                         |      |

## 404.1 Platform Controls, View 2 (Z-25/8 from SN 170)

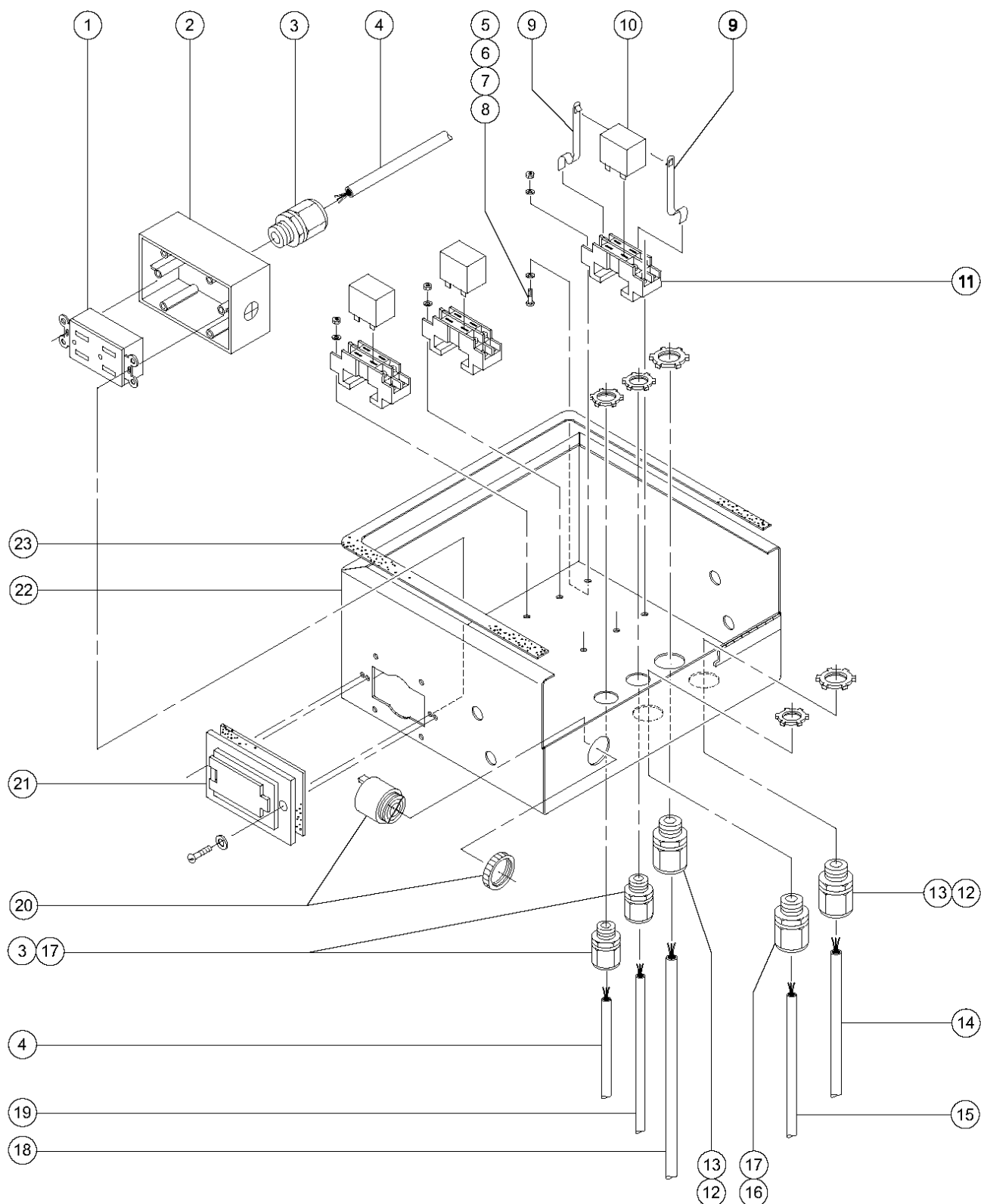




## 404.1 Platform Controls, View 2 (Z-25/8 from SN 170)

| Item | Part No. | Description                         | Qty. | Item | Part No. | Description                                    | Qty. |
|------|----------|-------------------------------------|------|------|----------|------------------------------------------------|------|
| 1    | 36867    | JOYSTICK,CONTROLLER 24V.....        | 1    | 14   | 66821    | BASE,WITHOUT CONTACTS.....                     | 1    |
| 2    | 27246    | BOOT,TOGGLE SWITCH,SHORT*.....      | 1    | 15   | 13097    | FUSE,10 AMP.....                               | 1    |
| 2    | 42730-S  | SWITCH,TOGGLE SPDT,2POS MOMEN.....  | 1    | 15   | 19506    | HOUR METER,10-80 VOLTS***,.....                | 1    |
|      |          | <i>includes mounting fasteners</i>  |      |      |          | <i>includes fuse and fuse holder</i>           |      |
| 2    | 54692    | SPACER,NYLON,.718 X .526 X.219..... | 1    | 15   | 23083-S  | FUSE HOLDER,WATERPROOF.....                    | 1    |
| 3    | 45384    | PLUG,NYLON .50 BLACK DOMED.....     | 12   | 15   | 237145   | IND,BAT CHARGE,48V LEAD-ACID.....              | 1    |
| 4    | 42781    | PLUG,DOWEL,1/4 PLASTIC.....         | 2    |      |          | <i>includes mounting bracket and fasteners</i> |      |
| 5    | 42427    | POTENTIOMETER ASSEMBLY, 0-20K*..... | 1    | 15   | 45840    | PLUG,NYLON 2.00 BLACK DOMED.....               | 1    |
| 5    | 44992    | KNOB,POTENTIOMETER, 42427....       | 1    |      |          |                                                |      |
| 6    | 36235    | GASKET,PLAT.CONTROL BOX.....        | 1    |      |          |                                                |      |
| 6    | 74317    | CONTROL BOX,PLATFORM.....           | 1    |      |          |                                                |      |
| 7    | 45383    | ALARM,WARBLE TONE 5-30 VDC***.....  | 1    |      |          |                                                |      |
|      |          | <i>Does not include 72326 nut</i>   |      |      |          |                                                |      |
| --   | 72326    | NUT - PLASTIC,RING FOR ALARMS.....  | 1    |      |          |                                                |      |
| 8    | 16397-S  | SWITCH,TOGGLE,DPDT,3POS MOMEN.....  | 3    |      |          |                                                |      |
| 8    | 27246    | BOOT,TOGGLE SWITCH,SHORT*.....      | 1    |      |          |                                                |      |
| 8    | 54692    | SPACER,NYLON,.718 X .526 X.219..... | 1    |      |          |                                                |      |
| 9    | 6090     | SCREW,HHC,1/4-20 X .75.....         | 2    |      |          |                                                |      |
| 10   | 6356     | WASHER,LOCK,.25.....                | 2    |      |          |                                                |      |
| 11   | 6638     | WASHER,FLAT,USS,1/4"Y.....          | 2    |      |          |                                                |      |
| 12   | 27246    | BOOT,TOGGLE SWITCH,SHORT*.....      | 1    |      |          |                                                |      |
| 12   | 42730-S  | SWITCH,TOGGLE SPDT,2POS MOMEN.....  | 1    |      |          |                                                |      |
|      |          | <i>includes mounting fasteners</i>  |      |      |          |                                                |      |
| 12   | 54692    | SPACER,NYLON,.718 X .526 X.219..... | 1    |      |          |                                                |      |
| 13   | 122513   | KIT,HORN SVC BB&SM BOOM.....        | 1    |      |          |                                                |      |
| 13   | 66813    | BUTTON,PUSH,BLACK W/SEAL ***.....   | 1    |      |          |                                                |      |
| 13   | 66815    | BASE, W/1 N.O. CONTACTS***.....     | 1    |      |          |                                                |      |
| 13   | 66816    | CONTACT,N.O.....                    | 1    |      |          |                                                |      |
| 14   | 122514   | KIT,ESTOP SVC BB&SM BOOM.....       | 1    |      |          |                                                |      |
| 14   | 66818    | CONTACT,NC.....                     | 1    |      |          |                                                |      |

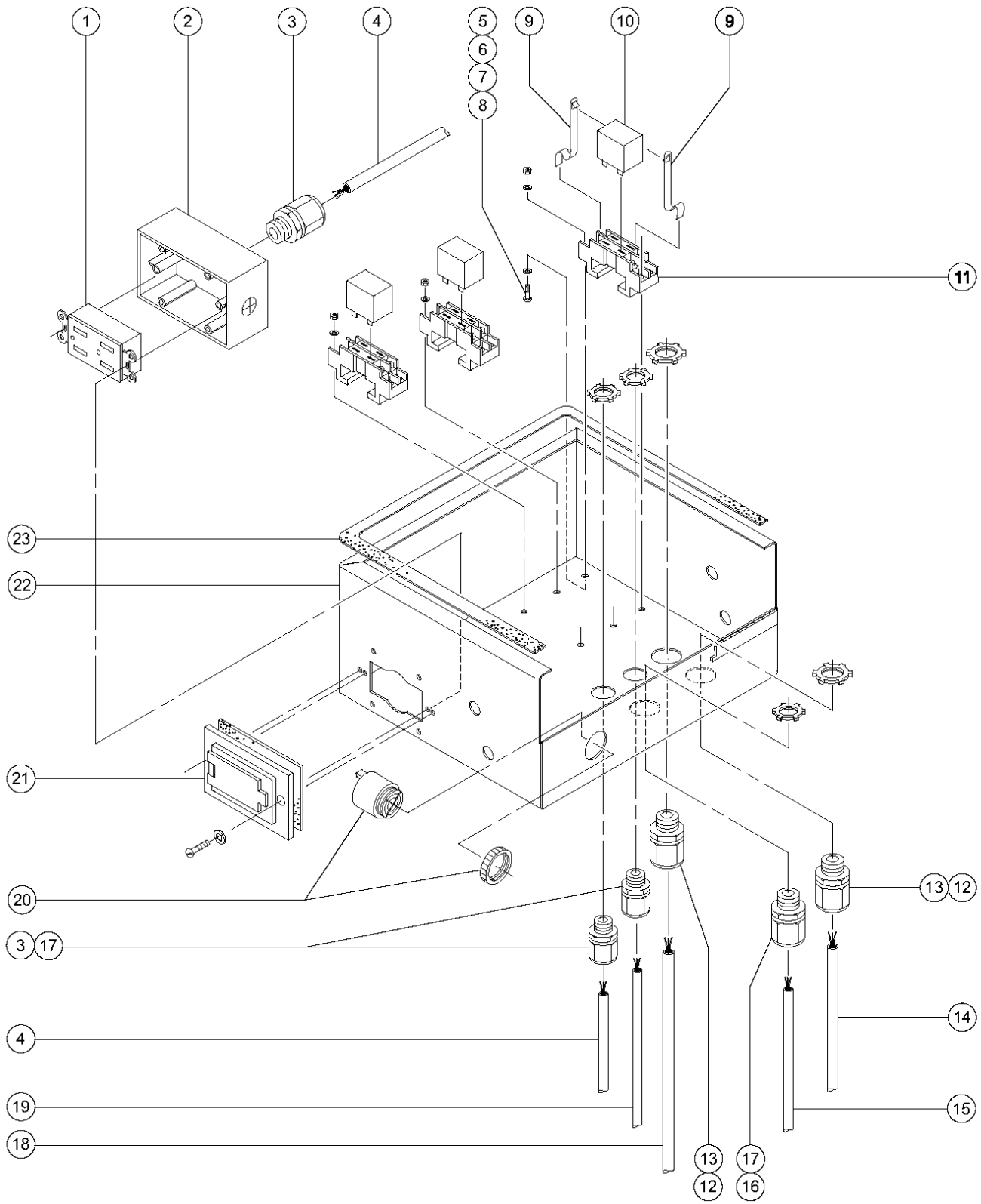
### 405.1 Platform Controls, View 1 (Z-20/8 to SN 104)



## 405.1 Platform Controls, View 1 (Z-20/8 to SN 104)

| Item | Part No. | Description                                                                                        | Qty.       | Item | Part No. | Description                    | Qty. |
|------|----------|----------------------------------------------------------------------------------------------------|------------|------|----------|--------------------------------|------|
| 1    | 13585    | OUTLET,110V GFCI***<br><i>North America</i>                                                        | 1          | 23   | 42151    | GASKET,PLAT.CONTROL BOX<br>Z20 | 1    |
| 1    | 35003    | RECEPTACLE, BRITISH, 110V<br><i>UK</i>                                                             | 1          |      |          |                                |      |
| 2    | 10775    | T-BOX,2.75 X 4.5 X 2.0                                                                             | 1          |      |          |                                |      |
| 3    | 7056     | CONN,SQUEEZE,1/2NPT<br>.38-.50,SM                                                                  | 3          |      |          |                                |      |
| 4    | 43956    | WIRE CABLE,14/3 CON.TPE<br>JKT*                                                                    | 348-inches |      |          |                                |      |
| 5    | 49816    | SCREW,PHILLIPS,PHM,10-32 X<br>.75                                                                  | 6          |      |          |                                |      |
| 6    | 6146     | WASHER,FLAT,MS,#10,Y                                                                               | 6          |      |          |                                |      |
| 7    | 6607     | WASHER,LOCK,#10 PLTD                                                                               | 6          |      |          |                                |      |
| 8    | 6178     | NUT,NYLOCK,10-32                                                                                   | 6          |      |          |                                |      |
| 9    | 33609    | RELAY,HOLD DOWN,OMRON                                                                              | 6          |      |          |                                |      |
| 10   | 42616    | RELAY,POTTER BRUMFIELD 24V<br>**                                                                   | 3          |      |          |                                |      |
| 11   | 33608    | RELAY,SOCKET,OMRON                                                                                 | 3          |      |          |                                |      |
| 12   | 12960    | CABLE SQUEEZE CONN.,XTRA<br>LRG                                                                    | 2          |      |          |                                |      |
| 13   | 14041    | LOCKNUT,ELECTRIC,3/4"                                                                              | 2          |      |          |                                |      |
| 14   | 35934    | WIRE CABLE,18/19<br>CON.TPRJKT                                                                     | 384-inches |      |          |                                |      |
| 15   | 42587    | WIRE CABLE,18GA/7CON TPR<br>JKT                                                                    | 384-inches |      |          |                                |      |
| 16   | 7057     | CONN. SQZ,1/2NPT .39-.56<br>MED                                                                    | 1          |      |          |                                |      |
| 17   | 6935     | LOCKNUT,ELEC,1/2"                                                                                  | 1          |      |          |                                |      |
| 18   | 42587    | WIRE CABLE,18GA/7CON TPR<br>JKT                                                                    | 132-inches |      |          |                                |      |
| 19   | 56051    | WIRE<br>CABLE,16/2,WHT/BLK,SJEOW                                                                   | .84-inches |      |          |                                |      |
| 20   | 45383    | ALARM,WARBLE TONE 5-30<br>VDC***                                                                   | 1          |      |          |                                |      |
| --   | 72326    | NUT - PLASTIC,RING FOR<br>ALARMS                                                                   | 1          |      |          |                                |      |
| 21   | 63375    | SCREW,FHM,6-32 X .75                                                                               | 1          |      |          |                                |      |
| 21   | 74006    | COVER,GFCI,HORIZONTAL,WEATHER.<br><i>includes mounting fasteners and<br/>gasket; North America</i> | 1          |      |          |                                |      |
| 21   | 74052    | GASKET,COVER,GFCI,WEATHERPROOF                                                                     | 1          |      |          |                                |      |
| 22   | 44965    | PLAT.CONTROL BOX W/DECAL,<br>Z20                                                                   | 1          |      |          |                                |      |
|      |          | <i>includes Index No. 23</i>                                                                       |            |      |          |                                |      |

