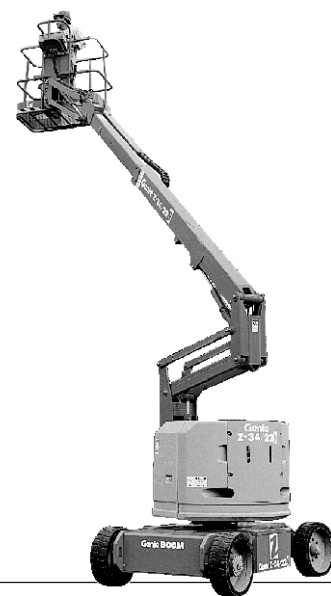




## Parts Manual

*Refer to inside cover for additional serial number information*

Part No. 106046

Rev B3

July 2006

### **Z<sup>TM</sup>-34/22N**

*(from serial number 2227)*

### **Z<sup>TM</sup>-34/22**

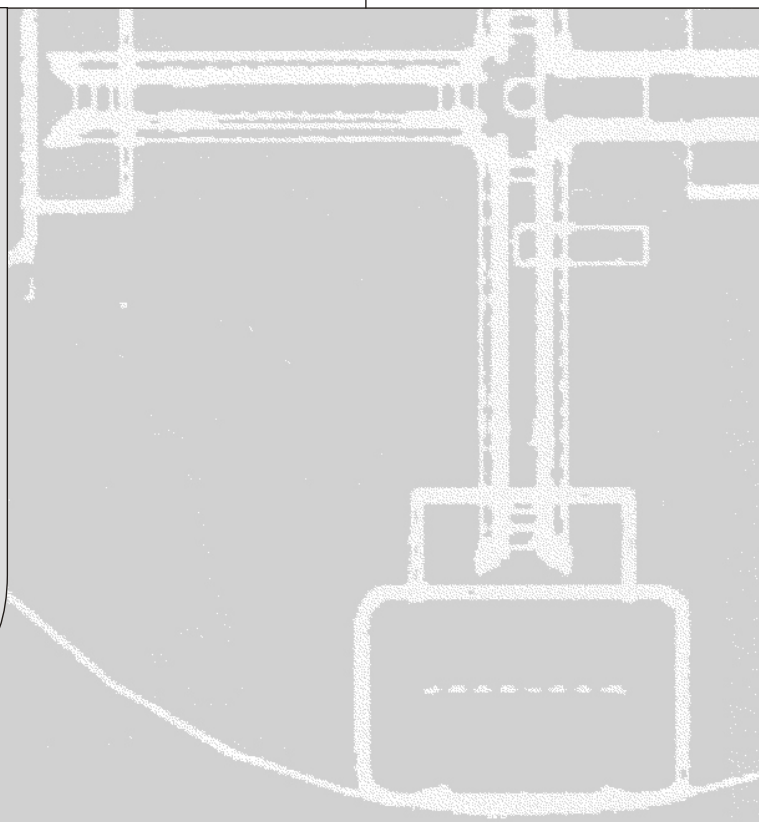
***DC Power***

*(from serial number 1735)*

### **Z<sup>TM</sup>-34/22**

***Bi-Energy Power***

*(from serial number 1735)*



## Technical Publications

Genie Industries 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.

## Serial Number Information

Genie Industries offers the following Parts Manuals for these models:

| <b>Title</b>                                                                                                          | <b>Part No.</b> |
|-----------------------------------------------------------------------------------------------------------------------|-----------------|
| Genie Z-34/22 Bi-Energy Parts Manual, 1st Edition (before serial number 1735) .....                                   | 56010           |
| Genie Z-34/22N & Z-34/22DC Parts Manual, 2nd Edition (before serial number 2227, Z-34/22N and 1735, Z-34/22 DC) ..... | 62298           |

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## Contact Us:

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106046 Rev B April 2005

First Edition, Second Printing

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This manual is updated frequently. Each parts figure listed below has a figure number and a revision letter. If a figure is updated with new information, the revision letter or 'Rev' is updated (example: from Rev A to Rev B).

| Figure | Rev | Description |
|--------|-----|-------------|
| 101.1  | B   | Decals      |

If you have a printed manual, you can keep it up to date by downloading new figures from the Genie website.

To learn about the benefits Genie eBusiness customers receive, visit the Genie Industries website at [www.genieindustries.com](http://www.genieindustries.com) and select Parts & Service.

### Electronic Version

Click on the figure description below to view the figure.

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## Parts Stocking List

### Required Parts

The following parts are required to perform maintenance procedures as outlined in the *Genie Z-34/22N & Z-34/22 DC and Z-34/22 Bi-Energy Service Manuals*

| Description                                                                                                          | Part No. |
|----------------------------------------------------------------------------------------------------------------------|----------|
| Filter Element, 10 Micron .....                                                                                      | 52627    |
| Engine Oil Filter .....                                                                                              | 22106    |
| Air Cleaner Element .....                                                                                            | 52867    |
| Fuel Filter Element .....                                                                                            | 52877    |
| V-Belt (Kubota Z482-E Diesel) .....                                                                                  | 52816    |
| Fan Belt (Kubota Z482-E Diesel) .....                                                                                | 56064    |
| Hydraulic Tank Filter Element<br>(before serial number 3033, Z-34/22N)<br>(before serial number 2266, Z-34/22) ..... | 58995    |
| Hydraulic Tank Filter Element<br>(after serial number 3032, Z-34/22N)<br>(after serial number 2265, Z-34/22) .....   | 74346    |

### Recommended Parts

| Description                                       | Part No. |
|---------------------------------------------------|----------|
| Genie Gray Paint, 12 Ounce / 355 ml Aerosol ..... | 1268     |
| Genie Blue Paint, 12 Ounce / 355 ml Aerosol ..... | 1484     |
| Genie Blue Paint, 1 Gallon / 3.78 liters .....    | 32150    |
| Genie Gray Paint, 1 Gallon / 3.78 liters .....    | 32151    |

### Manuals

Genie Industries offers the following support documents for these models:

| Title                                                                       | Part No. |
|-----------------------------------------------------------------------------|----------|
| Genie Z-34/22 Bi-Energy<br>Operator's Manual, 2nd Edition .....             | 82598    |
| Genie Z-34/22 Bi-Energy<br>Service Manual, 1st Edition .....                | 56009    |
| Genie Z-34/22N and Genie Z-34/22 DC<br>Operator's Manual, 1st Edition ..... | 36539    |
| Genie Z-34/22N and Genie Z-34/22 DC<br>Operator's Manual, 2nd Edition ..... | 43654    |
| Genie Z-34/22N and Genie Z-34/22 DC<br>Service Manual, 1st Edition .....    | 36540    |
| EMI Safety Manual .....                                                     | 27581    |
| Manual of Responsibilities<br>ANSI A92.6-1990 .....                         | 44163    |

## How To Order Parts

Please be prepared with the following information when ordering replacement parts for your Genie product:

- ☒ Machine model number
- ☒ Machine serial number
- ☒ Genie part number
- ☒ Part description and quantity
- ☒ Purchase order number
- ☒ "Ship to" address
- ☒ Desired method of shipment
- ☒ Name and telephone number of the authorized Genie 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 Genie Industries.

## Machine Information

---

**Model**

---

**Serial Number**

---

**Date of Purchase**

---

**Authorized Genie Distributor**

---

**Phone Number**

### Genie North America

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

### Genie UK

Parts Telephone (44) (0) 1476 584352  
Parts Fax (44) (0) 1476 584340

### Genie Australia

Parts Telephone (617) 03375 1660  
Parts Fax (617) 03375 1002

### Genie France

Parts Telephone (33) (0) 237 26 09 99  
Parts Fax (33) (0) 237 31 50 10

### Genie Germany

Parts Telephone (49) (0) 4202 885223  
Parts Fax (49) (0) 4202 885225

### Genie Scandinavia

Parts Telephone (46) (31) 3409612  
Parts Fax (46) (31) 3409613

### Genie Iberica

Parts Telephone (34) (93) 5795042

### Genie Brazil

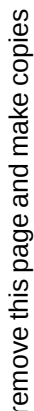
Parts Telephone (55) (114) 1665755  
Parts Fax (55) (114) 1665754

### Genie Japan

Parts Telephone (81) (33) 4536082  
Parts Fax (81) (33) 4536083

### Genie China

Parts Telephone (86) (215) 3852570  
Parts Fax (86) (215) 3852569



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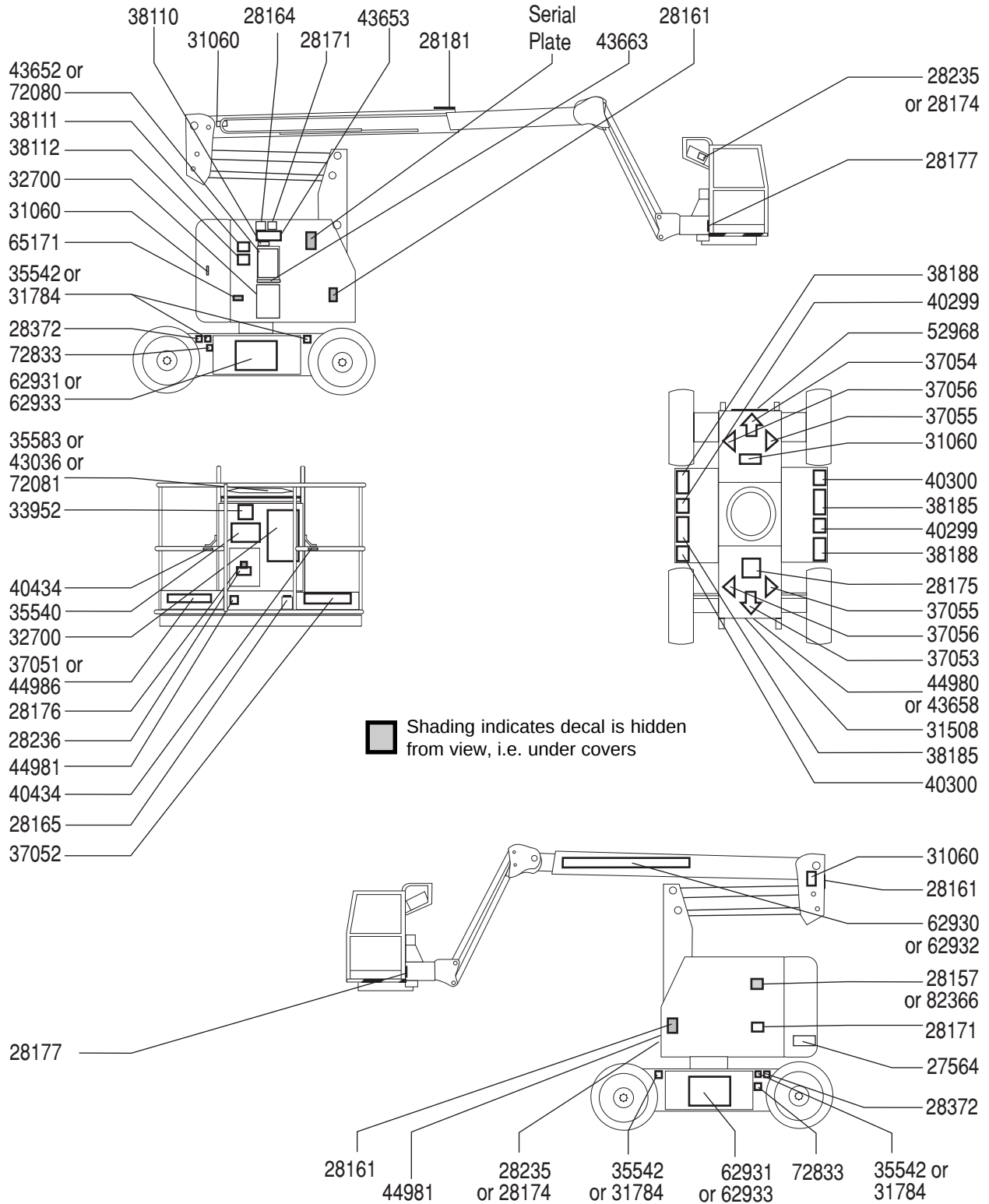
- ☐ Ship complete order only - No back orders
- ☐ Ship all available parts and contact customer on disposition of back-ordered parts
- ☐ Other (please specify)

Order Total \_\_\_\_\_ Terms Code \_\_\_\_\_



# Parts Figures

| Figure | Rev | Description                                                       |
|--------|-----|-------------------------------------------------------------------|
| 101.1  | A   | Decals (before serial number 4261, Z-34/22N and 3578, Z-34/22 DC) |



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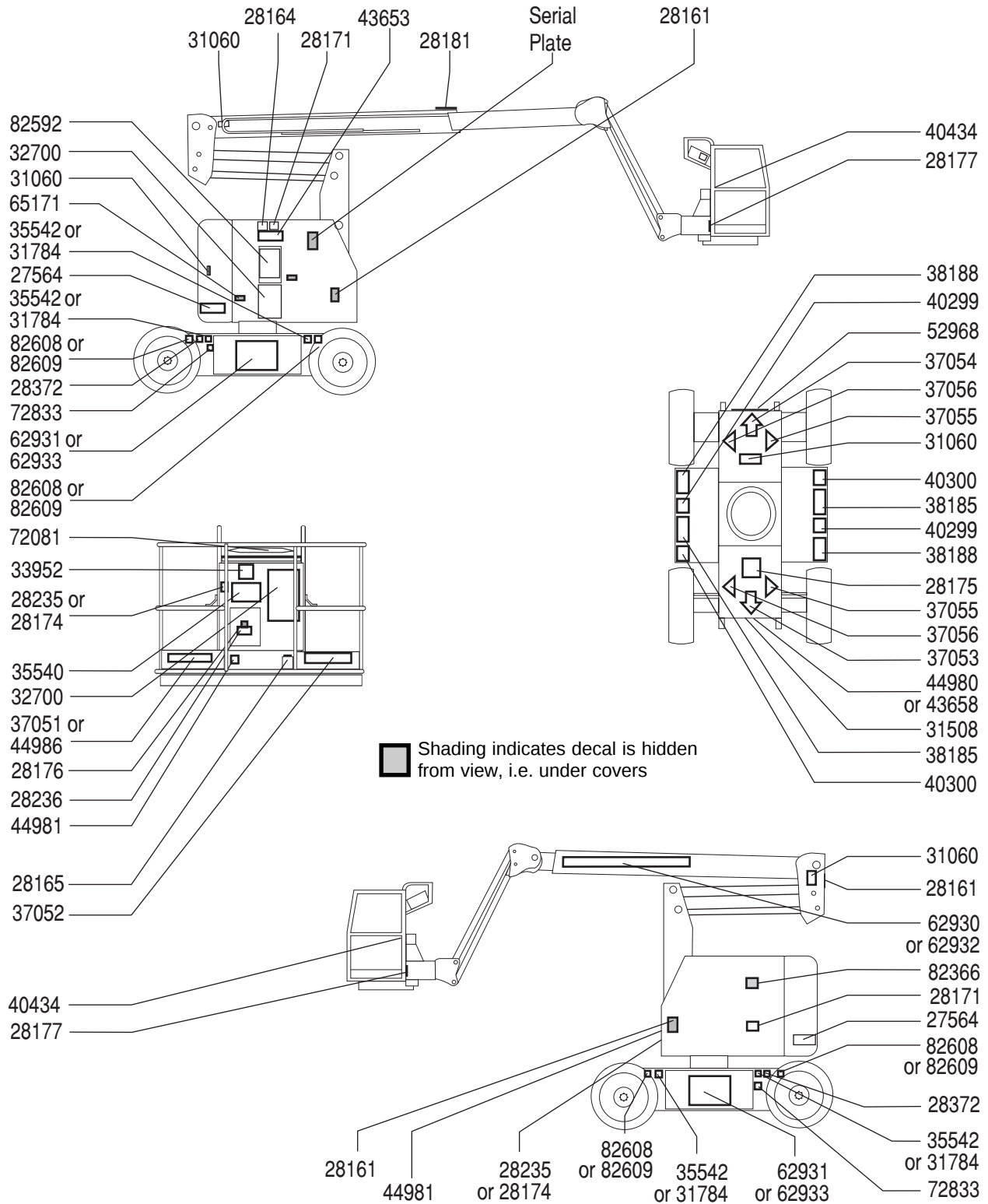
101.1

Decals (before serial number 4261, Z-34/22N and 3578, Z-34/22 DC) Rev A

| Item | Part No. | Description                                                                                       | Qty. | Item | Part No. | Description                                        | Qty. |
|------|----------|---------------------------------------------------------------------------------------------------|------|------|----------|----------------------------------------------------|------|
| —    | 72978    | Decal Kit - Safety/Instructional<br>(includes items 1-11, 13-16, 18-22,<br>26-36, 39, 50, and 54) |      | 28   | 37054    | Arrow - Yellow .....                               | 1    |
| 1    | 27564    | Danger - Electrocution Hazard .....                                                               | 2    | 29   | 37055    | Triangle - Blue .....                              | 2    |
| 2    | 28157    | Label - Dexron .....                                                                              | 1    | 30   | 37056    | Triangle - Yellow .....                            | 2    |
| 3    | 28161    | Warning - Crushing Hazard .....                                                                   | 3    | 31   | 38110    | Label - Travel Alarm .....                         | 1    |
| 4    | 28164    | Notice - Hazardous Materials .....                                                                | 1    | 32   | 38111    | Warning - Brakes Release .....                     | 1    |
| 5    | 28165    | Notice - Foot Switch .....                                                                        | 1    | 33   | 38112    | Caution - Collision Hazard .....                   | 1    |
| 6    | 28171    | Label - No Smoking .....                                                                          | 2    | 34   | 40299    | Notice - Battery Connection<br>Diagram .....       | 2    |
| 7    | 28174    | Power to Platform, 230V AC .....                                                                  | 2    | 35   | 40300    | Danger - Tip-over, Batteries .....                 | 2    |
| 8    | 28175    | Caution - Compartment Access .....                                                                | 1    | 36   | 40434    | Label - Lanyard Anchorage .....                    | 2    |
| 9    | 28176    | Notice - Missing Manuals .....                                                                    | 1    | 37   | 43036    | Platform Control Panel .....                       | 1    |
| 10   | 28177    | Warning - Platform Rotate .....                                                                   | 2    | 38   | 43652    | Ground Control Panel .....                         | 1    |
| 11   | 28181    | Warning - No Step or Ride .....                                                                   | 1    | 39   | 43653    | Notice - Operating Instructions,<br>Ground .....   | 1    |
| 12   | 28235    | Power to Platform, 115V AC .....                                                                  | 2    | 40   | 43658    | Power to Charger, 230V AC .....                    | 1    |
| 13   | 28236    | Warning - Failure To Read . . . ..                                                                | 1    | 41   | 43663    | Notice - Function Enable .....                     | 1    |
| 14   | 28372    | Caution - Component Damage .....                                                                  | 2    | 42   | 44980    | Power to Charger, 115V AC .....                    | 1    |
| 15   | 31060    | Danger - Tip-over Hazard,<br>Interlock .....                                                      | 4    | 43   | 44981    | Airline to Platform .....                          | 2    |
| 16   | 31508    | Notice - Power to Charger .....                                                                   | 1    | 44   | 44986    | Notice - Max Manual Force,<br>90 lbs / 400 N ..... | 1    |
| 17   | 31784    | Notice - Tire Specifications,<br>Z-34/22 DC .....                                                 | 4    | 45   | 52968    | Cosmetic - Genie Boom .....                        | 1    |
| 18   | 31785    | Notice - Battery Charger<br>Instructions .....                                                    | 2    | 46   | 62930    | Cosmetic - Genie Z-34/22 .....                     | 1    |
| 19   | 31788    | Danger - Battery/Charger Safety ..                                                                | 2    | 47   | 62931    | Cosmetic -<br>Genie Z-34/22 DC Power .....         | 2    |
| 20   | 32700    | Danger - Safety Rules .....                                                                       | 2    | 48   | 62932    | Cosmetic - Genie Z-34/22N .....                    | 1    |
| 21   | 33952    | Danger - Tilt-Alarm .....                                                                         | 1    | 49   | 62933    | Cosmetic - Genie Z-34/22N .....                    | 2    |
| 22   | 35540    | Notice - Operating Instructions,<br>Platform .....                                                | 1    | 50   | 65171    | Label - Circuit Breaker<br>& Status Light .....    | 1    |
| 23   | 35542    | Notice - Tire Specifications,<br>Z-34/22N .....                                                   | 4    | 51   | 72080    | Ground Control Panel .....                         | 1    |
| 24   | 35583    | Platform Control Panel .....                                                                      | 1    | 52   | 72081    | Platform Control Panel .....                       | 1    |
| 25   | 37051    | Notice - Max Side Force,<br>150 lbs / 667 N .....                                                 | 1    | 53   | 72833    | Label - Open .....                                 | 2    |
| 26   | 37052    | Notice - Maximum Load,<br>500 lbs / 227 kg .....                                                  | 1    | 54   | 82366    | Label - Chevron Rykon .....                        | 1    |
| 27   | 37053    | Arrow - Blue .....                                                                                | 1    |      |          |                                                    |      |



| Figure | Rev | Description                                                                                        |
|--------|-----|----------------------------------------------------------------------------------------------------|
| 102.1  | B   | Word Decals (from serial number 4261 to 5504, Z-34/22N and serial number 3578 to 4684, Z-34/22 DC) |



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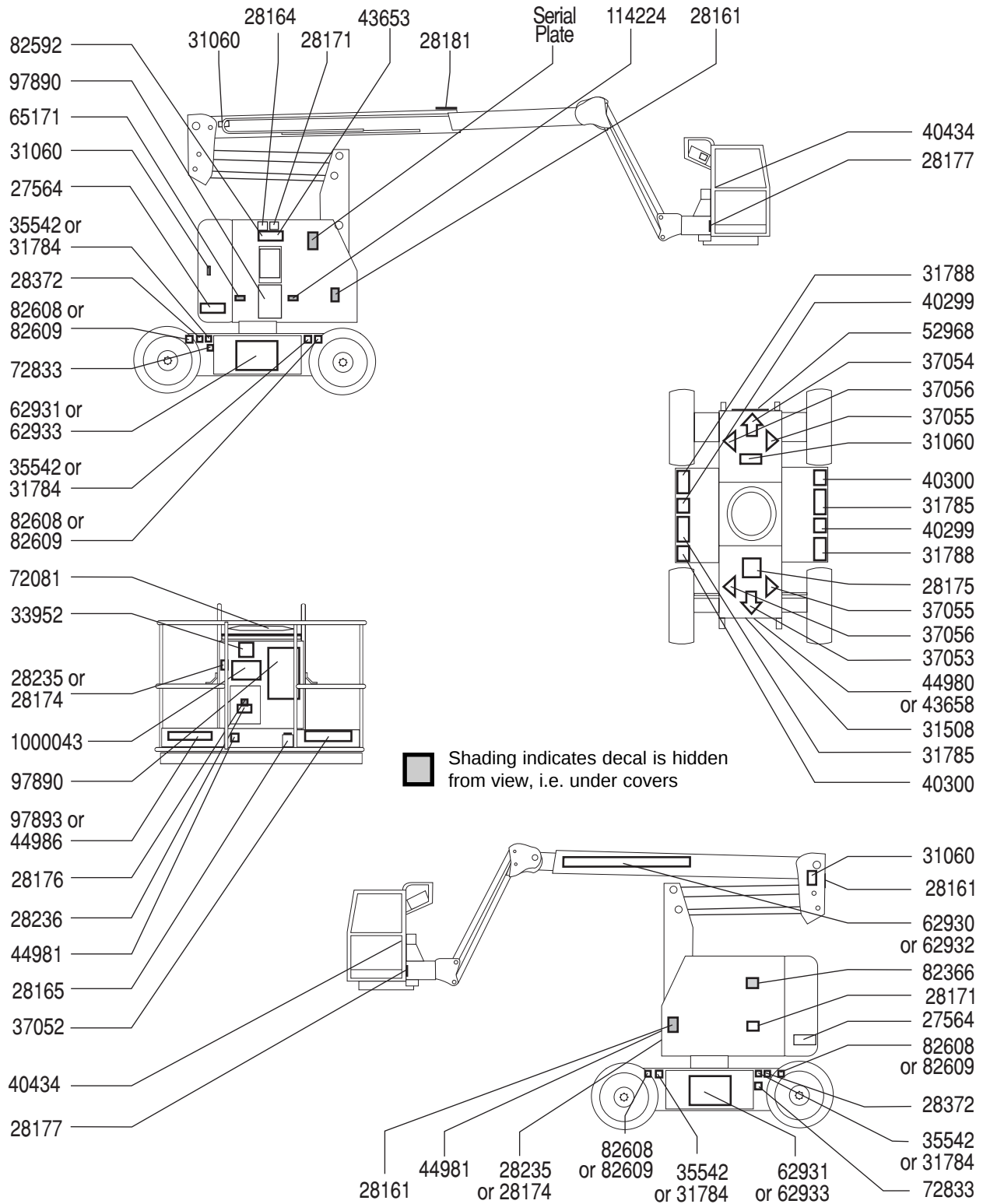
102.1

Word Decals (from serial number 4261 to 5504, Z-34/22N and 3578 to 4684, Z-34/22 DC) Rev B

| Item | Part No. | Description                                                                                       | Qty. | Item | Part No. | Description                                        | Qty. |
|------|----------|---------------------------------------------------------------------------------------------------|------|------|----------|----------------------------------------------------|------|
| —    | 106057   | Decal Kit - Safety/Instructional<br>(includes items 2-5, 7-14,<br>17-22, 24-31, 41-44, 46 and 47) |      | 25   | 37053    | Arrow - Blue .....                                 | 1    |
| 1    | 27564    | Danger - Electrocution Hazard .....                                                               | 2    | 26   | 37054    | Arrow - Yellow .....                               | 1    |
| 2    | 28161    | Warning - Crushing Hazard .....                                                                   | 3    | 27   | 37055    | Triangle - Blue .....                              | 2    |
| 3    | 28164    | Notice - Hazardous Materials .....                                                                | 1    | 28   | 37056    | Triangle - Yellow .....                            | 2    |
| 4    | 28165    | Notice - Foot Switch .....                                                                        | 1    | 29   | 40299    | Notice - Battery Connection<br>Diagram .....       | 2    |
| 5    | 28171    | Label - No Smoking .....                                                                          | 2    | 30   | 40300    | Danger - Tip-over, Batteries .....                 | 2    |
| 6    | 28174    | Label - Power to Platform,<br>230V AC .....                                                       | 2    | 31   | 40434    | Label - Lanyard Anchorage .....                    | 2    |
| 7    | 28175    | Caution - Compartment Access ...                                                                  | 1    | 32   | 43653    | Notice - Operating Instructions,<br>Ground .....   | 1    |
| 8    | 28176    | Notice - Missing Manuals .....                                                                    | 1    | 33   | 43658    | Label - Power to Charger,<br>230V AC .....         | 1    |
| 9    | 28177    | Warning - Platform Rotate .....                                                                   | 2    | 34   | 44980    | Label - Power to Charger,<br>115V AC .....         | 1    |
| 10   | 28181    | Warning - No Step or Ride .....                                                                   | 1    | 35   | 44981    | Label - Air Line to Platform .....                 | 2    |
| 11   | 28235    | Label - Power to Platform,<br>115V AC .....                                                       | 2    | 36   | 44986    | Notice - Max Manual Force,<br>90 lbs / 400 N ..... | 1    |
| 12   | 28236    | Warning - Failure To Read . . .                                                                   | 1    | 37   | 52968    | Cosmetic - Genie Boom .....                        | 1    |
| 13   | 28372    | Caution - Component Damage .....                                                                  | 2    | 38   | 62930    | Cosmetic - Genie Z-34/22 .....                     | 1    |
| 14   | 31060    | Danger - Tip-over Hazard,<br>Interlock .....                                                      | 4    | 39   | 62931    | Cosmetic -<br>Genie Z-34/22 DC Power .....         | 2    |
| 15   | 31508    | Notice - Power to Charger .....                                                                   | 1    | 40   | 62932    | Cosmetic - Genie Z-34/22N .....                    | 1    |
| 16   | 31784    | Notice - Tire Specifications,<br>Z-34/22 .....                                                    | 4    | 41   | 62933    | Cosmetic - Genie Z-34/22N .....                    | 2    |
| 17   | 31785    | Notice - Battery Charger<br>Instructions .....                                                    | 2    | 42   | 65171    | Label - Circuit Breaker<br>& Status Light .....    | 1    |
| 18   | 31788    | Danger - Battery/Charger<br>Safety .....                                                          | 2    | 43   | 72081    | Platform Control Panel .....                       | 1    |
| 19   | 32700    | Danger - Safety Rules .....                                                                       | 2    | 44   | 72833    | Label - Open .....                                 | 2    |
| 20   | 33952    | Danger - Tilt-Alarm .....                                                                         | 1    | 45   | 82366    | Label - Chevron Rykon .....                        | 1    |
| 21   | 35540    | Notice - Operating Instructions,<br>Platform .....                                                | 1    | 46   | 82592    | Ground Control Panel .....                         | 1    |
| 22   | 35542    | Notice - Tire Specifications,<br>Z-34/22N .....                                                   | 4    | 47   | 82608    | Label - Wheel Load,<br>Z-34/22 DC .....            | 4    |
| 23   | 37051    | Notice - Max Side Force,<br>150 lbs / 667 N .....                                                 | 1    | 48   | 82609    | Label - Wheel Load, Z-34/22N .....                 | 4    |
| 24   | 37052    | Notice - Maximum Load,<br>500 lbs / 227 kg .....                                                  | 1    |      |          |                                                    |      |



| Figure | Rev | Description                                                           |
|--------|-----|-----------------------------------------------------------------------|
| 102.2  | A   | Word Decals (after serial number 5504, Z-34/22N and 4684, Z-34/22 DC) |



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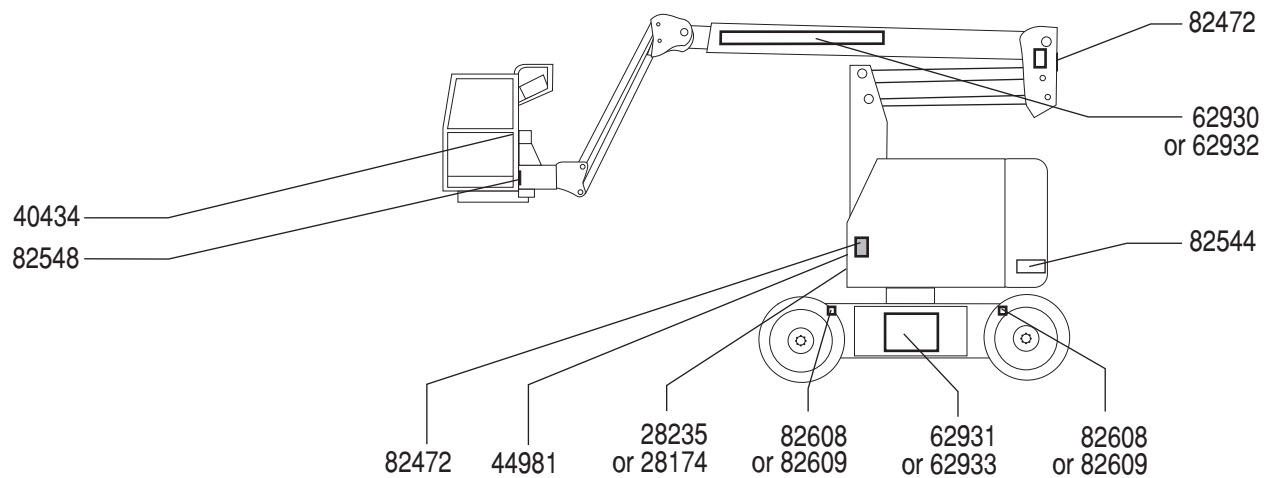
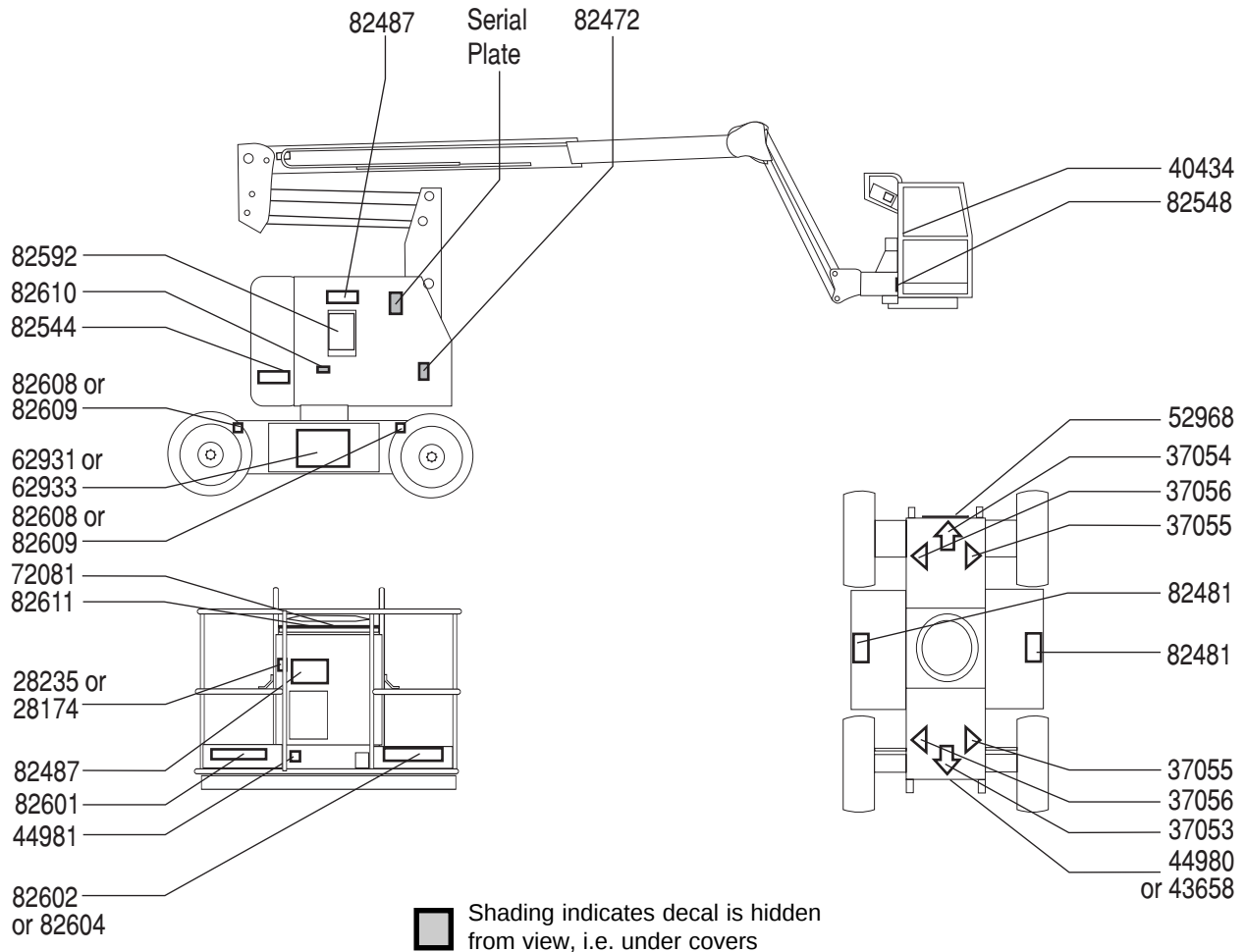
102.2

Word Decals (after serial number 5504, Z-34/22N and 4684, Z-34/22 DC) Rev A

| Item | Part No. | Description                                                                                       | Qty. | Item | Part No. | Description                                        | Qty. |
|------|----------|---------------------------------------------------------------------------------------------------|------|------|----------|----------------------------------------------------|------|
| —    | 119419   | Decal Kit - Safety/Instructional<br>(includes items 2-5, 7-14,<br>17-28, 38-41, 43-44, 46 and 49) |      | 26   | 40299    | Notice - Battery Connection<br>Diagram .....       | 2    |
| 1    | 27564    | Danger - Electrocution Hazard .....                                                               | 2    | 27   | 40300    | Danger - Tip-over, Batteries .....                 | 2    |
| 2    | 28161    | Warning - Crushing Hazard .....                                                                   | 3    | 28   | 40434    | Label - Lanyard Anchorage .....                    | 2    |
| 3    | 28164    | Notice - Hazardous Materials .....                                                                | 1    | 29   | 43653    | Notice - Operating Instructions,<br>Ground .....   | 1    |
| 4    | 28165    | Notice - Foot Switch .....                                                                        | 1    | 30   | 43658    | Label - Power to Charger,<br>230V AC .....         | 1    |
| 5    | 28171    | Label - No Smoking .....                                                                          | 2    | 31   | 44980    | Label - Power to Charger,<br>115V AC .....         | 1    |
| 6    | 28174    | Label - Power to Platform,<br>230V AC .....                                                       | 2    | 32   | 44981    | Label - Air Line to Platform .....                 | 2    |
| 7    | 28175    | Caution - Compartment Access .....                                                                | 1    | 33   | 44986    | Notice - Max Manual Force,<br>90 lbs / 400 N ..... | 1    |
| 8    | 28176    | Notice - Missing Manuals .....                                                                    | 1    | 34   | 52968    | Cosmetic - Genie Boom .....                        | 1    |
| 9    | 28177    | Warning - Platform Rotate .....                                                                   | 2    | 35   | 62930    | Cosmetic - Genie Z-34/22 .....                     | 1    |
| 10   | 28181    | Warning - No Step or Ride .....                                                                   | 1    | 36   | 62931    | Cosmetic -<br>Genie Z-34/22 DC Power .....         | 2    |
| 11   | 28235    | Label - Power to Platform,<br>115V AC .....                                                       | 2    | 37   | 62932    | Cosmetic - Genie Z-34/22N .....                    | 1    |
| 12   | 28236    | Warning - Failure To Read . . . . .                                                               | 1    | 38   | 62933    | Cosmetic - Genie Z-34/22N .....                    | 2    |
| 13   | 28372    | Caution - Component Damage .....                                                                  | 2    | 39   | 65171    | Label - Circuit Breaker<br>& Status Light .....    | 1    |
| 14   | 31060    | Danger - Tip-over Hazard,<br>Interlock .....                                                      | 4    | 40   | 72081    | Platform Control Panel .....                       | 1    |
| 15   | 31508    | Notice - Power to Charger .....                                                                   | 1    | 41   | 72833    | Label - Open .....                                 | 2    |
| 16   | 31784    | Notice - Tire Specifications,<br>Z-34/22 .....                                                    | 4    | 42   | 82366    | Label - Chevron Rykon .....                        | 1    |
| 17   | 31785    | Notice - Battery Charger<br>Instructions .....                                                    | 2    | 43   | 82592    | Ground Control Panel .....                         | 1    |
| 18   | 31788    | Danger - Battery/Charger<br>Safety .....                                                          | 2    | 44   | 82608    | Label - Wheel Load,<br>Z-34/22 DC .....            | 4    |
| 19   | 33952    | Danger - Tilt-Alarm .....                                                                         | 1    | 45   | 82609    | Label - Wheel Load, Z-34/22N .....                 | 4    |
| 20   | 35542    | Notice - Tire Specifications,<br>Z-34/22N .....                                                   | 4    | 46   | 97890    | Danger - Safety Rules .....                        | 2    |
| 21   | 37052    | Notice - Maximum Load,<br>500 lbs / 227 kg .....                                                  | 1    | 47   | 97893    | Notice - Max Side Force,<br>150 lbs / 667 N .....  | 1    |
| 22   | 37053    | Arrow - Blue .....                                                                                | 1    | 48   | 114224   | Relay Panel .....                                  | 1    |
| 23   | 37054    | Arrow - Yellow .....                                                                              | 1    | 49   | 1000043  | Notice - Operating Instructions,<br>Platform ..... | 1    |
| 24   | 37055    | Triangle - Blue .....                                                                             | 2    |      |          |                                                    |      |
| 25   | 37056    | Triangle - Yellow .....                                                                           | 2    |      |          |                                                    |      |



| Figure | Rev | Description                                                                                          |
|--------|-----|------------------------------------------------------------------------------------------------------|
| 103.1  | B   | Symbol Decals (from serial number 4260 to 5504, Z-34/22N and serial number 3578 to 4684, Z-34/22 DC) |



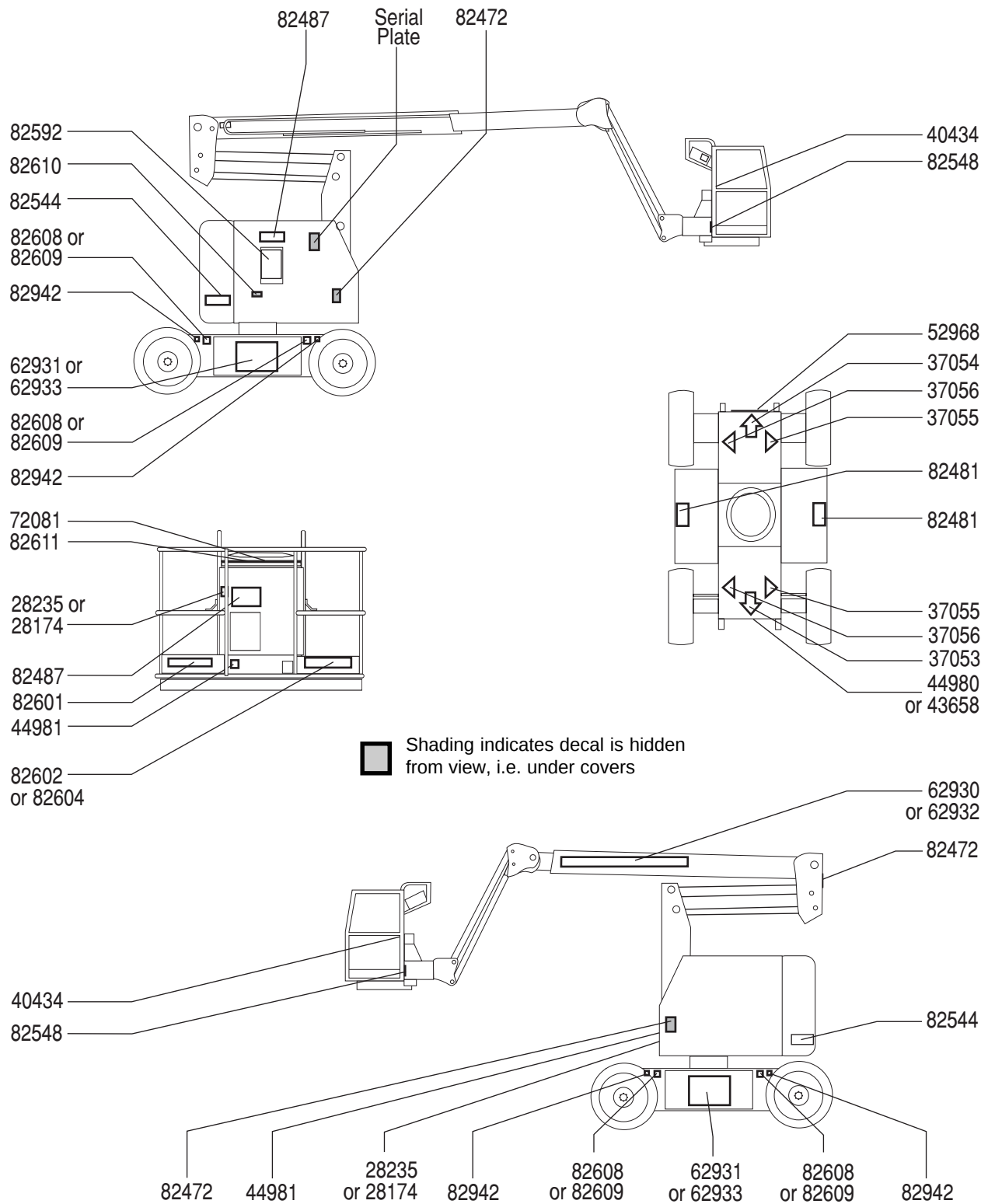
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103.1

Symbol Decals (from serial number 4260 to 5504, Z-34/22N and 3578 to 4684, Z-34/22 DC) Rev B

| Item | Part No. | Decal Description                                                            | Qty. | Item | Part No. | Description                                     | Qty. |
|------|----------|------------------------------------------------------------------------------|------|------|----------|-------------------------------------------------|------|
| —    | 106058   | Decal Kit - Safety/Instructional<br>(includes items 3-7, 17-21<br>and 26-29) |      | 26   | 82608    | Label - Wheel Load,<br>Z-34/22 DC .....         | 4    |
| 1    | 28174    | Label - Power to Platform,<br>230V AC .....                                  | 2    | 27   | 82609    | Label - Wheel Load, Z-34/22N .....              | 4    |
| 2    | 28235    | Label - Power to Platform,<br>115V AC .....                                  | 2    | 28   | 82610    | Label - Circuit Breaker<br>& Status Light ..... | 1    |
| 3    | 37053    | Arrow - Blue .....                                                           | 1    | 29   | 82611    | Label - Drive Enable Patch .....                | 1    |
| 4    | 37054    | Arrow - Yellow .....                                                         | 1    |      |          |                                                 |      |
| 5    | 37055    | Triangle- Blue .....                                                         | 2    |      |          |                                                 |      |
| 6    | 37056    | Triangle - Yellow .....                                                      | 2    |      |          |                                                 |      |
| 7    | 40434    | Label - Lanyard Anchorage .....                                              | 2    |      |          |                                                 |      |
| 8    | 43658    | Label - Power to Charger,<br>230V AC .....                                   | 1    |      |          |                                                 |      |
| 9    | 44980    | Label - Power to Charger,<br>115V AC .....                                   | 1    |      |          |                                                 |      |
| 10   | 44981    | Label - Air Line to Platform .....                                           | 2    |      |          |                                                 |      |
| 11   | 52968    | Cosmetic - Genie Boom .....                                                  | 1    |      |          |                                                 |      |
| 12   | 62930    | Cosmetic - Genie Z-34/22 .....                                               | 1    |      |          |                                                 |      |
| 13   | 62931    | Cosmetic -<br>Genie Z-34/22 DC Power .....                                   | 2    |      |          |                                                 |      |
| 14   | 62932    | Cosmetic - Genie Z-34/22N .....                                              | 1    |      |          |                                                 |      |
| 15   | 62933    | Cosmetic - Genie Z-34/22N .....                                              | 2    |      |          |                                                 |      |
| 16   | 72081    | Platform Control Panel .....                                                 | 1    |      |          |                                                 |      |
| 17   | 82472    | Warning - Crushing Hazard .....                                              | 3    |      |          |                                                 |      |
| 18   | 82481    | Danger - Battery Safety .....                                                | 2    |      |          |                                                 |      |
| 19   | 82487    | Label - Read the Manual .....                                                | 2    |      |          |                                                 |      |
| 20   | 82548    | Warning - Platform Rotate .....                                              | 2    |      |          |                                                 |      |
| 21   | 82544    | Danger - Electrocution Hazard .....                                          | 2    |      |          |                                                 |      |
| 22   | 82592    | Ground Control Panel .....                                                   | 1    |      |          |                                                 |      |
| 23   | 82601    | Danger - Maximum Capacity,<br>227 kg .....                                   | 1    |      |          |                                                 |      |
| 24   | 82602    | Danger - Maximum Manual<br>Force, 667 N .....                                | 1    |      |          |                                                 |      |
| 25   | 82604    | Danger - Maximum Manual<br>Force, 400 N .....                                | 1    |      |          |                                                 |      |

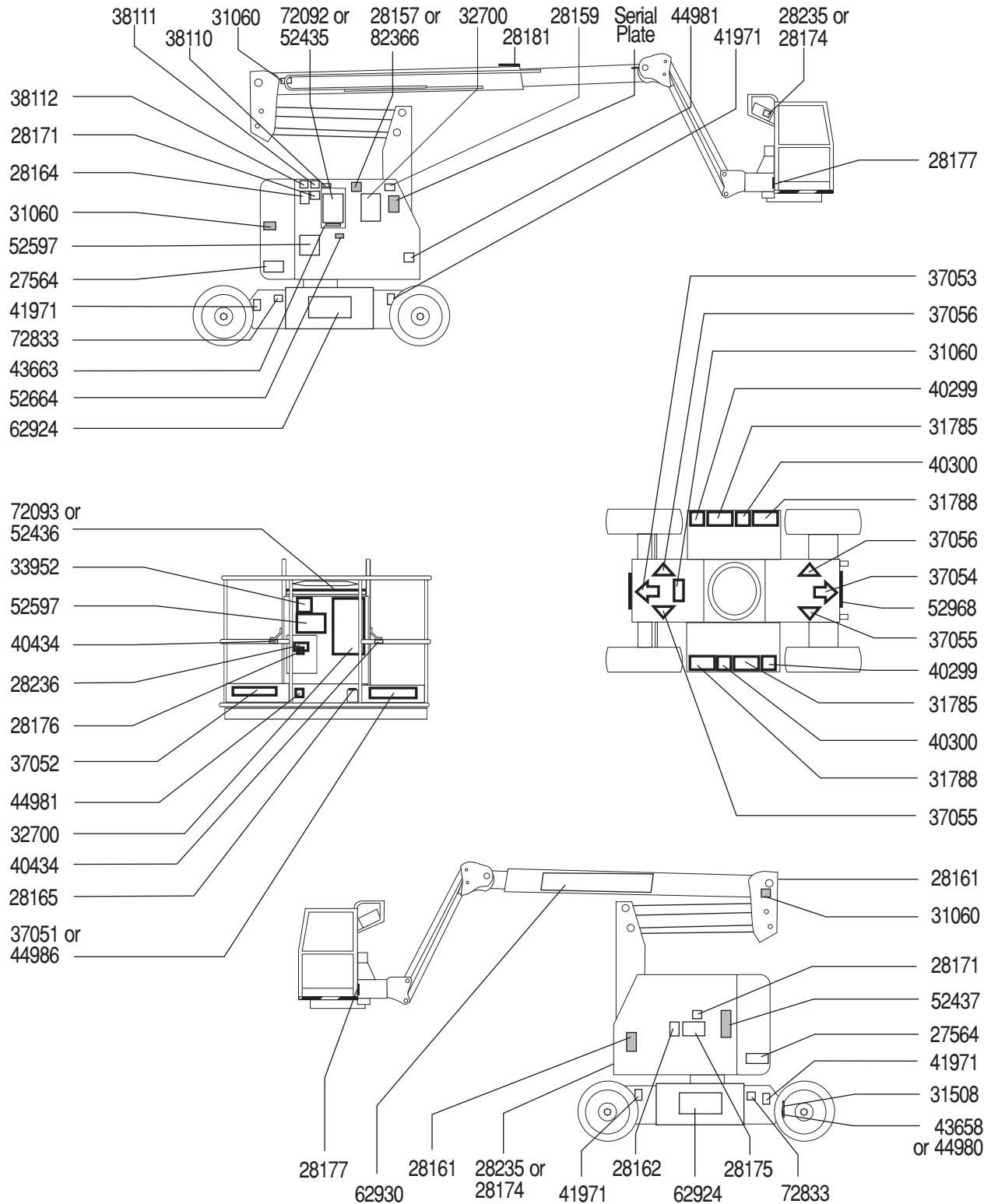
| Figure | Rev | Description                                                             |
|--------|-----|-------------------------------------------------------------------------|
| 103.2  | A   | Symbol Decals (after serial number 5504, Z-34/22N and 4684, Z-34/22 DC) |



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| Item | Part No. | Decal Description                                                            | Qty. | Item | Part No. | Description                                     | Qty. |
|------|----------|------------------------------------------------------------------------------|------|------|----------|-------------------------------------------------|------|
| —    | 119420   | Decal Kit - Safety/Instructional<br>(includes items 3-7, 17-21<br>and 26-30) |      | 26   | 82608    | Label - Wheel Load,<br>Z-34/22 DC .....         | 4    |
| 1    | 28174    | Label - Power to Platform,<br>230V AC .....                                  | 2    | 27   | 82609    | Label - Wheel Load, Z-34/22N .....              | 4    |
| 2    | 28235    | Label - Power to Platform,<br>115V AC .....                                  | 2    | 28   | 82610    | Label - Circuit Breaker<br>& Status Light ..... | 1    |
| 3    | 37053    | Arrow - Blue .....                                                           | 1    | 29   | 82611    | Label - Drive Enable Patch .....                | 1    |
| 4    | 37054    | Arrow - Yellow .....                                                         | 1    | 30   | 82942    | Label - Tire Pressure,<br>Z34/22DC .....        | 4    |
| 5    | 37055    | Triangle- Blue .....                                                         | 2    |      |          |                                                 |      |
| 6    | 37056    | Triangle - Yellow .....                                                      | 2    |      |          |                                                 |      |
| 7    | 40434    | Label - Lanyard Anchorage .....                                              | 2    |      |          |                                                 |      |
| 8    | 43658    | Label - Power to Charger,<br>230V AC .....                                   | 1    |      |          |                                                 |      |
| 9    | 44980    | Label - Power to Charger,<br>115V AC .....                                   | 1    |      |          |                                                 |      |
| 10   | 44981    | Label - Air Line to Platform .....                                           | 2    |      |          |                                                 |      |
| 11   | 52968    | Cosmetic - Genie Boom .....                                                  | 1    |      |          |                                                 |      |
| 12   | 62930    | Cosmetic - Genie Z-34/22 .....                                               | 1    |      |          |                                                 |      |
| 13   | 62931    | Cosmetic -<br>Genie Z-34/22 DC Power .....                                   | 2    |      |          |                                                 |      |
| 14   | 62932    | Cosmetic - Genie Z-34/22N .....                                              | 1    |      |          |                                                 |      |
| 15   | 62933    | Cosmetic - Genie Z-34/22N .....                                              | 2    |      |          |                                                 |      |
| 16   | 72081    | Platform Control Panel .....                                                 | 1    |      |          |                                                 |      |
| 17   | 82472    | Warning - Crushing Hazard .....                                              | 3    |      |          |                                                 |      |
| 18   | 82481    | Danger - Battery Safety .....                                                | 2    |      |          |                                                 |      |
| 19   | 82487    | Label - Read the Manual .....                                                | 2    |      |          |                                                 |      |
| 20   | 82548    | Warning - Platform Rotate .....                                              | 2    |      |          |                                                 |      |
| 21   | 82544    | Danger - Electrocution Hazard .....                                          | 2    |      |          |                                                 |      |
| 22   | 82592    | Ground Control Panel .....                                                   | 1    |      |          |                                                 |      |
| 23   | 82601    | Danger - Maximum Capacity,<br>227 kg .....                                   | 1    |      |          |                                                 |      |
| 24   | 82602    | Danger - Maximum Manual<br>Force, 667 N .....                                | 1    |      |          |                                                 |      |
| 25   | 82604    | Danger - Maximum Manual<br>Force, 400 N .....                                | 1    |      |          |                                                 |      |

| Figure | Rev | Description                                           |
|--------|-----|-------------------------------------------------------|
| 104.1  | A   | Decals (before serial number 3578, Z-34/22 Bi-Energy) |



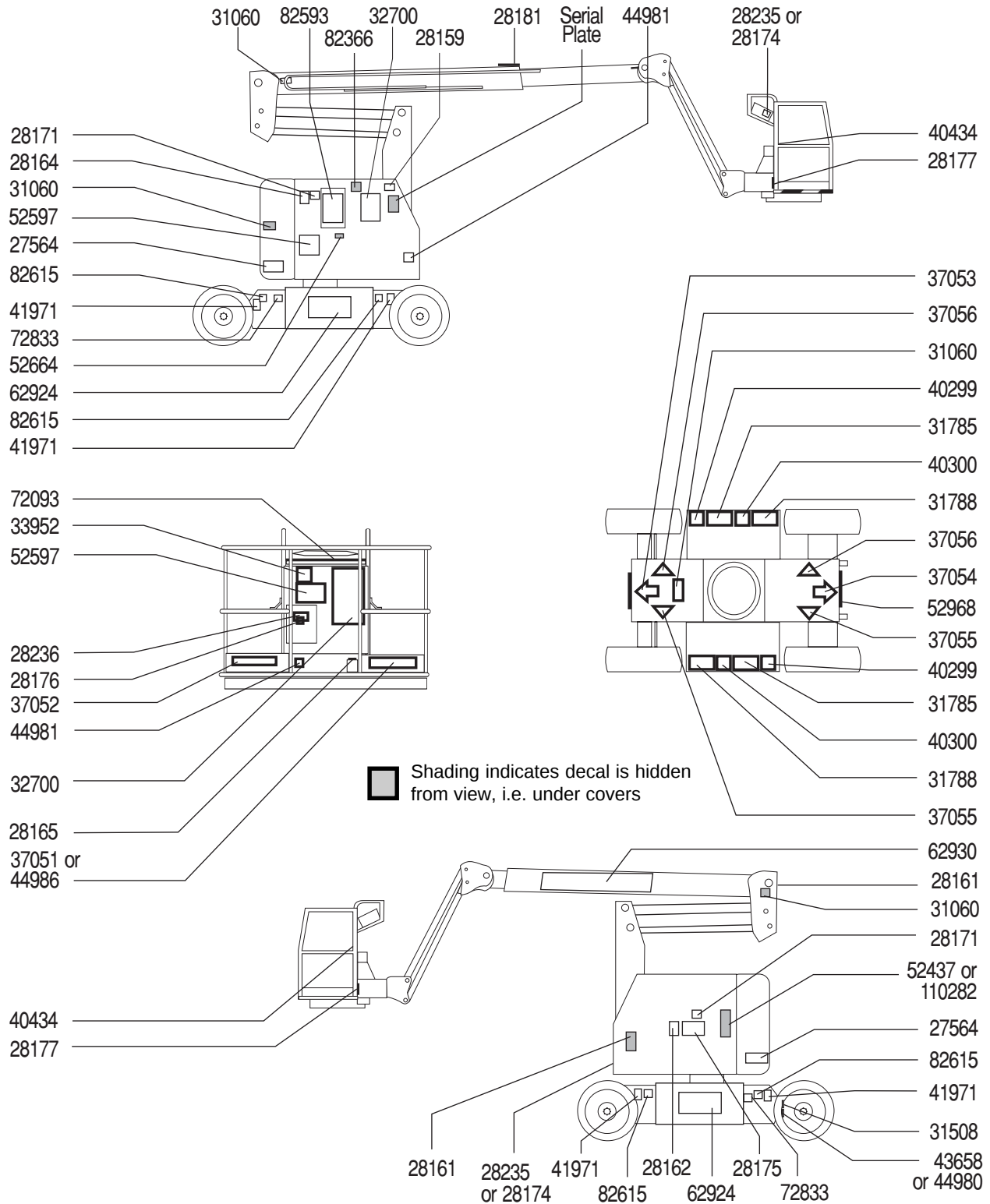
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104.1  
Decals (before serial number 3578, Z-34/22 Bi-Energy) Rev A

| Item | Part No. | Description                                                                                              | Qty. | Item | Part No. | Description                                        | Qty. |
|------|----------|----------------------------------------------------------------------------------------------------------|------|------|----------|----------------------------------------------------|------|
| —    | 52438    | Decal Kit - Safety/Instructional<br>(includes items 1-8, 10-13, 15-21,<br>24-27, 31-34, 42-44 and 49-51) |      | 28   | 38110    | Label - Travel Alarm .....                         | 1    |
| 1    | 27564    | Danger - Electrocution Hazard .....                                                                      | 2    | 29   | 38111    | Warning - Brake Release .....                      | 1    |
| 2    | 28157    | Label - Dexron .....                                                                                     | 1    | 30   | 38112    | Caution - Collision Hazard .....                   | 1    |
| 3    | 28159    | Label - Diesel .....                                                                                     | 1    | 31   | 40299    | Notice - Battery Connection<br>Diagram .....       | 2    |
| 4    | 28161    | Danger - Crushing Hazard .....                                                                           | 3    | 32   | 40300    | Danger - Tip-over Hazard .....                     | 2    |
| 5    | 28162    | Warning - Bodily Injury Hazard .....                                                                     | 1    | 33   | 40434    | Label - Lanyard Anchorage .....                    | 2    |
| 6    | 28164    | Notice - Hazardous Materials .....                                                                       | 1    | 34   | 41971    | Label - Tire Pressure .....                        | 4    |
| 7    | 28165    | Notice - Foot Switch .....                                                                               | 1    | 35   | 43658    | Power to Charger, 230V AC .....                    | 1    |
| 8    | 28171    | Label - No Smoking .....                                                                                 | 2    | 36   | 43663    | Notice - Function Enable .....                     | 1    |
| 9    | 28174    | Label - Power to Platform,<br>230V AC .....                                                              | 2    | 37   | 44980    | Power to Charger, 115V AC .....                    | 1    |
| 10   | 28175    | Caution - Compartment Access .....                                                                       | 1    | 38   | 44981    | Label - Airline to Platform .....                  | 2    |
| 11   | 28176    | Notice - Missing Manuals .....                                                                           | 1    | 39   | 44986    | Notice - Max Manual Force,<br>90 lbs / 400 N ..... | 1    |
| 12   | 28177    | Warning - Platform Rotate .....                                                                          | 2    | 40   | 52435    | Ground Control Panel .....                         | 1    |
| 13   | 28181    | Warning - No Step or Ride .....                                                                          | 1    | 41   | 52436    | Platform Control Panel .....                       | 1    |
| 14   | 28235    | Label - Power to Platform,<br>115V AC .....                                                              | 2    | 42   | 52437    | Notice - Kubota Diesel<br>Specifications .....     | 1    |
| 15   | 28236    | Warning - Failure To Read . . . ..                                                                       | 1    | 43   | 52597    | Notice - Operating Instructions .....              | 2    |
| 16   | 31060    | Danger - Tip-over Hazard,<br>Interlock .....                                                             | 4    | 44   | 52664    | Label - Controller Status Indicator<br>Light ..... | 1    |
| 17   | 31508    | Notice - Power to Charger .....                                                                          | 1    | 45   | 52968    | Cosmetic - Genie Boom .....                        | 1    |
| 18   | 31785    | Notice - Battery Charger<br>Instructions .....                                                           | 2    | 46   | 62924    | Cosmetic - Genie Z-34/22<br>Bi-Energy .....        | 2    |
| 19   | 31788    | Danger - Battery/Charger Safety ..                                                                       | 2    | 47   | 62930    | Cosmetic - Genie Z-34/22 .....                     | 1    |
| 20   | 32700    | Danger - Safety Rules .....                                                                              | 2    | 48   | 72092    | Ground Control Panel .....                         | 1    |
| 21   | 33952    | Danger - Tilt-Alarm .....                                                                                | 1    | 49   | 72093    | Platform Control Panel .....                       | 1    |
| 22   | 37051    | Notice - Max Side Force,<br>150 lbs / 667 N .....                                                        | 1    | 50   | 72833    | Label - Open .....                                 | 2    |
| 23   | 37052    | Notice - Maximum Load,<br>500 lbs / 227 kg .....                                                         | 1    | 51   | 82366    | Label - Chevron Rykon .....                        | 1    |
| 24   | 37053    | Arrow - Blue .....                                                                                       | 1    |      |          |                                                    |      |
| 25   | 37054    | Arrow - Yellow .....                                                                                     | 1    |      |          |                                                    |      |
| 26   | 37055    | Triangle- Blue .....                                                                                     | 2    |      |          |                                                    |      |
| 27   | 37056    | Triangle - Yellow .....                                                                                  | 2    |      |          |                                                    |      |



| Figure | Rev | Description                                                      |
|--------|-----|------------------------------------------------------------------|
| 105.1  | B   | Word Decals (from serial number 3578 to 4684, Z-34/22 Bi-Energy) |



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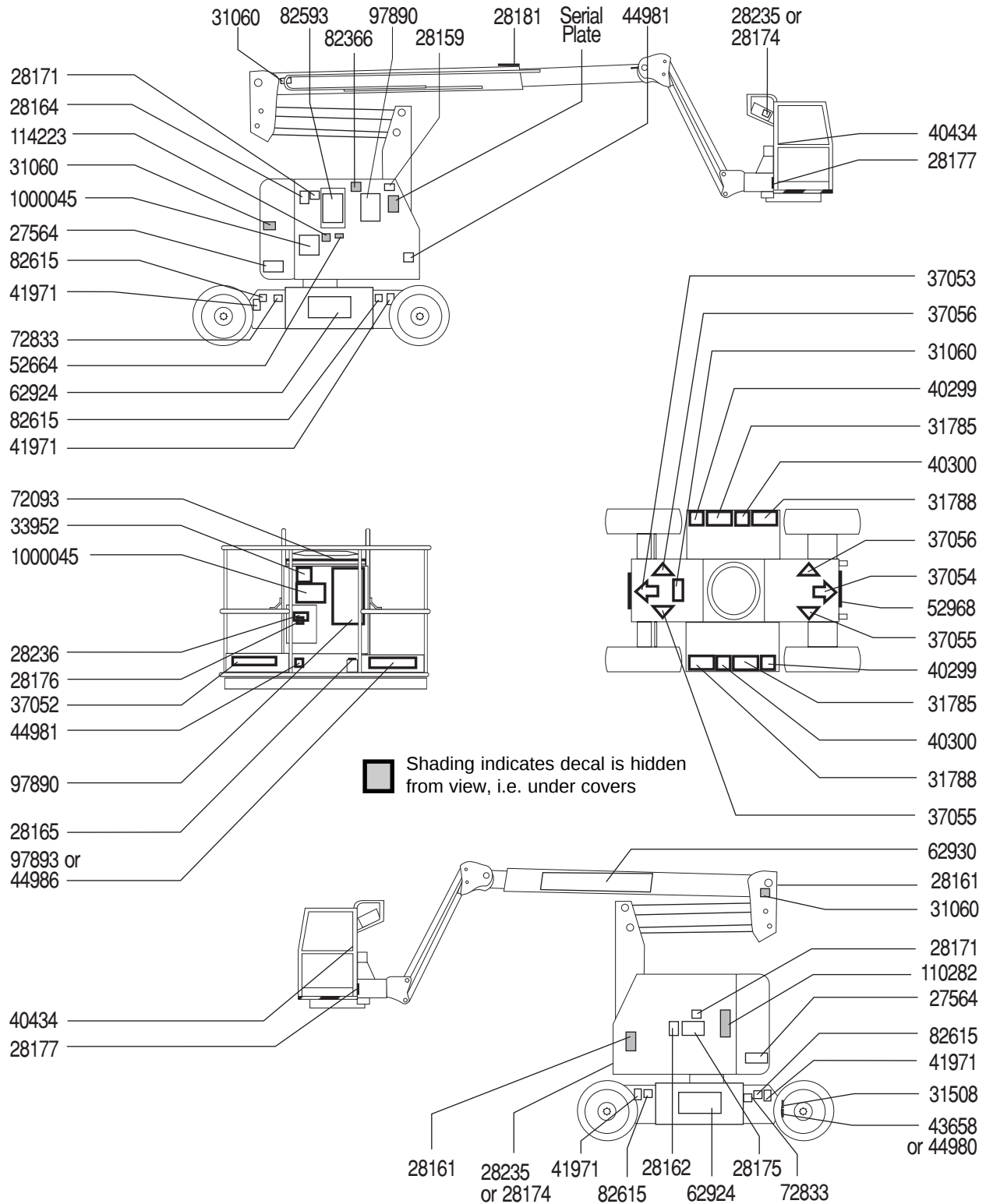
105.1

Word Decals (from serial number 3578 to 4684, Z-34/22 Bi-Energy) Rev B

| Item | Part No. | Description                                                                                 | Qty. | Item | Part No. | Description                                                                          | Qty. |
|------|----------|---------------------------------------------------------------------------------------------|------|------|----------|--------------------------------------------------------------------------------------|------|
| —    | 106059   | Decal Kit - Safety/Instructional<br>(includes items 1-12, 14-20,<br>23-30, 35-37 and 41-45) |      | 27   | 40299    | Notice - Battery Connection<br>Diagram .....                                         | 2    |
| 1    | 27564    | Danger - Electrocution Hazard .....                                                         | 2    | 28   | 40300    | Danger - Tip-over Hazard .....                                                       | 2    |
| 2    | 28159    | Label - Diesel .....                                                                        | 1    | 29   | 40434    | Label - Lanyard Anchorage .....                                                      | 2    |
| 3    | 28161    | Warning - Crushing Hazard .....                                                             | 3    | 30   | 41971    | Notice - Tire Pressure .....                                                         | 4    |
| 4    | 28162    | Warning - Bodily Injury Hazard .....                                                        | 1    | 31   | 43658    | Label - Power to Charger,<br>230V AC .....                                           | 1    |
| 5    | 28164    | Notice - Hazardous Materials .....                                                          | 1    | 32   | 44980    | Label - Power to Charger,<br>115V AC .....                                           | 1    |
| 6    | 28165    | Notice - Foot Switch .....                                                                  | 1    | 33   | 44981    | Label - Air Line to Platform .....                                                   | 2    |
| 7    | 28171    | Label - No Smoking .....                                                                    | 2    | 34   | 44986    | Notice - Max Manual Force,<br>90 lbs / 400 N .....                                   | 1    |
| 8    | 28174    | Label - Power to Platform,<br>230V AC .....                                                 | 2    | 35   | 52437    | Notice - Kubota Diesel<br>Engine Specifications (before<br>serial number 4474) ..... | 1    |
| 9    | 28175    | Caution - Compartment Access ...                                                            | 1    | —    | 110282   | Notice - Kubota Diesel<br>Engine Specifications (after<br>serial number 4473) .....  | 1    |
| 10   | 28176    | Notice - Missing Manuals .....                                                              | 1    | 36   | 52597    | Notice - Operating Instructions .....                                                | 2    |
| 11   | 28177    | Warning - Platform Rotate .....                                                             | 2    | 37   | 52664    | Label - Controller Status<br>Indicator Light .....                                   | 1    |
| 12   | 28181    | Warning - No Step or Ride .....                                                             | 1    | 38   | 52968    | Cosmetic - Genie Boom .....                                                          | 1    |
| 13   | 28235    | Label - Power to Platform,<br>115V AC .....                                                 | 2    | 39   | 62924    | Cosmetic - Genie Z-34/22<br>Bi-Energy .....                                          | 2    |
| 14   | 28236    | Warning - Failure To Read . . .                                                             | 1    | 40   | 62930    | Cosmetic - Genie Z-34/22 .....                                                       | 1    |
| 15   | 31060    | Danger - Tip-over Hazard,<br>Interlock .....                                                | 4    | 41   | 72093    | Platform Control Panel .....                                                         | 1    |
| 16   | 31508    | Notice - Power to Charger .....                                                             | 1    | 42   | 72833    | Label - Open .....                                                                   | 2    |
| 17   | 31785    | Notice - Battery Charger<br>Instructions .....                                              | 2    | 43   | 82366    | Label - Chevron Rykon .....                                                          | 1    |
| 18   | 31788    | Danger - Battery/Charger Safety ..                                                          | 2    | 44   | 82593    | Ground Control Panel .....                                                           | 1    |
| 19   | 32700    | Danger - Safety Rules .....                                                                 | 2    | 45   | 82615    | Label - Wheel Load .....                                                             | 4    |
| 20   | 33952    | Danger - Tilt-Alarm .....                                                                   | 1    |      |          |                                                                                      |      |
| 21   | 37051    | Notice - Max Side Force,<br>150 lbs / 667 N .....                                           | 1    |      |          |                                                                                      |      |
| 22   | 37052    | Notice - Maximum Load,<br>500 lbs / 227 kg .....                                            | 1    |      |          |                                                                                      |      |
| 23   | 37053    | Arrow - Blue .....                                                                          | 1    |      |          |                                                                                      |      |
| 24   | 37054    | Arrow - Yellow .....                                                                        | 1    |      |          |                                                                                      |      |
| 25   | 37055    | Triangle- Blue .....                                                                        | 2    |      |          |                                                                                      |      |
| 26   | 37056    | Triangle - Yellow .....                                                                     | 2    |      |          |                                                                                      |      |



| Figure | Rev | Description                                               |
|--------|-----|-----------------------------------------------------------|
| 105.2  | B   | Word Decals (after serial number 4684, Z-34/22 Bi-Energy) |



