



TRAILER MOUNTED PUMP MODEL A30 ILLUSTRATED PART MANUAL

A30
PARTS
GROUP 00
FIGURE 00
PAGE 01

REED TRAILER MOUNTED CONCRETE PUMP MODEL **A30** ILLUSTRATED PARTS MANUAL CONTAINS THE FOLLOWING GROUPS AND FIGURES:

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- FIGURE 02** HOW TO ORDER PARTS

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| | |
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TRAILER MOUNTED PUMP MODEL A30 HOW TO USE PART MANUAL

A30
PARTS
GROUP 00
FIGURE 01
PAGE 01

I. PURPOSE

This parts manual is prepared, issued and/or revised by **REED** Manufacturing, for the exclusive use of its customers and is intended for use in provisioning, requisitioning, storing and issuing replaceable **REED** trailer mounted pump model **A30**. The contents are proprietary to **REED** and are subject to change without notice. The use of any part of this document by any other person or persons or for any other purpose without the written consent of **REED** is expressly prohibited. In addition, **REED** expressly disclaims any and all responsibility arising in or any way related to such **REED's** prior written consent thereto.

The parts number content of this document, arrangement and breakdown sequence of items is compatible with Military Standard (**MS**) and Air Transport Association Specification (**ATA**).

II. GENERAL SYSTEM OF ASSEMBLY ORDER – Detailed Parts List (Refer to Next Page)

1. This area refers to the corresponding illustration

MODEL – GROUP – FIGURE – PAGE

A. **MODEL** shows which is **REED's** model number.

B. **GROUP** should be divided with:

| | |
|----|-------------------------------|
| 00 | MODEL A30 PARTS MANUAL |
| 10 | FINAL INSTALLATION |
| 20 | HOPPER INSTALLATION |
| 30 | TANK INSTALLATION |
| 40 | POWER TRAIN INSTALLATION |
| 50 | CONTROL INSTALLATION |
| 60 | PUMPING TRAIN INSTALLATION |
| 70 | FRAME INSTALLATION |
| 80 | OPTIONAL INSTALLATION |

C. **FIGURE** belong to the group. Please see page of contents and each group.

D. **PAGE** numbers follow to the right of each figure number.

2. The **ITEM NUMBER** corresponds to the item number shown for the part in illustration. Parts with item number preceded by a dash (such as: -1, -5, -12 etc.) are not illustrated.

3. **PARTS NUMBERS** that carry a **REED** part number.

| 2 | 3 | 4 | 5 | 1 |
|--|------------------|---|-----|---|
| <div><div>REED</div><div>DUAL SHIFT SWING VALVE ASSEMBLY</div><div>01 B40 PARTS GROUP 60 FIGURE 04 PAGE 02</div></div> | | | | |
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY | |
| -1 | 60-04 | Assembly, Dual Shift Swing Valve (See Group 60, Figure 02 for NHA) | Ref | |
| -2 | 86321 | • Assembly, Outlet Group | 1 | |
| 3 | | • • Nut | 6 | |
| 4 | 72482 | • • Outlet, Machine 5" | 1 | |
| 5 | | • • Fitting, Grease | 2 | |
| 6 | 79895 | • • Kit, Outlet Seal | 1 | |
| 7 | 77761 | • • • O-Ring, Large | 1 | |
| 8 | 77762 | • • • O-Ring, Small | 1 | |
| 9 | 86504 | • • • Seal, Modified Outlet Thick | 1 | |
| 10 | 77763 | • • • Band, Guide | 1 | |
| 11 | 77765 | • • • Seal, Outlet Thick | 1 | |
| 12 | 72309 | • • Housing, Outlet Seal | 1 | |
| 13 | | • • Bolt, Hex | 6 | |
| 14 | | • • Nut, Nylock (attaching parts) | 6 | |
| 15 | | • • Washer, Lock (attaching parts) | 6 | |
| 16 | 70042 | • • Outlet, Chromed | 1 | |
| 17 | | • • Bolt, Hex (attaching parts) | 6 | |
| -18 | 86317 | • Assembly, Swing Tube Group | 1 | |
| 19 | 85965 | • • Weldment, Harsh Swing Tube | 1 | |
| 20 | 86065 | • • Seal, 6 Inch Single Lip | 1 | |
| 21 | 72310 | • • Ring, 6 Inch Single Lip Wear | 1 | |
| 22 | 86031 | • • Plate, Wear | 1 | |
| 23 | 86086 | • • Ring, Anti Chip | 2 | |
| 24 | | • • Bolt, Flat Head | 4 | |
| 25 | | • • Washer, Lock | 4 | |
| 26 | | • • Nut, Hex | 4 | |
| 27 | | • • Bolt, Hex | 6 | |
| 28 | | • • Washer, Lock | 6 | |
| 29 | 85962 | • • Seal, Flange Bearing | 1 | |
| 30 | | • • Pin, Dowel | 1 | |
| 31 | | • • Fitting, Grease 90 | 2 | |
| 32 | 85133 | • • Bearing, 3 Inch Spline Flange | 1 | |
| 33 | 85294 | • • Washer, Thrust | 1 | |
| 34 | 85134 | • • Spacer, Swing Tube Nut | 1 | |
| 35 | 70825 | • • Nut, Swing Tube | 1 | |
| 36 | | • • Pin Cotter | 1 | |
| -37 | 86320 | • Assembly, Swing Tube Dual Shift Group | 1 | |
| 38 | | • • Plug, Pipe | 4 | |
| 39 | 86052 | • • Pin, Spring | 4 | |
| 40 | | • • Fitting, Grease 90 | 2 | |
| 41 | 86441 | • • Retainer, Swing Ram | 2 | |
| DASH (-) ITEM NOT ILLUSTRATED | | | | |
| REVISION: | | | | |
| 2 | 3 | 4 | 5 | |

4. DESCRIPTION

- A. The **INDENTURE SYSTEM** used in the parts list shows the relationship of one part to another. For a given item, the number of indentures depicts the relationship of the item to the components of the item as follows:

1 2 3 4 5

Assembly (or Installation)

- **Detail part of assembly**
- **Sub-assembly**
- **Attaching parts for sub-assembly**
- • **Detail part of sub-assembly**
- • **Sub-sub-assembly**
- • **Attaching parts for sub-sub-assembly**
- • • **Detail part of sub-sub-assembly**
- • • **Sub-sub-sub-assembly**
- • • **Attaching parts of sub-sub-sub-assembly**
- • • • **Detail part of sub-sub-sub-assembly**

- B. "See Group 60, Figure 02 For **NHA**"
Identifies the illustrated parts chapter location; indicates where the Next Higher Assembly (**NHA**) of the item shown.
- C. "See Group 60, Figure 07 For **DET**"
Identifies the illustrated parts chapter location; indicates where the item and its Detailed Breakdown (**DET**) is shown.
- D. "See Group 30, Figure 05 for **REF**" or "See Vendor Chapter For **REF**"
Identifies the illustrated parts chapter where the part is, and if listed and illustrated in Vendor Chapter. It is used as a cross-reference (**REF**).

5. QUANTITY

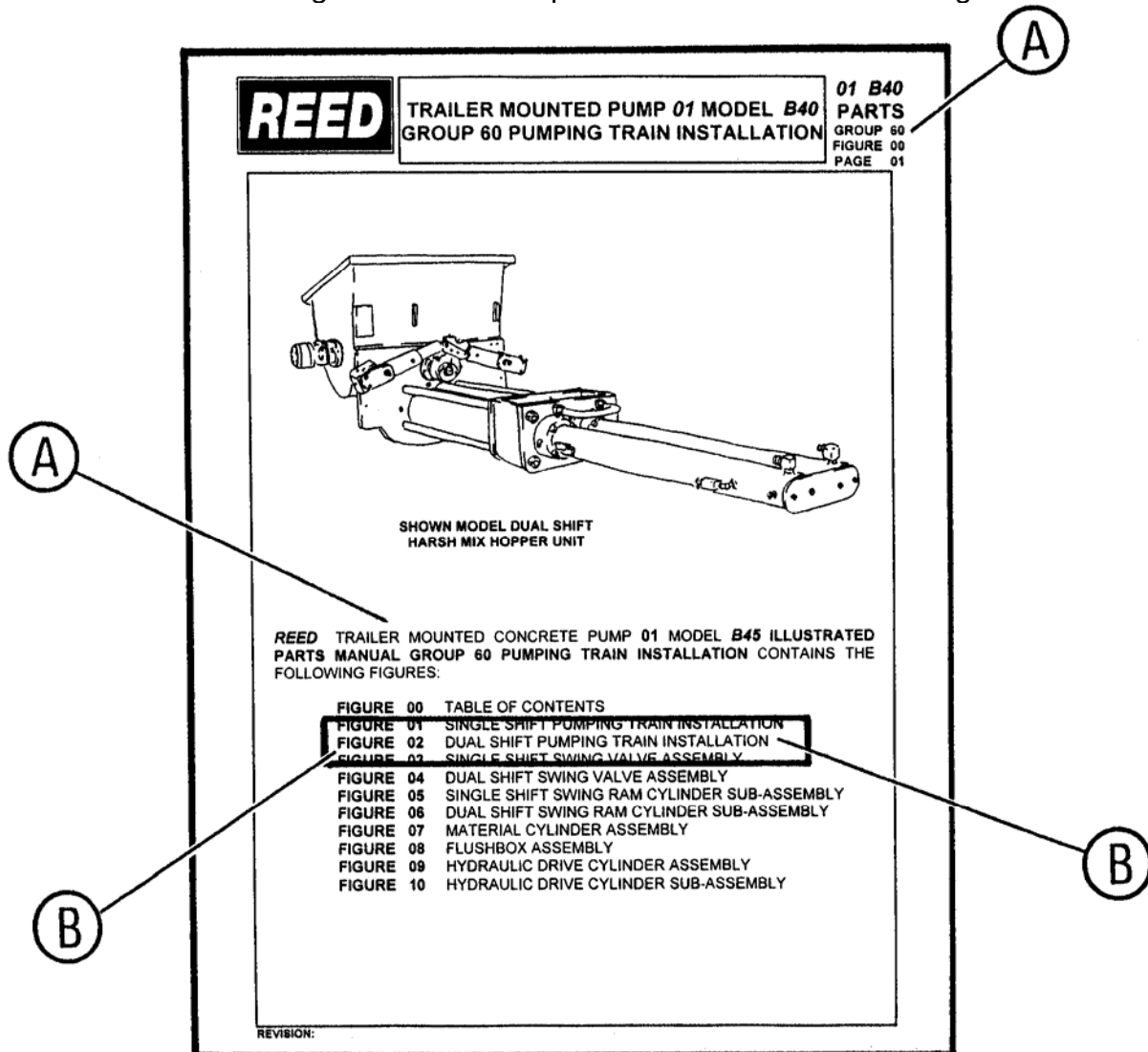
- A. Reference (**REF**) indicates the items that is listed previously in the Next Higher Assembly (**NHA**) and then again in this figure.
- B. As Required (**A/R**) indicates the parts that is used in a quantity as required.
- C. A number entry indicates the quantity of the part used in its next higher application.

6. Functionally related assemblies are illustrated in phantom (— — —) but not listed on the detail parts list page.

1. Always give serial number and model of **REED** trailer mounted concrete pump model **A30**. (Refer to each unit name plate shown below). NOTE: This manual is being released to cover unit starting with serial number **3-04-1-2131** to current production. Some components used on earlier units differ from current productions. Where this occurs, the part is identified by a serial number.

| | | | |
|---|--|--|--|
| REED 13822 OAKS AVENUE CHINO, CA 91710 USA | | PHONE (909) 287 - 2100 FAX (909) 287 - 2140 | |
| MODEL | | SERIAL NO | |
| MATERIAL PRESSURE | | PSI | |
| HYDRAULIC PRESSURE | | PSI | |
| ENGINE / PTO ELECTRIC MOTOR | | RPM | |
| VOLTS | | | |
| PN 36636 | | | |

2. Always specify part number and complete name of parts ordered.
 - A. Turn to table of content in the desired Installation. Refer to main group in which part should be listed.
 - B. Find title of figure in which the part should be shown. Note figure number.



REED 01 B40
PARTS
GROUP 80
FIGURE 04
PAGE 01

DUAL SHIFT SWING VALVE ASSEMBLY

REED 01 B40
PARTS
GROUP 80
FIGURE 04
PAGE 02

DUAL SHIFT SWING VALVE ASSEMBLY

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| -1 | 60-04 | Assembly, Dual Shift Swing Valve (See Group 80, Figure 02 for NHA) | Ref |
| -2 | 86321 | • Assembly, Outlet Group | 1 |
| 3 | | • Nut | 6 |
| 4 | 72482 | • Outlet, Machine 5" | 1 |
| 5 | | • Fitting, Grease | 2 |
| 6 | 79895 | • Kit, Outlet Seal | 1 |
| 7 | 77761 | • O-Ring, Large | 1 |
| 8 | 77762 | • O-Ring, Small | 1 |
| 9 | 86504 | • Seal, Modified Outlet Thick | 1 |
| 10 | 77763 | • Band, Guide | 1 |
| 11 | 77765 | • Seal, Outlet Thick | 1 |
| 12 | 72309 | • Housing, Outlet Seal | 1 |
| 13 | | • Bolt, Hex | 6 |
| 14 | | • Nut, Nylock (attaching parts) | 6 |
| 15 | | • Washer, Lock (attaching parts) | 6 |
| 16 | 70042 | • Outlet, Chromed | 1 |
| 17 | | • Bolt, Hex (attaching parts) | 6 |
| -18 | 86317 | • Assembly, Swing Tube Group | 1 |
| 19 | 85965 | • Weldment, Harsh Swing Tube | 1 |
| 20 | 86085 | • Seal, 6 Inch Single Lip | 1 |
| 21 | 72310 | • Ring, 6 Inch Single Lip Wear | 1 |
| 22 | 86031 | • Plate, Wear | 1 |
| 23 | 86086 | • Ring, Anti Chip | 2 |
| 24 | | • Bolt, Flat Head | 4 |
| 25 | | • Washer, Lock | 4 |
| 26 | | • Nut, Hex | 4 |
| 27 | | • Bolt, Hex | 6 |
| 28 | | • Washer, Lock | 6 |
| 29 | 85962 | • Seal, Flange Bearing | 1 |
| 30 | | • Pin, Dowel | 1 |
| 31 | | • Fitting, Grease 90 | 2 |
| 32 | 86733 | • Bearing, 3 Inch Spine Flange | 1 |
| 33 | 85294 | • Washer, Thrust | 1 |
| 34 | 86784 | • Spacer, Swing Tube Non | 1 |
| 35 | 70625 | • Nut, Swing Tube | 1 |
| 36 | | • Pin Cotter | 1 |
| -37 | 86320 | • Assembly, Swing Tube Dual Shift Group | 1 |
| 38 | | • Plug, Pipe | 4 |
| 39 | 86052 | • Pin, Spring | 4 |
| 40 | | • Fitting, Grease 90 | 2 |
| 41 | 86441 | • Retainer, Swing Ram | 2 |

DASH (-) ITEM NOT ILLUSTRATED

C

Turn to corresponding page, find the group and figure.

E

Check your required part and its attaching parts and match with illustration page.

E

Refer to corresponding item number in the part list page.
Part numbers are located in the part number column.

F When ordering variable or optional miscellaneous parts which are not found this in parts chapter, follow the above outlined procedure of how to order parts.

- 1). When applicable, give model and serial number of the component for which parts are desired.
- 2). In a specific, difficult to describe situation, a marked-up photograph or detailed sketch would be helpful.

REVISION:



TRAILER MOUNTED PUMP MODEL A30 HOW TO ORDER PARTS

A30
PARTS
GROUP 00
FIGURE 02
PAGE 03

3. Do not designate quantity by "set". State specifically how many parts are wanted.
4. Always give complete address and full shipping instructions. Specify shipping instructions, truck freight, air freight. United Parcel Service (UPS), or Air Borne Express and DHL are available in designated areas.

5. TO ORDER

A. BY MAIL

Attention: Parts Department
REED LLC
13822 Oaks Avenue
Chino, CA. 91710 - 7008

B. BY FAX

(909) 287 - 2141

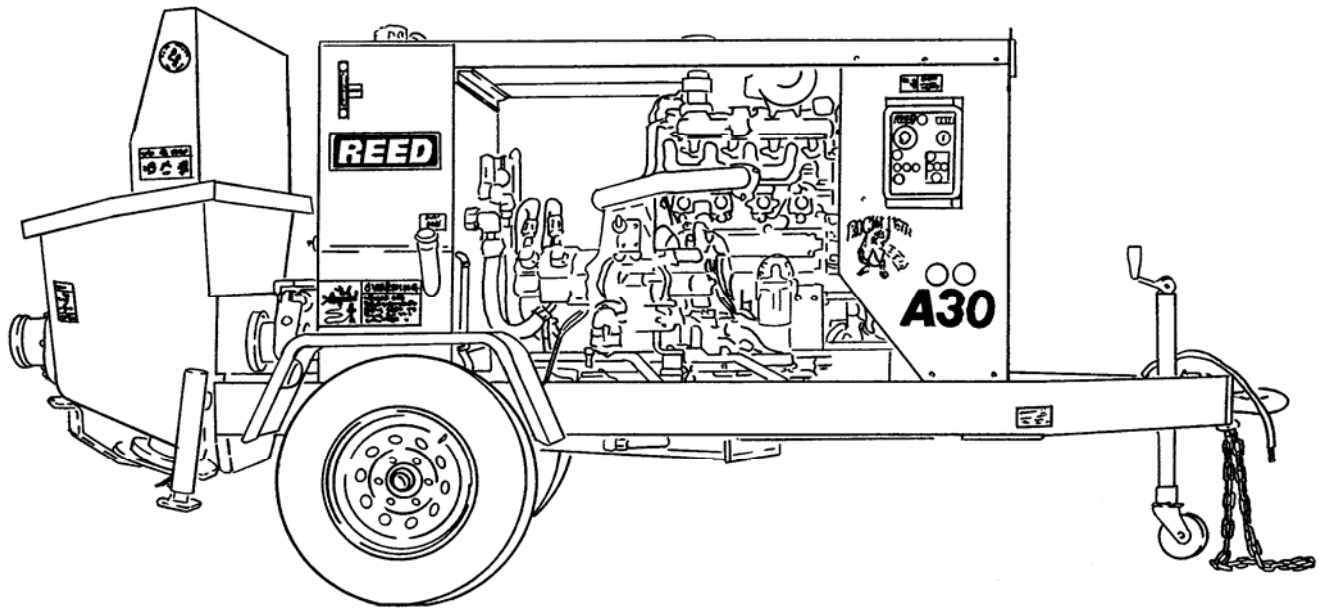
C. BY PHONE

(909) 287 - 2100

6. Parts return without authorization will not be accepted. If it is necessary to return parts for any reason, written authorization may be obtained from **REED** Parts Department, Chino, CA. 91710-7008. A Parts Return Authorization form is provided when **REED** deems its necessary to have the part returned for evaluation. The form is issued by the Warranty of Parts Department of **REED**.
 - A. The form will be filled by **REED** unless requesting necessary information and you will receive a copy as well as shipping tag.
 - B. Attach shipping tag to part insert return original invoice.
 - C. Ship part to **REED PREPAID**.
 - D. Part must be returned to **REED** within 30 days from date of authorization.