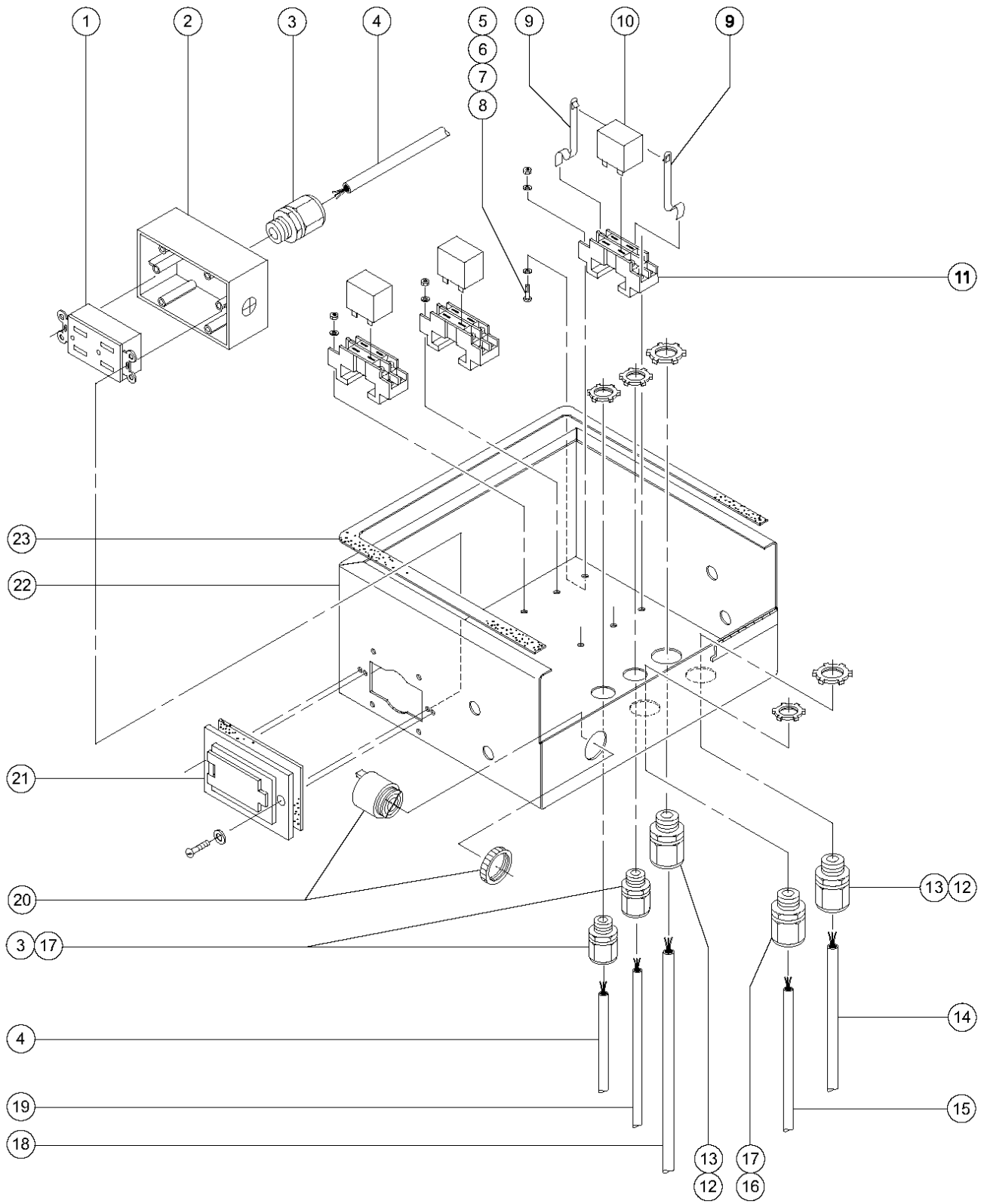
## 405.1 Platform Controls, View 1 (Z-20/8N to SN 1158)



## 405.1 Platform Controls, View 1 (Z-20/8N to SN 1158)

| Item | Part No. | Description                                                                                         | Qty. | Item | Part No. | Description                                                            | Qty. |
|------|----------|-----------------------------------------------------------------------------------------------------|------|------|----------|------------------------------------------------------------------------|------|
| 1    | 13585    | OUTLET,110V GFCI***.....1<br><i>North America</i>                                                   | 1    | 21   | 74052    | GASKET,COVER,GFCI,WEATHERPROOF.1                                       | 1    |
| 1    | 35003    | RECEPTACLE, BRITISH, 110V.....1<br><i>UK</i>                                                        | 1    | 22   | 44965    | PLAT.CONTROL BOX W/DECAL,<br>Z20.....1<br><i>includes Index No. 23</i> | 1    |
| 2    | 10775    | T-BOX,2.75 X 4.5 X 2.0.....1                                                                        | 1    | 23   | 42151    | GASKET,PLAT.CONTROL BOX<br>Z20.....1                                   | 1    |
| 3    | 7056     | CONN,SQUEEZE,1/2NPT<br>.38-.50,SM.....3                                                             | 3    |      |          |                                                                        |      |
| 4    | 43956    | WIRE CABLE,14/3 CON.TPE<br>JKT*.....348-inches                                                      |      |      |          |                                                                        |      |
| 5    | 49816    | SCREW,PHILLIPS,PHM,10-32 X<br>.75.....6                                                             | 6    |      |          |                                                                        |      |
| 6    | 6146     | WASHER,FLAT,MS,#10,Y.....6                                                                          | 6    |      |          |                                                                        |      |
| 7    | 6607     | WASHER,LOCK,#10 PLTD.....6                                                                          | 6    |      |          |                                                                        |      |
| 8    | 6178     | NUT,NYLOCK,10-32.....6                                                                              | 6    |      |          |                                                                        |      |
| 9    | 33609    | RELAY,HOLD DOWN,OMRON.....6<br><i>to SN 386</i>                                                     | 6    |      |          |                                                                        |      |
| 9    | 42617    | CLIP,SPRING,POTTER<br>BRUMFIELD.....6<br><i>from SN 387</i>                                         | 6    |      |          |                                                                        |      |
| 10   | 42616    | RELAY,POTTER BRUMFIELD 24V<br>**.....3<br><i>from SN 387</i>                                        | 3    |      |          |                                                                        |      |
| 11   | 33608    | RELAY,SOCKET,OMRON.....3                                                                            | 3    |      |          |                                                                        |      |
| 12   | 12960    | CABLE SQUEEZE CONN.,XTRA<br>LRG.....2                                                               | 2    |      |          |                                                                        |      |
| 13   | 14041    | LOCKNUT,ELECTRIC,3/4".....2                                                                         | 2    |      |          |                                                                        |      |
| 14   | 35934    | WIRE CABLE,18/19<br>CON.TPRJKT.....384-inches                                                       |      |      |          |                                                                        |      |
| 15   | 42587    | WIRE CABLE,18GA/7CON TPR<br>JKT.....384-inches                                                      |      |      |          |                                                                        |      |
| 16   | 7057     | CONN. SQZ,1/2NPT .39-.56<br>MED.....1                                                               | 1    |      |          |                                                                        |      |
| 17   | 6935     | LOCKNUT,ELEC,1/2".....1                                                                             | 1    |      |          |                                                                        |      |
| 18   | 42587    | WIRE CABLE,18GA/7CON TPR<br>JKT.....132-inches                                                      |      |      |          |                                                                        |      |
| 19   | 56051    | WIRE<br>CABLE,16/2,WHT/BLK,SJEOW.84-inches                                                          |      |      |          |                                                                        |      |
| 20   | 45383    | ALARM,WARBLE TONE 5-30<br>VDC***.....1<br><i>Does not include 72326 nut</i>                         | 1    |      |          |                                                                        |      |
| --   | 72326    | NUT - PLASTIC,RING FOR<br>ALARMS.....1                                                              | 1    |      |          |                                                                        |      |
| 21   | 63375    | SCREW,FHM,6-32 X .75.....1                                                                          | 1    |      |          |                                                                        |      |
| 21   | 74006    | COVER,GFCI,HORIZONTAL,WEATHER.1<br><i>includes mounting fasteners and<br/>gasket; North America</i> | 1    |      |          |                                                                        |      |

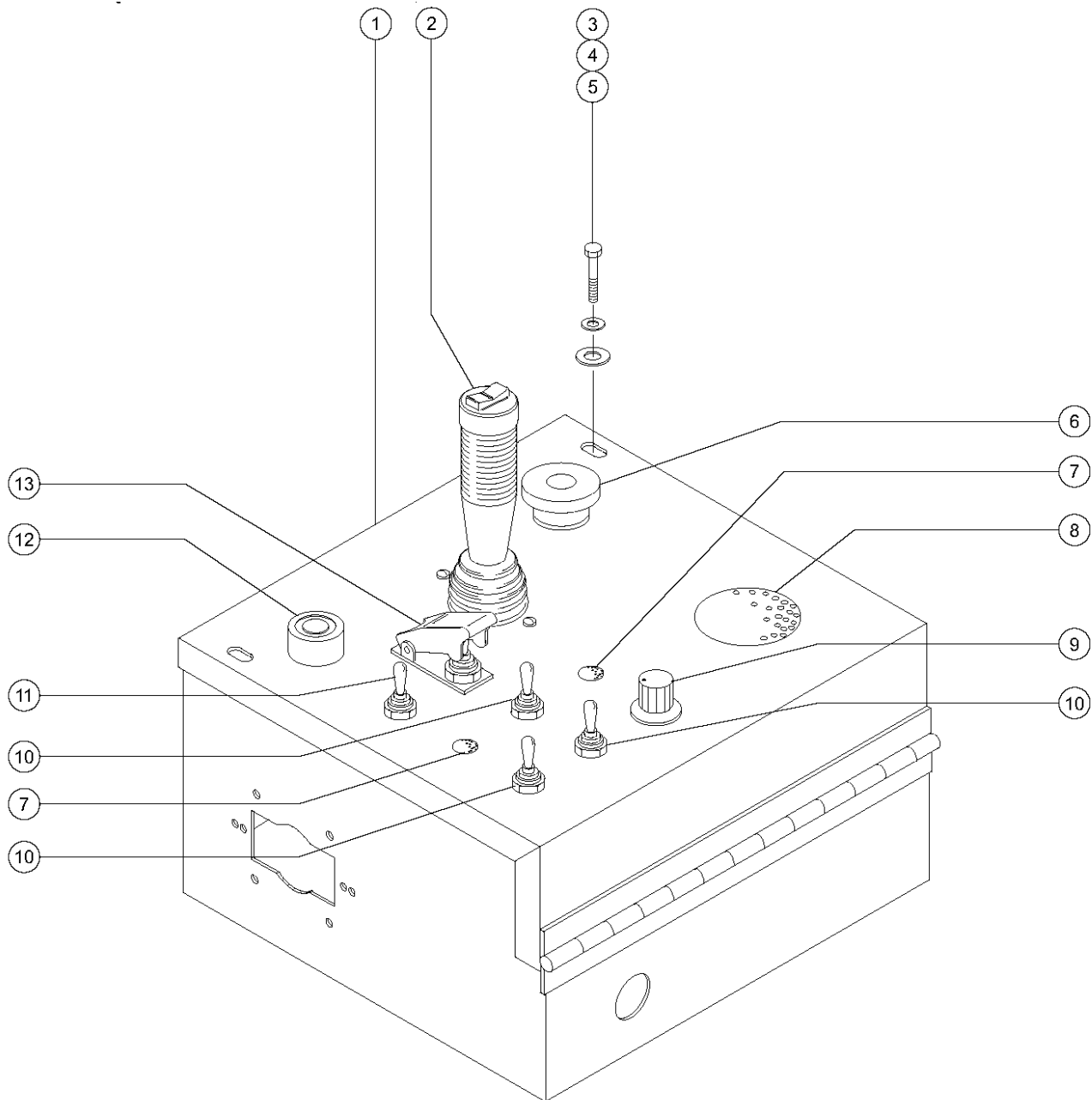
## 405.1 Platform Controls, View 1 (Z-25/8 to SN 169)