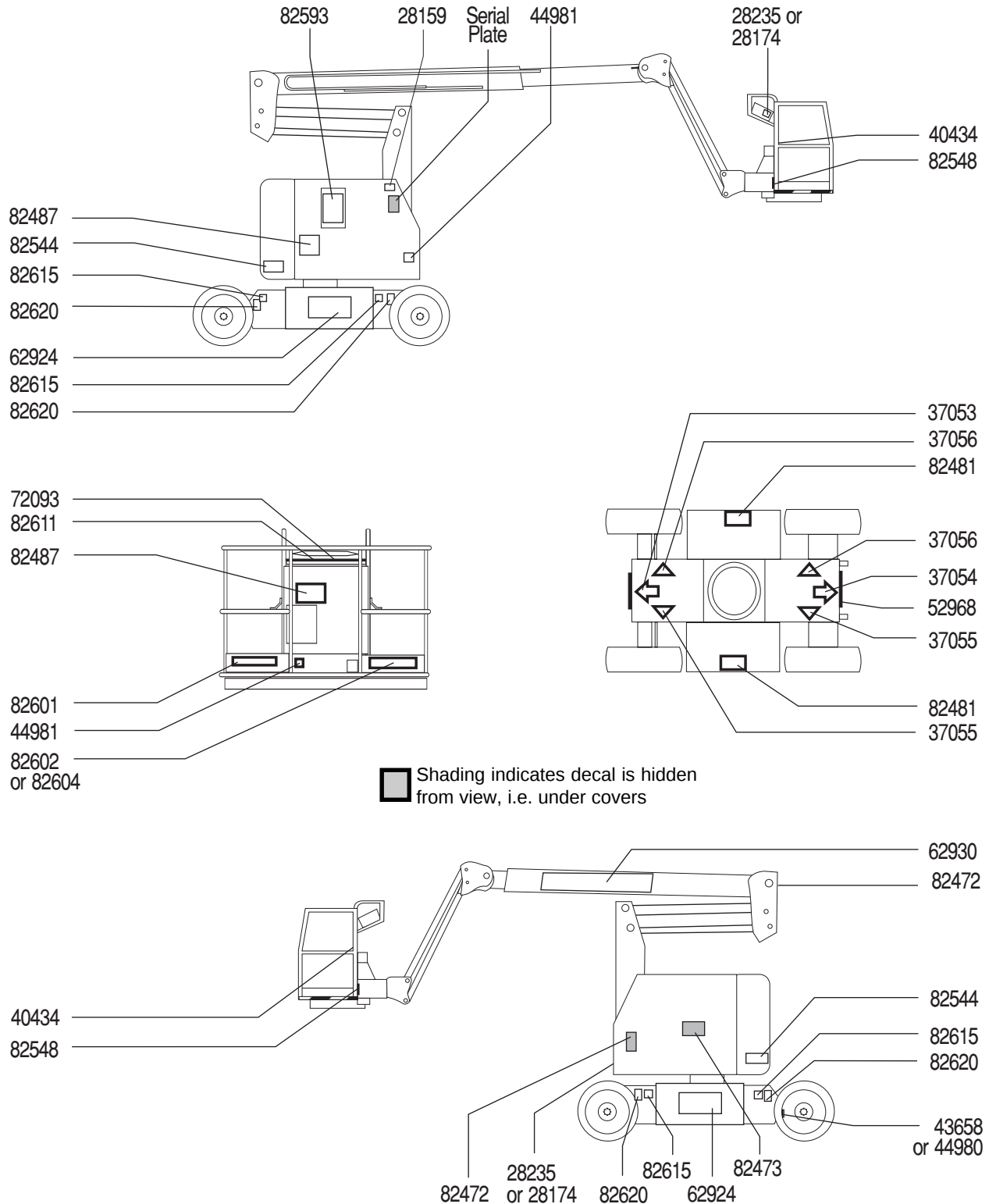
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105.2  
Word Decals (after serial number 4684, Z-34/22 Bi-Energy) Rev B

| Item | Part No. | Description                                                                              | Qty. | Item | Part No. | Description                                           | Qty. |
|------|----------|------------------------------------------------------------------------------------------|------|------|----------|-------------------------------------------------------|------|
| —    | 119421   | Decal Kit - Safety/Instructional<br>(includes items 1-12, 14-19,<br>21-28, 33 and 37-45) |      | 26   | 40299    | Notice - Battery Connection<br>Diagram .....          | 2    |
| 1    | 27564    | Danger - Electrocution Hazard .....                                                      | 2    | 27   | 40434    | Label - Lanyard Anchorage .....                       | 2    |
| 2    | 28159    | Label - Diesel .....                                                                     | 1    | 28   | 41971    | Notice - Tire Pressure .....                          | 4    |
| 3    | 28161    | Warning - Crushing Hazard .....                                                          | 3    | 29   | 43658    | Label - Power to Charger,<br>230V AC .....            | 1    |
| 4    | 28162    | Warning - Bodily Injury Hazard .....                                                     | 1    | 30   | 44980    | Label - Power to Charger,<br>115V AC .....            | 1    |
| 5    | 28164    | Notice - Hazardous Materials .....                                                       | 1    | 31   | 44981    | Label - Air Line to Platform .....                    | 2    |
| 6    | 28165    | Notice - Foot Switch .....                                                               | 1    | 32   | 44986    | Notice - Max Manual Force,<br>90 lbs / 400 N .....    | 1    |
| 7    | 28171    | Label - No Smoking .....                                                                 | 2    | 33   | 52664    | Label - Controller Status<br>Indicator Light .....    | 1    |
| 8    | 28174    | Label - Power to Platform,<br>230V AC .....                                              | 2    | 34   | 52968    | Cosmetic - Genie Boom .....                           | 1    |
| 9    | 28175    | Caution - Compartment Access .....                                                       | 1    | 35   | 62924    | Cosmetic - Genie Z-34/22<br>Bi-Energy .....           | 2    |
| 10   | 28176    | Notice - Missing Manuals .....                                                           | 1    | 36   | 62930    | Cosmetic - Genie Z-34/22 .....                        | 1    |
| 11   | 28177    | Warning - Platform Rotate .....                                                          | 2    | 37   | 72093    | Platform Control Panel .....                          | 1    |
| 12   | 28181    | Warning - No Step or Ride .....                                                          | 1    | 38   | 72833    | Label - Open .....                                    | 2    |
| 13   | 28235    | Label - Power to Platform,<br>115V AC .....                                              | 2    | 39   | 82366    | Label - Chevron Rykon .....                           | 1    |
| 14   | 28236    | Warning - Failure To Read . . . . .                                                      | 1    | 40   | 82593    | Ground Control Panel .....                            | 1    |
| 15   | 31060    | Danger - Tip-over Hazard,<br>Interlock .....                                             | 4    | 41   | 82615    | Label - Wheel Load .....                              | 4    |
| 16   | 31508    | Notice - Power to Charger .....                                                          | 1    | 42   | 97890    | Danger - Safety Rules .....                           | 2    |
| 17   | 31785    | Notice - Battery Charger<br>Instructions .....                                           | 2    | 43   | 97893    | Notice - Max Side Force,<br>150 lbs / 667 N .....     | 1    |
| 18   | 31788    | Danger - Battery/Charger Safety ..                                                       | 2    | 44   | 110282   | Notice - Kubota Diesel<br>Engine Specifications ..... | 1    |
| 19   | 33952    | Danger - Tilt-Alarm .....                                                                | 1    | 45   | 114223   | Relay Panel .....                                     | 1    |
| 20   | 37052    | Notice - Maximum Load,<br>500 lbs / 227 kg .....                                         | 1    | 46   | 1000045  | Notice - Operating Instructions .....                 | 2    |
| 21   | 37053    | Arrow - Blue .....                                                                       | 1    |      |          |                                                       |      |
| 22   | 37054    | Arrow - Yellow .....                                                                     | 1    |      |          |                                                       |      |
| 23   | 37055    | Triangle- Blue .....                                                                     | 2    |      |          |                                                       |      |
| 24   | 37056    | Triangle - Yellow .....                                                                  | 2    |      |          |                                                       |      |
| 25   | 40300    | Danger - Tip-over Hazard .....                                                           | 2    |      |          |                                                       |      |



| Figure | Rev | Description                                                        |
|--------|-----|--------------------------------------------------------------------|
| 106.1  | C   | Symbol Decals (from serial number 3578 to 4684, Z-34/22 Bi-Energy) |



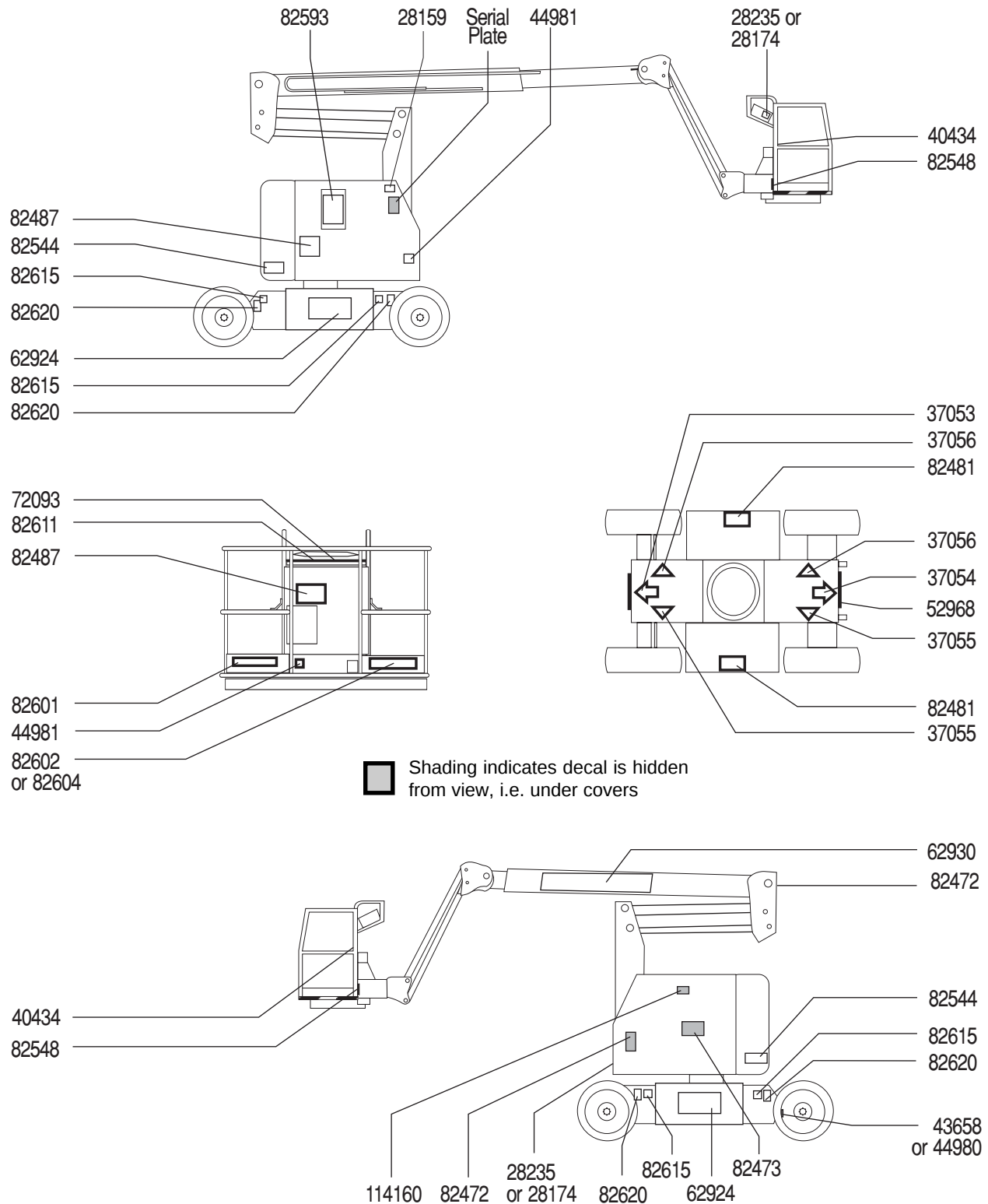
**Genie**  
A TEREX COMPANY

106.1

Symbol Decals (from serial number 3578 to 4684, Z-34/22 Bi-Energy) Rev C

| Item | Part No. | Description                                                                     | Qty. | Item | Part No. | Description                               | Qty. |
|------|----------|---------------------------------------------------------------------------------|------|------|----------|-------------------------------------------|------|
| —    | 106060   | Decal Kit - Safety/Instructional<br>(includes items 1, 4-8, 16-22<br>and 26-28) |      | 25   | 82604    | Danger - Max Manual Force,<br>400 N ..... | 1    |
| —    | 97815    | Label - Lower, Midrail .....                                                    | 1    | 26   | 82611    | Label - Drive Enable Patch .....          | 1    |
| 1    | 28159    | Label - Diesel .....                                                            | 1    | 27   | 82615    | Label - Wheel Load .....                  | 4    |
| 2    | 28174    | Label - Power to Platform,<br>230V AC .....                                     | 2    | 28   | 82620    | Label - Tire Pressure .....               | 4    |
| 3    | 28235    | Label - Power to Platform,<br>115V AC .....                                     | 2    |      |          |                                           |      |
| 4    | 37053    | Arrow - Blue .....                                                              | 1    |      |          |                                           |      |
| 5    | 37054    | Arrow - Yellow .....                                                            | 1    |      |          |                                           |      |
| 6    | 37055    | Triangle- Blue .....                                                            | 2    |      |          |                                           |      |
| 7    | 37056    | Triangle - Yellow .....                                                         | 2    |      |          |                                           |      |
| 8    | 40434    | Label - Lanyard Anchorage .....                                                 | 2    |      |          |                                           |      |
| 9    | 43658    | Label - Power to Charger,<br>230V AC .....                                      | 1    |      |          |                                           |      |
| 10   | 44980    | Label - Power to Charger,<br>115V AC .....                                      | 1    |      |          |                                           |      |
| 11   | 44981    | Label - Air Line to Platform .....                                              | 2    |      |          |                                           |      |
| 12   | 52968    | Cosmetic - Genie Boom .....                                                     | 1    |      |          |                                           |      |
| 13   | 62924    | Cosmetic -<br>Genie Z-34/22 Bi-Energy .....                                     | 2    |      |          |                                           |      |
| 14   | 62930    | Cosmetic - Genie Z-34/22 .....                                                  | 1    |      |          |                                           |      |
| 15   | 72093    | Platform Control Panel .....                                                    | 1    |      |          |                                           |      |
| 16   | 82472    | Warning - Crushing Hazard .....                                                 | 3    |      |          |                                           |      |
| 17   | 82473    | Caution - Compartment Access ...                                                | 1    |      |          |                                           |      |
| 18   | 82481    | Danger - Battery/Charger Safety ..                                              | 2    |      |          |                                           |      |
| 19   | 82487    | Label - Read the Manual .....                                                   | 2    |      |          |                                           |      |
| 20   | 82544    | Danger - Electrocution Hazard .....                                             | 2    |      |          |                                           |      |
| 21   | 82548    | Warning - Platform Rotate .....                                                 | 2    |      |          |                                           |      |
| 22   | 82593    | Ground Control Panel .....                                                      | 1    |      |          |                                           |      |
| 23   | 82601    | Danger - Maximum Load,<br>227 kg .....                                          | 1    |      |          |                                           |      |
| 24   | 82602    | Danger - Max Manual Force,<br>667 N .....                                       | 1    |      |          |                                           |      |

| Figure | Rev | Description                                                 |
|--------|-----|-------------------------------------------------------------|
| 106.2  | A   | Symbol Decals (after serial number 4684, Z-34/22 Bi-Energy) |



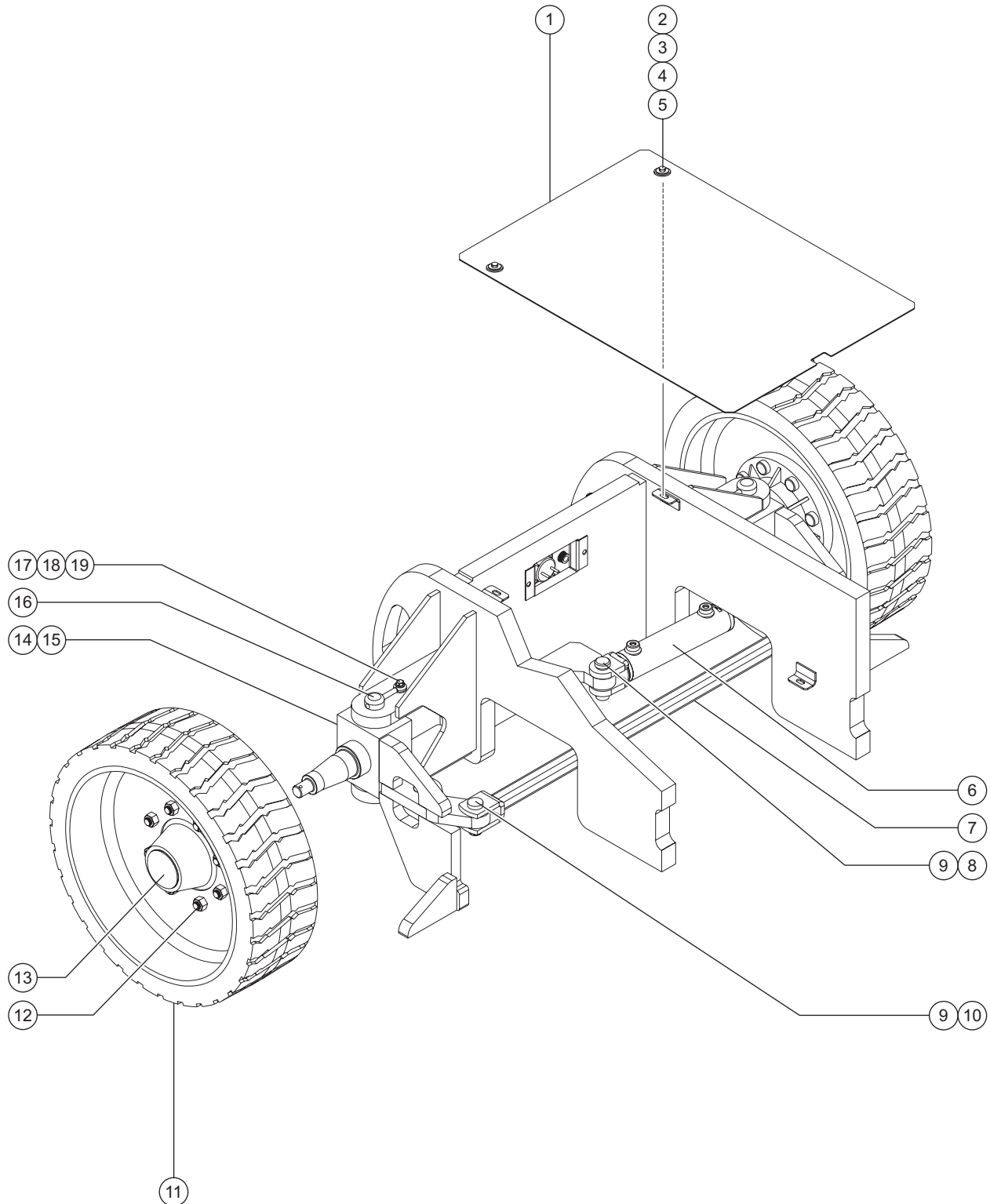
**Genie**  
A TEREX COMPANY

106.2

Symbol Decals (after serial number 4684, Z-34/22 Bi-Energy) Rev A

| Item | Part No. | Description                                                                     | Qty. | Item | Part No. | Description                               | Qty. |
|------|----------|---------------------------------------------------------------------------------|------|------|----------|-------------------------------------------|------|
| —    | 119422   | Decal Kit - Safety/Instructional<br>(includes items 1, 4-8, 16-22<br>and 26-29) |      | 25   | 82604    | Danger - Max Manual Force,<br>400 N ..... | 1    |
| —    | 97815    | Label - Lower, Midrail .....                                                    | 1    | 26   | 82611    | Label - Drive Enable Patch .....          | 1    |
| 1    | 28159    | Label - Diesel .....                                                            | 1    | 27   | 82615    | Label - Wheel Load .....                  | 4    |
| 2    | 28174    | Label - Power to Platform,<br>230V AC .....                                     | 2    | 28   | 82620    | Label - Tire Pressure .....               | 4    |
| 3    | 28235    | Label - Power to Platform,<br>115V AC .....                                     | 2    | 29   | 114160   | Label - Decibel Rating, 102 dB .....      | 1    |
| 4    | 37053    | Arrow - Blue .....                                                              | 1    |      |          |                                           |      |
| 5    | 37054    | Arrow - Yellow .....                                                            | 1    |      |          |                                           |      |
| 6    | 37055    | Triangle- Blue .....                                                            | 2    |      |          |                                           |      |
| 7    | 37056    | Triangle - Yellow .....                                                         | 2    |      |          |                                           |      |
| 8    | 40434    | Label - Lanyard Anchorage .....                                                 | 2    |      |          |                                           |      |
| 9    | 43658    | Label - Power to Charger,<br>230V AC .....                                      | 1    |      |          |                                           |      |
| 10   | 44980    | Label - Power to Charger,<br>115V AC .....                                      | 1    |      |          |                                           |      |
| 11   | 44981    | Label - Air Line to Platform .....                                              | 2    |      |          |                                           |      |
| 12   | 52968    | Cosmetic - Genie Boom .....                                                     | 1    |      |          |                                           |      |
| 13   | 62924    | Cosmetic -<br>Genie Z-34/22 Bi-Energy .....                                     | 2    |      |          |                                           |      |
| 14   | 62930    | Cosmetic - Genie Z-34/22 .....                                                  | 1    |      |          |                                           |      |
| 15   | 72093    | Platform Control Panel .....                                                    | 1    |      |          |                                           |      |
| 16   | 82472    | Warning - Crushing Hazard .....                                                 | 3    |      |          |                                           |      |
| 17   | 82473    | Caution - Compartment Access .....                                              | 1    |      |          |                                           |      |
| 18   | 82481    | Danger - Battery/Charger Safety ..                                              | 2    |      |          |                                           |      |
| 19   | 82487    | Label - Read the Manual .....                                                   | 2    |      |          |                                           |      |
| 20   | 82544    | Danger - Electrocution Hazard .....                                             | 2    |      |          |                                           |      |
| 21   | 82548    | Warning - Platform Rotate .....                                                 | 2    |      |          |                                           |      |
| 22   | 82593    | Ground Control Panel .....                                                      | 1    |      |          |                                           |      |
| 23   | 82601    | Danger - Maximum Load,<br>227 kg .....                                          | 1    |      |          |                                           |      |
| 24   | 82602    | Danger - Max Manual Force,<br>667 N .....                                       | 1    |      |          |                                           |      |

| Figure | Rev | Description |
|--------|-----|-------------|
| 201.1  | B   | Steer End   |



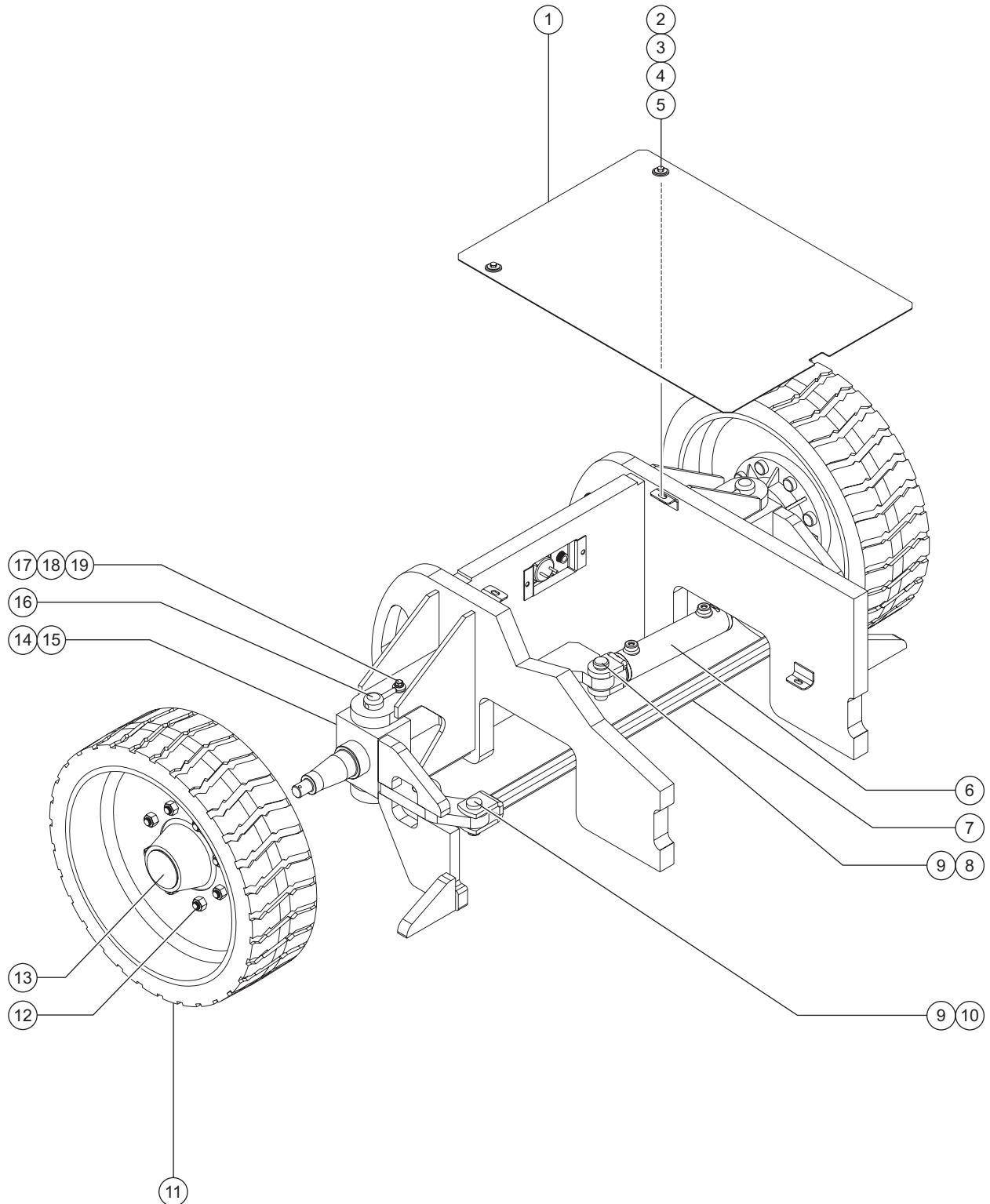
201.1  
Steer End Rev B

| Item             | Part No. | Description                                                                                            | Qty. | Item                               | Part No. | Description                                                                            | Qty. |
|------------------|----------|--------------------------------------------------------------------------------------------------------|------|------------------------------------|----------|----------------------------------------------------------------------------------------|------|
| —                | 39541    | Ground Strap, 12 inches                                                                                |      | <b>Z-34/22 DC &amp; Bi-Energy:</b> |          |                                                                                        |      |
| 1                | 40438    | Cover Assembly with<br>Word Decals .....                                                               | 1    | 11                                 | 45093    | Tire and Wheel Assembly,<br>Air Filled .....                                           | 2    |
| —                | 106053   | Cover Assembly with<br>Symbol Decals .....                                                             | —    | —                                  | 40137    | Tire and Wheel Assembly,<br>Non-Marking, Air Filled                                    |      |
| 2                | 6888     | Screw-HHC, 1/4 -20 x 1 inch                                                                            |      | —                                  | 45460    | Tire and Wheel Assembly,<br>Foam Filled                                                |      |
| 3                | 6356     | Lock Washer, 1/4 inch                                                                                  |      | —                                  | 42125    | Tire and Wheel Assembly,<br>Engine Side, Rough Terrain<br>(Z-34/22 Bi-Energy)          |      |
| 4                | 6638     | Flat Washer, 1/4 inch                                                                                  |      | —                                  | 42149    | Tire and Wheel Assembly,<br>Ground Controls Side, Rough<br>Terrain (Z-34/22 Bi-Energy) |      |
| 5                | 25969    | Spring Clip Nut, 1/4 -20                                                                               |      | —                                  | 45040    | Industrial Wheel,<br>14.5 x 7 inches                                                   |      |
| 6                | 88337    | Steer Cylinder .....                                                                                   | 1    | —                                  | 45042    | Industrial Tire, 9 x 14.5 LT                                                           |      |
| —                | 88338    | Seal Kit (after serial number<br>4070, Z-34/22N and 3422,<br>Z-34/22 DC & Bi-Energy)                   |      | —                                  | 40135    | Industrial Tire, Non-Marking,<br>9 x 14.5 LT                                           |      |
| —                | 48401    | Seal Kit (from serial number<br>3950 to 4069, Z-34/22N and<br>3296 to 3423, Z-34/22 DC &<br>Bi-Energy) |      | —                                  | 42143    | Rough Terrain Tire, SGL,<br>SS10-16.5, 6 Ply                                           |      |
| —                | 59169    | Seal Kit (from serial number<br>2961 to 3949, Z-34/22N and<br>2166 to 3295, Z-34/22 DC &<br>Bi-Energy) |      | 12                                 | 54627    | Lug Nut, 90°, 5/8 -18 .....                                                            | 18   |
| —                | 59076    | Seal kit (before serial number<br>2961, Z-34/22N and 2166,<br>Z-34/22 DC & Bi-Energy)                  |      | 13                                 | 45043    | Hub Assembly with Races .....                                                          | 2    |
| 7                | 36676-S  | Tie Rod (Z-34/22N) .....                                                                               | 1    | —                                  | 45873    | Hub Seal, Bearing and Race Kit                                                         |      |
| —                | 42432-S  | Tie Rod (Z-34/22 DC &<br>Bi-Energy) .....                                                              | 1    | —                                  | 21166    | Wheel Stud, 5/8 -18                                                                    |      |
| 8                | 19440    | Clevis Pin, 1 x 2.5 inches .....                                                                       | 2    | —                                  | 45111    | Dust Cap                                                                               |      |
| 9                | 74389    | Rue Ring, 1 inch .....                                                                                 | 1    | —                                  | 45113    | Castle Nut, 1-14                                                                       |      |
| 10               | 32399    | Clevis Pin, 1 x 3 inches .....                                                                         | 1    | —                                  | 45112    | Spindle Washer, 1 inch                                                                 |      |
| <b>Z-34/22N:</b> |          |                                                                                                        |      | —                                  | 45107    | Inner Cone Bearing                                                                     |      |
| 11               | 56455    | Tire and Wheel Assembly,<br>Non-marking, White .....                                                   | 2    | —                                  | 45108    | Outer Cone Bearing                                                                     |      |

This list continues on the next page.

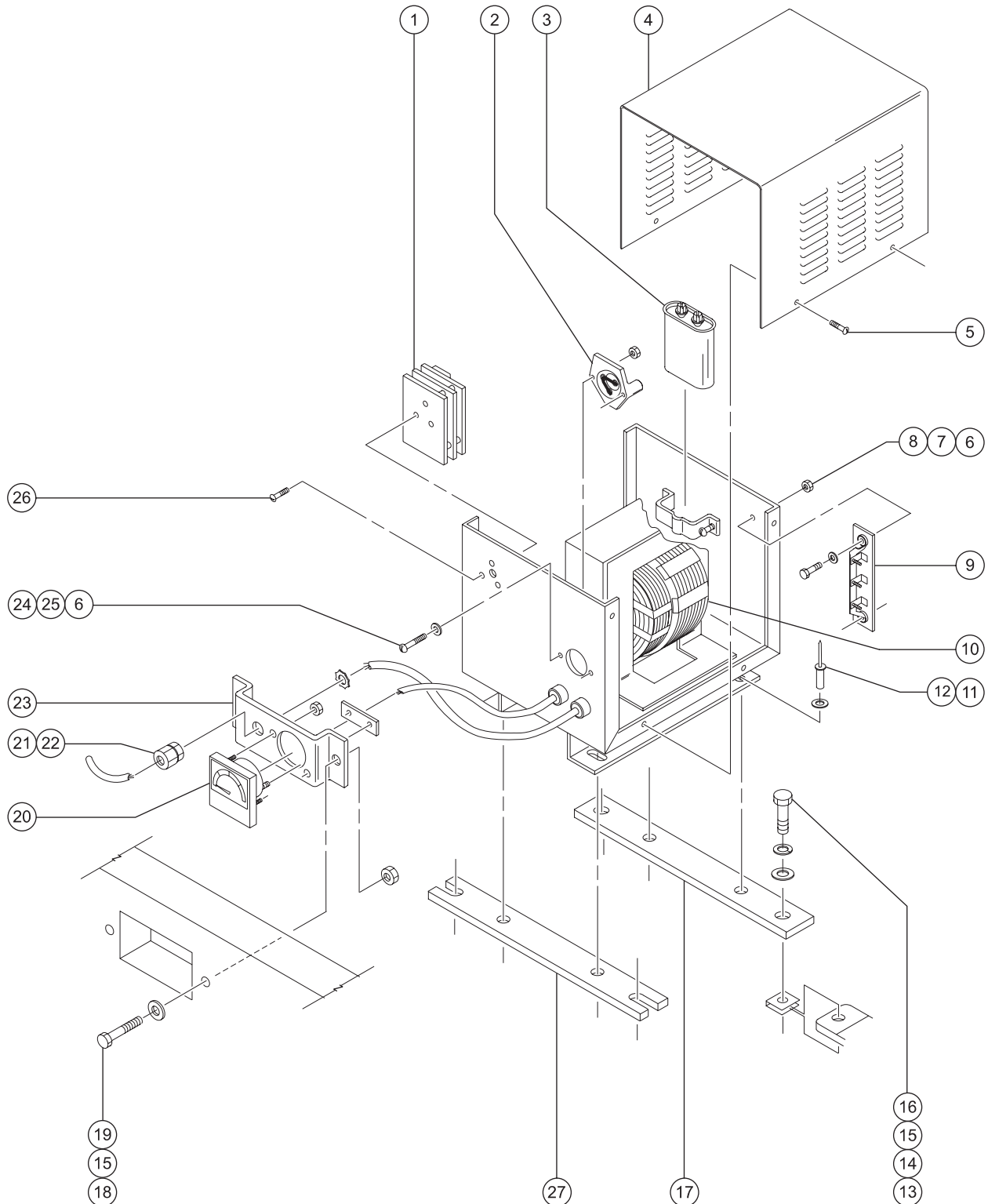


| Figure | Rev | Description |
|--------|-----|-------------|
| 201.1  | B   | Steer End   |



| Item                               | Part No. | Description                                                                           | Qty. |
|------------------------------------|----------|---------------------------------------------------------------------------------------|------|
| <b>Z-34/22N:</b>                   |          |                                                                                       |      |
| 14                                 | 74313    | Yoke Assembly with Bearings -<br>Power Unit Side .....                                | 2    |
| —                                  | 74312    | Yoke Assembly with Bearings -<br>Ground Controls Side                                 |      |
| —                                  | 45071    | Bearing,<br>1.5 x 1.75 x 1.5 inches                                                   |      |
| —                                  | 25817    | Bearing, 1 x 1.25 x 1 inch                                                            |      |
| <b>Z-34/22 DC &amp; Bi-Energy:</b> |          |                                                                                       |      |
| 14                                 | 41213    | Yoke Assembly with Bearings -<br>Power Unit Side<br>(before serial number 3201) ..... | 2    |
| —                                  | 94021    | Yoke Assembly with Bearings -<br>Power Unit Side (after serial<br>number 3200)        |      |
| —                                  | 41212    | Yoke Assembly with Bearings -<br>Ground Controls Side (before<br>serial number 3201)  |      |
| —                                  | 94020    | Yoke Assembly with Bearings -<br>Ground Controls Side (after<br>serial number 3200)   |      |
| —                                  | 45071    | Bearing,<br>1.5 x 1.75 x 1.5 inches                                                   |      |
| —                                  | 25817    | Bearing, 1 x 1.25 x 1 inch                                                            |      |
| —                                  | 74625    | Bearing, 0.75 x 1 x 1.31 inches<br>(after serial number 3200)                         |      |
| 15                                 | 45074    | Thrust Washer,<br>1.51 x 3.5 x 0.187 inch .....                                       | 4    |
| 16                                 | 36211    | Pivot Pin, 3.25 x 1.5 inches .....                                                    | 4    |
| 17                                 | 25284    | Rod End, 0.375 x 2.25 inches .....                                                    | 4    |
| 18                                 | 6175     | Screw-HHC, $\frac{3}{8}$ -16 x 1 inch                                                 |      |
| 19                                 | 6021     | Lock Washer, $\frac{3}{8}$ inch                                                       |      |

| Figure | Rev | Description     |
|--------|-----|-----------------|
| 202.1  | B   | Battery Charger |



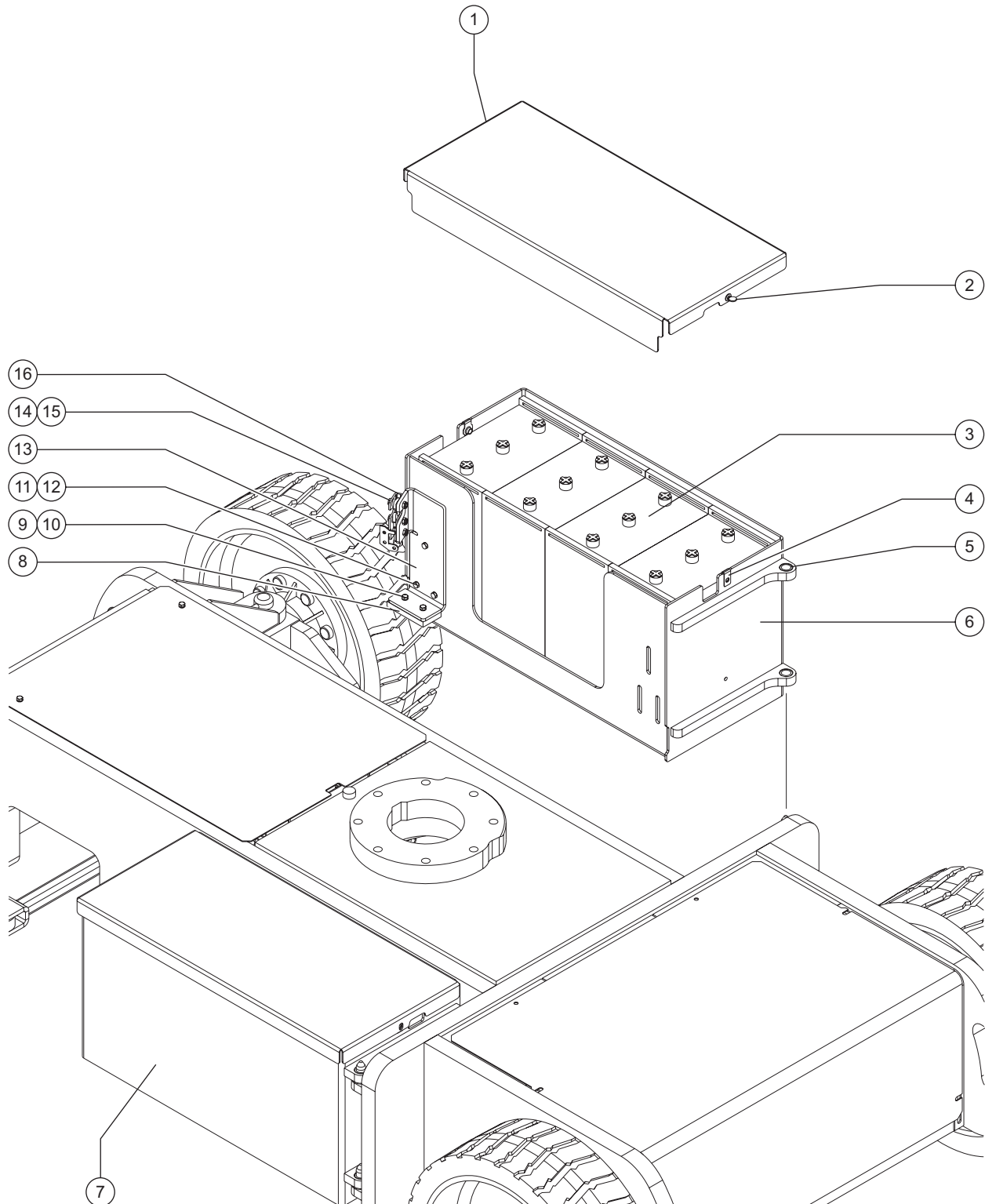
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202.1  
Battery Charger Rev B

| tem | Part No. | Description                                                                         | Qty. | Item | Part No. | Description                                | Qty. |
|-----|----------|-------------------------------------------------------------------------------------|------|------|----------|--------------------------------------------|------|
| —   | 54794    | Battery Charger,<br>115V AC / 60hz                                                  |      | 18   | 36294    | Screw-HHC, 1/4 -20 x 2.75 inches           |      |
| —   | 54795    | Battery Charger, 100 - 125V<br>AC / 200 - 230V AC, 50hz                             |      | 19   | 6091     | Nylock Nut, 1/4 -20                        |      |
| —   | 54796    | Battery Charger, 100 - 125V<br>AC / 200 - 230V AC, 60hz                             |      | 20   | 13008-5  | Ammeter ..... 1                            | 1    |
| —   | 54797    | Battery Charger, 100 - 125V<br>AC / 60hz                                            |      | 21   | 7056     | Squeeze Connector,<br>1/2 inch NPT ..... 1 | 1    |
| —   | 54798    | Battery Charger, 110V AC / 60hz<br>EE Rated                                         |      | 22   | 6935     | Electric Locknut, 1/2 inch ..... 1         | 1    |
| 1   | 27263    | Electronic Timer Assembly<br>(for Genie part no. 54794) ..... 1                     | 1    | 23   | 36313    | Ammeter Mount Bracket ..... 1              | 1    |
| —   | 18078    | Electronic Timer Relay<br>(for Genie part no. 27263)                                |      | 24   | 40533    | Screw, #7 x 0.625 inch                     |      |
| 1   | 27830    | Electronic Timer Assembly<br>(for Genie part no. 54795,<br>54796 and 54797) ..... 1 | 1    | 25   | 40534    | Lock Washer, #10                           |      |
| —   | 19533    | Electronic Timer Relay<br>(for Genie part no. 27830)                                |      | 26   | 40536    | Screw, #8 AB x 0.375 inch                  |      |
| 2   | 13008-6  | Fuse Assembly ..... 1                                                               | 1    | 27   | 36673    | Batter Charger Mount ..... 1               | 1    |
| 3   | 13008-3  | Capacitor, 6 MFD, 660V AC ..... 1                                                   | 1    |      |          |                                            |      |
| 4   | 40532    | Charger Cover ..... 1                                                               | 1    |      |          |                                            |      |
| 5   | 40537    | Screw, #10 AB x 0.5 inch                                                            |      |      |          |                                            |      |
| 6   | 6178     | Nylock Nut, 10-32                                                                   |      |      |          |                                            |      |
| 7   | 6146     | Flat Washer, Plated, #10                                                            |      |      |          |                                            |      |
| 8   | 40538    | Screw, 10-32 x 0.75                                                                 |      |      |          |                                            |      |
| 9   | 27262    | Heat Sink with Diodes ..... 1                                                       | 1    |      |          |                                            |      |
| 10  | 40398    | Transformer (for Genie part no.<br>54796 and 54797) ..... 1                         | 1    |      |          |                                            |      |
| —   | 40523    | Transformer<br>(for Genie part no. 54794)                                           |      |      |          |                                            |      |
| —   | 40524    | Transformer<br>(for Genie part no. 54795)                                           |      |      |          |                                            |      |
| 11  | 12037    | Rivet, 0.25 x 0.5 inch                                                              |      |      |          |                                            |      |
| 12  | 56660    | Riveting Washer                                                                     |      |      |          |                                            |      |
| 13  | 6888     | Screw-HHC, 1/4 -20 x 1 inch                                                         |      |      |          |                                            |      |
| 14  | 6356     | Lock Washer, 1/4 inch                                                               |      |      |          |                                            |      |
| 15  | 6638     | Flat Washer, 1/4 inch                                                               |      |      |          |                                            |      |
| 16  | 25969    | Spring Clip, 1/4 -20                                                                |      |      |          |                                            |      |
| 17  | 36269    | Battery Charger Mount ..... 1                                                       | 1    |      |          |                                            |      |



| Figure | Rev | Description   |
|--------|-----|---------------|
| 203.1  | B   | Battery Packs |



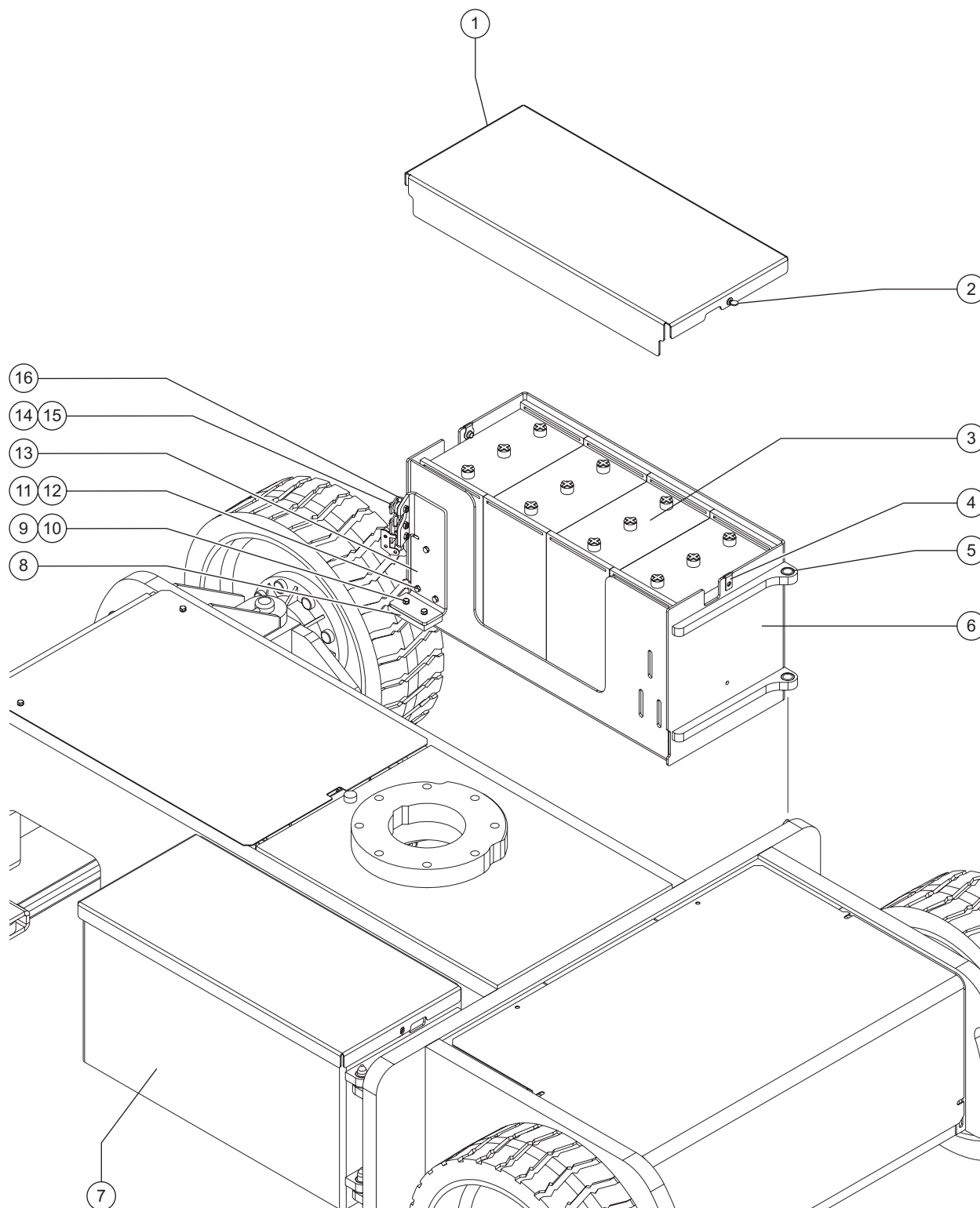
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| Item               | Part No. | Description                                                                                                                | Qty. | Item                      | Part No. | Description                                                                                                            | Qty. |
|--------------------|----------|----------------------------------------------------------------------------------------------------------------------------|------|---------------------------|----------|------------------------------------------------------------------------------------------------------------------------|------|
| —                  | 62485    | Battery Cable Assembly - Drive Chassis, Ground Controls Side                                                               |      | <b>Z-34/22 Bi-Energy:</b> |          |                                                                                                                        |      |
| —                  | 62486    | Battery Cable Assembly - Drive Chassis, Hydraulic Tank Side                                                                |      | 6                         | 52860-S  | Battery Box Assembly with Word Decals - Engine Side (before serial number 3369) (includes items 8-16) .....            | 1    |
| —                  | 37107    | Battery Cable Assembly - Battery Pack, Ground Controls Side                                                                |      | —                         | 106054   | Battery Box Assembly with Symbol Decals - Engine Side (after serial number 3368) (includes items 8-15 and 17)          |      |
| —                  | 37108    | Battery Cable Assembly - Battery Pack, Hydraulic Tank Side                                                                 |      | <b>Z-34/22N:</b>          |          |                                                                                                                        |      |
| —                  | 13101    | Battery Connector                                                                                                          |      | 7                         | 62481    | Battery Box Assembly with Word Decals - Ground Controls Side (before Serial No. 4037) (includes items 8-16) .....      | 1    |
| 1                  | 40442    | Battery Box Lid with Word Decals .....                                                                                     | 1    | —                         | 94023    | Battery Box Assembly with Word Decals - Ground Controls Side (after serial number 4036) (includes items 8-15 and 17)   |      |
| —                  | 106604   | Battery Box Lid with Symbol Decals                                                                                         |      | <b>Z-34/22 DC:</b>        |          |                                                                                                                        |      |
| 2                  | 36424    | Thumb Screw with Shoulder, 3/8 -16 .....                                                                                   | 4    | 7                         | 62483    | Battery Box Assembly with Word Decals - Ground Controls Side (before serial number 3369) (includes items 8-16) .....   | 1    |
| 3                  | 44820    | Dry Battery, 315AH, Group 4H Case Size: 12 x 7 x 14 inches .....                                                           | 8    | —                         | 45382    | Shim, 0.052 inch                                                                                                       |      |
| —                  | 8910     | Cable Terminal Cover                                                                                                       |      | —                         | 45465    | Shim, 0.022 inch                                                                                                       |      |
| —                  | 19520    | Battery Jumper Cable Assembly                                                                                              |      | —                         | 77970    | Battery Box Assembly with Word Decals - Ground Controls Side (after serial number 3368) (includes items 8-15 and 17)   |      |
| 4                  | 29868    | Spring Clip Nut, 3/8 -16                                                                                                   |      | <b>Z-34/22 Bi-Energy:</b> |          |                                                                                                                        |      |
| 5                  | 36369    | Bearing, 0.75 x 1 x .075 inch .....                                                                                        | 8    | 7                         | 52861-S  | Battery Box Assembly with Word Decals - Ground Controls Side (before serial number 3369) (includes items 8-16) .....   | 1    |
| <b>Z-34/22N:</b>   |          |                                                                                                                            |      | —                         | 106054   | Battery Box Assembly with Symbol Decals - Ground Controls Side (after serial number 3368) (includes items 8-15 and 17) |      |
| 6                  | 62482    | Battery Box Assembly with Symbol Decals - Hydraulic Tank Side (before serial number 4037) (includes items 8-16) .....      | 1    | 8                         | 45209    | Wear Pad, 4 x 2 x 0.5 inch .....                                                                                       | 2    |
| —                  | 94022    | Battery Box Assembly with Symbol Decals - Hydraulic Tank Side (after serial number 4036) (includes items 8-15 and 17)      |      | 9                         | 6090     | Screw - HHC, 1/4 -20 x 0.75 inch, GR 5                                                                                 |      |
| <b>Z-34/22 DC:</b> |          |                                                                                                                            |      | <b>Z-34/22 DC:</b>        |          |                                                                                                                        |      |
| 6                  | 62484    | Battery Box Assembly with Word Decals - Hydraulic Tank Side (before serial number 3369) (includes items 8-15 and 17) ..... | 1    | <b>Z-34/22 Bi-Energy:</b> |          |                                                                                                                        |      |
| —                  | 45382    | Shim, 0.052 inch (as needed)                                                                                               |      | 7                         | 52861-S  | Battery Box Assembly with Word Decals - Ground Controls Side (before serial number 3369) (includes items 8-16) .....   | 1    |
| —                  | 45465    | Shim, 0.022 inch (as needed)                                                                                               |      | —                         | 106054   | Battery Box Assembly with Symbol Decals - Ground Controls Side (after serial number 3368) (includes items 8-15 and 17) |      |
| —                  | 77969    | Battery Box Assembly with Word Decals - Hydraulic Tank Side (after serial number 3368) (includes items 8-15 and 17)        |      | 8                         | 45209    | Wear Pad, 4 x 2 x 0.5 inch .....                                                                                       | 2    |
|                    |          |                                                                                                                            |      | 9                         | 6090     | Screw - HHC, 1/4 -20 x 0.75 inch, GR 5                                                                                 |      |

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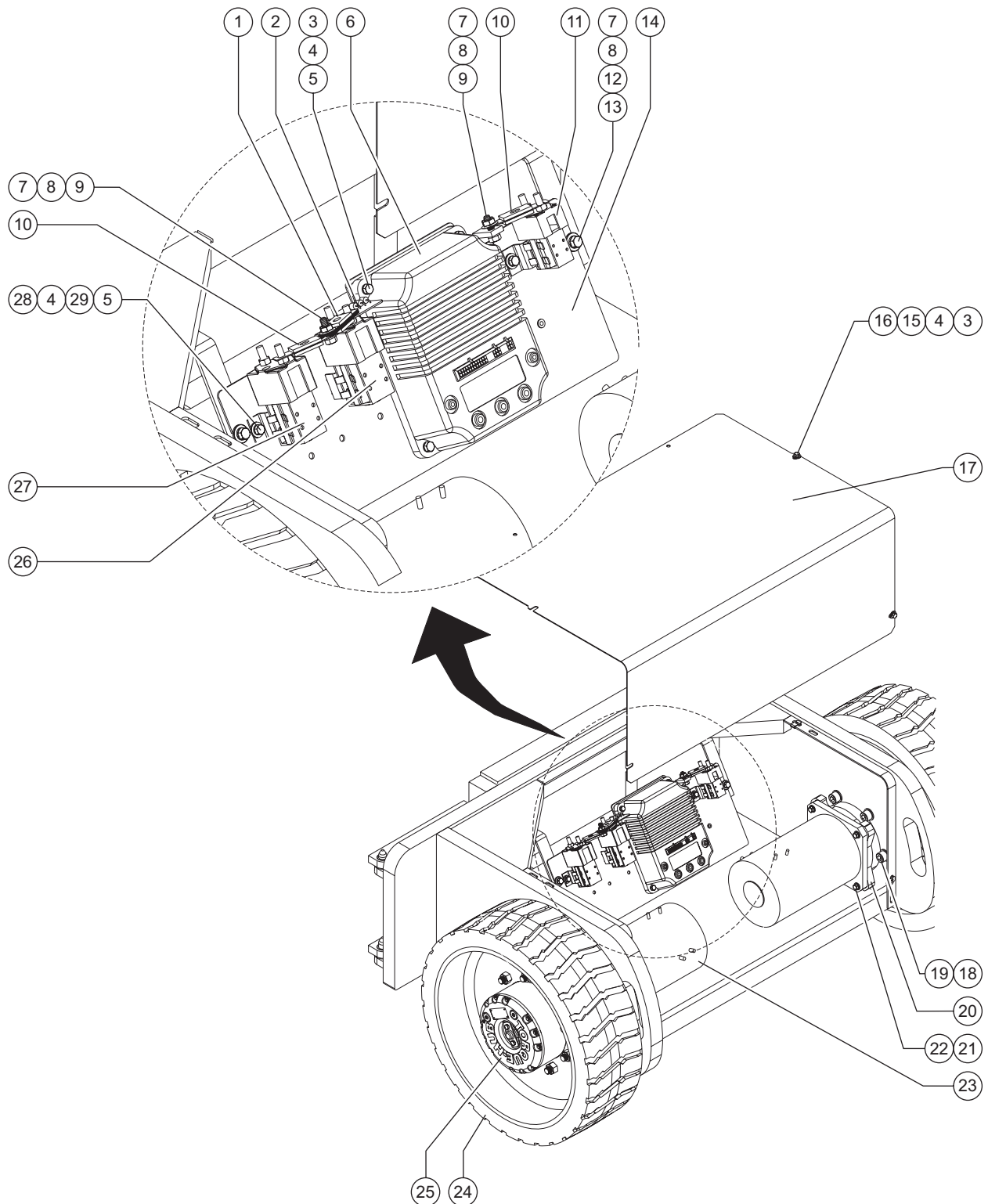


| Figure | Rev | Description   |
|--------|-----|---------------|
| 203.1  | B   | Battery Packs |

**Genie**  
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| Item | Part No. | Description                                                                                                                               | Qty. |
|------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|------|
| 10   | 6356     | Lock Washer, 1/4 inch                                                                                                                     |      |
| 11   | 6888     | Screw - HHC, 1/4 -20 x 1 inch,<br>GR 5                                                                                                    |      |
| 12   | 6638     | Flat Washer, 1/4 inch                                                                                                                     |      |
| 13   | 101426   | Bracket, Forming, Battery Box<br>Latch, RH .....                                                                                          | 1    |
| —    | 101425   | Bracket, Forming, Battery Box<br>Latch, LH                                                                                                |      |
| 14   | 7339     | Screw - HHC, 1/4 -20 x 0.5 inch,<br>GR 5 (before serial number<br>4037, Z-34/22N and 3369,<br>Z-34/22 DC & Bi-Energy)                     |      |
| —    | 13000    | Screw - HHC, 5/16-18 x 1.25<br>inches, GR 5 (from serial<br>number 4036 to 4461, Z-34/22N<br>and 3368 to 3707, Z-34/22 DC<br>& Bi-Energy) |      |
| —    | 101719   | Screw - HHC, 5/16 -18 x 1.25<br>inches, GR 5 (after serial number<br>4461, Z-34/22N and 3707,<br>Z-34/22 DC & Bi-Energy)                  |      |
| 15   | 6002     | Nylock Nut, 5/16 inch                                                                                                                     |      |
| 16   | 27126    | Adjustable Draw Latch<br>(before serial number 4037,<br>Z-34/22N and 3369, Z-34/22) .....                                                 | 2    |

| Figure | Rev | Description   |
|--------|-----|---------------|
| 204.1  | D   | Non-steer End |



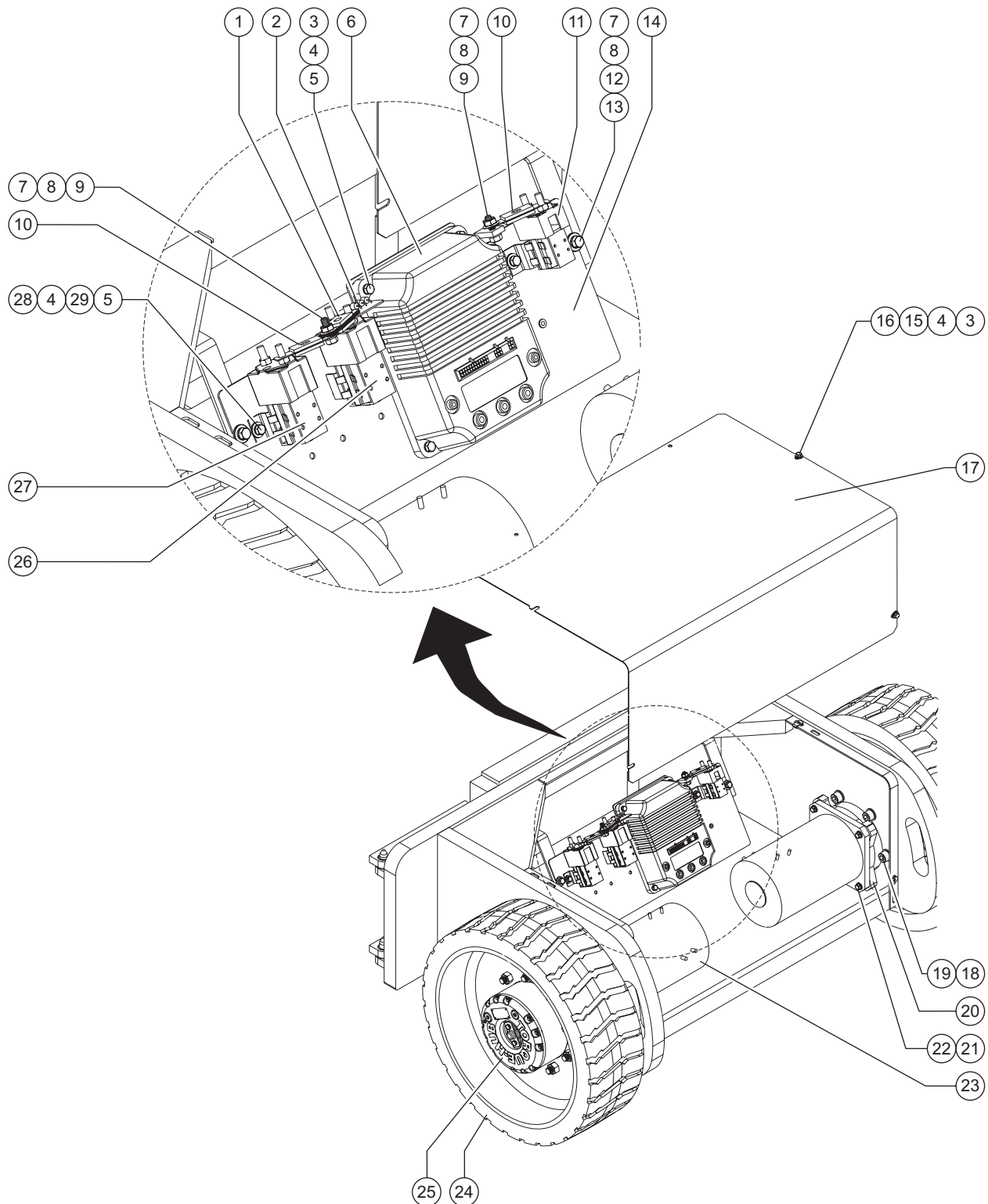
204.1  
Non-steer End Rev D

| Item | Part No. | Description                                                                 | Qty. | Item                               | Part No. | Description                                                                                  | Qty. |
|------|----------|-----------------------------------------------------------------------------|------|------------------------------------|----------|----------------------------------------------------------------------------------------------|------|
| 1    | 43179    | Very Fast Acting Fuse, 500A .....                                           | 1    | 21                                 | 13918    | Screw - HHC, $\frac{3}{8}$ -16 x 1.75 inches, GR 8 .....                                     | 8    |
| 2    | 56930    | Printed Circuit Board Diode .....                                           | 3    | 22                                 | 6021     | Lock Washer, $\frac{3}{8}$ inch                                                              |      |
| 3    | 6888     | Screw, $\frac{1}{4}$ -20 x 1 inch                                           |      | 23                                 | 94198    | Sepex Drive Motor, 24V DC .....                                                              | 1    |
| 4    | 6356     | Lock Washer, $\frac{1}{4}$ inch                                             |      | —                                  | 94315    | Brush Kit                                                                                    |      |
| 5    | 23404    | Nutsert, $\frac{1}{4}$ -20                                                  |      | —                                  | 94316    | Brush Retaining Spring Kit                                                                   |      |
| 6    | 56774-01 | Sepex Motor Controller, 500A (pre-programmed)(Z-34/22 DC & Bi-Energy) ..... | 1    | —                                  | 94317    | Bearing Kit                                                                                  |      |
| —    | 56774-02 | Sepex Motor Controller, 500A (pre-programmed) (Z-34/22N)                    |      | <b>Z-34/22N:</b>                   |          |                                                                                              |      |
| —    | 56303    | Curtis Controller Programmer                                                |      | 24                                 | 94909    | Tire and Wheel Assembly .....                                                                | 2    |
| —    | 56552    | Terminal Extractor Tool                                                     |      | <b>Z-34/22 DC &amp; Bi-Energy:</b> |          |                                                                                              |      |
| —    | 56561    | Terminal Crimper Tool                                                       |      | 24                                 | 45094    | Tire and Wheel Assembly, Industrial, Air Filled .....                                        | 2    |
| —    | 56030    | Molex Terminal, 16 gauge                                                    |      | —                                  | 45461    | Tire and Wheel Assembly, Industrial Foam Filled                                              |      |
| —    | 56029    | Molex Pin connector                                                         |      | —                                  | 40136    | Tire and Wheel Assembly, Non-marking, Air Filled                                             |      |
| 7    | 13002    | Screw - HHC, $\frac{5}{16}$ -18 x 1 inch, GR 5                              |      | —                                  | 42050    | Tire and Wheel Assembly, Rough Terrain, Air Filled, Ground Controls Side (Z-34/22 Bi-Energy) |      |
| 8    | 18503    | Locking Flange Nut, $\frac{5}{16}$ -18                                      |      | —                                  | 42148    | Tire and Wheel Assembly, Rough Terrain, Air Filled, Engine Side (Z-34/22 Bi-Energy)          |      |
| 9    | 6886     | Lock Washer, $\frac{5}{16}$ inch                                            |      | —                                  | 42143    | Rough Terrain Tire, SGL, SS10-16.5, 6 Ply                                                    |      |
| 10   | 36355    | Very Fast Acting Fuse, 100A .....                                           | 1    | —                                  | 45042    | Industrial Tire, 9 x 14.5 LT                                                                 |      |
| 11   | 74268    | Auxiliary Contactor, 24V DC, 80A .....                                      | 1    | —                                  | 40135    | Industrial Tire, Non-marking, 9 x 14.5 LT                                                    |      |
| —    | 22263    | Stationary Contact                                                          |      | —                                  | 45041    | Industrial Wheel, 14.5 x 7                                                                   |      |
| —    | 22262    | Moveable Contact                                                            |      | —                                  | 42144    | Rough Terrain Wheel, 16.5 x 8.25                                                             |      |
| —    | 74495    | Return Spring                                                               |      |                                    |          |                                                                                              |      |
| 12   | 5397     | Flat Washer, $\frac{5}{16}$ inch                                            |      |                                    |          |                                                                                              |      |
| 13   | 36456    | Spring Clip Nut, $\frac{5}{16}$ -18                                         |      |                                    |          |                                                                                              |      |
| 14   | 74424    | Controller Mount Assembly with Nutserts and Decals (includes item 5) .....  | 1    |                                    |          |                                                                                              |      |
| 15   | 6638     | Flat Washer, $\frac{1}{4}$ inch                                             |      |                                    |          |                                                                                              |      |
| 16   | 25969    | Spring Clip Nut, $\frac{1}{4}$ -20                                          |      |                                    |          |                                                                                              |      |
| 17   | 58110    | Cover with Decals (Z-34/22N) .....                                          | 1    |                                    |          |                                                                                              |      |
| —    | 58111    | Cover with Decals (Z-34/22 DC)                                              |      |                                    |          |                                                                                              |      |
| —    | 74765    | Cover with Decals (Z-34/22 Bi-Energy)                                       |      |                                    |          |                                                                                              |      |
| 18   | 56900    | Screw - SHC, $\frac{5}{8}$ -11 x 2.5 inches, GR 8 .....                     | 12   |                                    |          |                                                                                              |      |
| 19   | 56911    | Flat Washer, Hardened, $\frac{5}{8}$ inch...                                | 2    |                                    |          |                                                                                              |      |
| 20   | 54861    | Ausco Brake .....                                                           | 2    |                                    |          |                                                                                              |      |
| —    | 83022    | Seal Kit                                                                    |      |                                    |          |                                                                                              |      |

This list continues on next page.



| Figure | Rev | Description   |
|--------|-----|---------------|
| 204.1  | D   | Non-steer End |