**REED TRAILER MOUNTED CONCRETE PUMP MODEL A30 ILLUSTRATED PARTS
MANUAL GROUP 10 FINAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:**

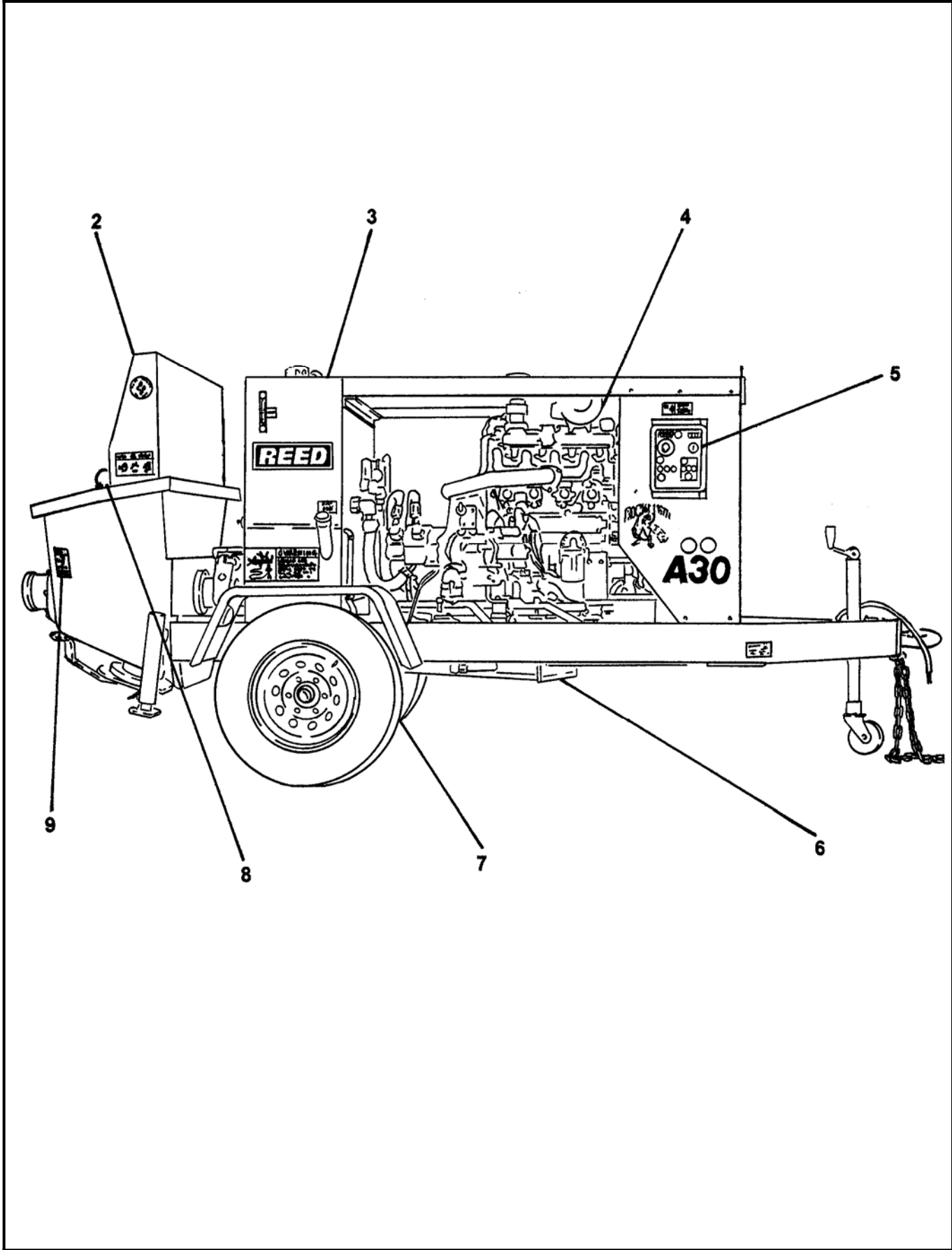
| | |
|------------------|---------------------------|
| FIGURE 00 | TABLE OF CONTENTS |
| FIGURE 01 | FINAL INSTALLATION |
| FIGURE 02 | DECAL ASSEMBLY |





FINAL INSTALLATION

A30
PARTS
GROUP 10
FIGURE 01
PAGE 01



REVISION:



FINAL INSTALLATION

A30
PARTS
GROUP 10
FIGURE 01
PAGE 02

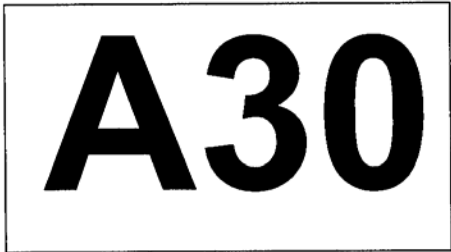
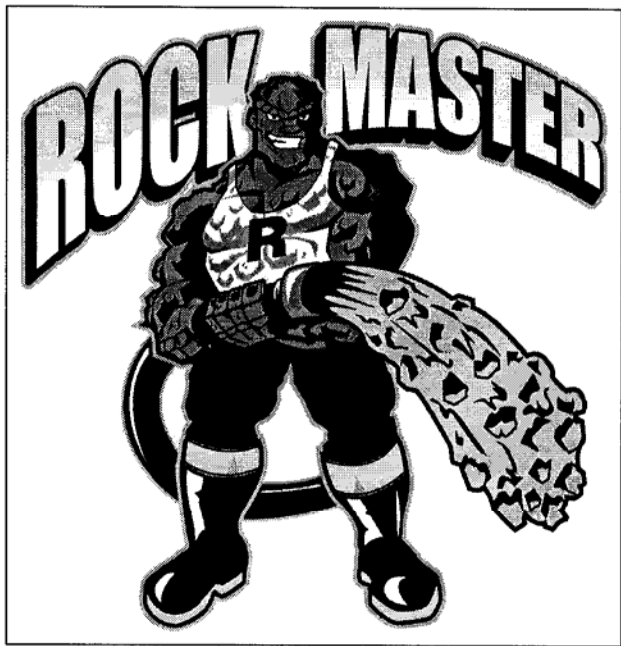
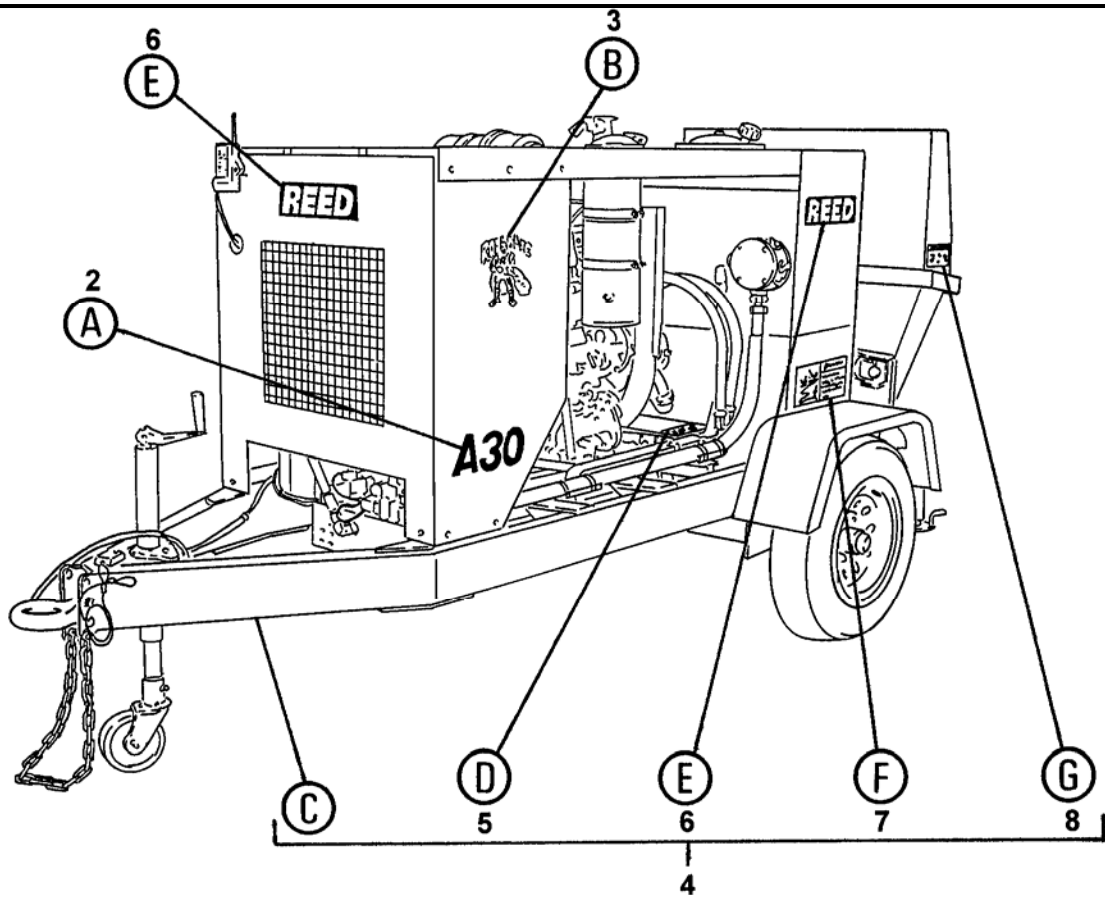
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | A30-V02 | Installation, A30 Final | Ref |
| 2 | 20-01 | • Installation, Hopper (See Group 20, Figure 01 for DET) | 1 |
| 3 | 30-01 | • Installation, Tank (See Group 30, Figure 01 for DET) | 1 |
| 4 | 40-01 | • Installation, Power Train (See Group 40, Figure 01 for DET) | 1 |
| 5 | 50-01 | • Installation, Control (See Group 50, Figure 01 for DET) | 1 |
| 6 | 60-01 | • Installation, Pumping Train (See Group 60, Figure 01 for DET) | 1 |
| 7 | 70-01 | • Installation, Frame (See Group 70, Figure 01 for DET) | 1 |
| 8 | 80-01 | • Installation, Optional (See Group 80, Figure 01 for DET) | 1 |
| 9 | BW46000 | • Group, A30 Decal (See Group 10, Figure 02 for DET) | 1 |

REVISION:



DECAL ASSEMBLY

A30
PARTS
GROUP 10
FIGURE 02
PAGE 01

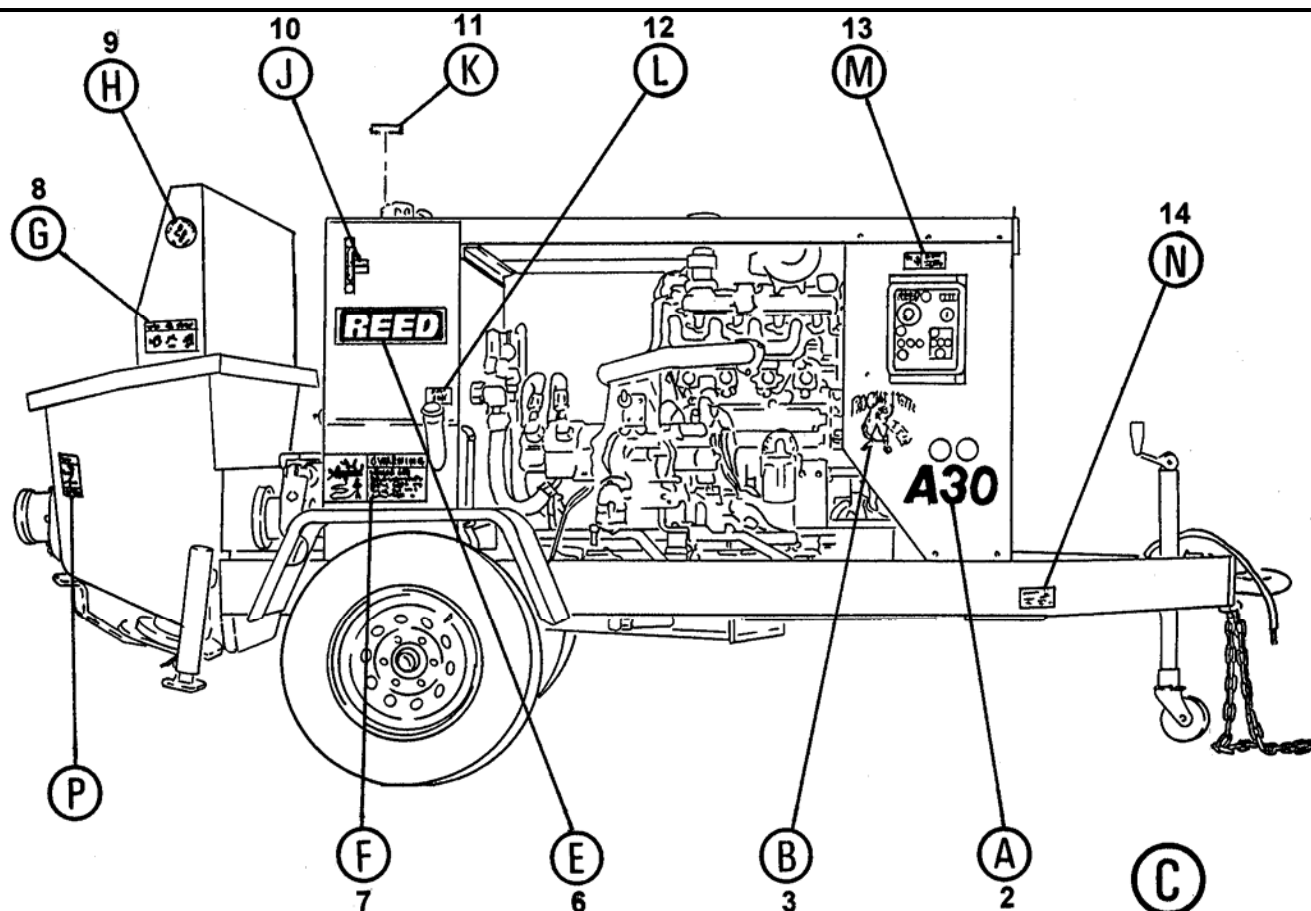


(B)

3

2

(A)



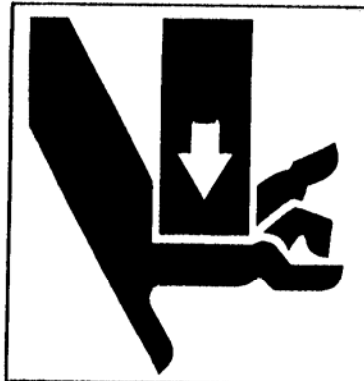
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | | | | | QTY |
|----------|------------------|--|---|---|---|---|-----|
| | | 1 | 2 | 3 | 4 | 5 | |
| -1 | BW46000 | Group, A30 Decal (See Group 10, Figure 01 for NHA) | | | | | Ref |
| 2 | BW10127 | • Decal, A30 | | | | | 2 |
| 3 | BW10100 | • Decal, A30 7 1/4 X 7 Inch ROCKMAN | | | | | 2 |
| 4 | BW10121 | • Kit, A-Series Decal | | | | | 1 |
| 5 | 800916 | • • Decal, Warning, Keep Hand Out of Water Box | | | | | 1 |
| 6 | BW10128 | • • Decal, REED 4 1/4 X 12 1/2 Inch | | | | | 3 |
| 7 | 800924 | • • Decal, Warning, This Machine is Remote Controlled and | | | | | 2 |
| 8 | 800929A | • • Decal, Warning | | | | | 2 |
| 9 | 800931 | • • Decal, ACPA Member | | | | | 1 |
| 10 | 85844 | • • Decal, Oil Level | | | | | 1 |
| 11 | 75020 | • • Decal, Hydraulic Oil | | | | | 1 |
| 12 | 75017 | • • Decal, Diesel Fuel Only | | | | | 1 |
| 13 | 800926 | • • Decal, Warning, Do Not Operate This Machine without | | | | | 1 |
| 14 | 86636 | • • Nameplate, REED , Serial No. | | | | | 1 |
| 15 | 800921 | • • Decal, Warning, Do Not Operate at Pressures Exceeding | | | | | 1 |
| 16 | 73132 | • • Decal, REED 4 1/2 Inch | | | | | 1 |
| 17 | 800922 | • • Decal, Warning, Before Opening a Blocked Pipeline | | | | | 1 |
| 18 | 800918 | • • Decal, Warning, Do Not Stand on Hopper Grate | | | | | 2 |

DASH (-) ITEM NOT ILLUSTRATED



DECAL ASSEMBLY

A30
PARTS
GROUP 10
FIGURE 02
PAGE 03



WARNING

Keep hands out of
waterbox.
Stop engine/motor if
access is required.
Keep guards in place.

800916

5
Ⓓ

6
Ⓔ



WARNING

This machine is
remote controlled and
may start at any time.
Stop engine before
servicing unit.

800924

7
Ⓕ



(G)

8



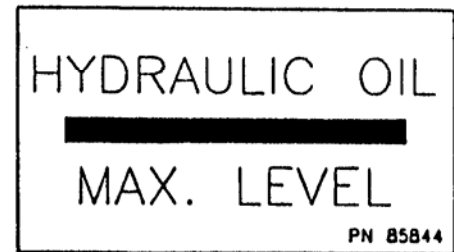
9

(H)



13

(M)



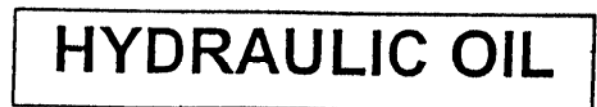
10

(J)



12

(L)



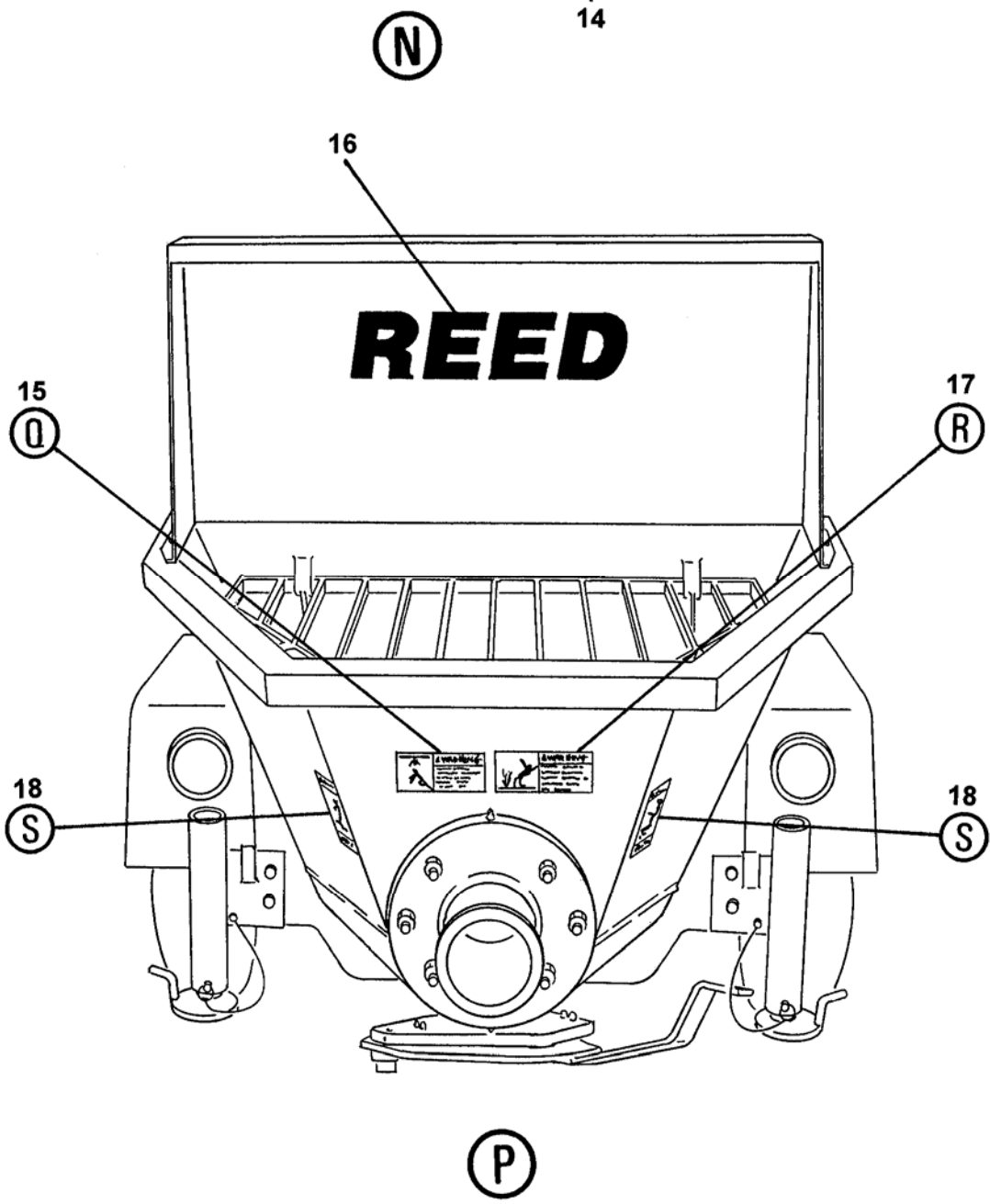
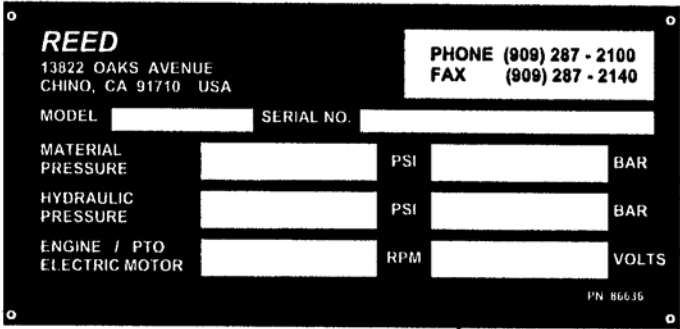
11