## 405.1 Platform Controls, View 1 (Z-25/8 to SN 169)

| Item | Part No. | Description                                                                                        | Qty.       | Item | Part No. | Description                                                      | Qty. |
|------|----------|----------------------------------------------------------------------------------------------------|------------|------|----------|------------------------------------------------------------------|------|
| 1    | 13585    | OUTLET,110V GFCI***<br><i>North America</i>                                                        | 1          | 21   | 74052    | GASKET,COVER,GFCI,WEATHERPROOF.                                  | 1    |
| 1    | 35003    | RECEPTACLE, BRITISH, 110V<br><i>UK</i>                                                             | 1          | 22   | 44965    | PLAT.CONTROL BOX W/DECAL,<br>Z20<br><i>includes Index No. 23</i> | 1    |
| 2    | 10775    | T-BOX,2.75 X 4.5 X 2.0                                                                             | 1          | 23   | 42151    | GASKET,PLAT.CONTROL BOX<br>Z20                                   | 1    |
| 3    | 7056     | CONN,SQUEEZE,1/2NPT<br>.38-.50,SM                                                                  | 3          |      |          |                                                                  |      |
| 4    | 43956    | WIRE CABLE,14/3 CON.TPE<br>JKT*                                                                    | 348-inches |      |          |                                                                  |      |
| 5    | 49816    | SCREW,PHILLIPS,PHM,10-32 X<br>.75                                                                  | 6          |      |          |                                                                  |      |
| 6    | 6146     | WASHER,FLAT,MS,#10,Y                                                                               | 6          |      |          |                                                                  |      |
| 7    | 6607     | WASHER,LOCK,#10 PLTD                                                                               | 6          |      |          |                                                                  |      |
| 8    | 6178     | NUT,NYLOCK,10-32                                                                                   | 6          |      |          |                                                                  |      |
| 9    | 33609    | RELAY,HOLD DOWN,OMRON<br><i>to SN 102</i>                                                          | 6          |      |          |                                                                  |      |
| 9    | 42617    | CLIP,SPRING,POTTER<br>BRUMFIELD<br><i>from SN 103</i>                                              | 6          |      |          |                                                                  |      |
| 10   | 42616    | RELAY,POTTER BRUMFIELD 24V<br>**<br><i>from SN 103</i>                                             | 3          |      |          |                                                                  |      |
| 11   | 33608    | RELAY,SOCKET,OMRON                                                                                 | 3          |      |          |                                                                  |      |
| 12   | 12960    | CABLE SQUEEZE CONN.,XTRA<br>LRG                                                                    | 2          |      |          |                                                                  |      |
| 13   | 14041    | LOCKNUT,ELECTRIC,3/4"                                                                              | 2          |      |          |                                                                  |      |
| 14   | 35934    | WIRE CABLE,18/19<br>CON.TPRJKT                                                                     | 384-inches |      |          |                                                                  |      |
| 15   | 42587    | WIRE CABLE,18GA/7CON TPR<br>JKT                                                                    | 384-inches |      |          |                                                                  |      |
| 16   | 7057     | CONN. SQZ,1/2NPT .39-.56<br>MED                                                                    | 1          |      |          |                                                                  |      |
| 17   | 6935     | LOCKNUT,ELEC,1/2"                                                                                  | 1          |      |          |                                                                  |      |
| 18   | 42587    | WIRE CABLE,18GA/7CON TPR<br>JKT                                                                    | 132-inches |      |          |                                                                  |      |
| 19   | 56051    | WIRE<br>CABLE,16/2,WHT/BLK,SJEOW                                                                   | 84-inches  |      |          |                                                                  |      |
| 20   | 45383    | ALARM,WARBLE TONE 5-30<br>VDC***                                                                   | 1          |      |          |                                                                  |      |
| 20   | 72326    | NUT - PLASTIC,RING FOR<br>ALARMS                                                                   | 1          |      |          |                                                                  |      |
| 21   | 63375    | SCREW,FHM,6-32 X .75                                                                               | 1          |      |          |                                                                  |      |
| 21   | 74006    | COVER,GFCI,HORIZONTAL,WEATHER.<br><i>includes mounting fasteners and<br/>gasket; North America</i> | 1          |      |          |                                                                  |      |

## 406.1 Platform Controls, View 2 (Z-20/8 to SN 104)

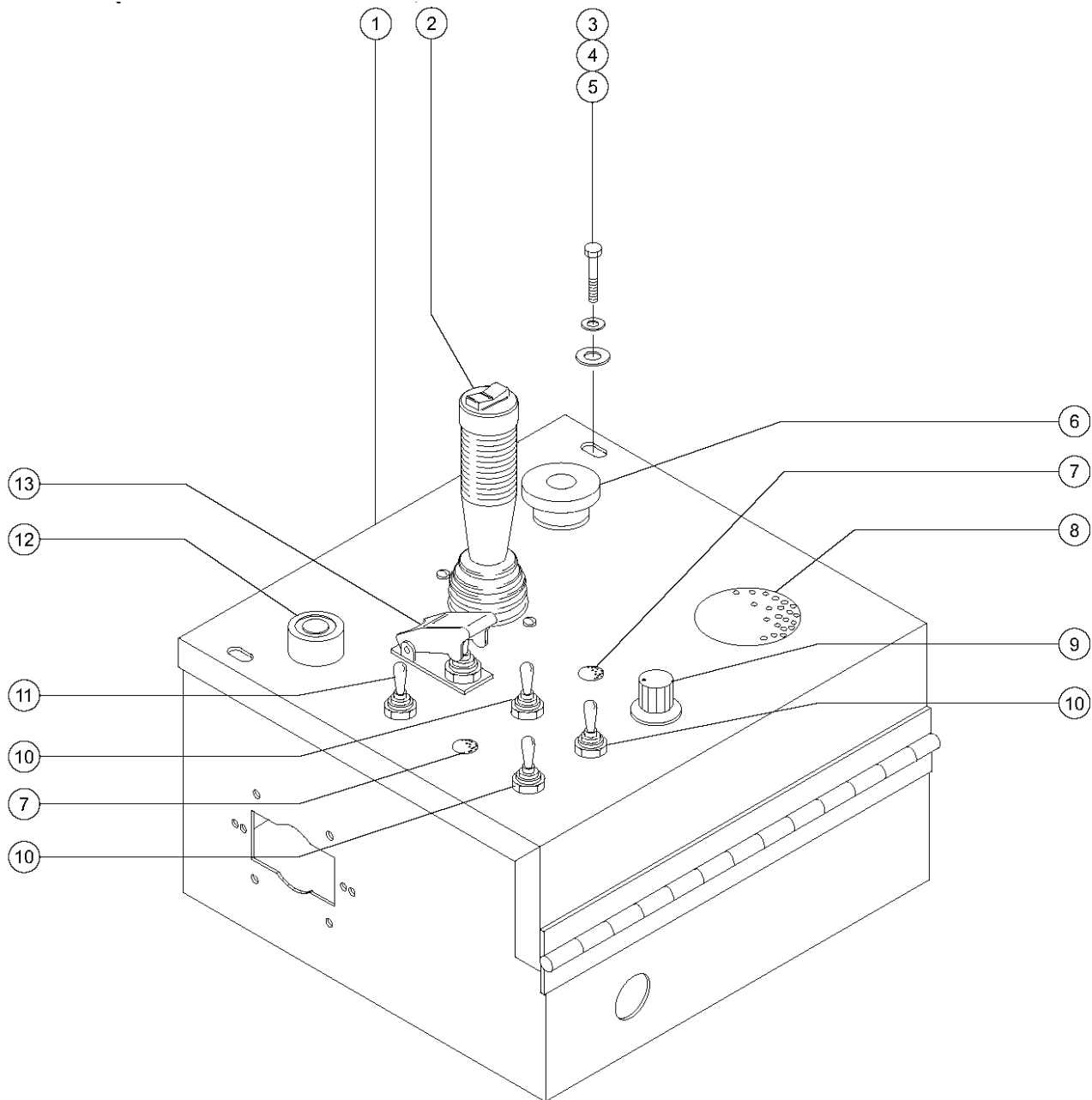




## 406.1 Platform Controls, View 2 (Z-20/8 to SN 104)

| Item | Part No. | Description                                    | Qty. | Item | Part No. | Description                        | Qty. |
|------|----------|------------------------------------------------|------|------|----------|------------------------------------|------|
| 1    |          | (decals are listed in Section 100).....        | 1    | 13   | 27246    | BOOT,TOGGLE SWITCH,SHORT*.....     | 1    |
| 1    | 42151    | GASKET,PLAT.CONTROL BOX Z20                    |      | 13   | 42730-S  | SWITCH,TOGGLE SPDT,2POS MOMEN..... | 1    |
| 1    | 44965    | PLAT.CONTROL BOX W/DECAL, Z20                  |      |      |          | <i>includes mounting fasteners</i> |      |
| 2    | 36867    | JOYSTICK,CONTROLLER 24V.....                   | 1    |      |          |                                    |      |
| 3    | 6090     | SCREW,HHC,1/4-20 X .75.....                    | 2    |      |          |                                    |      |
| 4    | 6356     | WASHER,LOCK,.25.....                           | 2    |      |          |                                    |      |
| 5    | 6638     | WASHER,FLAT,USS,1/4"Y.....                     | 2    |      |          |                                    |      |
| 6    | 122514   | KIT,ESTOP SVC BB&SM BOOM.....                  | 1    |      |          |                                    |      |
| 6    | 66818    | CONTACT,NC.....                                | 2    |      |          |                                    |      |
| 6    | 66821    | BASE,WITHOUT CONTACTS.....                     | 1    |      |          |                                    |      |
| 7    | 45384    | PLUG,NYLON .50 BLACK DOMED.....                | 2    |      |          |                                    |      |
| 8    | 13097    | FUSE,10 AMP.....                               | 1    |      |          |                                    |      |
| 8    | 19506    | HOUR METER,10-80 VOLTS***.....                 | 1    |      |          |                                    |      |
|      |          | <i>includes fuse and fuse holder</i>           |      |      |          |                                    |      |
| 8    | 23083-S  | FUSE HOLDER,WATERPROOF.....                    | 1    |      |          |                                    |      |
| 8    | 237145   | IND,BAT CHARGE,48V LEAD-ACID.....              | 1    |      |          |                                    |      |
|      |          | <i>includes mounting bracket and fasteners</i> |      |      |          |                                    |      |
| 8    | 45840    | PLUG,NYLON 2.00 BLACK DOMED.....               | 1    |      |          |                                    |      |
| 9    | 42427    | POTENTIOMETER ASSEMBLY, 0-20K*.....            | 1    |      |          |                                    |      |
| 9    | 44992    | KNOB,POTENTIOMETER, 42427....                  | 1    |      |          |                                    |      |
| 9    | 94428    | WELDMENT,COVER SUPPORT RH***.....              | 1    |      |          |                                    |      |
| 10   | 128202   | SWITCH TOGGLE ASSY DPDT 3P MOM.....            | 3    |      |          |                                    |      |
|      |          | <i>includes mounting fasteners</i>             |      |      |          |                                    |      |
| 10   | 27246    | BOOT,TOGGLE SWITCH,SHORT*.....                 | 3    |      |          |                                    |      |
| 11   | 128201   | SWITCH TOGGLE ASSY DPDT 2P MOM.....            | 1    |      |          |                                    |      |
|      |          | <i>includes mounting fasteners</i>             |      |      |          |                                    |      |
| 11   | 27246    | BOOT,TOGGLE SWITCH,SHORT*.....                 | 1    |      |          |                                    |      |
| 12   | 122514   | KIT,ESTOP SVC BB&SM BOOM.....                  | 1    |      |          |                                    |      |
| 12   | 66818    | CONTACT,NC.....                                | 2    |      |          |                                    |      |
| 12   | 66821    | BASE,WITHOUT CONTACTS.....                     | 1    |      |          |                                    |      |
|      |          | <i>includes 2 N.C. contacts</i>                |      |      |          |                                    |      |
| 13   | 13471    | COVER, AUXILIARY POWER SWITCH.....             | 1    |      |          |                                    |      |

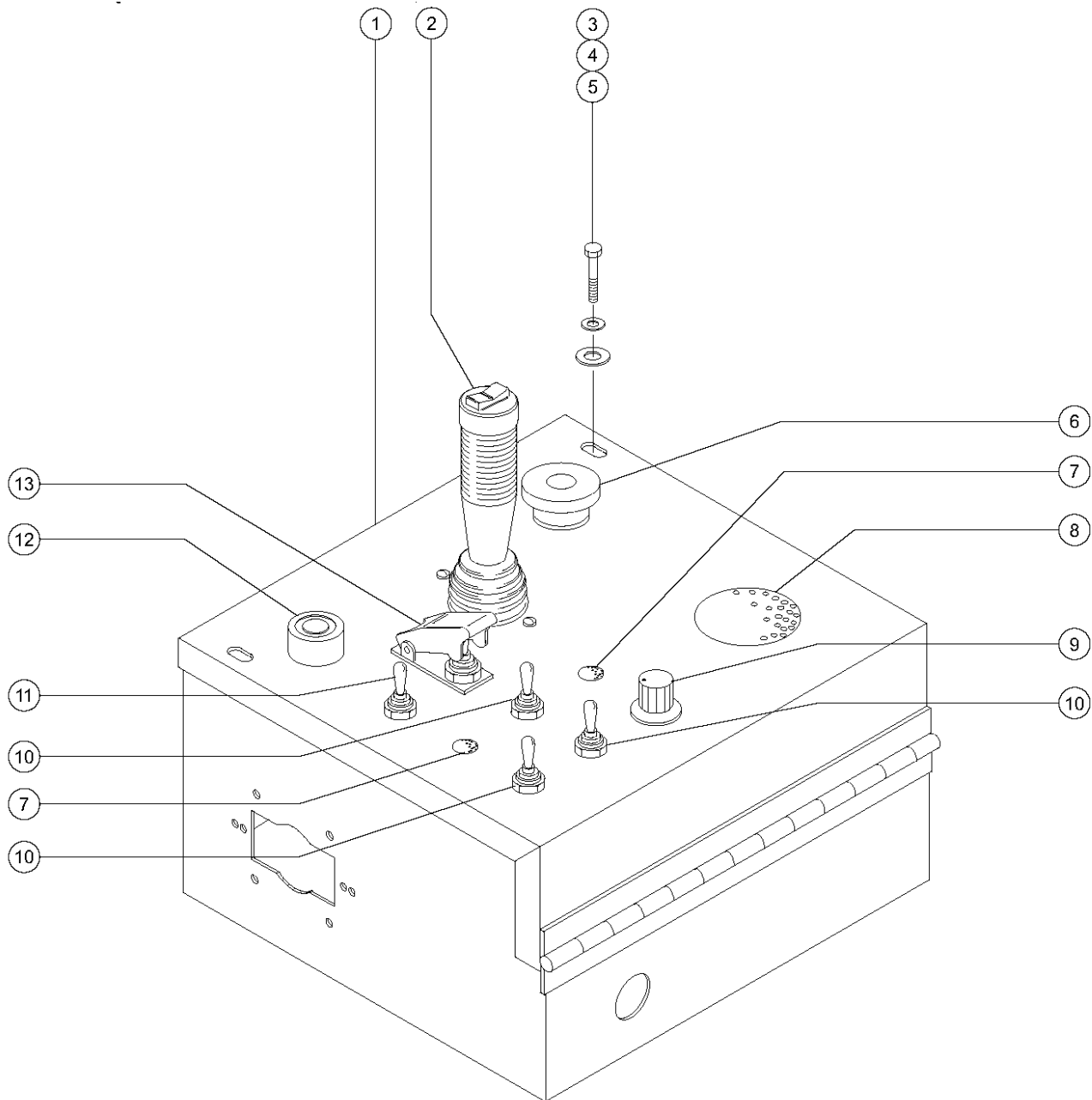
## 406.1 Platform Controls, View 2 (Z-20/8N to SN 1158)