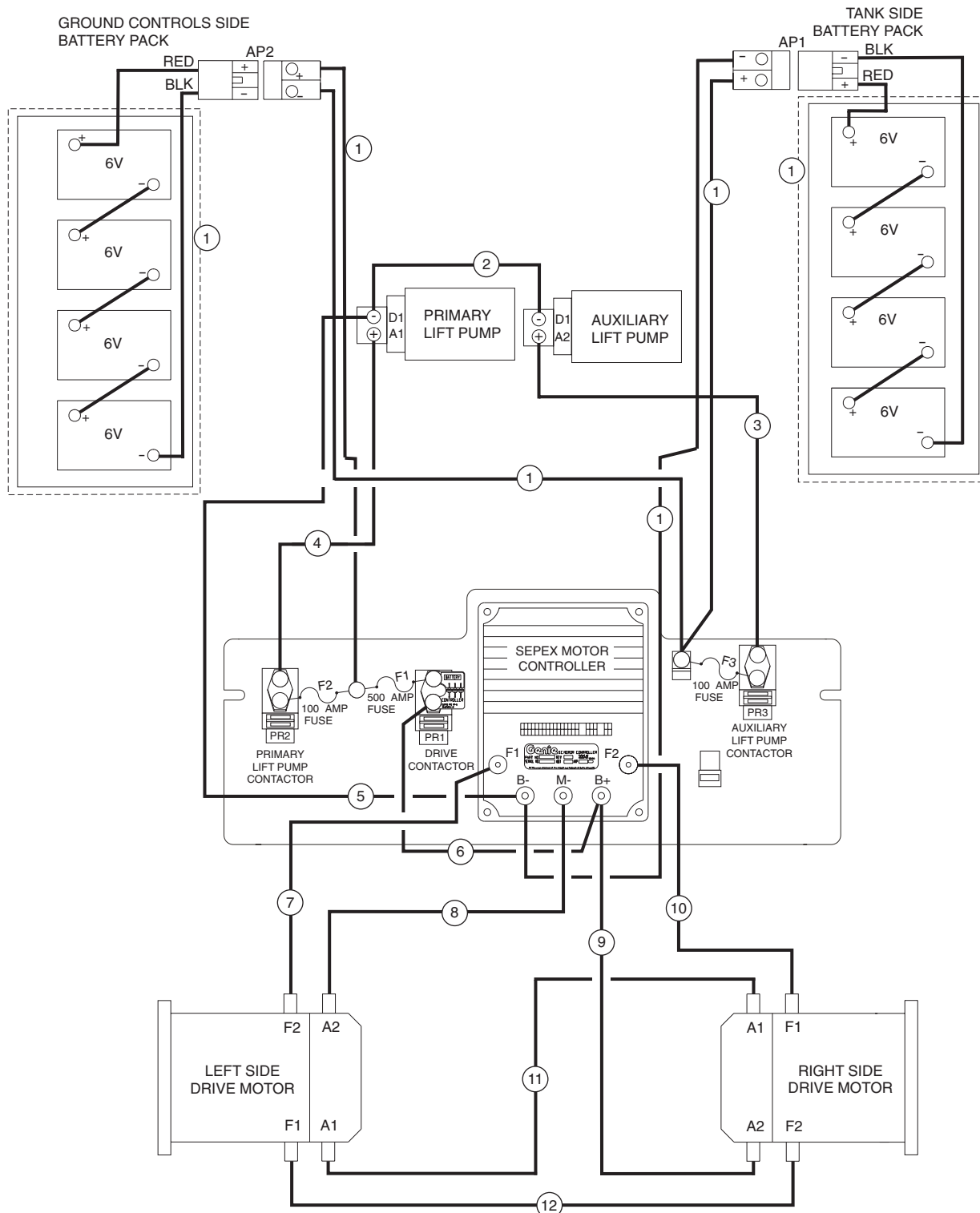


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204.1  
Non-steer End Rev D

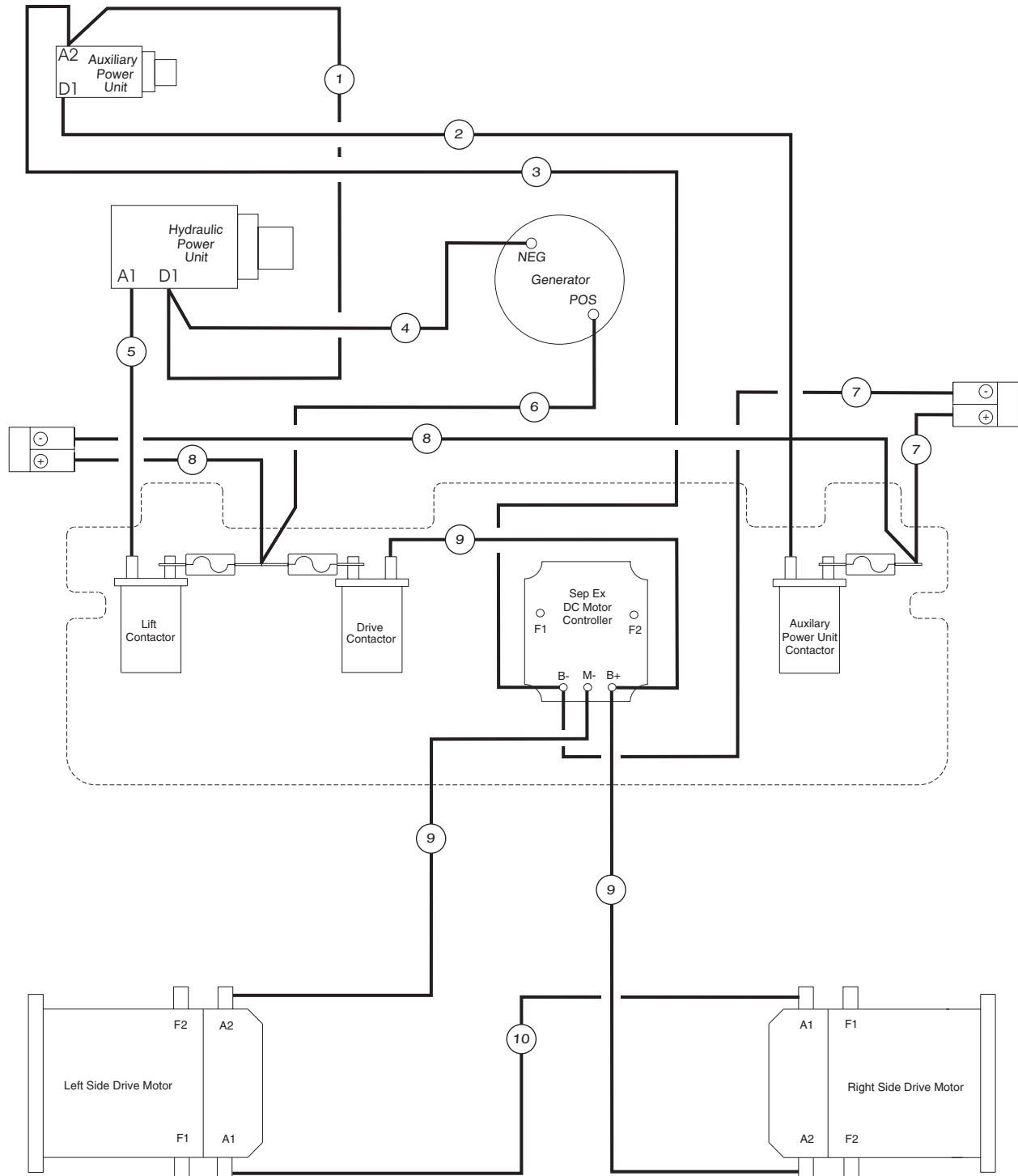
| Item | Part No. | Description                                                                                                                                                          | Qty. | Item | Part No. | Description                            | Qty. |
|------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------|----------------------------------------|------|
| 25   | 56338    | Drive Hub (before serial number 2740 and from 4174 to 4371, Z-34N)<br>(before serial number 1996 and from 3510 to 3641, Z-34/22 DC & Bi-Energy) .....                | 2    | 26   | 74267    | Drive Contactor, 24V DC, 180A....      | 1    |
| —    | 21142    | Seal Kit                                                                                                                                                             |      | —    | 74469    | Stationary Contact                     |      |
| —    | 21143    | Bearing Kit                                                                                                                                                          |      | —    | 74470    | Moveable Contact                       |      |
| —    | 21144    | Disconnect Rod Actuator                                                                                                                                              |      | —    | 74468    | Return Spring                          |      |
| —    | 21146    | Cap Cover                                                                                                                                                            |      | —    | 74282    | Dust Shield                            |      |
| —    | 21147    | Flat End Cover                                                                                                                                                       |      | 27   | 74266    | Lift Pump Contactor                    |      |
| —    | 21148    | Thrust Washer                                                                                                                                                        |      | —    | 62695    | Stationary Contact                     |      |
| —    | 21149    | Wheel Stud, 5/8 -18                                                                                                                                                  |      | —    | 62696    | Moveable Contact                       |      |
| —    | 37097    | O-ring (included in 21142)                                                                                                                                           |      | —    | 74471    | Return Spring                          |      |
| —    | 72283    | Domed End Cover                                                                                                                                                      |      | 28   | 6090     | Screw - HHC, 1/4 -20 x 0.75 inch, GR 5 |      |
| —    | 74099    | Disconnect Rod                                                                                                                                                       |      | 29   | 6638     | Flat Washer, 1/4 inch                  |      |
| —    | 74370    | Bolt, 5/16 -18 x 2.25 inches, GR 8 .....                                                                                                                             | 12   |      |          |                                        |      |
| —    | 74371    | Bolt, 5/16 -18 x 1.81 inches, GR 8 .....                                                                                                                             | 8    |      |          |                                        |      |
| 25   | 74097    | Drive Hub (from serial number 2740 to 4174 and from 4372 to 4673, Z-34/22N)<br>(from serial number 1997 to 3510 and from 3642 to 3831, Z-34/22 DC & Bi-Energy) ..... | 2    |      |          |                                        |      |
| —    | 74377    | Seal Kit                                                                                                                                                             |      |      |          |                                        |      |
| —    | 74714    | Bearing Kit                                                                                                                                                          |      |      |          |                                        |      |
| —    | 21146    | Cap Cover                                                                                                                                                            |      |      |          |                                        |      |
| —    | 21149    | Wheel Stud, 5/8 -18                                                                                                                                                  |      |      |          |                                        |      |
| —    | 62480    | Disconnect Rod                                                                                                                                                       |      |      |          |                                        |      |
| —    | 74372    | Bolt, 1/4 -20 x 0.675 inch, GR 8 .....                                                                                                                               | 12   |      |          |                                        |      |
| —    | 74373    | Domed End Cover                                                                                                                                                      |      |      |          |                                        |      |
| —    | 106123   | End Cover O-ring                                                                                                                                                     |      |      |          |                                        |      |
| —    | 74375    | Thrust Washer                                                                                                                                                        |      |      |          |                                        |      |
| —    | 74376    | Disconnect Rod Acuator                                                                                                                                               |      |      |          |                                        |      |
| 25   | 106148   | Drive Hub (after serial number 4673, Z-34/22N)<br>(after serial number 3831, Z-34/22 DC & Bi-Energy) .....                                                           | 2    |      |          |                                        |      |
| —    | 106508   | Seal Kit                                                                                                                                                             |      |      |          |                                        |      |
| —    | 106121   | Disconnect Rod                                                                                                                                                       |      |      |          |                                        |      |
| —    | 106122   | Disengage Cap                                                                                                                                                        |      |      |          |                                        |      |
| —    | 106123   | End Cover O-ring                                                                                                                                                     |      |      |          |                                        |      |
| —    | 94912    | Bearing Kit                                                                                                                                                          |      |      |          |                                        |      |
| —    | 21149    | Wheel Stud, 5/8 -18                                                                                                                                                  |      |      |          |                                        |      |

**Figure**      **Rev**      **Description**  
 205.1      A      Power Cables - Z-34/22N and Z-34/22DC



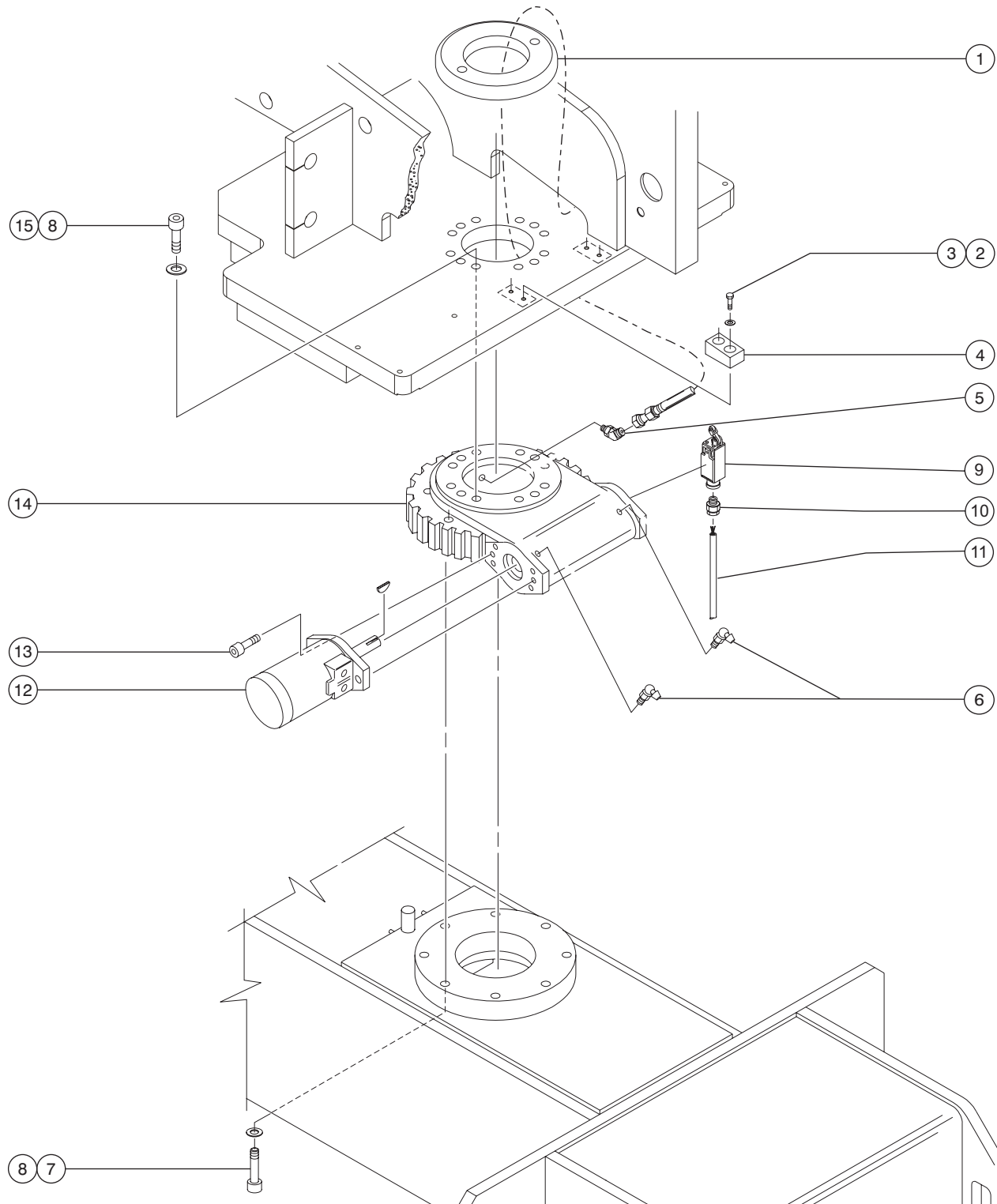
| Item | Part No. | Description                                                      | Qty. |
|------|----------|------------------------------------------------------------------|------|
| 1    | Ref.     | Battery Box Cable Assemblies<br>(refer to 203.1)                 |      |
| 2    | 62487    | Cable Assembly, 4 Gauge,<br>Black, 9 inches .....                | 1    |
| 3    | 62488    | Cable Assembly, 4 Gauge, Red,<br>63 inches .....                 | 1    |
| 4    | 62489    | Cable Assembly, 4 Gauge, Red,<br>60 inches .....                 | 1    |
| 5    | 62490    | Cable Assembly, 4 Gauge,<br>Black, 66 inches .....               | 1    |
| 6    | 62491    | Cable Assembly, 2 Gauge,<br>Black, 20 inches .....               | 1    |
| 7    | 62493    | Wire Assembly, 10 Gauge, Red,<br>19 inches (Z-34/22N) .....      | 1    |
| —    | 62492    | Wire Assembly, 10 Gauge, Red,<br>25 inches (Z-34/22DC)           |      |
| 8    | 62495    | Cable Assembly, 2 Gauge,<br>Black,<br>19 inches (Z-34/22N) ..... | 1    |
| —    | 62494    | Cable Assembly, 2 Gauge,<br>Black, 24 inches (Z-34/22DC)         |      |
| 9    | 74111    | Cable Assembly, 2 Gauge,<br>Black, 13 inches (Z-34/22N) .....    | 1    |
| —    | 62496    | Cable Assembly, 2 Gauge,<br>Black, 17 inches (Z-34/22DC)         |      |
| 10   | 62497    | Wire Assembly, 10 Gauge, Red,<br>21 inches (Z-34/22N) .....      | 1    |
| —    | 62492    | Wire Assembly, 10 Gauge, Red,<br>25 inches (Z-34/22DC)           |      |
| 11   | 62499    | Cable Assembly, 2 Gauge,<br>Black, 33 inches (Z-34/22N) .....    | 1    |
| —    | 62498    | Cable Assembly, 2 Gauge,<br>Black, 42 inches (Z-34/22DC)         |      |
| 12   | 62501    | Wire Assembly, 10 Gauge, Red,<br>29.5 inches (Z-34/22N) .....    | 1    |
| —    | 62500    | Wire Assembly, 10 Gauge, Red,<br>39 inches (Z-34/22DC)           |      |

| Figure | Rev | Description                      |
|--------|-----|----------------------------------|
| 206.1  | A   | Power Cables - Z-34/22 Bi-Energy |



| Item | Part No. | Description                                         | Qty. |
|------|----------|-----------------------------------------------------|------|
| 1    | 52871    | Cable Assembly, Black, 4 Gauge, 13 inches .....     | 1    |
| 2    | 52874    | Cable Assembly, Red, 4 Gauge, 94 inches .....       | 1    |
| 3    | 52872    | Cable Assembly, Red, 4 Gauge, 97 inches .....       | 1    |
| 4    | 52870    | Cable Assembly, Black, 4 Gauge, 31 inches .....     | 1    |
| 5    | 52873    | Cable Assembly, Red, 4 Gauge, 91 inches .....       | 1    |
| 6    | 52869    | Cable Assembly, Black, 4 Gauge, 109 inches .....    | 1    |
| 7    | 52798    | Battery Cable Connector - Ground Control Side ..... | 1    |
| —    | 19436    | Battery Connector .....                             | 1    |
| 8    | 52797    | Battery Cable Connector - Engine Side .....         | 1    |
| —    | 19436    | Battery Connector .....                             | 1    |
| 9    | 52799    | Cable Assembly, Black, 2 Gauge, 21 inches .....     | 3    |
| 10   | 52868    | Cable Assembly, Black, 2 Gauge, 25 inches .....     | 1    |

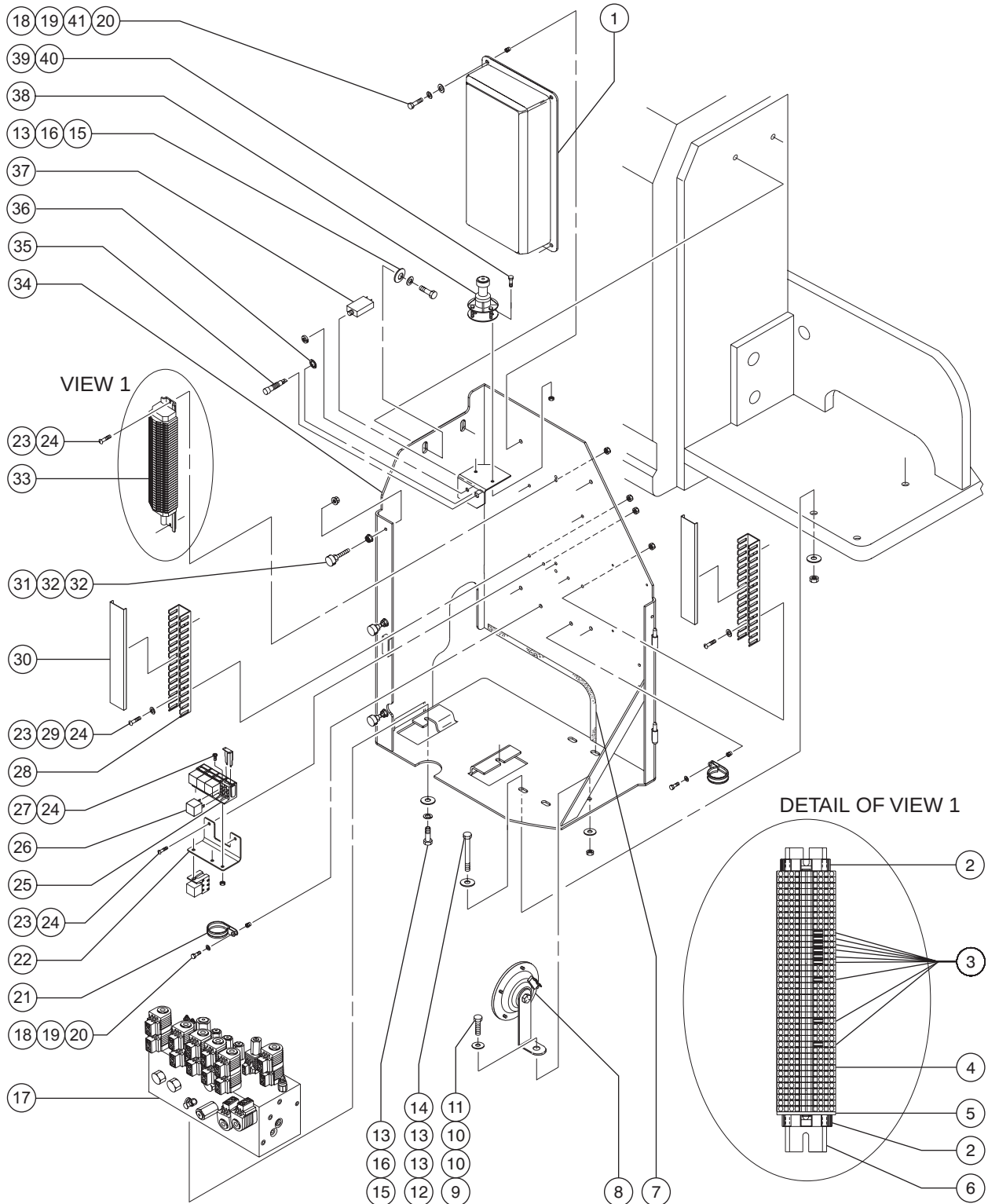
| Figure | Rev | Description       |
|--------|-----|-------------------|
| 301.1  | C   | Turntable Rotator |



301.1  
Turntable Rotator Rev C

| Item                               | Part No.    | Description                                                                                                       | Qty.       | Item | Part No. | Description                                                                                                  | Qty. |
|------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------|------------|------|----------|--------------------------------------------------------------------------------------------------------------|------|
| 1                                  | 42363       | Hose Protection Ring .....                                                                                        | 1          | 12   | 74864    | Turntable Rotation Motor<br>(after serial number 3961,<br>Z-34/22N and 3296, Z-34/22DC<br>& Bi-energy) ..... | 1    |
| 2                                  | 8255        | Screw-HHC, $\frac{3}{8}$ -16 x 0.75 inch                                                                          |            | —    | 94017    | Seal Kit                                                                                                     |      |
| 3                                  | 5397        | Flat Washer, $\frac{5}{16}$ inch                                                                                  |            | —    | 94018    | Square Key                                                                                                   |      |
| <b>Z-34/22N:</b>                   |             |                                                                                                                   |            | 13   | 56843    | Screw-SHC, $\frac{1}{2}$ -13 x 1.5<br>inches, GR 8 .....                                                     | 15   |
| 4                                  | 36701       | Lower Arm Rest Pad, (before<br>serial number 2975) .....                                                          | 2          | 14   | 74994    | Turntable Rotator Assembly .....                                                                             | 1    |
| —                                  | 74086       | Lower Arm Rest Pad, (after<br>serial number 2974)                                                                 |            | —    | 58296    | Snap Ring                                                                                                    |      |
| <b>Z-34/22 DC &amp; Bi-Energy:</b> |             |                                                                                                                   |            | 15   | 25068    | Screw-SHC, $\frac{5}{8}$ -11 x 4.5<br>inches, GR8 .....                                                      | 12   |
| 4                                  | 36959       | Lower Arm Rest Pad, (before<br>serial number 2170) .....                                                          | 2          |      |          |                                                                                                              |      |
| —                                  | 74256       | Lower Arm Rest Pad, (after<br>serial number 2169)                                                                 |            |      |          |                                                                                                              |      |
| 5                                  | 31194       | Fitting, 45° Elbow, 4 JIC x<br>2 MPT .....                                                                        | 1          |      |          |                                                                                                              |      |
| 6                                  | 22794       | Grease Fitting, $\frac{1}{8}$ inch NPT,<br>45° .....                                                              | 2          |      |          |                                                                                                              |      |
| 7                                  | 36459       | Screw - SHC, $\frac{5}{8}$ -11 x 5.5<br>inches, GR8 .....                                                         | 8          |      |          |                                                                                                              |      |
| 8                                  | 13064       | Hardened Flat Washer, $\frac{5}{8}$ inch..                                                                        | 20         |      |          |                                                                                                              |      |
| 9                                  | 74615       | Limit Switch with Roller Arm<br>(before serial number 4744,<br>Z-34/22N and 3883, Z-34/22DC<br>& Bi-energy) ..... | 1          |      |          |                                                                                                              |      |
| —                                  | 19491       | Contact                                                                                                           |            |      |          |                                                                                                              |      |
| —                                  | 27643       | Roller Arm                                                                                                        |            |      |          |                                                                                                              |      |
| 9                                  | 88356-12103 | Limit Switch with Roller Arm<br>(after serial number 4743,<br>Z-34/22N and 3882, Z-34/22DC<br>& Bi-energy) .....  | 1          |      |          |                                                                                                              |      |
| —                                  | 106427      | Rotary Head                                                                                                       |            |      |          |                                                                                                              |      |
| —                                  | 106088      | Harness                                                                                                           |            |      |          |                                                                                                              |      |
| —                                  | 106430      | Roller Arm                                                                                                        |            |      |          |                                                                                                              |      |
| 10                                 | 7056        | Squeeze Connector,<br>$\frac{1}{2}$ inch NPT .....                                                                | 1          |      |          |                                                                                                              |      |
| 11                                 | 43960       | Electrical Cord, 16 Gauge,<br>4 Conductor TPE JKT ....                                                            | 102 inches |      |          |                                                                                                              |      |
| 12                                 | 27372       | Turntable Rotation Motor<br>(before serial number 3962,<br>Z-34/22N and 3297, Z-34/22DC<br>& Bi-energy) .....     | 1          |      |          |                                                                                                              |      |
| —                                  | 27275       | Seal Kit                                                                                                          |            |      |          |                                                                                                              |      |
| —                                  | 32224       | Woodruff Key                                                                                                      |            |      |          |                                                                                                              |      |

| Figure | Rev | Description                                   |
|--------|-----|-----------------------------------------------|
| 302.1  | D   | Ground Controls Side, Z-34/22N and Z-34/22 DC |



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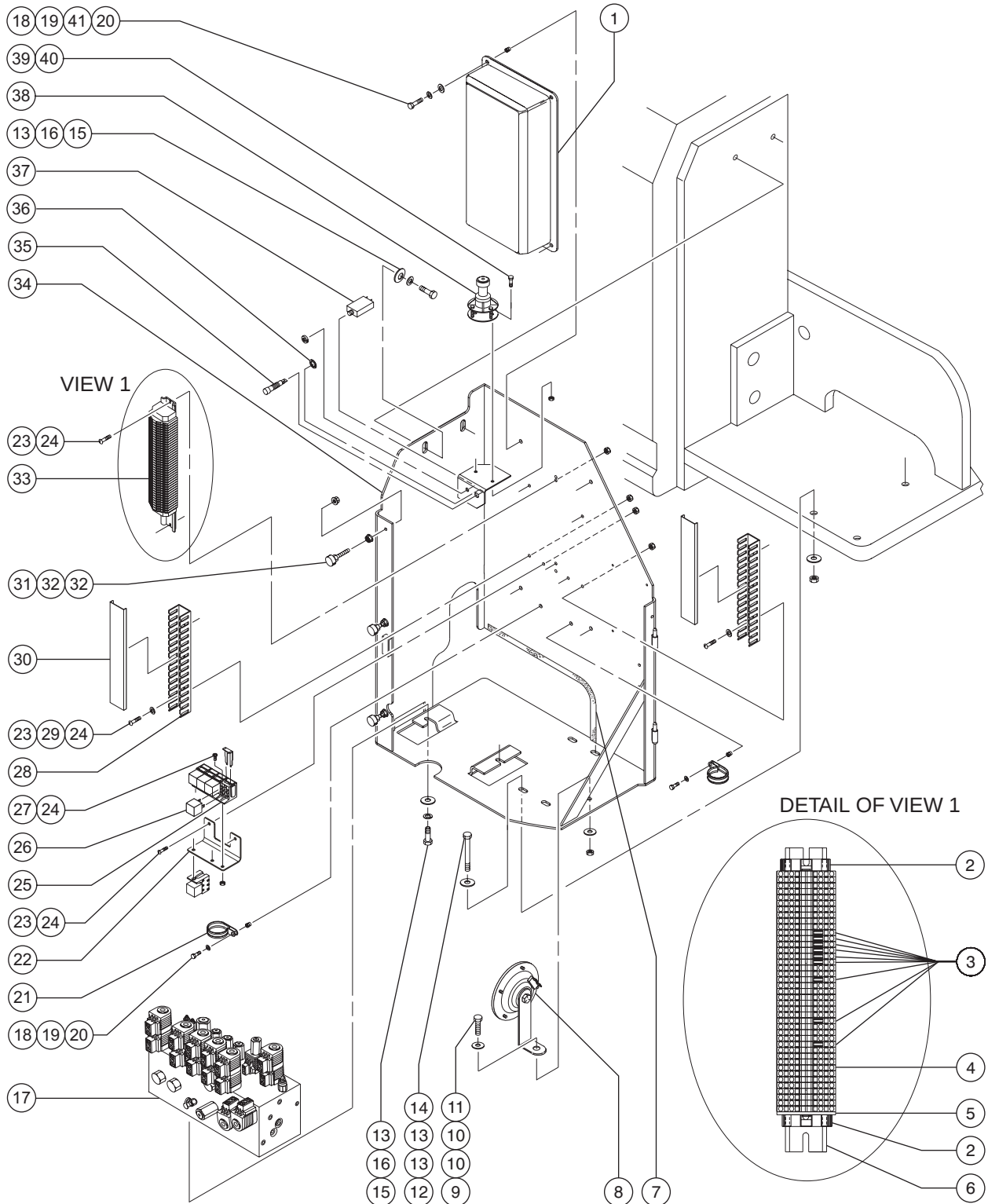
302.1  
Ground Controls Side, Z-34/22N and Z-34/22 DC Rev D

| Item | Part No. | Description                                                                                           | Qty.        | Item | Part No. | Description                                                                                                            | Qty. |
|------|----------|-------------------------------------------------------------------------------------------------------|-------------|------|----------|------------------------------------------------------------------------------------------------------------------------|------|
| 1    | 56846    | Terminal Strip Cover .....                                                                            | 1           | 16   | 6021     | Lock Washer, $\frac{3}{8}$ inch                                                                                        |      |
| 2    | 25974    | End Stop (before serial number 3819, Z-34/22N and 3256, Z-34/22) .....                                | 2           | 17   | Ref.     | Function Manifold (refer to 701.1)                                                                                     |      |
| —    | 74913    | End Stop (after serial number 3818, Z-34/22N and 3255, Z-34/22 DC)                                    |             | 18   | 6090     | Screw - HHC, $\frac{1}{4}$ -20 x 0.75 inch, GR 5                                                                       |      |
| 3    | 56648    | Terminal Block, 3 Wire (before serial number 3819, Z-34/22N and serial number 3256, Z-34/22 DC) ..... | 9           | 19   | 6356     | Lock Washer, $\frac{1}{4}$ inch                                                                                        |      |
| 4    | 25836    | Terminal Block (before serial number 3819, Z-34/22N and 3256, Z-34/22DC) .....                        | 37          | 20   | 23404    | Nutsert, $\frac{1}{4}$ -20                                                                                             |      |
| —    | 74911    | Terminal Block (after serial number 3818, Z-34/22N and 3255, Z-34/22 DC) .....                        | 42          | 21   | 21619    | Hose Clamp, 1.5 inches .....                                                                                           | 2    |
| 5    | 25837    | Terminal Block End Plate (before serial number 3819, Z-34/22N and 3256, Z-34/22 DC) .....             | 1           | 22   | 56791    | Relay Mounting Bracket .....                                                                                           | 1    |
| —    | 74912    | Terminal Block End Plate (after serial number 3818, Z-34/22N and 3255, Z-34/22DC)                     |             | 23   | 49816    | Screw-PHM, 10-32 x 0.75 inch                                                                                           |      |
| 6    | 56788    | Mounting Rail, 10.14 inches (before serial number 3819, Z-34/22N and 3256, Z-34/22DC) ..              | 1           | 24   | 6178     | Nylock Nut, 10-32                                                                                                      |      |
| —    | 56994    | Mounting Rail, 11.25 inches (after serial number 3818, Z-34/22N and 3255, Z-34/22DC)                  |             | 25   | 34053    | SPDT RelaySocket .....                                                                                                 | 5    |
| 7    | 19018    | Black Trimlock, $\frac{5}{32}$ inch .....                                                             | 17.5 inches | 26   | 56302    | Relay, SPDT, 24V DC, 30-40A .....                                                                                      | 5    |
| 8    | 54507    | Horn, 24V DC .....                                                                                    | 1           | 27   | 49819    | Screw-PHM, 10-32 x 0.5 inch                                                                                            |      |
| 9    | 10107    | Screw - HHC, $\frac{5}{16}$ -18 x 0.75 inch, GR5                                                      |             | 28   | 28298    | Wiring Duct, 1.5 x 1.5 x 12 inches .....                                                                               | 2    |
| 10   | 5397     | Flat Washer, $\frac{5}{16}$ inch                                                                      |             | 29   | 6146     | Flat Washer, Plated, #10                                                                                               |      |
| 11   | 6782     | Nylock Nut, $\frac{5}{16}$ -18                                                                        |             | 30   | 28299    | Wiring Duct Cover, 1.5 x 12 inches .....                                                                               | 2    |
| 12   | 6326     | Screw - HHC, $\frac{3}{8}$ -16 x 3 inches, GR5                                                        |             | 31   | 36388    | Rubber Bumper with Stud, $\frac{1}{4}$ -20 x 0.75 inch .....                                                           | 3    |
| 13   | 6097     | Flat Washer, $\frac{3}{8}$ inch                                                                       |             | 32   | 18504    | Locking FlangeNut, $\frac{1}{4}$ -20                                                                                   |      |
| 14   | 4828     | Nylock Nut, $\frac{3}{8}$ -16                                                                         |             | 33   | 56993    | Terminal Block Assembly (includes items 2 -6) (before serial number 3819, Z-34/22N and 3256, Z-34/22DC) .....          | 1    |
| 15   | 6175     | Screw - HHC, $\frac{3}{8}$ -16 x 1 inch, GR5                                                          |             | —    | 74927    | Terminal Block Assembly (includes items 2, and 4 -6) (from serial number 3818, Z-34/22N and 3255, Z-34/22DC)           |      |
|      |          |                                                                                                       |             | —    | 94742    | Terminal Block Assembly (includes items 2 and 4 -6) (after serial number 4260, Z34/22N, serial number 3577, Z-34/22DC) |      |
|      |          |                                                                                                       |             | 34   | 56784    | Turntable Cover Support, Ground Controls Side .....                                                                    | 1    |

This list continues on next page.



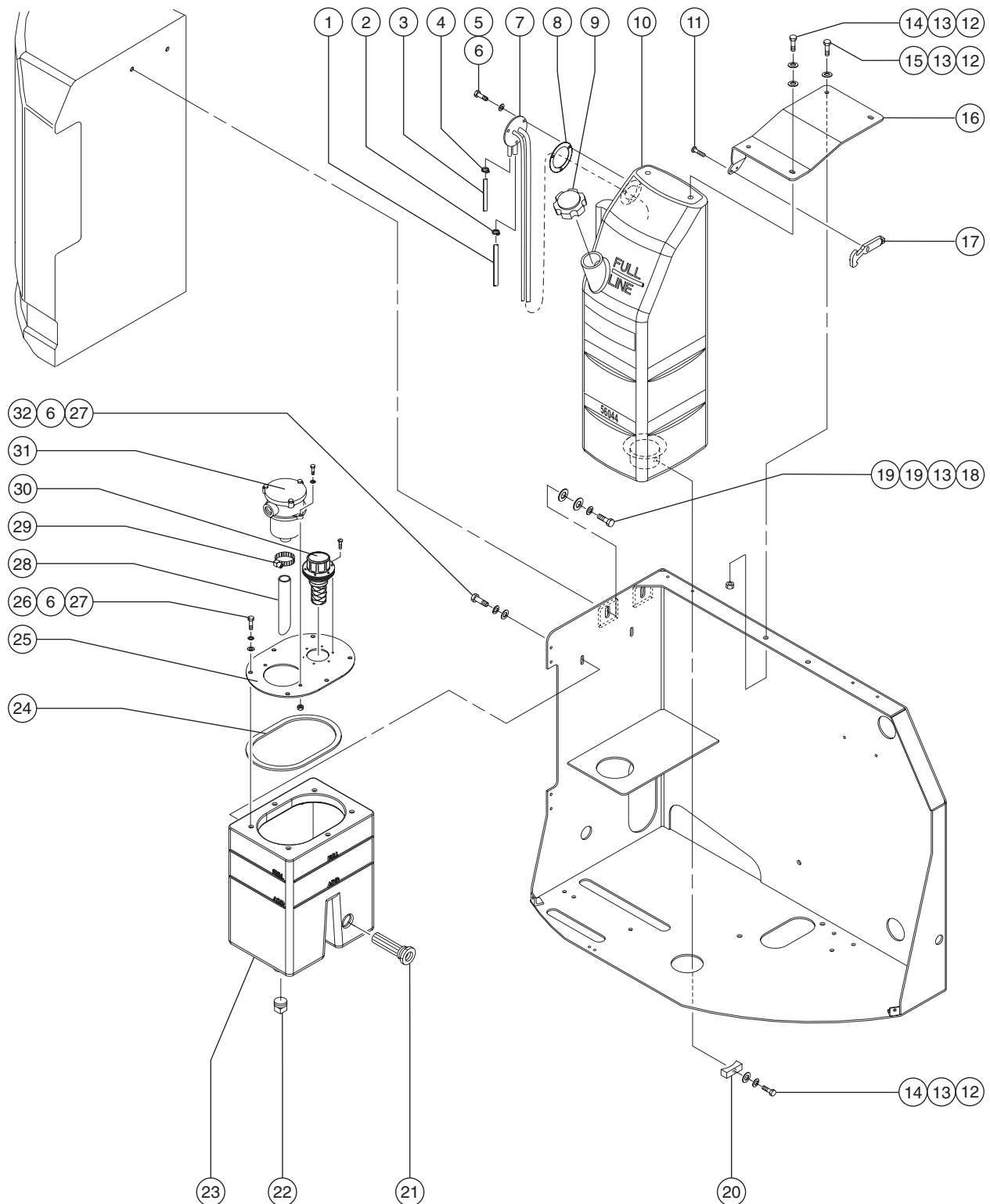
| Figure | Rev | Description                                   |
|--------|-----|-----------------------------------------------|
| 302.1  | D   | Ground Controls Side, Z-34/22N and Z-34/22 DC |



302.1  
Ground Controls Side, Z-34/22N and Z-34/22 DC Rev D

| Item | Part No. | Description                                                                                               | Qty. |
|------|----------|-----------------------------------------------------------------------------------------------------------|------|
| 35   | 56298    | Red Indicator Light, 12V DC .....                                                                         | 1    |
| 36   | 56848    | Lock Washer, Indicator Light Retainer .....                                                               | 1    |
| 37   | 24018    | Circuit Breaker, 15A .....                                                                                | 1    |
| 38   | 44586    | Level Sensor, 4.5°, 1.5 Second Delay (before serial number 4009, Z-34/22N and 3309, Z-34/22DC) .....      | 1    |
| —    | 94077    | Level Sensor, 4.5° (after serial number 4009, Z-34/22N and 5050, Z-34/22DC) .....                         | 1    |
| —    | 110382   | Level Sensor, 2.5° x 4.5° (European models)(after serial number 4009, Z-34/22N and 3309, Z-34/22DC) ..... | 1    |
| —    | 42439    | Level Sensor, 3.0° (Australian Z-34/22N only) .....                                                       | 1    |
| 39   | 8914     | Screw - HHC, 1/4 -20 x 0.63 inch, GR 5                                                                    |      |
| 40   | 6091     | Nylock Nut, 1/4 -20                                                                                       |      |

| Figure | Rev | Description                                      |
|--------|-----|--------------------------------------------------|
| 303.1  | C   | Ground Controls Side - View 1, Z-34/22 Bi-Energy |



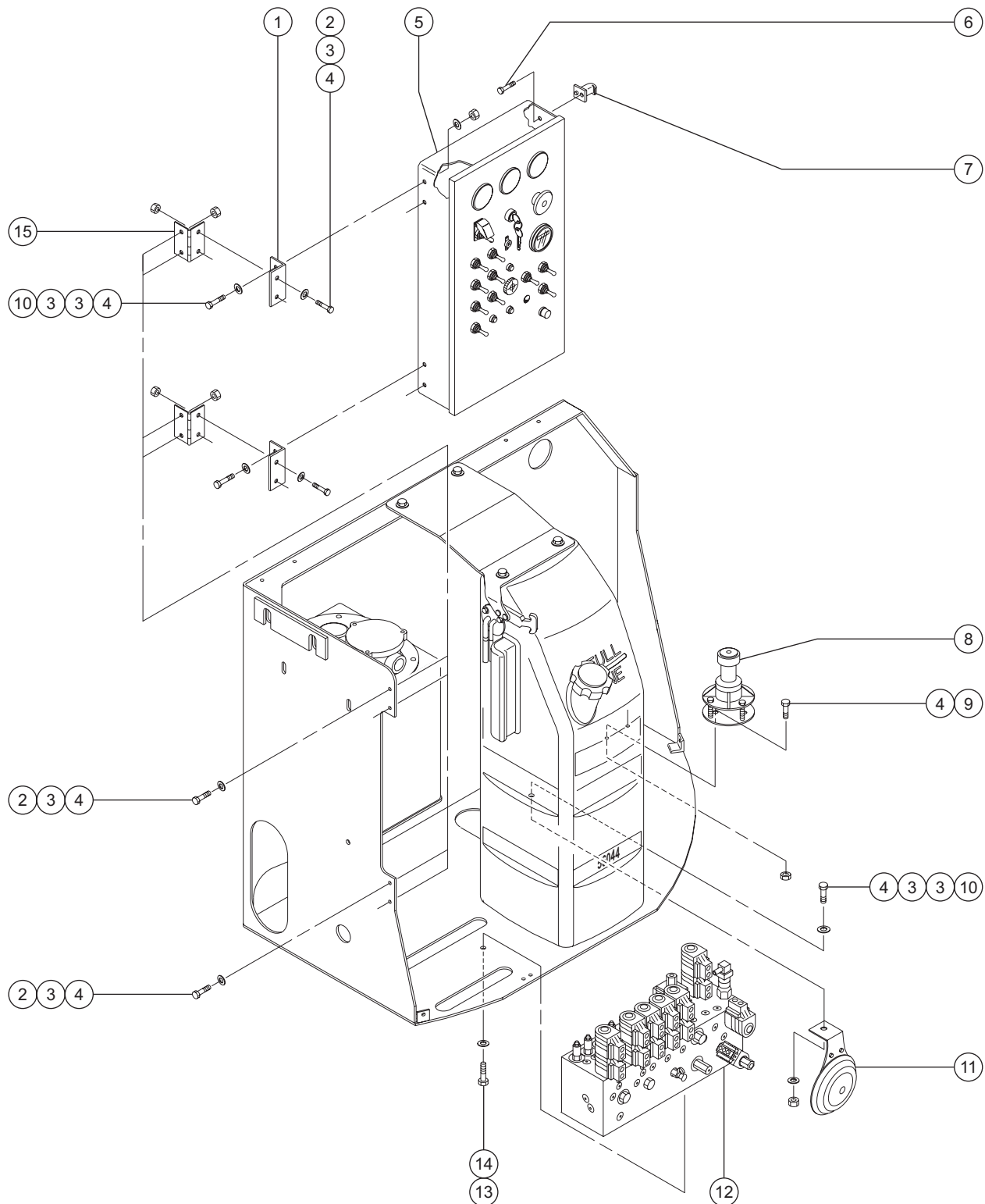
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303.1

Ground Controls Side - View 1, Z-34/22 Bi-Energy Rev C

| Item | Part No. | Description                                                                                | Qty. | Item | Part No. | Description                                                                                                                          | Qty. |
|------|----------|--------------------------------------------------------------------------------------------|------|------|----------|--------------------------------------------------------------------------------------------------------------------------------------|------|
| 1    | 44208    | Fuel Hose, $\frac{5}{16}$ inch ..... 100 inches                                            |      | 27   | 6638     | Flat Washer, $\frac{1}{4}$ inch                                                                                                      |      |
| 2    | 21465    | Hose Clamp, $\frac{1}{2}$ inch ..... 1                                                     | 1    | 28   | 42929    | Filter Return Hose ..... 7 inches                                                                                                    |      |
| 3    | 30490    | Fuel Hose, $\frac{1}{4}$ inch ..... 101 inches                                             |      | 29   | 30348    | Hose Clamp, 1 inch ..... 1                                                                                                           | 1    |
| 4    | 44909    | Hose Clamp, $\frac{1}{4}$ inch ..... 1                                                     | 1    | 30   | 53534    | Cap Assembly - Filler Breather<br>(before serial number 2266)<br>(integrated into return filter after<br>serial number 2265) ..... 1 | 1    |
| 5    | 7339     | Screw - HHC, $\frac{1}{4}$ -20 x 0.625<br>inch, GR 5                                       |      | —    | 53527    | Filler Breather Cap                                                                                                                  |      |
| 6    | 6356     | Lock Washer, $\frac{1}{4}$ inch                                                            |      | 31   | 56437    | Return Filter Assembly<br>(before serial number 2266) ..... 1                                                                        | 1    |
| 7    | 56091    | Fuel Hose Bulkhead ..... 1                                                                 | 1    | —    | 58995    | Element                                                                                                                              |      |
| 8    | 56094    | Fuel Hose Bulkhead Gasket ..... 1                                                          | 1    | —    | 74096    | O-Ring                                                                                                                               |      |
| 9    | 101726   | Vented Cap ..... 1                                                                         | 1    | 31   | 74328    | Return Filter (from serial<br>number 2266 to 3110) ..... 1                                                                           | 1    |
| 10   | 52938-S  | Fuel Tank Assembly,<br>9.3 Gallons / 35.2 liters<br>(includes items 5-9 and 12-14) ..... 1 | 1    | —    | 74346    | Element                                                                                                                              |      |
| 11   | 21019    | Screw - PHM, 10-24 x 0.5 inch,<br>GR 5                                                     |      | 31   | 74633    | Return Filter (from serial<br>number 3111 to 5816) ..... 1                                                                           | 1    |
| 12   | 6175     | Screw - HHC, $\frac{3}{8}$ -16 x 1 inch,<br>GR 5                                           |      | —    | 74634    | Element                                                                                                                              |      |
| 13   | 6021     | Lock Washer, $\frac{3}{8}$ inch                                                            |      | 31   | 110947   | Return Filter (after serial<br>number 5816) ..... 1                                                                                  | 1    |
| 14   | 6097     | Flat Washer, $\frac{3}{8}$ inch                                                            |      | —    | 74634    | Element                                                                                                                              |      |
| 15   | 4828     | Nylock Nut, $\frac{3}{8}$ -16                                                              |      | 32   | 8914     | Screw-HHC, $\frac{1}{4}$ -20 x 0.625<br>inch, GR 5                                                                                   |      |
| 16   | 56052-S  | Fuel Tank Bracket ..... 1                                                                  | 1    |      |          |                                                                                                                                      |      |
| 17   | 56053    | Flexible Latch ..... 1                                                                     | 1    |      |          |                                                                                                                                      |      |
| 18   | 6019     | Screw-HHC, $\frac{3}{8}$ -16 x 1.25<br>inches, GR 5                                        |      |      |          |                                                                                                                                      |      |
| 19   | 15086    | Flat Washer, $\frac{3}{8}$ inch                                                            |      |      |          |                                                                                                                                      |      |
| 20   | 56056    | Spacer ..... 1                                                                             | 1    |      |          |                                                                                                                                      |      |
| 21   | 36998    | Strainer Assembly ..... 1                                                                  | 1    |      |          |                                                                                                                                      |      |
| 22   | 56022    | Magnetic Plug, $\frac{3}{4}$ inch, NPT ..... 1                                             | 1    |      |          |                                                                                                                                      |      |
| 23   | 42772    | Hydraulic Tank (includes item<br>22) ..... 1                                               | 1    |      |          |                                                                                                                                      |      |
| 24   | 42785    | Hydraulic Tank Gasket ..... 1                                                              | 1    |      |          |                                                                                                                                      |      |
| 25   | 42922    | Tank Lid (before serial number<br>2266) ..... 1                                            | 1    |      |          |                                                                                                                                      |      |
| —    | 74088    | Tank Lid (after serial number<br>2265)                                                     |      |      |          |                                                                                                                                      |      |
| 26   | 6090     | Screw - HHC, $\frac{1}{4}$ -20 x 0.75 inch,<br>GR 5                                        |      |      |          |                                                                                                                                      |      |

| Figure | Rev | Description                                      |
|--------|-----|--------------------------------------------------|
| 304.1  | B   | Ground Controls Side - View 2, Z-34/22 Bi-Energy |

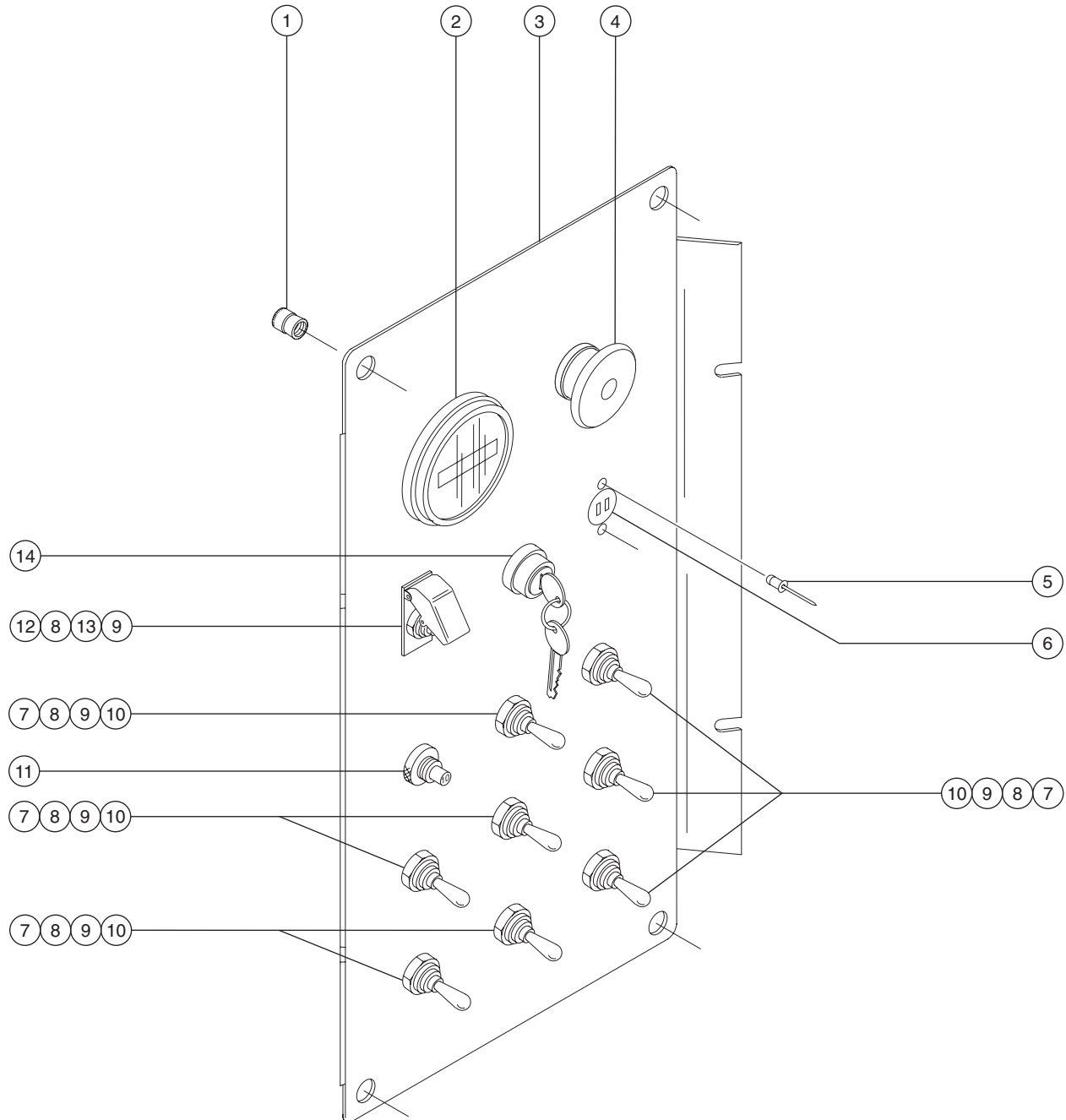


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304.1  
Ground Controls Side - View 2, Z-34/22 Bi-Energy Rev B

| Item | Part No. | Description                                                                        | Qty. |
|------|----------|------------------------------------------------------------------------------------|------|
| 1    | 42067P   | Ground Control Box Mount.....                                                      | 2    |
| 2    | 6090     | Screw - HHC, 1/4 -20 x 0.75 inch,<br>GR 5                                          |      |
| 3    | 6638     | Flat Washer, 1/4 inch                                                              |      |
| 4    | 6091     | Nylock Nut, 1/4 -20                                                                |      |
| 5    | Ref.     | Ground Controls (refer to 307.1)                                                   |      |
| 6    | 21019    | Screw-PHM, 10-24 x 0.5 inch,<br>GR 2                                               |      |
| 7    | 56053    | Flexible Latch .....                                                               | 1    |
| 8    | 44586    | Level Sensor, 4.5°, 1.5 Second<br>Delay (before serial<br>number 3309) .....       | 1    |
| —    | 94077    | Level Sensor, 4.5° (from<br>serial number 3309 to 4911) .....                      | 1    |
| —    | 110382   | Level Sensor, 2.5° x 4.5°<br>(European models) (after<br>serial number 4911) ..... | 1    |
| 9    | 8914     | Screw - HHC, 1/4 -20 x 0.625<br>inch, GR 5                                         |      |
| 10   | 6888     | Screw - HHC, 1/4 -20 x 1 inch,<br>GR 5                                             |      |
| 11   | 56265    | Horn, 24V DC .....                                                                 | 1    |
| 12   | Ref.     | Function Manifold (refer to<br>701.1)                                              |      |
| 13   | 6175     | Screw - HHC, 3/8 -16 x 1 inch,<br>GR 5                                             |      |
| 14   | 6021     | Lock Washer, 3/8 -16                                                               |      |
| 15   | 42077    | Hinge .....                                                                        | 2    |

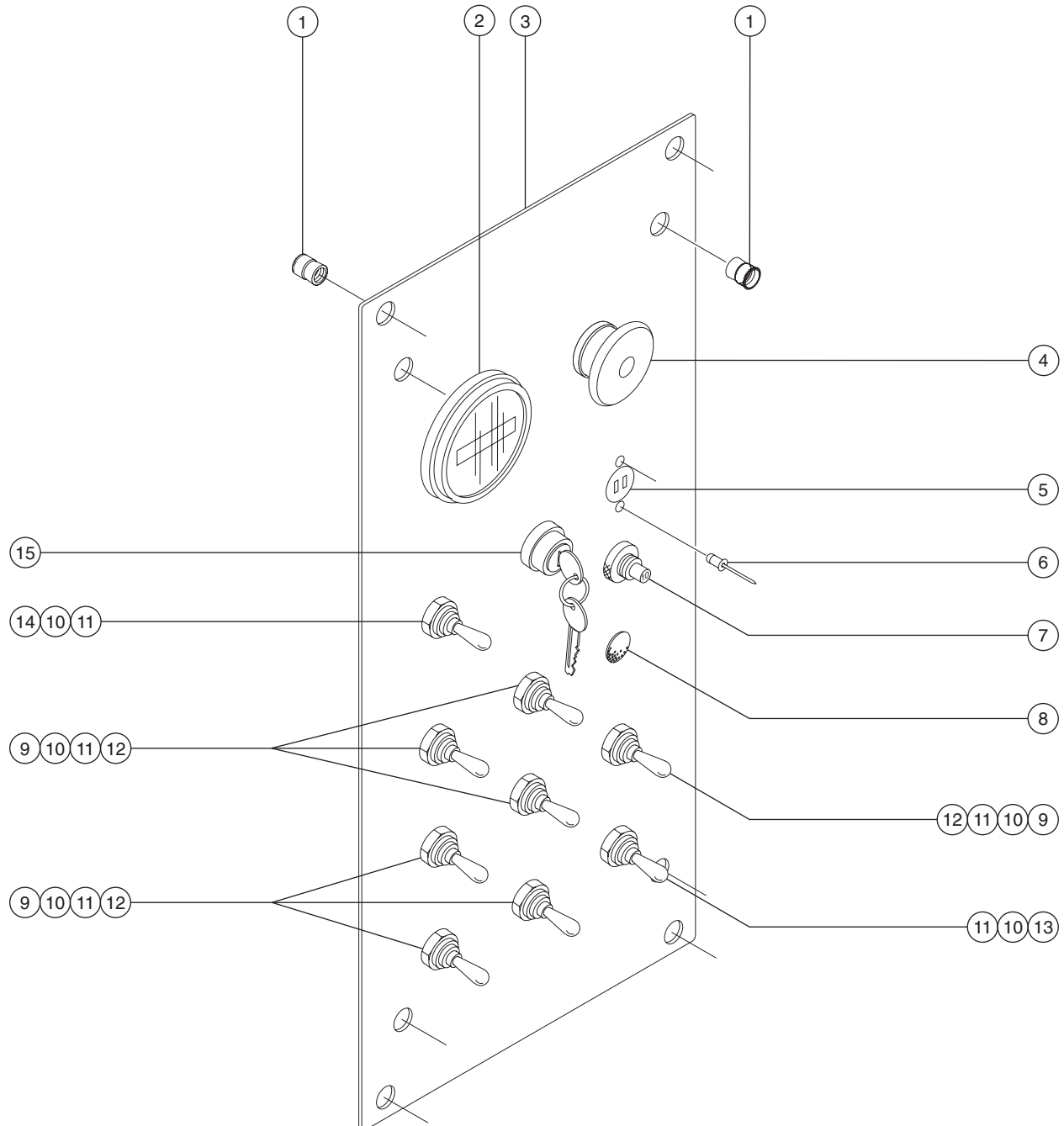
| Figure | Rev | Description                                                                |
|--------|-----|----------------------------------------------------------------------------|
| 305.1  | B   | Ground Controls (before serial number 2534, Z-34/22N and 1885, Z-34/22 DC) |



305.1  
Ground Controls, Z-34/22N and Z-34/22 DC Rev B

| Item | Part No. | Description                                          | Qty. |
|------|----------|------------------------------------------------------|------|
| 1    | 23404    | Nutsert, 1/4 -20 .....                               | 2    |
| 2    | 19506    | Hour Meter, 10-80V DC .....                          | 1    |
| 3    | 37129    | Ground Control Panel Assembly<br>with Decal .....    | 1    |
| 4    | 32614    | Red Mushroom Head<br>Push Button .....               | 1    |
| —    | 32615    | Base                                                 |      |
| —    | 29732    | N.C. Contact                                         |      |
| 5    | 6272     | Rivet, 0.125 x 0.25 inch                             |      |
| 6    | 13511    | Snap-in Receptacle .....                             | 1    |
| —    | 13930    | Remote Brake Release Switch                          |      |
| 7    | 16397    | Toggle Switch - DPDT,<br>3 Position, Momentary ..... | 8    |
| 8    | 27246    | Toggle Switch Boot.....                              | 9    |
| 9    | 54692    | Nylon Spacer,<br>0.718 x 0.526 x 0.219 inch          |      |
| 10   | 19268    | Diode Assembly .....                                 | 8    |
| 11   | 24018    | Circuit Breaker, 15A .....                           | 1    |
| 12   | 13480    | Toggle Switch - DPDT,<br>2 Position, Momentary ..... | 1    |
| 13   | 13471    | Red Toggle Switch Cover .....                        | 1    |
| 14   | 32612    | Key Switch, 3 Position .....                         | 1    |
| —    | 32613    | Base                                                 |      |
| —    | 45081    | N.O. Contact                                         |      |
| —    | 21982    | Key                                                  |      |
| —    | 37947    | Key, Package of 10                                   |      |

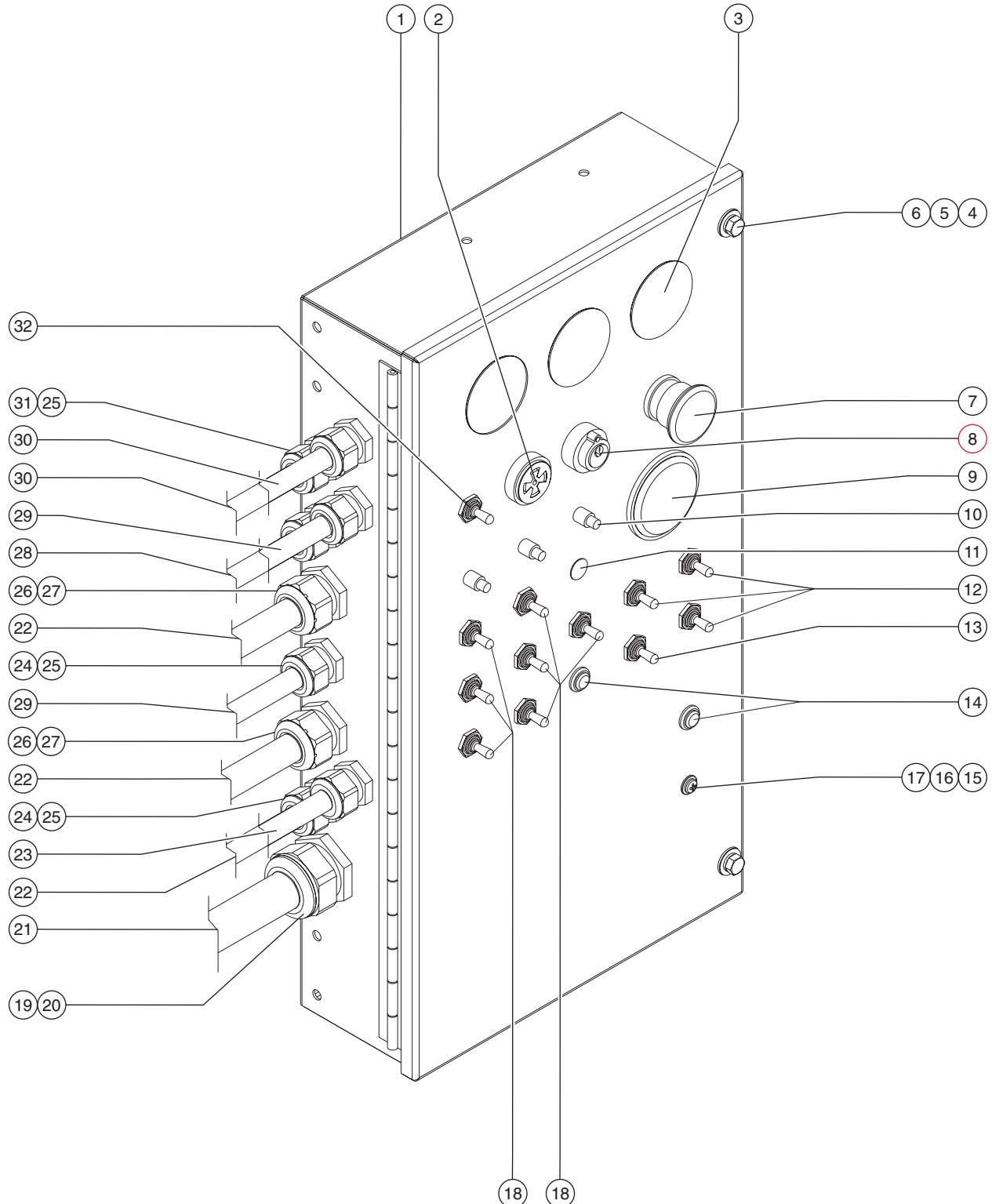
| Figure | Rev | Description                                                              |
|--------|-----|--------------------------------------------------------------------------|
| 306.1  | C   | Ground Controls (after serial number 2533, Z-34/22N and 1884, Z-34/22DC) |



306.1  
Ground Controls, Z-34/22N and Z-34/22DC Rev C

| Item | Part No. | Description                                                                                                                              | Qty. |
|------|----------|------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1    | 23404    | Nutsert, 1/4 -20 .....                                                                                                                   | 2    |
| 2    | 19506    | Hour Meter, 10-80V DC .....                                                                                                              | 1    |
| 3    | 74322    | Ground Control Panel Assembly<br>with Decal (includes item 1)<br>(shown) (before serial number<br>4261, Z-34/22N and 3578,<br>Z-34/22DC) |      |
| —    | 101965   | Ground Control Panel Assembly<br>with Decal (includes item 1)<br>(after serial number 4260,<br>Z-34/22N and 3577, Z-34/22DC)             |      |
| 4    | 32614    | Red Mushroom Head<br>Push Button (before serial<br>number 4261, Z-34/22N and<br>3578, Z-34/22 DC) .....                                  | 1    |
| —    | 32615    | Base                                                                                                                                     |      |
| —    | 29732    | N.C. Contact                                                                                                                             |      |
| 4    | 66812    | Red Mushroom Head<br>Push Button (after serial<br>number 4260, Z-34/22N and<br>3577, Z-34/22 DC) .....                                   | 1    |
| —    | 66817    | Base (includes contact)                                                                                                                  |      |
| —    | 29732    | N.C. Contact                                                                                                                             |      |
| 5    | 13511    | Snap-in Receptacle .....                                                                                                                 | 1    |
| —    | 13930    | Remote Brake Release Switch                                                                                                              |      |
| 6    | 6272     | Rivet, 0.125 x 0.25 inch                                                                                                                 |      |
| 7    | 24018    | Circuit Breaker, 15A .....                                                                                                               | 1    |
| 8    | 45384    | Black Plastic Plug, 1/2 inch .....                                                                                                       | 1    |
| 9    | 16397    | Toggle Switch - DPDT,<br>3 position, Momentary .....                                                                                     | 7    |
| 10   | 27246    | Toggle Switch Boot.....                                                                                                                  | 9    |
| 11   | 56492    | Spacer - Nylon,<br>0.718 x 0.526 x 0.219 inch                                                                                            |      |
| 12   | 19268    | Diode Assembly .....                                                                                                                     | 7    |
| 13   | 13037    | Toggle Switch - SPDT,<br>3 Position, Momentary .....                                                                                     | 1    |
| 14   | 42730    | Toggle Switch - SPDT,<br>2 Position, Momentary .....                                                                                     | 1    |
| 15   | 96008    | Key Switch, 3 Position .....                                                                                                             | 1    |
| —    | 32615    | Base w/ Contact                                                                                                                          |      |
| —    | 29732    | N.C. Contact                                                                                                                             |      |
| —    | 21982    | Key                                                                                                                                      |      |
| —    | 37947    | Key, Package of 10                                                                                                                       |      |

| Figure | Rev | Description                                 |
|--------|-----|---------------------------------------------|
| 307.1  | B   | Ground Controls - View 1, Z-34/22 Bi-energy |