(K)



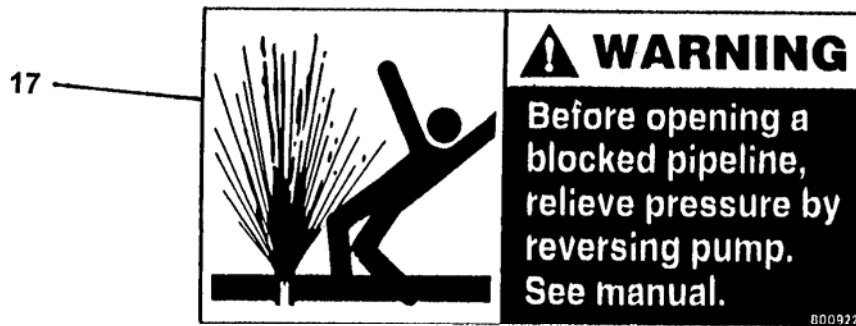
DECAL ASSEMBLY

A30
PARTS
GROUP 10
FIGURE 02
PAGE 05





Q



R



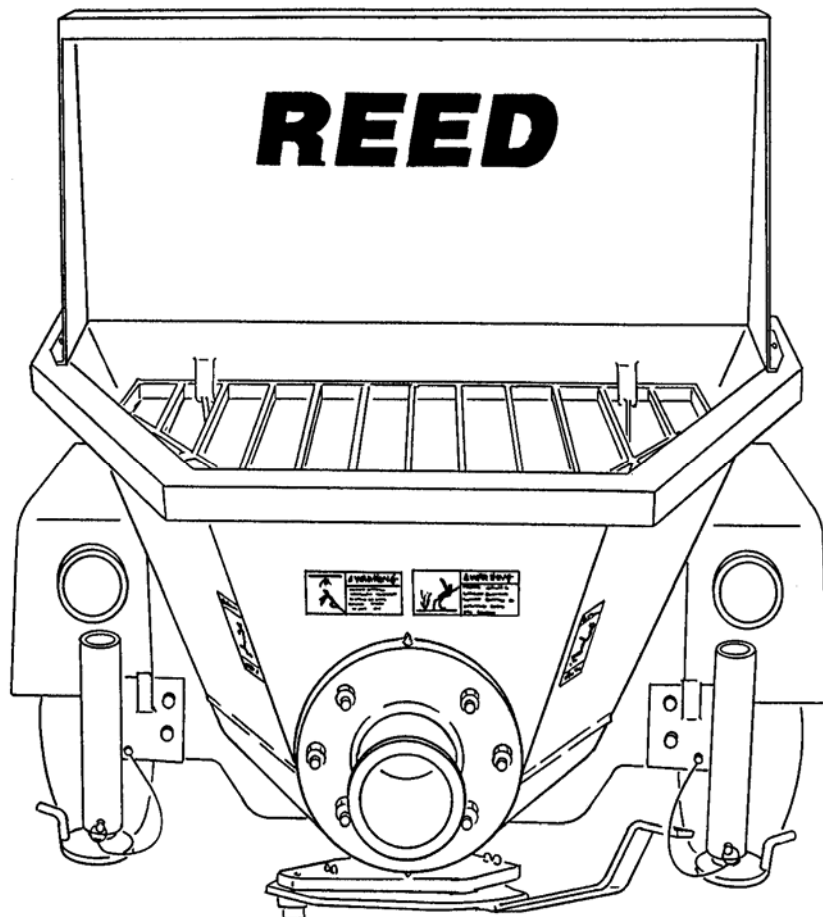
S

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | BW46000 | Group, A30 Decal (See Group 10, Figure 01 for NHA) | Ref |
| 2 | BW10127 | • Decal, A30 | 2 |
| 3 | BW10100 | • Decal, A30 7¼ X 7 Inch ROCKMAN | 2 |
| 4 | BW10121 | • Kit, A-Series Decal | 1 |
| 5 | 800916 | • • Decal, Warning, Keep Hand Out of Water Box | 1 |
| 6 | BW10128 | • • Decal, REED 4 ¼ X 12 ½ Inch | 3 |
| 7 | 800924 | • • Decal, Warning, This Machine is Remote Controlled and | 2 |
| 8 | 800929A | • • Decal, Warning | 2 |
| 9 | 800931 | • • Decal, ACPA Member | 1 |
| 10 | 85844 | • • Decal, Oil Level | 1 |
| 11 | 75020 | • • Decal, Hydraulic Oil | 1 |
| 12 | 75017 | • • Decal, Diesel Fuel Only | 1 |
| 13 | 800926 | • • Decal, Warning, Do Not Operate This Machine without | 1 |
| 14 | 86636 | • • Nameplate, REED , Serial No. | 1 |
| 15 | 800921 | • • Decal, Warning, Do Not Operate at Pressures Exceeding | 1 |
| 16 | 73132 | • • Decal, REED 4 1/2 Inch | 1 |
| 17 | 800922 | • • Decal, Warning, Before Opening a Blocked Pipeline | 1 |
| 18 | 800918 | • • Decal, Warning, Do Not Stand on Hopper Grate | 2 |

DASH (-) ITEM NOT ILLUSTRATED

**REED TRAILER MOUNTED CONCRETE PUMP MODEL A30 ILLUSTRATED PARTS
MANUAL GROUP 20 HOPPER INSTALLATION** CONTAINS THE FOLLOWING
FIGURES:

- FIGURE 00** TABLE OF CONTENTS
FIGURE 01 HOPPER INSTALLATION
FIGURE 02 HOPPER CLEAN OUT DOOR ASSEMBLY





HOPPER INSTALLATION

A30
PARTS
GROUP 20
FIGURE 01
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | 20-01 | Installation, Hopper (See Group 10, Figure 01 for NHA) | Ref |
| 2 | BW10015 | • Assembly, Hopper | 1 |
| 3 | 86542 | • • Assembly, Clean Out Door (See Group 20, Figure 02 for DET) | 1 |
| 4 | BW10042 | • • Grate, Hopper | 1 |
| 5 | 72679 | • • Honge, Grate | |
| 6 | 800929A | • Decal, Warning | 2 |
| 7 | 85714 | • Guard, Splash | 1 |
| 8 | 73132 | • Decal, REED 4 ½ Inch | 1 |
| 9 | 800931 | • Decal, ACPA Member | 1 |
| 10 | 800922 | • Decal, Warning, Before Opening a Blocked Pipeline, | 1 |
| 11 | 800917 | • Decal, Warning, Keep Hand Out of Hopper and Valve | 2 |

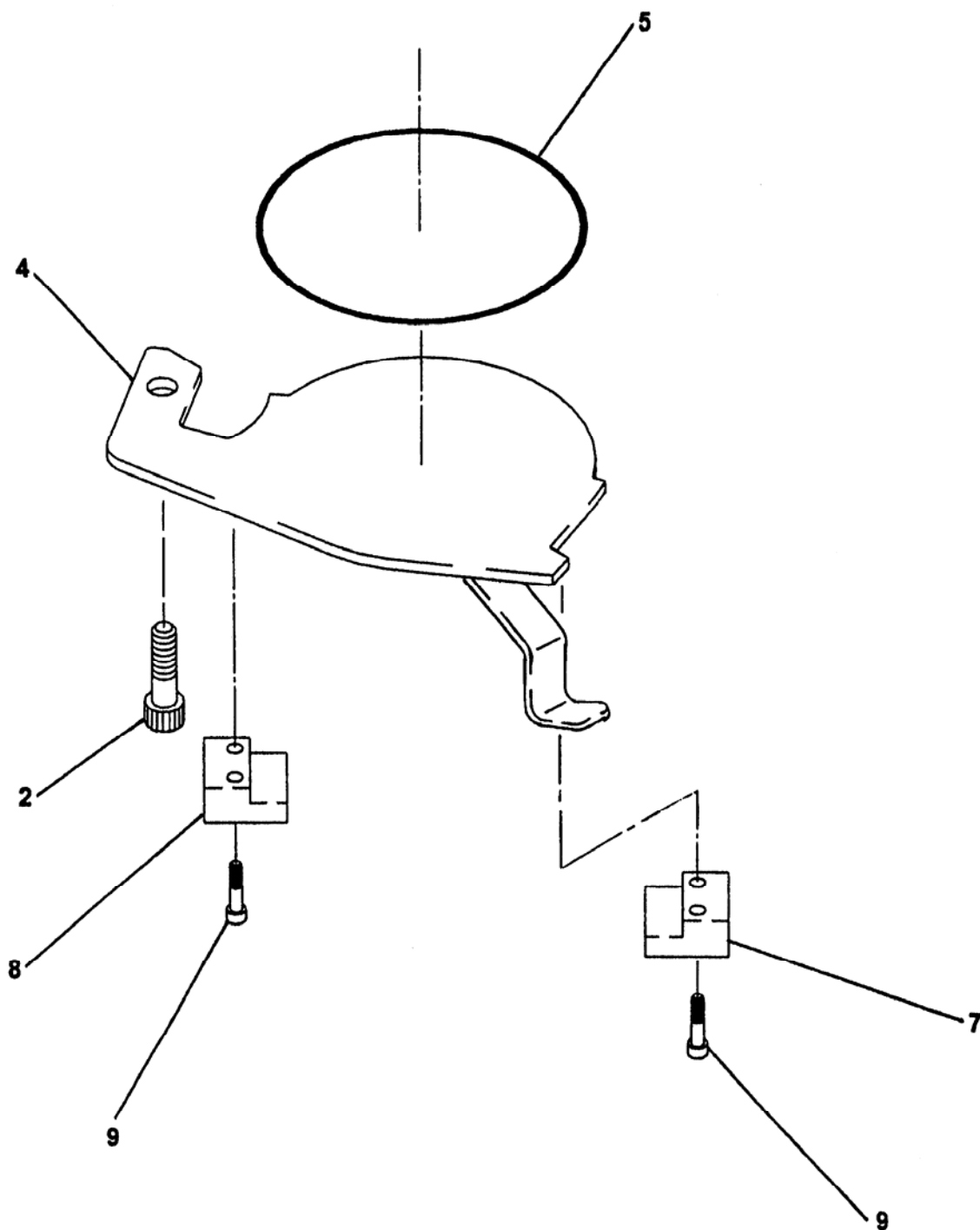
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



HOPPER CLEAN OUT
DOOR ASSEMBLY

A30
PARTS
GROUP 20
FIGURE 02
PAGE 01





HOPPER CLEAN OUT DOOR ASSEMBLY

A30
PARTS
GROUP 20
FIGURE 02
PAGE 02

| ITEM NO. | REED 'S PARTS NO. | DESCRIPTION | QTY |
|-------------|----------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | 86542 | Assembly, Rounded Clean Out Door (See Group 20, Figure 01 and Figure 02 for NHA) | Ref |
| 2 | 86922 | • Bolt, Shoulder | 1 |
| 3 | - | • OPEN | - |
| 4 | 86988 | • Door, Weldment Clean-Out | 1 |
| 5 | W-102908A | • Cord, Hopper Door O-Ring 2.21 FT | 1 |
| 6 | - | • OPEN | - |
| 7 | 86560 | • Block, RH Clean Out Door | 1 |
| 8 | 86559 | • Block, LH Clean Out Door | 1 |
| 9 | | • Capscrew, Socket Head | 4 |
| -10 | 85312 | • Plate, Seal | 1 |
| -11 | 85371 | • Neck, Clean Out Door | 1 |

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



**TRAILER MOUNTED PUMP MODEL A30
ILLUSTRATED PARTS MANUAL**

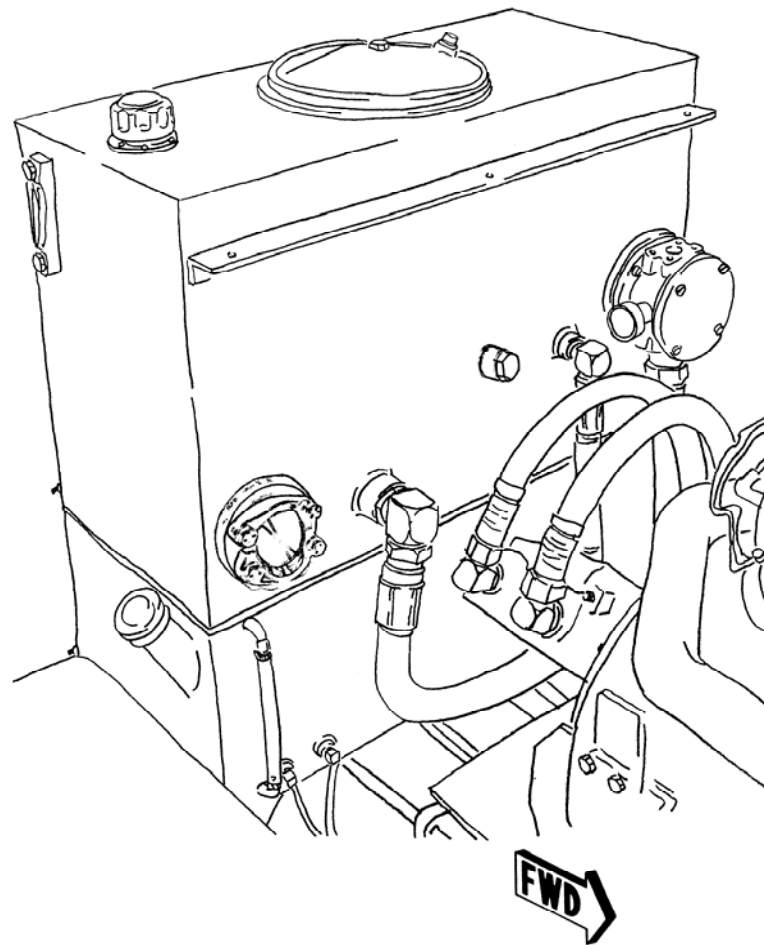
A30
PARTS
GROUP 20
FIGURE 03
PAGE 01

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**REED TRAILER MOUNTED CONCRETE PUMP MODEL A30 ILLUSTRATED PARTS
MANUAL GROUP 30 HYDRAULIC TANK INSTALLATION CONTAINS THE
FOLLOWING FIGURES:**

FIGURE 00 TABLE OF CONTENTS

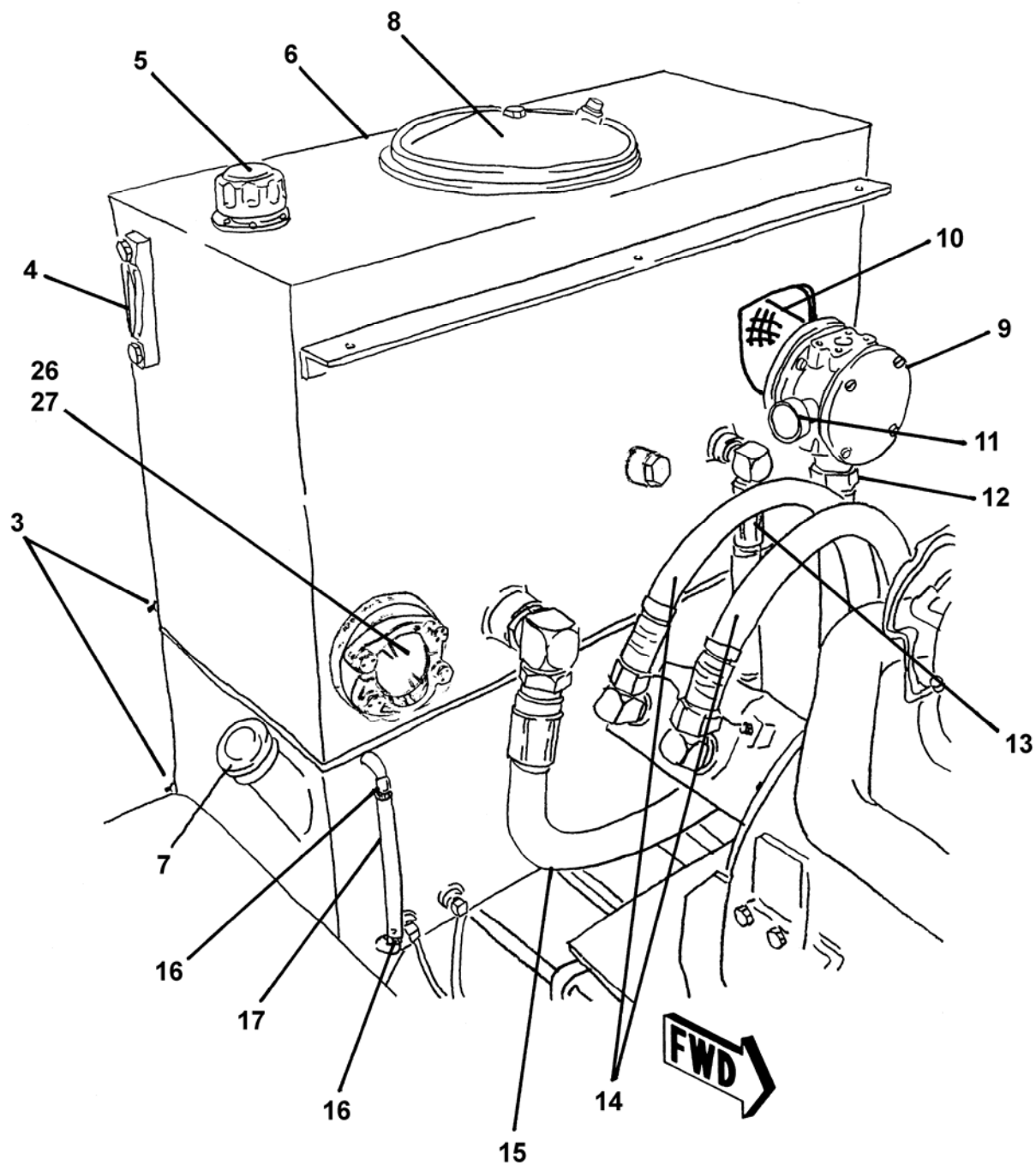
FIGURE 01 TANK INSTALLATION





TANK INSTALLATION

A30
PARTS
GROUP 30
FIGURE 01
PAGE 01



REVISION:

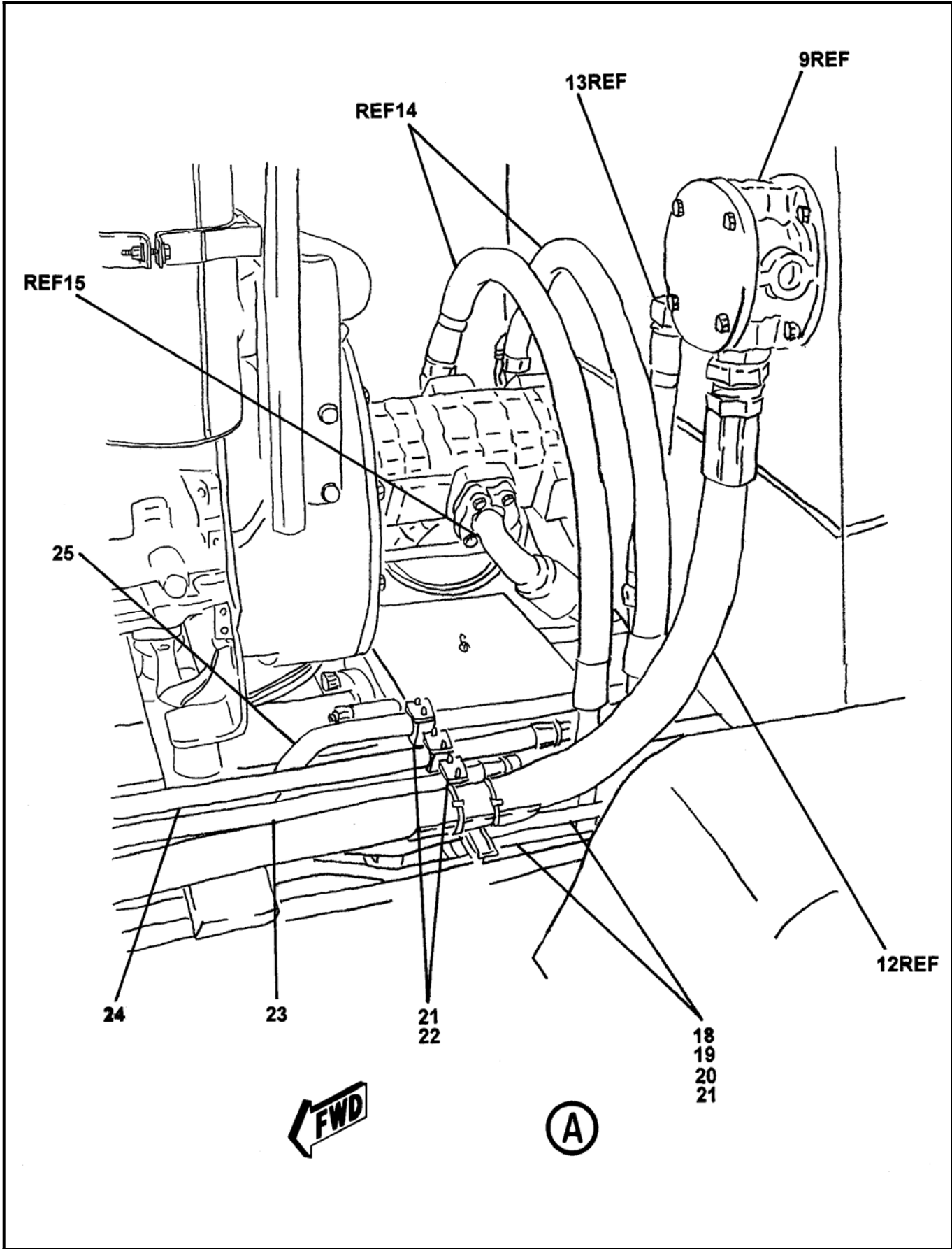
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | BW43000 | Installation, Tank (See Group 10, Figure 01 for NHA) | Ref |
| -2 | BW10117 | • Assembly, A-Series Hydraulic / Fuel Tank | 1 |
| 3 | 801025 | • • Cock, ¼ Drain | 2 |
| 4 | 74509 | • • Gauge, Sight and Temperature | 1 |
| 5 | 74508 | • • Breather, Filler with Cap | 1 |
| 6 | BW10014 | • • Weldment, A-Series Hydraulic / Fuel Tank | 1 |
| 7 | BW10256 | • • • Cap, Filler | 1 |
| 8 | BW10171 | • • • Kit, 12 Inch End Cover | 1 |
| 9 | BW10027 | RETURN FILTER, HOUSING/ELEMENT/GAUGE | 1 |
| 10 | BW10106 | • • • Element, Filter | 1 |
| 11 | | • • • Gauge, Filter | 1 |
| 12 | BW10162 | • Assembly, Hydraulic Hose | 1 |
| 13 | BW10046 | • Assembly, Return Line Hydraulic Hose | 1 |
| 14 | BW10047 | • Assembly, Main Pump Hydraulic Hose | 2 |
| 15 | BW10170 | • Assembly, Hydraulic Hose | 1 |
| 16 | 802289 | • Clamp, Worm | 2 |
| 17 | 801978 | • Tubing, Clear PVC | 1 |
| 18 | BW10049 | • Assembly, Swing Cylinder Hydraulic Hose | 2 |
| 19 | BW10154 | • Assembly, Swing Cylinder Hydraulic Tube | 2 |
| 20 | 801902-006 | • Clamp, Tube | 4 |
| 21 | 801902-001 | • Nut, Tube Clamp Tee | 10 |
| 22 | 801902-007 | • Clamp, Tube | 6 |
| 23 | BW10150 | • Assembly, Main Pump Pressure Hydraulic Tube | 1 |
| 24 | BW10151 | • Assembly, Main Pump Accumulator Hydraulic Tube | 1 |
| 25 | BW10153 | • Assembly, Return Line Hydraulic Tube | 1 |
| 26 | 801937 | • Flange Plug-2 Inch Code 61 | 1 |
| 27 | 86264-006 | • Split Flange-Code 61 (-32 SAE) | 1 |

DASH (-) ITEM NOT ILLUSTRATED



TANK INSTALLATION

A30
PARTS
GROUP 30
FIGURE 01
PAGE 03



REVISION:

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | BW43000 | Installation, Tank (See Group 10, Figure 01 for NHA) | Ref |
| -2 | BW10117 | • Assembly, A-Series Hydraulic / Fuel Tank | 1 |
| 3 | 801025 | • • Cock, ¼ Drain | 2 |
| 4 | 74509 | • • Gauge, Sight and Temperature | 1 |
| 5 | 74508 | • • Breather, Filler with Cap | 1 |
| 6 | BW10014 | • • Weldment, A-Series Hydraulic / Fuel Tank | 1 |
| 7 | BW10138 | • • • Cap, Filler with Neck | 1 |
| 8 | BW10171 | • • • Kit, 12 Inch End Cover | 1 |
| 9 | BW10027 | • • Filter, Return | 1 |
| 10 | BW10106 | • • • Element, Filter | 1 |
| 11 | | • • • Gauge, Filter | 1 |
| 12 | BW10162 | • Assembly, Hydraulic Hose | 1 |
| 13 | BW10046 | • Assembly, Return Line Hydraulic Hose | 1 |
| 14 | BW10047 | • Assembly, Main Pump Hydraulic Hose | 2 |
| 15 | BW10170 | • Assembly, Hydraulic Hose | 1 |
| 16 | 802289 | • Clamp, Worm | 2 |
| 17 | 801978 | • Tubing, Clear PVC | 1 |
| 18 | BW10049 | • Assembly, Swing Cylinder Hydraulic Hose | 2 |
| 19 | BW10154 | • Assembly, Swing Cylinder Hydraulic Tube | 2 |
| 20 | 801902-006 | • Clamp, Tube | 4 |
| 21 | 801902-001 | • Nut, Tube Clamp Tee | 10 |
| 22 | 801902-007 | • Clamp, Tube | 6 |
| 23 | BW10150 | • Assembly, Main Pump Pressure Hydraulic Tube | 1 |
| 24 | BW10151 | • Assembly, Main Pump Accumulator Hydraulic Tube | 1 |
| 25 | BW10153 | • Assembly, Return Line Hydraulic Tube | 1 |

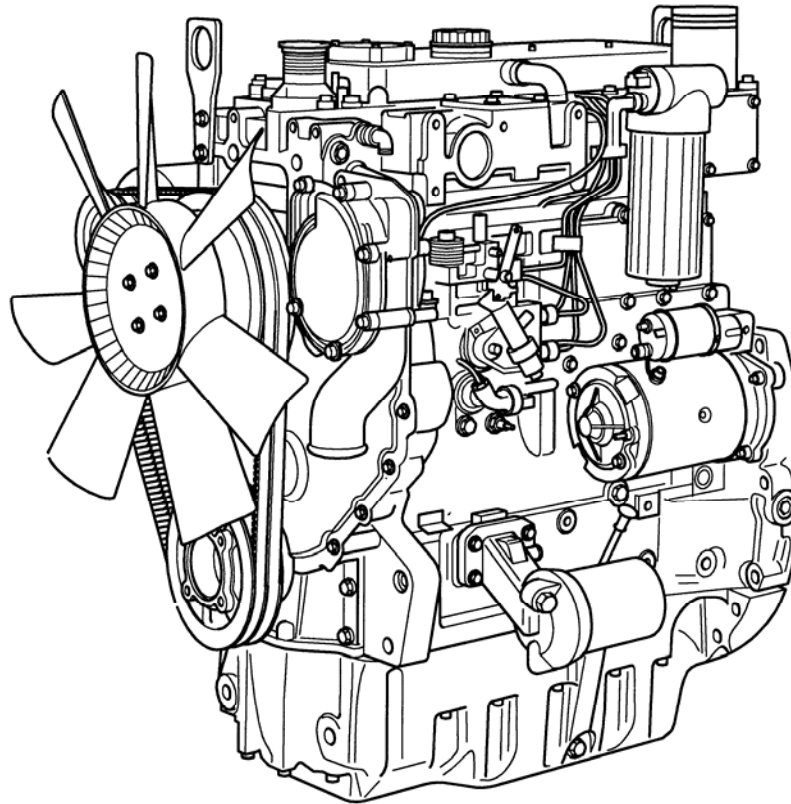
DASH (-) ITEM NOT ILLUSTRATED



**TRAILER MOUNTED PUMP MODEL A30
ILLUSTRATED PARTS MANUAL**

A30
PARTS
GROUP 30
FIGURE 02
PAGE 01

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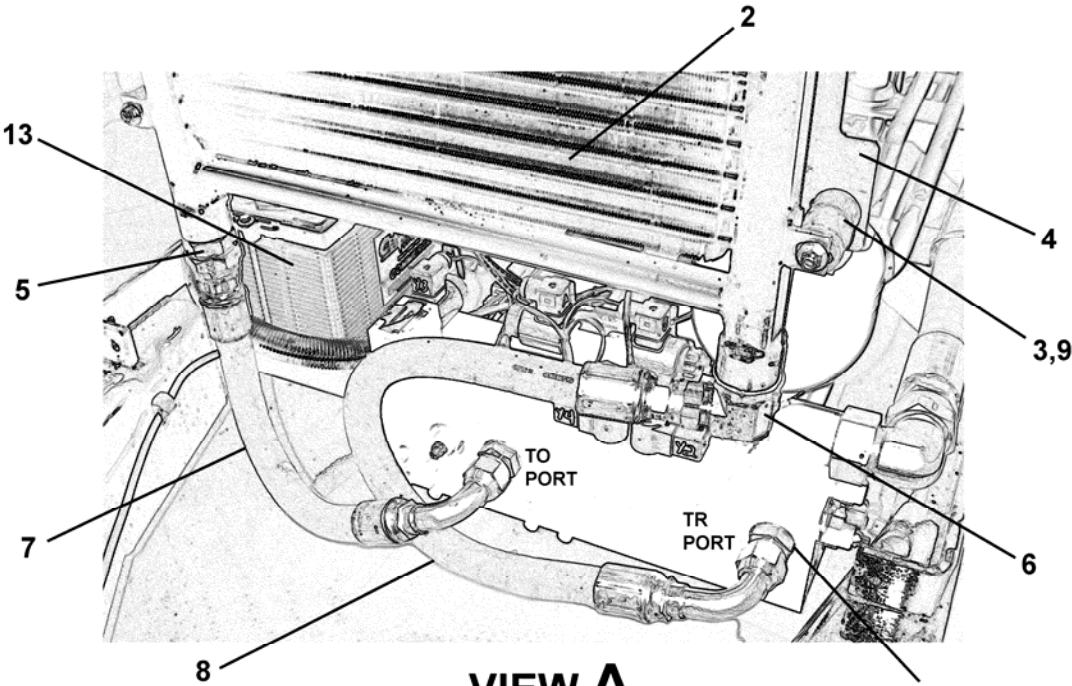
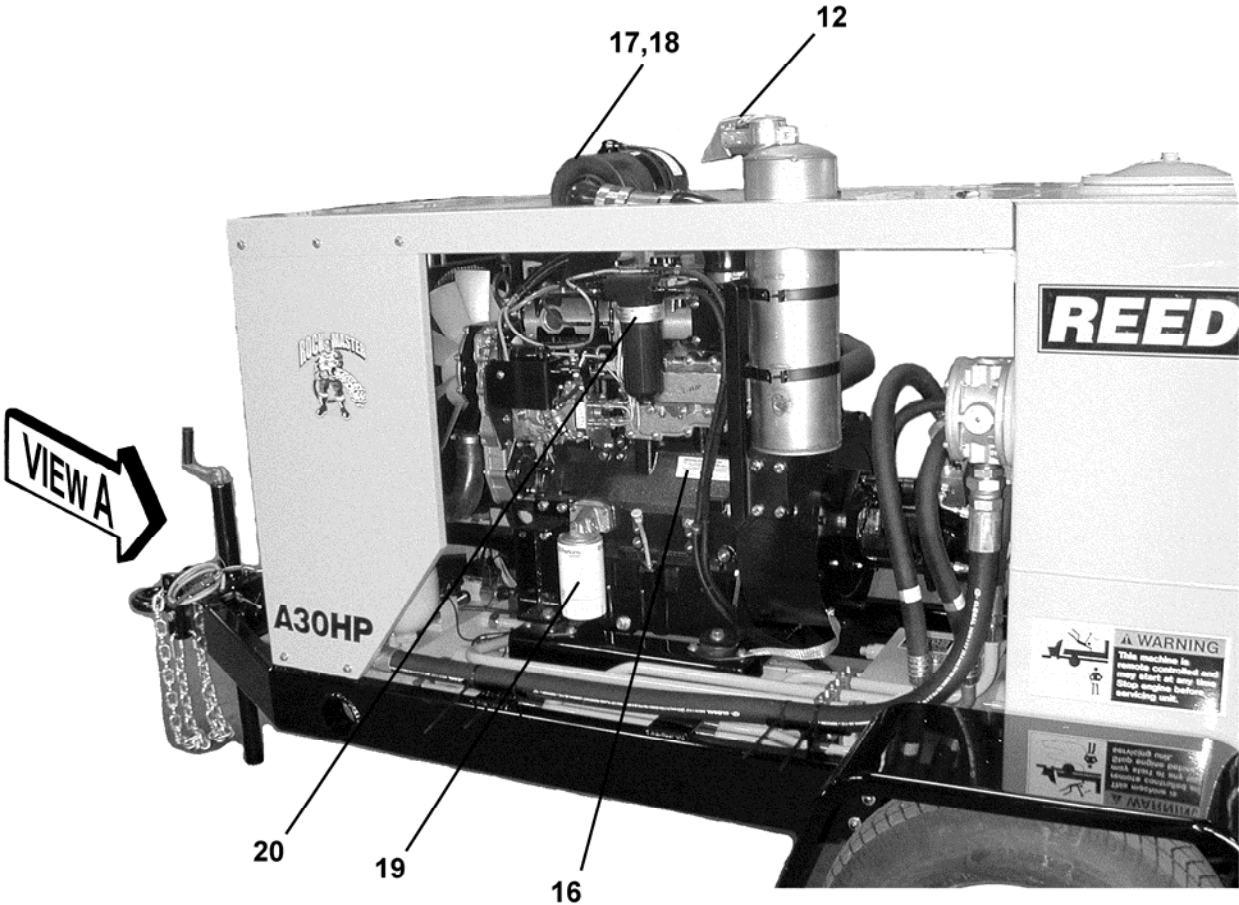
REED TRAILER MOUNTED CONCRETE PUMP MODEL **A30** ILLUSTRATED PARTS
MANUAL GROUP 40 POWER TRAIN INSTALLATION CONTAINS THE FOLLOWING
FIGURES:

| | | |
|---------------|-----------|---------------------------|
| FIGURE | 00 | TABLE OF CONTENTS |
| FIGURE | 01 | POWER TRAIN INSTALLATION |
| FIGURE | 02 | BATTERY MOUNTING ASSEMBLY |
| FIGURE | 03 | HYDRAULIC PUMP ASSEMBLY |



POWER TRAIN INSTALLATION

A30
PARTS
GROUP 40
FIGURE 01
PAGE 01



VIEW A
(WITH COVER REMOVED)

86900-28 (2) REF

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|---|-----|
| 1 | BW31020 | Installation, Power Train (See Group 10, Figure 01 for NHA) | Ref |
| 2 | BW10277 | Cooler, Oil | 1 |
| 3 | BW10289 | Spacer, Oil Cooler Mount | 4 |
| 4 | BW10278 | Bracket, Oil Cooler | 2 |
| 5 | 86900-031 | Adaptor, MB-MJ-20-20 | 1 |
| 6 | 86728-026 | Elbow, MB-MJ90-20-16 | 1 |
| 7 | BW10280 | Hose, 16GMV+ -20FJX-16FJX90S-24" | 1 |
| 8 | BW10281 | Hose, 16GMV+ -20FJX-16FJX90S-36" | 1 |
| 9 | 80043 | Flatwasher-3/8 USS | 8 |
| -10 | BW10179 | Safety Plate, Exhaust Pipe | 1 |
| -11 | 78213 | Clamp | 1 |
| 12 | 70849 | Cap, Rain | 1 |
| 13 | 40-02 | Assembly, Battery Mounting (See Group 40, Figure 02 for DET) | 1 |
| 14 | 10577 | Clamp, Hose | 2 |
| 15 | 77347A | Hose, 13ft FT Fuel | 1 |
| 16 | BW10039-1 | Assembly, Engine (See Vendor Section, Figure 01 for REF) | 1 |
| 17 | BW10330 | Element, Air Filter, Primary | 1 |
| 18 | BW10331 | Element, Air Filter, Safety | 1 |
| 19 | BW10332 | Filter, Oil | 1 |
| 20 | BW10333 | Filter, Fuel | 1 |
| | | | 1 |
| 21 | 40-03 | Assembly, Hydraulic Gear Pump (See Group 40, Figure 03 for REF) | |
| -22 | BW10319 | Pump Drive Kit for BW10168 Hyd Pump | 1 |
| -23 | 73269 | Strap, Ground | 1 |
| -24 | BW10322 | Assembly, Engine Wiring Harness (See Schematic Section, Page 05 for REF) | 1 |

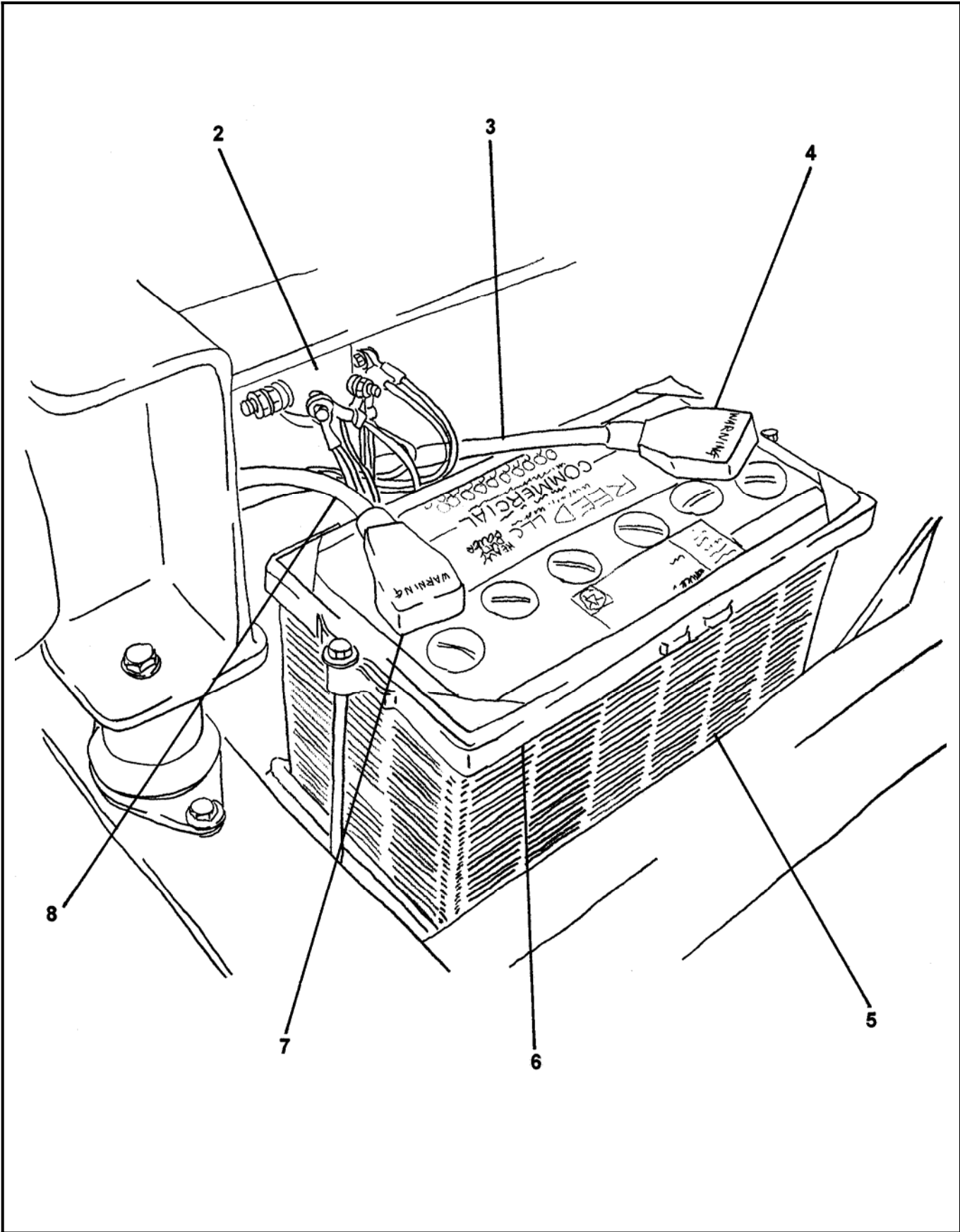
DASH (-) ITEM NOT ILLUSTRATED

-25 BW10276 LINEAR ACTUATOR



BATTERY MOUNTING ASSEMBLY

A30
PARTS
GROUP 40
FIGURE 02
PAGE 01



REVISION:



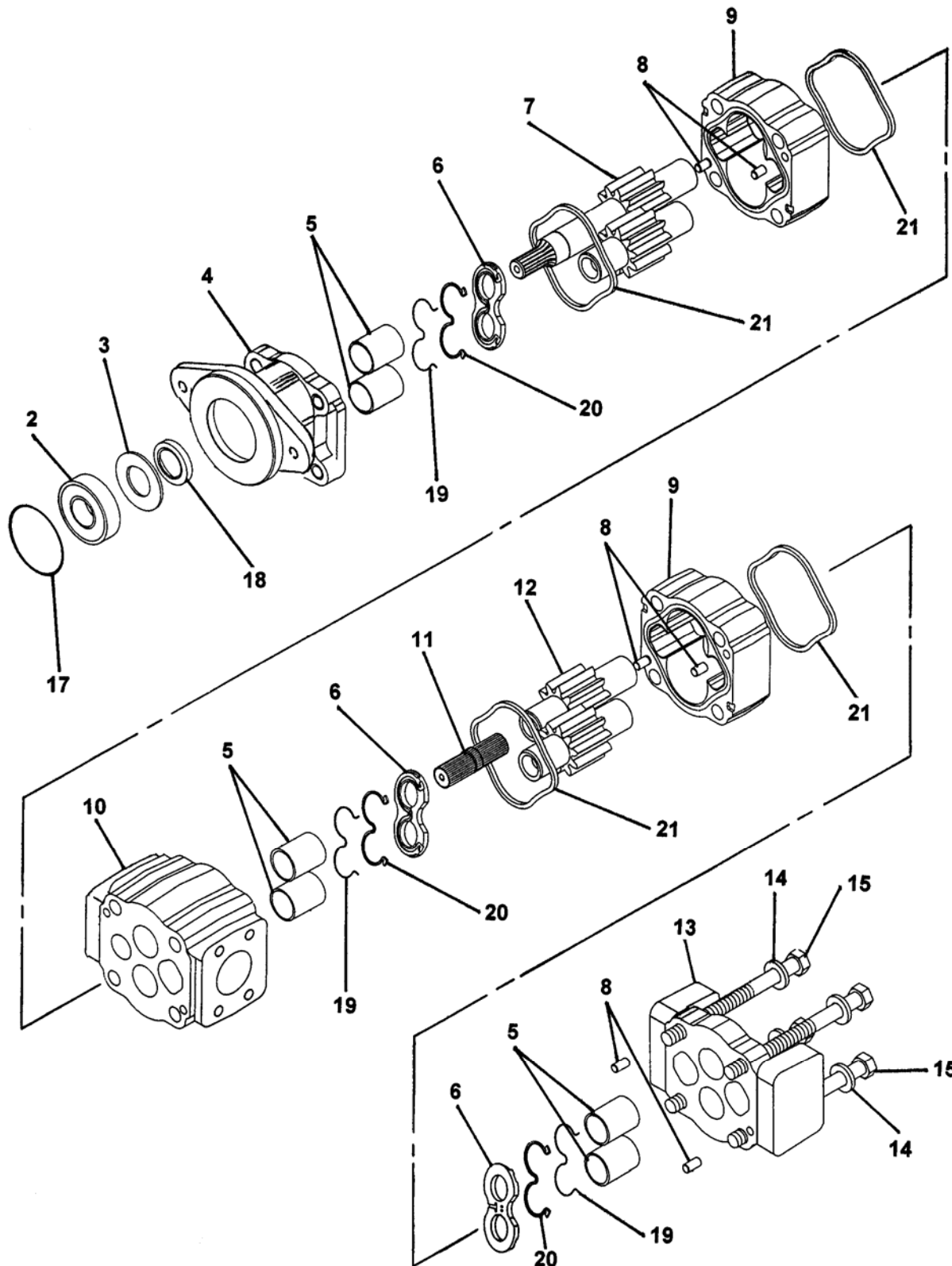
BATTERY MOUNTING ASSEMBLY

A30
PARTS
GROUP 40
FIGURE 02
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | 40-02 | Assembly, Battery Mounting (See Group 40, Figure 01 for NHA) | Ref |
| 2 | 85348 | • Connector, SPNO 12 VDC | 1 |
| 3 | 72014 | • Cable, 36 Inch Long Battery Top (Red) | 1 |
| 4 | 77719 | • Cover, Positive Battery (Red) | 1 |
| 5 | 77075 | • Battery, 12 VDC | 1 |
| 6 | 72945 | • Holder, Battery Down | 1 |
| 7 | 77720 | • Cover, Negative Battery (Black) | 1 |
| 8 | 75116 | • Cable, Negative Battery (Black) | 1 |

DASH (-) ITEM NOT ILLUSTRATED

REVISION:





HYDRAULIC PUMPS ASSEMBLY

A30
PARTS
GROUP 40
FIGURE 03
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | BW10168 | Assembly, Permco Hydraulic Pump (See Group 40, Figure 01 for NHA) | Ref |
| 2 | | • Bearing, Outboard (Optional) | 1 |
| 3 | | • Spacer | 1 |
| 4 | | • Cover, Shaft End | 1 |
| 5 | | • Bushing, Journal | 6 |
| 6 | | • Plate, Thrust | 3 |
| 7 | | • Set, Integral Gear | 1 |
| 8 | | • Pin, Dowel | 6 |
| 9 | | • Housing, Gear | 2 |
| 10 | | • Carrier, Bearing | 1 |
| 11 | | • Shaft, Connecting | 1 |
| 12 | | • Set, Connecting Gear | 1 |
| 13 | | • Cover, Port End | 1 |
| 14 | | • Washer, Flat (attaching parts) | 4 |
| 15 | | • Bolt, Hex (attaching parts) | 4 |
| -16 | BW10168-SK | • Kit, Seal | 1 |
| 17 | | • • Ring, Spirolox Retaining | 1 |
| 18 | | • • Seal, Shaft | 1 |
| 19 | | • • Ring, Back Up | 3 |
| 20 | | • • Ring, Seal | 3 |
| 21 | | • • Gasket, Housing | 4 |
| | | DASH (-) ITEM NOT ILLUSTRATED | |

REVISION:



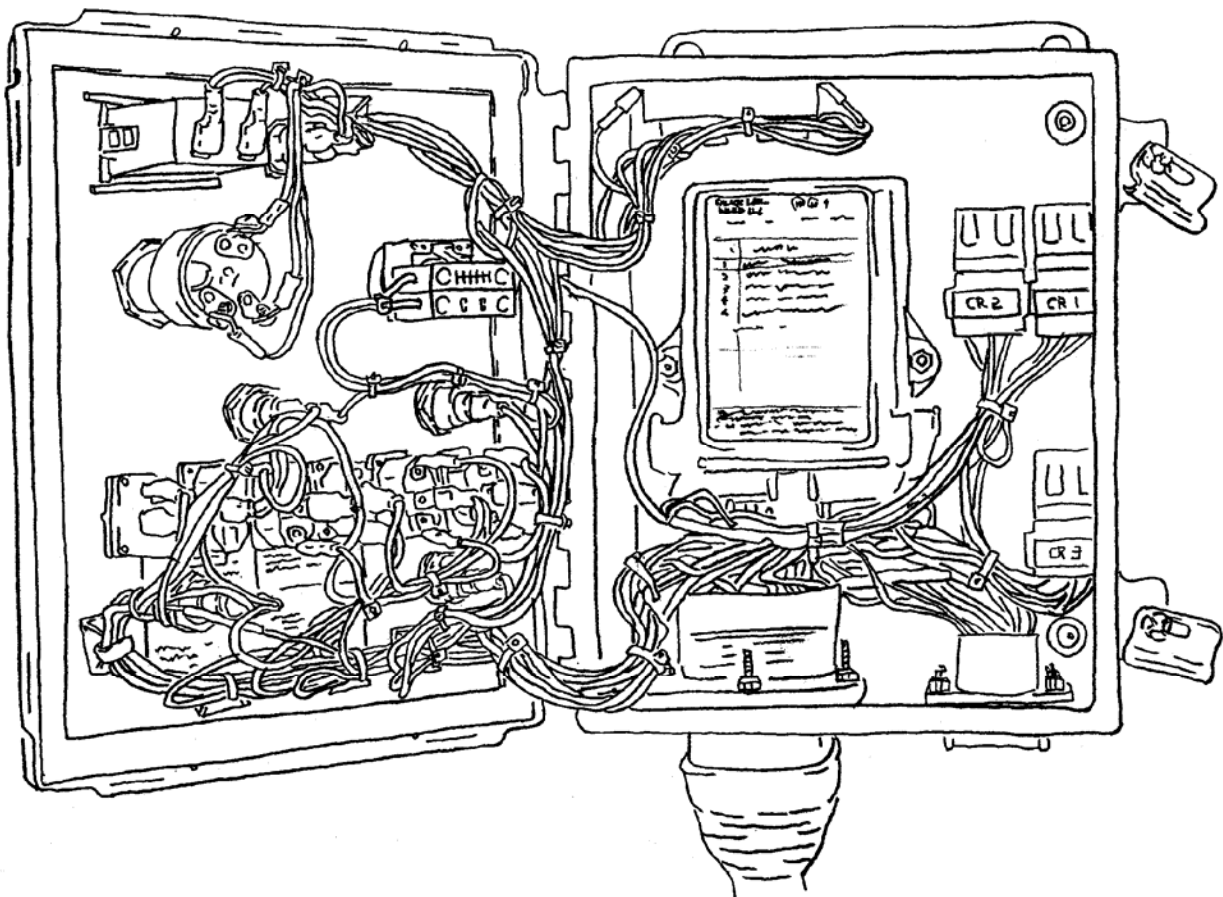
**TRAILER MOUNTED PUMP - A30
ILLUSTRATED PARTS MANUAL**

A30
PARTS
GROUP 40
FIGURE 04
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP MODEL A30 ILLUSTRATED PARTS MANUAL GROUP 50 CONTROLS INSTALLATION CONTAINS THE FOLLOWING FIGURES:

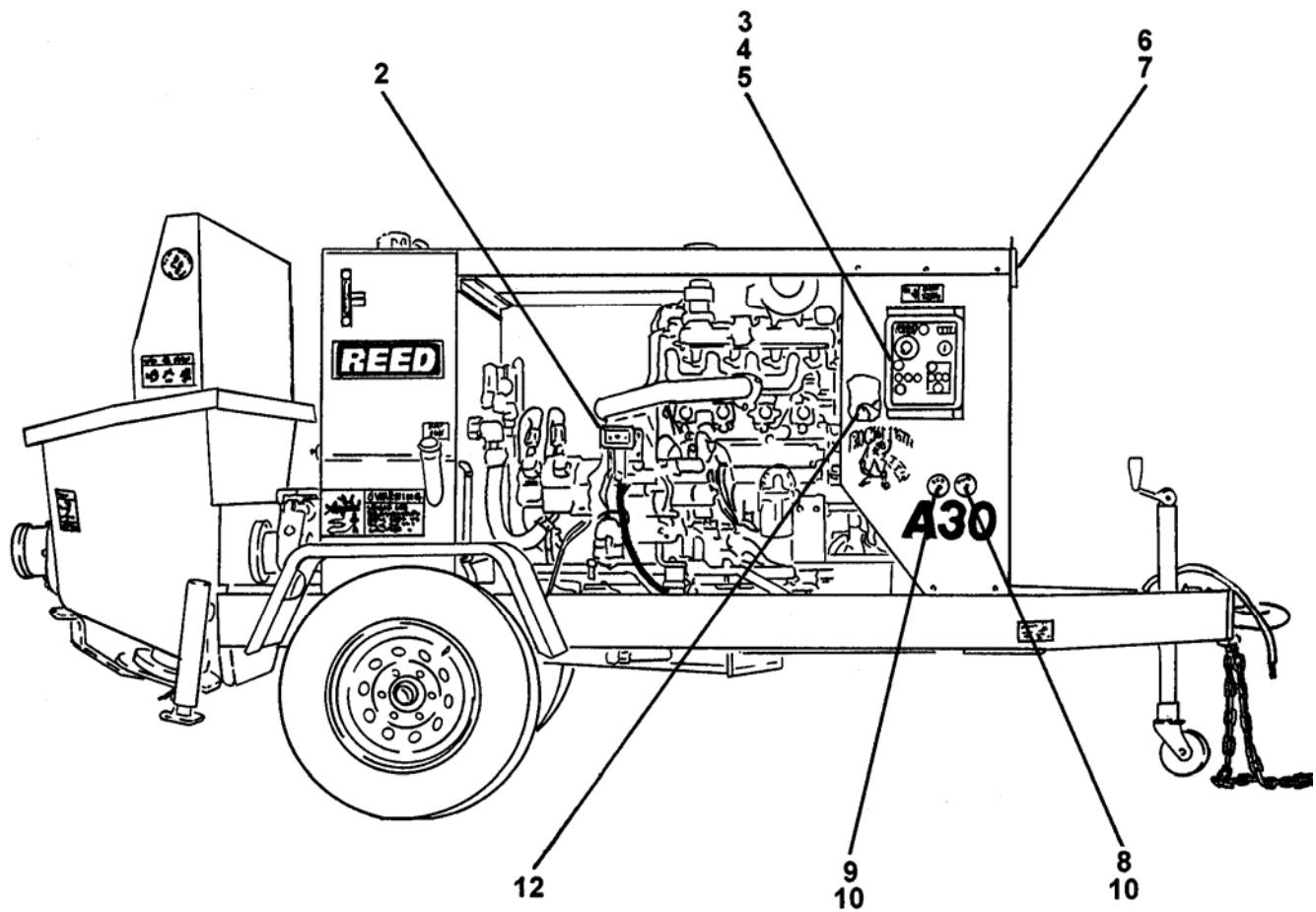
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** CONTROLS INSTALLATION
- FIGURE 02** CONTROL BOX ASSEMBLY
- FIGURE 03** CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 04** RADIO REMOTE CONTROL ASSEMBLY





CONTROL INSTALLATION

A30
PARTS
GROUP 50
FIGURE 01
PAGE 01





CONTROL INSTALLATION

A30
PARTS
GROUP 50
FIGURE 01
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|-------------------------------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | 50-01 | Installation, Control (See Group 10, Figure 01 for NHA) | Ref |
| 2 | BW10013 | • Assembly, Cable Remote Control (See Group 50, Figure 03 for DET) | 1 |
| 3 | BW10321 | • Assembly, Control Box (See Group 50, Figure 03 for DET) | 1 |
| 4 | 73748 | • Bumper, Control Box | 4 |
| 5 | 72862 | • Gauge, Proximity Sensor Setting | 1 |
| 6 | BW10132 | • Radio Remote Control Kit-Kartech (Optional Item) (See Group 50, Figure 04 for DET) | 1 |
| 7 | BW10188 | • Radio Remote Control Kit-Remtron (Optional Item) (See Group 50, Figure 04 for DET) | 1 |
| 8 | 74562 | • Gauge, 6,000 PSI Hydraulic | 1 |
| 9 | 70366 | • Gauge, 3,000 PSI Hydraulic | 1 |
| 10 | 78594 | • Adapter, Minicheck Gauge | 2 |
| -11 | BW10318 | • Hose, 48 Inch-90 Degree Minicheck | 2 |
| 12 | 800347 | • Horn, 12 V | 1 |
| DASH (-) ITEM NOT ILLUSTRATED | | | |

REVISION:



CABLE REMOTE CONTROL ASSEMBLY

A30
PARTS
GROUP 50
FIGURE 02
PAGE 01





CABLE REMOTE CONTROL ASSEMBLY

A30
PARTS
GROUP 50
FIGURE 02
PAGE 02

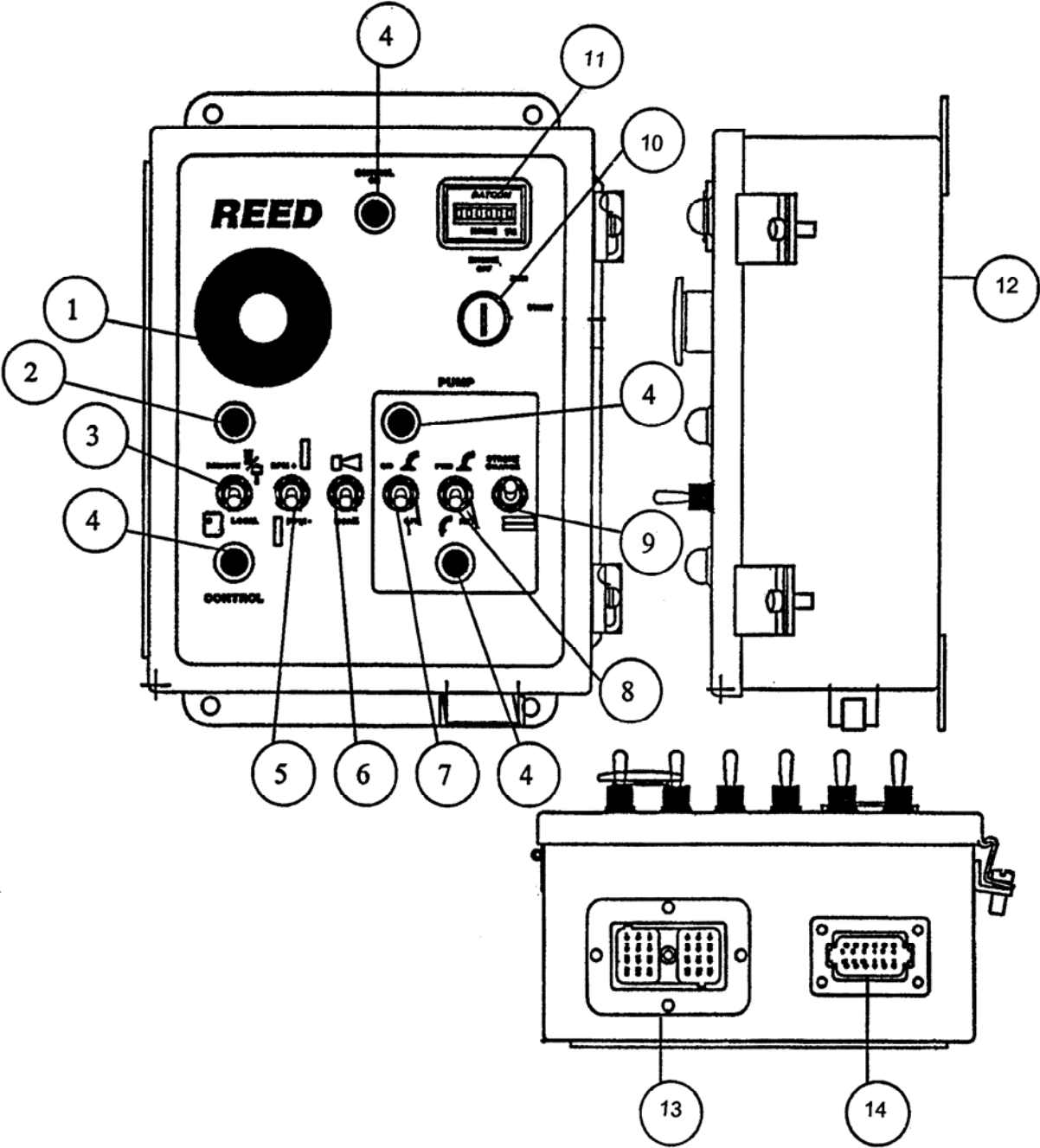
THIS GROUP 50, FIGURE 02, PARTS NUMBER BW10013,
CABLE REMOTE CONTROL ASSEMBLY,
DETAIL PARTS LIST IS NOT AVAILABLE THIS REVISION.