## 406.1 Platform Controls, View 2 (Z-20/8N to SN 1158)

| Item | Part No. | Description                                    | Qty. | Item | Part No. | Description                        | Qty. |
|------|----------|------------------------------------------------|------|------|----------|------------------------------------|------|
| 1    |          | (decals are listed in Section 100).....        | 1    | 13   | 27246    | BOOT,TOGGLE SWITCH,SHORT*.....     | 1    |
| 1    | 42151    | GASKET,PLAT.CONTROL BOX Z20                    |      | 13   | 42730-S  | SWITCH,TOGGLE SPDT,2POS MOMEN..... | 1    |
| 1    | 44965    | PLAT.CONTROL BOX W/DECAL, Z20                  |      |      |          | <i>includes mounting fasteners</i> |      |
| 2    | 36867    | JOYSTICK,CONTROLLER 24V.....                   | 1    |      |          |                                    |      |
| 3    | 6090     | SCREW,HHC,1/4-20 X .75.....                    | 2    |      |          |                                    |      |
| 4    | 6356     | WASHER,LOCK,.25.....                           | 2    |      |          |                                    |      |
| 5    | 6638     | WASHER,FLAT,USS,1/4"Y.....                     | 2    |      |          |                                    |      |
| 6    | 122514   | KIT,ESTOP SVC BB&SM BOOM.....                  | 1    |      |          |                                    |      |
| 6    | 66818    | CONTACT,NC.....                                | 1    |      |          |                                    |      |
| 6    | 66821    | BASE,WITHOUT CONTACTS.....                     | 1    |      |          |                                    |      |
| 7    | 45384    | PLUG,NYLON .50 BLACK DOMED.....                | 2    |      |          |                                    |      |
| 8    | 13097    | FUSE,10 AMP.....                               | 1    |      |          |                                    |      |
| 8    | 19506    | HOUR METER,10-80 VOLTS***.....                 | 1    |      |          |                                    |      |
|      |          | <i>includes fuse and fuse holder</i>           |      |      |          |                                    |      |
| 8    | 23083-S  | FUSE HOLDER,WATERPROOF.....                    | 1    |      |          |                                    |      |
| 8    | 237145   | IND,BAT CHARGE,48V LEAD-ACID.....              | 1    |      |          |                                    |      |
|      |          | <i>includes mounting bracket and fasteners</i> |      |      |          |                                    |      |
| 8    | 45840    | PLUG,NYLON 2.00 BLACK DOMED.....               | 1    |      |          |                                    |      |
| 9    | 42427    | POTENTIOMETER ASSEMBLY, 0-20K*.....            | 1    |      |          |                                    |      |
| 9    | 44992    | KNOB,POTENTIOMETER, 42427....                  | 1    |      |          |                                    |      |
| 9    | 94428    | WELDMENT,COVER SUPPORT RH***.....              | 1    |      |          |                                    |      |
| 10   | 16397-S  | SWITCH,TOGGLE,DPDT,3POS MOMEN.....             | 3    |      |          |                                    |      |
|      |          | <i>includes mounting fasteners</i>             |      |      |          |                                    |      |
| 10   | 27246    | BOOT,TOGGLE SWITCH,SHORT*.....                 | 3    |      |          |                                    |      |
| 11   | 13480-S  | SWITCH,TOGGLE,DPDT,2POS MOMEN.....             | 1    |      |          |                                    |      |
|      |          | <i>includes mounting fasteners</i>             |      |      |          |                                    |      |
| 11   | 27246    | BOOT,TOGGLE SWITCH,SHORT*.....                 | 1    |      |          |                                    |      |
| 12   | 122513   | KIT,HORN SVC BB&SM BOOM.....                   | 1    |      |          |                                    |      |
| 12   | 66813    | BUTTON,PUSH,BLACK W/SEAL***.....               | 1    |      |          |                                    |      |
| 12   | 66815    | BASE, W/1 N.O. CONTACTS***.....                | 1    |      |          |                                    |      |
| 13   | 13471    | COVER, AUXILIARY POWER SWITCH.....             | 1    |      |          |                                    |      |

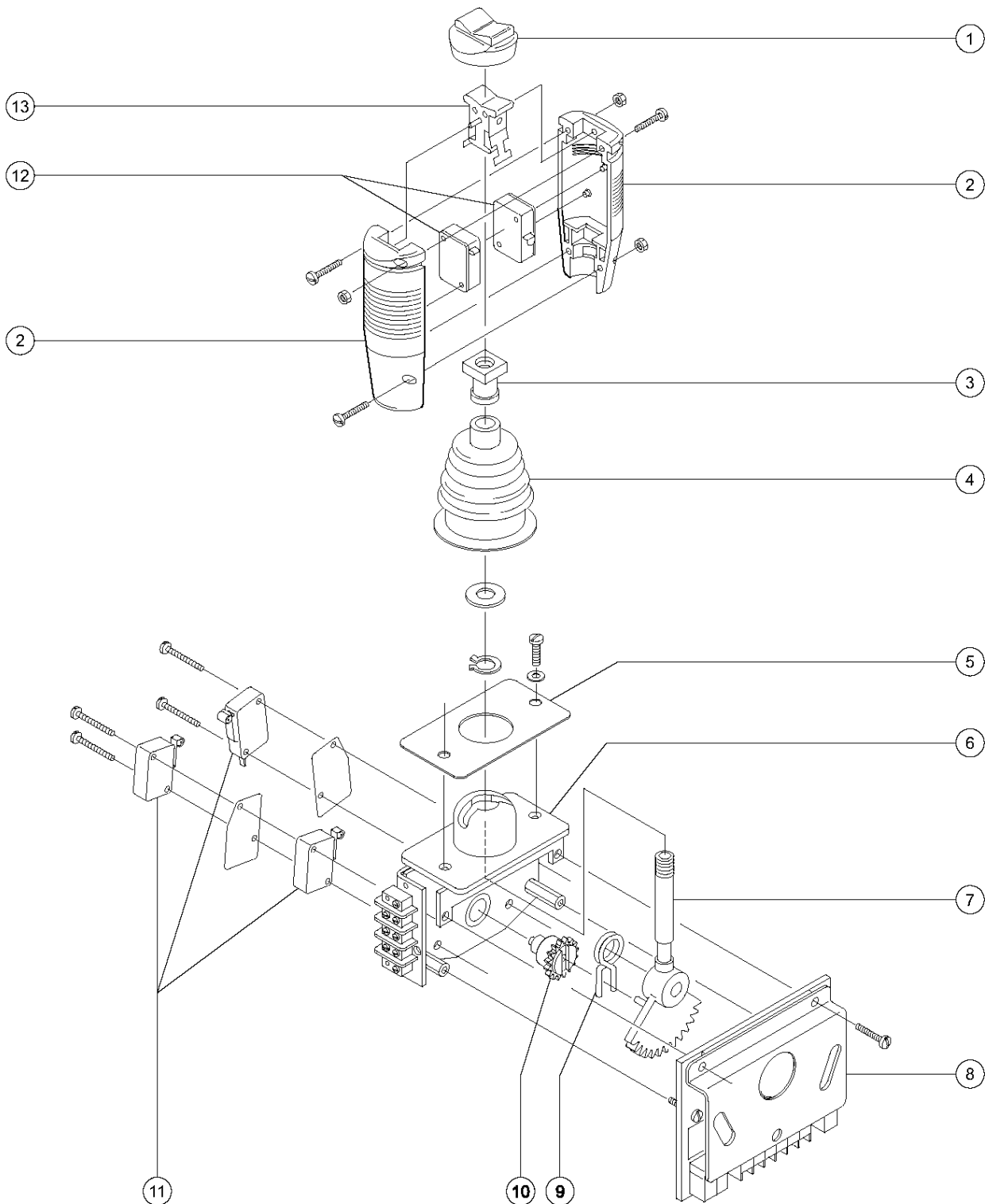
## 406.1 Platform Controls, View 2 (Z-25/8 to SN 169)



## 406.1 Platform Controls, View 2 (Z-25/8 to SN 169)

| Item | Part No. | Description                                        | Qty. | Item | Part No. | Description                           | Qty. |
|------|----------|----------------------------------------------------|------|------|----------|---------------------------------------|------|
| 1    |          | (decals are listed in Section 100).....            | 1    | 13   | 42730-S  | SWITCH,TOGGLE SPDT,2POS<br>MOMEN..... | 1    |
| 1    | 42151    | GASKET,PLAT.CONTROL BOX Z20                        |      |      |          | <i>includes mounting fasteners</i>    |      |
| 1    | 44965    | PLAT.CONTROL BOX W/DECAL, Z20                      |      |      |          |                                       |      |
| 2    | 36867    | JOYSTICK,CONTROLLER 24V.....                       | 1    |      |          |                                       |      |
| 3    | 6090     | SCREW,HHC,1/4-20 X .75.....                        | 2    |      |          |                                       |      |
| 4    | 6356     | WASHER,LOCK,.25.....                               | 2    |      |          |                                       |      |
| 5    | 6638     | WASHER,FLAT,USS,1/4"Y.....                         | 2    |      |          |                                       |      |
| 6    | 122514   | KIT,ESTOP SVC BB&SM BOOM.....                      | 1    |      |          |                                       |      |
| 6    | 66818    | CONTACT,NC.....                                    | 2    |      |          |                                       |      |
| 6    | 66821    | BASE,WITHOUT CONTACTS.....                         | 1    |      |          |                                       |      |
| 7    | 45384    | PLUG,NYLON .50 BLACK<br>DOMED.....                 | 2    |      |          |                                       |      |
| 8    | 13097    | FUSE,10 AMP.....                                   | 1    |      |          |                                       |      |
| 8    | 19506    | HOUR METER,10-80 VOLTS***.....                     | 1    |      |          |                                       |      |
|      |          | <i>includes fuse and fuse holder</i>               |      |      |          |                                       |      |
| 8    | 23083-S  | FUSE HOLDER,WATERPROOF.....                        | 1    |      |          |                                       |      |
| 8    | 237145   | IND,BAT CHARGE,48V<br>LEAD-ACID.....               | 1    |      |          |                                       |      |
|      |          | <i>includes mounting bracket and<br/>fasteners</i> |      |      |          |                                       |      |
| 8    | 45840    | PLUG,NYLON 2.00 BLACK<br>DOMED.....                | 1    |      |          |                                       |      |
| 9    | 42427    | POTENTIOMETER ASSEMBLY,<br>0-20K*.....             | 1    |      |          |                                       |      |
| 9    | 44992    | KNOB,POTENTIOMETER, 42427....                      | 1    |      |          |                                       |      |
| 9    | 94428    | WELDMENT,COVER SUPPORT<br>RH***.....               | 1    |      |          |                                       |      |
| 10   | 16397-S  | SWITCH,TOGGLE,DPDT,3POS<br>MOMEN.....              | 3    |      |          |                                       |      |
|      |          | <i>includes mounting fasteners</i>                 |      |      |          |                                       |      |
| 10   | 27246    | BOOT,TOGGLE<br>SWITCH,SHORT*.....                  | 3    |      |          |                                       |      |
| 11   | 13480-S  | SWITCH,TOGGLE,DPDT,2POS<br>MOMEN.....              | 1    |      |          |                                       |      |
| 11   | 27246    | BOOT,TOGGLE<br>SWITCH,SHORT*.....                  | 1    |      |          |                                       |      |
| 12   | 122513   | KIT,HORN SVC BB&SM BOOM.....                       | 1    |      |          |                                       |      |
| 12   | 66813    | BUTTON,PUSH,BLACK<br>W/SEAL ***.....               | 1    |      |          |                                       |      |
| 12   | 66815    | BASE, W/1 N.O. CONTACTS***.....                    | 1    |      |          |                                       |      |
| 13   | 13471    | COVER, AUXILIARY POWER<br>SWITCH.....              | 1    |      |          |                                       |      |
| 13   | 27246    | BOOT,TOGGLE<br>SWITCH,SHORT*.....                  | 1    |      |          |                                       |      |

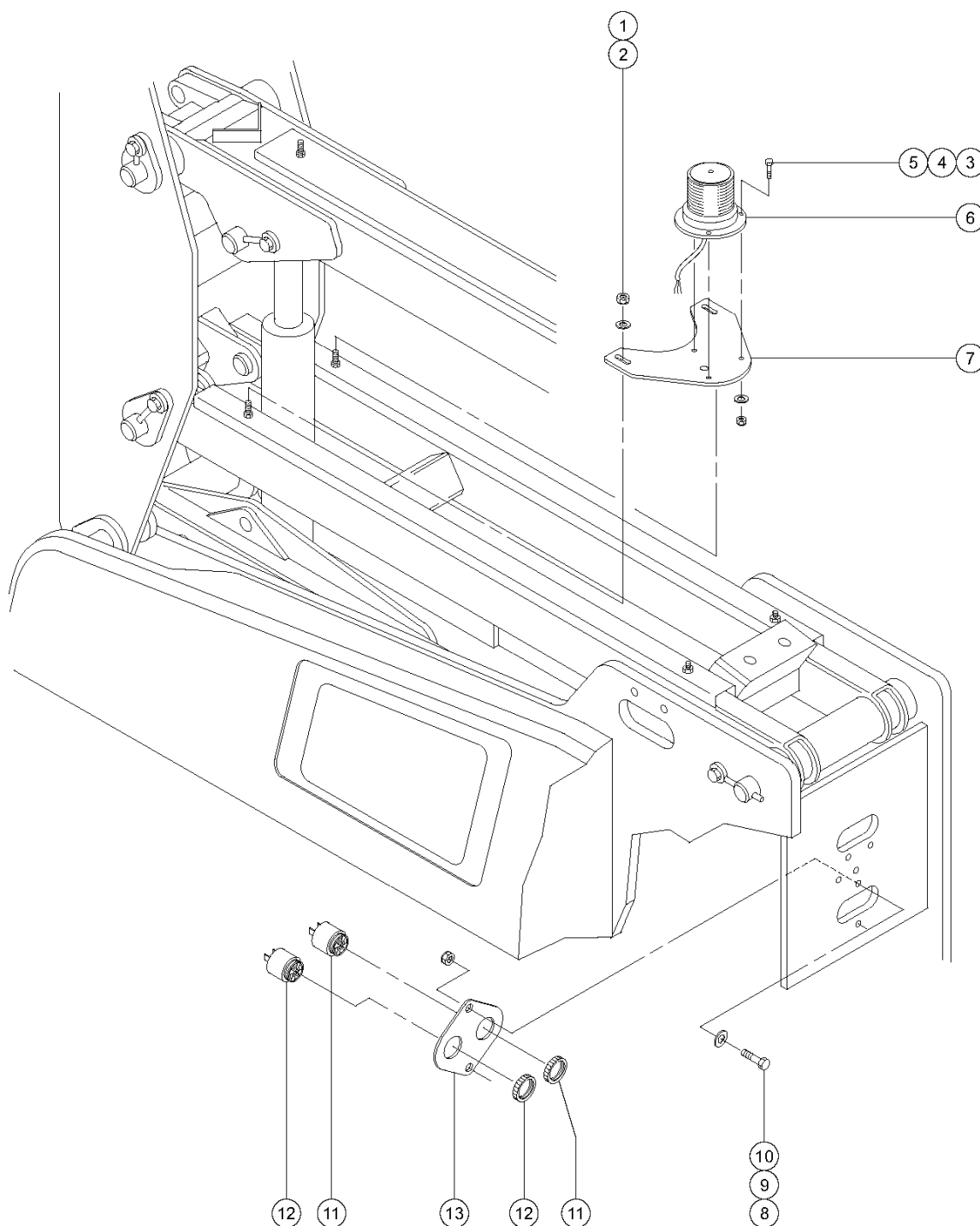
## 407.1 Joystick Controller, Drive/Steer Functions