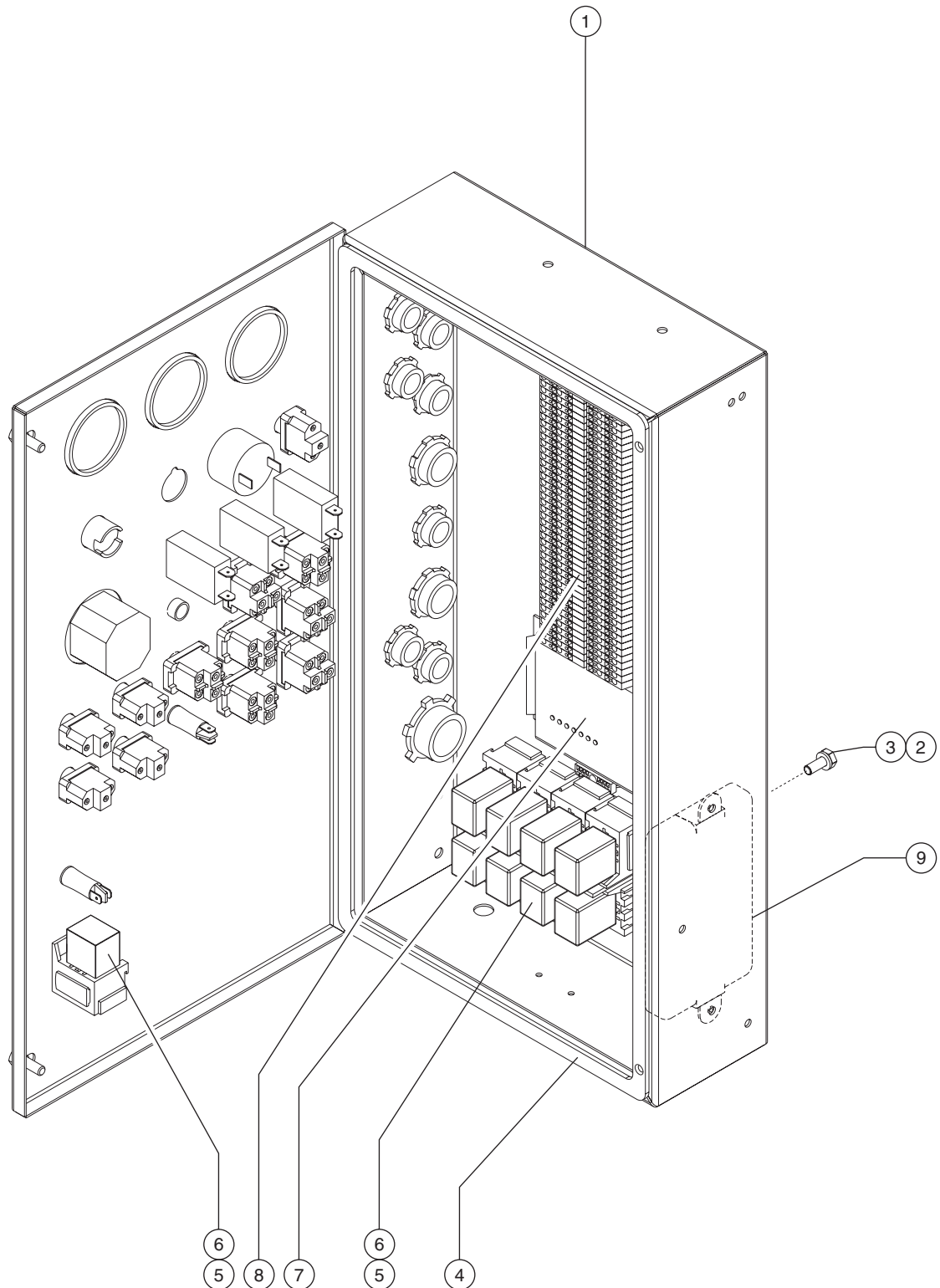


307.1

Ground Controls - View 1, Z-34/22 Bi-energy Rev B

| Item | Part No. | Description                                            | Qty. | Item | Part No. | Description                                      | Qty.       |
|------|----------|--------------------------------------------------------|------|------|----------|--------------------------------------------------|------------|
| 1    | 106056   | Ground Control Box with Decal and Gasket .....         | 1    | 21   | Ref.     | Engine Wire Harness (Consult Factory)            |            |
| 2    | 18963    | Intermittent Tone Alarm, 6-30V DC .....                | 1    | 22   | 35934    | Electrical Cord, 18 Gauge, 19 conductor, 2 ..... | 618 inches |
| 3    | 45840    | Black Plastic Plug, 2 inches .....                     | 3    | 23   | 43955    | Electrical Cord, 12 Gauge, 4 Conductor SJO ..... | 82 inches  |
| 4    | 6090     | Screw - HHC, 1/4 -20 x 0.75 inch, GR 5                 |      | 24   | 7057     | Squeeze Connector, 1/2 inch NPT .....            | 2          |
| 5    | 6356     | Lock Washer, 1/4 inch                                  |      | 25   | 6935     | Electrical Locknut, 1/2 inch .....               | 2          |
| 6    | 23404    | Nutsert, 1/4 -20                                       |      | 26   | 12960    | Squeeze Connector, 3/4 inch .....                | 2          |
| 7    | 66812    | Red Mushroom Head Push Button .....                    | 1    | 27   | 14041    | Electrical Locknut, 3/4 inch .....               | 2          |
| —    | 66817    | Push Button Base                                       |      | 28   | 44133    | Electrical Cord, 16 Gauge, 4 Conductor SJO ..... | 82 inches  |
| —    | 29732    | N.C. Contact                                           |      | 29   | 44133    | Electrical Cord, 16 Gauge, 4 Conductor SJO ..... | 264 inches |
| 8    | 96008    | Key Switch .....                                       | 1    | 30   | 43958    | Electrical Cord, 16 Gauge, 2 Conductor SJO ..... | 276 inches |
| —    | 94506    | Key Switch Base                                        |      | 31   | 7056     | Squeeze Connector, 1/2 inch NPT .....            | 4          |
| —    | 88827    | Gasket                                                 |      | 32   | 13480    | Toggle Switch, DPST, 2 Position, Momentary ..... | 1          |
| —    | 21982    | Key                                                    |      | —    | 27246    | Rubber Boot                                      |            |
| —    | 37947    | Key, Package of 10                                     |      |      |          |                                                  |            |
| 9    | 56100    | Hour Meter, 9-60V DC (before serial number 3218) ..... | 1    |      |          |                                                  |            |
| —    | 19506    | Hour Meter, 10-80V DC (after serial number 3217)       |      |      |          |                                                  |            |
| 10   | 24018    | Circuit Breaker, 15A .....                             | 1    |      |          |                                                  |            |
| 11   | 45384    | Black Plastic Plug, 1/2 inch .....                     | 1    |      |          |                                                  |            |
| 12   | 13037    | Toggle Switch - SPDT, 3 Position, Momentary .....      | 3    |      |          |                                                  |            |
| —    | 27246    | Rubber Boot                                            |      |      |          |                                                  |            |
| 13   | 27378    | Toggle Switch - DPDT, 2 Position, Maintained .....     | 1    |      |          |                                                  |            |
| —    | 27246    | Rubber Boot                                            |      |      |          |                                                  |            |
| 14   | 56298    | Red Indicator Light, 12V DC .....                      | 2    |      |          |                                                  |            |
| 15   | 49819    | Screw-PHM, 10-32 x 0.5 inch, GR 5                      |      |      |          |                                                  |            |
| 16   | 6146     | Flat Washer, #10                                       |      |      |          |                                                  |            |
| 17   | 6178     | Nylock Nut, 10-32                                      |      |      |          |                                                  |            |
| 18   | 16397    | Toggle Switch, DPDT, 3 Position, Momentary .....       | 7    |      |          |                                                  |            |
| —    | 27246    | Rubber Boot                                            |      |      |          |                                                  |            |
| 19   | 20776    | Squeeze Connector, 1 inch .....                        | 1    |      |          |                                                  |            |
| 20   | 18665    | Electrical Locknut, 1 inch .....                       | 1    |      |          |                                                  |            |

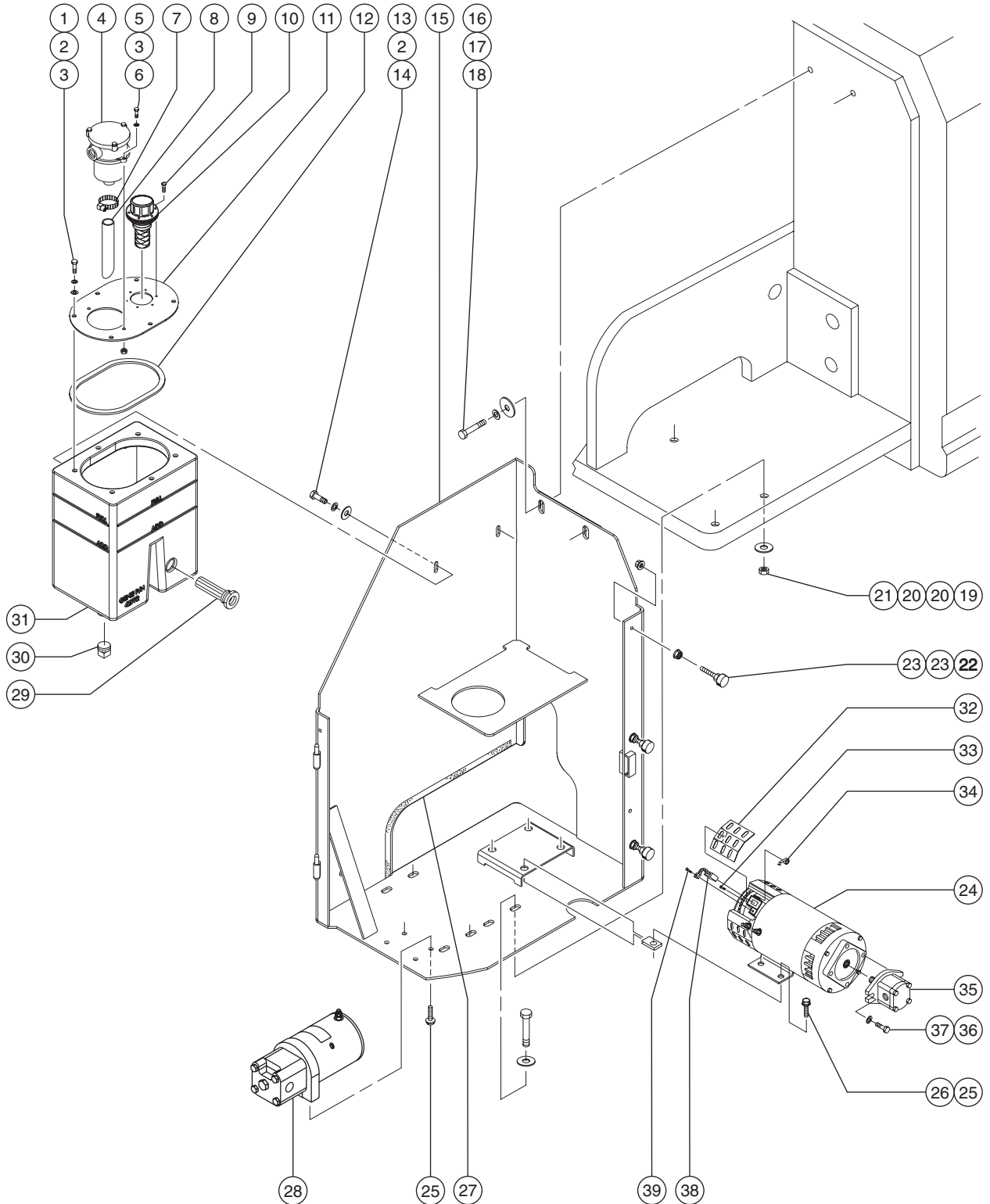
| Figure | Rev | Description                                 |
|--------|-----|---------------------------------------------|
| 308.1  | B   | Ground Controls - View 2, Z-34/22 Bi-energy |



308.1  
Ground Controls - View 2, Z-34/22 Bi-energy Rev B

| Item | Part No. | Description                                                    | Qty.         |
|------|----------|----------------------------------------------------------------|--------------|
| 1    | 106056   | Ground Control Box with Decal and Gasket .....                 | 1            |
| 2    | 8914     | Screw-HHC, 1/4 -20 x 0.625 inch, GR 5                          |              |
| 3    | 6356     | Lock Washer, 1/4 inch                                          |              |
| 4    | 42065    | Ground Control Box Gasket .....                                | 1            |
| 5    | 56302    | Relay, 24V DC, 40/30A .....                                    | 8            |
| 6    | 34053    | Relay Socket .....                                             | 8            |
| 7    | 56057    | Ignition/Start Module .....                                    | 1            |
| 8    | 56215    | Terminal Rail Assembly (before serial number 3256) .....       | 1            |
| —    | 25974    | Plastic End Stop .....                                         | 2            |
| —    | 25837    | Terminal Block End Plate .....                                 | 1            |
| —    | 25836    | Terminal Block, 4 Wire .....                                   | 40           |
| —    | 36871    | DIN Rail .....                                                 | 14.75 inches |
| —    | 56648    | Terminal Block, 3 Wire .....                                   | 9            |
| 8    | 74929    | Terminal Rail Assembly (from serial number 3256 to 3577) ..... | 1            |
| —    | 74913    | Plastic End Stop .....                                         | 2            |
| —    | 74912    | Terminal Block End Plate .....                                 | 1            |
| —    | 74911    | Terminal Block, 4 Wire .....                                   | 44           |
| —    | 36871    | DIN Rail .....                                                 | 14.75 inches |
| —    | 74917    | Jumper Comb, 2-way .....                                       | 3            |
| 8    | 94744    | Terminal Rail Assembly (after serial number 3577) .....        | 1            |
| —    | 74913    | Plastic End Stop .....                                         | 2            |
| —    | 74912    | Terminal Block End Plate .....                                 | 1            |
| —    | 74911    | Terminal Block, 4 Wire .....                                   | 45           |
| —    | 36871    | DIN Rail .....                                                 | 14.75 inches |
| —    | 74917    | Jumper Comb, 2-way .....                                       | 3            |
| 9    | 111091   | Platform Overload Module (option) .....                        | 1            |
| —    | 96010    | Screw, 8-32 x 0.5 inch                                         |              |
| —    | 18605    | Nylock Nut, 8-32                                               |              |

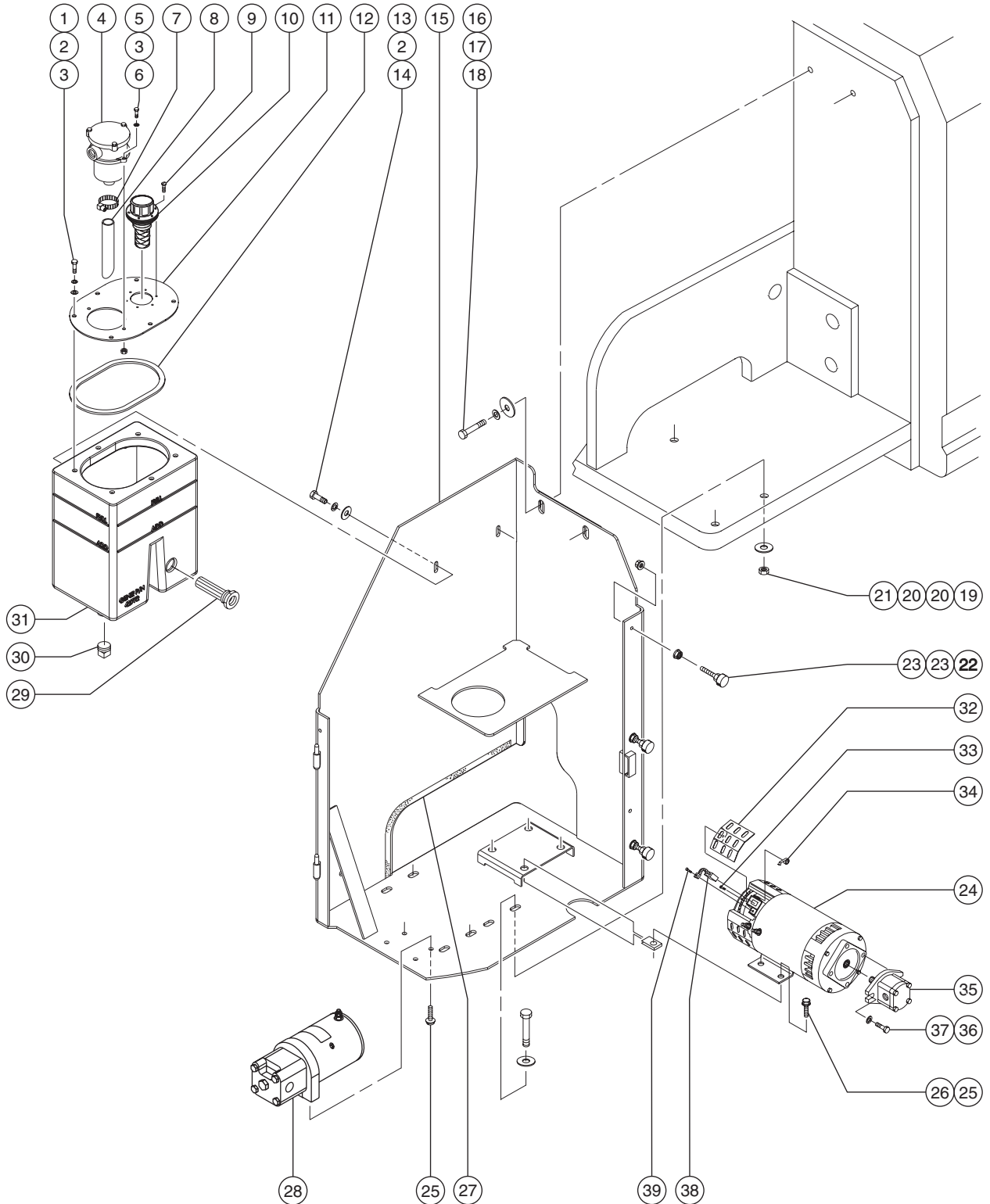
| Figure | Rev | Description                                       |
|--------|-----|---------------------------------------------------|
| 309.1  | C   | Hydraulic Power Unit Side - Z-34/22N & Z-34/22 DC |



309.1  
Hydraulic Power Unit Side - Z-34/22N & Z-34/22 DC Rev C

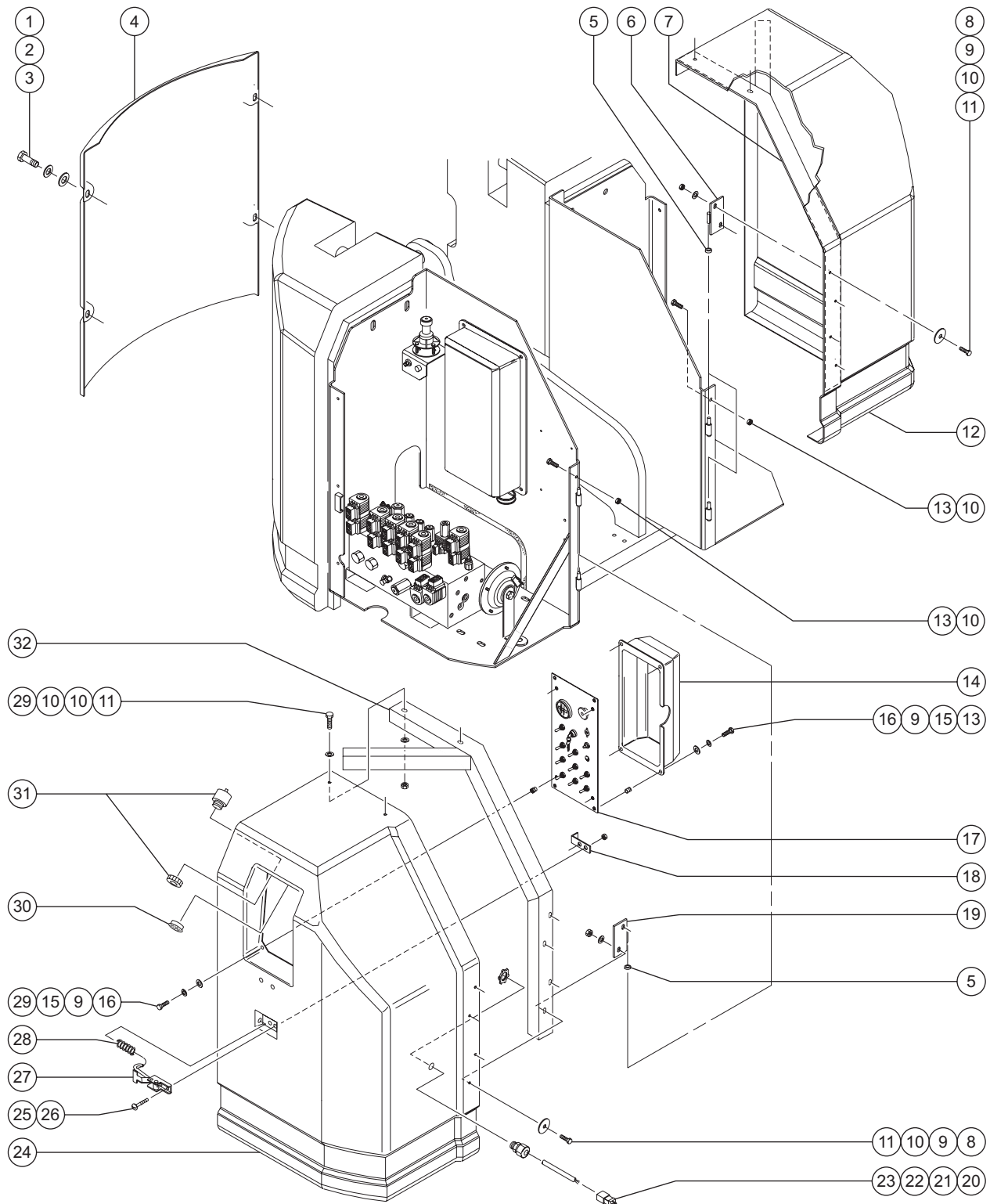
| Item | Part No. | Description                                                                                                                                                                                    | Qty. | Item                                     | Part No. | Description                                                                      | Qty. |
|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|----------|----------------------------------------------------------------------------------|------|
| 1    | 6090     | Screw - HHC, 1/4 -20 x 0.75 inch, GR 5                                                                                                                                                         |      | 11                                       | 42922    | Tank Lid (shown) (before serial number 3033, Z-34/22N and 2266, Z-34/22DC) ..... | 1    |
| 2    | 6356     | Lock Washer, 1/4 inch                                                                                                                                                                          |      | —                                        | 74088    | Tank Lid (after serial number 3032, Z-34/22N and 2265, Z-34/22DC)                |      |
| 3    | 6638     | Flat Washer, 1/4 inch                                                                                                                                                                          |      | 12                                       | 42785    | Gasket .....                                                                     | 1    |
| 4    | 56437    | Return Filter Assembly (before serial number 3033, Z-34/22N and 2266, Z-34/22DC) .....                                                                                                         | 1    | 13                                       | 8914     | Screw - HHC, 1/4 -20 x 0.63 inch, GR 5                                           |      |
| —    | 58995    | Element                                                                                                                                                                                        |      | 14                                       | 12906    | Fender Washer, 0.285 x 1.28 x 0.063 inch                                         |      |
| —    | 74096    | O-Ring                                                                                                                                                                                         |      | 15                                       | 42992-S  | Turntable Cover Support .....                                                    | 1    |
| 4    | 74328    | Return Filter (from serial number 3033 to 3659, Z-34/22N and 2266 to 3110, Z-34/22DC) .....                                                                                                    | 1    | 16                                       | 6019     | Screw - HHC, 3/8 -16 x 1.25 inches, GR 5                                         |      |
| —    | 74346    | Element                                                                                                                                                                                        |      | 17                                       | 6021     | Lock Washer, 3/8 inch                                                            |      |
| 4    | 74633    | Return Filter (from serial number 3660 to 8610, Z-34/22N and 3111 to 5816, Z-34/22DC) .....                                                                                                    | 1    | 18                                       | 15086    | Flat Washer, 5/16 inch                                                           |      |
| —    | 74634    | Element                                                                                                                                                                                        |      | 19                                       | 4828     | Nylock Nut, 3/8 -16                                                              |      |
| 4    | 110947   | Return Filter (after serial number 8610, Z-34/22N and 5816, Z-34/22DC) .....                                                                                                                   | 1    | 20                                       | 6097     | Flat Washer, 3/8 inch                                                            |      |
| —    | 74634    | Element                                                                                                                                                                                        |      | 21                                       | 14033    | Screw - HHC, 3/8 -16 x 2.75 inches, GR 5                                         |      |
| 5    | 6888     | Screw - HHC, 1/4 -20 x 1 inch, GR 5 (before serial number 3033, Z-34/22N and 2266, Z-34/22DC)                                                                                                  |      | 22                                       | 36388    | Rubber Bumper with Stud, 1/4 -20 x 0.75 inch .....                               | 3    |
| —    | 8915     | Screw - HHC, 1/4 -20 x 1.25 inches, GR 5 (after serial number 3032, Z-34/22N and 2265, Z-34/22DC)                                                                                              |      | 23                                       | 18504    | Locking Flange Nut, 1/4 -20                                                      |      |
| 6    | 6091     | Nylock Nut, 1/4 -20                                                                                                                                                                            |      | 24                                       | 94196    | Motor Assembly, 48V DC .....                                                     | 1    |
| 7    | 30348    | Hose Clamp, 1 inch .....                                                                                                                                                                       | 1    | 25                                       | 18506    | Locking Flange Screw, 5/16 -18 x 0.75 inch                                       |      |
| 8    | 42929    | Hydraulic Return Filter Hose .....                                                                                                                                                             | 1    | 26                                       | 36456    | Spring Clip, 5/16 -18                                                            |      |
| 9    | 49819    | Screw - PHM, 10-32 x 0.5 inch, GR 2 (before serial number 3033, Z-34/22N and 2266, Z-34/22DC)                                                                                                  |      | 27                                       | 19018    | Trimlock, 5/32 inch .....                                                        | 1    |
| 10   | 53534    | Filler Breather Cap Assembly, 3 Micron, (before serial number 3033, Z-34/22N and 2266, Z-34/22DC) (integrated into return filter after serial number 3032, Z-34/22N and 2265, Z-34/22DC) ..... | 1    | <b>This list continues on next page.</b> |          |                                                                                  |      |
| —    | 53527    | Filler Breather Cap                                                                                                                                                                            |      |                                          |          |                                                                                  |      |

| Figure | Rev | Description                                       |
|--------|-----|---------------------------------------------------|
| 309.1  | C   | Hydraulic Power Unit Side - Z-34/22N & Z-34/22 DC |



| Item | Part No. | Description                                             | Qty. |
|------|----------|---------------------------------------------------------|------|
| 28   | 36179    | Auxiliary Power Unit, 24V DC .....                      | 1    |
| —    | 37187    | Seal Kit                                                |      |
| —    | 37186    | Check Valve                                             |      |
| —    | 37185    | Pump Assembly                                           |      |
| —    | 37184    | Motor, 24V DC                                           |      |
| —    | 37191    | Gasket                                                  |      |
| —    | 37192    | Coupler                                                 |      |
| 29   | 36998    | Strainer Assembly,<br>1 inch NPTM x 1/2 inch NPTF ..... | 1    |
| 30   | 56022    | Magnetic Plug, 3/4 inch, NPT .....                      | 1    |
| 31   | 42772    | Hydraulic Tank,<br>4 gallon / 15.14 liter .....         | 1    |
| 32   | 58936    | Brush Cover Plate                                       |      |
| 33   | 52914    | Screw - Tapetite, 8-32 x 0.38<br>inch                   |      |
| 34   | 58933    | Brush Spring Set                                        |      |
| 35   | 77981    | Lift Pump, 3cc .....                                    | 1    |
| —    | 77990    | Seal Kit                                                |      |
| 36   | 32317    | Screw - HHC, 3/8 -24 x 1 inch,<br>GR 8 .....            | 2    |
| 37   | 6021     | Lock Washer, 3/8 inch                                   |      |
| 38   | 58932    | Brush Set                                               |      |
| 39   | 52913    | Screw - Tapetite, 8-32 x 0.5 inch                       |      |

| Figure | Rev | Description                              |
|--------|-----|------------------------------------------|
| 310.1  | B   | Turntable Covers - Z-34/22N & Z-34/22 DC |



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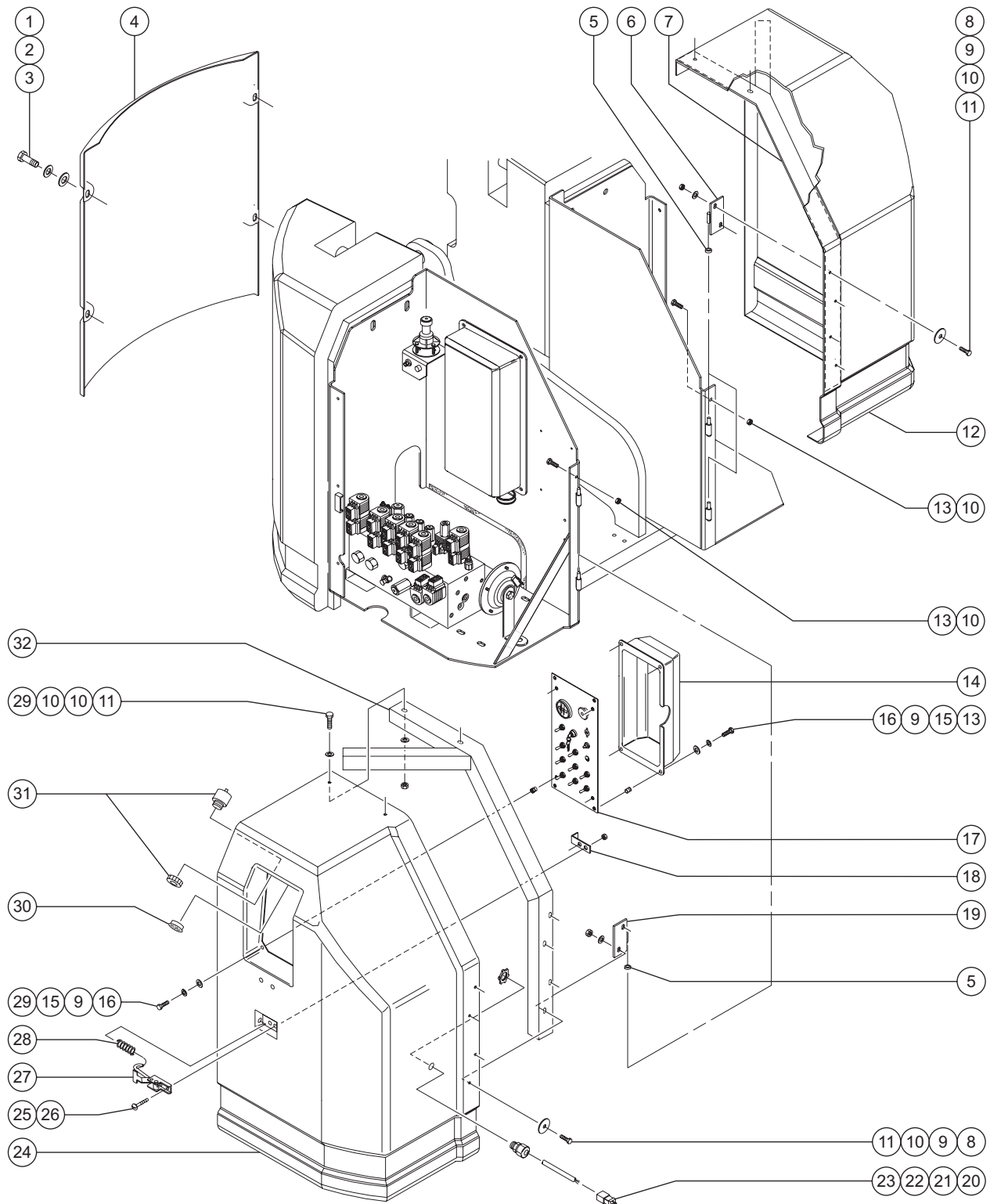
310.1  
Turntable Covers - Z-34/22N & Z-34/22 DC Rev B

| Item | Part No. | Description                                                                                                                                                | Qty. | Item | Part No. | Description                                                                                                                                                                       | Qty. |
|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1    | 6175     | Screw - HHC, $\frac{3}{8}$ -16 x 1 inch, GR 5                                                                                                              |      | 21   | 43956    | Electrical Cord, 14 Gauge / 2.8 mm <sup>2</sup> , 3 Conductor TPE JKT                                                                                                             |      |
| 2    | 6021     | Lock Washer, $\frac{3}{8}$ inch                                                                                                                            |      | 22   | 7056     | Squeeze Connector, $\frac{1}{2}$ inch NPT .....                                                                                                                                   | 1    |
| 3    | 6097     | Flat Washer, $\frac{3}{8}$ inch                                                                                                                            |      | 23   | 6935     | Electric Locknut, $\frac{1}{2}$ inch .....                                                                                                                                        | 1    |
| 4    | 56160    | Counterweight Cover .....                                                                                                                                  | 1    | 24   | 40443    | Cover Assembly with Decals - Ground Controls Side, ANSI (before serial number 2534, Z-34/22N and 1884, Z-34/22 DC) (includes items 8-11, 18, 19, 25-28 and 32) .....              | 1    |
| 5    | 36457    | Thrust Washer, 0.313 x 0.5 x 0.1 inch                                                                                                                      |      | —    | 74806    | Cover Assembly with Decals - Ground Controls Side, CE (before serial number 2534, Z-34/22N and 1884, Z-34/22 DC) (includes items 8-11, 18, 19, 25-28 and 32)                      |      |
| 6    | 36414    | Cover Hinge, Hydraulic Power Unit Side .....                                                                                                               | 4    | 24   | 62503    | Cover Assembly with Decals - Ground Controls Side, ANSI (from serial number 2533 to 4259, Z-34/22N and 1883 to 3576, Z-34/22DC) (includes items 8-11, 18, 19, 25-28 and 32) ..... | 1    |
| 7    | 36923P   | Turntable Cover Support, Hydraulic Power Unit Side .....                                                                                                   | 1    | —    | 74805    | Cover Assembly with Decals - Ground Controls Side, CE (from serial number 2533 to 4259, Z-34/22N and 1883 to 3576, Z-34/22DC) (includes items 8-11, 18, 19, 25-28 and 32)         |      |
| 8    | 6888     | Screw - HHC, $\frac{1}{4}$ -20 x 1 inch, GR 5                                                                                                              |      | 24   | 106216   | Cover Assembly with Word Decals - Ground Controls Side (after serial number 4259, Z-34/22N and 3576, Z-34/22DC) (includes items 8-11, 18, 19, 25-28 and 32) .....                 | 1    |
| 9    | 12906    | Fender Washer, 0.285 x 1.28 x 0.063 inch                                                                                                                   |      | —    | 106217   | Cover Assembly with Symbol Decals -Ground Controls Side (after serial number 4259, Z-34/22N and 3576, Z-34/22DC) (includes items 8-11, 18, 19, 25-28 and 32)                      |      |
| 10   | 6638     | Flat Washer, $\frac{1}{4}$ inch                                                                                                                            |      | 25   | 49816    | Screw-PHM, 10-32 x 0.75 inch, GR 2                                                                                                                                                |      |
| 11   | 6091     | Nylock Nut, $\frac{1}{4}$ -20                                                                                                                              |      |      |          |                                                                                                                                                                                   |      |
| 12   | 40444    | Cover Assembly with Decals - Hydraulic Power Unit Side (before serial number 2534, Z-34/22N and 1884, Z-34/22DC) (includes items 6-10, 18 and 25-28) ..... | 1    |      |          |                                                                                                                                                                                   |      |
| —    | 62502    | Cover Assembly with Decals - Hydraulic Power Unit Side (after serial number 2533, Z-34/22N and 1883, Z-34/22DC) (includes items 6-10, 18 and 25-28)        |      |      |          |                                                                                                                                                                                   |      |
| 13   | 8914     | Screw - HHC, $\frac{1}{4}$ -20 x 0.63 inch, GR 5                                                                                                           |      |      |          |                                                                                                                                                                                   |      |
| 14   | 36257    | Control Panel Cover .....                                                                                                                                  | 1    |      |          |                                                                                                                                                                                   |      |
| 15   | 6356     | Lock Washer, $\frac{1}{4}$ inch                                                                                                                            |      |      |          |                                                                                                                                                                                   |      |
| 16   | 23404    | Nutsert, $\frac{1}{4}$ -20                                                                                                                                 |      |      |          |                                                                                                                                                                                   |      |
| 17   | Ref.     | Ground Controls (refer to 306.1)                                                                                                                           |      |      |          |                                                                                                                                                                                   |      |
| 18   | 36570    | Cover Latch Bracket .....                                                                                                                                  | 1    |      |          |                                                                                                                                                                                   |      |
| 19   | 36415    | Turnable Cover Hinge, Ground Controls Side .....                                                                                                           | 1    |      |          |                                                                                                                                                                                   |      |
| 20   | 6595     | Electrical Plug, Domestic .....                                                                                                                            | 1    |      |          |                                                                                                                                                                                   |      |
| —    | 12153    | Plug, 16A, 3 Pin                                                                                                                                           |      |      |          |                                                                                                                                                                                   |      |
| —    | 25388    | Fused Plug, 250V DC, 13A                                                                                                                                   |      |      |          |                                                                                                                                                                                   |      |
| —    | 65737    | Fuse, 13A                                                                                                                                                  |      |      |          |                                                                                                                                                                                   |      |

This list continues on next page.



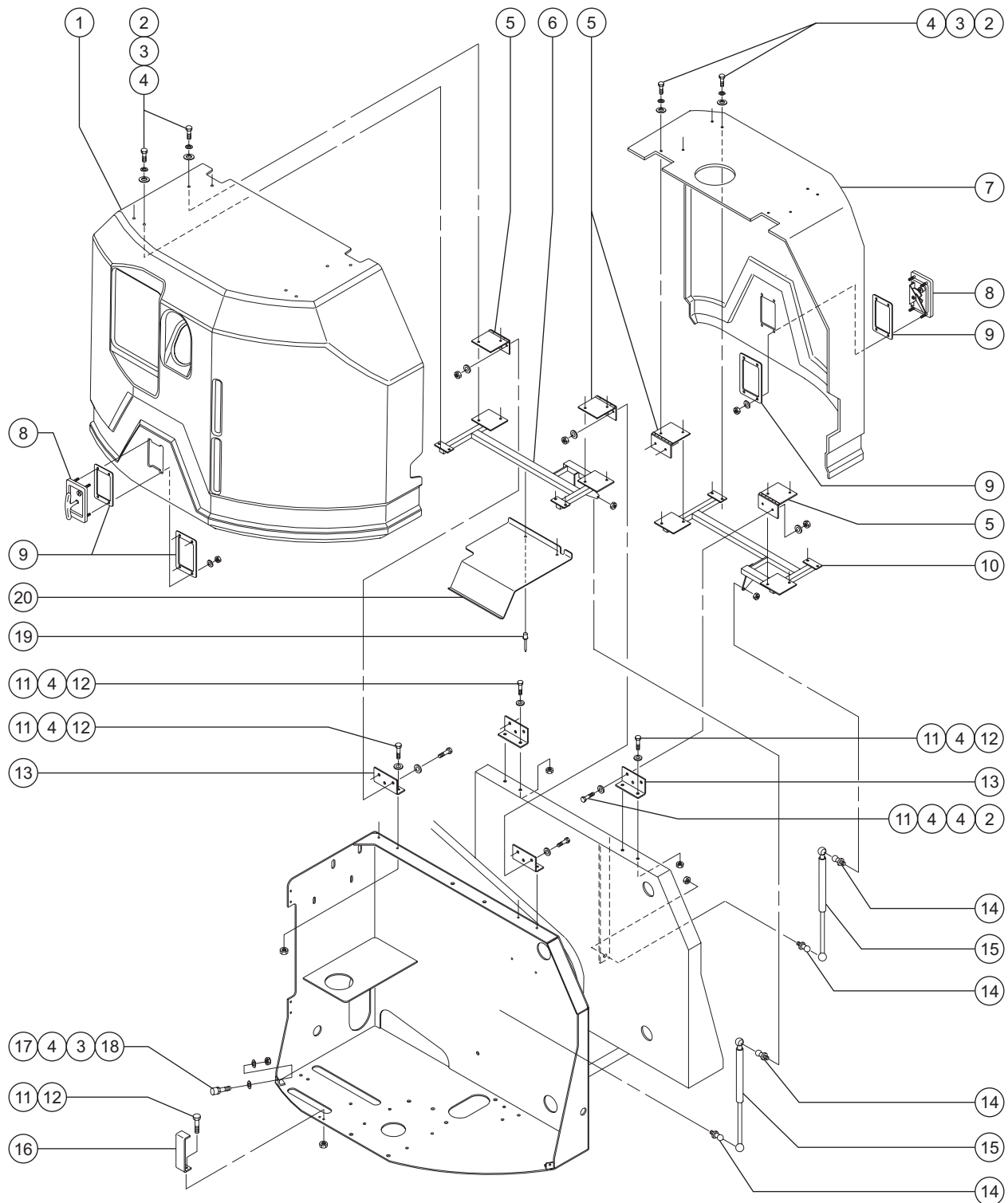
| Figure | Rev | Description                              |
|--------|-----|------------------------------------------|
| 310.1  | B   | Turntable Covers - Z-34/22N & Z-34/22 DC |



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| Item | Part No. | Description                                            | Qty. |
|------|----------|--------------------------------------------------------|------|
| 26   | 6178     | Nylock Nut, 10-32                                      |      |
| 27   | 36575    | Adjustable Draw Latch .....                            | 1    |
| 28   | 36574    | Extension Spring .....                                 | 1    |
| 29   | 6090     | Screw-HHC,<br>1/4 -20 x 0.75 inch, GR 5                |      |
| 30   | 45385    | Black Plastic Plug, 1.12 inches .....                  | 1    |
| 31   | 18963    | Intermittent Tone Alarm .....                          | 1    |
| —    | 72326    | Plastic Ring Nut                                       |      |
| 32   | 36924P   | Turntable Cover Support,<br>Ground Controls Side ..... | 1    |

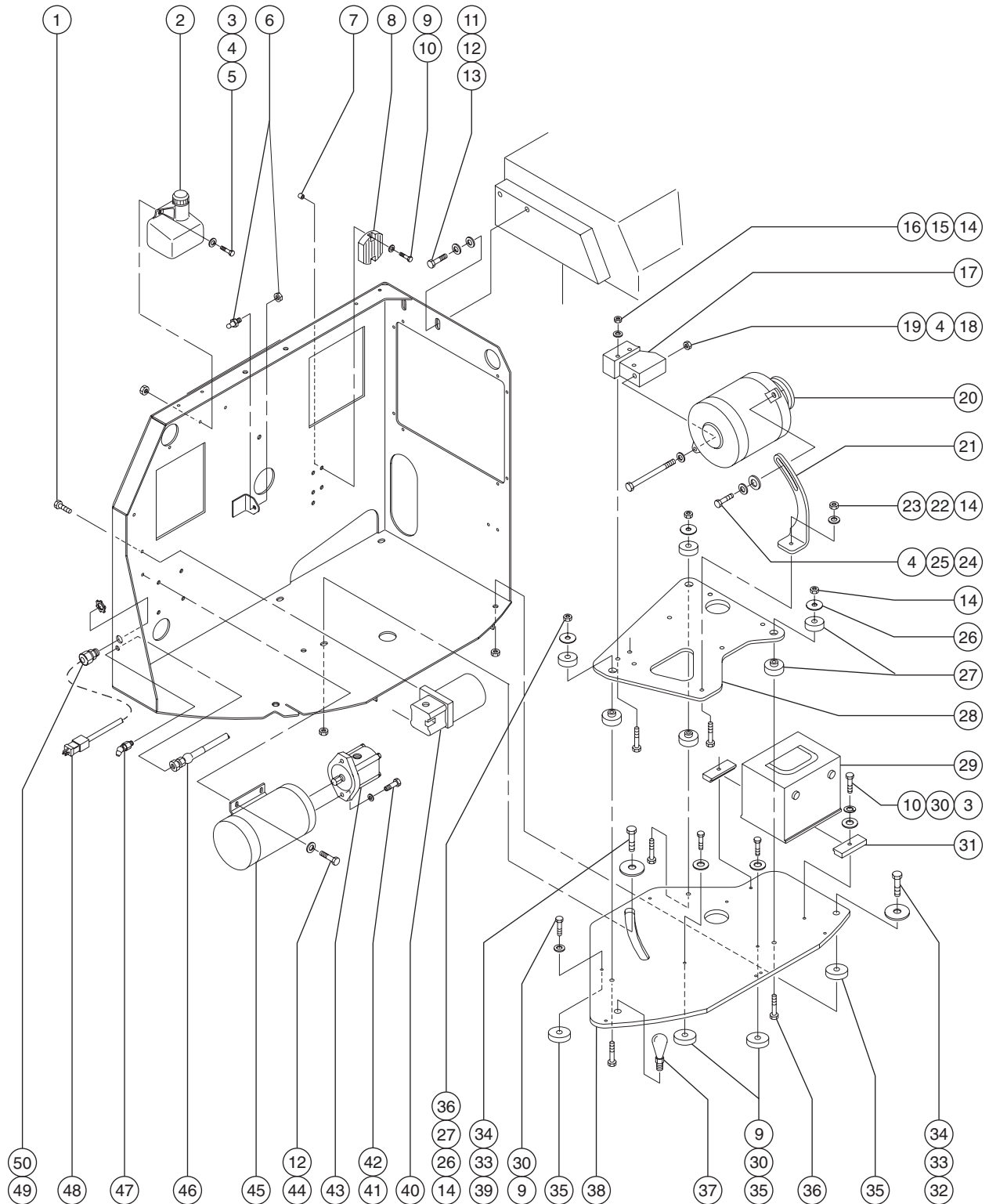
| Figure | Rev | Description                          |
|--------|-----|--------------------------------------|
| 311.1  | A   | Turntable Covers - Z-34/22 Bi-Energy |



311.1  
Turntable Covers - Z-34/22 Bi-Energy Rev A

| Item | Part No. | Description                                                                                                           | Qty. | Item | Part No. | Description                                                                    | Qty. |
|------|----------|-----------------------------------------------------------------------------------------------------------------------|------|------|----------|--------------------------------------------------------------------------------|------|
| 1    | 52937-S  | Cover Assembly with Decals - Ground Controls Side (before serial number 3577) (includes items 2-6, 8 and 9) .....     | 1    | 13   | 35949P-S | Turntable Cover Bracket (before serial number 3282) .....                      | 4    |
| —    | 106218   | Cover Assembly with Word Decals - Ground Controls Side (after serial number 3576) (includes items 2-6, 8 and 9) ..... | 1    | —    | 74496    | Turntable Cover Bracket (after serial number 3281)                             |      |
| —    | 106219   | Cover Assembly with Symbol Decals - Ground Controls Side (after serial number 3576) (includes items 2-6, 8 and 9)     |      | 14   | 62706    | Ball Stud, <sup>5</sup> / <sub>16</sub> -18 (includes mounting fastener) ..... | 4    |
| 2    | 8915     | Screw - HHC, <sup>1</sup> / <sub>4</sub> -20 x 1.25 inches, GR 5                                                      |      | 15   | 56295    | Gas Strut .....                                                                | 2    |
| 3    | 6356     | Lock Washer, <sup>1</sup> / <sub>4</sub> inch                                                                         |      | 16   | 42064P-S | Latch Bracket .....                                                            | 2    |
| 4    | 6638     | Flat Washer, <sup>1</sup> / <sub>4</sub> inch                                                                         |      | 17   | 36388    | Rubber Bumper with Stud, <sup>1</sup> / <sub>4</sub> -20 x 0.75 inch .....     | 6    |
| 5    | 30408    | Turntable Cover Hinge (before serial number 3282) .....                                                               | 4    | 18   | 6357     | Hex Nut, <sup>1</sup> / <sub>4</sub> -20                                       |      |
| —    | 75073    | Turntable Cover Hinge (after serial number 3281)                                                                      |      | 19   | 7264     | Steel Rivet, 0.25 x 0.5 inch                                                   |      |
| 6    | 56955-S  | Cover Support, Ground Controls Side .....                                                                             | 1    | 20   | 56117-S  | Fuel Tank Shield .....                                                         | 1    |
| 7    | 52697-S  | Cover Assembly with Decals - Engine Side (before serial number 3577) (includes items 2-5 and 8-10) .....              | 1    |      |          |                                                                                |      |
| —    | 106220   | Cover Assembly with Word Decals - Engine Side (after serial number 3576) (includes items 2-5 and 8-10)                |      |      |          |                                                                                |      |
| —    | 106221   | Cover Assembly with Symbol Decals - Engine Side (after serial number 3576) (includes items 2-5 and 8-10)              |      |      |          |                                                                                |      |
| 8    | 28125    | Turntable Cover Latch .....                                                                                           | 2    |      |          |                                                                                |      |
| —    | 29314    | Key                                                                                                                   |      |      |          |                                                                                |      |
| —    | 33510    | Lock Plug Assembly                                                                                                    |      |      |          |                                                                                |      |
| 9    | 28471    | Turntable Cover Latch .....                                                                                           | 2    |      |          |                                                                                |      |
| 10   | 56952    | Cover Support, Engine Side .....                                                                                      | 1    |      |          |                                                                                |      |
| 11   | 6888     | Screw - HHC, <sup>1</sup> / <sub>4</sub> -20 x 1 inch, GR 5                                                           |      |      |          |                                                                                |      |
| 12   | 6091     | Nylock Nut, <sup>1</sup> / <sub>4</sub> -20                                                                           |      |      |          |                                                                                |      |

| Figure | Rev | Description        |
|--------|-----|--------------------|
| 401.1  | A   | Engine Pivot Plate |



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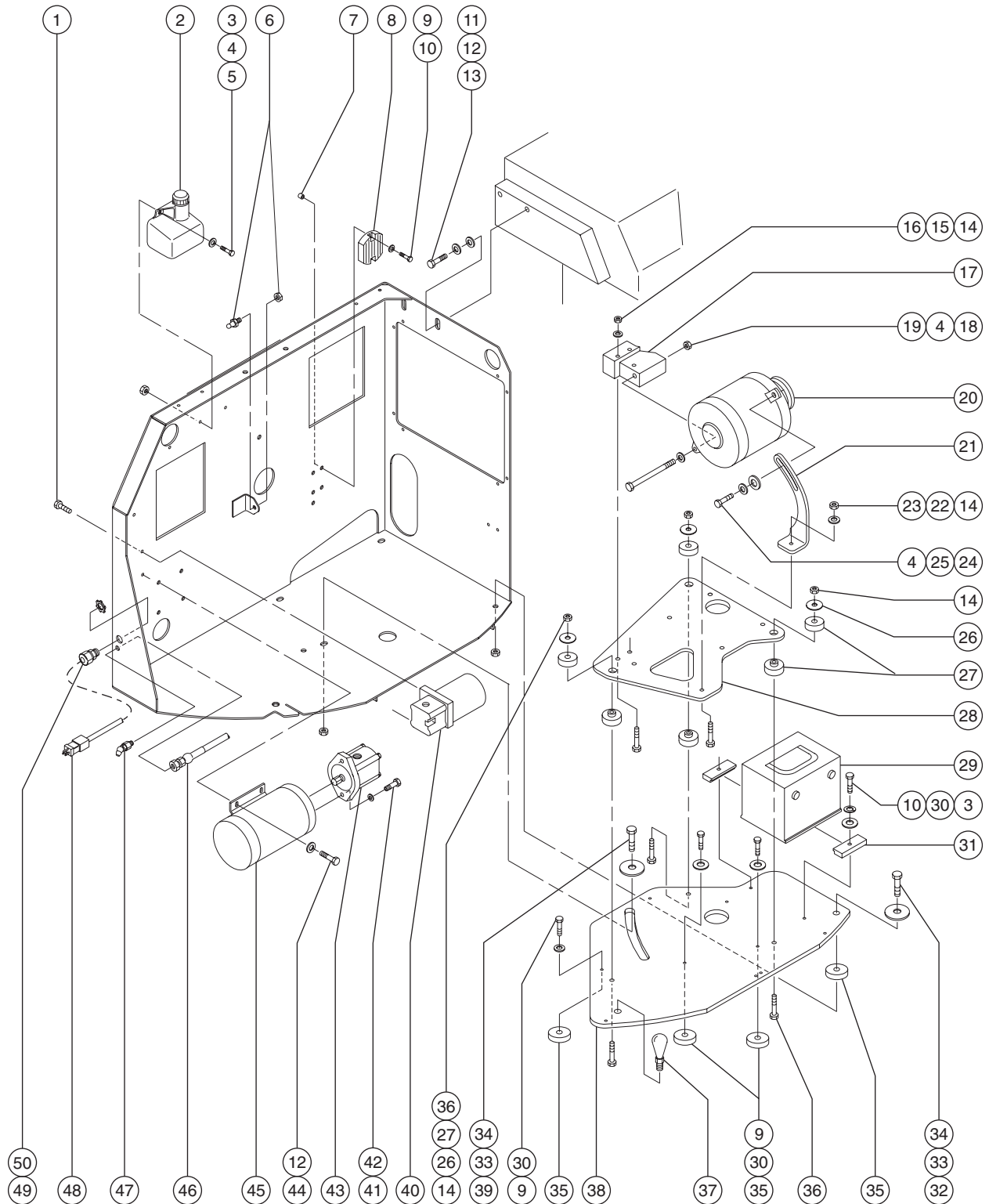
401.1  
Engine Pivot Plate Rev A

| Item | Part No. | Description                                   | Qty. | Item | Part No. | Description                                 | Qty. |
|------|----------|-----------------------------------------------|------|------|----------|---------------------------------------------|------|
| 1    | 18506    | Locking Flange Screw,<br>5/16 -18 x 0.75 inch |      | 26   | 24040    | Fender Washer, 1/2 inch                     |      |
| 2    | 42662    | Coolant Return Tank with Cap .....            | 1    | 27   | 24038    | Small Shock Mount .....                     | 6    |
| 3    | 7339     | Screw - HHC, 1/4 -20 x 0.5 inch,<br>GR 5      |      | 28   | 56089    | Engine Mount Tray .....                     | 1    |
| 4    | 6095     | Flat Washer, 1/2 inch                         |      | 29   | 56050    | Battery, 12V DC, 450 CCA .....              | 1    |
| 5    | 6091     | Nylock Nut, 1/4 -20                           |      | 30   | 6356     | Lock Washer, 1/4 inch                       |      |
| 6    | 62706    | Ball Stud, 5/16 -18 .....                     | 1    | 31   | 56054    | Battery Hold Down .....                     | 2    |
| 7    | 23404    | Nutsert, 1/4 -20                              |      | 32   | 42124    | Screw - SHS, 5/8 -11 x 1.25<br>inches, GR 5 |      |
| 8    | 62085    | Voltage Regulator .....                       | 1    | 33   | 6035     | Flat Washer, 5/8 inch                       |      |
| 9    | 6888     | Screw - HHC, 1/4 -20 x 1 inch,<br>GR 5        |      | 34   | 6086     | Low Profile Nylock Nut, 1/2 -13             |      |
| 10   | 6638     | Flat Washer, 1/4 inch                         |      | 35   | 56093    | Wear Pad, 0.5 inch .....                    | 4    |
| 11   | 6019     | Screw-HHC, 3/8 -16 x 1.25<br>inches, GR 5     |      | 36   | 14033    | Screw - HHC, 3/8 -16 x 2.75<br>inches, GR 5 |      |
| 12   | 6021     | Lock Washer, 3/8 inch                         |      | 37   | 44160    | Lock Pin Assembly .....                     | 1    |
| 13   | 15086    | Fender Washer, 0.375 x 1.5<br>x 1.25 inches   |      | —    | 39470    | Pin                                         |      |
| 14   | 4828     | Nylock Nut, 3/8 -16                           |      | —    | 39469    | Compression Spring                          |      |
| 15   | 5397     | Flat Washer, 5/16 inch                        |      | —    | 41630    | Housing                                     |      |
| 16   | 21604    | Screw - HHC, 3/8 -16 x 3.25<br>inches, GR 5   |      | —    | 40835    | Knob                                        |      |
| 17   | 56007    | Alternator Mounting Bracket .....             | 1    | 38   | 56092    | Engine Swing-out Plate .....                | 1    |
| 18   | 6198     | Nylock Nut, 1/2 -13                           |      | 39   | 56124    | Shoulder Bolt, 1/2 -13 x 2<br>inches .....  | 1    |
| 19   | 7236     | Screw - HHC, 1/2 -13 x 6 inches,<br>GR 2      |      | 40   | 36179    | Auxillary Pump, 24VDC .....                 | 1    |
| 20   | 56284    | Alternator, 100A, 48V DC .....                | 1    | —    | 37185    | Pump Assembly                               |      |
| —    | 56283    | Pulley, 3.15 inches O.D.                      |      | —    | 37187    | Seal Kit                                    |      |
| —    | 56290    | Lock Nut, 5/8 -18                             |      | —    | 37186    | Check Valve                                 |      |
| —    | 56291    | Hardened Washer, 5/8 -18                      |      | —    | 37191    | Pump/Motor Gasket                           |      |
| —    | 56292    | Woodruff Key, 5/32 inch                       |      | —    | 37192    | Pump/Motor Coupler                          |      |
| 21   | 56033-S  | Alternator Adjustment Bracket .....           | 1    | —    | 37184    | 24VDC Motor                                 |      |
| 22   | 6097     | Flat Washer, 3/8 inch                         |      | —    | 49878    | Nylon Washer                                |      |
| 23   | 8516     | Screw - HHC, 3/8 -16 x 1.5<br>inches, GR 5    |      | 41   | 32317    | Screw - HHC, 3/8 -24 x 1 inch,<br>GR 5      |      |
| 24   | 8177     | Screw - HHC, 1/2 -13 x 1.5<br>inches, GR 5    |      | 42   | 32317    | Lock Washer, 3/8 inch                       |      |
| 25   | 6033     | Lock Washer, 1/2 inch                         |      | 43   | 39563    | Hydraulic Boom Pump .....                   | 1    |
|      |          |                                               |      | —    | 43685    | Seal Kit                                    |      |
|      |          |                                               |      | 44   | 6175     | Screw-HHC, 3/8 -16 x 1 inch,<br>GR 5        |      |
|      |          |                                               |      | 45   | 94196    | 48VDC Motor .....                           | 1    |

This list continues on next page.



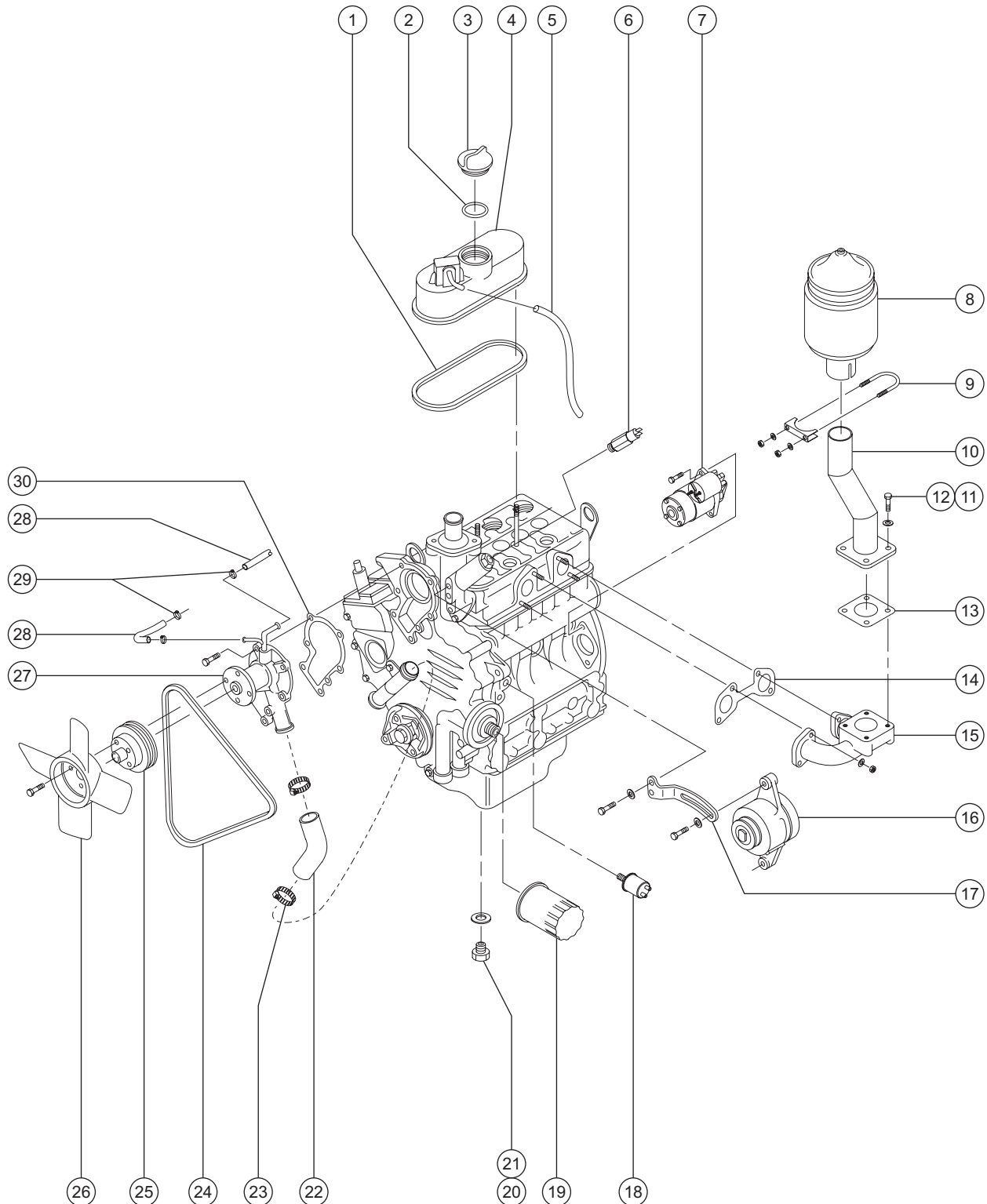
| Figure | Rev | Description        |
|--------|-----|--------------------|
| 401.1  | A   | Engine Pivot Plate |



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| Item | Part No. | Description                                          | Qty. |
|------|----------|------------------------------------------------------|------|
| 46   | 56120    | Turntable Bearing Lubrication<br>Hose Assembly ..... | 1    |
| 47   | 22794    | Grease Fitting .....                                 | 1    |
| 48   | 6595     | Electrical Plug - North American,<br>110V AC .....   | 1    |
| —    | 6666     | Electrical Plug - European 2 Pin,<br>220V AC         |      |
| 49   | 7056     | Squeeze Connector,<br>1/2 inch, NPT .....            | 1    |
| 50   | 6935     | Electric Locknut, 1/2 inch .....                     | 1    |

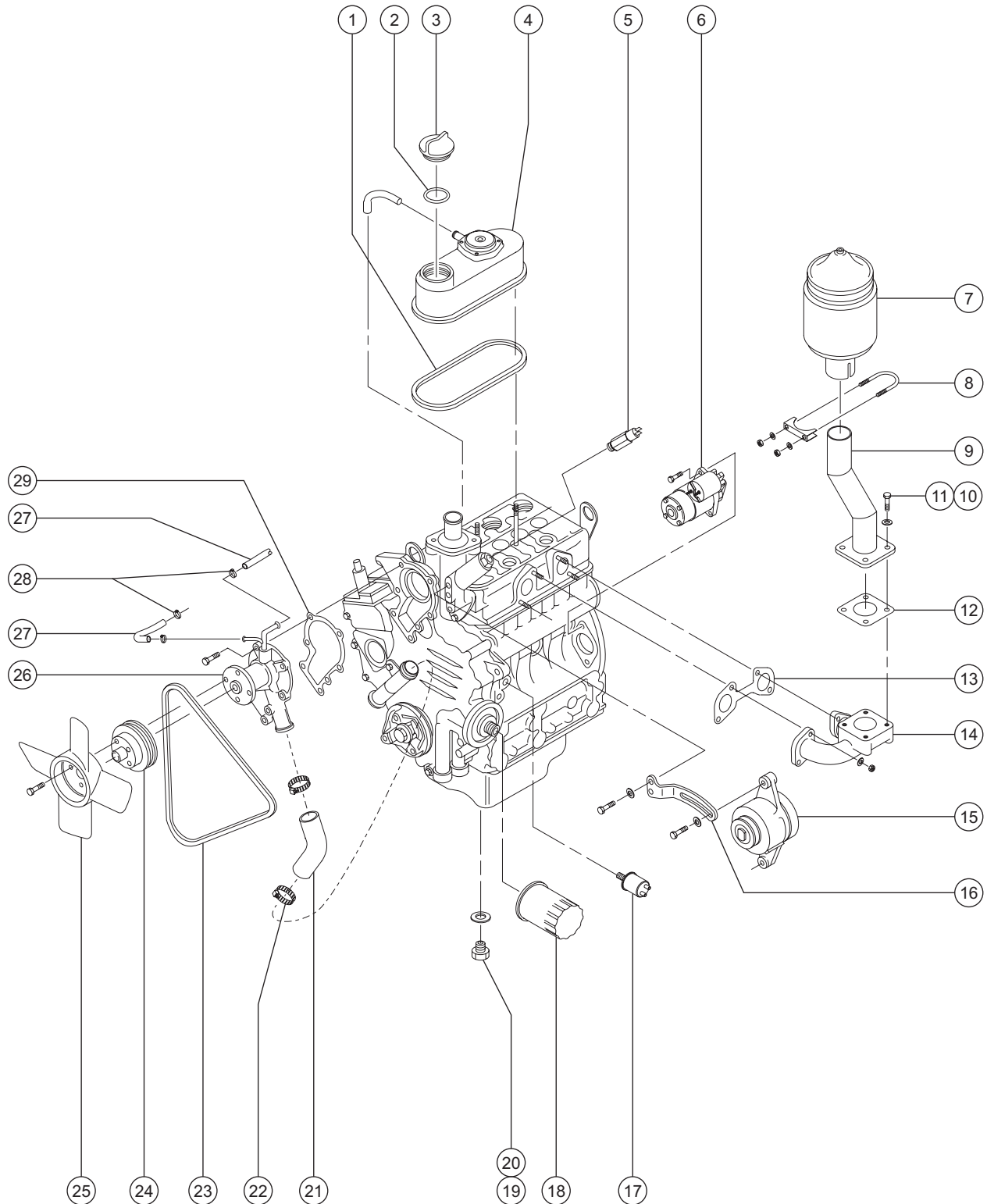
| Figure | Rev | Description                                                     |
|--------|-----|-----------------------------------------------------------------|
| 402.1  | B   | Kubota Z482-E Diesel Engine, View 1 (before serial number 4474) |



402.1  
Kubota Z482-E Diesel Engine, View 1 (before serial number 4474) Rev B

| Item | Part No. | Description                                    | Qty. |
|------|----------|------------------------------------------------|------|
| 1    | 52806    | Valve Cover Gasket .....                       | 1    |
| 2    | 22903    | Oil Filler Plug O-Ring .....                   | 1    |
| 3    | 52808    | Oil Filler Plug .....                          | 1    |
| 4    | 52807    | Valve Cover .....                              | 1    |
| 5    | 52809    | Breather Pipe .....                            | 1    |
| 6    | 56085    | Water Temperature Sending<br>Unit .....        | 1    |
| 7    | 52810    | Starter Motor .....                            | 1    |
| —    | 23457    | Starter Solenoid                               |      |
| 8    | 22046    | Muffler .....                                  | 1    |
| 9    | 32064    | Muffler Clamp, 1.75 inches .....               | 1    |
| 10   | 56062    | Exhaust Extension .....                        | 1    |
| 11   | 25929    | Screw-HHC, M8 x 30 mm, GR 8.8                  |      |
| 12   | 6886     | Lock Washer, <sup>5</sup> / <sub>16</sub> inch |      |
| 13   | 52811    | Muffler Gasket .....                           | 1    |
| 14   | 52812    | Exhaust Manifold Gasket .....                  | 1    |
| 15   | 52813    | Exhaust Manifold .....                         | 1    |
| 16   | 52814    | Alternator, 14V DC, 14A .....                  | 1    |
| 17   | 44184    | Alternator Stay .....                          | 1    |
| 18   | 52815    | Oil Pressure Sending Unit .....                | 1    |
| 19   | 22106    | Oil Filter .....                               | 1    |
| 20   | 56107    | Engine Oil Drain Valve .....                   | 1    |
| 21   | 52517    | Drain Valve Gasket .....                       | 1    |
| 22   | 32067    | Water Pump Hose .....                          | 1    |
| 23   | 32066    | Hose Clamp .....                               | 2    |
| 24   | 52816    | V-Belt .....                                   | 1    |
| 25   | 52817    | Fan Pulley .....                               | 1    |
| 26   | 52818    | Fan .....                                      | 1    |
| 27   | 52819    | Water Pump .....                               | 1    |
| 28   | 32200    | Water Pump Return Hose .....                   | 1    |
| 29   | 32069    | Hose Clamp .....                               | 4    |
| 30   | 52821    | Water Pump Gasket .....                        | 1    |

| Figure | Rev | Description                                                      |
|--------|-----|------------------------------------------------------------------|
| 402.2  | A   | Kubota Z482 E2B Diesel Engine, View 1 (after serial number 4473) |