REVISION:



CONTROL BOX ASSEMBLY

A30
PARTS
GROUP 50
FIGURE 03
PAGE 01





CONTROL BOX ASSEMBLY

A30
PARTS
GROUP 50
FIGURE 03
PAGE 02

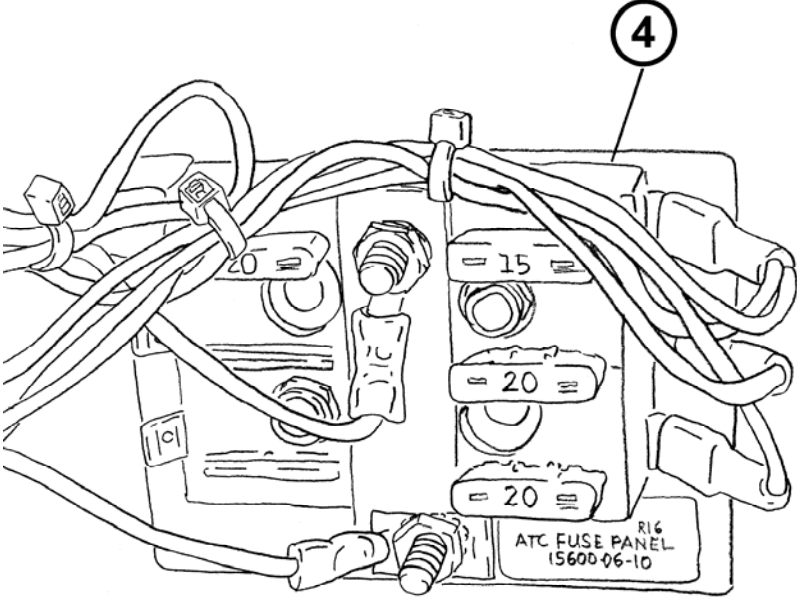
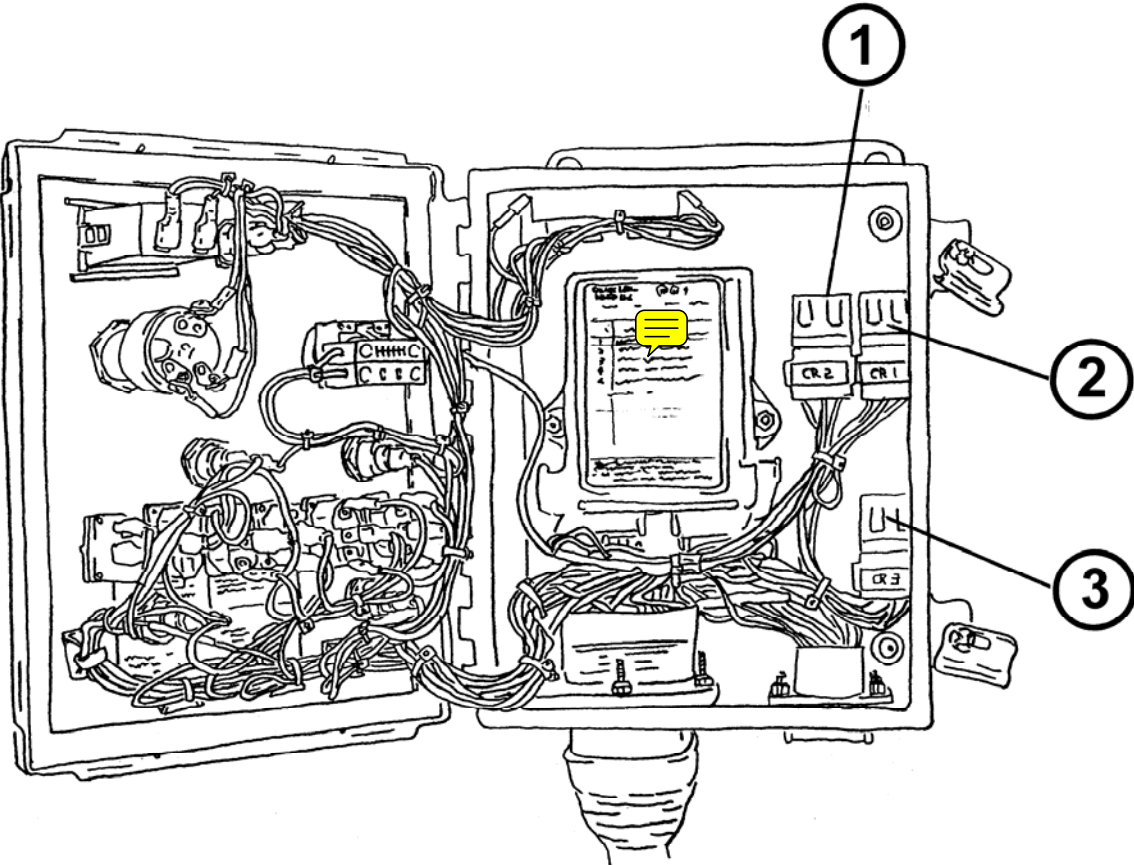
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| 1 | BW10208 | • E-Stop Light (Power Supply) | 1 |
| 2 | BW10214 | • Lens, Amber | 1 |
| 3 | BW10223 | • SPST Toggle Switch On-On | 1 |
| 4 | BW10215 | • Lens, Green | 1 |
| 5 | BW10205 | • SPDT Momentary Switch | 1 |
| 6 | BW10206 | • SPDT Momentary Switch | 1 |
| 7 | BW10207 | • SPST Toggle Switch | 1 |
| 8 | BW10207 | • SPST Toggle Switch | 1 |
| 9 | BW10206 | • SPDT Momentary Switch | 1 |
| 10 | BW10204 | • SW, Key Switch | 1 |
| 11 | BW10212 | • Hour Meter-Mini | 1 |
| 12 | BW10203 | • 10x8x4 Steel CH Enclosure | 1 |
| 13 | BW10217 | • Connector, DRC12-24PA | 1 |
| 14 | BW10218 | • Connector, DT04-12PA-L012, 12 Pin EMT | 1 |
| -15 | BW10209 | • Mushroom Head Maintained Button (Ref-BW10208 Red Light Housing) | 1 |
| -16 | BW10211 | • LGT, Mini Bayonet Red (Ref-BW10208 and BW10209) | 1 |
| -17 | BW10213 | • Light Socket (Ref-BW10214 and BW10215) | 5 |
| -18 | BW10216 | • Light Bayonet 14V (Ref-BW10213,BW10214 and BW10215) | 5 |
| -19 | BW10219 | • Connector 12 Pin, Gasket (Ref-BW10218) | 1 |
| -20 | BW10220 | • Connector 24in, Gasket (Ref-BW10217) | 1 |

ITEM (-) NOT ILLUSTRATED

REVISION:

CONTROL BOX ASSEMBLY

A30
PARTS
GROUP 50
FIGURE 03
PAGE 03





CONTROL BOX ASSEMBLY

A30
PARTS
GROUP 50
FIGURE 03
PAGE 04

| ITEM NO. | REED 'S PARTS NO. | DESCRIPTION | QTY |
|----------|-------------------|---|-----|
| | | 1 2 3 4 5 | |
| 1 | BW10222 | • Relay, Diode Suppress (Note: Same Part# For Items 1,2, &3) | 1 |
| 2 | BW10222 | • Relay, Diode Suppress (Note: Same Part# For Items 1,2, &3) | 1 |
| 3 | BW10222 | • Relay, Diode Suppress (Note: Same Part# For Items 1,2, &3) | 1 |
| 4 | BW10227 | • Fuse, Block GNG 6F | 1 |

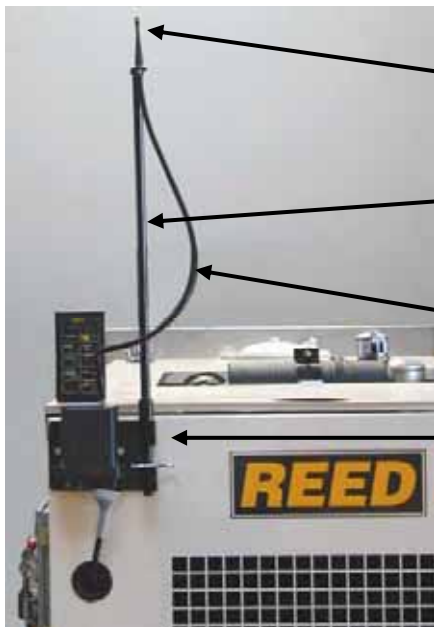
| | | |
|---|---------|---------------------------------------|
| 5 | BW10255 | LOGIC CONTROLLER BOX (PLC) - KAR TECH |
|---|---------|---------------------------------------|

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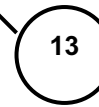
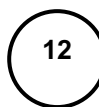
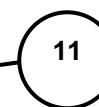
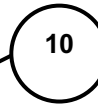
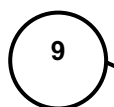
OPTIONAL RADIO REMOTE CONTROL ASSEMBLY

A30
PARTS
GROUP 50
FIGURE 04
PAGE 01



**BW10132 KAR-TECH
RADIO REMOTE KIT**

BW10247 DECAL



**BW10188 REMTRON
RADIO REMOTE KIT**

REVISION:



OPTIONAL RADIO REMOTE CONTROL ASSEMBLY

A30
PARTS
GROUP 50
FIGURE 04
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|-------------|---------------------|--|-----|
| | | 1 2 3 4 5 | |
| 1 | BW10196 | • Antenna Support | 1 |
| 2 | BW10194 | • Rod, Antenna | 1 |
| 3 | BW10201 | • Antenna Cable-27" | 1 |
| 4 | BW10012 | • Radio Remote Receiver-Kartech | 1 |
| 5 | BW10200 | • Plate Weldment, Rod Assembly Support | 1 |
| 6 | BW10202 | • Hair Pin | 1 |
| 7 | BW10011 | • Radio Remote Transmitter-Kartech | 1 |
| 8 | BW10192 | • Holster for Kartech Radio Transmitter | 1 |
| 9 | BW10190 | • Radio Remote Receiver-Remtron | 1 |
| 10 | BW10191 | • Holster Shoulder Strap for Remtron Transmitter | 1 |
| 11 | BW10189 | • Transmitter for Remtron Radio | 1 |
| 12 | NA | • Antenna-See BW10188 | 1 |
| 13 | NA | • Coax Cable-See BW10188 | 1 |
| -14 | 800418 | • Lanyard for BW10202 | 1 |
| -15 | BW10195 | • Tab, Antenna Support | 1 |
| -16 | BW10197 | • Tube, Rod Assembly Support | 1 |
| -17 | BW10198 | • Tube, Rod Assembly Support | 1 |
| -18 | BW10199 | • Plate, Rod Assembly Support | 1 |
| -19 | BW10200 | • Plate Weldment, Rod Assembly Support | 1 |
| -20 | BW10176 | • Bracket, Mounting-Remtron Radio | 1 |
| -21 | - | • | - |

DASH (-) ITEM NOT ILLUSTRAT

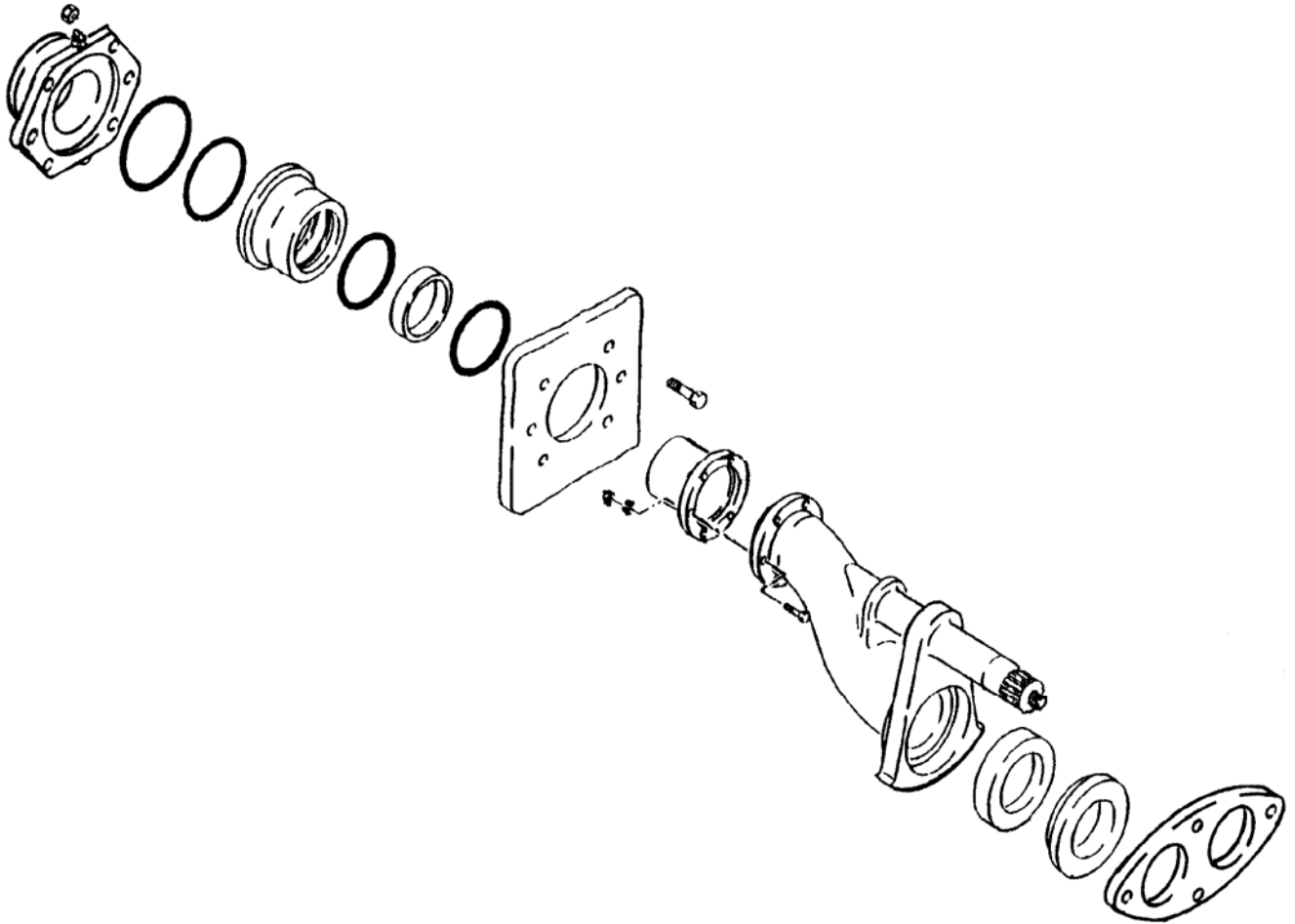
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**TRAILER MOUNTED PUMP MODEL A30
ILLUSTRATED PARTS MANUAL**

A30
PARTS
GROUP 50
FIGURE 05
PAGE 01

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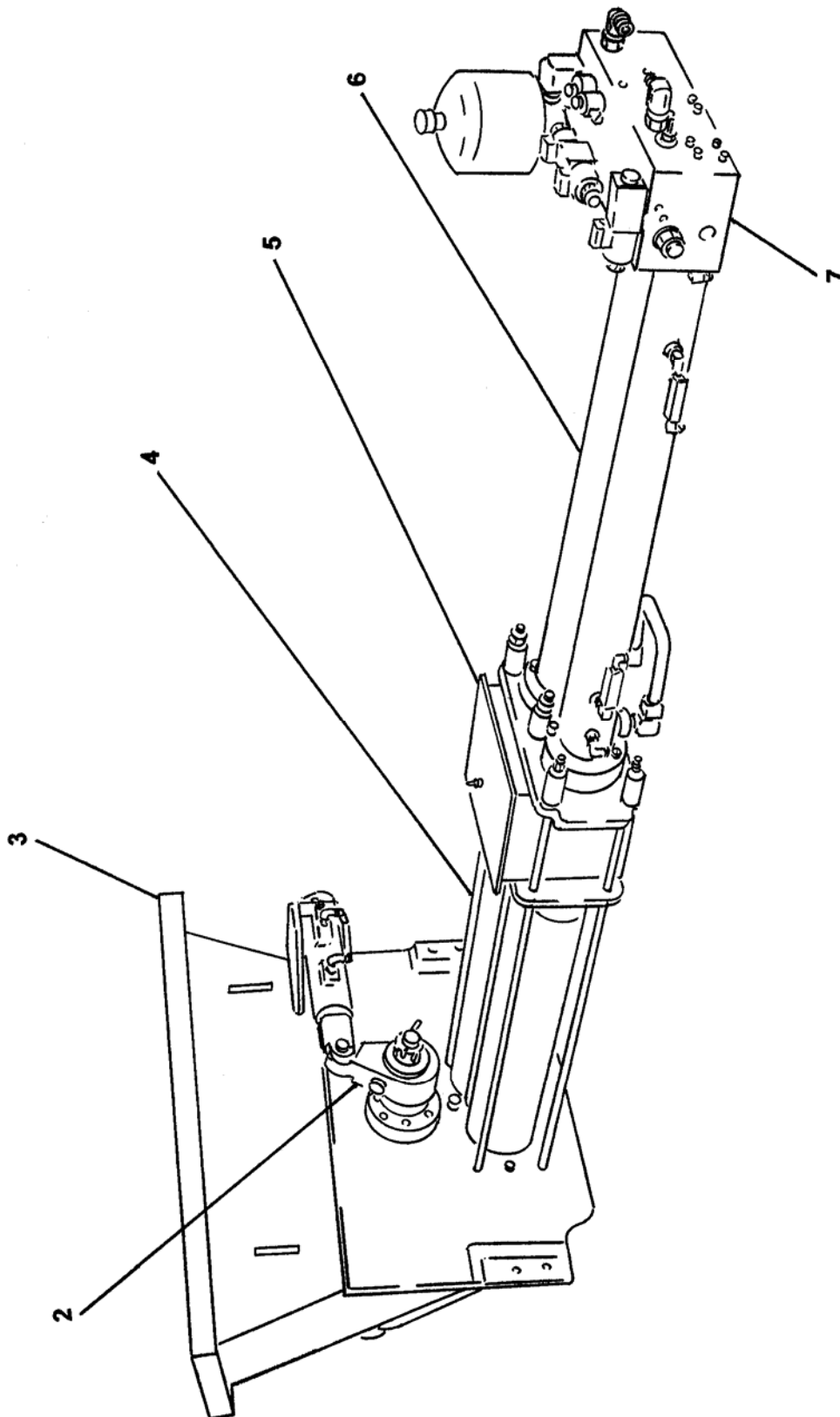
**REED TRAILER MOUNTED CONCRETE PUMP MODEL A30 ILLUSTRATED PARTS
MANUAL GROUP 60 PUMPING TRAIN INSTALLATION** CONTAINS THE
FOLLOWING FIGURES:

- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** PUMPING TRAIN INSTALLATION
- FIGURE 02** SWING VALVE ASSEMBLY
- FIGURE 03** SWING RAM CYLINDER SUB-ASSEMBLY
- FIGURE 04** CONCRETE CYLINDER ASSEMBLY
- FIGURE 05** FLUSHBOX ASSEMBLY
- FIGURE 06** HYDRAULIC DRIVE CYLINDER ASSEMBLY
- FIGURE 07** LEFT HAND SIDE DRIVE CYLINDER SUB-ASSEMBLY
- FIGURE 08** RIGHT HAND SIDE DRIVE CYLINDER SUB-ASSEMBLY
- FIGURE 09** CONTROL MANIFOLD WITH CARTRIDGE ASSEMBLY
- FIGURE 10** REVERSE CIRCUIT PILOTSOLENOID VALVE ASSEMBLY
- FIGURE 11** MAIN CYCLING CIRCUIT PILOT SOLENOID VALVE ASSEMBLY



PUMPING TRAIN INSTALLATION

A30
PARTS
GROUP 60
FIGURE 01
PAGE 01



REVISION:



PUMPING TRAIN INSTALLATION

A30
PARTS
GROUP 60
FIGURE 01
PAGE 02

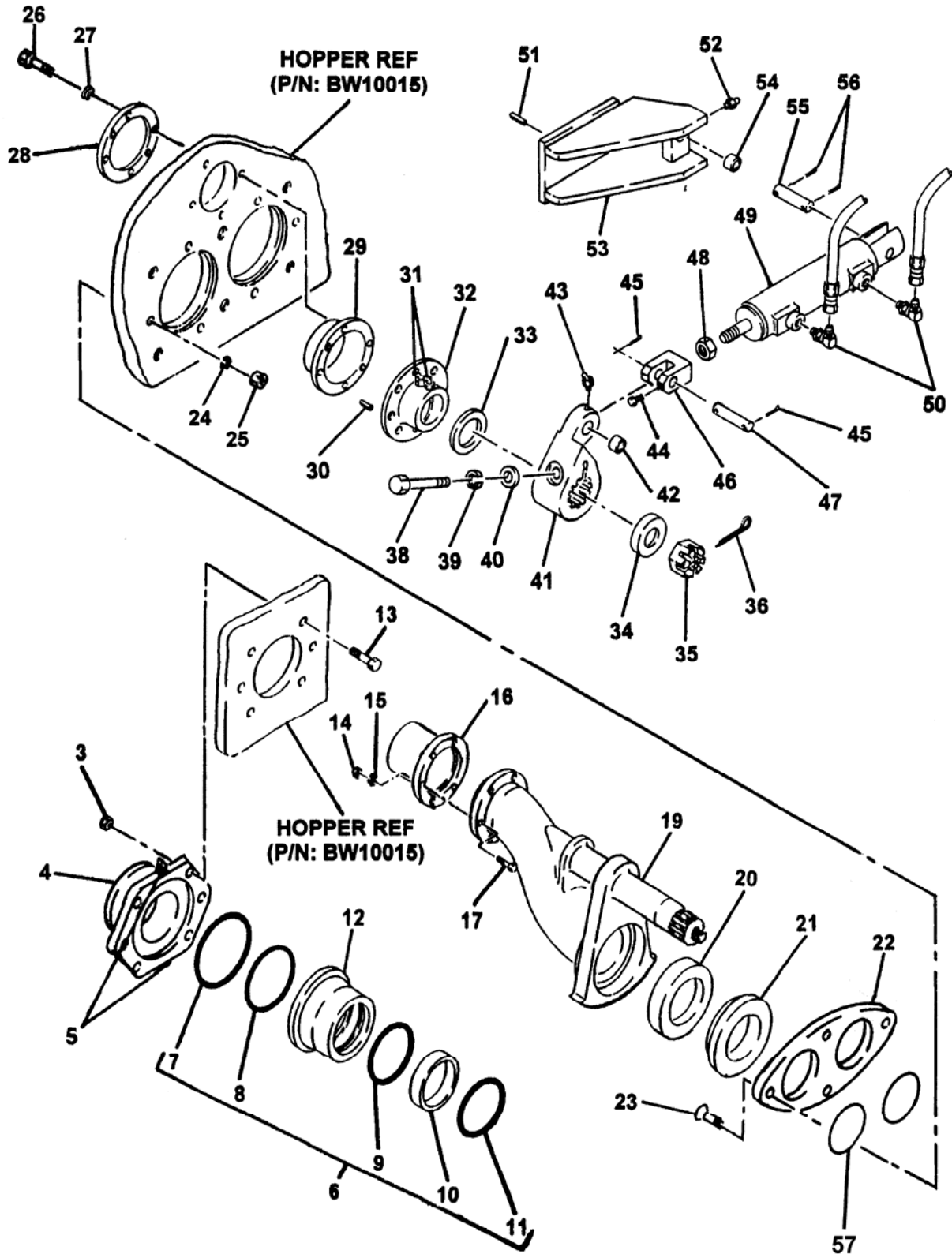
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | 60-01 | Installation, Pumping Train (See Group 10, Figure 01 and Figure 03 for NHA) | Ref |
| 2 | 60-02 | • Assembly, Swing Valve (See Group 60, Figure 02 for DET) | 1 |
| 3 | 20-01 | • Installation, Hopper (See Group 20, Figure 01 for REF) | Ref |
| 4 | BW23000 | • Assembly, Concrete Cylinder (See Group 60, Figure 04 for DET) | 1 |
| 5 | 60-05 | • Assembly, Flushbox (See Group 60, Figure 05 for DET) | 1 |
| 6 | BW21000 | • Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 06 for DET) | 1 |
| 7 | BW10004 | • Assembly, Control Manifold with Cartridge (See Group 60, Figure 09 for DET) | 1 |

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

SWING VALVE ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 02
PAGE 01



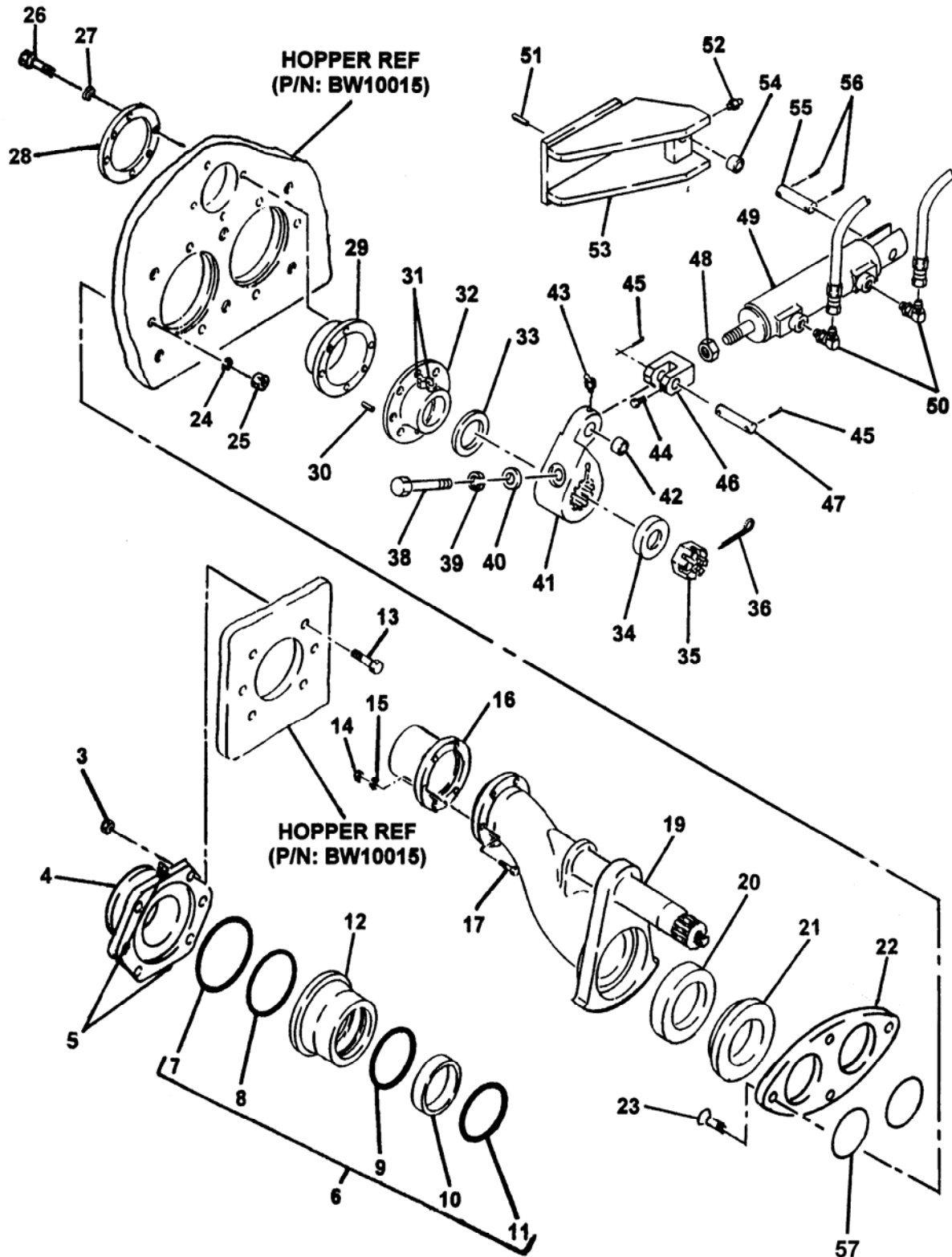
SWING VALVE ASSEMBLY

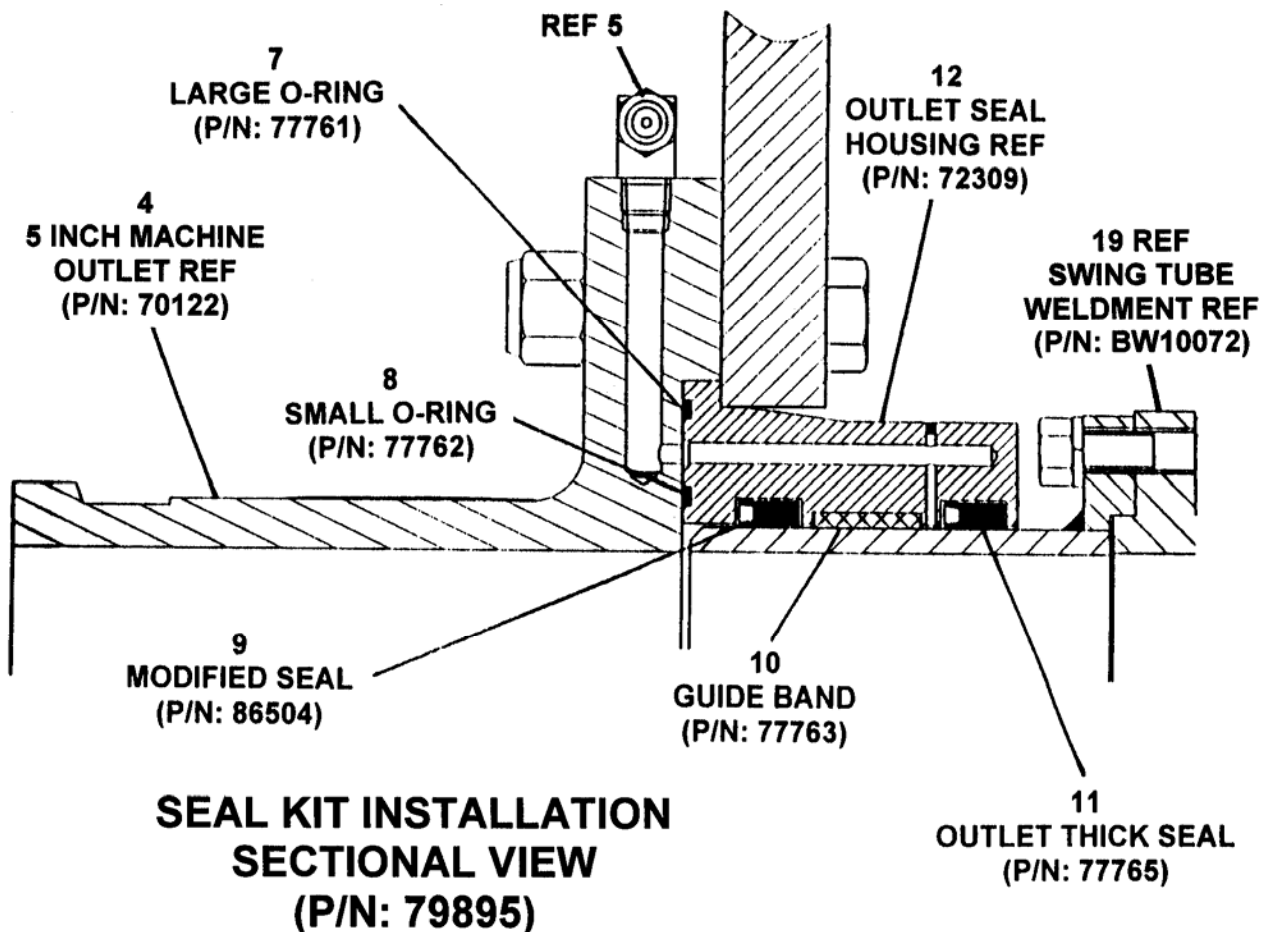
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | 60-02 | Assembly, Swing Valve (See Group 60, Figure 01 for NHA) | Ref |
| -2 | 86321 | • Assembly, Outlet Group | 1 |
| 3 | | • • Nut | 6 |
| 4 | 70122 | • • Outlet, Machine 5" | 1 |
| 5 | | • • Fitting, Grease | 2 |
| 6 | 79895 | • • Kit, Outlet Seal | 1 |
| 7 | 77761 | • • • O-Ring, Large | 1 |
| 8 | 77762 | • • • O-Ring, Small | 1 |
| 9 | 86504 | • • • Seal, Modified Outlet Thick | 1 |
| 10 | 77763 | • • • Band, Guide | 1 |
| 11 | 77765 | • • • Seal, Outlet Thick | 1 |
| 12 | 72309 | • • Housing, Outlet Seal | 1 |
| 13 | | • • Bolt, Hex | 6 |
| 14 | | • • Nut, Nylock (attaching parts) | 6 |
| 15 | | • • Washer, Lock (attaching parts) | 6 |
| 16 | 70042 | • • Outlet, Chromed | 1 |
| 17 | | • • Bolt, Hex (attaching parts) | 6 |
| -18 | BW25000 | • Assembly, Swing Tube Group | 1 |
| 19 | BW10072 | • • Weldment, Swing Tube | 1 |
| 20 | BW10020 | • • Seal, 5 Inch | 1 |
| 21 | BW10021 | • • Ring, 5 Inch Wear | 1 |
| 22 | BW10023 | • • Plate, Wear | 1 |
| 23 | | • • Bolt, Flat Head | 4 |
| 24 | | • • Washer, Lock | 4 |
| 25 | | • • Nut, Hex | 4 |
| 26 | | • • Bolt, Hex | 6 |
| 27 | | • • Washer, Lock | 6 |
| 28 | BW10024 | • • Ring, Space | 1 |
| 29 | 85962 | • • Seal, Flange Bearing | 1 |
| 30 | | • • Pin, Dowel | 1 |
| 31 | | • • Fitting, Grease 90 | 2 |
| 32 | 85133 | • • Bearing, 3 Inch Spline Flange | 1 |
| 33 | 85294 | • • Washer, Thrust | 1 |
| 34 | 85134 | • • Spacer, Swing Tube Nut | 1 |
| 35 | 70825 | • • Nut, Swing Tube | 1 |
| 36 | | • • Pin Cotter | 1 |
| -37 | BW26000 | • Assembly, Swing Tube Shift Group | 1 |
| 38 | | • • Bolt, Hex | 1 |
| 39 | | • • Washer, Flat | 1 |
| 40 | | • • Washer, Lock | 1 |
| 41 | 85131 | • • Crank, 3 Inch Spline Bell | 1 |

DASH (-) ITEM NOT ILLUSTRATED

SWING VALVE ASSEMBLY

A30
PARTS
 GROUP 60
 FIGURE 02
 PAGE 03



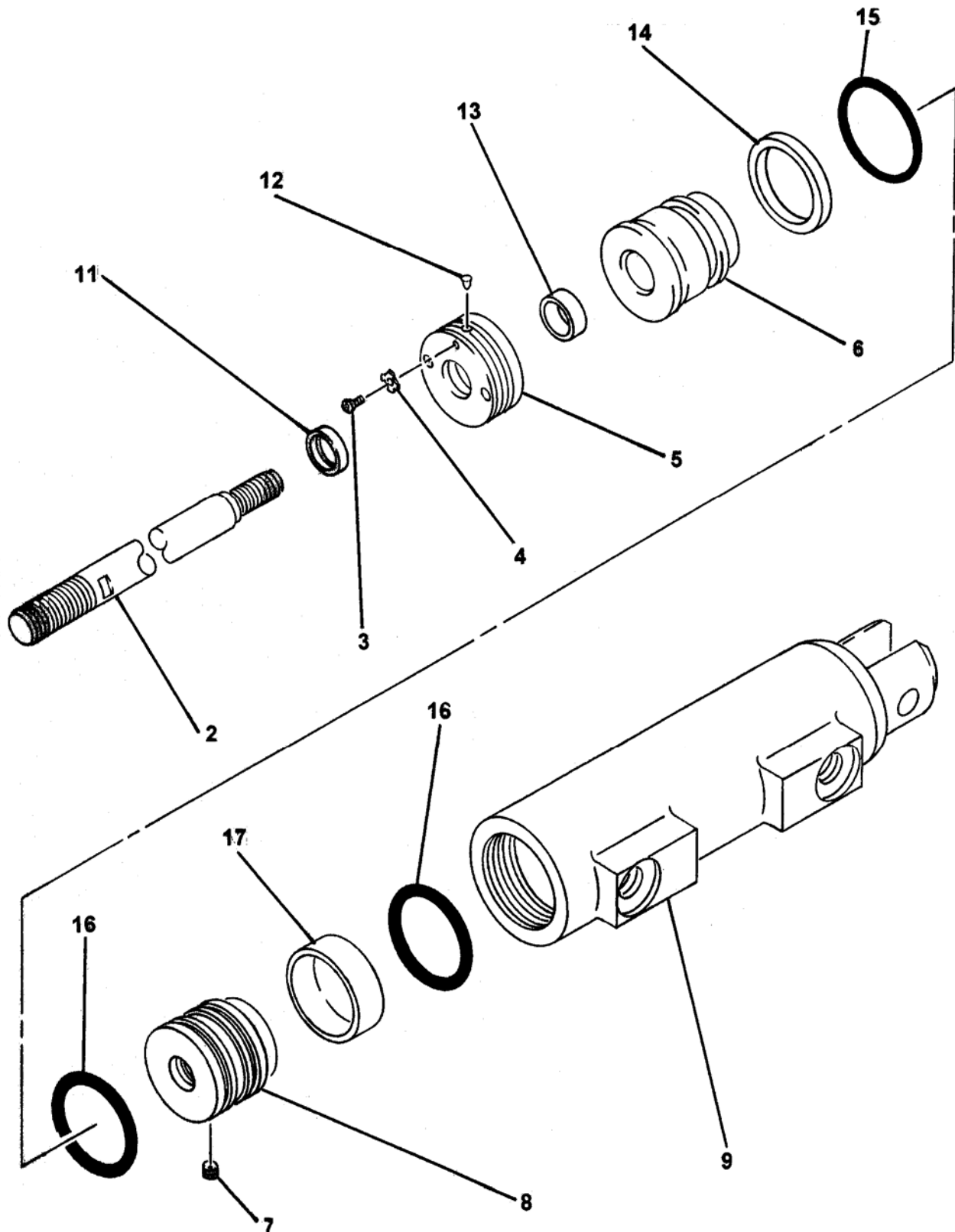


| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|-------------------------------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| 42 | 85538 | • • • Race, Inner | 1 |
| 43 | | • • Fitting, Grease 90 | 1 |
| 44 | | • • Bolt, Hex | 1 |
| 45 | | • • Pin, Cotter | 2 |
| 46 | 86135 | • • Clevis, Swing Ram Cylinder | 1 |
| 47 | 86150 | • • Pin, Clevis | 1 |
| 48 | | • • Nut, Hex | 1 |
| 49 | BW10125 | • • Assembly, Swing Ram Cylinder (See Group 60, Figure 03 for DET) | 1 |
| 50 | | • • Fitting, 90 | 2 |
| 51 | 86052 | • • Pin, Spring | 2 |
| 52 | | • • Fitting, Grease STR | 1 |
| 53 | 85947 | • • Bracket, Swing Cylinder | 1 |
| 54 | 71011 | • • • Bushing, Shift Cylinder | 1 |
| 55 | 74207 | • • Pin, Clevis | 1 |
| 56 | | • • Pin, Cotter | 2 |
| 57 | BW10031 | • • Ring, Anti-Chip 5" | 2 |
| DASH (-) ITEM NOT ILLUSTRATED | | | |