## 407.1 Joystick Controller, Drive/Steer Functions

| Item | Part No. | Description                                                     | Qty. |
|------|----------|-----------------------------------------------------------------|------|
| --   | 36867    | JOYSTICK,CONTROLLER 24V<br><i>includes mounting fasteners</i>   |      |
| --   | 74586    | RESISTOR , 12K OHM 2 WATT                                       |      |
| 1    | 43038    | BOOT-THUMB ROCKER**<br>BLACK.....                               | 1    |
| 2    | 52887    | HANDLE HALF (56274).....                                        | 2    |
| 3    | 43040    | NUT,JS,36867/42032/44988/40612.                                 | 1    |
| 4    | 21427    | BOOT,CONTROLLER**.....                                          | 1    |
| 5    | 43042    | GASKET,JOYSTK.SHAFT36867/42032.                                 | 1    |
| 6    | 19720    | CASTING,45049, 40612.....                                       | 1    |
| 7    | 46227    | SHAFT ASSY, JOYSTICK***.....                                    | 1    |
| 8    | 44982    | PCB,ASSY,JOYSTICK,36867.....                                    | 1    |
| 9    | 21434    | SPRING & BUSHING<br>KIT,RETURN***.....                          | 1    |
| 10   | 19731    | GEAR, SLAVE, MS4,45048.....                                     | 1    |
| 11   | 19712    | MICROSWITCH,V3L-139-D8.....                                     | 3    |
| 12   | 19722    | MICROSWITCH-V319M.....                                          | 2    |
| 13   |          | ROCKER ASSEMBLY,45049.....<br><i>(Part No Longer Available)</i> | 1    |

## 501.1 Alarm and Beacon Package



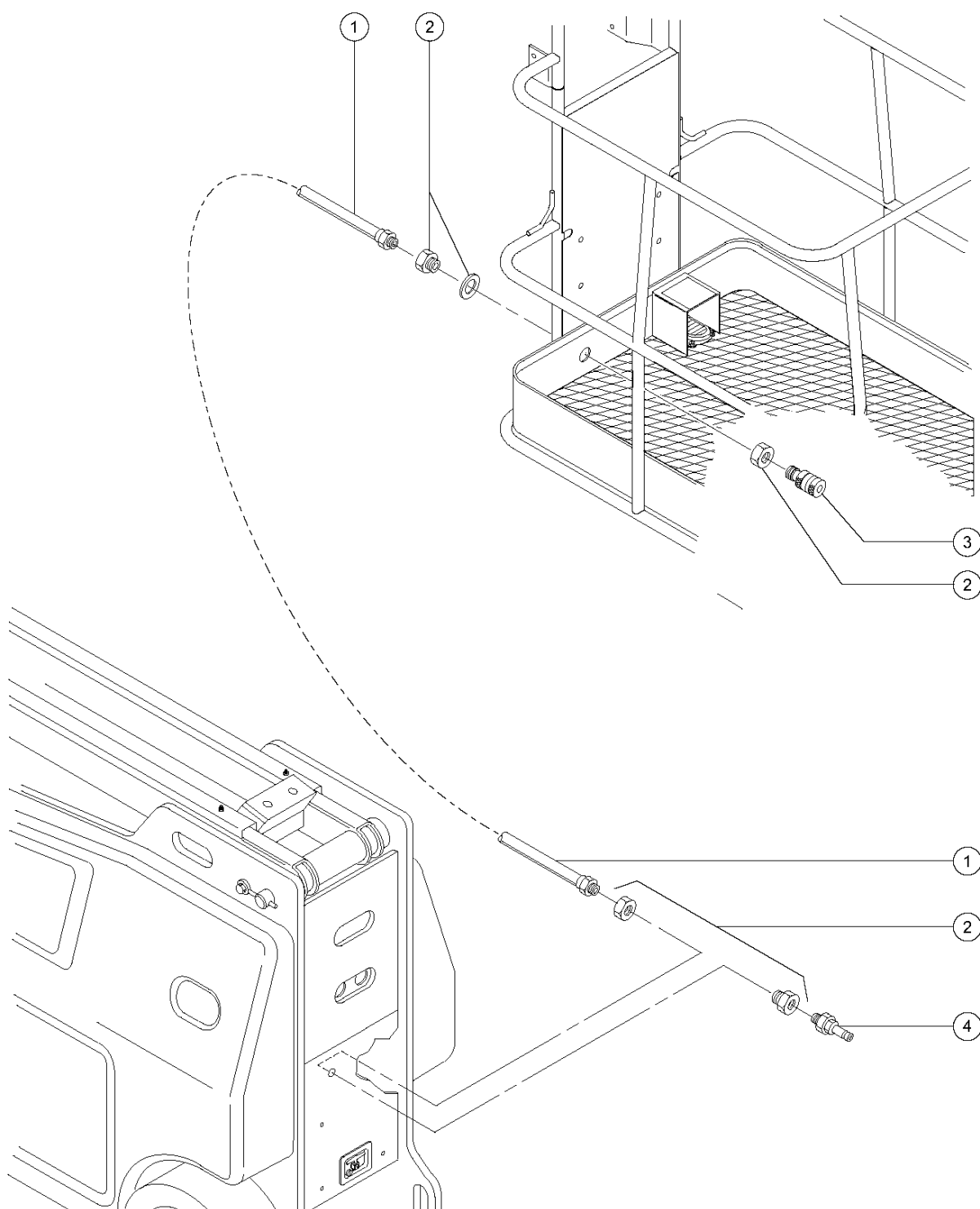


## 501.1 Alarm and Beacon Package

| Item | Part No. | Description                                                | Qty. |
|------|----------|------------------------------------------------------------|------|
| --   | 36915    | OPTION Z20 ALARM PACKAGE                                   |      |
| 1    | 6091     | NUT,NYLOCK,1/4-20.....                                     | 2    |
| 2    | 6638     | WASHER,FLAT,USS,1/4"Y.....                                 | 2    |
| 3    | 6606     | SCREW,RHM,10-32 X .75.....                                 | 3    |
| 4    | 6146     | WASHER,FLAT,MS,#10,Y.....                                  | 3    |
| 5    | 6178     | NUT,NYLOCK,10-32.....                                      | 3    |
| 6    | 56704    | STROBE,FIREBOLT,12-80VDC,AMB**.<br><i>(replaced 20189)</i> | 1    |
| --   | 122019   | FLASHTUBE,U<br>SHAPED,360DEG,BULB                          |      |
| --   | 226393   | FLASHTUBE,STRAIGHT,360DEG,BULB                             |      |
| --   | 72282    | LENS,AMBER,STROBE,FIREBOLT.                                | 1    |
| 7    | 42174    | PLATE,BEACON MOUNT**.....                                  | 1    |
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**Footnotes****1:** These parts obsolete after December 1997

## 502.1 Airline to Platform



## 502.1 Airline to Platform

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## Fitting Cross References

| Genie PN | Parker PN       | Description                             | Genie PN | Parker PN     | Description                             |
|----------|-----------------|-----------------------------------------|----------|---------------|-----------------------------------------|
| 12342    | 6-4 F5OX-S      | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE | 42794    | 1 CR-S        | ELBOW,90°,MALE PIPE                     |
| 13757    | 4 R6X-S         | RUN TEE,SWIVEL NUT,ORFS                 | 42795    | BV-0839       | BALL VALVE                              |
| 19685    | 12-10 C5OX-S    | ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE | 42796    | BV-0838       | BALL VALVE                              |
| 22664    | 12-10 C5OX      | ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE | 42874    | 6-8 CLO-S     | ELBOW,90°,MALE PIPE TO ORFS             |
| 27431    | 8-12 F5OX-S     | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE | 42912    | 13943-6-4     | HOSE END,90° FEMALE SWIVEL,JIC          |
| 28678    | AS-B-33         | SLEEVE,NYLON,1.81" ID                   | 42920    | BV-0840       | BALL VALVE,90°                          |
| 39871    | 6 WETX-WLN-S    | UNION,90° BULKHEAD W/NUT,FLARE TUBE     | 42932    | AS-B-17       | SLEEVE,NYLON,1.22" ID                   |
| 39872    | 4 R5OX-S        | RUN TEE,STRAIGHT THREAD                 | 42936    | 10243-2-4     | HOSE END,FEMALE PIPE                    |
| 39873    | 6 C5OX-S        | ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE | 42953    | 1/2 DD-S      | ELBOW,90°,FEMALE PIPE                   |
| 39874    | 8-6 C5OX-S      | ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE | 42956    | 6 WELO-WLNL-S | UNION,90° BULKHEAD W/NUT,ORFS           |
| 39875    | 4-6 C5OX-S      | ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE | 45349    | 8 V5OX-S      | ELBOW,45°,STRAIGHT THREAD TO FLARE TUBE |
| 39876    | 6-8 C5OX-S      | ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE | 45351    | 4 V5OX-S      | ELBOW,45°,STRAIGHT THREAD TO FLARE TUBE |
| 39877    | 4 F5OX-S        | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE | 47223    | 10343-6-6     | HOSE END,MALE,JIC                       |
| 39878    | 6 F5OX-S        | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE | 47419    | PS690503-6-6  | SWIVEL,90°,STRAIGHT THREAD TO 37° FLARE |
| 39879    | 4-8 F5OX-S      | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE | 48750    | 421-4         | HOSE,1/4 INCH ID                        |
| 39880    | 6-10 F5OX-S     | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE | 48751    | 481TC-4       | HOSE,1/4 INCH ID                        |
| 39881    | 4-6 F5OX-S      | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE | 48752    | 482TC-4       | HOSE,1/4 INCH ID                        |
| 39882    | 4-HP5ON-S       | PLUG,STRAIGHT THREAD                    | 48753    | 451TC-6       | HOSE,3/8 INCH ID                        |
| 39883    | 8-8 FTX-S       | CONNECTOR,MALE PIPE TO FLARE TUBE       | 48754    | 482TC-6       | HOSE,3/8 INCH ID                        |
| 39885    | 269HB 12-12     | ELBOW,90°,BEADED HOSE BARB TO MALE PIPE | 48755    | 381-6         | HOSE,3/8 INCH ID                        |
| 39886    | 431-6           | HOSE,3/8 INCH ID                        | 48756    | 451TC-8       | HOSE,1/2 INCH ID                        |
| 39887    | 540N-2          | HOSE,1/8 INCH ID                        | 48757    | 482TC-8       | HOSE,1/2 INCH ID                        |
| 39888    | 801-8           | HOSE,1/2 INCH ID                        | 48758    | 381-8         | HOSE,1/2 INCH ID                        |
| 39889    | 801-12          | HOSE,3/4 INCH ID                        | 48759    | 381-10        | HOSE,5/8 INCH ID                        |
| 39890    | 10643-6-6       | HOSE END,FEMALE SWIVEL,JIC              | 48760    | 451TC-10      | HOSE,5/8 INCH ID                        |
| 39891    | 13943-6-6       | HOSE END,90° FEMALE SWIVEL,JIC          | 48761    | 482TC-12      | HOSE,3/4 INCH ID                        |
| 39892    | 13743-6-6       | HOSE END,45° FEMALE SWIVEL,JIC          | 48762    | 451TC-12      | HOSE,3/4 INCH ID                        |
| 39894    | 30682-8-8       | HOSE END,FEMALE SWIVEL,JIC              | 48763    | 772-12        | HOSE,3/4 INCH ID                        |
| 39895    | 30682-10-12     | HOSE END,FEMALE SWIVEL,JIC              | 48764    | 881-16        | HOSE,1 INCH ID                          |
| 42286    | 8-8 CTX-S       | ELBOW,90°,MALE PIPE TO FLARE TUBE       | 48765    | 772-16        | HOSE,1 INCH ID                          |
| 42756    | 8-12 CLO-S      | ELBOW,90,MALE PIPE TO ORFS              | 48766    | AS-B-15       | SLEEVE,NYLON,1.06" ID                   |
| 42757    | 8-12 FLO-S      | CONNECTOR,MALE PIPE TO ORFS             | 48767    | AS-B-22       | SLEEVE,NYLON,1.42" ID                   |
| 42758    | 4 JLO-S         | UNION TEE,ORFS                          | 48770    | 881-8         | HOSE,1/2 INCH ID                        |
| 42759    | 4-4 FLO-S       | CONNECTOR,MALE PIPE TO ORFS             |          |               |                                         |
| 42760    | 6-8 FLO-S       | CONNECTOR,MALE PIPE TO ORFS             |          |               |                                         |
| 42761    | 1J143-6-4       | HOSE END,90° FEMALE SWIVEL,SEAL LOK     |          |               |                                         |
| 42762    | 1J743-6-4       | HOSE END,45° FEMALE SWIVEL,SEAL LOK     |          |               |                                         |
| 42768    | 1JO43-4-4       | HOSE END,MALE,SEAL LOK                  |          |               |                                         |
| 42776    | 601-8           | HOSE,1/2 INCH ID                        |          |               |                                         |
| 42777    | 1J743-16-16     | HOSE END,45° FEMALE SWIVEL,SEAL LOK     |          |               |                                         |
| 42786    | 16 CLO-S        | ELBOW,90°,MALE PIPE TO ORFS             |          |               |                                         |
| 42787    | 16 R6LO-S       | RUN TEE,SWIVEL NUT,ORFS                 |          |               |                                         |
| 42788    | 16-8 TRLO-BL-S  | REDUCER,TUBE END TO SWIVEL,ORFS         |          |               |                                         |
| 42789    | 6-6 CLO-S       | ELBOW,90°,MALE PIPE TO ORFS             |          |               |                                         |
| 42790    | 8-10 V5OLO-S    | ELBOW,45°,STRAIGHT THREAD TO ORFS       |          |               |                                         |
| 42791    | 3/4 CD-S        | ELBOW,90°,MALE TO FEMALE PIPE           |          |               |                                         |
| 42792    | 3/4 X 1/2 PTR-S | REDUCER,MALE TO FEMALE PIPE             |          |               |                                         |
| 42793    | 1/2 CR-S        | ELBOW,90°,MALE PIPE                     |          |               |                                         |