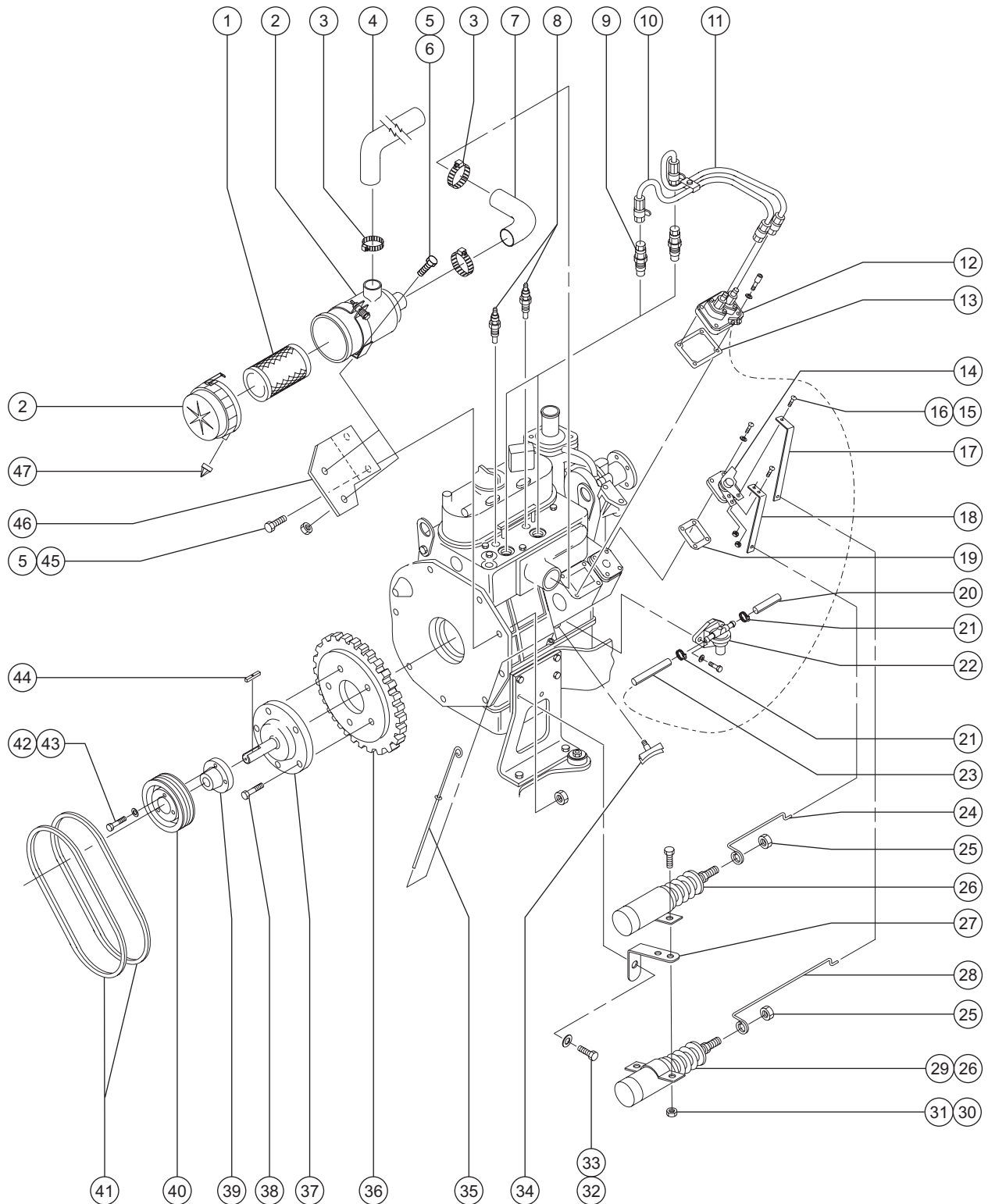


402.2

Kubota Z482 E2B Diesel Engine, View 1 (after serial number 4473) Rev A

| Item | Part No. | Description                                    | Qty. |
|------|----------|------------------------------------------------|------|
| 1    | 52806    | Valve Cover Gasket .....                       | 1    |
| 2    | 22903    | Oil Filler Plug O-Ring .....                   | 1    |
| 3    | 52808    | Oil Filler Plug .....                          | 1    |
| 4    | 52807    | Valve Cover .....                              | 1    |
| 5    | 54332    | Water Temperature Sending Unit .....           | 1    |
| 6    | 52810    | Starter Motor .....                            | 1    |
| —    | 23457    | Starter Solenoid                               |      |
| 7    | 22046    | Muffler .....                                  | 1    |
| 8    | 32064    | Muffler Clamp, 1.75 inches .....               | 1    |
| 9    | 56062    | Exhaust Extension .....                        | 1    |
| 10   | 25929    | Screw-HHC, M8 x 30 mm, GR 8.8                  |      |
| 11   | 6886     | Lock Washer, <sup>5</sup> / <sub>16</sub> inch |      |
| 12   | 52811    | Muffler Gasket .....                           | 1    |
| 13   | 52812    | Exhaust Manifold Gasket .....                  | 1    |
| 14   | 52813    | Exhaust Manifold .....                         | 1    |
| 15   | 110286   | Alternator, 14V DC, 14A .....                  | 1    |
| 16   | 84044    | Alternator Stay .....                          | 1    |
| 17   | 22934    | Oil Pressure Sending Unit .....                | 1    |
| 18   | 22106    | Oil Filter .....                               | 1    |
| 19   | 56107    | Engine Oil Drain Valve .....                   | 1    |
| 20   | 52517    | Drain Valve Gasket .....                       | 1    |
| 21   | 32067    | Water Pump Hose .....                          | 1    |
| 22   | 32066    | Hose Clamp .....                               | 2    |
| 23   | 52816    | V-Belt .....                                   | 1    |
| 24   | 23469    | Fan Pulley .....                               | 1    |
| 25   | 52818    | Fan .....                                      | 1    |
| 26   | 52819    | Water Pump .....                               | 1    |
| 27   | 32200    | Water Pump Return Hose .....                   | 1    |
| 28   | 32069    | Hose Clamp .....                               | 4    |
| 29   | 52821    | Water Pump Gasket .....                        | 1    |

| Figure | Rev | Description                                                     |
|--------|-----|-----------------------------------------------------------------|
| 403.1  | B   | Kubota Z482-E Diesel Engine, View 2 (before serial number 4474) |



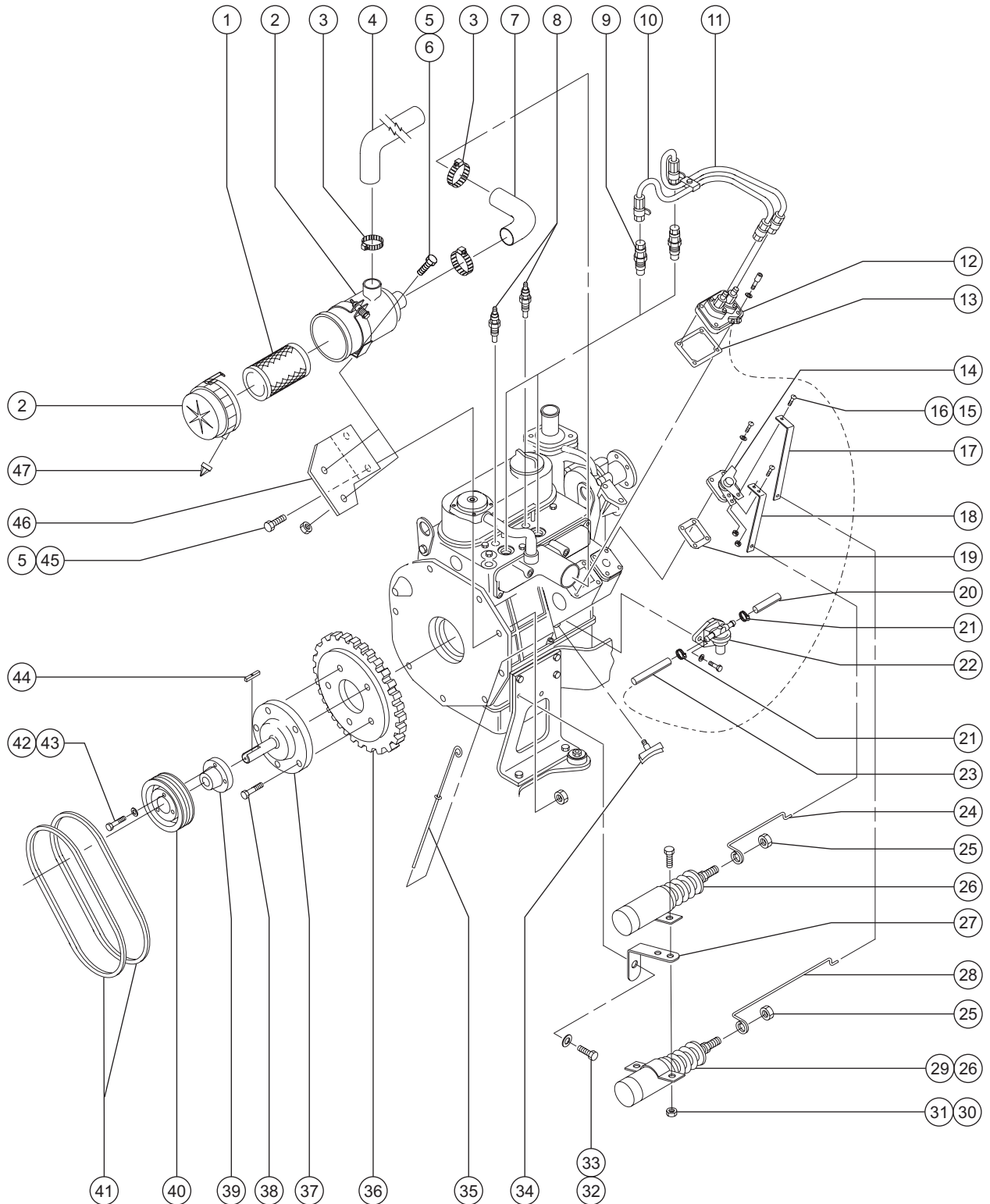
403.1

Kubota Z482-E Diesel Engine, View 2 (before serial number 4474) Rev B

| Item | Part No. | Description                                                            | Qty.      | Item | Part No. | Description                                           | Qty. |
|------|----------|------------------------------------------------------------------------|-----------|------|----------|-------------------------------------------------------|------|
| 1    | 52867    | Air Cleaner Element .....                                              | 1         | 29   | 22446    | Solenoid Return Spring<br>(concealed from view) ..... | 1    |
| 2    | 56061    | Complete Air Cleaner Assembly<br>(includes items 1, 3 -7 and 47) ..... | 1         | 30   | 6091     | Nylock Nut, 1/4 -20                                   |      |
| 3    | 22672    | Hose Clamp,<br>1 5/16 - 2 1/4 inches .....                             | 1         | 31   | 6090     | Screw - HHC, 1/4 -20 x 0.75<br>inch, GR 5             |      |
| 4    | 56059    | Air Cleaner Hose Elbow .....                                           | 1         | 32   | 22676    | Screw - HHC, M10 x 1.5 x<br>30 mm, GR 8.8             |      |
| 5    | 18506    | Locking Flange Screw,<br>5/16 -18 x 0.75 inch                          |           | 33   | 22700    | Lock Washer, M10                                      |      |
| 6    | 6782     | Nylock Nut, 5/16 -18                                                   |           | 34   | 32077    | Drain Petcock .....                                   | 1    |
| 7    | 56060    | Air Intake Hose .....                                                  | 1         | 35   | 52836    | Dipstick .....                                        | 1    |
| 8    | 52941    | Glow Plug .....                                                        | 2         | 36   | 52837    | Ring Gear .....                                       | 1    |
| 9    | 52822    | Fuel Injector .....                                                    | 2         | 37   | 52838    | Pulley Flange Adapter .....                           | 1    |
| 10   | 52824    | Injector Pipe 2 .....                                                  | 1         | 38   | 23057    | Screw - HHC, M8 x 20 mm,<br>GR 8.8                    |      |
| 11   | 52823    | Injector Pipe 1 .....                                                  | 1         | 39   | 56068    | Pulley Bushing .....                                  | 1    |
| 12   | 52825    | Injection Pump .....                                                   | 1         | 40   | 52840    | Pulley .....                                          | 1    |
| 13   | 52826    | Injection Pump Gasket .....                                            | 1         | 41   | 56064    | Alternator Belt .....                                 | 2    |
| 14   | 52949    | Speed Control Assembly .....                                           | 1         | 42   | 8915     | Screw - HHC, 1/4 -20 x 1.25<br>inches, GR 5           |      |
| 15   | 49819    | Screw-PHM, 10-32 x 0.50 inch,<br>GR 2                                  |           | 43   | 6356     | Lock Washer, 1/4 inch                                 |      |
| 16   | 6178     | Nylock Nut, 10-32                                                      |           | 44   | 56086    | Key, 1/4 x 1.25 inches .....                          | 1    |
| 17   | 56101    | Engine Stop Lever .....                                                | 1         | 45   | 6782     | Nylock Nut, 5/16 -18                                  |      |
| 18   | 56102    | Speed Control Lever .....                                              | 1         | 46   | 56063    | Air Cleaner Mount .....                               | 1    |
| 19   | 52832    | Speed Control Assembly<br>Gasket .....                                 | 1         | 47   | 52866-S  | Air Cleaner Evacuator Valve .....                     | 1    |
| 20   | 44208    | Fuel Hose, 5/16 inch<br>(SAE 30R7) .....                               | 8 inches  |      |          |                                                       |      |
| 21   | 52834    | Hose Clamp, 3/8 inch .....                                             | 4         |      |          |                                                       |      |
| 22   | 52835    | Fuel Pump Assembly .....                                               | 1         |      |          |                                                       |      |
| 23   | 44208    | Fuel Hose, 5/16 inch<br>(SAE 30R7) .....                               | 12 inches |      |          |                                                       |      |
| 24   | 56110    | Engine Idle/Stop Rod .....                                             | 1         |      |          |                                                       |      |
| 25   | 21496    | Hex Nut, 1/4 -28                                                       |           |      |          |                                                       |      |
| 26   | 20780    | Solenoid, 2 Speed .....                                                | 2         |      |          |                                                       |      |
| —    | 52514    | Boot                                                                   |           |      |          |                                                       |      |
| 27   | 56098    | Solenoid Mount .....                                                   | 1         |      |          |                                                       |      |
| 28   | 22956    | 2 Speed Rod .....                                                      | 1         |      |          |                                                       |      |



| Figure | Rev | Description                                                      |
|--------|-----|------------------------------------------------------------------|
| 403.2  | A   | Kubota Z482 E2B Diesel Engine, View 2 (after serial number 4473) |



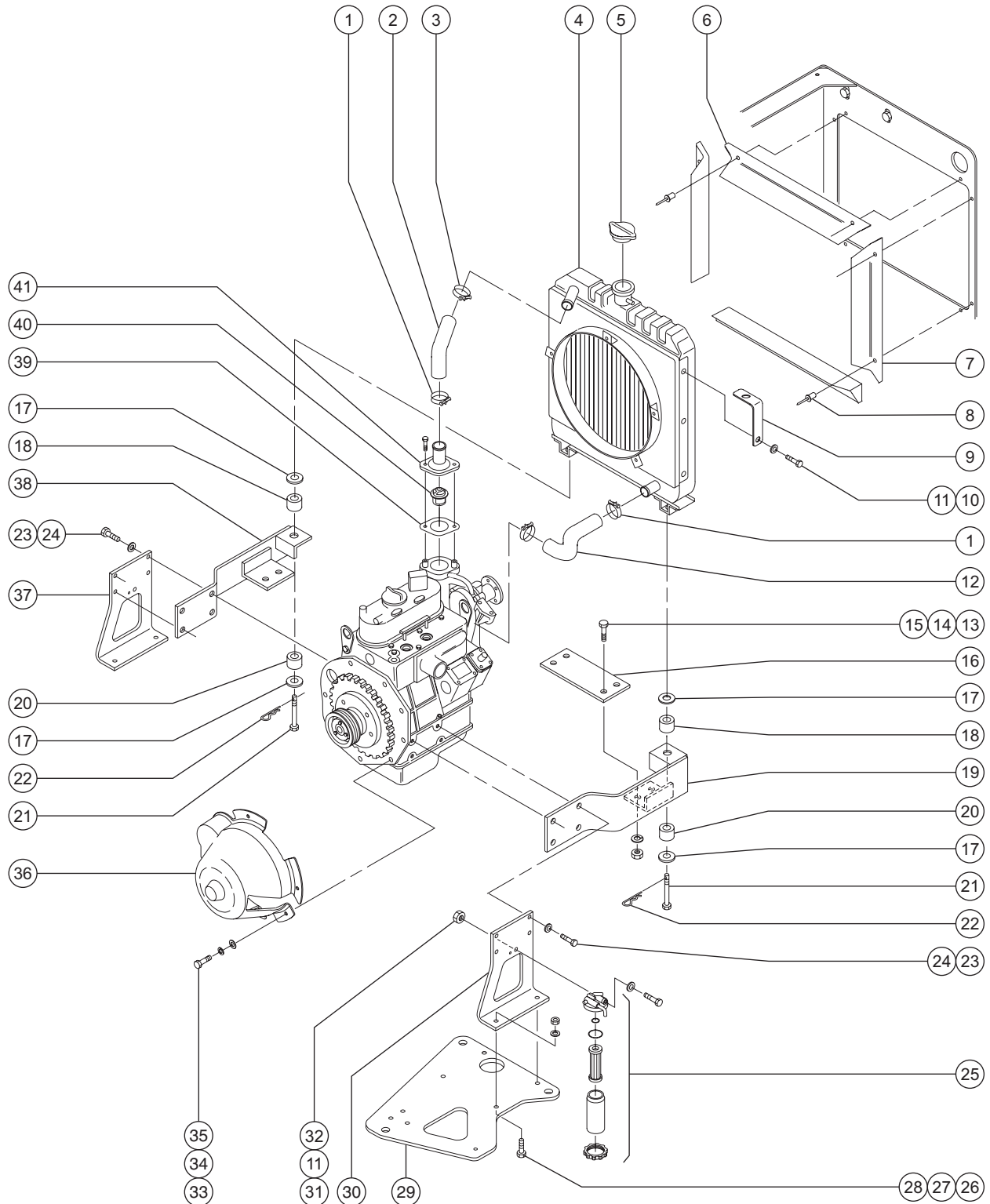
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403.2

Kubota Z482 E2B Diesel Engine, View 2 (after serial number 4473) Rev A

| Item | Part No. | Description                                                            | Qty.      | Item | Part No. | Description                                           | Qty. |
|------|----------|------------------------------------------------------------------------|-----------|------|----------|-------------------------------------------------------|------|
| 1    | 52867    | Air Cleaner Element .....                                              | 1         | 29   | 22446    | Solenoid Return Spring<br>(concealed from view) ..... | 1    |
| 2    | 56061    | Complete Air Cleaner Assembly<br>(includes items 1, 3 -7 and 47) ..... | 1         | 30   | 6091     | Nylock Nut, 1/4 -20                                   |      |
| 3    | 22672    | Hose Clamp,<br>1 5/16 - 2 1/4 inches .....                             | 1         | 31   | 6090     | Screw - HHC, 1/4 -20 x 0.75<br>inch, GR 5             |      |
| 4    | 56059    | Air Cleaner Hose Elbow .....                                           | 1         | 32   | 22676    | Screw - HHC, M10 x 1.5 x<br>30 mm, GR 8.8             |      |
| 5    | 18506    | Locking Flange Screw,<br>5/16 -18 x 0.75 inch                          |           | 33   | 22700    | Lock Washer, M10                                      |      |
| 6    | 6782     | Nylock Nut, 5/16 -18                                                   |           | 34   | 32077    | Drain Petcock .....                                   | 1    |
| 7    | 56060    | Air Intake Hose .....                                                  | 1         | 35   | 52836    | Dipstick .....                                        | 1    |
| 8    | 62115    | Glow Plug .....                                                        | 2         | 36   | 52837    | Ring Gear .....                                       | 1    |
| 9    | 52822    | Fuel Injector .....                                                    | 2         | 37   | 52838    | Pulley Flange Adapter .....                           | 1    |
| 10   | 52824    | Injector Pipe 2 .....                                                  | 1         | 38   | 23057    | Screw - HHC, M8 x 20 mm,<br>GR 8.8                    |      |
| 11   | 52823    | Injector Pipe 1 .....                                                  | 1         | 39   | 56068    | Pulley Bushing .....                                  | 1    |
| 12   | 52825    | Injection Pump .....                                                   | 1         | 40   | 52840    | Pulley .....                                          | 1    |
| 13   | 52826    | Injection Pump Gasket .....                                            | 1         | 41   | 56064    | Alternator Belt .....                                 | 2    |
| 14   | 52949    | Speed Control Assembly .....                                           | 1         | 42   | 8915     | Screw - HHC, 1/4 -20 x 1.25<br>inches, GR 5           |      |
| 15   | 49819    | Screw-PHM, 10-32 x 0.50 inch,<br>GR 2                                  |           | 43   | 6356     | Lock Washer, 1/4 inch                                 |      |
| 16   | 6178     | Nylock Nut, 10-32                                                      |           | 44   | 56086    | Key, 1/4 x 1.25 inches .....                          | 1    |
| 17   | 56101    | Engine Stop Lever .....                                                | 1         | 45   | 6782     | Nylock Nut, 5/16 -18                                  |      |
| 18   | 56102    | Speed Control Lever .....                                              | 1         | 46   | 56063    | Air Cleaner Mount .....                               | 1    |
| 19   | 52832    | Speed Control Assembly<br>Gasket .....                                 | 1         | 47   | 52866-S  | Air Cleaner Evacuator Valve .....                     | 1    |
| 20   | 44208    | Fuel Hose, 5/16 inch<br>(SAE 30R7) .....                               | 8 inches  |      |          |                                                       |      |
| 21   | 52834    | Hose Clamp, 3/8 inch .....                                             | 4         |      |          |                                                       |      |
| 22   | 52835    | Fuel Pump Assembly .....                                               | 1         |      |          |                                                       |      |
| 23   | 44208    | Fuel Hose, 5/16 inch<br>(SAE 30R7) .....                               | 12 inches |      |          |                                                       |      |
| 24   | 56110    | Engine Idle/Stop Rod .....                                             | 1         |      |          |                                                       |      |
| 25   | 21496    | Hex Nut, 1/4 -28                                                       |           |      |          |                                                       |      |
| 26   | 20780    | Solenoid, 2 Speed .....                                                | 2         |      |          |                                                       |      |
| —    | 52514    | Boot                                                                   |           |      |          |                                                       |      |
| 27   | 56098    | Solenoid Mount .....                                                   | 1         |      |          |                                                       |      |
| 28   | 22956    | 2 Speed Rod .....                                                      | 1         |      |          |                                                       |      |

| Figure | Rev | Description                                                     |
|--------|-----|-----------------------------------------------------------------|
| 404.1  | B   | Kubota Z482-E Diesel Engine, View 3 (before serial number 4474) |

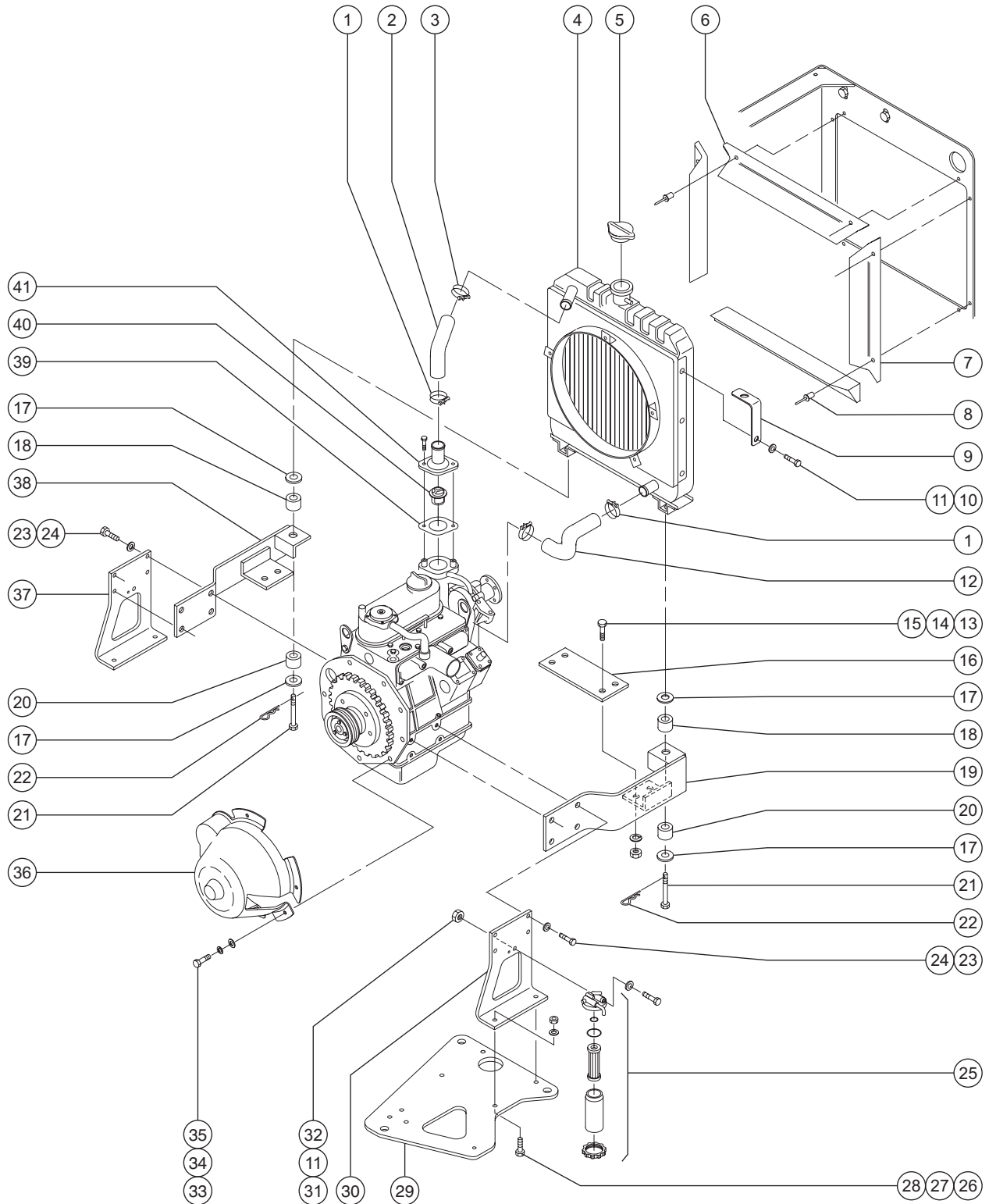


404.1

Kubota Z482-E Diesel Engine, View 3 (before serial number 4474) Rev B

| Item | Part No. | Description                                        | Qty. | Item | Part No. | Description                                      | Qty. |
|------|----------|----------------------------------------------------|------|------|----------|--------------------------------------------------|------|
| 1    | 32066    | Hose Clamp .....                                   | 2    | 28   | 4828     | Nylock Nut, $\frac{3}{8}$ -16                    |      |
| 2    | 52841    | Upper Radiator Hose .....                          | 1    | 29   | 56089    | Engine Tray .....                                | 1    |
| 3    | 32087    | Hose Clamp .....                                   | 2    | 30   | 42958    | Outboard Engine Mount .....                      | 2    |
| 4    | 52842    | Radiator .....                                     | 1    | 31   | 6782     | Nylock Nut, $\frac{5}{16}$ -18                   |      |
| 5    | 52843    | Radiator Cap, 14 psi / 0.97 bar ....               | 1    | 32   | 37218    | Screw - HHC, $\frac{5}{16}$ -18 x 3 inches, GR 5 |      |
| 6    | 56186    | Radiator Seal, Top and Bottom ....                 | 2    | 33   | 23057    | Screw - HHC, M8 x 1.5 x 20mm, GR 8.8             |      |
| 7    | 56185    | Radiator Seal, Sides .....                         | 1    | 34   | 49408    | Lock Washer, M8                                  |      |
| 8    | 7265     | Rivet, 0.375 x 0.25 inch                           |      | 35   | 33277    | Flat Washer, M8                                  |      |
| 9    | 56108    | Intake Hose Support .....                          | 1    | 36   | 56106    | Fly Wheel Cover .....                            | 1    |
| 10   | 7339     | Screw - HHC, $\frac{1}{4}$ -20 x 0.5 inch, GR 5    |      | 37   | 42958    | Inboard Engine Mount .....                       | 1    |
| 11   | 6638     | Flat Washer, $\frac{1}{4}$ inch                    |      | 38   | 52851    | Inboard Radiator Support .....                   | 1    |
| 12   | 32090    | Lower Radiator Hose .....                          | 1    | 39   | 52852    | Thermostat Gasket .....                          | 1    |
| 13   | 6090     | Screw - HHC, $\frac{1}{4}$ -20 x 0.75 inch, GR 5   |      | 40   | 23473    | Thermostat .....                                 | 1    |
| 14   | 6356     | Lock Washer, $\frac{1}{4}$ inch                    |      | 41   | 27367    | Thermostat Housing .....                         | 1    |
| 15   | 6091     | Nylock Nut, $\frac{1}{4}$ -20                      |      |      |          |                                                  |      |
| 16   | 28963    | Radiator Plate .....                               | 1    |      |          |                                                  |      |
| 17   | 52845    | Spring Washer .....                                | 4    |      |          |                                                  |      |
| 18   | 52846    | Upper Radiator Cushion .....                       | 2    |      |          |                                                  |      |
| 19   | 52847    | Outboard Radiator Support .....                    | 1    |      |          |                                                  |      |
| 20   | 52848    | Lower Radiator Cushion .....                       | 2    |      |          |                                                  |      |
| 21   | 52540    | Radiator Mount Bolt .....                          | 2    |      |          |                                                  |      |
| 22   | 52541    | Radiator Mount Clip .....                          | 2    |      |          |                                                  |      |
| 23   | 22676    | Screw, M10 x 1.5 x 30 mm, GR 8.8                   |      |      |          |                                                  |      |
| 24   | 22700    | Lock Washer, M10 x 1.5                             |      |      |          |                                                  |      |
| 25   | 56079    | Fuel Filter Assembly .....                         | 1    |      |          |                                                  |      |
| —    | 52875    | O-ring, Upper                                      |      |      |          |                                                  |      |
| —    | 52876    | O-ring, Lower                                      |      |      |          |                                                  |      |
| —    | 52877    | Element                                            |      |      |          |                                                  |      |
| —    | 52886    | Fuel Filter Element Housing                        |      |      |          |                                                  |      |
| —    | 52880    | Retaining Ring, Fuel Filter Housing                |      |      |          |                                                  |      |
| 26   | 6019     | Screw - HHC, $\frac{3}{8}$ -16 x 1.25 inches, GR 5 |      |      |          |                                                  |      |
| 27   | 6097     | Flat Washer, $\frac{3}{8}$ inch                    |      |      |          |                                                  |      |

| Figure | Rev | Description                                                      |
|--------|-----|------------------------------------------------------------------|
| 404.2  | A   | Kubota Z482 E2B Diesel Engine, View 3 (after serial number 4473) |

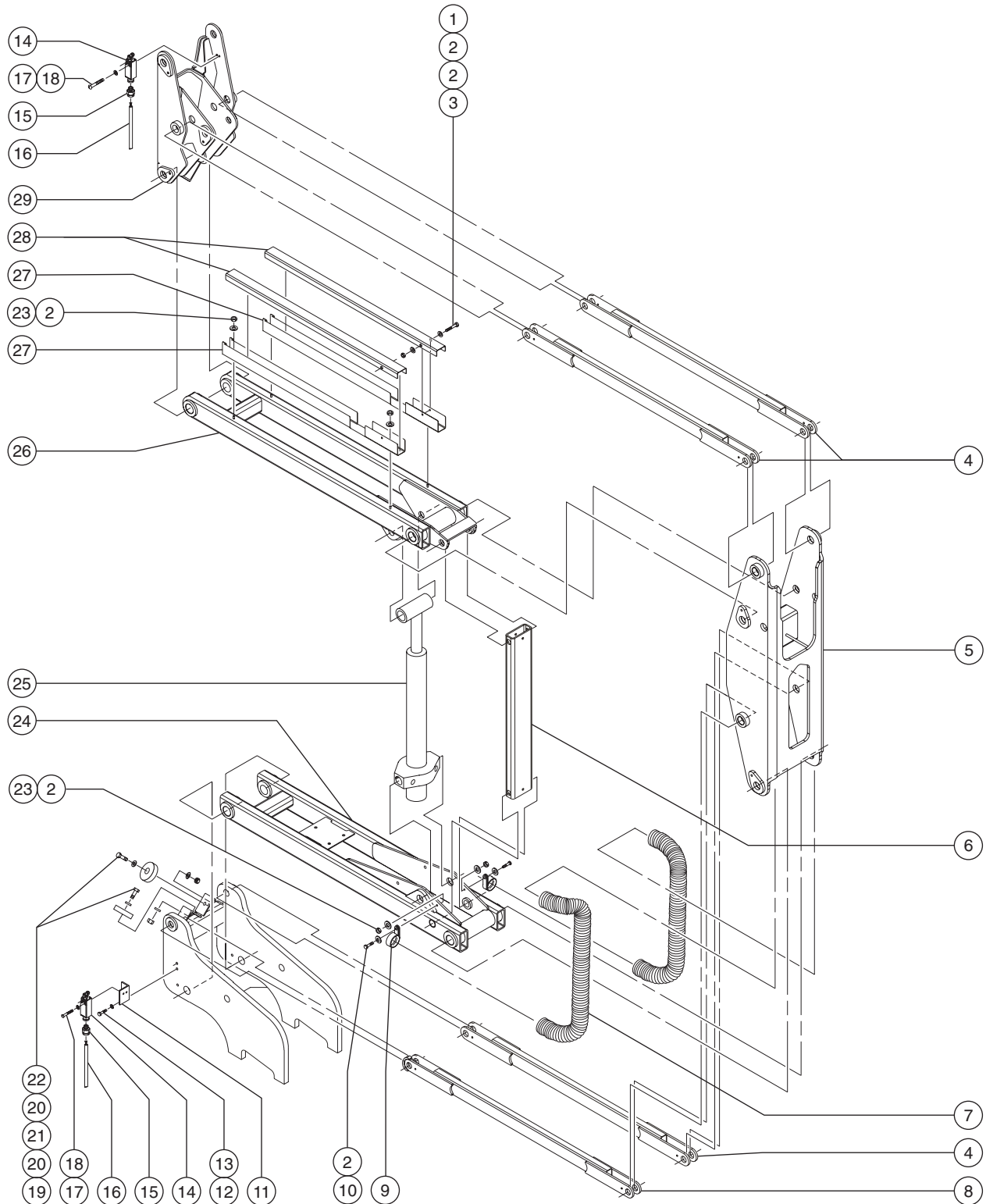


404.2

Kubota Z482 E2B Diesel Engine, View 3 (after serial number 4473) Rev A

| Item | Part No. | Description                                        | Qty. | Item | Part No. | Description                                      | Qty. |
|------|----------|----------------------------------------------------|------|------|----------|--------------------------------------------------|------|
| 1    | 32066    | Hose Clamp .....                                   | 2    | 28   | 4828     | Nylock Nut, $\frac{3}{8}$ -16                    |      |
| 2    | 52841    | Upper Radiator Hose .....                          | 1    | 29   | 56089    | Engine Tray .....                                | 1    |
| 3    | 32087    | Hose Clamp .....                                   | 2    | 30   | 42958    | Outboard Engine Mount .....                      | 2    |
| 4    | 119242   | Radiator .....                                     | 1    | 31   | 6782     | Nylock Nut, $\frac{5}{16}$ -18                   |      |
| 5    | 52843    | Radiator Cap, 14 psi / 0.97 bar ....               | 1    | 32   | 37218    | Screw - HHC, $\frac{5}{16}$ -18 x 3 inches, GR 5 |      |
| 6    | 56186    | Radiator Seal, Top and Bottom ....                 | 2    | 33   | 23057    | Screw - HHC, M8 x 1.5 x 20mm, GR 8.8             |      |
| 7    | 56185    | Radiator Seal, Sides .....                         | 1    | 34   | 49408    | Lock Washer, M8                                  |      |
| 8    | 7265     | Rivet, 0.375 x 0.25 inch                           |      | 35   | 33277    | Flat Washer, M8                                  |      |
| 9    | 56108    | Intake Hose Support .....                          | 1    | 36   | 56106    | Fly Wheel Cover .....                            | 1    |
| 10   | 7339     | Screw - HHC, $\frac{1}{4}$ -20 x 0.5 inch, GR 5    |      | 37   | 42958    | Inboard Engine Mount .....                       | 1    |
| 11   | 6638     | Flat Washer, $\frac{1}{4}$ inch                    |      | 38   | 52851    | Inboard Radiator Support .....                   | 1    |
| 12   | 32090    | Lower Radiator Hose .....                          | 1    | 39   | 52852    | Thermostat Gasket .....                          | 1    |
| 13   | 6090     | Screw - HHC, $\frac{1}{4}$ -20 x 0.75 inch, GR 5   |      | 40   | 23473    | Thermostat .....                                 | 1    |
| 14   | 6356     | Lock Washer, $\frac{1}{4}$ inch                    |      | 41   | 27367    | Thermostat Housing .....                         | 1    |
| 15   | 6091     | Nylock Nut, $\frac{1}{4}$ -20                      |      |      |          |                                                  |      |
| 16   | 28963    | Radiator Plate .....                               | 1    |      |          |                                                  |      |
| 17   | 52845    | Spring Washer .....                                | 4    |      |          |                                                  |      |
| 18   | 52846    | Upper Radiator Cushion .....                       | 2    |      |          |                                                  |      |
| 19   | 52847    | Outboard Radiator Support .....                    | 1    |      |          |                                                  |      |
| 20   | 52848    | Lower Radiator Cushion .....                       | 2    |      |          |                                                  |      |
| 21   | 52540    | Radiator Mount Bolt .....                          | 2    |      |          |                                                  |      |
| 22   | 52541    | Radiator Mount Clip .....                          | 2    |      |          |                                                  |      |
| 23   | 22676    | Screw, M10 x 1.5 x 30 mm, GR 8.8                   |      |      |          |                                                  |      |
| 24   | 22700    | Lock Washer, M10 x 1.5                             |      |      |          |                                                  |      |
| 25   | 56079    | Fuel Filter Assembly .....                         | 1    |      |          |                                                  |      |
| —    | 52875    | O-ring, Upper                                      |      |      |          |                                                  |      |
| —    | 52876    | O-ring, Lower                                      |      |      |          |                                                  |      |
| —    | 52877    | Element                                            |      |      |          |                                                  |      |
| —    | 52886    | Fuel Filter Element Housing                        |      |      |          |                                                  |      |
| —    | 52880    | Retaining Ring, Fuel Filter Housing                |      |      |          |                                                  |      |
| 26   | 6019     | Screw - HHC, $\frac{3}{8}$ -16 x 1.25 inches, GR 5 |      |      |          |                                                  |      |
| 27   | 6097     | Flat Washer, $\frac{3}{8}$ inch                    |      |      |          |                                                  |      |

| Figure | Rev | Description             |
|--------|-----|-------------------------|
| 501.1  | B   | Secondary Boom - View 1 |



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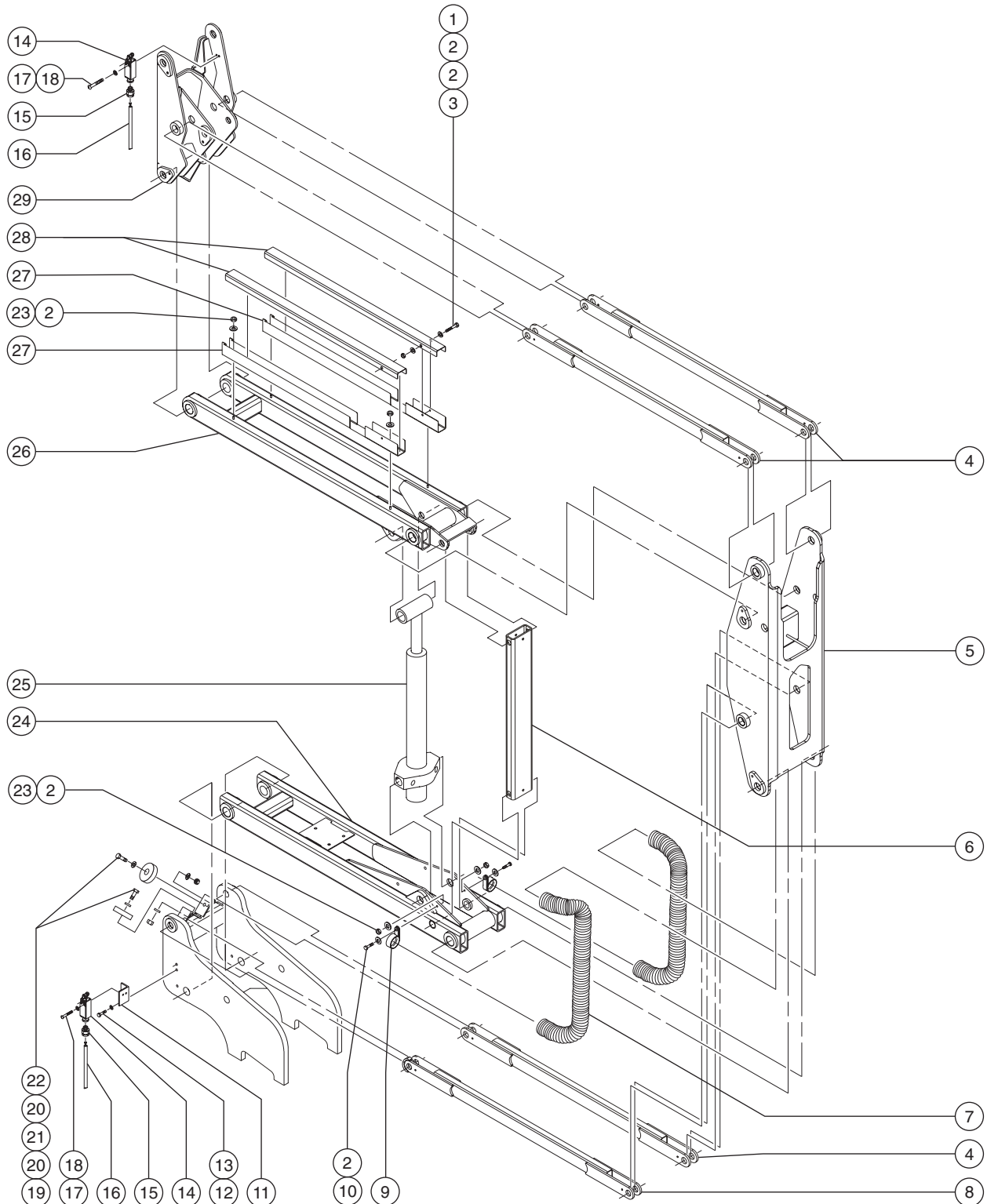
501.1  
Secondary Boom - View 1 Rev B

| Item | Part No.    | Description                                                                                                | Qty.       | Item | Part No. | Description                                                                                                   | Qty. |
|------|-------------|------------------------------------------------------------------------------------------------------------|------------|------|----------|---------------------------------------------------------------------------------------------------------------|------|
| 1    | 6884        | Screw - HHC, 1/4 -20 x 2.5 inches, GR 5                                                                    |            | 17   | 49821    | Screw-PHM, 8-32 x 1.25 inches, GR 2                                                                           |      |
| 2    | 6638        | Flat Washer, 1/4 inch                                                                                      |            | 18   | 6607     | Lock Washer, Plated, #10                                                                                      |      |
| 3    | 6889        | Low Profile Nylock Nut, 1/4 -20                                                                            |            | 19   | 45425    | Screw - FHS, 3/8 -16 x 0.75 inch, GR 5 (before serial number 2975, Z-34/22N and 2170, Z-34/22 DC & Bi-Energy) |      |
| 4    | 74946       | Compression Arm .....                                                                                      | 2          | —    | 8516     | Screw - HHC, 3/8 -16 x 1.5 inches, GR 5 (after serial number 2975, Z-34/22N and 2169, Z-34/22 DC & Bi-Energy) |      |
| 5    | 40446       | Mid-pivot Assembly with Bearings (bearings shown in 502.1) .....                                           | 1          | 20   | 5397     | Flat Washer, 5/16 inch (after serial number 2974, Z-34/22N and 2169, Z-34/22 DC & Bi-Energy)                  |      |
| 6    | 36664-S     | Connecting Link (before serial number 2956, Z-34/22N and 2152, Z-34/22DC & Bi-Energy) ....                 | 1          | 21   | 36366    | Wear Pad, 2.5 x 2 x 0.75 inch (before serial number 2975, Z-34/22N and 2170, Z-34/22 DC & Bi-Energy) .....    | 1    |
| —    | 74232-S     | Connecting Link (after serial number 2955, Z-34/22N and 2151, Z-34/22 DC & Bi-Energy)                      |            | —    | 74085    | Wear Pad, 2.5 x 0.75 inch (after serial number 2974, Z-34/22N and 2169, Z-34/22 DC & Bi-Energy)               |      |
| 7    | 42939       | Wire Loom .....                                                                                            | 2          | 22   | 4828     | Nylock Nut, 3/8 -16 (after serial number 2974, Z-34/22N and 2169, Z-34/22 DC & Bi-Energy)                     |      |
| 8    | 74947       | Lower Compression Arm, Ground Controls Side .....                                                          | 2          | 23   | 6091     | Nylock Nut, 1/4 -20                                                                                           |      |
| 9    | 27497       | Rubber Cushioned Clamp, 2 5/32 inches .....                                                                | 2          | 24   | 40449    | Lower Secondary Boom with Bearings (bearings shown in 402.1) .....                                            | 1    |
| 10   | 6888        | Screw - HHC, 1/4 -20 x 1 inch, GR 5                                                                        |            | 25   | 94210    | Elevate Cylinder .....                                                                                        | 1    |
| 11   | 42413       | Limit Switch Mount .....                                                                                   | 1          | —    | 31106    | Counterbalance Valve, 3000 psi / 206.8 bar                                                                    |      |
| 12   | 8914        | Screw - HHC, 1/4 -20 x 0.63 inch, GR 5                                                                     |            | —    | 52626    | Bearing, 1.25 x 1.41 x 0.75 inch                                                                              |      |
| 13   | 6356        | Lock Washer, 1/4 inch                                                                                      |            | —    | 94253    | Seal Kit (after serial number 4119, Z-34/22N and 3461, Z-34/22 DC & Bi-Energy)                                |      |
| 14   | 74332       | Limit Switch with Roller Head (before serial number 4744, Z-34/22N and 3883, Z-34/22 DC & Bi-Energy) ..... | 1          | —    | 56756    | Seal Kit (from serial number 3686 to 4119, Z-34/22N and 3155 to 3461, Z-34/22 DC & Bi-Energy)                 |      |
| —    | 19491       | Contact                                                                                                    |            | —    | 48404    | Seal Kit (before serial number 3686, Z-34/22N and 3155, Z-34/22 DC & Bi-Energy)                               |      |
| —    | 27643       | Roller Arm                                                                                                 |            |      |          |                                                                                                               |      |
| 14   | 88356-116R3 | Limit Switch with Roller Head (after serial number 4743, Z-34/22N and 3882, Z-34/22 DC & Bi-Energy) .....  | 1          |      |          |                                                                                                               |      |
| —    | 106430      | Roller Arm                                                                                                 |            |      |          |                                                                                                               |      |
| —    | 106427      | Roller Arm, Rotary Head                                                                                    |            |      |          |                                                                                                               |      |
| 15   | 7056        | Squeeze Connector, 1/2 inch NPT .....                                                                      | 1          |      |          |                                                                                                               |      |
| 16   | 45051       | Electrical Cord, 16 Gauge, 2 Conductor .....                                                               | 264 inches |      |          |                                                                                                               |      |

This list continues on next page.



| Figure | Rev | Description             |
|--------|-----|-------------------------|
| 501.1  | B   | Secondary Boom - View 1 |

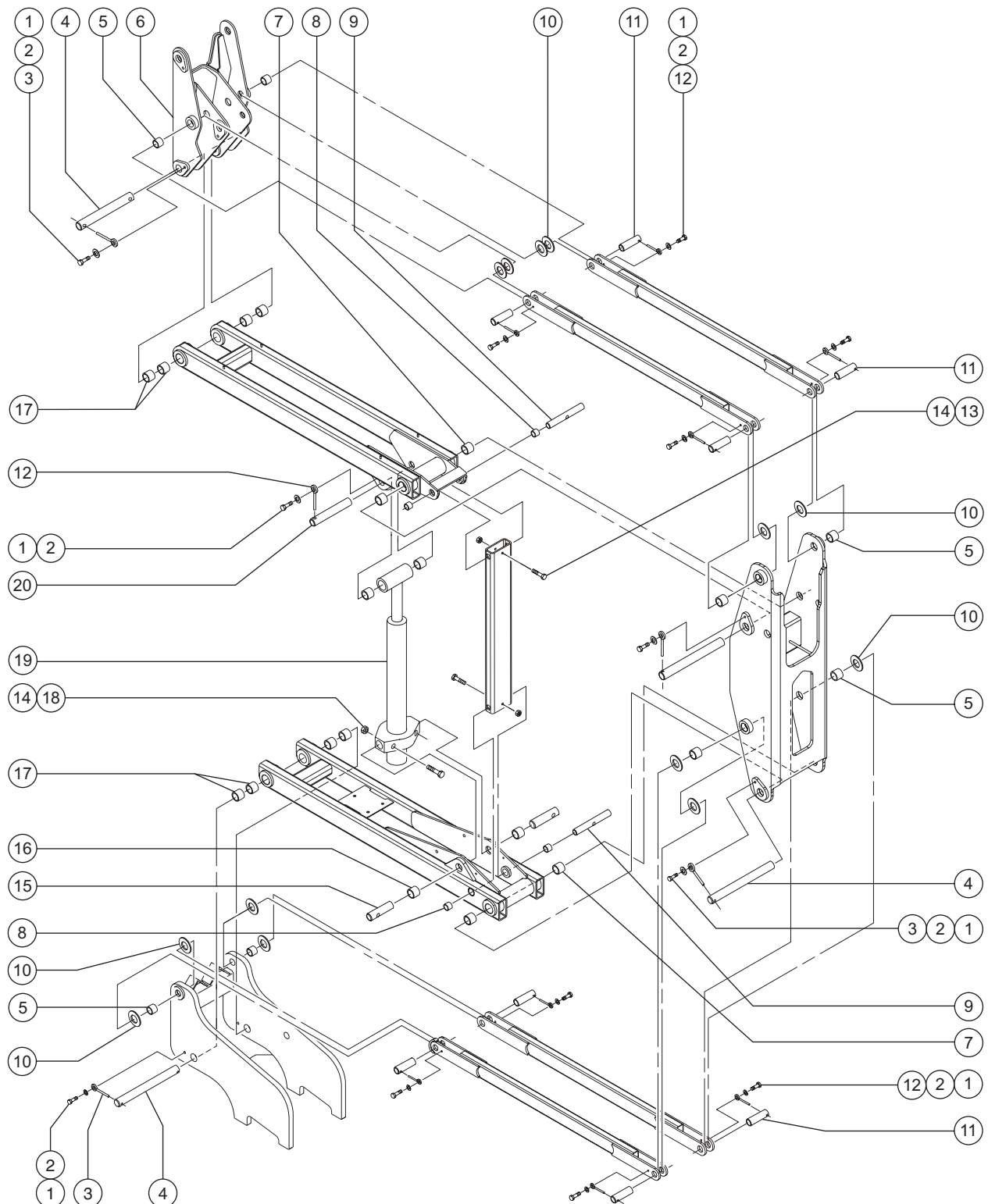


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501.1  
Secondary Boom - View 1 Rev B

| Item | Part No. | Description                                                                                                                            | Qty. |
|------|----------|----------------------------------------------------------------------------------------------------------------------------------------|------|
| 26   | 74379    | Upper Secondary Boom with Bearings (after serial number 2005, Z34-22N and 1581, Z-34/22DC & Bi-Energy) (bearings shown in 502.1) ..... | 1    |
| 27   | 42612-S  | Hose Track .....                                                                                                                       | 2    |
| 28   | 42613-S  | Hose Cover .....                                                                                                                       | 2    |
| 29   | 40447    | Upper Pivot Assembly with Bearings and Decals .....                                                                                    | 1    |

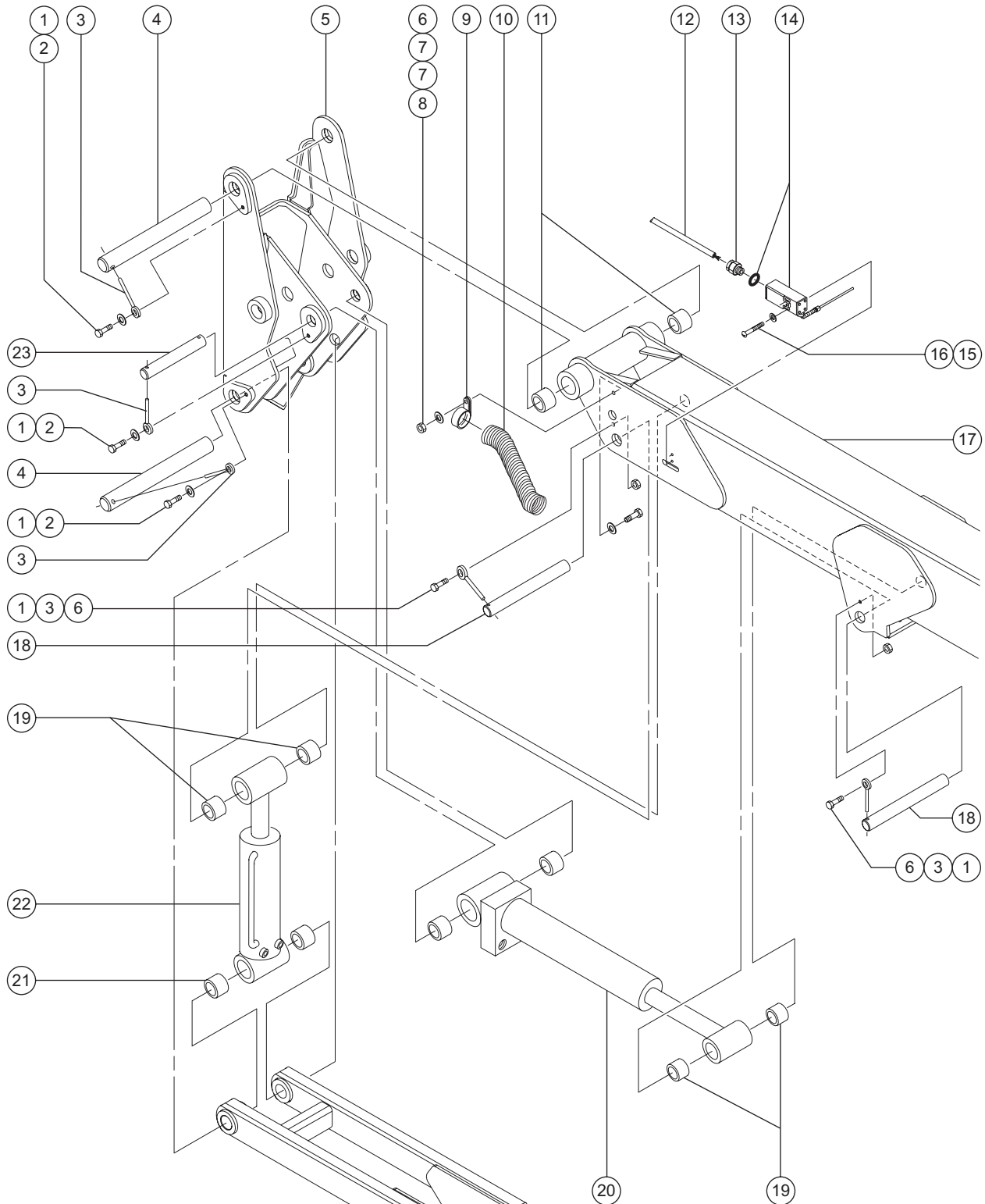
| Figure | Rev | Description             |
|--------|-----|-------------------------|
| 502.1  | A   | Secondary Boom - View 2 |



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| Item | Part No. | Description                                                             | Qty. |
|------|----------|-------------------------------------------------------------------------|------|
| 1    | 6175     | Screw - HHC, $\frac{3}{8}$ -16 x 1 inch, GR 5                           |      |
| 2    | 6021     | Lock Washer, $\frac{3}{8}$ inch                                         |      |
| 3    | 45226    | Rod End, 0.375 x 3.25 inches ..... 4                                    | 4    |
| 4    | 36194    | Pivot Pin, 15.13 x 1.5 inches ..... 4                                   | 4    |
| 5    | 34245    | Bearing, 1.25 x 1.5 x 1.25 inches ..... 8                               | 8    |
| 6    | 40447    | Upper Pivot Assembly with Bearings and Decals (includes item 5) ..... 1 | 1    |
| 7    | 45071    | Bearing, 1.5 x 1.75 x 1.5 inches ..... 4                                | 4    |
| 8    | 36245    | Flange Bearing, 1 x 1.25 x 0.84 inch ..... 4                            | 4    |
| 9    | 36202    | Pivot Pin, 7.25 x 1 inch ..... 2                                        | 2    |
| 10   | 30255    | Shim Washer, 1.27 x 2.13 x 0.062 inch                                   |      |
| 11   | 36390    | Pivot Pin, 3.63 x 1.25 inches ..... 8                                   | 8    |
| 12   | 25284    | Rod End, 0.375 x 2.25 inches ..... 9                                    | 9    |
| 13   | 36874    | Screw - BHS, $\frac{3}{8}$ -16 x 2.5 inches, GR 5                       |      |
| 14   | 4828     | Nylock Nut, $\frac{3}{8}$ -16                                           |      |
| 15   | 36205    | Pivot Pin, 3 x 1.25 inches ..... 2                                      | 2    |
| 16   | 36246    | Flange Bearing, 1.25 x 1.5 x 1.09 inches ..... 2                        | 2    |
| 17   | 18396    | Bearing, 1.5 x 1.75 x 1 inch ..... 8                                    | 8    |
| 18   | 14033    | Screw - HHC, $\frac{3}{8}$ -16 x 2.75 inches, GR 5                      |      |
| 19   | Ref.     | Secondary Boom Lift Cylinder (refer to 501.1)                           |      |
| 20   | 36200    | Pivot Pin, 9.38 x 1.25 inches ..... 1                                   | 1    |

| Figure | Rev | Description |
|--------|-----|-------------|
| 503.1  | B   | Upper Pivot |



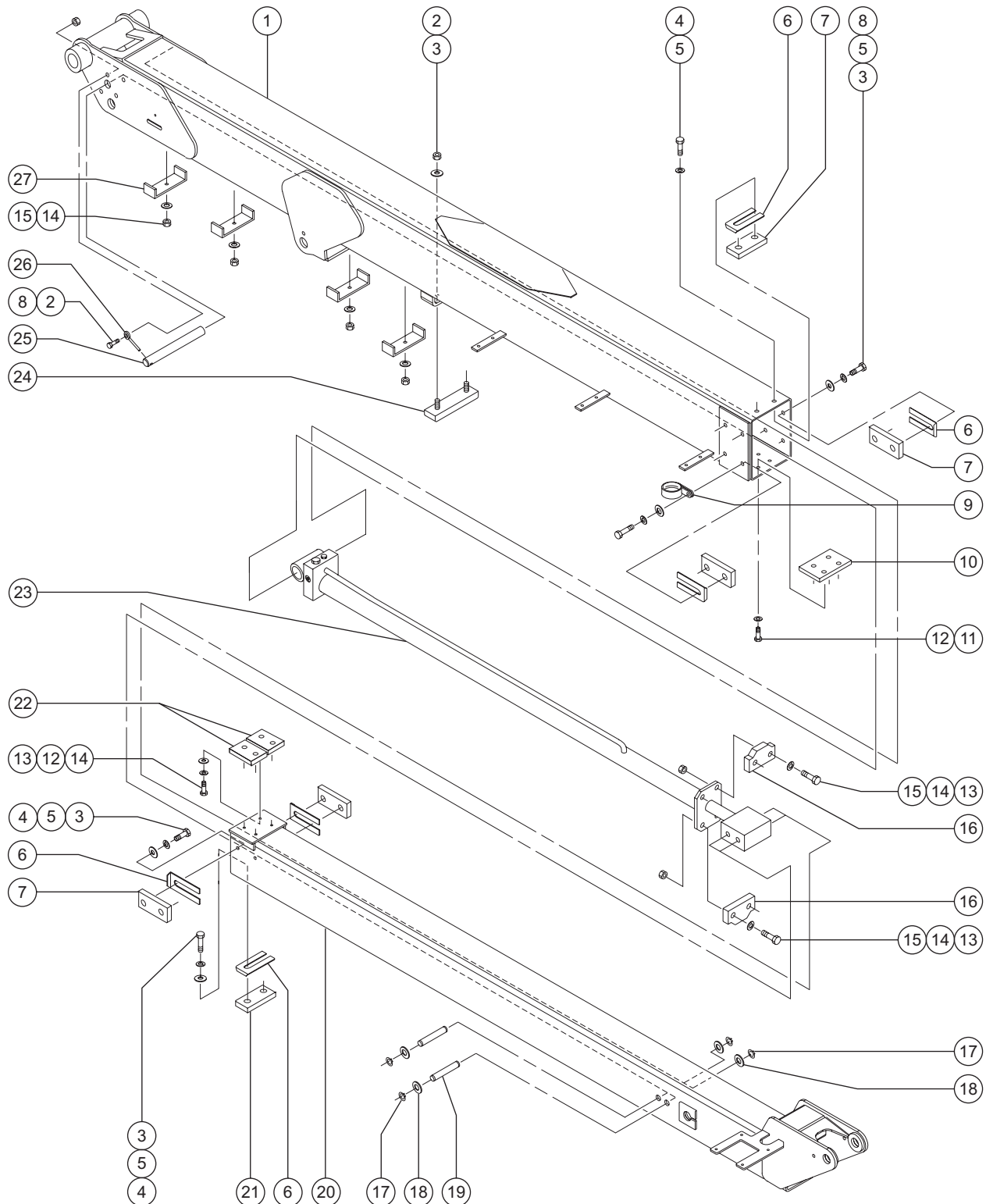
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503.1

Upper Pivot Rev B

| Item | Part No.    | Description                                                                                                 | Qty.       | Item | Part No. | Description                                                                                            | Qty. |
|------|-------------|-------------------------------------------------------------------------------------------------------------|------------|------|----------|--------------------------------------------------------------------------------------------------------|------|
| 1    | 6019        | Screw-HHC, $\frac{3}{8}$ -16 x 1.25 inches, GR 5                                                            |            | 19   | 52626    | Bearing, 1.25 x 1.41 x 0.75 inch ...                                                                   | 6    |
| 2    | 6021        | Lock Washer, $\frac{3}{8}$ inch                                                                             |            | 20   | 94215    | Lift Cylinder .....                                                                                    | 1    |
| 3    | 45226       | Rod End, 0.375 x 3.25 inches .....                                                                          | 4          | —    | 43937    | Counterbalance Valve,<br>3200 psi / 220.6 bar                                                          |      |
| 4    | 36194       | Pivot Pin, 15.13 x 1.5 inches .....                                                                         | 2          | —    | 94258    | Seal Kit (after serial number<br>4078, Z-34/22N and 3430,<br>Z-34/22 DC & Bi-Energy)                   |      |
| 5    | 40447       | Upper Pivot Assembly with<br>Bearings and Decals .....                                                      | 1          | —    | 83085    | Seal Kit (from serial number<br>3701 to 4078, Z-34/22N and<br>3176 to 3430, Z-34/22 DC &<br>Bi-Energy) |      |
| —    | 34245       | Bearing, 1.25 x 1.5 x 1.25 inches                                                                           |            | —    | 48402    | Seal Kit (before serial number<br>3701, Z-34/22N and 3176,<br>Z-34/22 DC & Bi-Energy)                  |      |
| 6    | 7713        | Low Profile Nylock Nut, $\frac{3}{8}$ -16                                                                   |            | 21   | 52625    | Bearing, 1.5 x 1.66 x 1.5 inches ...                                                                   | 2    |
| 7    | 5397        | Flat Washer, $\frac{5}{16}$ inch                                                                            |            | 22   | 94216    | Master Cylinder .....                                                                                  | 1    |
| 8    | 6175        | Screw-HHC, $\frac{3}{8}$ -16 x 1 inch, GR 5                                                                 |            | —    | 94259    | Seal Kit (after serial number<br>4134, Z-34/22N and 3465,<br>Z-34/22 DC & Bi-Energy)                   |      |
| 9    | 27497       | Rubber Cushioned Clamp,<br>2 $\frac{5}{32}$ inches .....                                                    | 1          | —    | 52620    | Seal Kit (from serial number<br>3599 to 4134, Z-34/22N and<br>3003 to 3465, Z-34/22 DC &<br>Bi-Energy) |      |
| 10   | 42939       | Wire Loom, 1.88 inches .....                                                                                | 1          | —    | 48400    | Seal Kit (before serial number<br>3599, Z-34/22N and 3003,<br>Z-34/22 DC & Bi-Energy)                  |      |
| —    | 28443       | Cable Tie, 11.5 inches                                                                                      |            | 23   | 36198    | Pivot Pin, 8.13 x 1.25 inches .....                                                                    | 1    |
| 11   | 45071       | Bearing, 1.5 x 1.75 x 1.5 inches ...                                                                        | 2          |      |          |                                                                                                        |      |
| 12   | 44133       | Electrical Cord, 16 Gauge,<br>4 Conductor .....                                                             | 264 inches |      |          |                                                                                                        |      |
| 13   | 7056        | Squeeze Connector,<br>$\frac{1}{2}$ inch NPT .....                                                          | 1          |      |          |                                                                                                        |      |
| 14   | 74296       | Limit Switch with Arm (before<br>serial number 4744, Z-34/22N<br>and 3883, Z-34/22 DC &<br>Bi-Energy) ..... | 1          |      |          |                                                                                                        |      |
| —    | 19491       | Contact                                                                                                     |            |      |          |                                                                                                        |      |
| —    | 22359       | Arm                                                                                                         |            |      |          |                                                                                                        |      |
| 14   | 88356-127J3 | Limit Switch with Arm (after<br>serial number 4743, Z-34/22N<br>and 3882, Z-34/22DC &<br>Bi-Energy) .....   | 1          |      |          |                                                                                                        |      |
| —    | 106433      | Arm                                                                                                         |            |      |          |                                                                                                        |      |
| 15   | 16486       | Screw-RHM, 10-32 x 1.75 inches, GR 2                                                                        |            |      |          |                                                                                                        |      |
| 16   | 6607        | Lock Washer, Plated, #10                                                                                    |            |      |          |                                                                                                        |      |
| 17   | Ref.        | Primary Boom (refer to 504.1)                                                                               |            |      |          |                                                                                                        |      |
| 18   | 36195       | Pivot Pin, 8.88 x 1.25 inches .....                                                                         | 2          |      |          |                                                                                                        |      |

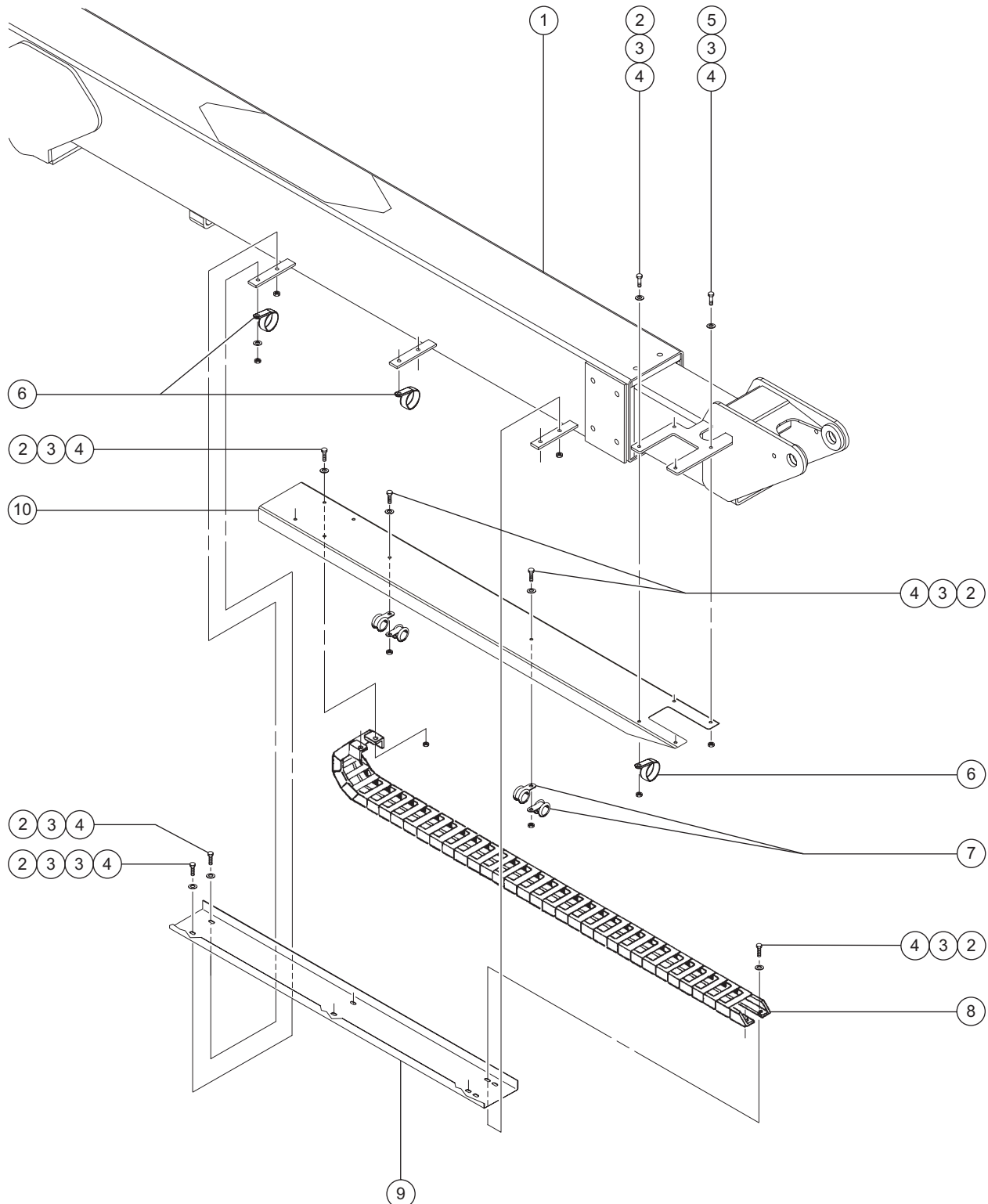
| Figure | Rev | Description                 |
|--------|-----|-----------------------------|
| 504.1  | B   | Primary and Extension Booms |