## Fitting Cross References (Continued)

| Genie PN | Parker PN   | Description                           |
|----------|-------------|---------------------------------------|
| 48771    | 881-10      | HOSE, 5/8 INCH ID                     |
| 48772    | 381-4       | HOSE, 1/4 INCH ID                     |
| 48773    | AS-B-13     | SLEEVE, NYLON, .86" ID                |
| 48800    | 1JC43-4-4   | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48801    | 1J743-4-4   | HOSE END, 45° FEMALE SWIVEL, SEAL LOK |
| 48802    | 1J943-4-4   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48804    | 1JM43-4-4   | HOSE END, MALE, SEAL LOK, NO O-RING   |
| 48805    | 10643-4-4   | HOSE END, FEMALE SWIVEL, JIC          |
| 48806    | 13943-4-4   | HOSE END, 90° FEMALE SWIVEL, JIC      |
| 48807    | 1JS43-4-4   | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48808    | 3JC82-8-8   | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48809    | 3JC82-12-12 | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48810    | 1JC43-6-4   | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48811    | 1J943-6-4   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48812    | 1JC43-6-6   | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48813    | 1J143-6-6   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48814    | 1J543-6-6   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48815    | 1J743-6-6   | HOSE END, 45° FEMALE SWIVEL, SEAL LOK |
| 48816    | 1J943-6-6   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48817    | 1JS43-6-8   | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48818    | 1J943-8-4   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48819    | 1JC43-8-6   | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48820    | 1J743-8-6   | HOSE END, 45° FEMALE SWIVEL, SEAL LOK |
| 48821    | 1J943-8-6   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48822    | 1JC43-8-8   | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48823    | 1JS43-8-8   | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48824    | 1J143-8-8   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48825    | 1J543-8-8   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48826    | 1J743-8-8   | HOSE END, 45° FEMALE SWIVEL, SEAL LOK |
| 48827    | 1J943-8-8   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48828    | 1JC43-10-8  | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48829    | 1JS43-10-8  | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48830    | 1J743-10-8  | HOSE END, 45° FEMALE SWIVEL, SEAL LOK |
| 48831    | 1J943-10-8  | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48833    | 1JC43-10-10 | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48834    | 1J943-10-10 | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48835    | 1JS43-10-12 | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48836    | 1JC43-12-8  | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48837    | 1JS43-12-8  | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48838    | 1J743-12-8  | HOSE END, 45° FEMALE SWIVEL, SEAL LOK |
| 48839    | 1J943-12-8  | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48840    | 1J943-12-10 | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48841    | 1JC43-12-12 | HOSE END, FEMALE SWIVEL, SEAL LOK     |
| 48842    | 1JO43-12-12 | HOSE END, MALE, SEAL LOK              |
| 48843    | 1J143-12-12 | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48844    | 1J543-12-12 | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |
| 48845    | 1J743-12-12 | HOSE END, 45° FEMALE SWIVEL, SEAL LOK |
| 48846    | 1J943-12-12 | HOSE END, 90° FEMALE SWIVEL, SEAL LOK |

| Genie PN | Parker PN      | Description                                    |
|----------|----------------|------------------------------------------------|
| 48847    | 13943-12-12    | HOSE END, 90° FEMALE SWIVEL, JIC               |
| 48848    | 10543-12-12    | HOSE END, MALE, STRAIGHT THREAD                |
| 48849    | 1JC71-12-12    | HOSE END, FEMALE SWIVEL, SEAL LOK              |
| 48850    | 1JS71-12-12    | HOSE END, FEMALE SWIVEL, SEAL LOK              |
| 48851    | 1J171-12-12    | HOSE END, 90° FEMALE SWIVEL, SEAL LOK          |
| 48852    | 1J771-12-12    | HOSE END, 45° FEMALE SWIVEL, SEAL LOK          |
| 48853    | 1J971-12-12    | HOSE END, 90° FEMALE SWIVEL, SEAL LOK          |
| 48854    | 1JC43-16-16    | HOSE END, FEMALE SWIVEL, SEAL LOK              |
| 48855    | 1J943-16-16    | HOSE END, 90° FEMALE SWIVEL, SEAL LOK          |
| 48856    | 1J171-16-16    | HOSE END, 90° FEMALE SWIVEL, SEAL LOK          |
| 48857    | 1J971-16-16    | HOSE END, 90° FEMALE SWIVEL, SEAL LOK          |
| 48859    | 1JS43-8-4      | HOSE END, FEMALE SWIVEL, SEAL LOK              |
| 48867    | PD36BTL        | DIAGNOSTIC NIPPLE, SEAL-LOK SWIVEL             |
| 48873    | 6 PNLO-S       | PLUG, TUBE END, ORFS                           |
| 48874    | 6 PNTX-S       | PLUG, FLARE TUBE                               |
| 48875    | 6 R6LO-S       | RUN TEE, SWIVEL NUT, ORFS                      |
| 48877    | 4 F5OLO-SW.025 | CONNECTOR, STRAIGHT THREAD TO ORFS, W/.025 ORI |
| 48878    | 16-12 C5OLO-S  | ELBOW, 90°, STRAIGHT THREAD TO ORFS            |
| 48879    | 8 C6LO-S       | ELBOW, 90°, SWIVEL NUT ORFS                    |
| 48880    | PD6-285        | CAP, DIAGNOSTIC NIPPLE                         |
| 48881    | 6 HLO-S        | UNION, ORFS                                    |
| 48883    | 8 P5ON-S       | PLUG, STRAIGHT THREAD                          |
| 48884    | 8M18F87OMLO-S  | CONNECTOR, METRIC, STRAIGHT THREAD TO ORFS     |
| 48885    | 4 WGTX-WLN-S   | CONNECTOR, BULKHEAD, FEMALE PIPE TO FLARE TUBE |
| 48886    | 4 F5OLO-SW/2MM | CONNECTOR, MACHINED STRAIGHT THREAD TO ORFS    |
| 48887    | 4 CTX-S        | ELBOW, 90°, MALE PIPE TO FLARE TUBE            |
| 48888    | 10-12 V5OLO-S  | ELBOW, 45°, STRAIGHT THREAD TO ORFS            |
| 48890    | 4 S5OLO-S      | BRANCH TEE, STRAIGHT THREAD TO ORFS            |
| 48891    | 4 S6LO-S       | BRANCH TEE, SWIVEL NUT TO ORFS                 |

## Fitting Cross References (Continued)

| Genie PN | Parker PN         | Description                                      | Genie PN | Parker PN       | Description                            |
|----------|-------------------|--------------------------------------------------|----------|-----------------|----------------------------------------|
| 48892    | 6 C6LO-S          | ELBOW,90°,SWIVEL NUT ORFS                        | 48938    | 8 R6LO-S        | RUN TEE,SWIVEL NUT,ORFS                |
| 48893    | 6 F5OHAQ-S        | UNION,STRAIGHT THREAD                            | 48939    | 8 S6LO-S        | BRANCH TEE,SWIVEL NUT TO ORFS          |
| 48894    | 8 WLO-WLNL-S      | UNION,BULKHEAD,ORFS                              | 48940    | 8 WJJLO-WLNL-S  | RUN TEE, BULKHEAD,ORFS                 |
| 48895    | DT-370-MSMO-5     | VALVE,CHECK                                      | 48941    | 8-4 TRLO-S      | REDUCER,TUBE END TO SWIVEL,ORFS        |
| 48896    | 6 JLO-S           | UNION,TEE,ORFS                                   | 48942    | 8-6 C5OLO-S     | ELBOW,90°,STRAIGHT THREAD TO ORFS      |
| 48897    | DT-750-MSMS-5     | VALVE,CHECK                                      | 48943    | 8-6 F5OLO-S     | CONNECTOR,STRAIGHT THREAD TO ORFS      |
| 48898    | DT-750-MOMS-5     | VALVE,CHECK                                      | 48944    | 8-8 FLO-S       | CONNECTOR,MALE PIPE TO ORFS            |
| 48899    | DT-620-MOMS-5     | VALVE,CHECK                                      | 48945    | 8 FTX-S         | CONNECTOR,MALE PIPE TO FLARE TUBE      |
| 48900    | 4-6 F5OLO-SW/.035 | CONNECTOR,STRAIGHT THREAD TO ORFS,<br>W/.035 ORI | 48946    | 8-10 F5OLO-S    | CONNECTOR,STRAIGHT THREAD TO ORFS      |
| 48902    | 16-1 AOE4G-S      | ELBOW,90° LONG,FEMALE PIPE TO<br>STRAIGHT THREAD | 48947    | 8-12 C5OLO-S    | ELBOW,90°,STRAIGHT THREAD TO ORFS      |
| 48903    | 1 FF-S            | NIPPLE,PIPE                                      | 48948    | 8-12 F5OLO-S    | CONNECTOR,STRAIGHT THREAD TO ORFS      |
| 48904    | 4 C5OLO-S         | ELBOW,90°,STRAIGHT THREAD TO ORFS                | 48949    | 8-16 F5OLO-S    | CONNECTOR,STRAIGHT THREAD TO ORFS      |
| 48905    | 4 F5OLO-S         | CONNECTOR,STRAIGHT THREAD TO ORFS                | 48950    | 10 C5OLO-S      | ELBOW,90°,STRAIGHT THREAD TO ORFS      |
| 48906    | 4 R5OLO-S         | RUN TEE,STRAIGHT THREAD                          | 48951    | 10 CC5OLO-S     | ELBOW,90° LONG,STRAIGHT THREAD TO ORFS |
| 48907    | 4 V5OLO-S         | ELBOW,45°,STRAIGHT THREAD TO ORFS                | 48952    | 10 F5OLO-S      | CONNECTOR,STRAIGHT THREAD TO ORFS      |
| 48908    | 4 R6LO-S          | RUN TEE,SWIVEL NUT,ORFS                          | 48953    | 10 R5OLO-S      | RUN TEE,STRAIGHT THREAD                |
| 48909    | 4 WJJLO-WLNL-S    | RUN TEE, BULKHEAD,ORFS                           | 48954    | 10 S5OLO-S      | BRANCH TEE,STRAIGHT THREAD TO ORFS     |
| 48910    | 4 GTX-S W/.030    | CONNECTOR,FEMALE PIPE TO FLARE TUBE              | 48955    | 10 R6LO-S       | RUN TEE,SWIVEL NUT,ORFS                |
| 48911    | 4-6 C5OLO-S       | ELBOW,90°,STRAIGHT THREAD TO ORFS                | 48956    | 10-4 TRLO-BL-S  | REDUCER,TUBE END TO SWIVEL,ORFS        |
| 48912    | 4-6 F5OLO-S       | CONNECTOR,STRAIGHT THREAD TO ORFS                | 48957    | 10-6 TRLO-BL-S  | REDUCER,TUBE END TO SWIVEL,ORFS        |
| 48913    | 4-6 F5OLO-SW/.030 | CONNECTOR,STRAIGHT THREAD TO ORFS,<br>W/.030 ORI | 48958    | 10-12 F5OLO-S   | CONNECTOR,STRAIGHT THREAD TO ORFS      |
| 48914    | 4-8 F5OLO-S       | CONNECTOR,STRAIGHT THREAD TO ORFS                | 48959    | 12 C5OLO-S      | ELBOW,90°,STRAIGHT THREAD TO ORFS      |
| 48915    | 6 C5OLO-S         | ELBOW,90°,STRAIGHT THREAD TO ORFS                | 48960    | 12 F5OLO-S      | CONNECTOR,STRAIGHT THREAD TO ORFS      |
| 48916    | 6 F5OLO-S         | CONNECTOR,STRAIGHT THREAD TO ORFS                | 48961    | 12 R5OLO-S      | RUN TEE,STRAIGHT THREAD                |
| 48917    | 6 FF5OLO-S        | CONNECTOR,LONG,STRAIGHT THREAD TO ORFS           | 48962    | 12 S5OLO-S      | BRANCH TEE,STRAIGHT THREAD TO ORFS     |
| 48918    | 6 R5OLO-S         | RUN TEE,STRAIGHT THREAD                          | 48963    | 12 V5OLO-S      | ELBOW,45°,STRAIGHT THREAD TO ORFS      |
| 48919    | 6 S5OLO-S         | BRANCH TEE,STRAIGHT THREAD TO ORFS               | 48964    | 12 R6LO-S       | RUN TEE,SWIVEL NUT,ORFS                |
| 48920    | 6 V5OLO-S         | ELBOW,45°,STRAIGHT THREAD TO ORFS                | 48965    | 12 CLO-S        | ELBOW,90°,MALE PIPE TO ORFS            |
| 48921    | 6 FLO-S           | CONNECTOR,MALE PIPE TO ORFS                      | 48966    | 12 FLO-S        | CONNECTOR,MALE PIPE TO ORFS            |
| 48922    | 6-6 FLO-S         | CONNECTOR,MALE PIPE TO ORFS                      | 48967    | 12 JLO-S        | UNION TEE,ORFS                         |
| 48923    | 6 P5ON-S          | PLUG,STRAIGHT THREAD                             | 48968    | 12 WLO-WLNL-S   | UNION,BULKHEAD,ORFS                    |
| 48925    | 6 WELO-S          | UNION,90° BULKHEAD,ORFS                          | 48969    | 12 WJJLO-WLNL-S | RUN TEE, BULKHEAD,ORFS                 |
| 48926    | 6-4 C5OLO-S       | ELBOW,90°,STRAIGHT THREAD TO ORFS                | 48970    | 12 WELO-WLNL-S  | UNION,90° BULKHEAD W/NUT,ORFS          |
| 48927    | 6-4 F5OLO-S       | CONNECTOR,STRAIGHT THREAD TO ORFS                |          |                 |                                        |
| 48928    | 6-4 V5OLO-S       | ELBOW,45°,STRAIGHT THREAD TO ORFS                |          |                 |                                        |
| 48929    | 6-8 C5OLO-S       | ELBOW,90°,STRAIGHT THREAD TO ORFS                |          |                 |                                        |
| 48930    | 6-8 F5OLO-S       | CONNECTOR,STRAIGHT THREAD TO ORFS                |          |                 |                                        |
| 48931    | 6-10 F5OLO-S      | CONNECTOR,STRAIGHT THREAD TO ORFS                |          |                 |                                        |
| 48932    | 8 C5OLO-S         | ELBOW,90°,STRAIGHT THREAD TO ORFS                |          |                 |                                        |
| 48933    | 8 F5OLO-S         | CONNECTOR,STRAIGHT THREAD TO ORFS                |          |                 |                                        |
| 48934    | 8 FF5OLO-S        | CONNECTOR,LONG,STRAIGHT THREAD TO ORFS           |          |                 |                                        |
| 48935    | 8 R5OLO-S         | RUN TEE,STRAIGHT THREAD                          |          |                 |                                        |
| 48936    | 8 S5OLO-S         | BRANCH TEE,STRAIGHT THREAD TO ORFS               |          |                 |                                        |
| 48937    | 8 V5OLO-S         | ELBOW,45°,STRAIGHT THREAD TO ORFS                |          |                 |                                        |