504.1  
Primary and Extension Booms Rev B

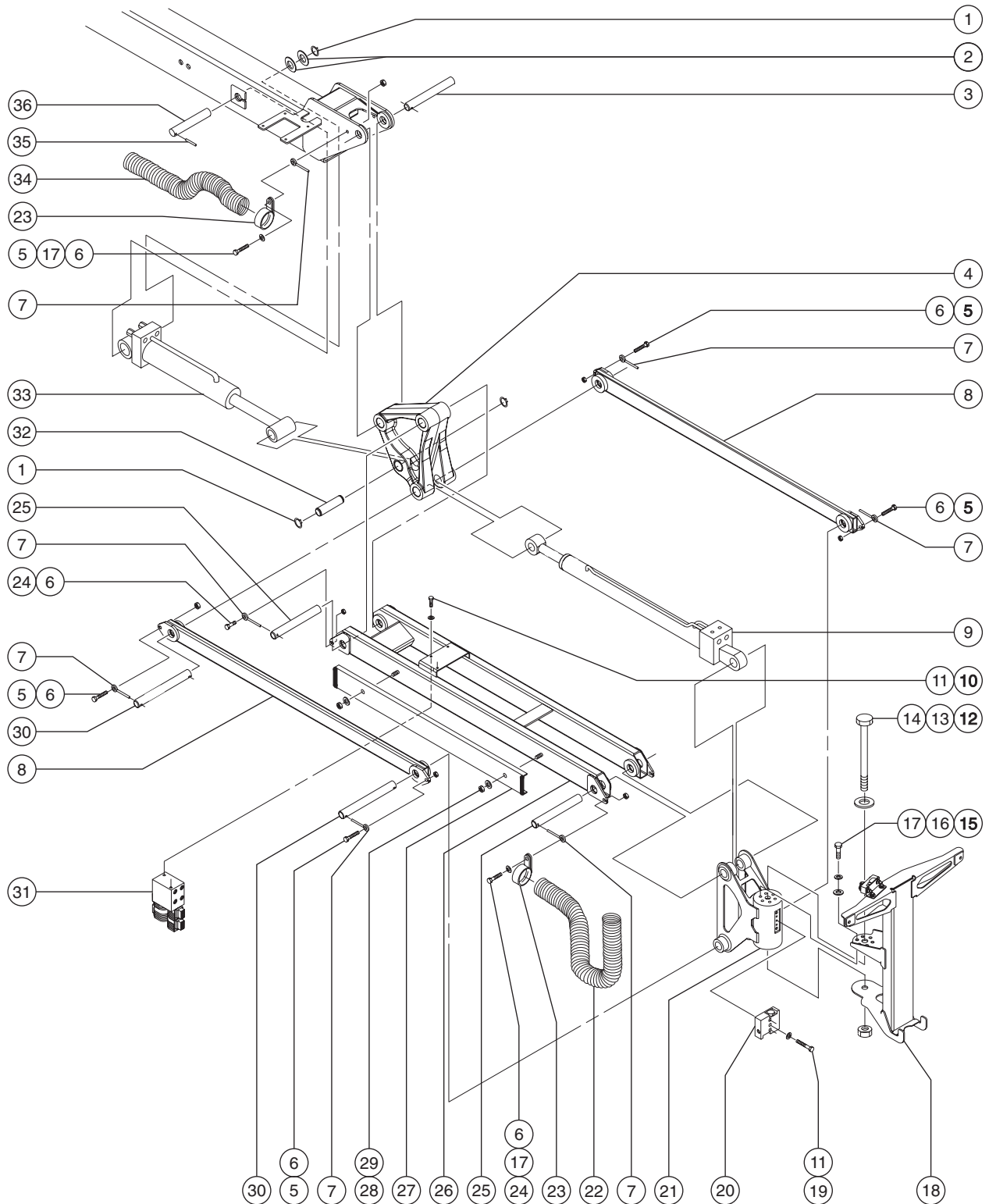
| Item | Part No. | Description                                                                                                                                                                  | Qty. | Item | Part No. | Description                                                                                                            | Qty. |
|------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------|------------------------------------------------------------------------------------------------------------------------|------|
| —    | 42356    | Pinch Guard Flatbar (Europe)                                                                                                                                                 |      | 17   | 10262    | External Snap Ring, 0.75 inch .....                                                                                    | 4    |
| —    | 42355    | Rubber Pinch Guard (Europe)                                                                                                                                                  |      | 18   | 6563     | Shim Washer,<br>0.75 x 1.125 x 0.03 inch .....                                                                         | 6    |
| —    | 74263    | Pinch Guard Angle (Europe)                                                                                                                                                   |      | 19   | 36192    | Pivot Pin, 5.63 x 0.75 inch .....                                                                                      | 2    |
| 1    | 40450    | Primary Boom Tube Assembly<br>with Bearings and Decals<br>(bearings are shown in 503.1)<br>(before serial number 2796,<br>Z-34/22N and 2006, Z-34/22DC<br>& Bi-Energy) ..... | 1    | 20   | 36492-S  | Primary Boom Extension Tube<br>(before serial number 3076,<br>Z-34/22N and 2309, Z-34/22DC<br>& Bi-Energy) .....       | 1    |
| —    | 62504    | Primary Boom Tube Assembly<br>with Bearings and Decals<br>(bearings are shown in 503.1)<br>(after serial number 2005,<br>Z-34/22DC & Bi-Energy) .....                        | 1    | 20   | 74524    | Primary Boom Extension Tube<br>(after serial number 3075,<br>Z-34/22N and 2308, Z-34/22DC<br>& Bi-Energy)              |      |
| —    | 62505    | Primary Boom Tube Assembly<br>with Bearings and Decals<br>(after serial number 2795,<br>Z-34/22N) .....                                                                      | 1    | 21   | 30138    | Wear Pad, 5 x 1.5 x 0.63 inch .....                                                                                    | 6    |
| 2    | 7713     | Low Profile Nylock Nut, $\frac{3}{8}$ -16                                                                                                                                    |      | 22   | 45745    | Wear Pad, 4 x 2 x 0.5 inch .....                                                                                       | 2    |
| 3    | 5397     | Flat Washer, $\frac{5}{16}$ inch                                                                                                                                             |      | 23   | 94212    | Extension Cylinder .....                                                                                               | 1    |
| 4    | 6175     | Screw - HHC, $\frac{3}{8}$ -16 x 1 inch,<br>GR 5                                                                                                                             |      | —    | 36648    | Counterbalance Valve,<br>2500 psi / 172 bar                                                                            |      |
| 5    | 6021     | Lock Washer, $\frac{3}{8}$ inch                                                                                                                                              |      | —    | 94255    | Seal Kit (after serial number<br>4077, Z-34/22N and 3428,<br>Z-34/22 DC & Bi-Energy)                                   |      |
| 6    | 42502    | Shim, 1.5 x 5 x 0.03 inches .....                                                                                                                                            | 2    | —    | 83086    | Seal Kit (from serial number<br>4018 to 4077, Z-34/22N and<br>3328 to 3428, Z-34/22 DC &<br>Bi-Energy)                 |      |
| —    | 29080    | Shim, 1.5 x 5 x 0.06 inches                                                                                                                                                  |      | —    | 48406    | Seal Kit (before serial number<br>4018, Z-34/22N and 3328,<br>Z-34/22 DC & Bi-Energy)                                  |      |
| 7    | 34125    | Wear Pad, 5 x 1.5 x 0.75 inch .....                                                                                                                                          | 2    | 24   | 36413    | Wear Pad, 7 x 2 x 0.5 inch<br>(before serial number 2769,<br>Z-34/22N and 2006, Z-34/22DC<br>& Bi-Energy) .....        | 1    |
| 8    | 6019     | Screw - HHC, $\frac{3}{8}$ -16 x 1.25<br>inches, GR 5                                                                                                                        |      | —    | 74244    | Wear Pad, 6 x 2 x 1 inch (from<br>serial number 2796 to 3346,<br>Z-34/22N, and 2006 to 2402,<br>Z-34/22DC & Bi-Energy) |      |
| 9    | 27498    | Rubber Cushioned Clamp,<br>2 $\frac{5}{32}$ inches .....                                                                                                                     | 1    | —    | 56849    | Wear Pad, 6 x 2 x 1 inch<br>(after serial number 3346,<br>Z-34/22N, and 2402, Z-34/22DC<br>& Bi-Energy)                |      |
| 10   | 42621    | Wear Pad, 4 x 4 x 0.75 inch .....                                                                                                                                            | 1    | 25   | 36193    | Pivot Pin, 8.88 x 1 inch .....                                                                                         | 1    |
| 11   | 6090     | Screw - HHC, $\frac{1}{4}$ -20 x 0.75<br>inch, GR 5                                                                                                                          |      | 26   | 45226    | Rod end, 0.375 x 3.25 inches .....                                                                                     | 1    |
| 12   | 6356     | Lock Washer, $\frac{1}{4}$ inch                                                                                                                                              |      | 27   | 45104    | Hose Clamp .....                                                                                                       | 4    |
| 13   | 6888     | Screw - HHC, $\frac{1}{4}$ -20 x 1 inch,<br>GR 5                                                                                                                             |      |      |          |                                                                                                                        |      |
| 14   | 6638     | Flat Washer, $\frac{1}{4}$ inch                                                                                                                                              |      |      |          |                                                                                                                        |      |
| 15   | 6091     | Nylock Nut, $\frac{1}{4}$ -20                                                                                                                                                |      |      |          |                                                                                                                        |      |
| 16   | 36377    | Wear Pad, 4.13 x 1.31 x 1 inch<br>(before serial number 4252) .....                                                                                                          | 2    |      |          |                                                                                                                        |      |
| —    | 74066    | Wear Pad, 4.13 x 1.31 x 1 inch<br>(after serial number 4253)                                                                                                                 |      |      |          |                                                                                                                        |      |

| Figure | Rev | Description |
|--------|-----|-------------|
| 505.1  | B   | Cable Track |



| Item | Part No. | Description                                                                                                    | Qty. |
|------|----------|----------------------------------------------------------------------------------------------------------------|------|
| 1    | Ref.     | Primary and Extension Booms<br>(refer to 504.1)                                                                |      |
| 2    | 6888     | Screw - HHC, 1/4 -20 x 1 inch,<br>GR 5                                                                         |      |
| 3    | 6638     | Flat Washer, 1/4 inch                                                                                          |      |
| 4    | 6091     | Nylock Nut, 1/4 -20                                                                                            |      |
| 5    | 6090     | Screw - HHC, 1/4 -20 x 0.75<br>inch, GR 5                                                                      |      |
| 6    | 27497    | Rubber Cushioned Clamp,<br>2 5/32 inches .....                                                                 | 3    |
| 7    | 6833     | Rubber Cushioned Clamp,<br>1/2 inch .....                                                                      | 4    |
| 8    | 42763    | Plastic Cable Track, 25 Links .....                                                                            | 1    |
| —    | 58919    | Repair Link Set, 7 Links                                                                                       |      |
| —    | 58927    | Repair Link, Single                                                                                            |      |
| —    | 58920    | Repair Link End Set                                                                                            |      |
| 9    | 56983-S  | Lower Channel Assembly .....                                                                                   | 1    |
| —    | 27258    | Rubber Trim                                                                                                    |      |
| 10   | 42693P-S | Upper Cable Track Channel<br>(before serial number 3076,<br>Z-34/22N and 2308, Z-34/22DC<br>& Bi-Energy) ..... | 1    |
| —    | 74119    | Upper Cable Track Channel<br>(after serial number 3075,<br>Z-34/22N and 2307, Z-34/22DC<br>& Bi-Energy)        |      |

| Figure | Rev | Description                   |
|--------|-----|-------------------------------|
| 506.1  | C   | Jib Boom and Platform Rotator |



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Z-34/22N • Z-34/22 DC • Z-34/22 Bi-Energy

Part No. 106046

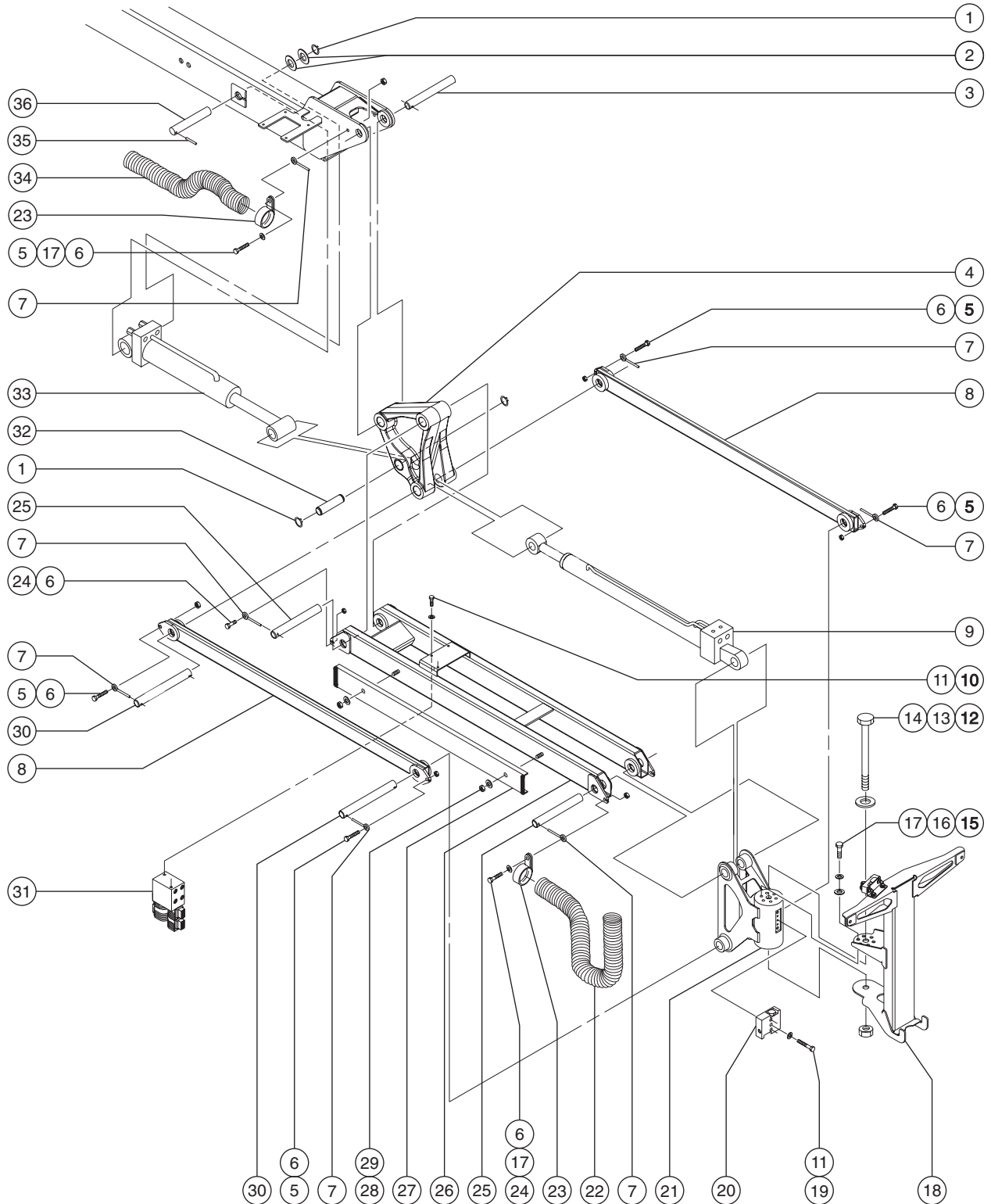
506.1  
Jib Boom and Platform Rotator Rev C

| Item | Part No. | Description                                                                                                  | Qty. | Item | Part No. | Description                                                                                 | Qty. |
|------|----------|--------------------------------------------------------------------------------------------------------------|------|------|----------|---------------------------------------------------------------------------------------------|------|
| 1    | 74019    | External Snap Ring, 1.25 inches ..                                                                           | 2    | 15   | 6175     | Screw - HHC, $\frac{3}{8}$ -16 x 1 inch, GR 5                                               |      |
| 2    | 30255    | Shim Washer, 1.27 x 2.13 x 0.062 inch .....                                                                  | 2    | 16   | 6021     | Lock Washer, $\frac{3}{8}$ inch                                                             |      |
| 3    | 34241    | Pivot Pin, 7 x 1.25 inches .....                                                                             | 1    | 17   | 5397     | Flat Washer, $\frac{5}{16}$ inch                                                            |      |
| 4    | 37128    | Bellcrank Assembly with Bearings (before serial number 3296, Z-34/22N and 2054, Z-34/22DC & Bi-Energy) ..... | 1    | 18   | 36249-S  | Platform Support (before serial number 2548, Z-34/22N and 1892, Z-34/22DC & Bi-Energy) .... | 1    |
| —    | 74587    | Bellcrank Assembly with Bearings (after serial number 3295, Z-34/22N and 2053, Z-34/22DC & Bi-Energy)        |      | —    | 56500    | Platform Support (after serial number 2547, Z-34/22N and 1891, Z-34/22DC & Bi-Energy)       |      |
| —    | 35675    | Flange Bearing, 1.25 x 1.5 x 1.25 inches                                                                     |      | 19   | 6145     | Screw - HHC, $\frac{1}{4}$ -20 x 1.5 inches, GR 5                                           |      |
| —    | 34245    | Bearing, 1.25 x 1.5 x 1.25 inches                                                                            |      | 20   | Ref.     | Platform Rotator Manifold (refer to 703.1)                                                  |      |
| 5    | 8516     | Screw - HHC, $\frac{3}{8}$ -16 x 1.5 inches, GR 5                                                            |      | 21   | 36062    | Platform Rotator (before serial number 2548, Z-34/22N and 1892, Z-34/22DC & Bi-Energy) .... | 1    |
| 6    | 4828     | Nylock Nut, $\frac{3}{8}$ -16                                                                                |      | —    | 33930    | Seal Kit                                                                                    |      |
| 7    | 45226    | Rod End, 0.375 x 3.25 inches .....                                                                           | 8    | —    | 37099    | Bearing Kit                                                                                 |      |
| 8    | 36054-S  | Jib Compression Arm .....                                                                                    | 2    | —    | 13852    | Bleeder Valve, $\frac{1}{8}$ -27 NPT                                                        |      |
| 9    | 94218    | Jib Cylinder .....                                                                                           | 1    | 21   | 56591    | Platform Rotator (after serial number 2547, Z-34/22N and 1891, Z-34/22DC & Bi-Energy)       |      |
| —    | 31106    | Counterbalance Valve, 3000 psi / 206.8 bar                                                                   |      | —    | 62509    | Seal Kit                                                                                    |      |
| —    | 52626    | Bearing, 1.25 x 1.41 x 0.75 inch                                                                             |      | —    | 62510    | Bearing Kit                                                                                 |      |
| —    | 94261    | Seal Kit (after serial number 4116, Z-34/22N and 3458, Z-34/22 DC & Bi-Energy)                               |      | —    | 13852    | Bleeder Valve, $\frac{1}{8}$ -27 NPT                                                        |      |
| —    | 83087    | Seal Kit (from serial number 3972 to 4116, Z-34/22N and 3298 to 3458, Z-34/22 DC & Bi-Energy)                |      | 21   | 94404    | Platform Rotator (after serial number 4761, Z-34/22N and 3891, Z-34/22DC & Bi-Energy)       |      |
| —    | 48405    | Seal Kit (before serial number 3972, Z-34/22N and 3298, Z-34/22 DC & Bi-Energy)                              |      | —    | 107580   | Seal Kit                                                                                    |      |
| 10   | 6090     | Screw - HHC, $\frac{1}{4}$ -20 x 0.75 inch, GR 5                                                             |      | —    | 62510    | Bearing Kit                                                                                 |      |
| 11   | 6356     | Lock Washer, $\frac{1}{4}$ inch                                                                              |      | —    | 13852    | Bleeder Valve, $\frac{1}{8}$ -27 NPT                                                        |      |
| 12   | 56925    | Screw - HHC, 1-8 x 11 inches, GR 2                                                                           |      | 22   | 42939    | Wire Loom, 1.88 inches .....                                                                | 1    |
| 13   | 13775    | Flat Washer, 1 inch                                                                                          |      | 23   | 27497    | Rubber Cushioned Clamp .....                                                                |      |
| 14   | 29764    | Nylock Nut, 1-8                                                                                              |      | 24   | 6019     | Screw - HHC, $\frac{3}{8}$ -16 x 1.25 inches, GR 5                                          |      |
|      |          |                                                                                                              |      | 25   | 36199    | Pivot Pin, 10.38 x 1.25 inches .....                                                        | 2    |

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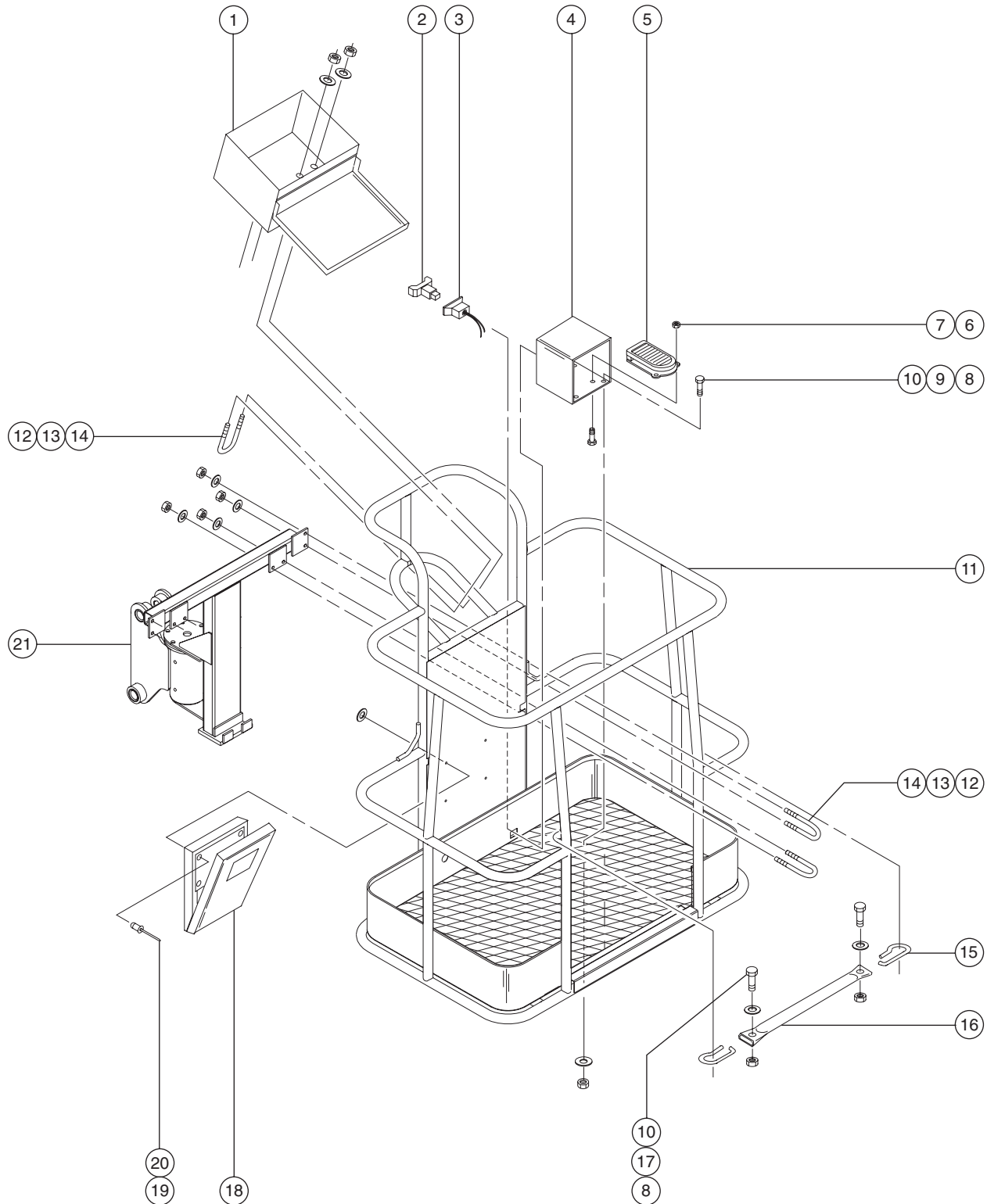
| Figure | Rev | Description                   |
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| 506.1  | C   | Jib Boom and Platform Rotator |



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| Item | Part No. | Description                                                                                               | Qty.      |
|------|----------|-----------------------------------------------------------------------------------------------------------|-----------|
| 26   | 36279-S  | Jib Boom (before serial number 2772, Z-34/22N and 2006, Z-34/22DC & Bi-Energy) .....                      | 1         |
| —    | 56979-S  | Jib Boom (after serial number 2771, Z-34/22N and 2005, Z-34/22DC & Bi-Energy)                             |           |
| 27   | 36654    | Hose Cover Assembly .....                                                                                 | 1         |
| 28   | 6091     | Nylock Nut, 1/4 -20                                                                                       |           |
| 29   | 6638     | Flat Washer, 1/4 inch                                                                                     |           |
| 30   | 42797    | Pivot Pin, 12.5 x 1.25 inches .....                                                                       | 2         |
| 31   | Ref.     | Jib Boom Manifold (refer to 703.1)                                                                        |           |
| 32   | 36189    | Pivot Pin, 4.38 x 1.25 inches (before serial number 2776, Z-34/22N and 1987, Z-34/22DC & Bi-Energy) ..... | 1         |
| —    | 56749    | Pivot Pin, 4.8 x 1.25 inches (after serial number 2775, Z-34/22N and 1986, Z-34/22DC & Bi-Energy)         |           |
| 33   | 94217    | Slave Cylinder .....                                                                                      | 1         |
| —    | 40665    | Counterbalance Valve, 3000 psi / 206.8 bar                                                                |           |
| —    | 74614    | Flange Bearing                                                                                            |           |
| —    | 25683    | Bearing, 1.25 x 1.41 x 0.75 inch                                                                          |           |
| —    | 94260    | Seal Kit (after serial number 4134, Z-34/22N and 3465, Z-34/22 DC & Bi-Energy)                            |           |
| —    | 52620    | Seal Kit (before serial number 4135, Z-34/22N and 3466, Z-34/22 DC & Bi-Energy)                           |           |
| 34   | 42939    | Wire Loom, 1.88 inches Diameter .....                                                                     | 32 inches |
| 35   | 10665    | Roll Pin, 0.25 x 1.5 inches .....                                                                         | 1         |
| 36   | 36190    | Pivot Pin, 6.06 x 1.25 inches .....                                                                       | 1         |

| Figure | Rev | Description                                                                    |
|--------|-----|--------------------------------------------------------------------------------|
| 601.1  | A   | Platform (before serial number 2548, Z-34/22N and 1892, Z-34/22DC & Bi-Energy) |



**Genie**  
A TEREX COMPANY

Z-34/22N • Z-34/22 DC • Z-34/22 Bi-Energy

Part No. 106046

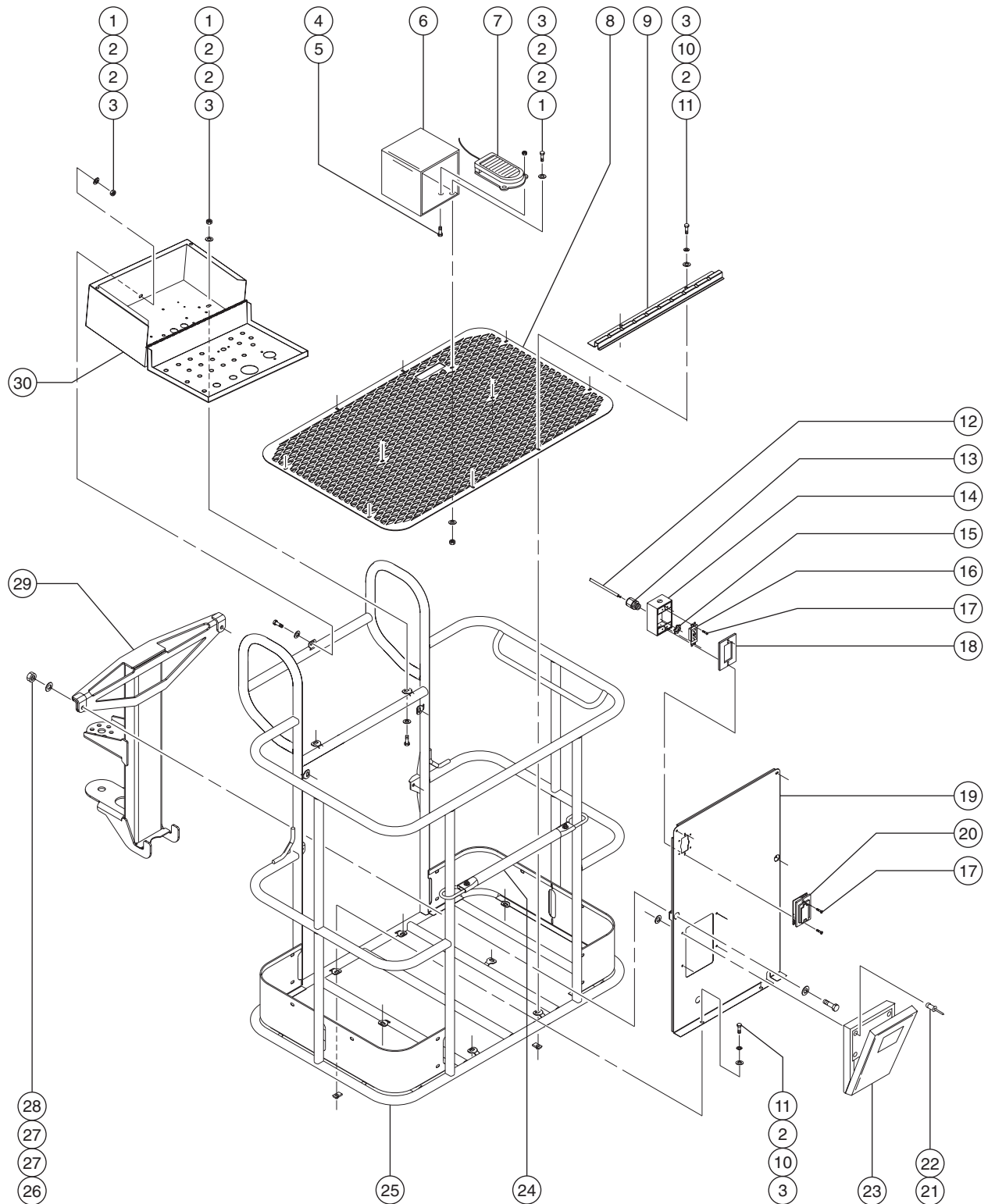
601.1

Platform (before serial number 2548, Z-34/22N and 1892, Z-34/22DC &amp; Bi-Energy) Rev A

| Item | Part No. | Description                                                              | Qty. | Item | Part No. | Description                                                                           | Qty. |
|------|----------|--------------------------------------------------------------------------|------|------|----------|---------------------------------------------------------------------------------------|------|
| 1    | Ref.     | Platform Control Box (refer to 604.1)                                    |      | 8    | 6888     | Screw - HHC, 1/4 -20 x 1 inch, GR 5                                                   |      |
| 2    | 36600    | Foot Switch Wire Assembly with Connector (Z-34/22N and Z-34/22 DC) ..... | 1    | 9    | 12906    | Fender Washer, 0.285 x 1.28 x 0.063 inch                                              |      |
| —    | 52974    | Foot Switch Wire Assembly with Receptacle (Z34/22 Bi-Energy)             |      | 10   | 6091     | Nylock Nut, 1/4 -20                                                                   |      |
| —    | 43960    | Electrical Cord, 16 Gauge, 2 Conductor @ 95 inches                       |      | 11   | 74782    | Platform Assembly Upgrade Kit, 4 foot / 1.2 m, ANSI and CSA models .....              | 1    |
| —    | 22432    | Black Housing, 15-45A                                                    |      | —    | 74381    | Platform Assembly Upgrade Kit, 4 foot / 1.2 m CE models                               |      |
| —    | 22433    | White Housing, 30A                                                       |      | —    | 74537    | Steel Entry Toeboard (CE models)                                                      |      |
| —    | 22434    | Red Housing, 15-45A                                                      |      |      |          |                                                                                       |      |
| —    | 22435    | Green Housing, 30A                                                       |      | 11   | 74792    | Platform Assembly Upgrade Kit, 5 foot / 1.52 m, ANSI and CSA models .....             | 1    |
| —    | 29350    | Contact, 15-30A (Z-34/22N and Z-34/22 DC)                                |      | —    | 74383    | Platform Assembly Upgrade Kit, 4 foot / 1.52 m CE models                              |      |
| —    | 22431    | Contact, 30A (Z-34/22 Bi-Energy)                                         |      | —    | 74537    | Steel Entry Toeboard (CE models)                                                      |      |
| —    | 45200    | Short Spacer                                                             |      |      |          |                                                                                       |      |
| —    | 45201    | Long Spacer                                                              |      | 12   | 6550     | U-Bolt, 3/8 -16 x 1.5 x 2.5 x 1.25 inches .....                                       | 6    |
| —    | 45202    | Roll Pin, 0.094 x 0.875 inch                                             |      | 13   | 6097     | Flat Washer, 3/8 inch                                                                 |      |
| —    | 45313    | Plug, with Latch, 4 Pole                                                 |      | 14   | 4828     | Nylock Nut, 3/8 -16                                                                   |      |
| 3    | 29431    | Foot Switch Connector Assembly (Z-34/22N and Z-34/22 DC) .....           | 1    | 15   | 12443    | Sliding Mid-rail Guide .....                                                          | 2    |
| —    | 52973    | Foot Switch Wire Assembly with Connector (Z-34/22 Bi-Energy)             |      | 16   | 42470    | Sliding Mid-rail Assembly (before Serial No. 703, Z-34/22N and 546, Z-34/22 DC) ..... | 1    |
| —    | 43960    | Electrical Cord, 16 Gauge, 2 Conductor @ 6 inches                        |      | —    | 12443    | Guide                                                                                 |      |
| —    | 22432    | Black Housing, 15-45A                                                    |      | —    | 20973    | Wire Loom                                                                             |      |
| —    | 22433    | White Housing, 30A                                                       |      | —    | 21121    | Cable Tie, 4 inches                                                                   |      |
| —    | 22434    | Red Housing, 15-45A                                                      |      | 16   | 56658    | Sliding Mid-rail Assembly (after Serial No. 702, Z-34/22N and, Z-34/22 DC) .....      | 1    |
| —    | 22435    | Green Housing, 30A                                                       |      | —    | 12443    | Guide                                                                                 |      |
| —    | 29350    | Contact , 15-30A (Z-34/22N and Z-34/22 DC)                               |      | —    | 20973    | Wire Loom                                                                             |      |
| —    | 22431    | Contact, 30A (Z-34/22 Bi-Energy)                                         |      | —    | 21121    | Cable Tie, 4 inches                                                                   |      |
| —    | 45200    | Short Spacer                                                             |      | 17   | 6638     | Flat Washer, 1/4 inch                                                                 |      |
| —    | 45201    | Long Spacer                                                              |      | 18   | 44743    | Manual Storage Box with Decals .....                                                  | 1    |
| —    | 45202    | Roll Pin, 0.094 x 0.875 inch                                             |      | 19   | 12037    | Steel Rivet, 0.25 x 0.5 inch                                                          |      |
| —    | 45313    | Plug, with Latch, 4 Pole                                                 |      | 20   | 56660    | Riveting Washer                                                                       |      |
| —    | 41020    | Terminal, #10 Ring                                                       |      | 21   | 36249-S  | Platform Support.....                                                                 | 1    |
| 4    | 32710    | Foot Switch Guard with Decal .....                                       | 1    |      |          |                                                                                       |      |
| 5    | 74298    | Foot Switch Assembly .....                                               | 1    |      |          |                                                                                       |      |
| —    | 13482    | Foot Switch                                                              |      |      |          |                                                                                       |      |
| —    | 20262    | Microswitch                                                              |      |      |          |                                                                                       |      |
| —    | 56051    | Electrical Cord, 16 Gauge , 2 Conductor @ 82 inches                      |      |      |          |                                                                                       |      |
| 6    | 6178     | Nylock Nut, 10-32                                                        |      |      |          |                                                                                       |      |
| 7    | 17626    | Screw-FHM, 10-32 x 0.75 inch                                             |      |      |          |                                                                                       |      |



| Figure | Rev | Description                                                                                  |
|--------|-----|----------------------------------------------------------------------------------------------|
| 602.1  | A   | Platform (from serial number 2548 to 4259, Z-34/22N and 1892 to 3576, Z-34/22DC & Bi-Energy) |



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602.1

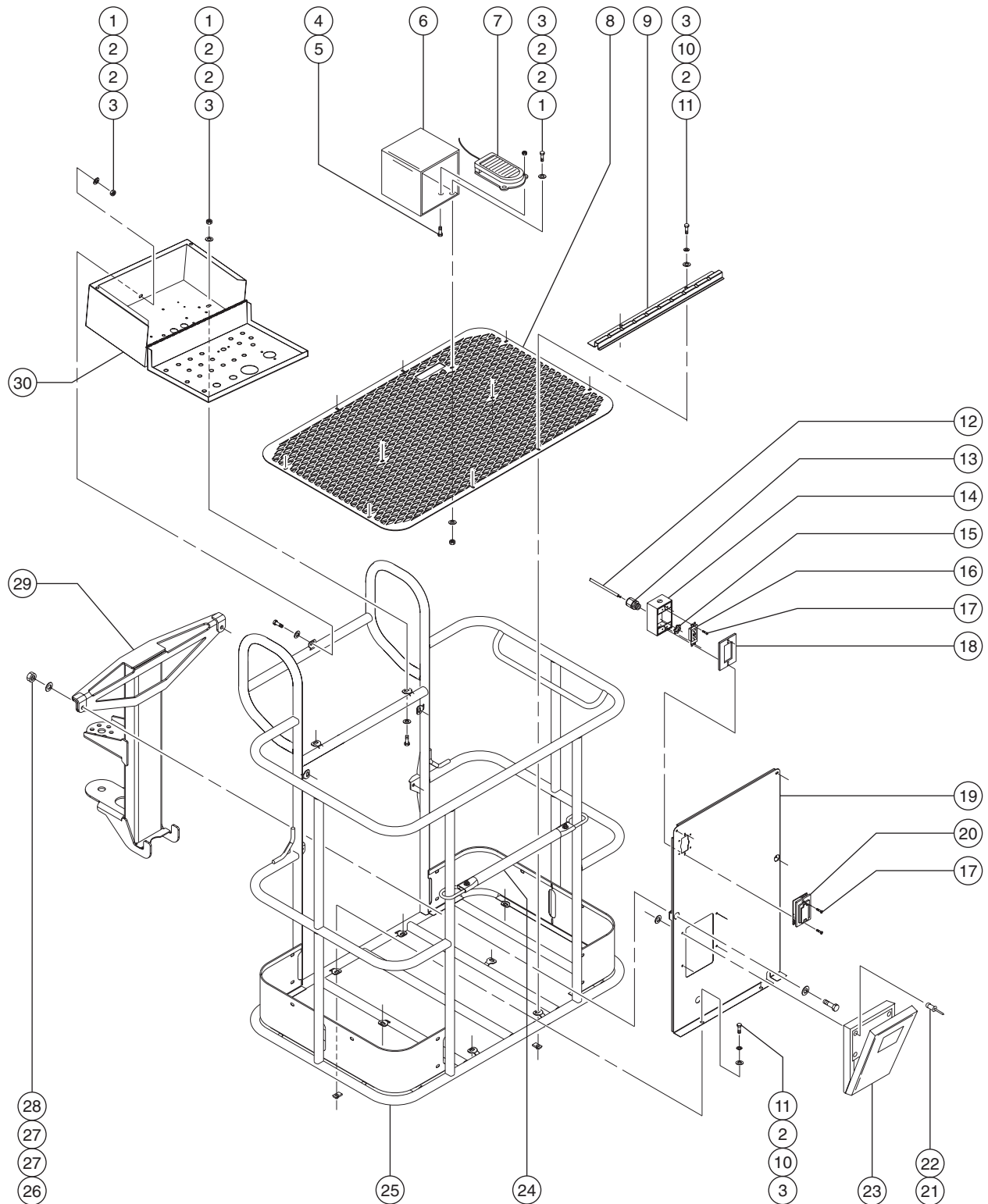
Platform (from serial number 2548 to 4259, Z-34/22N and 1892 to 3576, Z-34/22DC &amp; Bi-Energy) Rev A

| Item | Part No. | Description                                                                                                             | Qty.       | Item | Part No. | Description                                                                  | Qty. |
|------|----------|-------------------------------------------------------------------------------------------------------------------------|------------|------|----------|------------------------------------------------------------------------------|------|
| —    | 74448    | Platform Control Box Mounting Instructions (before serial number 2953, Z-34/22N and 2144, Z-34/22 DC)                   |            | 13   | 7056     | Squeeze Connector, 1/2 inch NPT .....                                        | 1    |
| —    | 74380    | Platform Assembly, 4 foot / 1.2 m with Decals, ANSI and CSA models, Complete (includes items 1-3, 8-11, 19, and 21-23)  |            | 14   | 10775    | T-Box .....                                                                  | 1    |
| —    | 74381    | Platform Assembly, 4 foot / 1.2 m with Decals, CE models, Complete (includes items 1-3, 8-11, 19, and 21-23)            |            | 15   | 6935     | Electric Locknut, 1/2 inch .....                                             | 1    |
| —    | 74382    | Platform Assembly, 5 foot / 1.52 m with Decals, ANSI and CSA models, Complete (includes items 1-3, 8-11, 19, and 21-23) |            | 16   | 13585    | GFCI Receptacle, 110V AC (includes mounting fasteners) (North America) ..... | 1    |
| —    | 74383    | Platform Assembly, 5 foot / 1.52 m with Decals, CE models, Complete (includes items 1-3, 8-11, 19, and 21-23)           |            | —    | 67506    | Receptacle, 110V AC (British)                                                |      |
| 1    | 6091     | Nylock Nut, 1/4 -20                                                                                                     |            | 17   | 49820    | Screw - PHM, 6-32 x 0.5 inch, GR 2                                           |      |
| 2    | 6638     | Flat Washer, 1/4 inch                                                                                                   |            | 18   | 74052    | GFCI Cover Gasket, Weatherproof .....                                        | 1    |
| 3    | 6090     | Screw - HHC, 1/4 -20 x 0.75 inch, GR 5                                                                                  |            | 19   | 62508    | Decal Plate with Decals, ANSI and CSA models (includes items 21-23) .....    | 1    |
| 4    | 17626    | Screw - FHM, 10-32 x 0.75 inch, GR 2                                                                                    |            | —    | 62516    | Decal Plate with Decals, CE models (includes items 21-23)                    |      |
| 5    | 6178     | Nylock Nut, 10-32                                                                                                       |            | 20   | 45437    | GFCI Weatherproof Cover (North America) .....                                | 1    |
| 6    | 32710    | Foot Switch Cover with Decal .....                                                                                      | 1          | —    | 10777    | Blank Cover with Gasket                                                      |      |
| 7    | 74298    | Foot Switch Assembly .....                                                                                              | 1          | 21   | 12037    | Steel Rivet, 0.25 x 0.5 inch                                                 |      |
| —    | 13482    | Foot Switch                                                                                                             |            | 22   | 56660    | Riveting Washer                                                              |      |
| —    | 20262    | Microswitch                                                                                                             |            | 23   | 44743    | Manual Storage Box with Decals .....                                         | 1    |
| —    | 56051    | Electrical Cord, 16 Gauge, 2 Conductor @ 82 inches                                                                      |            | 24   | 56658    | Sliding Mid-rail Assembly .....                                              | 1    |
| 8    | 56465    | Flooring, 4 foot Platform, 46 x 30 inches .....                                                                         | 1          | —    | 12443    | Guide                                                                        |      |
| —    | 56576    | Flooring, 5 foot Platform, 56 x 30 inches                                                                               |            | —    | 20973    | Wire Loom 6 inches                                                           |      |
| 9    | 56656-S  | Platform Step .....                                                                                                     | 1          | —    | 21121    | Tie Wrap                                                                     |      |
| 10   | 6356     | Lock Washer, 1/4 inch                                                                                                   |            | 25   | 62514    | Platform Assembly, 4 foot with Decals, ANSI and CSA models ....              | 1    |
| 11   | 56912    | Spring Clip Nut, 1/4 -20                                                                                                |            | —    | 62515    | Platform Assembly, 4 foot with Decals, CE models                             |      |
| 12   | 43956    | Electrical Cord, 14 Gauge, 3 Conductor .....                                                                            | 600 inches | —    | 74537    | Steel Entry Toeboard (CE Platform)                                           |      |
|      |          |                                                                                                                         |            | 25   | 62518    | Platform Assembly, 5 foot with Decals, ANSI and CSA models ....              | 1    |
|      |          |                                                                                                                         |            | —    | 74747    | Platform Assembly, 5 foot with Decals, CE models                             |      |
|      |          |                                                                                                                         |            | —    | 74537    | Steel Entry Toeboard - (CE Platform)                                         |      |

This list continues on next page.



| Figure | Rev | Description                                                                                  |
|--------|-----|----------------------------------------------------------------------------------------------|
| 602.1  | A   | Platform (from serial number 2548 to 4259, Z-34/22N and 1892 to 3576, Z-34/22DC & Bi-Energy) |

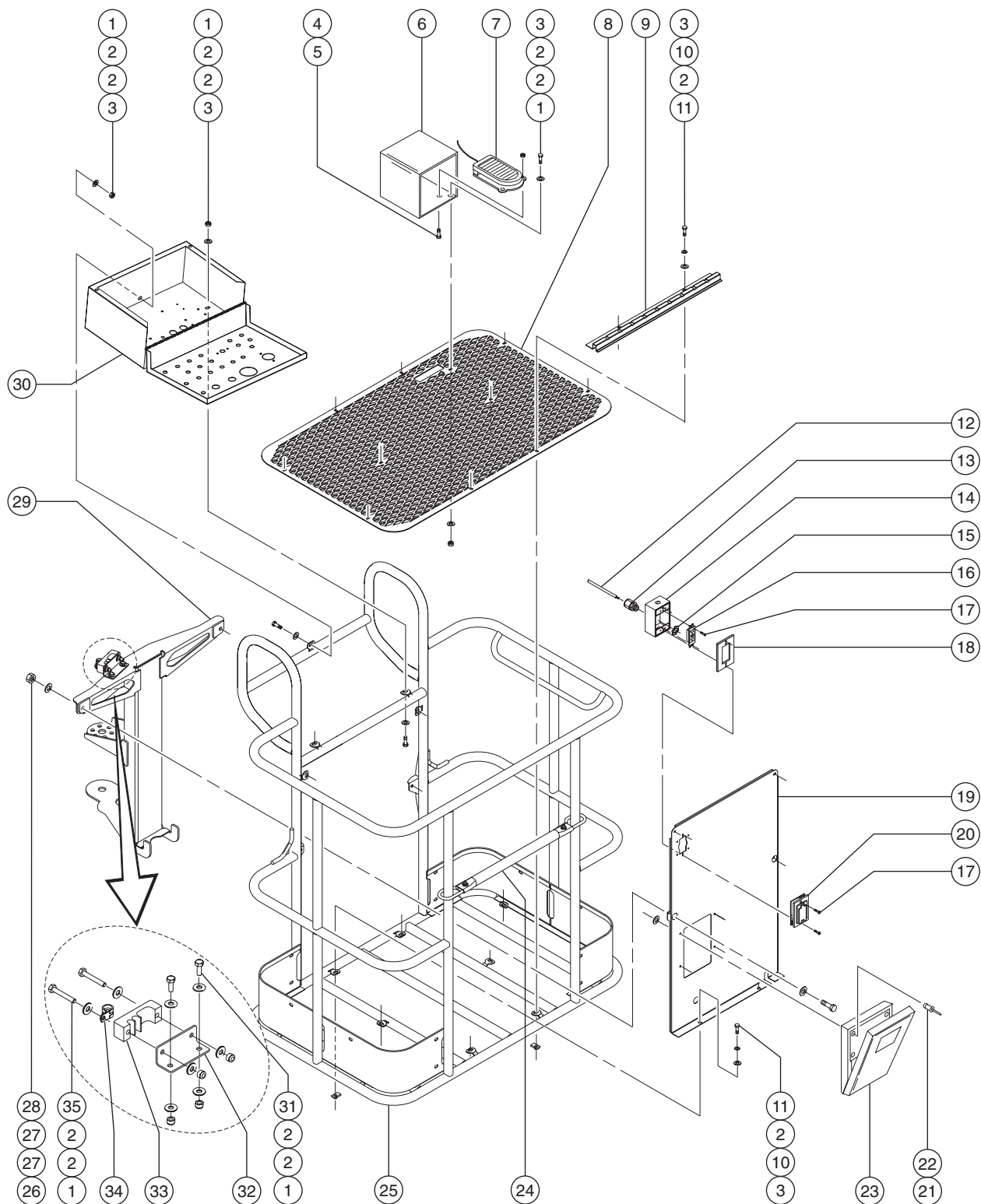


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Platform (from serial number 2548 to 4259, Z-34/22N and 1892 to 3576, Z-34/22DC & Bi-Energy) 602.1 Rev A

| Item | Part No. | Description                                         | Qty. |
|------|----------|-----------------------------------------------------|------|
| 26   | 4828     | Nylock Nut, $\frac{3}{8}$ -16                       |      |
| 27   | 5397     | Flat Washer, $\frac{5}{16}$ inch                    |      |
| 28   | 13000    | Screw - HHC, $\frac{5}{16}$ -18 x 1.25 inches, GR 5 |      |
| 29   | 56500-S  | Platform Support .....                              | 1    |
| 30   | Ref.     | Platform Control Box (refer to 605.1)               |      |

| Figure | Rev | Description                                                                   |
|--------|-----|-------------------------------------------------------------------------------|
| 603.1  | C   | Platform (after serial number 4259, Z-34/22N and 3576, Z-34/22DC & Bi-Energy) |



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Z-34/22N • Z-34/22 DC • Z-34/22 Bi-Energy

Part No. 106046

603.1

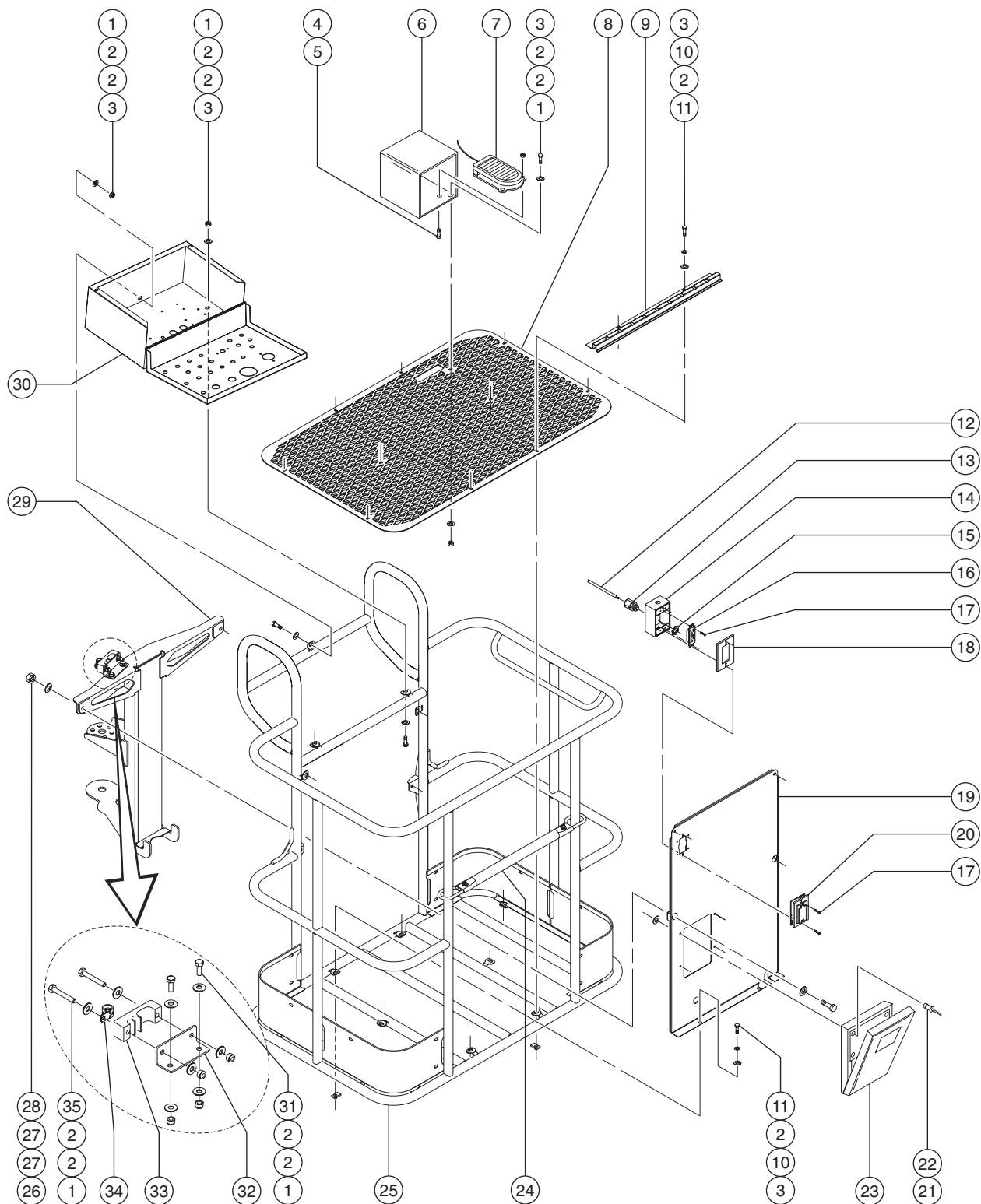
Platform (after serial number 4259, Z-34/22N and 3576, Z-34/22DC &amp; Bi-Energy) Rev C

| Item | Part No. | Description                                                                        | Qty.       | Item | Part No. | Description                                                                                 | Qty. |
|------|----------|------------------------------------------------------------------------------------|------------|------|----------|---------------------------------------------------------------------------------------------|------|
| 1    | 6091     | Nylock Nut, 1/4 -20                                                                |            | 19   | 62508    | Decal Plate with Word Decals,<br>(USA/Canada/Australia)<br>(Z-34/22N and Z-34/22 DC ) ..... | 1    |
| 2    | 6638     | Flat Washer, 1/4 inch                                                              |            | —    | 106792   | Decal Plate with Word Decals,<br>(USA/Canada/Australia)<br>(Z-34/22 Bi-Energy)              |      |
| 3    | 6888     | Screw - HHC, 1/4 -20 x 1 inch,<br>GR 5                                             |            | —    | 101980   | Decal Plate with Symbol Decals,<br>(Europe/Asia/South America)                              |      |
| 4    | 17626    | Screw - FHM, 10-32 x 0.75 inch,<br>GR 2                                            |            | 20   | 45437    | GFCI Weatherproof Cover,<br>(includes mounting fasteners)<br>(North America) .....          | 1    |
| 5    | 6178     | Nylock Nut, 10-32                                                                  |            | —    | 10777    | Blank Cover with Gasket                                                                     |      |
| 6    | 73931    | Foot Switch Cover with Decal<br>(USA/Canada/Australia) .....                       | 1          | 21   | 12037    | Steel Rivet, 0.25 x 0.5 inch                                                                |      |
| —    | 63766    | Foot Switch Cover<br>(Europe/Asia/South America)                                   |            | 22   | 56660    | Riveting Washer                                                                             |      |
| 7    | 74298    | Foot Switch Assembly .....                                                         | 1          | 23   | 44743    | Manual Storage Box with Decals,<br>(USA/Canada/Australia) .....                             | 1    |
| —    | 13482    | Foot Switch                                                                        |            | —    | 24514    | Manual Storage Box,<br>(Europe/Asia/South America)                                          |      |
| —    | 20262    | Foot Switch Microswitch                                                            |            | 24   | 56658    | Sliding Mid-rail Assembly .....                                                             | 1    |
| —    | 56051    | Electrical Cord, 16 Gauge,<br>2 Conductor @ 82 inches                              |            | —    | 12443    | Guide                                                                                       |      |
| 8    | 56465    | Flooring, 4 foot Platform,<br>46 x 30 inches .....                                 | 1          | —    | 20973    | Wire Loom 6 inches                                                                          |      |
| —    | 56576    | Flooring, 5 foot Platform,<br>56 x 30 inches                                       |            | —    | 21121    | Tie Wrap                                                                                    |      |
| 9    | 56656-S  | Platform Step .....                                                                | 1          |      |          |                                                                                             |      |
| 10   | 6356     | Lock Washer, 1/4 inch                                                              |            |      |          |                                                                                             |      |
| 11   | 56912    | Spring Clip Nut, 1/4 -20                                                           |            |      |          |                                                                                             |      |
| 12   | 43956    | Electrical Cord, 14 Gauge,<br>3 Conductor .....                                    | 600 inches |      |          |                                                                                             |      |
| 13   | 7056     | Squeeze Connector,<br>1/2 inch NPT .....                                           | 1          |      |          |                                                                                             |      |
| 14   | 10775    | T-Box .....                                                                        | 1          |      |          |                                                                                             |      |
| 15   | 6935     | Electric Locknut, 1/2 inch .....                                                   | 1          |      |          |                                                                                             |      |
| 16   | 13585    | GFCI Receptacle, 110V AC<br>(includes mounting fasteners)<br>(North America) ..... | 1          |      |          |                                                                                             |      |
| —    | 67506    | Receptacle, 110V AC (British)                                                      |            |      |          |                                                                                             |      |
| 17   | 49820    | Screw - PHM, 6-32 x 0.5 inch,<br>GR 2                                              |            |      |          |                                                                                             |      |
| 18   | 74052    | GFCI Weatherproof Cover<br>Gasket .....                                            | 1          |      |          |                                                                                             |      |

This list continues on next page.



| Figure | Rev | Description                                                                   |
|--------|-----|-------------------------------------------------------------------------------|
| 603.1  | C   | Platform (after serial number 4259, Z-34/22N and 3576, Z-34/22DC & Bi-Energy) |



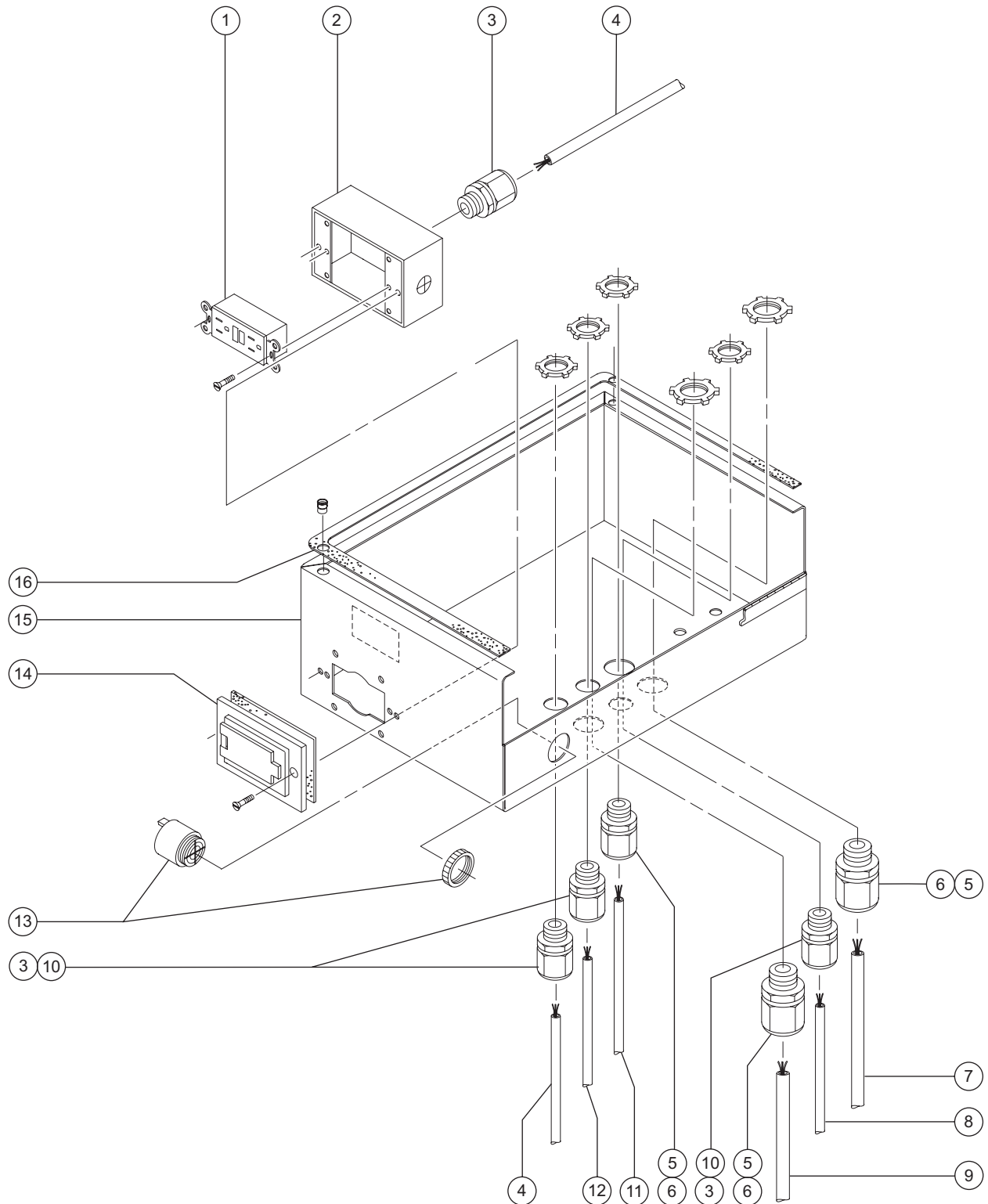
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603.1

Platform (after serial number 4259, Z-34/22N and 3576, Z-34/22DC &amp; Bi-Energy) Rev C

| Item                                   | Part No. | Description                                                             | Qty. |
|----------------------------------------|----------|-------------------------------------------------------------------------|------|
| <b>USA and Canadian Models:</b>        |          |                                                                         |      |
| 25                                     | 62514    | Platform Railing Assembly,<br>4 foot / 1.2m with Word Decals .....      | 1    |
| —                                      | 62518    | Platform Railing Assembly,<br>5 foot / 1.52m with Word Decals           |      |
| <b>Australian Models:</b>              |          |                                                                         |      |
| 25                                     | 106546   | Platform Railing Assembly,<br>4 foot / 1.2m with Word Decals .....      | 1    |
| —                                      | 106549   | Platform Railing Assembly,<br>5 foot / 1.52m with Word Decals           |      |
| <b>European Models:</b>                |          |                                                                         |      |
| 25                                     | 106547   | Platform Railing Assembly,<br>4 foot / 1.2m with Symbol<br>Decals ..... | 1    |
| —                                      | 106550   | Platform Railing Assembly,<br>5 foot / 1.52m with Symbol<br>Decals      |      |
| —                                      | 74537    | Entry Toeboard                                                          |      |
| <b>Asia and South American Models:</b> |          |                                                                         |      |
| 25                                     | 106548   | Platform Railing Assembly,<br>4 foot / 1.2m with Symbol<br>Decals ..... | 1    |
| —                                      | 106551   | Platform Railing Assembly,<br>5 foot / 1.52m with Symbol<br>Decals      |      |
| —                                      | 74537    | Entry Toeboard                                                          |      |
| 26                                     | 4828     | Nylock Nut, $\frac{3}{8}$ -16                                           |      |
| 27                                     | 5397     | Flat Washer, $\frac{5}{16}$ inch                                        |      |
| 28                                     | 13000    | Screw - HHC, $\frac{5}{16}$ -18 x 1.25<br>inches, GR 5                  |      |
| 29                                     | 56500-S  | Platform Support .....                                                  | 1    |
| 30                                     | Ref.     | Platform Control Box with Lid<br>and Decal (refer to 605.1)             |      |
| 31                                     | 6090     | Screw - HHC, $\frac{1}{4}$ -20 x 0.75 inch,<br>GR 5                     |      |
| 32                                     | 77993    | Mounting Bracket, Cable Clamp ...                                       | 1    |
| 33                                     | 77994    | Cable Clamp .....                                                       | 1    |
| 34                                     | 6833     | Rubber Cushioned Clamp,<br>0.5 x 0.25 inch .....                        | 1    |
| 35                                     | 6637     | Screw - HHC, $\frac{1}{4}$ -20 x 1.75<br>inches, GR 5                   |      |

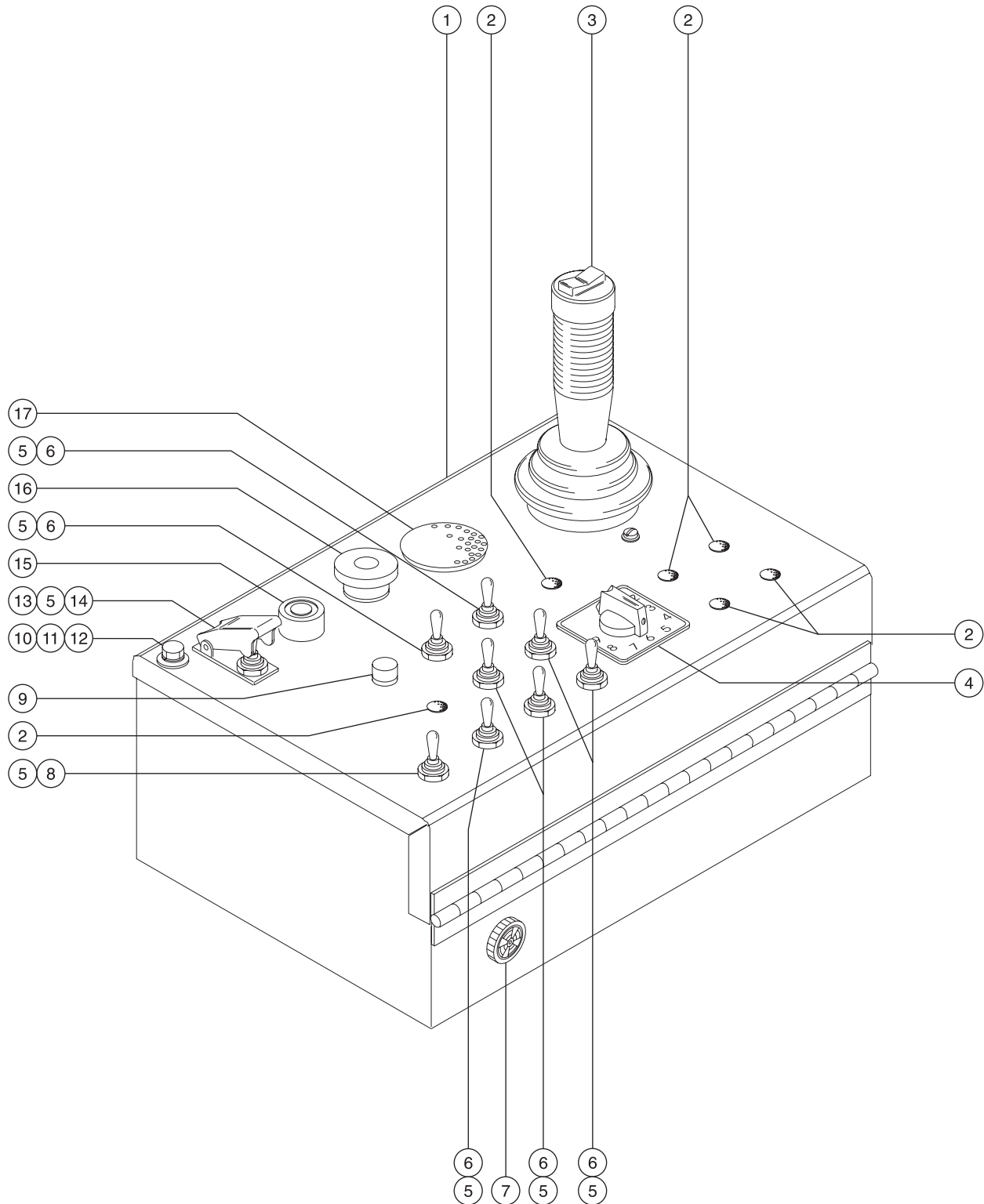
| Figure | Rev | Description                                                                                        |
|--------|-----|----------------------------------------------------------------------------------------------------|
| 604.1  | B   | Platform Control Box - View 1(before serial number 2751, Z-34/22N and 2000, Z-34/22DC & Bi-Energy) |



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| Item | Part No. | Description                                                                          | Qty.       |
|------|----------|--------------------------------------------------------------------------------------|------------|
| 1    | 13585    | Receptacle - GFCI, 110V AC<br>(North America) .....                                  | 1          |
| —    | 35003    | Receptacle, 110V AC (British)                                                        |            |
| 2    | 10775    | T-Box .....                                                                          | 1          |
| 3    | 7056     | Squeeze Connector, 1/2 inch<br>NPT .....                                             | 4          |
| 4    | 43956    | Electrical Cord, 14 Gauge,<br>3 Conductor .....                                      | 606 inches |
| 5    | 12960    | Squeeze Connector, 3/4 inch<br>NPT .....                                             | 3          |
| 6    | 14041    | Locknut - Electric, 3/4 inch .....                                                   | 3          |
| 7    | 35934    | Electrical Cord, 18 Gauge,<br>19 Conductor .....                                     | 618 inches |
| 8    | 43955    | Electrical Cord, 12 Gauge,<br>3 Conductor SJO .....                                  | 624 inches |
| 9    | 35934    | Electrical Cord, 18 Gauge,<br>19 Conductor .....                                     | 618 inches |
| 10   | 6935     | Locknut - Electric, 1/2 inch .....                                                   | 3          |
| 11   | 43961    | Electrical Cord, 16 Gauge,<br>6 Conductor .....                                      | 128 inches |
| 12   | 52973    | Foot Switch Wire Assembly with<br>Connector .....                                    | 1          |
| —    | 45313    | Plug with Latch,<br>4 Pole Snap-in                                                   |            |
| —    | 22431    | Contact, 30A                                                                         |            |
| —    | 22432    | Housing - Black, 15/45A                                                              |            |
| —    | 22433    | Housing - White, 30A                                                                 |            |
| —    | 22434    | Housing - Red, 15/45A                                                                |            |
| —    | 22435    | Housing - Green, 30A                                                                 |            |
| —    | 45202    | Roll Pin, 0.094 x 0.875 inch                                                         |            |
| —    | 43960    | Electrical Cord, 16 Gauge,<br>4 Conductor, SJO @ 82 inches                           |            |
| 13   | 45383    | Alarm - Warble Tone,<br>5-30V AC/DC .....                                            | 1          |
| 14   | 45437    | Cover - GFCI, Weatherproof<br>(includes mounting fasteners)<br>(North America) ..... | 1          |
| 15   | 52683-S  | Platform Control Box with Lid,<br>Gasket and Decal (includes<br>item 16) .....       | 1          |
| 16   | 36235    | Platform Control Box Gasket .....                                                    | 1          |