## Fitting Cross References (Continued)

| Genie PN | Parker PN     | Description                                    | Genie PN | Parker PN      | Description                            |
|----------|---------------|------------------------------------------------|----------|----------------|----------------------------------------|
| 48971    | 12 G5G5JG5-S  | TEE,FEMALE STRAIGHT THREAD                     | 49612    | PKT02586       | O-RING KIT (ORFS FITTINGS)             |
| 48972    | 12 XHL6-S     | ADAPTER, 37° MALE TO SWIVEL ORFS               | 49613    | PKT06276       | PLUG AND CAP KIT-SERVICE,ORFS          |
| 48973    | 12-1/2 F5OG-S | ADAPTER,FEMALE PIPE TO STRAIGHT THREAD         | 49728    | 10143-12-12    | HOSE END, MALE PIPE                    |
| 48974    | 12-10 C5OLO-S | ELBOW,90°,STRAIGHT THREAD TO ORFS              | 49729    | 16-1 F5OG-S    | ADAPTER,FEMALE PIPE TO STRAIGHT THREAD |
| 48975    | 12-10 F5OLO-S | CONNECTOR,STRAIGHT THREAD TO ORFS              | 49814    | 12-8 FLO-S     | CONNECTOR,MALE PIPE TO ORFS            |
| 48976    | 12-16 C5OLO-S | ELBOW,90°,STRAIGHT THREAD TO ORFS              | 49829    | DT-500-MOMF-5  | VALVE,CHECK                            |
| 48977    | 12-16 F5OLO-S | CONNECTOR,STRAIGHT THREAD TO ORFS              | 49831    | 881-12         | HOSE,3/4 INCH ID                       |
| 48978    | 12-16 V5OLO-S | ELBOW,45°,STRAIGHT THREAD TO ORFS              | 49834    | 16 JLO-S       | UNION TEE,ORFS                         |
| 48980    | 12-16 FLO-S   | CONNECTOR,MALE PIPE TO ORFS                    | 49838    | 12-8 TRLO-BL-S | REDUCER,TUBE END TO SWIVEL,ORFS        |
| 48983    | 16 C5OLO-S    | ELBOW,90°,STRAIGHT THREAD TO ORFS              | 49840    | 8 JLO-S        | UNION TEE,ORFS                         |
| 48984    | 16 F5OLO-S    | CONNECTOR,STRAIGHT THREAD TO ORFS              | 49844    | 10-8 TRLO-BL-S | REDUCER,TUBE END TO SWIVEL,ORFS        |
| 48985    | 16 V5OLO-S    | ELBOW,45°,STRAIGHT THREAD TO ORFS              | 49854    | 8 P5ON-S       | PLUG,STRAIGHT THREAD                   |
| 48986    | 16 FLO-S      | CONNECTOR,MALE PIPE TO ORFS                    | 49855    | 1JC43-16-12    | HOSE END,FEMALE SWIVEL,SEAL LOK        |
| 48988    | 16 CD45-S     | ELBOW,45°,MALE TO FEMALE PIPE                  | 49859    | 4 P5ON-S       | PLUG,STRAIGHT THREAD                   |
| 48989    | 12 CD45-S     | ELBOW,45°,MALE TO FEMALE PIPE                  | 49861    | 4 FF5OLO-S     | CONNECTOR,LONG,STRAIGHT THREAD TO ORFS |
| 48990    | 8 CD45-S      | ELBOW,45°,MALE TO FEMALE PIPE                  | 49867    | 12-3/4 F5OG-S  | ADAPTER,FEMALE PIPE TO STRAIGHT THREAD |
| 48991    | 16-12 FLO-S   | CONNECTOR,MALE PIPE TO ORFS                    | 51152    | 6 R6X-S        | RUN TEE,SWIVEL NUT,ORFS                |
| 48992    | 16-12 V5OLO-S | ELBOW,45°,STRAIGHT THREAD TO ORFS              | 51153    | 6-4 TRTX-S     | REDUCER,TUBE END TO SWIVEL,ORFS        |
| 48993    | XV501-12      | BALL VALVE                                     | 51154    | 4-4 GTX        | CONNECTOR,FEMALE PIPE TO FLARE TUBE    |
| 48994    | XV501-16      | BALL VALVE                                     | 51264    | 881-12         | HOSE,3/4 INCH ID                       |
| 48995    | XV510P-12     | BALL VALVE                                     | 51265    | 8 JLO-S        | UNION TEE,ORFS                         |
| 48996    | XV510P-16     | BALL VALVE                                     | 51508    | 6 BTX-S        | NUT,FLARE TUBE                         |
| 48997    | PD341         | DIAGNOSTIC NIPPLE, STRAIGHT THREAD             | 51580    | 12-8 TRLO-BL-S | TUBE END REDUCER,ORFS                  |
| 48998    | PD 361        | DIAGNOSTIC NIPPLE, STRAIGHT THREAD             | 51628    | 6 R6X-S        | RUN TEE,SWIVEL NUT,ORFS                |
| 48999    | DT-500-MOMS-5 | VALVE,CHECK                                    | 51735    | 3/8 HHP        | PLUG,PIPE THREAD                       |
| 49201    | 10 V5OLO-S    | ELBOW,45°,STRAIGHT THREAD TO ORFS              | 51803    | 1J943-6-8      | HOSE END,90° FEMALE SWIVEL,SEAL LOK    |
| 49202    | 1JC43-12-10   | HOSE END,FEMALE SWIVEL,SEAL LOK                | 53023    | 125HBL-5-4     | FITTING,HOSE BARB TO MALE PIPE         |
| 49203    | 10-8 V5OLO-S  | ELBOW,45°,STRAIGHT THREAD TO ORFS              | 53497    | PKT02585       | O-RING KIT                             |
| 49205    | 6 F5OHAO-S    | UNION,STRAIGHT THREAD                          | 53499    | 1JC71-16-16    | HOSE END,FEMALE SWIVEL,SEAL LOK        |
| 49207    | PD34BTL       | DIAGNOSTIC NIPPLE,SEAL-LOK SWIVEL              | 53500    | 3-904          | O-RING,STRAIGHT THREAD,-4              |
| 49209    | 8M18F870MX-S  | CONNECTOR,METRIC,STRAIGHT THREAD TO FLARE TUBE | 53501    | 3-906          | O-RING,STRAIGHT THREAD,-6              |
| 49212    | 8 WGTX-WLN-S  | CONNECTOR,BULKHEAD,FEMALE PIPE TO FLARE TUBE   | 53502    | 3-908          | O-RING,STRAIGHT THREAD,-8              |
| 49213    | 30682-8-8     | HOSE END,FEMALE SWIVEL,JIC                     | 53503    | 3-910          | O-RING,STRAIGHT THREAD,-10             |
| 49216    | 831-8         | HOSE,1/2 INCH ID                               |          |                |                                        |
| 49217    | 33982-8-8     | HOSE END,90° FEMALE SWIVEL,JIC                 |          |                |                                        |
| 49219    | PS-B-35       | SLEEVE,NYLON,2.19" ID                          |          |                |                                        |
| 49418    | 4-6 V5OLO-S   | ELBOW,45°,STRAIGHT THREAD TO ORFS              |          |                |                                        |
| 49511    | DT370-MOMS-5  | VALVE,CHECK                                    |          |                |                                        |
| 49512    | 1 DD-S        | ELBOW,90°,FEMALE PIPE                          |          |                |                                        |
| 49513    | 1 FF-S        | NIPPLE,PIPE                                    |          |                |                                        |
| 49514    | 10 HP5ON-S    | PLUG,STRAIGHT THREAD                           |          |                |                                        |
| 49515    | 12-16 CLO-S   | ELBOW,90°,MALE PIPE TO ORFS                    |          |                |                                        |
| 49517    | 6 HP5ON-S     | PLUG,STRAIGHT THREAD                           |          |                |                                        |
| 49519    | 16-12 F5OLO-S | CONNECTOR,STRAIGHT THREAD TO ORFS              |          |                |                                        |
| 49520    | 4 VTX-S       | ELBOW,45°,MALE PIPE TO FLARE TUBE              |          |                |                                        |
| 49530    | 16 C6LO-S     | ELBOW,90°,SWIVEL NUT ORFS                      |          |                |                                        |

## Fitting Cross References (Continued)

| Genie PN | Parker PN     | Description                                | Genie PN | Parker PN       | Description                                |
|----------|---------------|--------------------------------------------|----------|-----------------|--------------------------------------------|
| 53535    | 3-912         | O-RING, STRAIGHT THREAD, -12               | 61083    | 24 F5OLO-S      | CONNECTOR, STRAIGHT THREAD TO ORFS         |
| 53536    | 4-PNLO-S      | PLUG, TUBE END, ORFS                       | 61086    | 20 R5OLO-S      | RUN TEE, STRAIGHT THREAD                   |
| 53537    | 6 PNLO-S      | PLUG, TUBE END, ORFS                       | 61090    | 24-20 F5OLO-S   | CONNECTOR, STRAIGHT THREAD TO ORFS         |
| 53538    | 8 PNLO-S      | PLUG, TUBE END, ORFS                       | 61091    | 1J943 24-24     | HOSE END, 90° FEMALE SWIVEL, SEAL LOK      |
| 53539    | 10 PNLO-S     | PLUG, TUBE END, ORFS                       | 61093    | 1J978-12-12     | HOSE END, 90° FEMALE SWIVEL, JIC           |
| 53540    | 12 PNLO-S     | PLUG, TUBE END, ORFS                       | 61095    | 1JS43-20-16     | HOSE END, FEMALE SWIVEL, SEAL LOK          |
| 53946    | 129HB-5-4     | FITTING, 90° HOSE BARB TO MALE PIPE        | 61100    | 811-24          | HOSE, 1 1/2 INCH ID                        |
| 53951    | 8-1/4F5OG-S   | ADAPTER, FEMALE PIPE TO STRAIGHT THREAD    | 61130    | 1JS43-24-24     | HOSE END, FEMALE SWIVEL, SEAL LOK          |
| 53980    | 6 S6LO-S      | BRANCH TEE, SWIVEL NUT TO ORFS             | 61131    | 1JS78 12-12     | HOSE END, FEMALE SWIVEL, SEAL LOK          |
| 54132    | 4 C6LO-S      | ELBOW, 90°, SWIVEL NUT ORFS                | 61132    | 1J778-12-12     | HOSE END, 45° FEMALE SWIVEL, JIC           |
| 54135    | 11343-16-16   | HOSE END, MALE SWIVEL, PIPE                | 61152    | 139HB-6-4       | ELBOW, 45°, BARB TO MALE PIPE              |
| 54283    | 8-10 C5OLO-S  | ELBOW, 90°, STRAIGHT THREAD TO ORFS        | 61251    | BV-0750         | BALL VALVE                                 |
| 54428    | 8M18C87OMLO-S | ELBOW, 90° METRIC, STRAIGHT THREAD TO ORFS | 61259    | 4 CC5OLO-S      | ELBOW, 90° LONG, STRAIGHT THREAD TO ORFS   |
| 54803    | FS-F-16-10    | SLEEVE, FIRE, .96" ID                      | 61260    | 20-12 TRLO-BL   | REDUCER, TUBE END TO SWIVEL, ORFS          |
| 54954    | 10143-2-4     | HOSE END, MALE PIPE                        | 61262    | 12 C6LO-S       | ELBOW, 90°, SWIVEL NUT ORFS                |
| 55190    | 3/8 HP-S      | PLUG, PIPE THREAD                          | 61263    | 20 F5OHAO-S     | UNION, STRAIGHT THREAD                     |
| 55448    | 8 HLO-S       | UNION, ORFS                                | 61264    | 6-10 C5OLO-S    | ELBOW, 90°, STRAIGHT THREAD TO ORFS        |
| 55839    | 6 F65OX-S     | CONNECTOR, STRAIGHT THREAD TO 37° SWIVEL   | 61265    | 6 WNLO-WLNL-S   | UNION, BULKHEAD 45°, ORFS                  |
| 55968    | 10 C5OX-S     | ELBOW, 90°, STRAIGHT THREAD TO FLARE TUBE  | 61268    | 4 WNLO-WLNL-S   | UNION, BULKHEAD 45°, ORFS                  |
| 56003    | 6 CC5OLO-S    | ELBOW, 90° LONG, STRAIGHT THREAD TO ORFS   | 61269    | 4 WLO-WLNL-S    | UNION, BULKHEAD, ORFS                      |
| 56166    | BV-0837       | BALL VALVE, 90°                            | 61272    | 12 AOEL6        | ELBOW, 90°, STRAIGHT THREAD TO ORFS SWIVEL |
| 56188    | 10143-8-6     | HOSE END, MALE PIPE                        | 61316    | 482TC-16        | HOSE, 1 INCH ID                            |
| 56233    | 2-011         | O-RING, ORFS, -4                           | 61321    | 6 JLO-S         | UNION TEE, ORFS                            |
| 56234    | 2-012         | O-RING, ORFS, -6                           | 61327    | 782-12          | HOSE, 3/4 INCH ID                          |
| 56235    | 2-014         | O-RING, ORFS, -8                           | 61328    | 881-24          | HOSE, 1 1/2 INCH ID                        |
| 56236    | 2-016         | O-RING, ORFS, -10                          | 61336    | 11943-20-24     | HOSE END, 90° FLANGE HEAD                  |
| 56237    | 2-018         | O-RING, ORFS, -12                          | 61345    | 12 WJJLO-WLNL-S | RUN TEE, BULKHEAD, ORFS                    |
| 56238    | 2-021         | O-RING, ORFS, -16                          | 61346    | 8 WNLO-WLNL-S 4 | UNION, BULKHEAD 45°, ORFS                  |
| 56352    | 6 WLNL-S      | LOCKNUT, BULKHEAD                          | 61569    | 33782-8-8       | HOSE END, 45° FEMALE SWIVEL, JIC           |
| 56353    | 3J782-12-12   | HOSE END, 45° FEMALE SWIVEL, SEAL LOK      | 61610    | 12 FF5OLO-S     | CONNECTOR, LONG, STRAIGHT THREAD TO ORFS   |
| 56354    | 3J982-12-12   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK      | 61742    | 1/8 X 1.5 FFF   | NIPPLE, PIPE                               |
| 56604    | 10-8 F5OLO-S  | CONNECTOR, STRAIGHT THREAD TO ORFS         | 63426    | 8 PNTX-S        | PLUG, FLARE TUBE                           |
| 56639    | 3JC82-10-10   | HOSE END, FEMALE SWIVEL, SEAL LOK          |          |                 |                                            |
| 56640    | 3J982-10-10   | HOSE END, 90° FEMALE SWIVEL, SEAL LOK      |          |                 |                                            |
| 56655    | 3JC82-8-10    | HOSE END, FEMALE SWIVEL, SEAL LOK          |          |                 |                                            |
| 56676    | 10-8 C5OLO-S  | ELBOW, 90°, STRAIGHT THREAD TO ORFS        |          |                 |                                            |
| 56776    | 471TC-6       | HOSE, 3/8 INCH ID                          |          |                 |                                            |
| 56777    | 471TC-8       | HOSE, 1/2 INCH ID                          |          |                 |                                            |
| 56789    | 811-16        | HOSE, 1 INCH ID                            |          |                 |                                            |
| 57884    | 3/8 FF        | NIPPLE, PIPE                               |          |                 |                                            |
| 59335    | 6 FNL-S       | CAP, TUBE END                              |          |                 |                                            |
| 59342    | 4 FNL-S       | CAP, TUBE END                              |          |                 |                                            |
| 59371    | 8 HP5ON-S     | PLUG, STRAIGHT THREAD                      |          |                 |                                            |
| 60653    | BV-0751       | BALL VALVE                                 |          |                 |                                            |
| 60806    | 125HB-3-4     | FITTING, HOSE BARB TO MALE PIPE            |          |                 |                                            |
| 61064    | 5-1/4 F5OG-S  | ADAPTER, FEMALE PIPE TO STRAIGHT THREAD    |          |                 |                                            |
| 61079    | 4 WELO-WLNL-S | UNION, 90° BULKHEAD W/NUT, ORFS            |          |                 |                                            |
| 61080    | 6 WLO-WLNL-S  | UNION, BULKHEAD, ORFS                      |          |                 |                                            |



## Fitting Cross References (Continued)

| Genie PN | Parker PN      | Description                                 | Genie PN | Parker PN      | Description                                       |
|----------|----------------|---------------------------------------------|----------|----------------|---------------------------------------------------|
| 64271    | 4 WLO-WLNL-S   | UNION,BULKHEAD,ORFS                         | 75631    | 801-6          | HOSE,3/8 INCH ID                                  |
| 64272    | 6 WLO-WLNL-S   | UNION,BULKHEAD,ORFS                         | 75654    | 20 F5OLO-S     | CONNECTOR,STRAIGHT THREAD TO ORFS                 |
| 65776    | 8 F65OL-S      | CONNECTOR,STRAIGHT THREAD TO<br>ORFS SWIVEL | 75655    | 1J943-20-20    | HOSE END,90° FEMALE SWIVEL,SEAL LOK               |
| 65880    | 6001012        | O-RING KIT                                  | 75656    | 881-20         | HOSE,1-1/4 INCH ID                                |
| 66154    | 6 WTX-WLNS     | UNION,BULKHEAD,FLARE TUBE                   | 75971    | 8 F5OHAO-S     | UNION,STRAIGHT THREAD                             |
| 66155    | 6 WETX-S       | UNION,BULKHEAD 90°,FLARE TUBE               | 77307    | 1JB43-8-8      | HOSE END,BULKHEAD,SEAL LOK                        |
| 66156    | 6 WLNL-S       | BULKHEAD LOCKNUT                            | 77309    | 8 WLNL-S       | BULKHEAD LOCKNUT                                  |
| 66389    | 6-8 F5OX-S     | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE     | 77379    | 8M18C87OMX-S   | ELBOW,90° METRIC,STRAIGHT THREAD TO<br>FLARE TUBE |
| 66392    | 6 R5OX-S       | RUN TEE,STRAIGHT THREAD                     | 77703    | 3J982-8-8      | HOSE END,90° FEMALE SWIVEL,SEAL LOK               |
| 66396    | 811-12         | HOSE,3/4 INCH ID                            | 77711    | 801-10         | HOSE,5/8 INCH ID                                  |
| 66829    | H3174PP        | CLAMP,TUBE                                  | 77758    | 12 WNLO-WLNL-S | UNION,BULKHEAD 45°,ORFS                           |
| 67217    | 4 KLO-S        | UNION,CROSS,ORFS                            | 78091    | 6 C6X-S        | ELBOW,90°,SWIVEL NUT TO FLARE TUBE                |
| 67339    | 10-6 F5OX-S    | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE     | 78684    | 30582-8-8B     | HOSE END,PUSH LOK,MALE                            |
| 67357    | 13943-8-6      | HOSE END,90° FEMALE SWIVEL,JIC              | 78852    | 549-2          | HOSE,1/8 INCH ID                                  |
| 67358    | 10 HP5ON-S     | PLUG,STRAIGHT THREAD                        | 78855    | 10657-4-2      | HOSE END,FEMALE SWIVEL,JIC                        |
| 67371    | 12 S6LO-S      | BRANCH TEE,SWIVEL NUT TO ORFS               | 79138    | PS-B-37        | SLEEVE,NYLON,2.38" ID                             |
| 67498    | 4 FNL-S        | CAP, TUBE END                               | 79476    | 1JS43-6-8      | HOSE END,FEMALE SWIVEL,SEAL LOK                   |
| 67906    | DC-370-F0F0-5  | VALVE,CHECK                                 | 79847    | 12-3/4 A0EG-S  | ELBOW,90°,STRAIGHT THREAD TO FEMALE PIPE          |
| 69316    | 8 FLO-S        | CONNECTOR,MALE PIPE TO ORFS                 | 80044    | 8 CLO-S        | ELBOW,90°,MALE PIPE TO ORFS                       |
| 69333    | H3174PP        | CLAMP,HYDRAULIC HOSE                        | 80502    | 8 F5OX-S       | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE           |
| 69503    | 4 F65OX-S      | CONNECTOR,STRAIGHT THREAD TO 37° SWIVEL     | 80503    | 8 C5OX-S       | ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE           |
| 69775    | 8 FNL-S        | CAP, TUBE END                               | 81010    | AS-B-27        | SLEEVE,NYLON,1.63" ID                             |
| 71038    | 1/4X1/4F3HG-S  | ADAPTER,CONVERSION                          | 83052    | 821-6          | HOSE,3/8 INCH ID                                  |
| 71196    | 12-8 F5OLO-S   | CONNECTOR,STRAIGHT THREAD TO ORFS           | 83053    | 821-8          | HOSE,1/2 INCH ID                                  |
| 71383    | 1/4 CD45-S     | ELBOW,45°,MALE TO FEMALE PIPE               | 83054    | 821-12         | HOSE,3/4 INCH ID                                  |
| 72270    | 12FNL-S        | CAP, TUBE END                               | 83055    | 30682-6-6      | HOSE END,FEMALE SWIVEL,JIC                        |
| 73436    | 60C-4          | SLEEVE,COMPRESSION                          | 83056    | 30682-12-12    | HOSE END,FEMALE SWIVEL,JIC                        |
| 73437    | 61C-4          | NUT,COMPRESSION                             | 83057    | 33782-6-6      | HOSE END,45° FEMALE SWIVEL,JIC                    |
| 73438    | 33482-4-4B     | HOSE END,PUSH LOK,MALE                      | 83058    | 33982-6-6      | HOSE END,90° FEMALE SWIVEL,JIC                    |
| 73767    | 1CD-S          | ELBOW,90°,MALE TO FEMALE PIPE               | 83060    | 33982-12-12    | HOSE END,90° FEMALE SWIVEL,JIC                    |
| 73768    | 20-16-F5OG5-S  | ADAPTER,FEMALE PIPE TO STRAIGHT THREAD      | 83063    | 13743-4-4      | HOSE END,45° FEMALE SWIVEL,JIC                    |
| 73769    | 16-20 F5OLO-S  | CONNECTOR,STRAIGHT THREAD TO ORFS           |          |                |                                                   |
| 74660    | 6-8 F42EDMLO-S | CONNECTOR,MALE BSPP TO ORFS                 |          |                |                                                   |
| 74661    | 8-8 F42EDMLO-S | CONNECTOR,MALE BSPP TO ORFS                 |          |                |                                                   |
| 75007    | 4 FLO-S        | CONNECTOR,MALE PIPE TO ORFS                 |          |                |                                                   |
| 75008    | 1/8 HP-S       | PLUG,PIPE THREAD                            |          |                |                                                   |
| 75014    | 1/2 HP-S       | PLUG,PIPE THREAD                            |          |                |                                                   |
| 75042    | 8 WELO-WLNL-S  | UNION,90° BULKHEAD W/NUT,ORFS               |          |                |                                                   |
| 75043    | 3/4 FF-S       | NIPPLE,PIPE                                 |          |                |                                                   |
| 75254    | 24 F5OHAO-S    | UNION,STRAIGHT THREAD                       |          |                |                                                   |
| 75255    | 12 F5OHAO-S    | UNION,STRAIGHT THREAD                       |          |                |                                                   |
| 75256    | XV506P-24      | BALL VALVE                                  |          |                |                                                   |
| 75574    | 4 WLNL-S       | BULKHEAD LOCKNUT                            |          |                |                                                   |
| 75612    | 8 WJLO-WLNL-S  | RUN TEE, BULKHEAD,ORFS                      |          |                |                                                   |
| 75613    | 12-8 F5OG5-S   | ADAPTER,FEMALE PIPE TO STRAIGHT THREAD      |          |                |                                                   |
| 75614    | 8 CC5OLO-S     | ELBOW,90° LONG,STRAIGHT THREAD TO ORFS      |          |                |                                                   |
| 75628    | 1JB43-4-4      | HOSE END,BULKHEAD,SEAL LOK                  |          |                |                                                   |

## Fitting Cross References (Continued)

| Genie PN | Parker PN     | Description                         | Genie PN | Parker PN      | Description                             |
|----------|---------------|-------------------------------------|----------|----------------|-----------------------------------------|
| 83064    | 13743-8-8     | HOSE END,45° FEMALE SWIVEL,JIC      | 89449    | 6 WJJLO-WLNL-S | RUN TEE, BULKHEAD,ORFS                  |
| 83065    | 13743-12-12   | HOSE END,45° FEMALE SWIVEL,JIC      | 89489    | 4 WJMLO-S      | BRANCH TEE,BULKHEAD,ORFS                |
| 83066    | 13943-8-8     | HOSE END,90° FEMALE SWIVEL,JIC      | 89551    | 1JB43-6-6      | HOSE END,BULKHEAD,SEAL LOK              |
| 83067    | 14143-6-6     | HOSE END,90° FEMALE SWIVEL,JIC      | 89552    | 1JB43-8-8      | HOSE END,BULKHEAD,SEAL LOK              |
| 83068    | 14143-8-8     | HOSE END,90° FEMALE SWIVEL,JIC      | 89593    | 20 C5OLO-S     | ELBOW,90°,STRAIGHT THREAD TO ORFS       |
| 83069    | 14143-12-12   | HOSE END,90° FEMALE SWIVEL,JIC      | 94161    | 8-8 CLO-S      | ELBOW,90°,MALE PIPE TO ORFS             |
| 83070    | 772-8         | HOSE,1/2 INCH ID                    | 94358    | 351TC-12       | HOSE,3/4 INCH ID                        |
| 83071    | 10671-8-8     | HOSE END,FEMALE SWIVEL,JIC          | 94418    | 20 FLO-S       | CONNECTOR,MALE PIPE TO ORFS             |
| 83072    | 10671-12-12   | HOSE END,FEMALE SWIVEL,JIC          | 96358    | 12 TX-S        | SLEEVE,FLARE TUBE                       |
| 83073    | 13771-8-8     | HOSE END,45° FEMALE SWIVEL,JIC      | 96359    | 12 BTX-S       | NUT,FLARE TUBE                          |
| 83074    | 13771-12-12   | HOSE END,45° FEMALE SWIVEL,JIC      | 96397    | 8 F5OX-S       | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE |
| 83075    | 13971-8-8     | HOSE END,90° FEMALE SWIVEL,JIC      | 96398    | 12-8 F5OX-S    | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE |
| 83076    | 13971-12-12   | HOSE END,90° FEMALE SWIVEL,JIC      | 96402    | 10343-6-6      | HOSE END,MALE,JIC                       |
| 83077    | 14171-8-8     | HOSE END,90° FEMALE SWIVEL,JIC      | 96407    | 30382-6-6B     | HOSE END,MALE,JIC                       |
| 83078    | 14171-12-12   | HOSE END,90° FEMALE SWIVEL,JIC      |          |                |                                         |
| 83080    | 13943-16-16   | HOSE END,90° FEMALE SWIVEL,JIC      |          |                |                                         |
| 83103    | 10671-16-12   | HOSE END,FEMALE SWIVEL,JIC          |          |                |                                         |
| 83104    | 10671-10-12   | HOSE END,FEMALE SWIVEL,JIC          |          |                |                                         |
| 83112    | 1JC71-8-8     | HOSE END,FEMALE SWIVEL,SEAL LOK     |          |                |                                         |
| 83113    | 1JS71-16-12   | HOSE END,FEMALE SWIVEL,SEAL LOK     |          |                |                                         |
| 83114    | 1JS71-10-12   | HOSE END,FEMALE SWIVEL,SEAL LOK     |          |                |                                         |
| 83115    | 1J971-8-8     | HOSE END,90° FEMALE SWIVEL,SEAL LOK |          |                |                                         |
| 83116    | 1J171-8-8     | HOSE END,90° FEMALE SWIVEL,SEAL LOK |          |                |                                         |
| 83117    | 1J771-8-8     | HOSE END,45° FEMALE SWIVEL,SEAL LOK |          |                |                                         |
| 83127    | 1J543-6-8     | HOSE END,90° FEMALE SWIVEL,JIC      |          |                |                                         |
| 83128    | 1JC43-6-8     | HOSE END,FEMALE SWIVEL,SEAL LOK     |          |                |                                         |
| 87033    | 12-6 TRLO-S   | REDUCER,TUBE END TO SWIVEL,ORFS     |          |                |                                         |
| 87034    | 3J782-8-8     | HOSE END,45° FEMALE SWIVEL,SEAL LOK |          |                |                                         |
| 87172    | 12 HP5ON-S    | PLUG,STRAIGHT THREAD                |          |                |                                         |
| 87185    | 8 WNLO-WLNL-S | UNION,BULKHEAD 45°,ORFS             |          |                |                                         |
| 87246    | 4 C6X-S       | ELBOW,90°,SWIVEL NUT TO FLARE TUBE  |          |                |                                         |
| 87679    | 6 LHP-S       | FLANGE SEAL FITTING, MALE           |          |                |                                         |
| 87681    | 6PLS N0702    | BONDED SEAL                         |          |                |                                         |
| 88100    | SR88100       | ADAPTER,OIL DRAIN,GM 3.0L           |          |                |                                         |
| 88311    | 1JS43-20-20   | HOSE END,FEMALE SWIVEL,SEAL LOK     |          |                |                                         |
| 88353    | 20 V5OLO-S    | ELBOW,45°,STRAIGHT THREAD TO ORFS   |          |                |                                         |
| 88474    | 10081-20      | Crimp Shell, 1.25"                  |          |                |                                         |
| 88475    | 1988-20-24    | HOSE END,90° FLANGE HEAD            |          |                |                                         |
| 88476    | JS88-24-24    | HOSE END,FEMALE SWIVEL,SEAL LOK     |          |                |                                         |
| 88477    | 1JC88-20-20   | HOSE END,FEMALE SWIVEL,SEAL LOK     |          |                |                                         |
| 88478    | 811-20        | HOSE,11/4 INCH ID                   |          |                |                                         |
| 88936    | 20-16 F5OLO-S | CONNECTOR,STRAIGHT THREAD TO ORFS   |          |                |                                         |
| 88937    | 20-16 FLO-S   | CONNECTOR,MALE PIPE TO ORFS         |          |                |                                         |
| 88938    | 1JC88-16-16   | HOSE END,FEMALE SWIVEL,SEAL LOK     |          |                |                                         |
| 88939    | 1J988-16-16   | HOSE END,90° FEMALE SWIVEL,ORFS     |          |                |                                         |
| 88940    | 811-16        | HOSE,1 INCH ID                      |          |                |                                         |
| 88944    | 1J988-20-20   | HOSE END,90° FEMALE SWIVEL,ORFS     |          |                |                                         |
| 89403    | 16 VLO-S      | ELBOW,45°,MALE PIPE TO ORFS         |          |                |                                         |

California Proposition 65

## Warning

The exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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