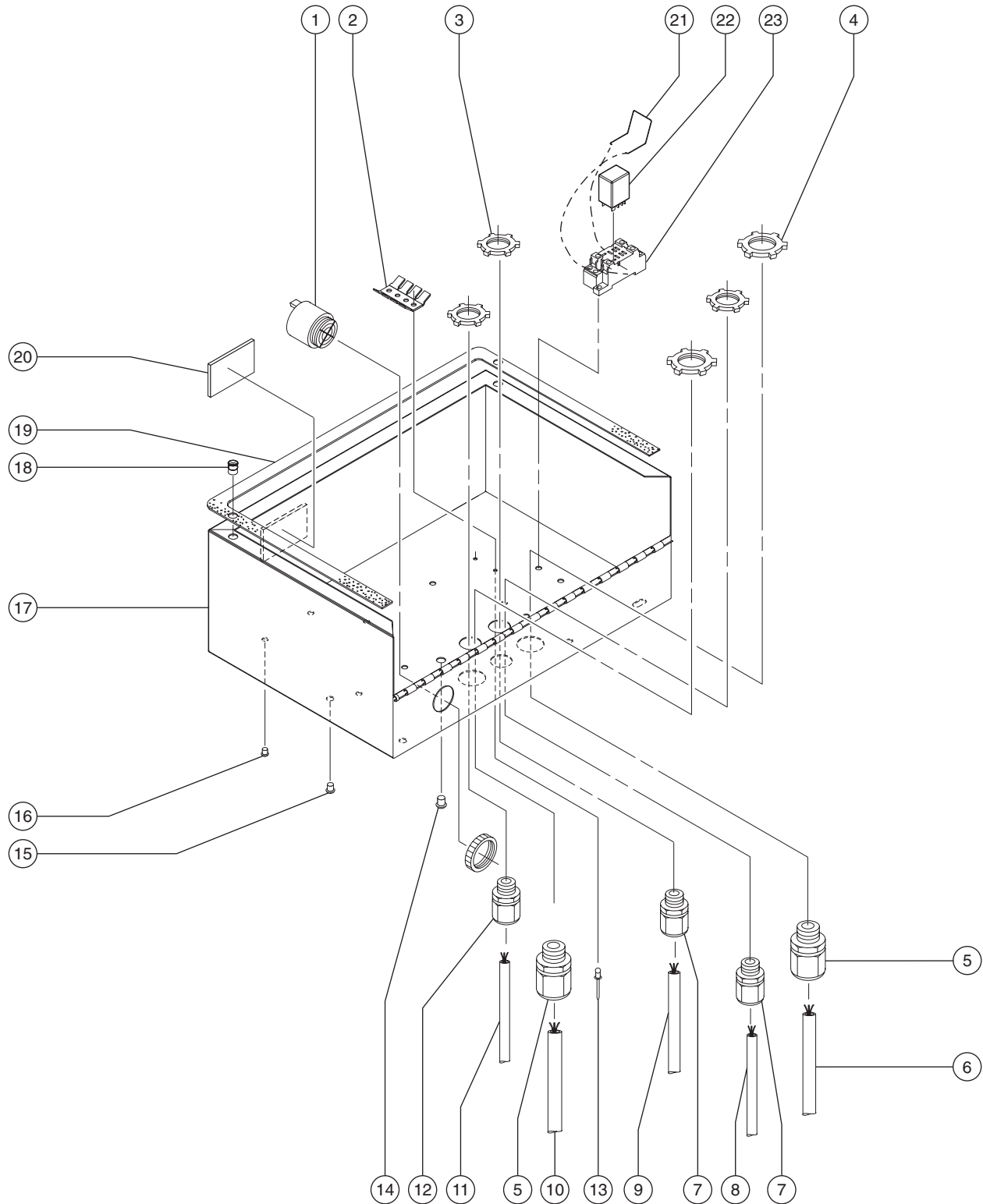
| Figure | Rev | Description                                                                          |
|--------|-----|--------------------------------------------------------------------------------------|
| 605.1  | B   | Platform Controls - View 2 (before serial number 2751, Z-34/22N and 2000, Z-34/22DC) |



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| Item | Part No. | Description                                                            | Qty. |
|------|----------|------------------------------------------------------------------------|------|
| 1    | 46993    | Platform Control Box with Lid and Decal (Z-34/22N and Z-34/22DC) ..... | 1    |
| —    | 52683-S  | Platform Control Box with Lid and Decal (Z-34/22 Bi-Energy)            |      |
| 2    | 45384    | Black Plastic Plug, 0.5 inch .....                                     | 9    |
| 3    | 56773    | Drive/Steer Controller Joystick .....                                  | 1    |
| 4    | 56886    | Boom Function Speed Rotational Controller .....                        | 1    |
| 5    | 27246    | Rubber Boot .....                                                      | 9    |
| 6    | 16397    | Toggle Switch - DPDT, 3 Position, Momentary .....                      | 7    |
| 7    | 45383    | Warble Tone Alarm, 5-30V DC .....                                      | 1    |
| 8    | 13037    | Toggle Switch - SPDT, 3 Position, Momentary .....                      | 1    |
| 9    | 36373    | Red LED Indicator Light, 24V DC .....                                  | 1    |
| 10   | 6090     | Screw - HHC, 1/4 -20 x 0.75 inch, GR 5                                 |      |
| 11   | 6356     | Lock Washer, 1/4 inch                                                  |      |
| 12   | 6638     | Flat Washer, 1/4 inch                                                  |      |
| 13   | 13471    | Toggle Switch Red Cover .....                                          | 1    |
| 14   | 13480    | Toggle Switch - DPDT, 2 Position, Momentary .....                      | 1    |
| 15   | 36061    | Black Push Button with Base .....                                      | 1    |
| —    | 32617    | Base                                                                   |      |
| —    | 45081    | Contact - N.O.                                                         |      |
| 16   | 32614    | Red Mushroom Head Push Button .....                                    | 1    |
| —    | 32615    | Push Button Base                                                       |      |
| —    | 29732    | Contact - N.C                                                          |      |
| 17   | 45840    | Black Plastic Plug, 2 inches .....                                     | 1    |

| Figure | Rev | Description                                                                            |
|--------|-----|----------------------------------------------------------------------------------------|
| 606.1  | B   | Platform Control Box - View 1 (after serial number 2750, Z-34/22N and 1999, Z-34/22DC) |



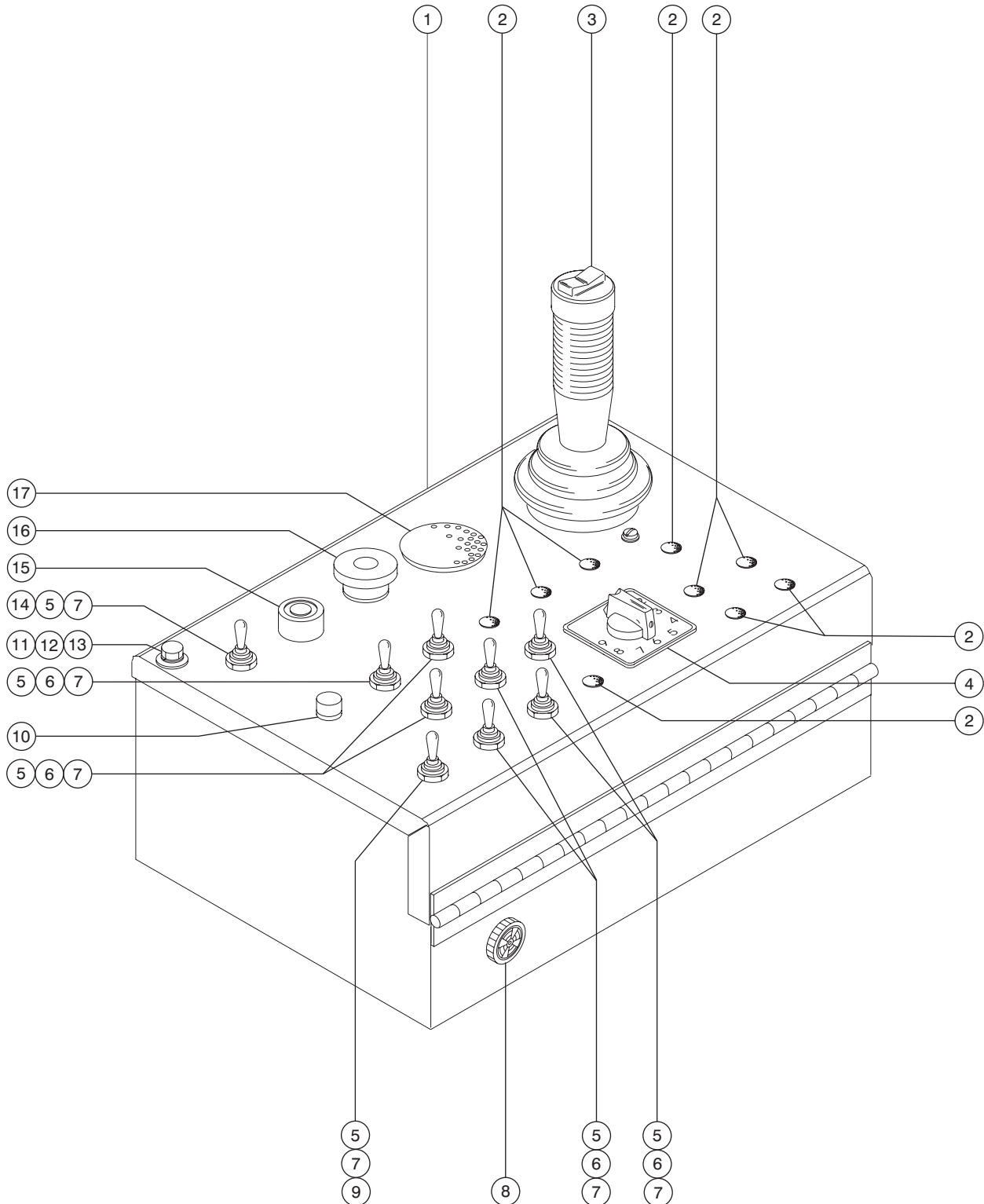
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606.1

Platform Control Box - View 1 (after serial number 2750, Z-34/22N and 1999, Z-34/22DC) Rev B

| Item | Part No. | Description                                                                                                                                      | Qty. | Item | Part No. | Description                         | Qty. |
|------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|------|----------|-------------------------------------|------|
| 1    | 45383    | Warble Tone Alarm,<br>5-30V DC .....                                                                                                             | 1    | 21   | 42617    | Spring Clip, Potter Brumfield ..... | 1    |
| —    | 72326    | Plastic Ring Nut                                                                                                                                 |      | 22   | 42616    | Relay, Potter Brumfield 24V .....   | 1    |
| 2    | 56663    | Ground Terminal Strip .....                                                                                                                      | 1    | 23   | 33608    | Socket - Relay, Omron .....         | 1    |
| 3    | 6935     | Electric Locknut, 1/2 inch .....                                                                                                                 | 3    |      |          |                                     |      |
| 4    | 14041    | Electric Locknut, 3/4 inch .....                                                                                                                 | 2    |      |          |                                     |      |
| 5    | 12960    | Squeeze Connector,<br>3/4 inch NPT .....                                                                                                         | 2    |      |          |                                     |      |
| 6    | 35934    | Electrical Cord, 18 Gauge,<br>3 Conductor TPE JKT .... 600 inches                                                                                |      |      |          |                                     |      |
| 7    | 7057     | Squeeze Connector,<br>1/2 inch NPT .....                                                                                                         | 2    |      |          |                                     |      |
| 8    | 43955    | Electrical Cord, 12 Gauge,<br>3 Conductor TPE JKT .... 600 inches                                                                                |      |      |          |                                     |      |
| 9    | 35934    | Electrical Cord, 18 Gauge,<br>3 Conductor TPE JKT .... 600 inches                                                                                |      |      |          |                                     |      |
| 10   | 42587    | Electrical Cord, 18 Gauge, 7<br>Conductor TPR JKT ..... 133 inches                                                                               |      |      |          |                                     |      |
| 11   | 1505     | Electrical Cord, 16 Gauge, 2<br>Conductor SJO ..... 82 inches                                                                                    |      |      |          |                                     |      |
| 12   | 7056     | Squeeze Connector,<br>1/2 inch NPT .....                                                                                                         | 1    |      |          |                                     |      |
| 13   | 6272     | Steel Rivet, 0.125 x 0.25 inch .....                                                                                                             | 4    |      |          |                                     |      |
| 14   | 21858    | Black Plastic Plug, 0.38 inch .....                                                                                                              | 1    |      |          |                                     |      |
| 15   | 30996    | Black Plastic Plug, 0.313 inch .....                                                                                                             | 1    |      |          |                                     |      |
| 16   | 42781    | Black Plastic Plug, 0.25 inch .....                                                                                                              | 1    |      |          |                                     |      |
| 17   | 62517    | Platform Control Box with Lid<br>and Decal (includes items 18,<br>19 and 20) (before serial<br>number 2954, Z-34/22N and<br>2145, Z-34/22) ..... | 1    |      |          |                                     |      |
| 17   | 74353    | Platform Control Box with Lid<br>and Decal (includes items 18,<br>19 and 20 (after serial number<br>2953, Z-34/22N and 2144,<br>Z-34/22)         |      |      |          |                                     |      |
| 18   | 23404    | Nutsert, 1/4 -20                                                                                                                                 |      |      |          |                                     |      |
| 19   | 36235    | Platform Control Box Gasket .....                                                                                                                | 1    |      |          |                                     |      |
| 20   | 30997    | Rust Inhibitor .....                                                                                                                             | 1    |      |          |                                     |      |

| Figure | Rev | Description                                                                        |
|--------|-----|------------------------------------------------------------------------------------|
| 607.1  | B   | Platform Controls, View 2 (after serial number 2750, Z-34/22N and 1999, Z-34/22DC) |

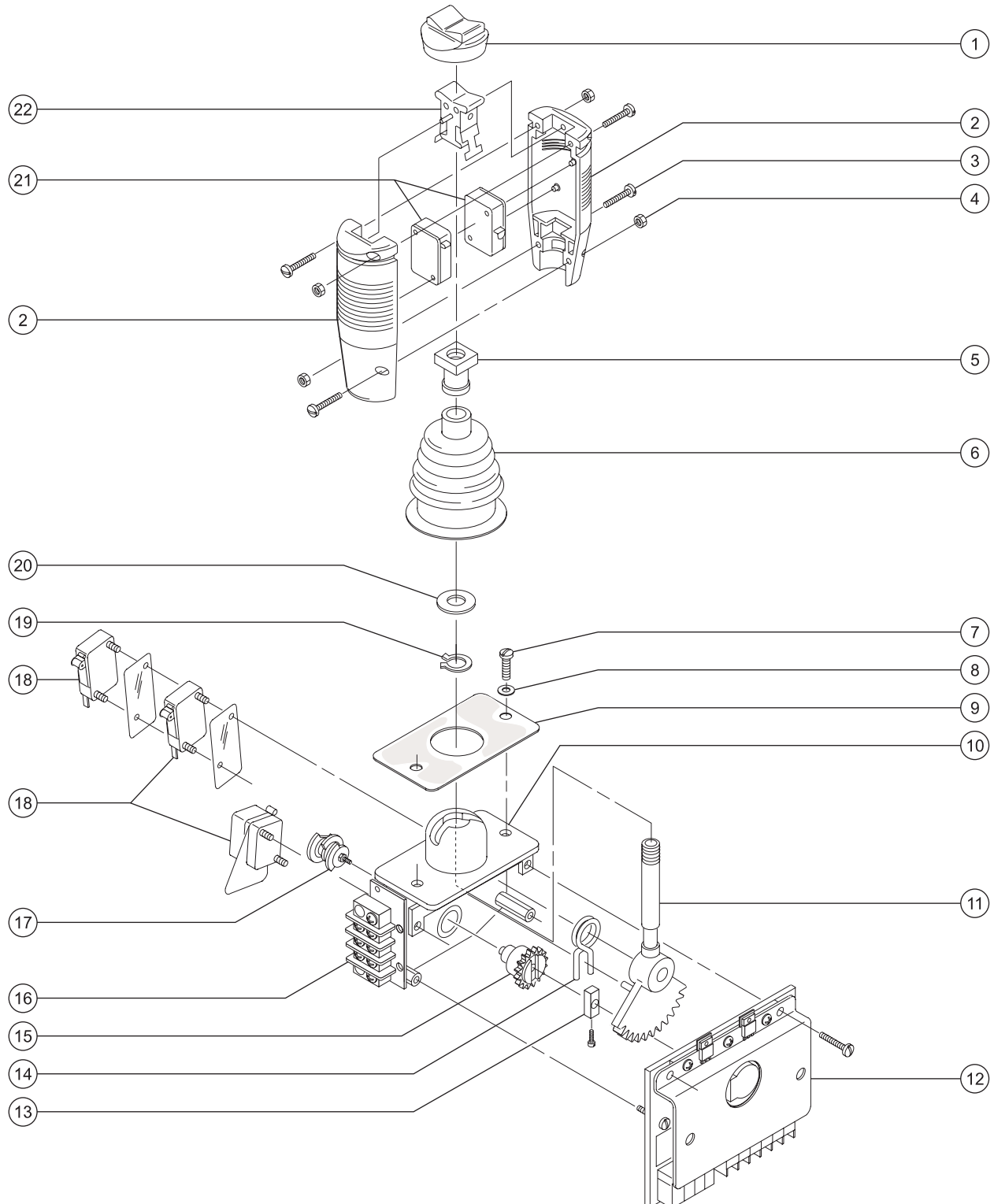


607.1

Platform Controls, View 2 (after serial number 2750, Z-34/22N and 1999, Z-34/22DC) Rev B

| Item | Part No. | Description                                          | Qty. |
|------|----------|------------------------------------------------------|------|
| 1    | 46993    | Platform Control Box with Lid<br>and Decal .....     | 1    |
| 2    | 42384    | Black Plastic Plug, 1/2 inch .....                   | 9    |
| 3    | 56773    | Drive/Steer Controller Joystick .....                | 1    |
| 4    | 56886    | Boom Function Speed Rotation<br>Controller .....     | 1    |
| 5    | 27246    | Toggle Switch Rubber Boot .....                      | 9    |
| 6    | 16397    | Toggle Switch - DPDT,<br>3 Position, Momentary ..... | 7    |
| 7    | 54692    | Nylon Spacer,<br>0.718 x 0.526 x 0.219 inch .....    | 9    |
| 8    | 45383    | Warble Tone Alarm,<br>5-30V DC .....                 | 1    |
| —    | 72326    | Plastic Ring Nut                                     |      |
| 9    | 13037    | Toggle Switch - SPDT,<br>3 Position, Momentary ..... | 1    |
| 10   | 56305    | Red Indicator Light, 24V DC .....                    | 1    |
| 11   | 6090     | Screw - HHC, 1/4 -20 x 0.75<br>inch, GR 5            |      |
| 12   | 6356     | Lock Washer, 1/4 inch                                |      |
| 13   | 6638     | Flat Washer, 1/4 inch                                |      |
| 14   | 42730    | Toggle Switch - SPDT,<br>2 Position, Momentary ..... | 1    |

| Figure | Rev | Description                                                                                                       |
|--------|-----|-------------------------------------------------------------------------------------------------------------------|
| 608.1  | B   | Joystick Controller - Drive/Steer Functions (before serial number 2227, Z-34-22N and 1734, Z-34/22DC & Bi-Energy) |

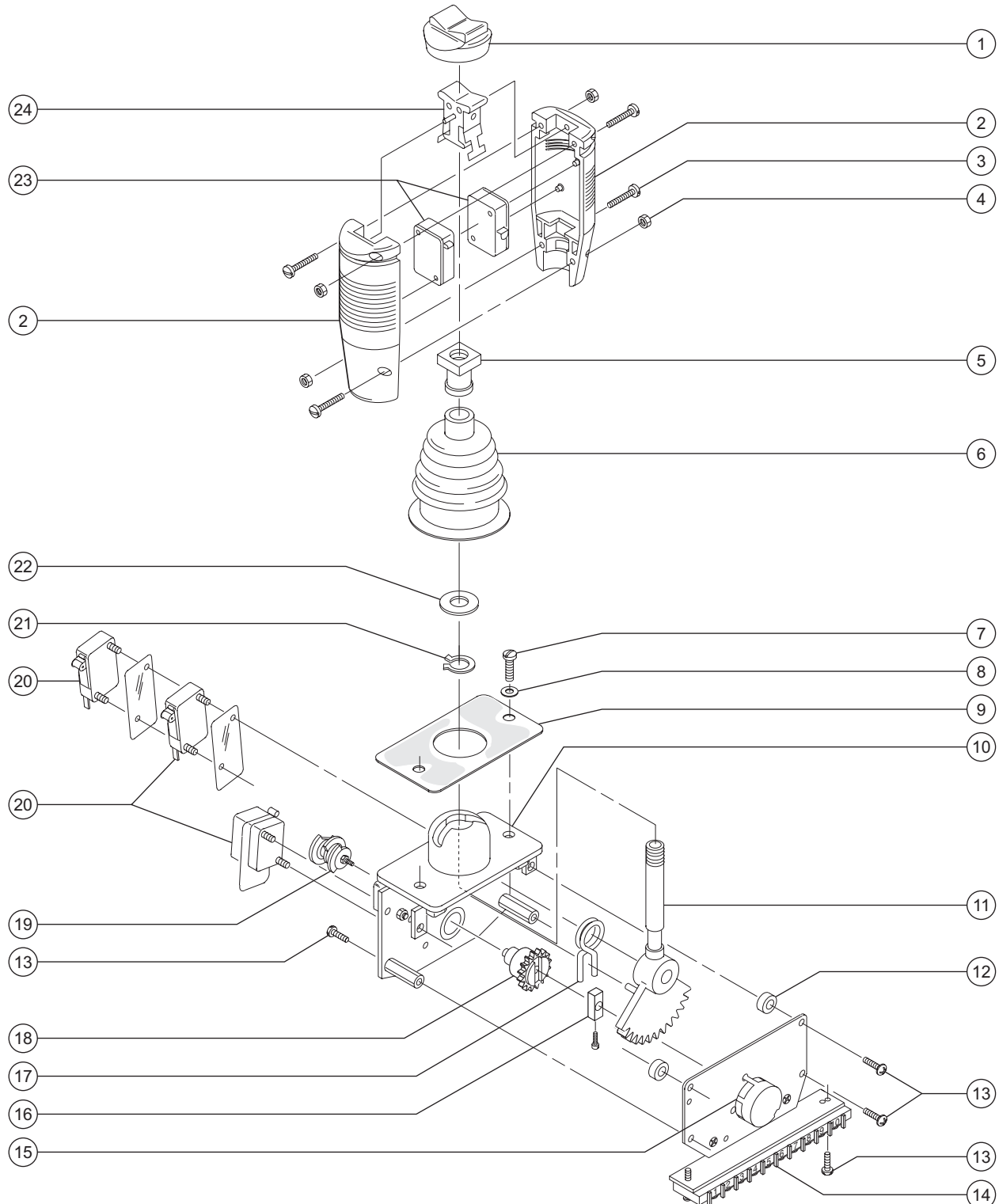


608.1

Joystick Controller - Drive/Steer Functions (before serial number 2227, Z-34-22N  
and 1734, Z-34/22DC & Bi-Energy) Rev B

| Item | Part No. | Description                             | Qty. |
|------|----------|-----------------------------------------|------|
| —    | 42032    | Joystick Controller, Complete           |      |
| 1    | 43038    | Thumb Rocker Boot.....                  | 1    |
| 2    | 52887    | Half Handle .....                       | 2    |
| 3    | 52895    | Screw - PHM, M3 x 0.5 x 12 mm,<br>GR 2  |      |
| 4    | 52928    | Hex Nut, M3 x 0.5 mm                    |      |
| 5    | 43040    | Shaft Nut                               |      |
| 6    | 21427    | Rubber Boot .....                       | 1    |
| 7    | 49816    | Screw - PHM, 10-32 x 0.75 inch,<br>GR 2 |      |
| 8    | 74362    | Nylon Washer                            |      |
| 9    | 43042    | Gasket .....                            | 1    |
| 10   | 58987    | Casting .....                           | 1    |
| 11   | 46227    | Shaft Assembly (includes gear) ....     | 1    |
| 12   | 43045    | PC Board Assembly .....                 | 1    |
| 13   | 65529    | Potentiometer Coupling .....            | 1    |
| 14   | 65528    | Return Spring .....                     | 1    |
| 15   | 19731    | Slave Gear .....                        | 1    |
| 16   | 74363    | Buss Terminal .....                     | 1    |
| 17   | 74364    | Cam Assembly .....                      | 1    |
| 18   | 19712    | Microswitch, V-11G5-1C25-K .....        | 1    |
| 19   | 74365    | C-Clip .....                            | 1    |
| 20   | 74366    | Flat Washer                             |      |
| 21   | 19722    | Microswitch, V319M .....                | 1    |
| 22   | 58986    | Rocker Assembly .....                   | 1    |
| —    | 52929    | Roll Pin                                |      |

| Figure | Rev | Description                                                                                                      |
|--------|-----|------------------------------------------------------------------------------------------------------------------|
| 609.1  | A   | Joystick Controller - Drive/Steer Functions (after serial number 2266, Z-34/22N and 1733, Z-34/22DC & Bi-Energy) |



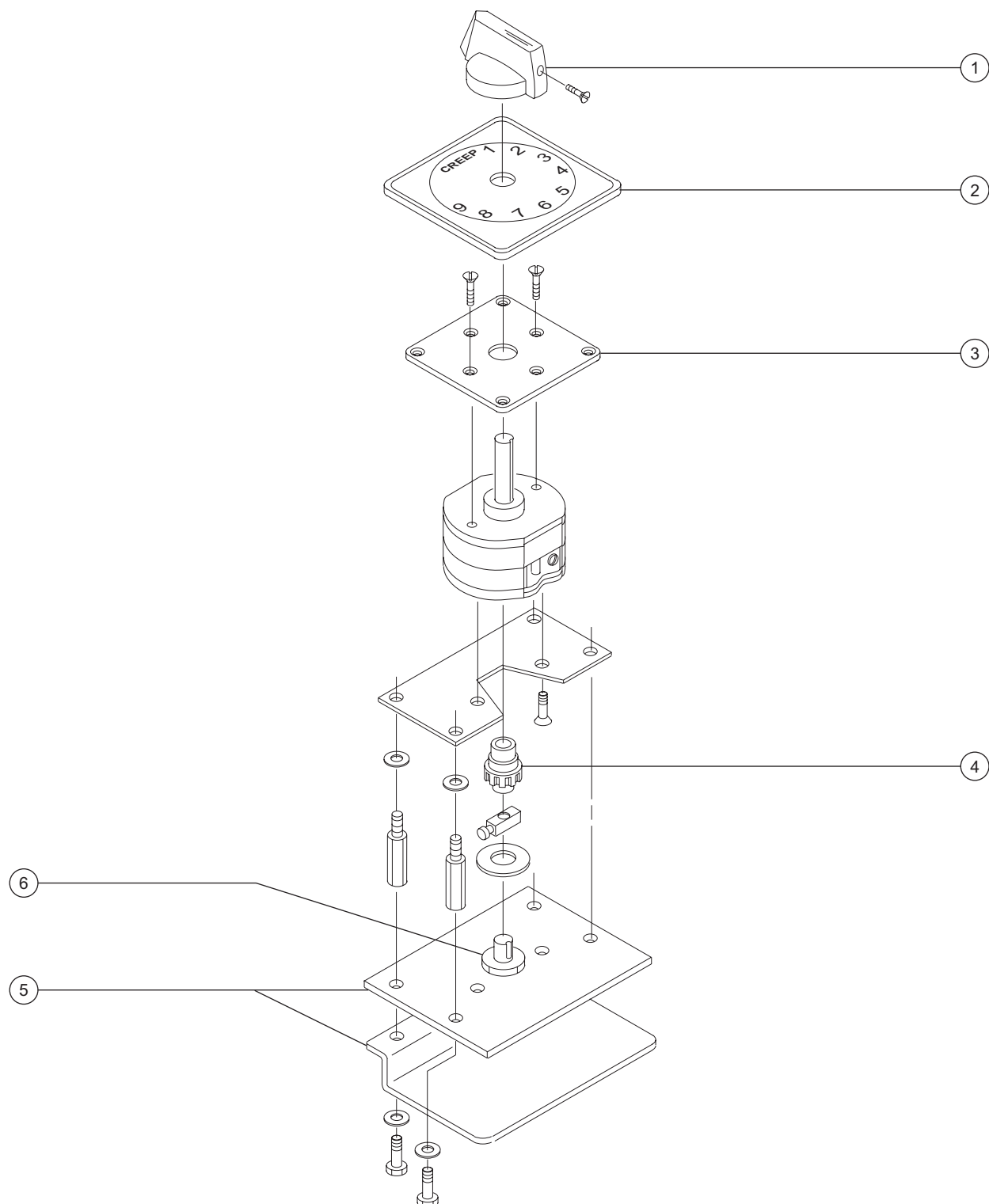
609.1

Joystick Controller - Drive/Steer Functions (after serial number 2266,  
Z-34/22N and 1733, Z-34/22DC & Bi-Energy)

Rev A

| Item | Part No. | Description                              | Qty. |
|------|----------|------------------------------------------|------|
| —    | 56773    | Joystick Controller                      |      |
| 1    | 43038    | Joystick Thumb Rocker Boot .....         | 1    |
| 2    | 43039    | Joystick Half Handle .....               | 2    |
| 3    | 52895    | Screw - PHM, M3 x 0.5 x 12 mm,<br>GR 4.8 |      |
| 4    | 52928    | Hex Nut, M10 x 0.5 mm                    |      |
| 5    | 43040    | Joystick Shaft Nut .....                 | 1    |
| 6    | 21427    | Joystick Shaft Boot .....                | 1    |
| 7    | 49816    | Screw - PHM, 10-32 x 0.75 inch,<br>GR 2  |      |
| 8    | 74362    | Joystick Nylon Washer .....              | 1    |
| 9    | 43042    | Joystick Gasket .....                    | 1    |
| 10   | 58987    | Joystick Casting .....                   | 1    |
| 11   | 58988    | Shaft Assembly .....                     | 1    |
| 12   | 74368    | Potentiometer Plate Spacer .....         | 2    |
| 13   | 65546    | Screw - PHM, M3.5 x 12 mm                |      |
| 14   | 74367    | Joystick 10 Pole Terminal Buss ....      | 1    |
| 15   | 65529    | Potentiometer Coupling .....             | 1    |
| 16   | 72298    | Joystick Potentiometer .....             | 1    |
| 17   | 65528    | Return Spring .....                      | 1    |
| 18   | 19731    | Slave Gear .....                         | 1    |
| 19   | 74364    | Joystick Cam Assembly .....              | 1    |
| 20   | 19712    | Microswitch .....                        | 3    |
| 21   | 74365    | Joystick Shaft C-Clip .....              | 1    |
| 22   | 74366    | Joystick Shaft Flat Washer .....         | 1    |
| 23   | 19722    | Microswitch - Thumb Rocker .....         | 1    |
| 24   | 58986    | Rocker Assembly .....                    | 1    |
| —    | 52929    | Rocker Assembly Roll Pin                 |      |

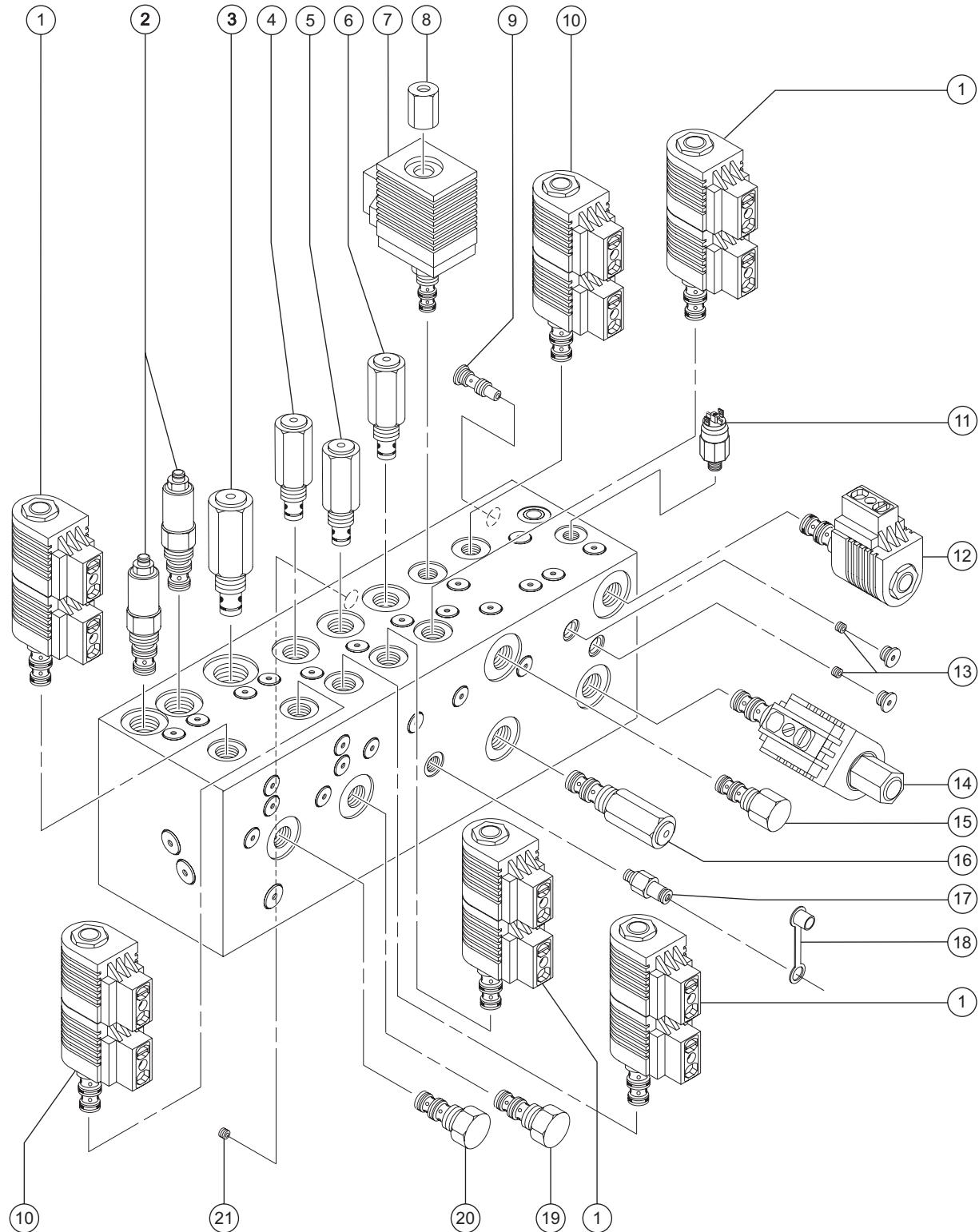
| Figure | Rev | Description                                 |
|--------|-----|---------------------------------------------|
| 610.1  | A   | Rotational Controller - Boom function Speed |



Rotational Controller - Boom Function Speed 610.1  
Rev A

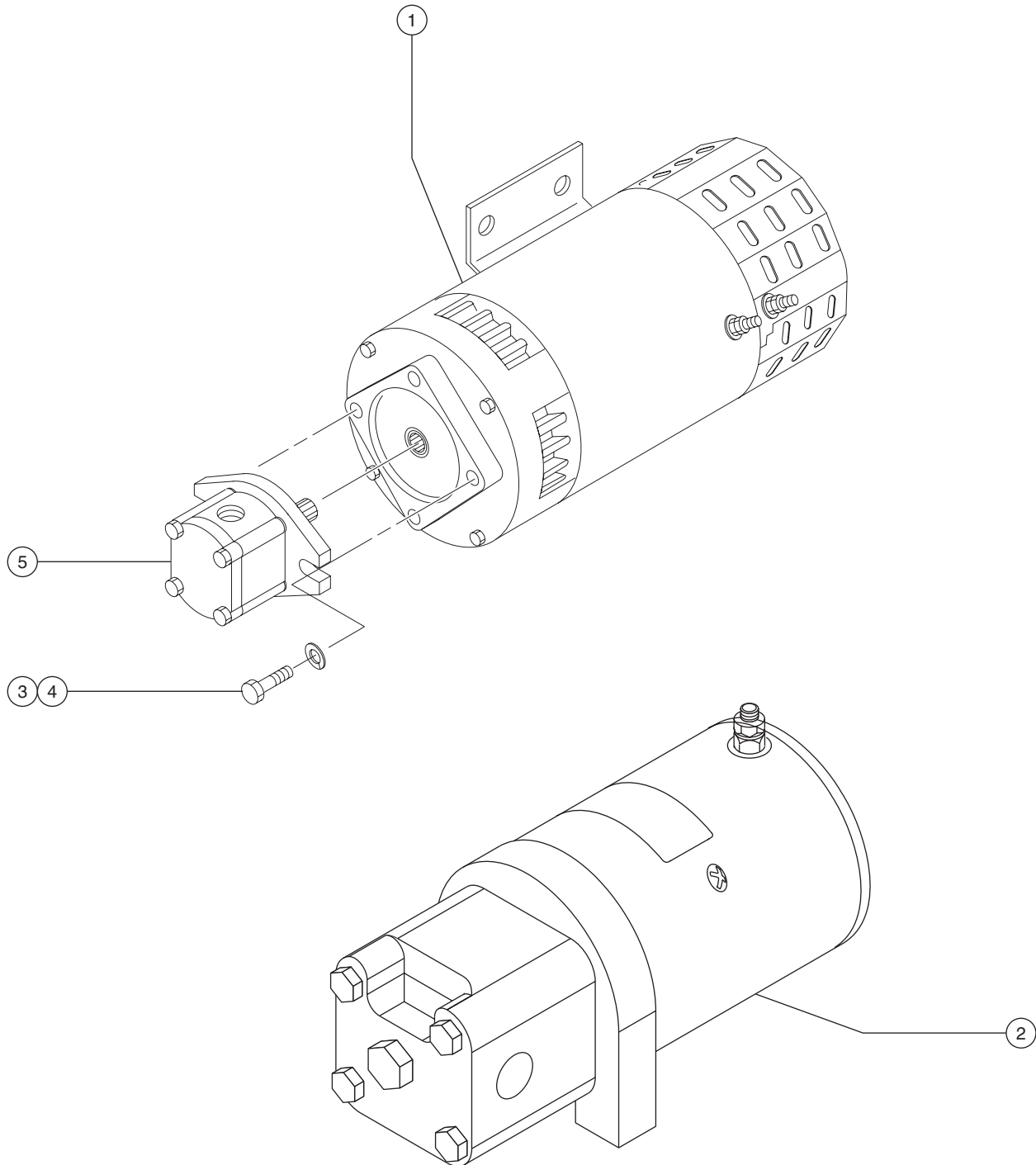
| Item | Part No. | Description                                    | Qty. |
|------|----------|------------------------------------------------|------|
| —    | 56886    | Complete Rotational Controller                 |      |
| 1    | 35679    | Control Knob .....                             | 1    |
| 2    | 35680    | Legend Plate .....                             | 1    |
| 3    | 35678    | Legend Mount Plate .....                       | 1    |
| 4    | 74356    | Rotational Controller Switch<br>Assembly ..... | 1    |
| 5    | 74357    | Rotational Controller Plate .....              | 1    |
| 6    | 74358    | Potentiometer Shaft Coupling .....             | 1    |
| 7    | 74359    | Gasket .....                                   | 1    |
| 8    | 74384    | Printed Circuit Board Assembly ....            | 1    |

| Figure | Rev | Description       |
|--------|-----|-------------------|
| 701.1  | A   | Function Manifold |



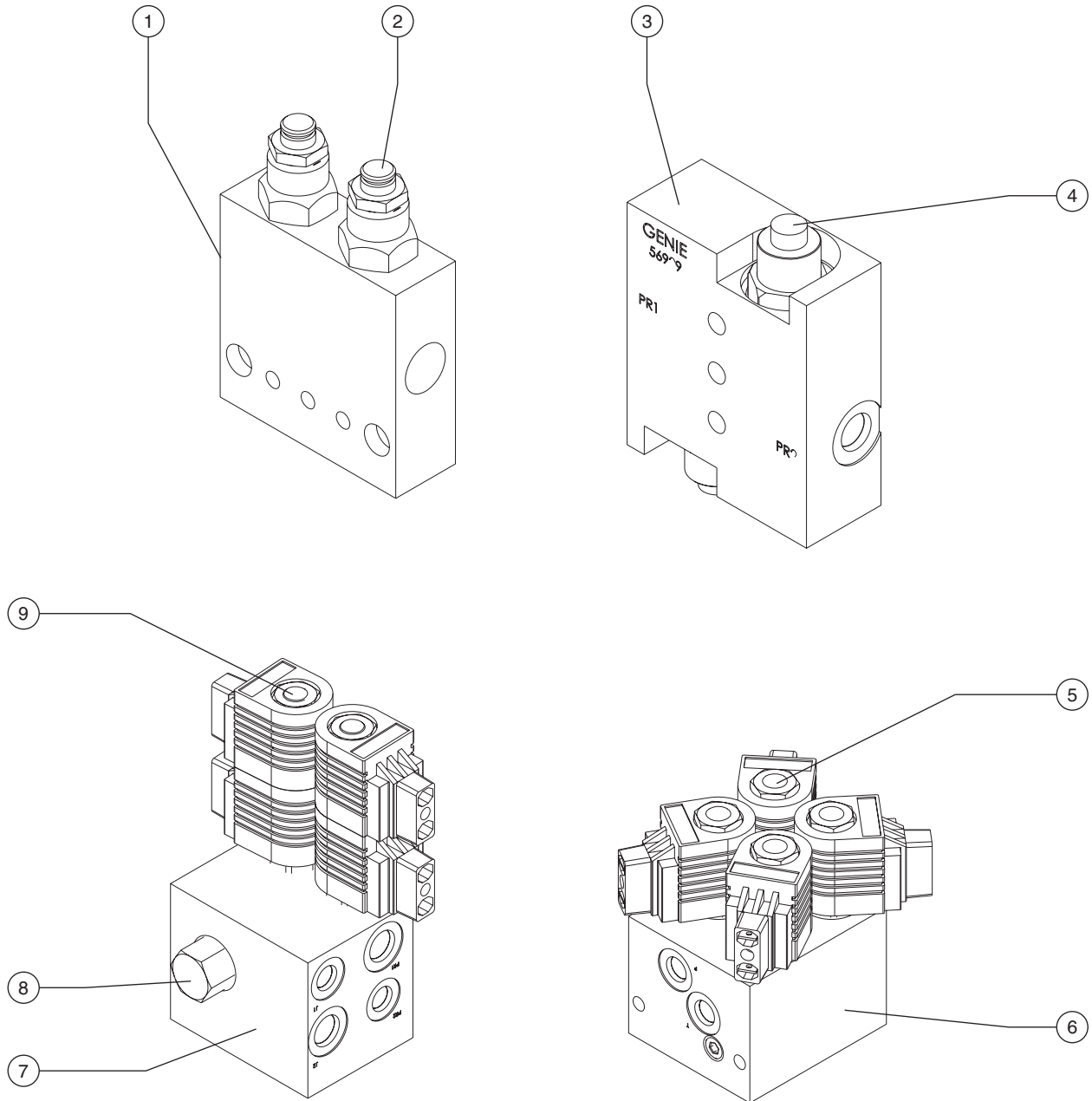
| Item | Part No. | Description                                                                                                              | Qty. | Item | Part No. | Description                                        | Qty. |
|------|----------|--------------------------------------------------------------------------------------------------------------------------|------|------|----------|----------------------------------------------------|------|
| —    | 56309    | Function Manifold, Complete<br>(before serial number 3518,<br>Z-34/22N and 2895,<br>Z-34/22DC & Bi-energy)               |      | 13   | 19789    | Orifice Plug,<br>0.045 inch / 1.14 mm .....        | 2    |
| —    | 74512    | Function Manifold, Complete<br>(from serial number 3518 to<br>3766, Z-34/22N and 2894 to<br>3215, Z-34/22DC & Bi-energy) |      | 14   | 44956    | Solenoid Valve, 2 position<br>2 way, 20V DC .....  | 1    |
| —    | 74966    | Function Manifold, Complete<br>(after serial number 3766,<br>Z-34/22N and 3215, Z-34/22DC<br>& Bi-energy)                |      | —    | 40413    | Coil , 20V DC                                      |      |
| —    | 49612    | O-Ring Kit, ORFS Fitting                                                                                                 |      | —    | 49920    | Nut                                                |      |
| —    | 49613    | Plug and Cap Kit                                                                                                         |      | 15   | 27532    | Differential Sensing Valve .....                   | 1    |
| —    | 28750    | O-Ring Kit, SAE                                                                                                          |      | 16   | 52715    | Relief Valve,<br>3200 psi / 220.6 bar .....        | 1    |
| —    | 33994    | Plug and Cap Kit, SAE                                                                                                    |      | 17   | 48997    | Diagnostic Nipple .....                            | 1    |
| 1    | 52599    | Solenoid Valve, 3 position,<br>4 way with Diode .....                                                                    | 4    | —    | 20224    | Female Quick Disconnect for<br>Pressure Gauge      |      |
| —    | 40413    | Coil, 20V DC with Diode                                                                                                  |      | 18   | 48880    | Diagnostic Nipple Cap .....                        | 1    |
| —    | 52943    | Nut                                                                                                                      |      | 19   | 19470    | Flow Regulator Valve,<br>1.5 gpm / 5.7 L/min ..... | 1    |
| 2    | 52604    | Counterbalance Valve,<br>3000 psi / 206.8 bar .....                                                                      | 2    | 20   | 52598    | Flow Regulator Valve,<br>0.8 gpm / 3 L/min .....   | 1    |
| 3    | 52603    | Relief Valve,<br>1100 psi / 75.8 bar .....                                                                               | 1    | 21   | 94019    | Orifice Plug,<br>0.035 inch / 0.89 mm .....        | 1    |
| 4    | 52601    | Relief Valve,<br>1600 psi / 110 bar .....                                                                                | 1    |      |          |                                                    |      |
| 5    | 52600    | Relief Valve,<br>1400 psi / 96.5 bar .....                                                                               | 1    |      |          |                                                    |      |
| 6    | 31527    | Relief Valve,<br>1800 psi / 124 bar .....                                                                                | 1    |      |          |                                                    |      |
| 7    | 40410    | Proportional Valve, 24V DC .....                                                                                         | 1    |      |          |                                                    |      |
| —    | 29032    | Coil, 24V DC                                                                                                             |      |      |          |                                                    |      |
| 8    | 49920    | Nut .....                                                                                                                | 1    |      |          |                                                    |      |
| 9    | 43599    | Check Valve .....                                                                                                        | 1    |      |          |                                                    |      |
| 10   | 52885    | Solenoid Valve,<br>3 position 4 way with Diode .....                                                                     | 2    |      |          |                                                    |      |
| —    | 40413    | Coil, 20V DC with Diode                                                                                                  |      |      |          |                                                    |      |
| —    | 52943    | Nut                                                                                                                      |      |      |          |                                                    |      |
| 11   | 56820    | Pressure Switch, 6 SAE,<br>600 psi / 41.4 bar .....                                                                      | 1    |      |          |                                                    |      |
| 12   | 45544    | Solenoid Valve,<br>2 position 2 way, 20V DC .....                                                                        | 1    |      |          |                                                    |      |
| —    | 52339    | Coil , 20V DC                                                                                                            |      |      |          |                                                    |      |
| —    | 52943    | Nut                                                                                                                      |      |      |          |                                                    |      |

| Figure | Rev | Description                                   |
|--------|-----|-----------------------------------------------|
| 702.1  | A   | Hydraulic Power Unit and Auxiliary Power Unit |



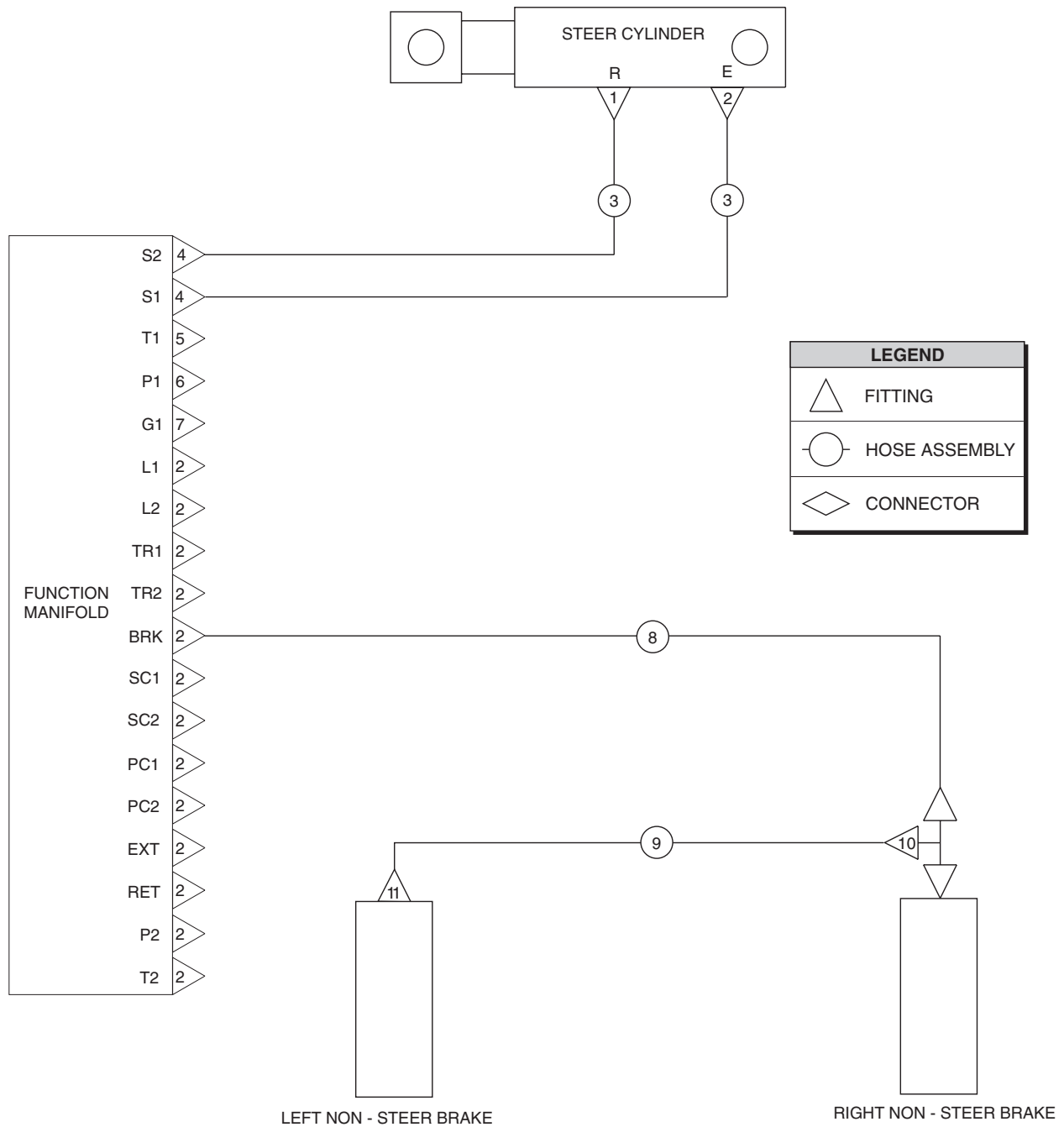
| Item | Part No. | Description                                             |
|------|----------|---------------------------------------------------------|
| 1    | 94196    | Motor Assembly, 48V DC ..... 1                          |
| 2    | 36179    | Auxiliary Power Unit, 24V DC ..... 1                    |
| —    | 37187    | Seal Kit                                                |
| —    | 37186    | Check Valve                                             |
| —    | 37185    | Pump Assembly                                           |
| —    | 37184    | Motor, 24V DC                                           |
| —    | 37191    | Gasket                                                  |
| —    | 37192    | Coupler                                                 |
| 3    | 32317    | Screw - HHC, $\frac{3}{8}$ -24 x 1 inch<br>GR 8 ..... 2 |
| 4    | 6021     | Lock Washer, $\frac{3}{8}$ inch                         |
| 5    | 77981    | Lift Pump, 3cc ..... 1                                  |
| —    | 77990    | Seal Kit                                                |

| Figure | Rev | Description                            |
|--------|-----|----------------------------------------|
| 703.1  | A   | Jib Boom and Platform Rotate Manifolds |



| Item | Part No. | Description                                                                                                                     | Qty. |
|------|----------|---------------------------------------------------------------------------------------------------------------------------------|------|
| 1    | 43166    | Platform Rotate Manifold<br>(includes item 2) (before serial<br>number 2771, Z-34/22N and<br>2005, Z-34/22 DC & Bi-Energy) ...  | 1    |
| 2    | 39345    | Counterbalance Valve,<br>3000 psi / 207 bar .....                                                                               | 2    |
| 3    | 56929    | Platform Rotate Manifold (includes<br>item 4) (after serial number<br>2770, Z-34/22N and 2004,<br>Z-34/22 DC & Bi-Energy) ..... | 1    |
| 4    | 62506    | Counterbalance Valve,<br>3000 psi / 207 bar .....                                                                               | 2    |
| 5    | 44954    | Solenoid Valve, 2 Position<br>3 Way, 20V DC (before serial<br>number 2772, Z-34/22N and<br>2006, Z-34/22 DC & Bi-Energy) ...    | 4    |
| —    | 72043    | Seal Kit                                                                                                                        |      |
| 6    | 74014    | Jib Boom Manifold (includes<br>item 5) (before serial number<br>2772, Z-34/22N and 2006,<br>Z-34/22 DC & Bi-Energy) .....       | 1    |
| 7    | 74124    | Jib Boom Manifold (includes<br>items 8 and 9) (after serial<br>number 2771, Z-34N and 2005,<br>Z-34/22 DC & Bi-Energy) .....    | 1    |
| 8    | 31099    | Flow Regulator Valve (after<br>serial number 2771, Z-34N and<br>2005, Z-34/22 DC & Bi-Energy) ...                               | 1    |
| 9    | 52599    | Solenoid Valve, 3 position<br>4 way (after serial number 2771,<br>Z-34N and 2005, Z-34/22 DC &<br>Bi-Energy) .....              | 2    |

| Figure | Rev | Description         |
|--------|-----|---------------------|
| 801.1  | A   | Drive Chassis Hoses |

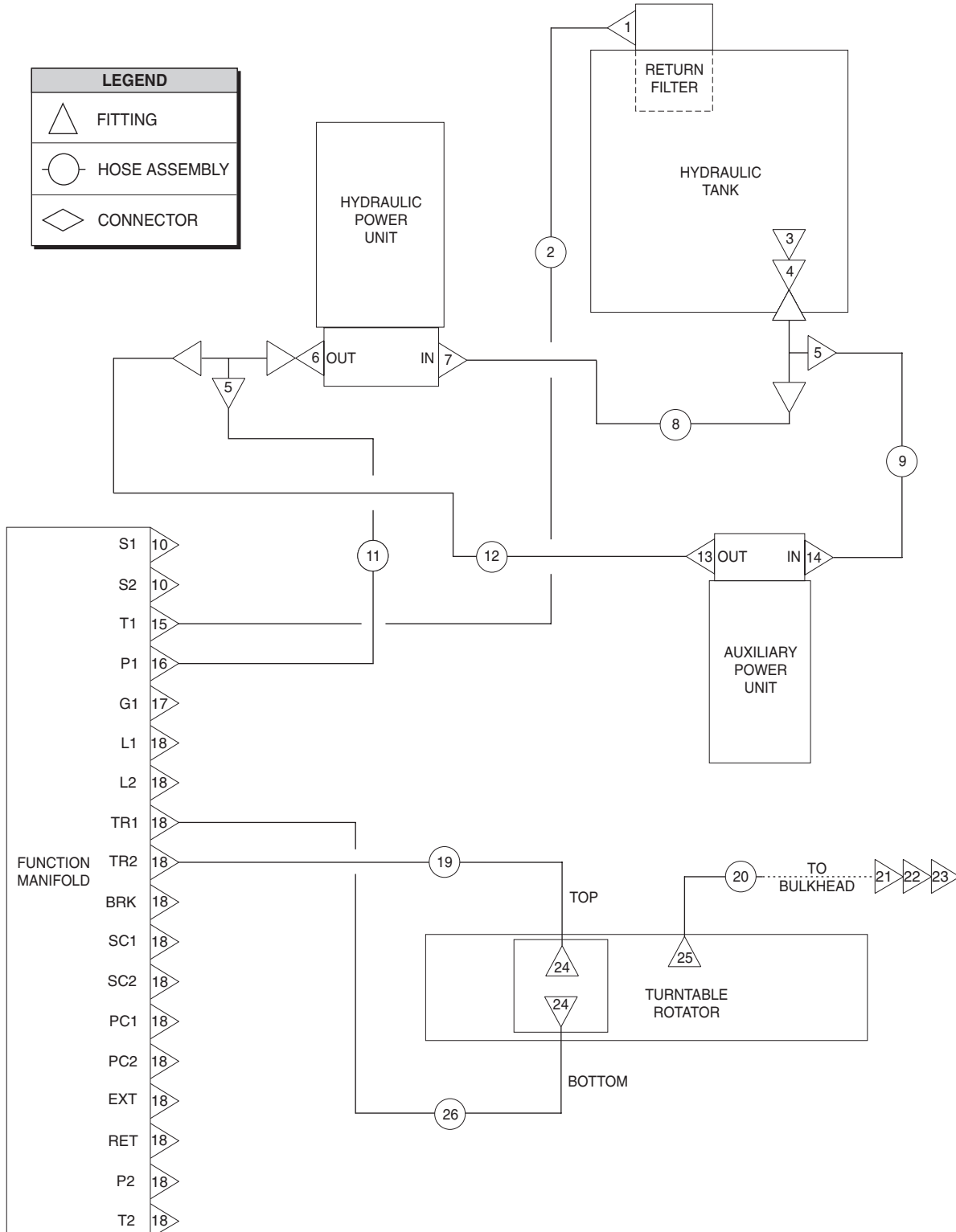


| Item | Part No. | Description                                                                                          | Qty. |
|------|----------|------------------------------------------------------------------------------------------------------|------|
| 1    | 48911    | Fitting .....                                                                                        | 1    |
| 2    | 48912    | Fitting .....                                                                                        | 14   |
| 3    | 56782-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800 and 48751 @<br>60.5 inches .....   | 2    |
| 4    | 49418    | Fitting .....                                                                                        | 2    |
| 5    | 48938    | Fitting .....                                                                                        | 1    |
| 6    | 48916    | Fitting .....                                                                                        | 1    |
| 7    | 48997    | Nipple - Diagnostic .....                                                                            | 1    |
| —    | 20224    | Female - Quick Disconnect for<br>Pressure Gauge                                                      |      |
| 8    | 56781-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48802 and 48751 @ 72.65<br>inches .....  | 1    |
| 9    | 42744-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800, and 48751 @ 30.25<br>inches ..... | 1    |
| 10   | 42848-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800, and 48751 @ 38.22<br>inches ..... | 1    |
| 11   | 48908    | Fitting .....                                                                                        | 1    |
| 12   | 48904    | Fitting .....                                                                                        | 1    |

The length listed in the component description is the length of the hose only.  
Refer to 805.1 to cross-reference Genie part numbers to Parker part numbers.



| Figure | Rev | Description                              |
|--------|-----|------------------------------------------|
| 802.1  | A   | Turntable Hoses - Z-34/22N and Z-34/22DC |



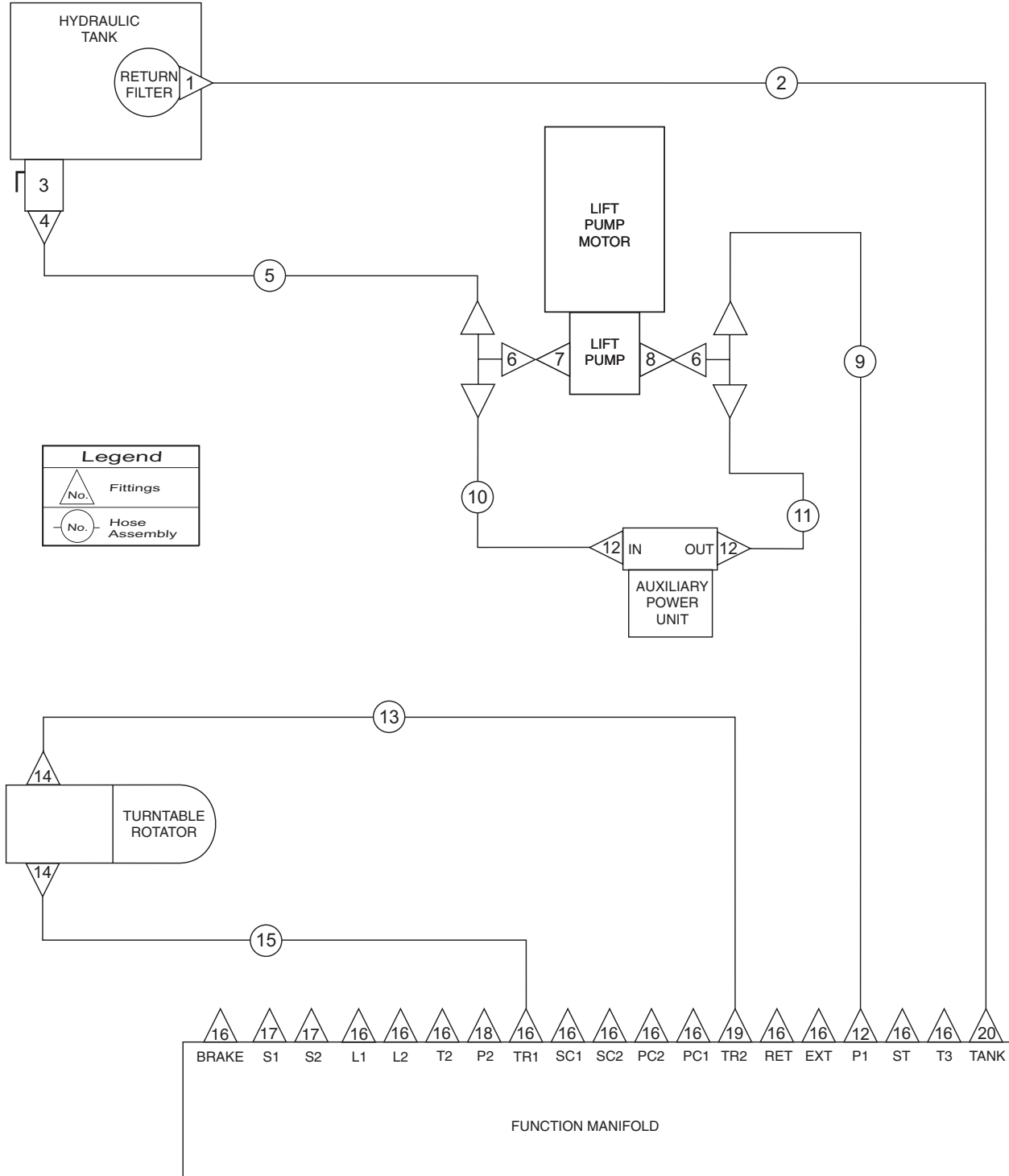
802.1  
Turntable Hoses - Z-34/22N and Z-34/22DC Rev A

| Item | Part No. | Description                                                                            | Qty. | Item | Part No. | Description                                                                            | Qty. |
|------|----------|----------------------------------------------------------------------------------------|------|------|----------|----------------------------------------------------------------------------------------|------|
| —    | 49612    | O-Ring Kit (services ORFS)                                                             |      | 20   | 42805    | Hose Assembly - Components:                                                            |      |
| —    | 49613    | Plug and Cap Kit (services ORFS)                                                       |      |      |          | Genie part numbers 48805, 48805 and 48751 @ 20 inches ....                             | 1    |
| —    | 28750    | O-Ring Kit (services SAE fittings)                                                     |      | 21   | 45415    | Fitting .....                                                                          | 1    |
| —    | 33994    | Plug and Cap Kit (services SAE fittings)                                               |      | 22   | 48885    | Fitting .....                                                                          | 1    |
| 1    | 48947    | Fitting .....                                                                          | 1    | 23   | 22794    | Grease Fitting, 1/8 NPT .....                                                          | 1    |
| 2    | 56844    | Hose Assembly - Components: Genie part numbers 48822, 48822 and 48756 @ 54 inches .... | 1    | 24   | 48931    | Fitting .....                                                                          | 2    |
| 3    | 42920    | Ball Valve .....                                                                       | 1    | 25   | 31194    | Fitting .....                                                                          | 1    |
| 4    | 48944    | Fitting .....                                                                          | 1    | 26   | 42855    | Hose Assembly - Components: Genie part numbers 48800, 48811 and 48751 @ 29 inches .... | 1    |
| 5    | 48938    | Fitting .....                                                                          | 2    |      |          |                                                                                        |      |
| 6    | 48999    | Check Valve .....                                                                      | 1    |      |          |                                                                                        |      |
| 7    | 48946    | Fitting .....                                                                          | 1    |      |          |                                                                                        |      |
| 8    | 42935    | Hose Assembly - Components: Genie part numbers 48822, 48825 and 48756 @ 23 inches .... | 1    |      |          |                                                                                        |      |
| 9    | 42866    | Hose Assembly - Components: Genie part numbers 48812, 48821 and 48753 @ 30 inches .... | 1    |      |          |                                                                                        |      |
| 10   | 49418    | Fitting .....                                                                          | 2    |      |          |                                                                                        |      |
| 11   | 42854    | Hose Assembly - Components: Genie part numbers 48812, 48819 and 48753 @ 37 inches .... | 1    |      |          |                                                                                        |      |
| 12   | 56845    | Hose Assembly - Components: Genie part numbers 48814, 48819 and 48753 @ 15 inches .... | 1    |      |          |                                                                                        |      |
| 13   | 48915    | Fitting .....                                                                          | 1    |      |          |                                                                                        |      |
| 14   | 56003    | Fitting .....                                                                          | 1    |      |          |                                                                                        |      |
| 15   | 48933    | Fitting .....                                                                          | 2    |      |          |                                                                                        |      |
| 16   | 48916    | Fitting .....                                                                          | 1    |      |          |                                                                                        |      |
| 17   | 48997    | Diagnostic Nipple .....                                                                | 1    |      |          |                                                                                        |      |
| —    | 20224    | Quick Disconnect for Pressure Gauge                                                    |      |      |          |                                                                                        |      |
| 18   | 48912    | Fitting .....                                                                          | 13   |      |          |                                                                                        |      |
| 19   | 42856    | Hose Assembly - Components: Genie part numbers 48800, 48811 and 48751 @ 25 inches .... | 1    |      |          |                                                                                        |      |

**The length listed in the component description is the length of the hose only. Refer to 805.1 to cross-reference Genie part numbers to Parker part numbers.**



**Figure** 803.1      **Rev** A      **Description** Turntable Hoses - Z-34/22 Bi-Energy



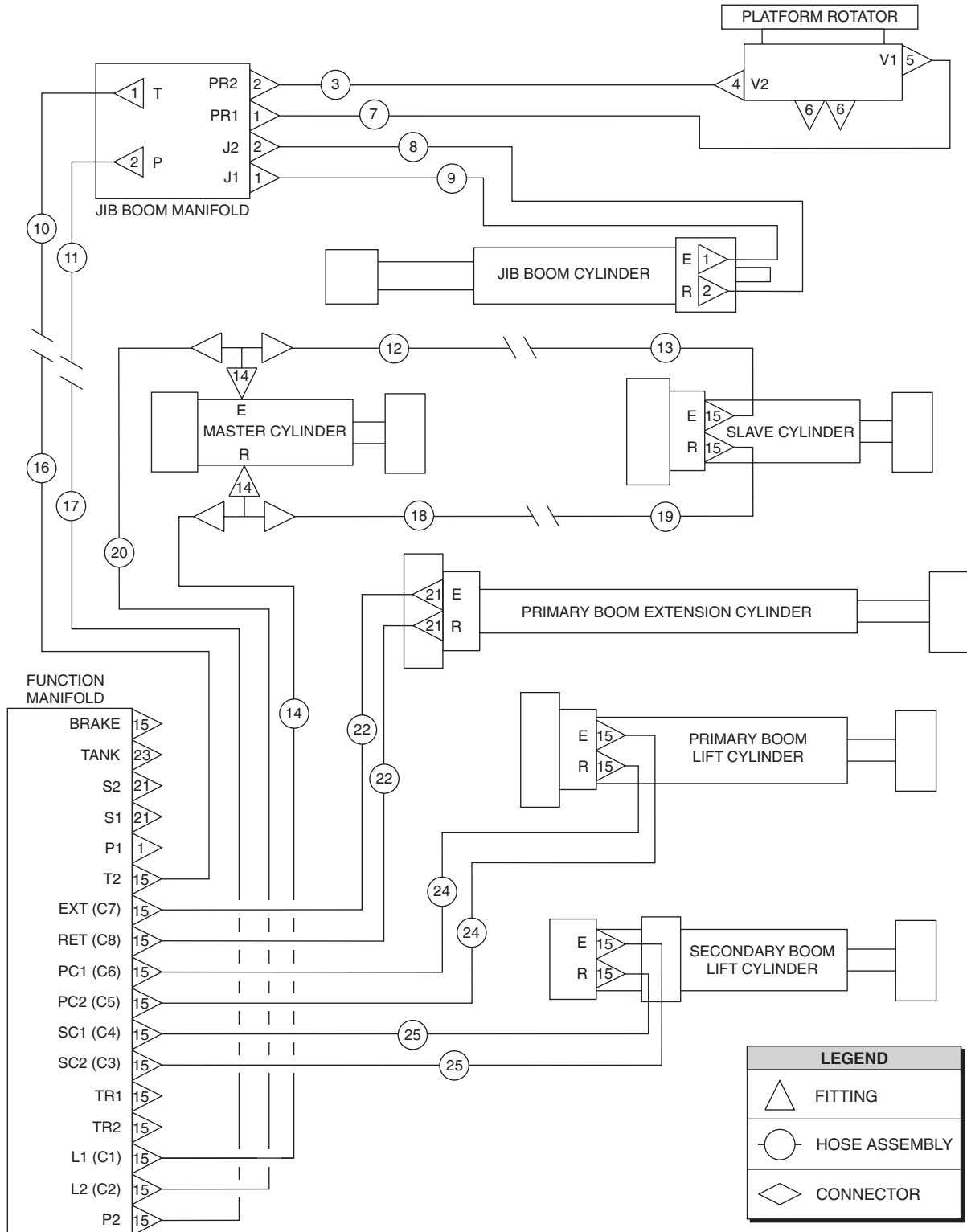
803.1  
Turntable Hoses - Z-34/22 Bi-Energy Rev A

| Item | Part No. | Description                          | Qty. | Item | Part No. | Description                      | Qty. |
|------|----------|--------------------------------------|------|------|----------|----------------------------------|------|
| —    | 49612    | O-Ring Kit (services ORFS fittings)  |      | 13   | 42892-S  | Hose Assembly - Components:      |      |
| —    | 49613    | Plug and Cap Kit (for ORFS fittings) |      |      |          | Genie part numbers 48800,        |      |
| —    | 28750    | O-Ring Kit (services SAE fittings)   |      |      |          | 48811 and 48751 @ 31 inches .... | 1    |
| —    | 33994    | Plug and Cap Kit (for SAE ports)     |      | 14   | 48931    | Fitting .....                    | 2    |
| 1    | 48947    | Fitting .....                        | 1    | 15   | 42895-S  | Hose Assembly - Components:      |      |
| 2    | 56048-S  | Hose Assembly - Components:          |      |      |          | Genie part numbers 48800,        |      |
|      |          | Genie part numbers 48822,            |      |      |          | 48811 and 48751 @ 36 inches .... | 1    |
|      |          | 48827 and 48756 @ 28 inches          |      | 16   | 48912    | Fitting .....                    | 13   |
|      |          | (before serial number 2573) .....    | 1    | 17   | 49418    | Fitting .....                    | 2    |
| —    | 74736    | Hose Assembly - Components:          |      | 18   | 48905    | Fitting .....                    | 1    |
|      |          | Genie part numbers 48822,            |      | 19   | 48900    | Fitting .....                    | 1    |
|      |          | 48822 and 48756 @ 33 inches          |      | 20   | 48933    | Fitting .....                    | 1    |
|      |          | (after serial number 2572)           |      |      |          |                                  |      |
| 3    | 42920    | Ball Valve .....                     | 1    |      |          |                                  |      |
| 4    | 48944    | Fitting .....                        | 1    |      |          |                                  |      |
| 5    | 56115-S  | Hose Assembly - Components:          |      |      |          |                                  |      |
|      |          | Genie part numbers 48822,            |      |      |          |                                  |      |
|      |          | 48822 and 48756 @ 45 inches ....     | 1    |      |          |                                  |      |
| 6    | 48939    | Fitting .....                        | 2    |      |          |                                  |      |
| 7    | 48946    | Fitting .....                        | 1    |      |          |                                  |      |
| 8    | 48999    | Check Valve .....                    | 1    |      |          |                                  |      |
| 9    | 56049-S  | Hose Assembly - Components:          |      |      |          |                                  |      |
|      |          | Genie part numbers 48812,            |      |      |          |                                  |      |
|      |          | 48819 and 48753 @ 47 inches          |      |      |          |                                  |      |
|      |          | (before serial number 2070) .....    | 1    |      |          |                                  |      |
| —    | 74156    | Hose Assembly - Components:          |      |      |          |                                  |      |
|      |          | Genie part numbers 48812,            |      |      |          |                                  |      |
|      |          | 48812 and 48753 @ 47 inches          |      |      |          |                                  |      |
|      |          | (after serial number 2069)           |      |      |          |                                  |      |
| 10   | 56116-S  | Hose Assembly - Components:          |      |      |          |                                  |      |
|      |          | Genie part numbers 48812,            |      |      |          |                                  |      |
|      |          | 48819 and 48753 @ 17 inches ....     | 1    |      |          |                                  |      |
| 11   | 56114-S  | Hose Assembly - Components:          |      |      |          |                                  |      |
|      |          | Genie part numbers 48812,            |      |      |          |                                  |      |
|      |          | 48821 and 48753 @ 24 inches          |      |      |          |                                  |      |
|      |          | (before serial number 2070) .....    | 1    |      |          |                                  |      |
| —    | 74155    | Hose Assembly - Components:          |      |      |          |                                  |      |
|      |          | Genie part numbers 48812,            |      |      |          |                                  |      |
|      |          | 48816 and 48753 @ 24 inches          |      |      |          |                                  |      |
|      |          | (after serial number 2069)           |      |      |          |                                  |      |
| 12   | 48916    | Fitting .....                        | 2    |      |          |                                  |      |

**The length listed in the component description is the length of the hose only. Refer to 805.1 to cross-reference Genie part numbers to Parker part numbers.**



**Figure** 804.1  
**Rev** A  
**Description** Boom Hoses



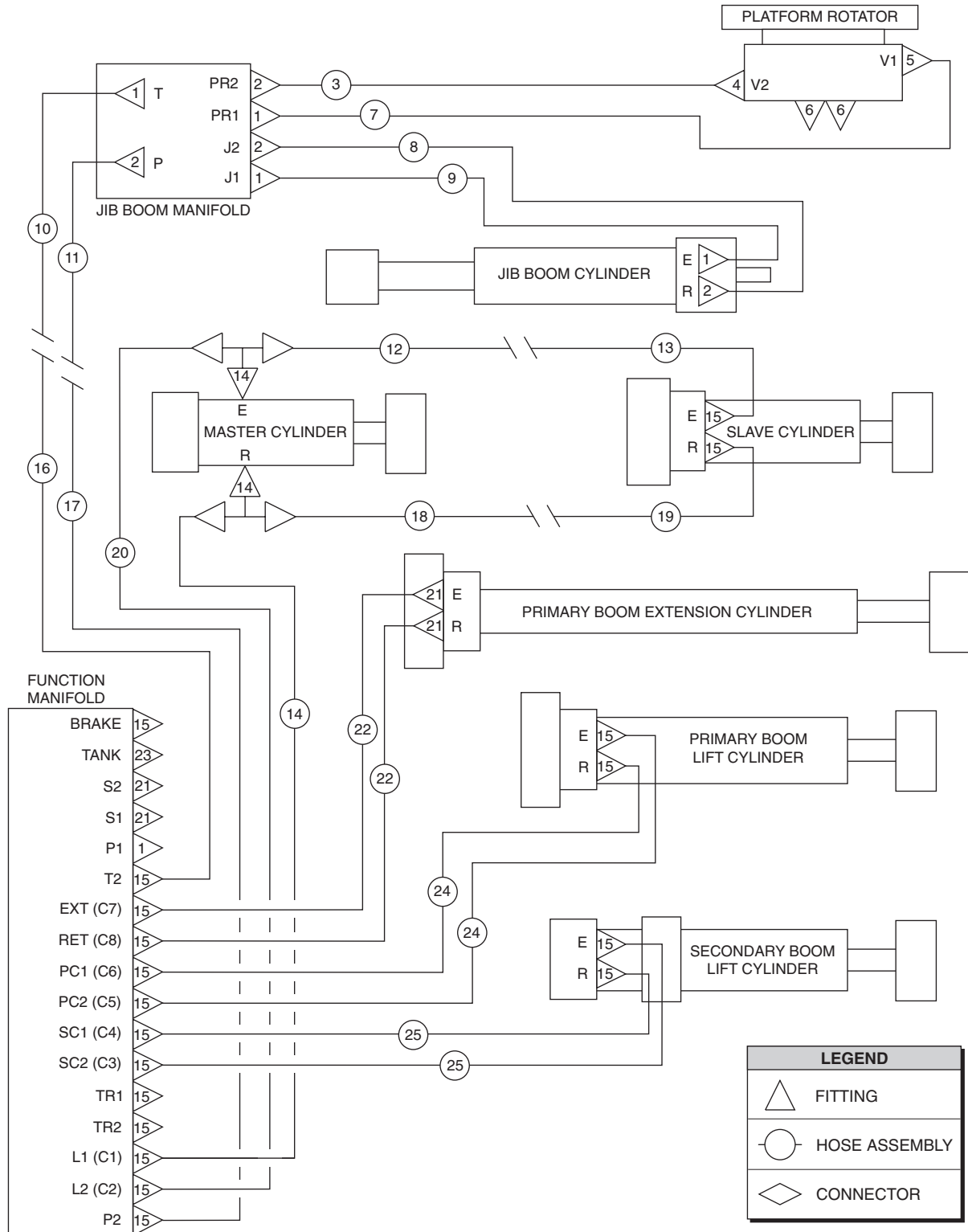
| Item | Part No. | Description                                                                                                                                                                          | Item | Part No. | Description                                                                                                                                                                                                                   |
|------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 48916    | Fitting ..... 4                                                                                                                                                                      | 9    | 56180-S  | Hose Assembly - Components:<br>Genie part numbers 48810,<br>48810 and 48751 @ 28 inches<br>(before serial number 2772,<br>Z-34/22N and 2006, Z-34/22DC<br>& Bi-Energy) ..... 1                                                |
| 2    | 48905    | Fitting ..... 4                                                                                                                                                                      | —    | 74164    | Hose Assembly - Components:<br>Genie part numbers 48810,<br>48810 and 48751 @ 23 inches<br>(from serial number 2772 to<br>2930, Z-34/22N and 2006 to<br>2123, Z-34/22DC & Bi-Energy)                                          |
| 3    | 42820-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800 and 48751 @ 54 inches<br>(before serial number 2548,<br>Z-34/22N and 1892, Z-34/22DC<br>& Bi-Energy) ..... 1       | —    | 74165    | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48810 and 48751 @ 23 inches<br>(from serial number 2931 to<br>3971, Z-34/22N and 2124 to<br>3297, Z-34/22DC & Bi-Energy)                                          |
| —    | 74020-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800 and 48751 @ 51 inches<br>(from serial number 2548 to<br>2771, Z-34/22N and 1891 to<br>2005, Z-34/22DC & Bi-Energy) | —    | 74983    | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48810 and 48751 @ 17 inches<br>(after serial number 3971,<br>Z-34/22N and 3297, Z-34/22DC<br>& Bi-Energy)                                                         |
| —    | 74308    | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48802, and 48751 @ 43 inches<br>(after serial number 2771,<br>Z-34/22N and 2005, Z-34/22DC<br>& Bi-Energy)               | 10   | 56209-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48811 and 48751 @ 220 inches<br>(before serial number 4018,<br>Z-34/22N and 3348, Z-34/22DC<br>& Bi-Energy) (refer to item 16 for<br>later models) ..... 1        |
| 4    | 48904    | Fitting ..... 1                                                                                                                                                                      | 11   | 42862-S  | Hose Assembly - Components:<br>Genie part numbers 42768,<br>48802, 56233 and 48751 @<br>220 inches (before serial number<br>4018, Z-34/22N and 3348,<br>Z-34/22DC & Bi-Energy) (refer<br>to item 17 for later models) ..... 1 |
| 5    | 48926    | Fitting ..... 1                                                                                                                                                                      |      |          |                                                                                                                                                                                                                               |
| 6    | 13852    | Bleed Valve, 1/8 -27 NPT ..... 2                                                                                                                                                     |      |          |                                                                                                                                                                                                                               |
| 7    | 56181-S  | Hose Assembly - Components:<br>Genie part numbers 48810,<br>48810 and 48751 @ 48 inches<br>(before serial number 2548,<br>Z-34/22N and 1892, Z-34/22DC<br>& Bi-Energy) ..... 1       |      |          |                                                                                                                                                                                                                               |
| —    | 74016-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48810 and 48751 @ 48 inches<br>(from serial number 2548 to<br>2771, Z-34/22N and 1891 to<br>2005, Z-34/22DC & Bi-Energy) |      |          |                                                                                                                                                                                                                               |
| —    | 74309    | Hose Assembly - Components:<br>Genie part numbers 48810,<br>48811, 48773 and 48751 @ 42<br>inches (after serial number 2771,<br>Z-34/22N and 2005, Z-34/22DC<br>& Bi-Energy)         |      |          |                                                                                                                                                                                                                               |
| 8    | 42818-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800 and 48751 @ 29 inches .... 1                                                                                       |      |          |                                                                                                                                                                                                                               |

This list continues on next page.

The length listed in the component description is the length of the hose only.  
Refer to 805.1 to cross-reference Genie part numbers to Parker part numbers.



| Figure | Rev | Description |
|--------|-----|-------------|
| 804.1  | A   | Boom Hoses  |



| Item | Part No. | Description                                                                                                                                                                            | Qty. | Item                                                                                                                                                                                                                                      | Part No. | Description                                                                                                                                                                     | Qty. |
|------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 12   | 56946-S  | Hose Assembly - Components:<br>Genie part numbers 42768,<br>48800 and 48751 @ 238 inches .. 1                                                                                          |      | 20                                                                                                                                                                                                                                        | 42858-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800 and 48751 @ 196 inches .. 1                                                                                   |      |
| 13   | 56945-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48810 and 48751 @ 27 inches .... 1                                                                                         |      | 21                                                                                                                                                                                                                                        | 49418    | Fitting ..... 4                                                                                                                                                                 |      |
| 14   | 48890    | Fitting ..... 2                                                                                                                                                                        |      | 22                                                                                                                                                                                                                                        | 42859-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800 and 48751 @ 214 inches .. 2                                                                                   |      |
| 15   | 48912    | Fitting ..... 18                                                                                                                                                                       |      | 23                                                                                                                                                                                                                                        | 48933    | Fitting ..... 1                                                                                                                                                                 |      |
| 16   | 56244-S  | Hose Assembly - Components:<br>Genie part numbers 42768,<br>48800, 56233, and 48751 @<br>239 inches (before serial<br>number 4018, Z-34/22N and<br>3348, Z-34/22DC & Bi-Energy) .... 1 |      | 24                                                                                                                                                                                                                                        | 42860-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800 and 48751 @ 213 inches<br>(before serial number 3701,<br>Z-34/22N and 3179, Z-34/22DC<br>& Bi-Energy) ..... 2 |      |
| —    | 94101    | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48810 and 48751 @ 470 inches<br>(after serial number 4017,<br>Z-34/22N)                                                    |      | —                                                                                                                                                                                                                                         | 74840    | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800 and 48751 @ 211 inches<br>(after serial number 3700,<br>Z-34/22N and 3178, Z-34/22DC<br>& Bi-Energy)          |      |
| —    | 94103    | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48810 and 48751 @ 466 inches<br>(after serial number 3347,<br>Z-34/22DC & Bi-Energy)                                       |      | 25                                                                                                                                                                                                                                        | 42861-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48802 and 48751 @ 80 inches .... 2                                                                                  |      |
| 17   | 42857-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800 and 48751 @ 237 inches<br>(before serial number 4018,<br>Z-34/22N and 3348, Z-34/22DC<br>& Bi-Energy) ..... 1        |      | <div style="border: 1px solid black; padding: 5px;"> <p><b>The length listed in the component description is the length of the hose only.<br/>Refer to 805.1 to cross-reference Genie part numbers to Parker part numbers.</b></p> </div> |          |                                                                                                                                                                                 |      |
| —    | 94101    | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48810 and 48751 @ 470 inches<br>(after serial number 4017,<br>Z-34/22N)                                                    |      |                                                                                                                                                                                                                                           |          |                                                                                                                                                                                 |      |
| —    | 94103    | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48810 and 48751 @ 466 inches<br>(after serial number 3347,<br>Z-34/22DC & Bi-Energy)                                       |      |                                                                                                                                                                                                                                           |          |                                                                                                                                                                                 |      |
| 18   | 42863-S  | Hose Assembly - Components:<br>Genie part numbers 48800,<br>48800 and 48751 @ 238 inches .. 1                                                                                          |      |                                                                                                                                                                                                                                           |          |                                                                                                                                                                                 |      |
| 19   | 42817-S  | Hose Assembly - Components:<br>Genie part numbers 42768,<br>48800, 56233, and 48751 @ 30<br>inches ..... 1                                                                             |      |                                                                                                                                                                                                                                           |          |                                                                                                                                                                                 |      |

| Figure | Rev | Description                                |
|--------|-----|--------------------------------------------|
| 805.1  | A   | Hydraulic Hose and Fitting Cross-reference |

| 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             | 48771    | 881-10        | HOSE,5/8 INCH ID                        |
| 42760    | 6-8 FLO-S       | CONNECTOR,MALE PIPE TO ORFS             | 48772    | 381-4         | HOSE,1/4 INCH ID                        |
| 42761    | 1J143-6-4       | HOSE END,90° FEMALE SWIVEL,SEAL LOK     | 48773    | AS-B-13       | SLEEVE,NYLON,.86" ID                    |
| 42762    | 1J743-6-4       | HOSE END,45° FEMALE SWIVEL,SEAL LOK     | 48800    | 1JC43-4-4     | HOSE END,FEMALE SWIVEL,SEAL LOK         |
| 42768    | 1JO43-4-4       | HOSE END,MALE,SEAL LOK                  | 48801    | 1J743-4-4     | HOSE END,45° FEMALE SWIVEL,SEAL LOK     |
| 42776    | 601-8           | HOSE,1/2 INCH ID                        | 48802    | 1J943-4-4     | HOSE END,90° FEMALE SWIVEL,SEAL LOK     |
| 42777    | 1J743-16-16     | HOSE END,45° FEMALE SWIVEL,SEAL LOK     | 48804    | 1JM43-4-4     | HOSE END,MALE,SEAL LOK, NO O-RING       |
| 42786    | 16 CLO-S        | ELBOW,90°,MALE PIPE TO ORFS             | 48805    | 10643-4-4     | HOSE END,FEMALE SWIVEL,JIC              |
| 42787    | 16 R6LO-S       | RUN TEE,SWIVEL NUT,ORFS                 | 48806    | 13943-4-4     | HOSE END,90° FEMALE SWIVEL,JIC          |
| 42788    | 16-8 TRLO-BL-S  | REDUCER,TUBE END TO SWIVEL,ORFS         | 48807    | 1JS43-4-4     | HOSE END,FEMALE SWIVEL,SEAL LOK         |
| 42789    | 6-6 CLO-S       | ELBOW,90°,MALE PIPE TO ORFS             | 48808    | 3JC82-8-8     | HOSE END,FEMALE SWIVEL,SEAL LOK         |
| 42790    | 8-10 V5OLO-S    | ELBOW,45°,STRAIGHT THREAD TO ORFS       | 48809    | 3JC82-12-12   | HOSE END,FEMALE SWIVEL,SEAL LOK         |
| 42791    | 3/4 CD-S        | ELBOW,90°,MALE TO FEMALE PIPE           | 48810    | 1JC43-6-4     | HOSE END,FEMALE SWIVEL,SEAL LOK         |
| 42792    | 3/4 X 1/2 PTR-S | REDUCER,MALE TO FEMALE PIPE             | 48811    | 1J943-6-4     | HOSE END,90° FEMALE SWIVEL,SEAL LOK     |
| 42793    | 1/2 CR-S        | ELBOW,90°,MALE PIPE                     | 48812    | 1JC43-6-6     | HOSE END,FEMALE SWIVEL,SEAL LOK         |

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| Genie PN | Parker PN   | Description                         |
|----------|-------------|-------------------------------------|
| 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 |
| 48847    | 1J943-12-12 | 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                     |

| Genie PN | Parker PN          | Description                                      |
|----------|--------------------|--------------------------------------------------|
| 48875    | 6 R6LO-S           | RUN TEE,SWIVEL NUT,ORFS                          |
| 488774   | F5OLO-SW/.025ORI   | CONNECTOR,STRAIGHT THREAD TO ORFS,<br>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                                       |
| 48882    | PD34BTL            | DIAGNOSTIC NIPPLE,SEAL-LOK SWIVEL                |
| 48883    | 8 P5ON-S           | PLUG,STRAIGHT THREAD                             |
| 48884    | 8M18F87OMLO-S      | CONNECTOR,METRIC,STRAIGHT THREAD<br>TO ORFS      |
| 48885    | 4 WGTX-WLN-S       | CONNECTOR,BULKHEAD,FEMALE PIPE TO<br>FLARE TUBE  |
| 488864   | F5OLO-SW/2MM OFF   | CONNECTOR,MACHINED STRAIGHT THREAD TO<br>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                    |
| 48892    | 6 C6LO-S           | ELBOW,90°,SWIVEL NUT ORFS                        |
| 48893    | 6 F5OHAO-S         | UNION,STRAIGHT THREAD                            |
| 48894    | 8 WLO-WLNL-S       | UNION,BULKHEAD,ORFS                              |
| 48895    | DT-370-MSMO-5      | VALVE,CHECK                                      |
| 48896    | 6 JLO-S            | UNION,TEE,ORFS                                   |
| 48897    | DT-750-MSMS-5      | VALVE,CHECK                                      |
| 48898    | DT-750-MOMS-5      | VALVE,CHECK                                      |
| 48899    | DT-620-MOMS-5      | VALVE,CHECK                                      |
| 489004-6 | F5OLO-SW/.035ORI   | CONNECTOR,STRAIGHT THREAD TO ORFS,<br>W/.035 ORI |
| 48902    | 16-1 AOE4G-S       | ELBOW,90° LONG,FEMALE PIPE TO<br>STRAIGHT THREAD |
| 48903    | 1 FF-S             | NIPPLE,PIPE                                      |
| 48904    | 4 C5OLO-S          | ELBOW,90°,STRAIGHT THREAD TO ORFS                |
| 48905    | 4 F5OLO-S          | CONNECTOR,STRAIGHT THREAD TO ORFS                |
| 48906    | 4 R5OLO-S          | RUN TEE,STRAIGHT THREAD                          |
| 48907    | 4 V5OLO-S          | ELBOW,45°,STRAIGHT THREAD TO ORFS                |
| 48908    | 4 R6LO-S           | RUN TEE,SWIVEL NUT,ORFS                          |
| 48909    | 4 WJJLO-WLNL-S     | RUN TEE, BULKHEAD,ORFS                           |
| 489104   | GTX-S W/.030ORIFIC | CONNECTOR,FEMALE PIPE TO FLARE TUBE              |
| 48911    | 4-6 C5OLO-S        | ELBOW,90°,STRAIGHT THREAD TO ORFS                |
| 48912    | 4-6 F5OLO-S        | CONNECTOR,STRAIGHT THREAD TO ORFS                |
| 489134-6 | F5OLO-SW/.030OR    | CONNECTOR,STRAIGHT THREAD TO ORFS,<br>W/.030 ORI |
| 48914    | 4-8 F5OLO-S        | CONNECTOR,STRAIGHT THREAD TO ORFS                |
| 48915    | 6 C5OLO-S          | ELBOW,90°,STRAIGHT THREAD TO ORFS                |
| 48916    | 6 F5OLO-S          | CONNECTOR,STRAIGHT THREAD TO ORFS                |
| 48917    | 6 FF5OLO-S         | CONNECTOR,LONG,STRAIGHT THREAD TO ORFS           |
| 48918    | 6 R5OLO-S          | RUN TEE,STRAIGHT THREAD                          |

| Figure | Rev | Description                                |
|--------|-----|--------------------------------------------|
| 805.1  | A   | Hydraulic Hose and Fitting Cross-reference |

| Genie PN | Parker PN      | Description                              | Genie PN | Parker PN       | Description                                      |
|----------|----------------|------------------------------------------|----------|-----------------|--------------------------------------------------|
| 48919    | 6 S5OLO-S      | BRANCH TEE, STRAIGHT THREAD TO ORFS      | 48968    | 12 WLO-WLNL-S   | UNION, BULKHEAD, ORFS                            |
| 48920    | 6 V5OLO-S      | ELBOW, 45°, STRAIGHT THREAD TO ORFS      | 48969    | 12 WJJLO-WLNL-S | RUN TEE, BULKHEAD, ORFS                          |
| 48921    | 6 FLO-S        | CONNECTOR, MALE PIPE TO ORFS             | 48970    | 12 WELO-WLNL-S  | UNION, 90° BULKHEAD W/NUT, ORFS                  |
| 48922    | 6-6 FLO-S      | CONNECTOR, MALE PIPE TO ORFS             | 48971    | 12 G5G5JG5-S    | TEE, FEMALE STRAIGHT THREAD                      |
| 48923    | 6 P5ON-S       | PLUG, STRAIGHT THREAD                    | 48972    | 12 XHL6-S       | ADAPTER, 37° MALE TO SWIVEL ORFS                 |
| 48925    | 6 WELO-S       | UNION, 90° BULKHEAD, ORFS                | 48973    | 12-1/2 F5OG-S   | ADAPTER, FEMALE PIPE TO STRAIGHT THREAD          |
| 48926    | 6-4 C5OLO-S    | ELBOW, 90°, STRAIGHT THREAD TO ORFS      | 48974    | 12-10 C5OLO-S   | ELBOW, 90°, STRAIGHT THREAD TO ORFS              |
| 48927    | 6-4 F5OLO-S    | CONNECTOR, STRAIGHT THREAD TO ORFS       | 48975    | 12-10 F5OLO-S   | CONNECTOR, STRAIGHT THREAD TO ORFS               |
| 48928    | 6-4 V5OLO-S    | ELBOW, 45°, STRAIGHT THREAD TO ORFS      | 48976    | 12-16 C5OLO-S   | ELBOW, 90°, STRAIGHT THREAD TO ORFS              |
| 48929    | 6-8 C5OLO-S    | ELBOW, 90°, STRAIGHT THREAD TO ORFS      | 48977    | 12-16 F5OLO-S   | CONNECTOR, STRAIGHT THREAD TO ORFS               |
| 48930    | 6-8 F5OLO-S    | CONNECTOR, STRAIGHT THREAD TO ORFS       | 48978    | 12-16 V5OLO-S   | ELBOW, 45°, STRAIGHT THREAD TO ORFS              |
| 48931    | 6-10 F5OLO-S   | CONNECTOR, STRAIGHT THREAD TO ORFS       | 48980    | 12-16 FLO-S     | CONNECTOR, MALE PIPE TO ORFS                     |
| 48932    | 8 C5OLO-S      | ELBOW, 90°, STRAIGHT THREAD TO ORFS      | 48983    | 16 C5OLO-S      | ELBOW, 90°, STRAIGHT THREAD TO ORFS              |
| 48933    | 8 F5OLO-S      | CONNECTOR, STRAIGHT THREAD TO ORFS       | 48984    | 16 F5OLO-S      | CONNECTOR, STRAIGHT THREAD TO ORFS               |
| 48934    | 8 FF5OLO-S     | CONNECTOR, LONG, STRAIGHT THREAD TO ORFS | 48985    | 16 V5OLO-S      | ELBOW, 45°, STRAIGHT THREAD TO ORFS              |
| 48935    | 8 R5OLO-S      | RUN TEE, STRAIGHT THREAD                 | 48986    | 16 FLO-S        | CONNECTOR, MALE PIPE TO ORFS                     |
| 48936    | 8 S5OLO-S      | BRANCH TEE, STRAIGHT THREAD TO ORFS      | 48988    | 16 CD45-S       | ELBOW, 45°, MALE TO FEMALE PIPE                  |
| 48937    | 8 V5OLO-S      | ELBOW, 45°, STRAIGHT THREAD TO ORFS      | 48989    | 12 CD45-S       | ELBOW, 45°, MALE TO FEMALE PIPE                  |
| 48938    | 8 R6LO-S       | RUN TEE, SWIVEL NUT, ORFS                | 48990    | 8 CD45-S        | ELBOW, 45°, MALE TO FEMALE PIPE                  |
| 48939    | 8 S6LO-S       | BRANCH TEE, SWIVEL NUT TO ORFS           | 48991    | 16-12 FLO-S     | CONNECTOR, MALE PIPE TO ORFS                     |
| 48940    | 8 WJJLO-WLNL-S | RUN TEE, BULKHEAD, ORFS                  | 48992    | 16-12 V5OLO-S   | ELBOW, 45°, STRAIGHT THREAD TO ORFS              |
| 48941    | 8-4 TRLO-S     | REDUCER, TUBE END TO SWIVEL, ORFS        | 48993    | XV501-12        | BALL VALVE                                       |
| 48942    | 8-6 C5OLO-S    | ELBOW, 90°, STRAIGHT THREAD TO ORFS      | 48994    | XV501-16        | BALL VALVE                                       |
| 48943    | 8-6 F5OLO-S    | CONNECTOR, STRAIGHT THREAD TO ORFS       | 48995    | XV510P-12       | BALL VALVE                                       |
| 48944    | 8-8 FLO-S      | CONNECTOR, MALE PIPE TO ORFS             | 48996    | XV510P-16       | BALL VALVE                                       |
| 48945    | 8 FTX-S        | CONNECTOR, MALE PIPE TO FLARE TUBE       | 48997    | PD341           | DIAGNOSTIC NIPPLE, STRAIGHT THREAD               |
| 48946    | 8-10 F5OLO-S   | CONNECTOR, STRAIGHT THREAD TO ORFS       | 48998    | PD 361          | DIAGNOSTIC NIPPLE, STRAIGHT THREAD               |
| 48947    | 8-12 C5OLO-S   | ELBOW, 90°, STRAIGHT THREAD TO ORFS      | 48999    | DT-500-MOMS-5   | VALVE, CHECK                                     |
| 48948    | 8-12 F5OLO-S   | CONNECTOR, STRAIGHT THREAD TO ORFS       | 49201    | 10 V5OLO-S      | ELBOW, 45°, STRAIGHT THREAD TO ORFS              |
| 48949    | 8-16 F5OLO-S   | CONNECTOR, STRAIGHT THREAD TO ORFS       | 49202    | 1JC43-12-10     | HOSE END, FEMALE SWIVEL, SEAL LOK                |
| 48950    | 10 C5OLO-S     | ELBOW, 90°, STRAIGHT THREAD TO ORFS      | 49203    | 10-8 V5OLO-S    | ELBOW, 45°, STRAIGHT THREAD TO ORFS              |
| 48951    | 10 CC5OLO-S    | ELBOW, 90° LONG, STRAIGHT THREAD TO ORFS | 49205    | 6 F5OHAO-S      | UNION, STRAIGHT THREAD                           |
| 48952    | 10 F5OLO-S     | CONNECTOR, STRAIGHT THREAD TO ORFS       | 49207    | PD34BTL         | DIAGNOSTIC NIPPLE, SEAL-LOK SWIVEL               |
| 48953    | 10 R5OLO-S     | RUN TEE, STRAIGHT THREAD                 | 49209    | 8M18F870MX-S    | CONNECTOR, METRIC, STRAIGHT THREAD TO FLARE TUBE |
| 48954    | 10 S5OLO-S     | BRANCH TEE, STRAIGHT THREAD TO ORFS      | 49212    | 8 WGTX-WLN-S    | CONNECTOR, BULKHEAD, FEMALE PIPE TO FLARE TUBE   |
| 48955    | 10 R6LO-S      | RUN TEE, SWIVEL NUT, ORFS                | 49213    | 30682-8-8       | HOSE END, FEMALE SWIVEL, JIC                     |
| 48956    | 10-4 TRLO-BL-S | REDUCER, TUBE END TO SWIVEL, ORFS        | 49216    | 831-8           | HOSE, 1/2 INCH ID                                |
| 48957    | 10-6 TRLO-BL-S | REDUCER, TUBE END TO SWIVEL, ORFS        | 49217    | 33982-8-8       | HOSE END, 90° FEMALE SWIVEL, JIC                 |
| 48958    | 10-12 F5OLO-S  | CONNECTOR, STRAIGHT THREAD TO ORFS       | 49219    | PS-B-35         | SLEEVE, NYLON, 2.19" ID                          |
| 48959    | 12 C5OLO-S     | ELBOW, 90°, STRAIGHT THREAD TO ORFS      | 49418    | 4-6 V5OLO-S     | ELBOW, 45°, STRAIGHT THREAD TO ORFS              |
| 48960    | 12 F5OLO-S     | CONNECTOR, STRAIGHT THREAD TO ORFS       | 49511    | DT370-MOMS-5    | VALVE, CHECK                                     |
| 48961    | 12 R5OLO-S     | RUN TEE, STRAIGHT THREAD                 | 49512    | 1 DD-S          | ELBOW, 90°, FEMALE PIPE                          |
| 48962    | 12 S5OLO-S     | BRANCH TEE, STRAIGHT THREAD TO ORFS      | 49513    | 1 FF-S          | NIPPLE, PIPE                                     |
| 48963    | 12 V5OLO-S     | ELBOW, 45°, STRAIGHT THREAD TO ORFS      | 49514    | 10 HP5ON-S      | PLUG, STRAIGHT THREAD                            |
| 48964    | 12 R6LO-S      | RUN TEE, SWIVEL NUT, ORFS                | 49515    | 12-16 CLO-S     | ELBOW, 90°, MALE PIPE TO ORFS                    |
| 48965    | 12 CLO-S       | ELBOW, 90°, MALE PIPE TO ORFS            | 49517    | 6 HP5ON-S       | PLUG, STRAIGHT THREAD                            |
| 48966    | 12 FLO-S       | CONNECTOR, MALE PIPE TO ORFS             |          |                 |                                                  |
| 48967    | 12 JLO-S       | UNION TEE, ORFS                          |          |                 |                                                  |

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Hydraulic Hose and Fitting Cross-reference Rev A

| Genie PN | Parker PN      | Description                            | Genie PN | Parker PN     | Description                                |
|----------|----------------|----------------------------------------|----------|---------------|--------------------------------------------|
| 49519    | 16-12 F5OLO-S  | CONNECTOR,STRAIGHT THREAD TO ORFS      | 54428    | 8M18C87OMLO-S | ELBOW, 90° METRIC, STRAIGHT THREAD TO ORFS |
| 49520    | 4 VTX-S        | ELBOW,45°,MALE PIPE TO FLARE TUBE      | 54803    | FS-F-16-10    | SLEEVE,FIRE,.96" ID                        |
| 49530    | 16 C6LO-S      | ELBOW,90°,SWIVEL NUT ORFS              | 54954    | 10143-2-4     | HOSE END, MALE PIPE                        |
| 49612    | PKT02586       | O-RING KIT (ORFS FITTINGS)             | 55190    | 3/8 HP-S      | PLUG,PIPE THREAD                           |
| 49613    | PKT06276       | PLUG AND CAP KIT-SERVICE,ORFS          | 55448    | 8 HLO-S       | UNION,ORFS                                 |
| 49728    | 10143-12-12    | HOSE END, MALE PIPE                    | 55839    | 6 F65OX-S     | CONNECTOR,STRAIGHT THREAD TO 37° SWIVEL    |
| 49729    | 16-1 F5OG-S    | ADAPTER,FEMALE PIPE TO STRAIGHT THREAD | 55968    | 10 C5OX-S     | ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE    |
| 49814    | 12-8 FLO-S     | CONNECTOR,MALE PIPE TO ORFS            | 56003    | 6 CC5OLO-S    | ELBOW,90° LONG,STRAIGHT THREAD TO ORFS     |
| 49829    | DT-500-MOMF-5  | VALVE,CHECK                            | 56166    | BV-0837       | BALL VALVE,90°                             |
| 49831    | 881-12         | HOSE,3/4 INCH ID                       | 56188    | 10143-8-6     | HOSE END, MALE PIPE                        |
| 49834    | 16 JLO-S       | UNION TEE,ORFS                         | 56233    | 2-011         | O-RING,ORFS,-4                             |
| 49838    | 12-8 TRLO-BL-S | REDUCER,TUBE END TO SWIVEL,ORFS        | 56234    | 2-012         | O-RING,ORFS,-6                             |
| 49840    | 8 JLO-S        | UNION TEE,ORFS                         | 56235    | 2-014         | O-RING,ORFS,-8                             |
| 49844    | 10-8 TRLO-BL-S | REDUCER,TUBE END TO SWIVEL,ORFS        | 56236    | 2-016         | O-RING,ORFS,-10                            |
| 49854    | 8 P5ON-S       | PLUG,STRAIGHT THREAD                   | 56237    | 2-018         | O-RING,ORFS,-12                            |
| 49855    | 1JC43-16-12    | HOSE END,FEMALE SWIVEL,SEAL LOK        | 56238    | 2-021         | O-RING,ORFS,-16                            |
| 49859    | 4 P5ON-S       | PLUG,STRAIGHT THREAD                   | 56352    | 6 WLN-S       | LOCKNUT,BULKHEAD                           |
| 49861    | 4 F5OLO-S      | CONNECTOR,LONG,STRAIGHT THREAD TO ORFS | 56353    | 3J782-12-12   | HOSE END,45° FEMALE SWIVEL,SEAL LOK        |
| 49867    | 12-3/4 F5OG-S  | ADAPTER,FEMALE PIPE TO STRAIGHT THREAD | 56354    | 3J982-12-12   | HOSE END,90° FEMALE SWIVEL,SEAL LOK        |
| 51152    | 6 R6X-S        | RUN TEE,SWIVEL NUT,ORFS                | 56604    | 10-8 F5OLO-S  | CONNECTOR,STRAIGHT THREAD TO ORFS          |
| 51153    | 6-4 TRTX-S     | REDUCER,TUBE END TO SWIVEL,ORFS        | 56639    | 3JC82-10-10   | HOSE END,FEMALE SWIVEL,SEAL LOK            |
| 51154    | 4-4 GTX        | CONNECTOR,FEMALE PIPE TO FLARE TUBE    | 56640    | 3J982-10-10   | HOSE END,90° FEMALE SWIVEL,SEAL LOK        |
| 51264    | 881-12         | HOSE,3/4 INCH ID                       | 56655    | 3JC82-8-10    | HOSE END,FEMALE SWIVEL,SEAL LOK            |
| 51265    | 8 JLO-S        | UNION TEE,ORFS                         | 56676    | 10-8 C5OLO-S  | ELBOW,90°,STRAIGHT THREAD TO ORFS          |
| 51508    | 6 BTX-S        | NUT,FLARE TUBE                         | 56776    | 471TC-6       | HOSE,3/8 INCH ID                           |
| 51580    | 12-8 TRLO-BL-S | TUBE END REDUCER,ORFS                  | 56777    | 471TC-8       | HOSE,1/2 INCH ID                           |
| 51628    | 6 R6X-S        | RUN TEE,SWIVEL NUT,ORFS                | 56789    | 811-16        | HOSE,1 INCH ID                             |
| 51735    | 3/8 HHP        | PLUG,PIPE THREAD                       | 57884    | 3/8 FF        | NIPPLE,PIPE                                |
| 51803    | 1J943-6-8      | HOSE END,90° FEMALE SWIVEL,SEAL LOK    | 59335    | 6 FNL-S       | CAP, TUBE END                              |
| 53023    | 125HBL-5-4     | FITTING,HOSE BARB TO MALE PIPE         | 59342    | 4 FNL-S       | CAP, TUBE END                              |
| 53497    | PKT02585       | O-RING KIT                             | 59371    | 8 HP5ON-S     | PLUG,STRAIGHT THREAD                       |
| 53499    | 1JC71-16-16    | HOSE END,FEMALE SWIVEL,SEAL LOK        | 60653    | BV-0751       | BALL VALVE                                 |
| 53500    | 3-904          | O-RING,STRAIGHT THREAD,-4              | 60806    | 125HB-3-4     | FITTING,HOSE BARB TO MALE PIPE             |
| 53501    | 3-906          | O-RING,STRAIGHT THREAD,-6              | 61064    | 5-1/4 F5OG-S  | ADAPTER,FEMALE PIPE TO STRAIGHT THREAD     |
| 53502    | 3-908          | O-RING,STRAIGHT THREAD,-8              | 61079    | 4 WELO-WLNL-S | UNION,90° BULKHEAD W/NUT,ORFS              |
| 53503    | 3-910          | O-RING,STRAIGHT THREAD,-10             | 61080    | 6 WLO-WLNL-S  | UNION,BULKHEAD,ORFS                        |
| 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,11/2 INCH ID                          |
| 53951    | 8-1/4F50G-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                                 |

| Figure | Rev | Description                                |
|--------|-----|--------------------------------------------|
| 805.1  | A   | Hydraulic Hose and Fitting Cross-reference |

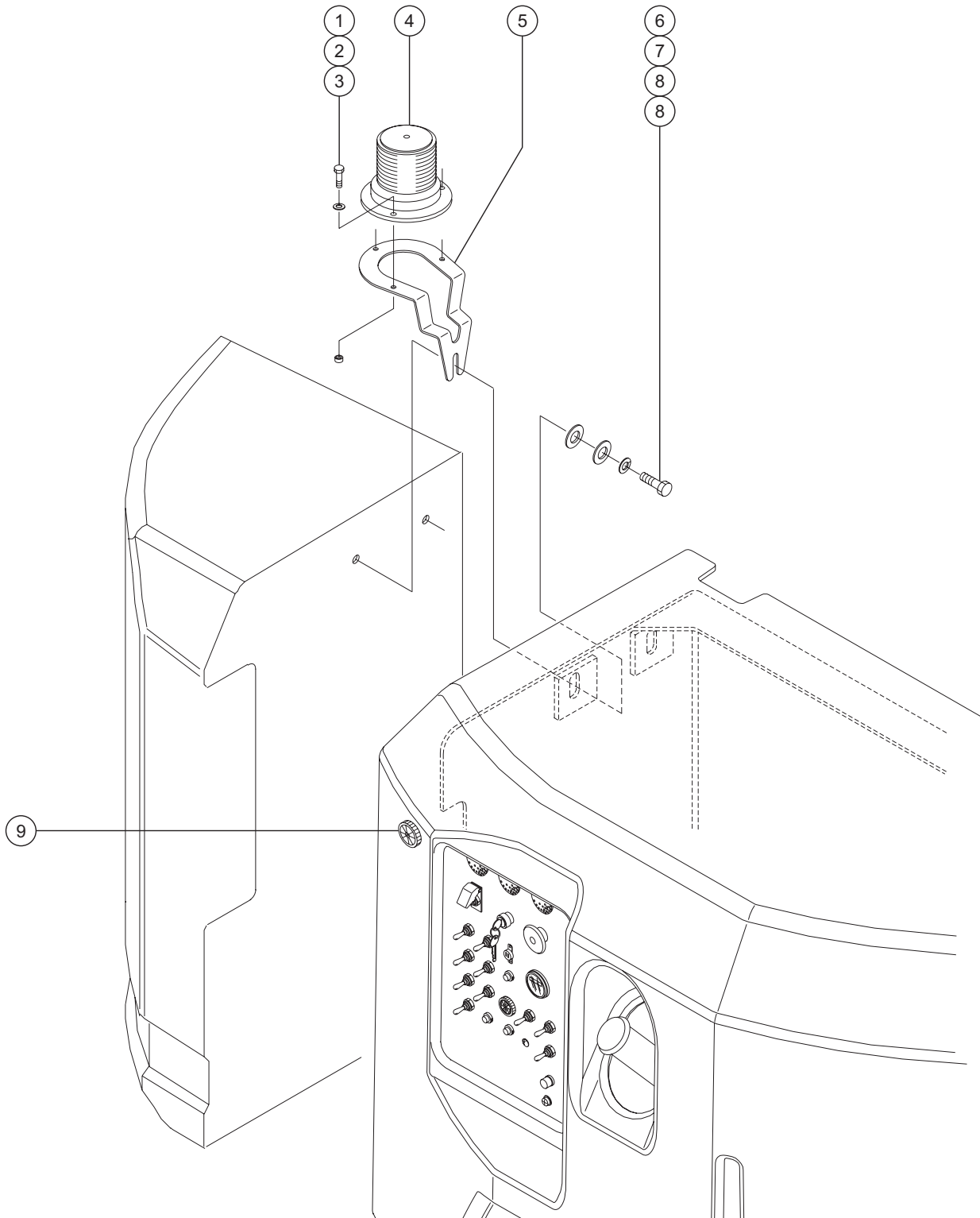
| Genie PN | Parker PN       | Description                              | Genie PN | Parker PN      | Description                                    |
|----------|-----------------|------------------------------------------|----------|----------------|------------------------------------------------|
| 61259    | 4 CC5OLO-S      | ELBOW,90° LONG,STRAIGHT THREAD TO ORFS   | 73437    | 61C-4          | NUT,COMPRESSION                                |
| 61260    | 20-12 TRLO-BL   | REDUCER,TUBE END TO SWIVEL,ORFS          | 73438    | 33482-4-4B     | HOSE END,PUSH LOK,MALE                         |
| 61262    | 12 C6LO-S       | ELBOW,90°,SWIVEL NUT ORFS                | 73767    | 1CD-S          | ELBOW,90°,MALE TO FEMALE PIPE                  |
| 61263    | 20 F5OHAO-S     | UNION,STRAIGHT THREAD                    | 73768    | 20-16-F5OG5-S  | ADAPTER,FEMALE PIPE TO STRAIGHT THREAD         |
| 61264    | 6-10 C5OLO-S    | ELBOW,90°,STRAIGHT THREAD TO ORFS        | 73769    | 16-20 F5OLO-S  | CONNECTOR,STRAIGHT THREAD TO ORFS              |
| 61265    | 6 WNLO-WLNL-S   | UNION,BULKHEAD 45°,ORFS                  | 74660    | 6-8 F42EDMLO-S | CONNECTOR,MALE BSPP TO ORFS                    |
| 61268    | 4 WNLO-WLNL-S   | UNION,BULKHEAD 45°,ORFS                  | 74661    | 8-8 F42EDMLO-S | CONNECTOR,MALE BSPP TO ORFS                    |
| 61269    | 4 WLO-WLNL-S    | UNION,BULKHEAD,ORFS                      | 75007    | 4 FLO-S        | CONNECTOR,MALE PIPE TO ORFS                    |
| 61272    | 12 AOEL6        | ELBOW,90°,STRAIGHT THREAD TO ORFS SWIVEL | 75008    | 1/8 HP-S       | PLUG,PIPE THREAD                               |
| 61316    | 482TC-16        | HOSE,1 INCH ID                           | 75014    | 1/2 HP-S       | PLUG,PIPE THREAD                               |
| 61321    | 6 JLO-S         | UNION TEE,ORFS                           | 75042    | 8 WELO-WLNL-S  | UNION,90° BULKHEAD W/NUT,ORFS                  |
| 61327    | 782-12          | HOSE,3/4 INCH ID                         | 75043    | 3/4 FF-S       | NIPPLE,PIPE                                    |
| 61328    | 881-24          | HOSE,1 1/2 INCH ID                       | 75254    | 24 F5OHAO-S    | UNION,STRAIGHT THREAD                          |
| 61336    | 11943-20-24     | HOSE END,90° FLANGE HEAD                 | 75255    | 12 F5OHAO-S    | UNION,STRAIGHT THREAD                          |
| 61345    | 12 WJJLO-WLNL-S | RUN TEE, BULKHEAD,ORFS                   | 75256    | XV5O6P-24      | BALL VALVE                                     |
| 61346    | 8 WNLO-WLNL-S 4 | UNION,BULKHEAD 45°,ORFS                  | 75574    | 4 WLNL-S       | BULKHEAD LOCKNUT                               |
| 61569    | 33782-8-8       | HOSE END,45° FEMALE SWIVEL,JIC           | 75612    | 8 WJLO-WLNL-S  | RUN TEE, BULKHEAD,ORFS                         |
| 61610    | 12 FF5OLO-S     | CONNECTOR,LONG,STRAIGHT THREAD TO ORFS   | 75613    | 12-8 F5OG5-S   | ADAPTER,FEMALE PIPE TO STRAIGHT THREAD         |
| 61742    | 1/8 X 1.5 FFF   | NIPPLE,PIPE                              | 75614    | 8 CC5OLO-S     | ELBOW,90° LONG,STRAIGHT THREAD TO ORFS         |
| 63426    | 8 PNTX-S        | PLUG,FLARE TUBE                          | 75628    | 1JB43-4-4      | HOSE END,BULKHEAD,SEAL LOK                     |
| 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 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 WLN-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 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                     |

805.1  
Hydraulic Hose and Fitting Cross-reference Rev A

| Genie PN | Parker PN     | Description                         |
|----------|---------------|-------------------------------------|
| 83057    | 33782-6-6     | HOSE END,45° FEMALE SWIVEL,JIC      |
| 83058    | 33982-6-6     | HOSE END,90° FEMALE SWIVEL,JIC      |
| 83060    | 33982-12-12   | HOSE END,90° FEMALE SWIVEL,JIC      |
| 83063    | 13743-4-4     | HOSE END,45° FEMALE SWIVEL,JIC      |
| 83064    | 13743-8-8     | HOSE END,45° FEMALE SWIVEL,JIC      |
| 83065    | 13743-12-12   | HOSE END,45° FEMALE SWIVEL,JIC      |
| 83066    | 13943-8-8     | HOSE END,90° FEMALE SWIVEL,JIC      |
| 83067    | 14143-6-6     | HOSE END,90° FEMALE SWIVEL,JIC      |
| 83068    | 14143-8-8     | HOSE END,90° FEMALE SWIVEL,JIC      |
| 83069    | 14143-12-12   | HOSE END,90° FEMALE SWIVEL,JIC      |
| 83070    | 772-8         | HOSE,1/2 INCH ID                    |
| 83071    | 10671-8-8     | HOSE END,FEMALE SWIVEL,JIC          |
| 83072    | 10671-12-12   | HOSE END,FEMALE SWIVEL,JIC          |
| 83073    | 13771-8-8     | HOSE END,45° FEMALE SWIVEL,JIC      |
| 83074    | 13771-12-12   | HOSE END,45° FEMALE SWIVEL,JIC      |
| 83075    | 13971-8-8     | HOSE END,90° FEMALE SWIVEL,JIC      |
| 83076    | 13971-12-12   | HOSE END,90° FEMALE SWIVEL,JIC      |
| 83077    | 14171-8-8     | HOSE END,90° FEMALE SWIVEL,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 HP50N-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     |

| Genie PN | Parker PN      | Description                             |
|----------|----------------|-----------------------------------------|
| 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             |
| 89449    | 6 WJJLO-WLNL-S | RUN TEE, BULKHEAD,ORFS                  |
| 89489    | 4 WJMLO-S      | BRANCH TEE,BULKHEAD,ORFS                |
| 89551    | 1JB43-6-6      | HOSE END,BULKHEAD,SEAL LOK              |
| 89552    | 1JB43-8-8      | HOSE END,BULKHEAD,SEAL LOK              |
| 89593    | 20 C5OLO-S     | ELBOW,90°,STRAIGHT THREAD TO ORFS       |
| 94161    | 8-8 CLO-S      | ELBOW,90°,MALE PIPE TO ORFS             |
| 94358    | 351TC-12       | HOSE,3/4 INCH ID                        |
| 94418    | 20 FLO-S       | CONNECTOR,MALE PIPE TO ORFS             |
| 96358    | 12 TX-S        | SLEEVE,FLARE TUBE                       |
| 96359    | 12 BTX-S       | NUT,FLARE TUBE                          |
| 96397    | 8 F5OX-S       | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE |
| 96398    | 12-8 F5OX-S    | CONNECTOR,STRAIGHT THREAD TO FLARE TUBE |
| 96402    | 10343-6-6      | HOSE END,MALE,JIC                       |
| 96407    | 30382-6-6B     | HOSE END,MALE,JIC                       |

| Figure | Rev | Description              |
|--------|-----|--------------------------|
| 901.1  | A   | Alarm and Beacon Package |

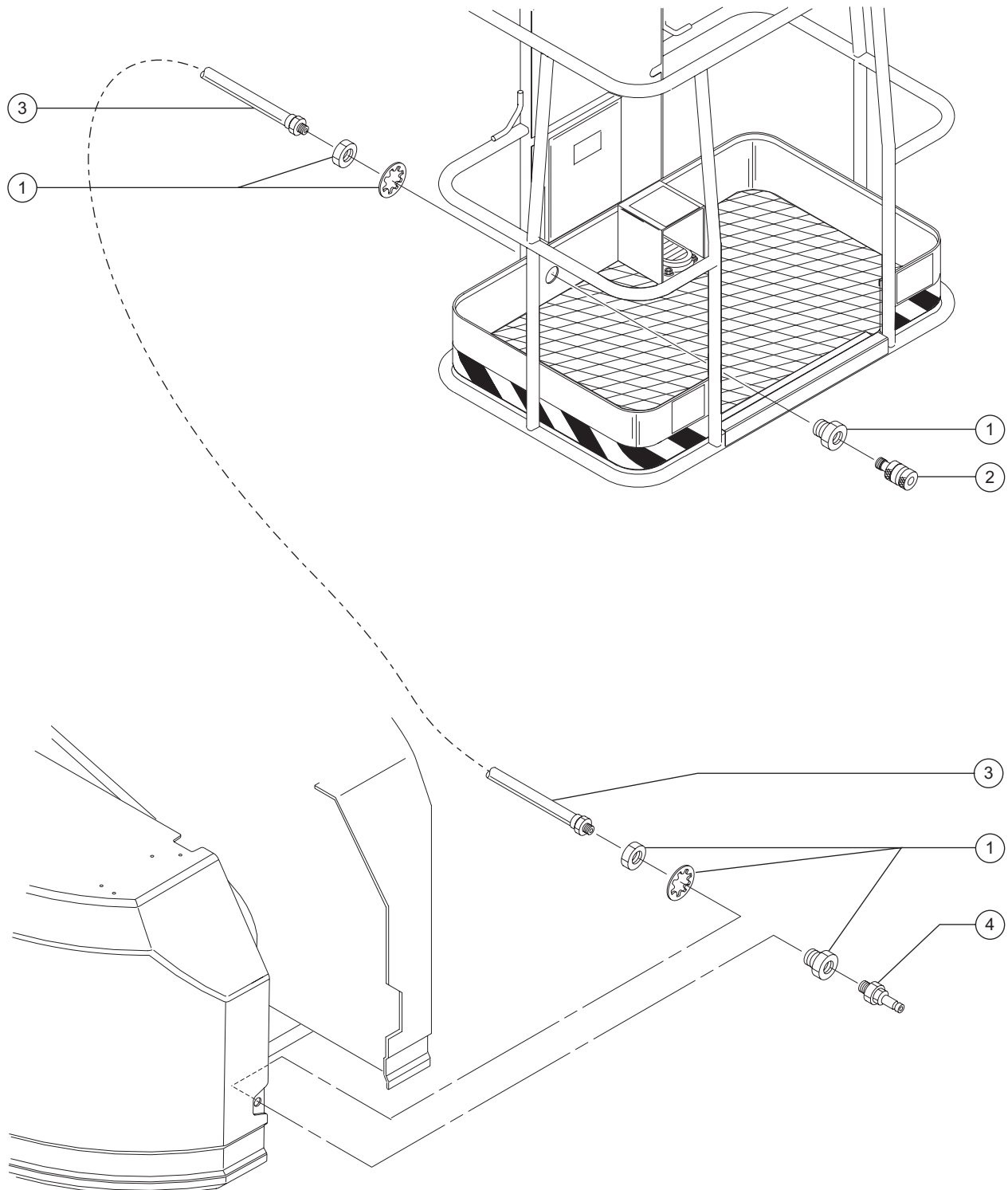


**Genie**  
A TEREX COMPANY

901.1  
Alarm and Beacon Package Rev A

| Item | Part No. | Description                                              | Qty. |
|------|----------|----------------------------------------------------------|------|
| —    | 52964    | Alarm and Beacon Package - Complete                      |      |
| 1    | 49826    | Screw - PHM, 10-32 x 0.625 inch, GR 2 .....              | 3    |
| 2    | 6607     | Lock Washer, No. 10, Plated .....                        | 3    |
| 3    | 23405    | Nutsert, 10-32 .....                                     | 3    |
| 4    | 20189    | Beacon Light - Strobe, Amber, 12 - 72V DC .....          | 1    |
| 5    | 62694    | Beacon Light Mount (includes item 3) .....               | 1    |
| 6    | 6019     | Screw - HHC, $\frac{3}{8}$ -16 x 1.25 inches, GR 5 ..... | 2    |
| 7    | 6021     | Lock Washer, $\frac{3}{8}$ inch .....                    | 2    |
| 8    | 15086    | Flat Washer, $\frac{3}{8}$ inch .....                    | 4    |
| 9    | 45462    | Intermittent Tone Alarm, 5 - 25V DC .....                | 1    |

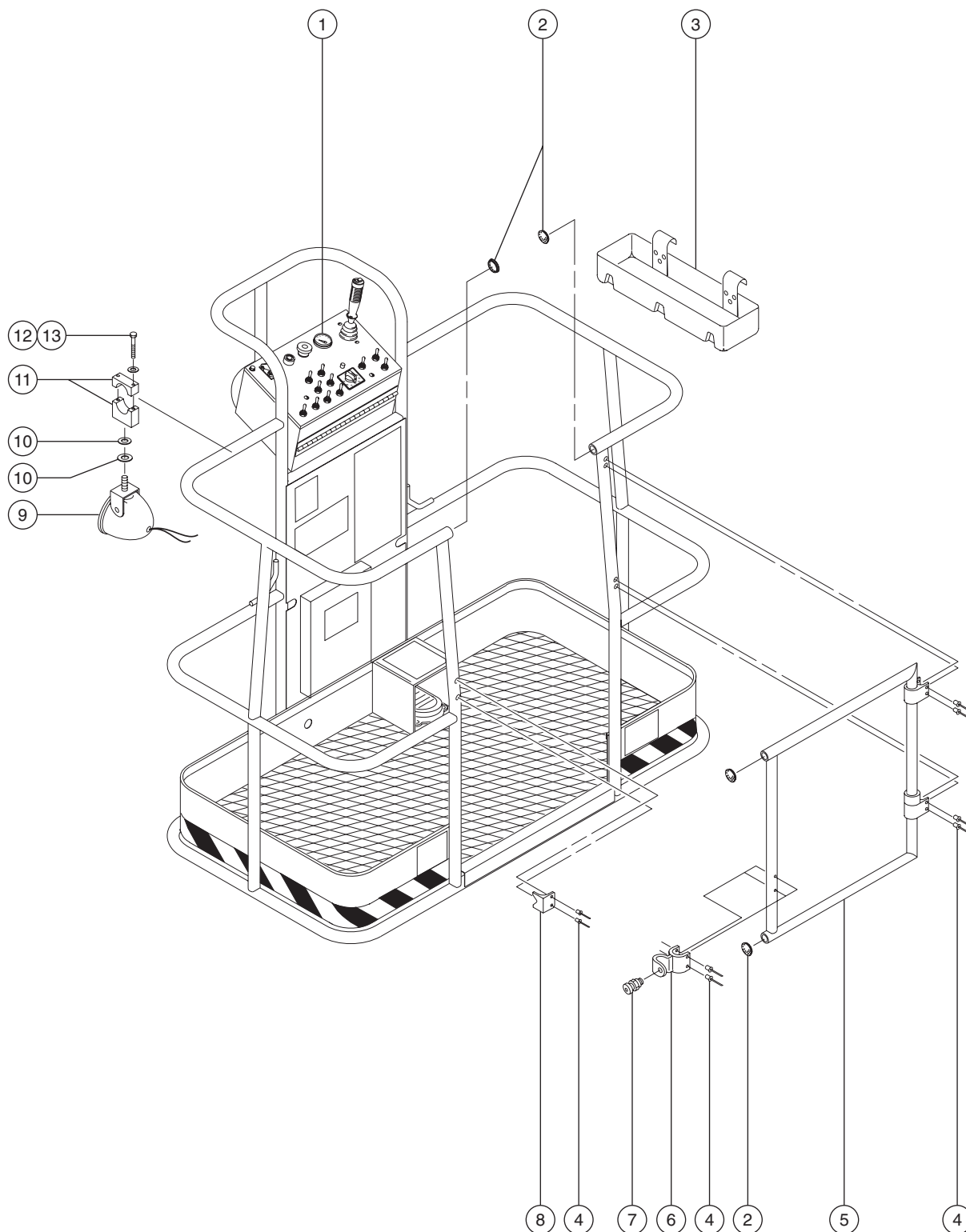
| Figure | Rev | Description         |
|--------|-----|---------------------|
| 902.1  | A   | Airline to Platform |



902.1  
Airline to Platform Rev A

| Item | Part No. | Description                                     | Qty. |
|------|----------|-------------------------------------------------|------|
| —    | 36514    | Airline to Platform Option - Complete           |      |
| 1    | 27900    | Fitting - Female Bulkhead Adapter, 10 MPT ..... | 2    |
| 2    | 27895    | Coupler - Quick Disconnect .....                | 1    |
| 3    | 52960    | Air Line Assembly with Fittings .....           | 1    |
| 4    | 27894    | Plug - Male Quick Disconnect .....              | 1    |

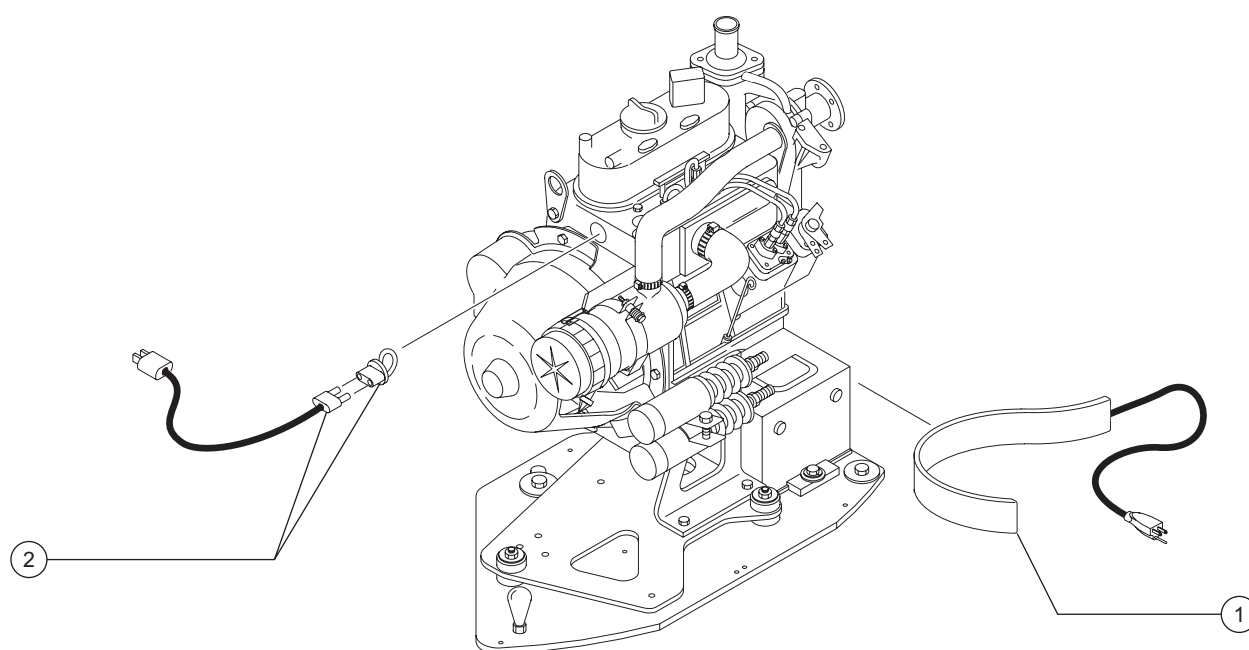
| Figure | Rev | Description      |
|--------|-----|------------------|
| 903.1  | B   | Platform Options |



**Genie**  
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| Item | Part No. | Description                                             | Qty. |
|------|----------|---------------------------------------------------------|------|
| —    | 34151    | Worklight, 48V DC - Complete                            |      |
| —    | 36516    | LVI/BCI, 48V DC - Complete                              |      |
| —    | 107610   | Swing Gate - Complete                                   |      |
| 1    | 42994    | LVI/BCI, 48V DC .....                                   | 1    |
| 2    | 55753    | Black End Cap, 1.2 inches .....                         | 4    |
| 3    | 9599-S   | Tool Tray .....                                         | 1    |
| 4    | 7265     | Steel Rivet, 0.375 x 0.25 inch .....                    | 8    |
| 5    | 107609   | Swing Gate .....                                        | 1    |
| 6    | 1487     | Gate Latch .....                                        | 1    |
| 7    | 63311    | Snap Pin .....                                          | 1    |
| 8    | 1488     | Railing Catch .....                                     | 1    |
| 9    | 35959    | Worklight, 48V DC .....                                 | 1    |
| 10   | 6036     | Lock Washer, $\frac{5}{8}$ inch                         |      |
| 11   | 35956    | Worklight Mount Bracket .....                           | 1    |
| 12   | 6145     | Screw - HHC, $\frac{1}{4}$ -20 x 1.5 inches, GR 5 ..... | 2    |
| 13   | 6356     | Lock Washer, $\frac{1}{4}$ inch                         |      |

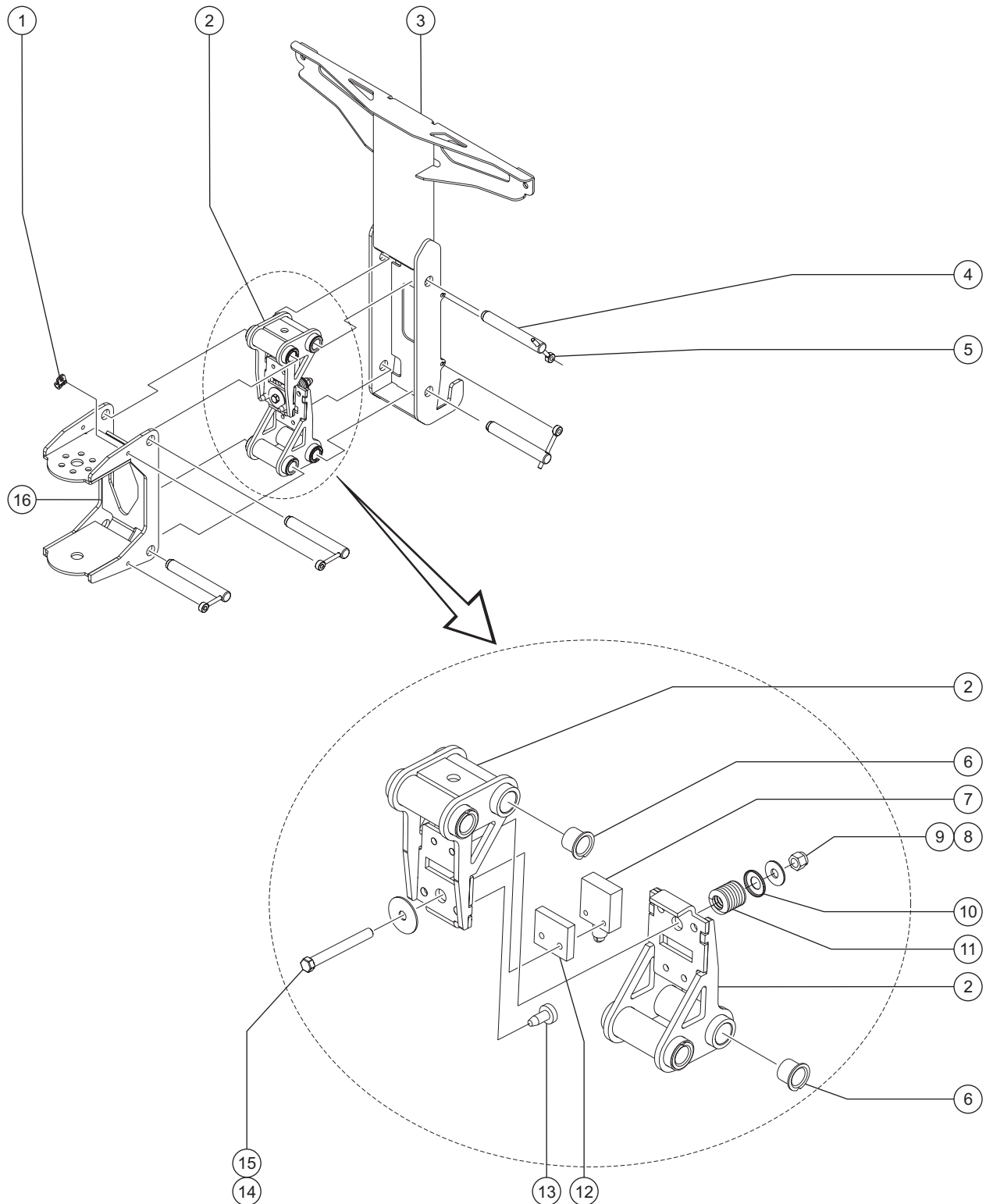
| Figure | Rev | Description        |
|--------|-----|--------------------|
| 904.1  | B   | Cold Start Package |



904.1  
Cold Start Package Rev B

| Item | Part No. | Description                                                         | Qty. |
|------|----------|---------------------------------------------------------------------|------|
| —    | 42536    | Cold Start Package (before serial number 4474)                      |      |
| —    | 70707    | Cold Start Package (after serial number 4473)                       |      |
| 1    | 28853    | Battery Blanket, 110V AC, 60Hz ..                                   | 1    |
| 2    | 42537    | Freeze Plug Heater, 110V AC, 60Hz (before serial number 4474) ..... | 1    |
| —    | 70683    | Freeze Plug Heater, 110V AC, 60Hz (after serial number 4473)        |      |

| Figure | Rev | Description       |
|--------|-----|-------------------|
| 905.1  | A   | Platform Overload |



**Genie**  
A TEREX COMPANY

Z-34/22N • Z-34/22 DC • Z-34/22 Bi-Energy

Part No. 106046

905.1  
Platform Overload Rev A

| Item | Part No. | Description                                    | Qty. |
|------|----------|------------------------------------------------|------|
| 1    | 45470    | Rubber Cushioned Clamp .....                   | 1    |
| 2    | 94191    | Load Support .....                             | 2    |
| 3    | 56500-S  | Platform Support .....                         | 1    |
| 4    | 61726    | Pivot Pin, 0.75 x 5.75 inches .....            | 4    |
| 5    | 45748    | Rod End, 0.25 x 2.75 inches .....              | 4    |
| —    | 8915     | Screw - HHC, 1/4 -20 x 1.25 inches, GR 5       |      |
| —    | 6091     | Nylock Nut, 1/4 -20                            |      |
| 6    | 94175    | Flanged Bearing, 0.75 x 0.875 x 0.5 inch ..... | 8    |
| 7    | 61973    | Limit Switch .....                             | 1    |
| —    | 51063    | Screw - RHM, 10-32 x 1.5 inches                |      |
| —    | 6146     | Flat Washer, #10                               |      |
| —    | 6178     | Nylock Nut, 10-32                              |      |
| 8    | 4828     | Nylock Nut, 3/8 -16                            |      |
| 9    | 6097     | Flat Washer, 3/8 inch                          |      |
| 10   | 61975    | Spring Retainer .....                          | 1    |
| 11   | 61974    | Compression Spring .....                       | 1    |
| 12   | 61972    | Switch Mount .....                             | 1    |
| 13   | 34619    | Rubber Bumper .....                            | 2    |
| 14   | 21604    | Screw - HHC, 3/8 -16 x 3.25 inches, GR5        |      |
| 15   | 80605    | Flat Washer, 0.375 x 1.5 x 0.125 inch          |      |
| 16   | 94176    | Rotator Support .....                          | 1    |

# 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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