SWING RAM CYLINDER ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 03
PAGE 01



REVISION:



SWING RAM CYLINDER ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 03
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | BW10125 | Assembly, Swing Ram Cylinder (See Group 60, Figure 02 for NHA) | Ref |
| 2 | | • Rod, Cylinder | 1 |
| 3 | | • Screw, Cap | 1 |
| 4 | | • Washer, Lock | 1 |
| 5 | | • Ring, Threaded | 1 |
| 6 | | • Gland, Head | 1 |
| 7 | | • Screw, Set | 1 |
| 8 | | • Piston | 1 |
| 9 | | • Weldment, Cylinder Case | 1 |
| -10 | 86221-SK | • Kit, Seal | 1 |
| 11 | | • • Wiper, Rod | 1 |
| 12 | | • • Plug, Nylon | 1 |
| 13 | | • • U-Cup | 1 |
| 14 | | • • Seal, Back Up | 1 |
| 15 | | • • O-Ring | 1 |
| 16 | | • • Seal, Piston | 2 |
| 17 | | • • Ring, Wear | 1 |

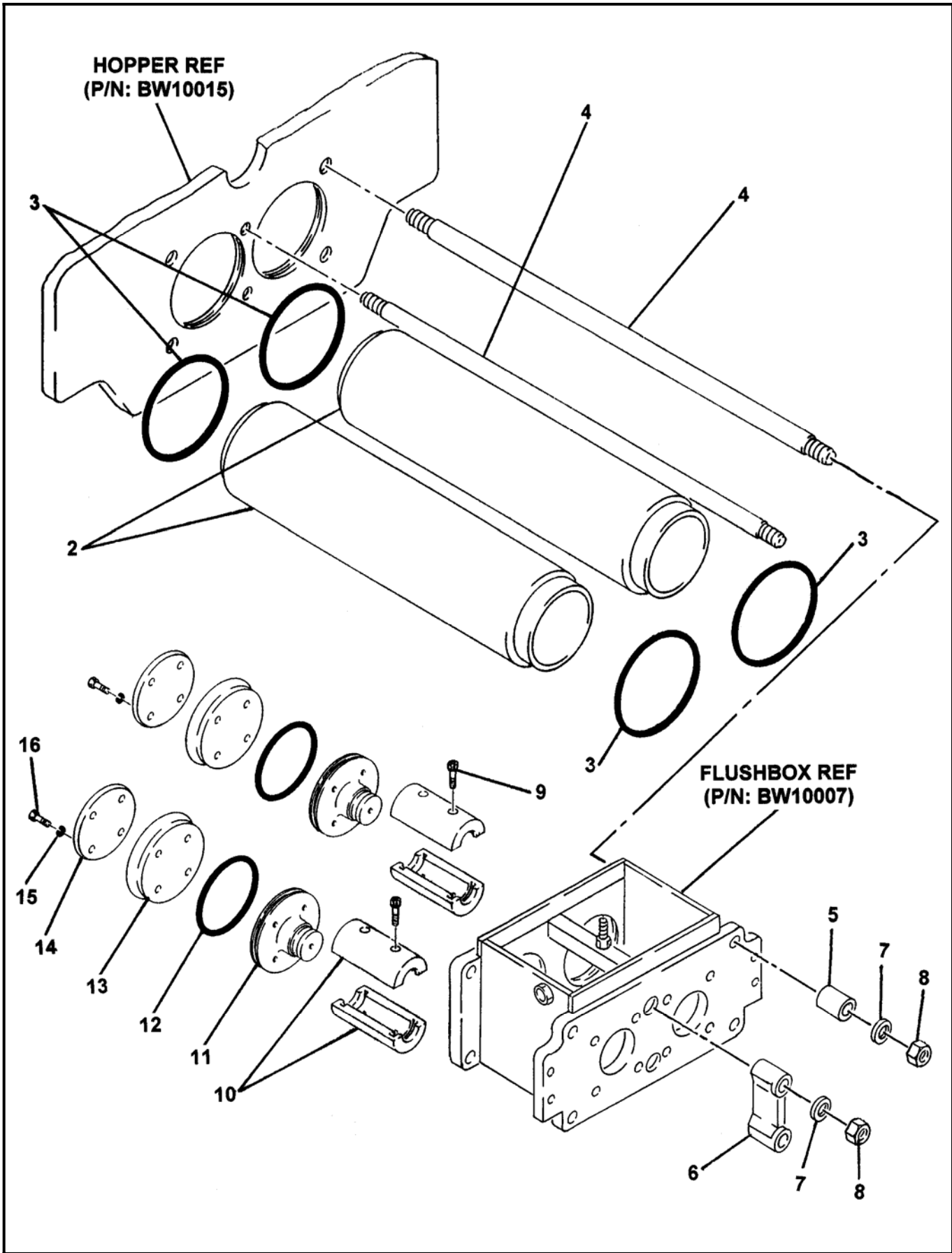
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



CONCRETE CYLINDER ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 04
PAGE 01



REVISION:



CONCRETE CYLINDER ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 04
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | BW23000 | Assembly, Concrete Cylinder (See Group 60, Figure 01 for NHA) | Ref |
| 2 | BW10003 | • Cylinder, Concrete | 2 |
| 3 | BW10028 | • O-Ring, Concrete Cylinder | 4 |
| 4 | BW10018 | • Rod, Tie | 6 |
| 5 | BW10038 | • Spacer, Tie Rod | 4 |
| 6 | BW10016 | • Assembly, Tie Rod Spacer | 1 |
| 7 | | • Washer, Flat (attaching Parts) | 6 |
| 8 | | • Nut, Hex (attaching Parts) | 6 |
| 9 | | • Screw, Cap | 4 |
| 10 | 73425 | • Coupling, Piston | 2 |
| 11 | BW10000 | • Adapter, 5 Inch Piston | 2 |
| 12 | BW10032 | • Ring, 5 Inch Guide | 2 |
| 13 | BW10001 | • Cup, 5 Inch Piston | 2 |
| 14 | BW10002 | • Plate, 5 Inch Piston | 2 |
| 15 | | • Washer, Star (attaching Parts) | 8 |
| 16 | | • Bolt, Hex (attaching Parts) | 8 |

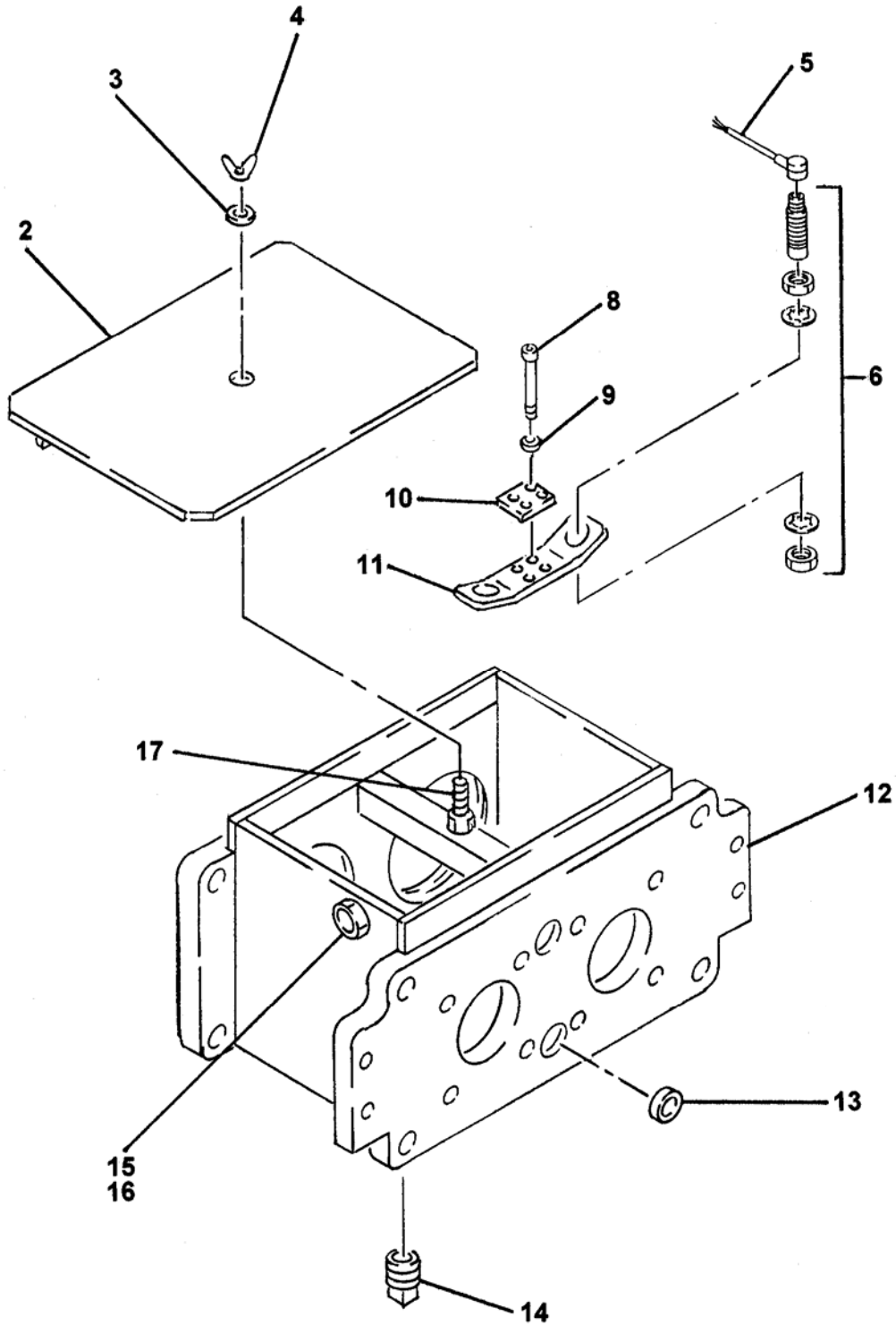
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



FLUSH BOX ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 05
PAGE 01



REVISION:



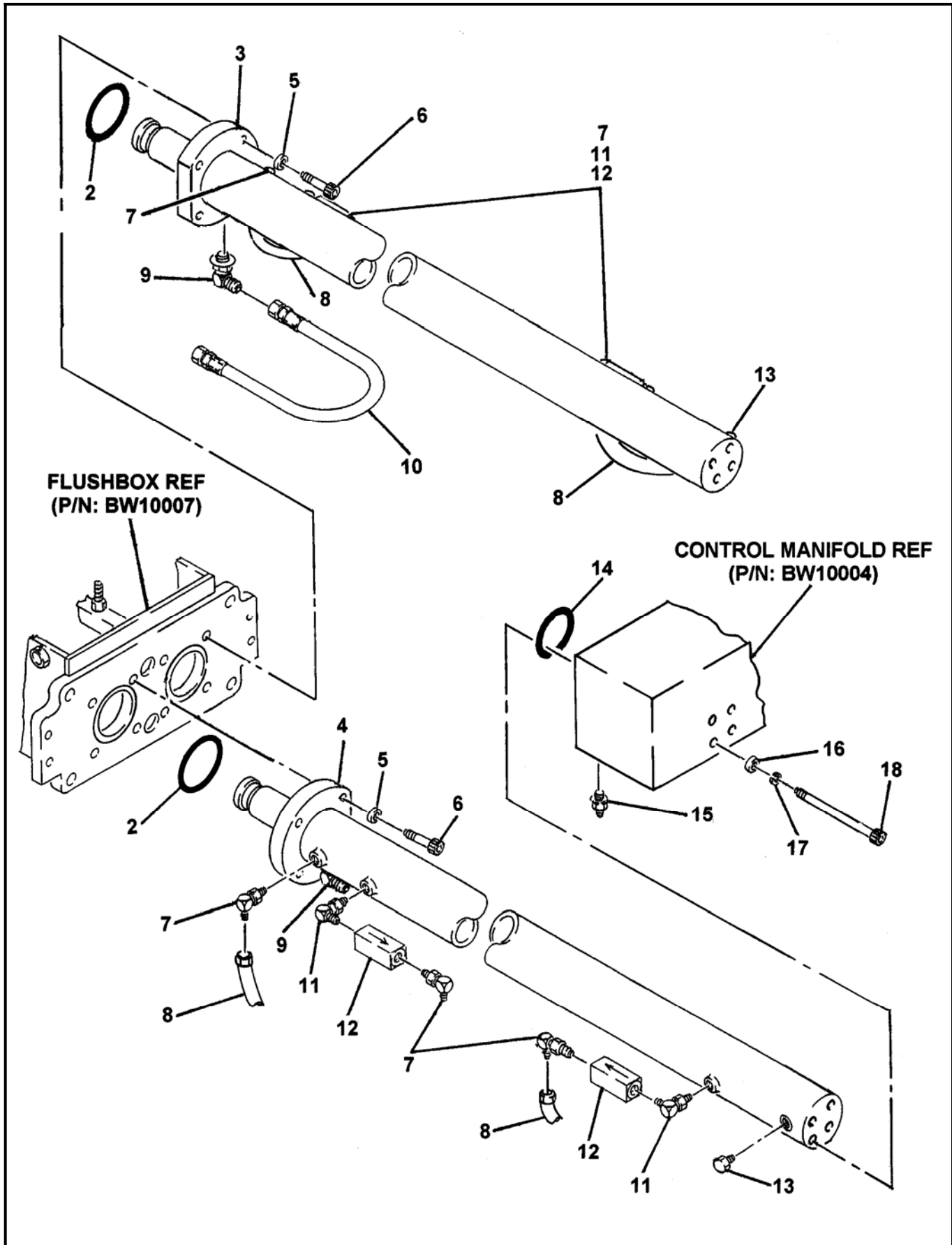
FLUSH BOX ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 05
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | 60-05 | Assembly, Flushbox (See Group 60, Figure 01 for NHA) | Ref |
| 2 | BW10091 | • Weldment, Flush Box Cover | 1 |
| 3 | | • Washer, Flat | 1 |
| 4 | | • Nut, Wing | 1 |
| 5 | 77990 | • Cable, Proximity Switch | 2 |
| 6 | 77998 | • Sensor, Proximity Switch | 2 |
| -7 | BW22000 | • Assembly, Flush Box Group | 1 |
| 8 | | • • Bolt | 4 |
| 9 | | • • Washer, Lock | 4 |
| 10 | BW10102 | • • Bracket, Proximity Switch | 1 |
| 11 | BW10101 | • • Bracket, Proximity Switch | 1 |
| 12 | BW10007 | • • Weldment, 5 Inch Flush Box | 1 |
| 13 | BW10030 | • • Seal, Oil | 4 |
| 14 | 10282 | • • Plug | 1 |
| 15 | 10528 | • • Nut | 1 |
| 16 | 73783 | • • Conduit, Fitting | 1 |
| 17 | | • • Stud | 1 |

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



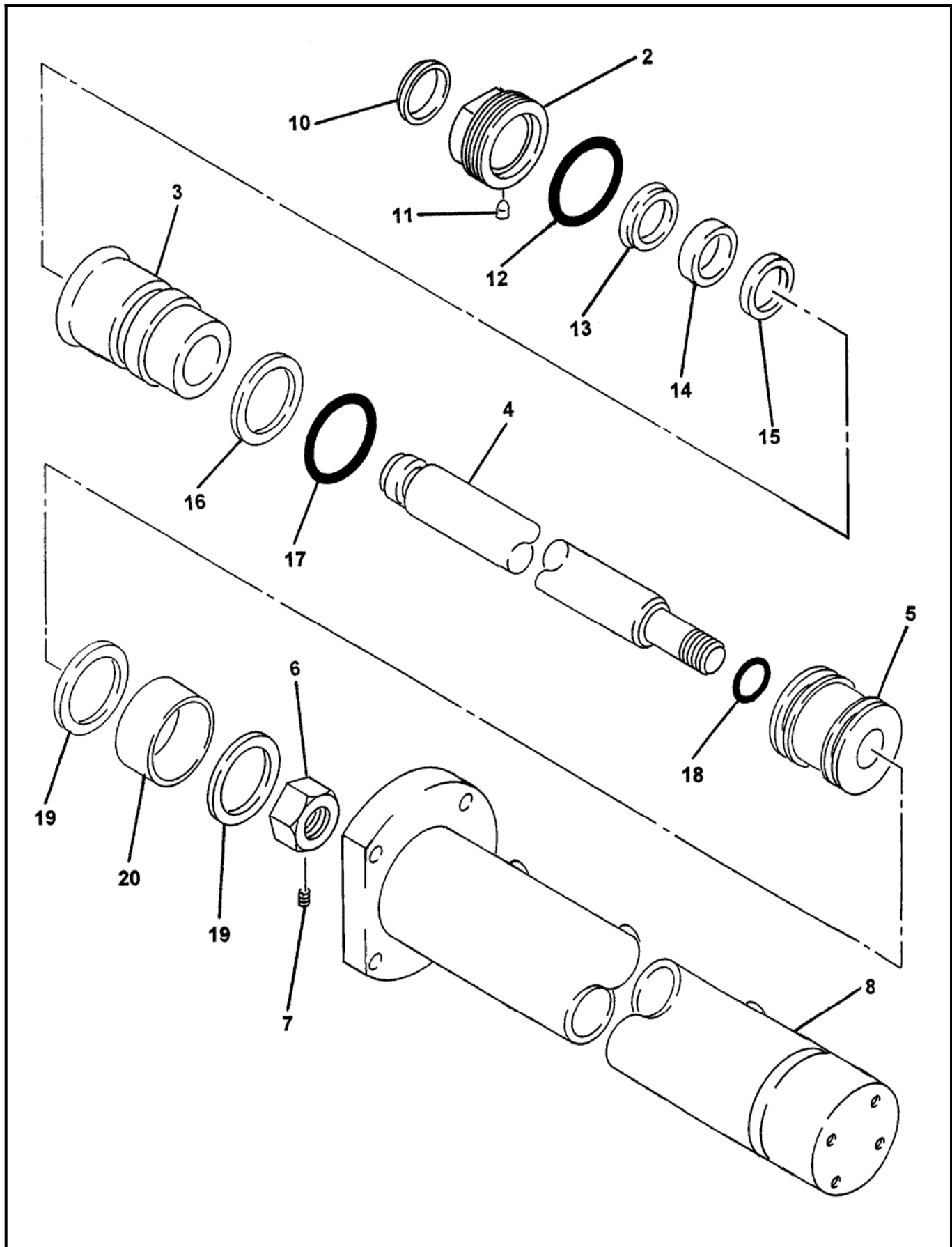
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | BW21000 | Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 01 and Figure 02 for NHA) | Ref |
| 2 | BW10029 | • O-Ring | 2 |
| 3 | BW10120 | • Assembly, Left Hand Side Drive Cylinder (See Group 60, Figure 07 for DET) | 1 |
| 4 | BW10119 | • Assembly, Right Hand Side Drive Cylinder (See Group 60, Figure 08 for DET) | 1 |
| 5 | | • Washer, Lock (attaching parts) | 8 |
| 6 | | • Bolt (attaching parts) | 8 |
| 7 | | • Fitting, 90 | 6 |
| 8 | BW10051 | • Assembly, Hose | 4 |
| 9 | | • Fitting, 90 | 2 |
| 10 | BW10043 | • Assembly, Lube Line Hydraulic Tube | 1 |
| 11 | | • Fitting, 90 | 4 |
| 12 | 78961 | • Valve, Check | 4 |
| 13 | | • Plug | 2 |
| 14 | BW10177 | • O-Ring | 2 |
| 15 | | • Fitting, STR | 2 |
| 16 | BW10155 | • Washer, Hardened | 8 |
| 17 | | • Washer, Lock | 8 |
| 18 | | • Bolt | 8 |

DASH (-) ITEM NOT ILLUSTRATED



LEFT HAND SIDE DRIVE CYLINDER ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 07
PAGE 01





LEFT HAND SIDE DRIVE CYLINDER ASSEMBLY

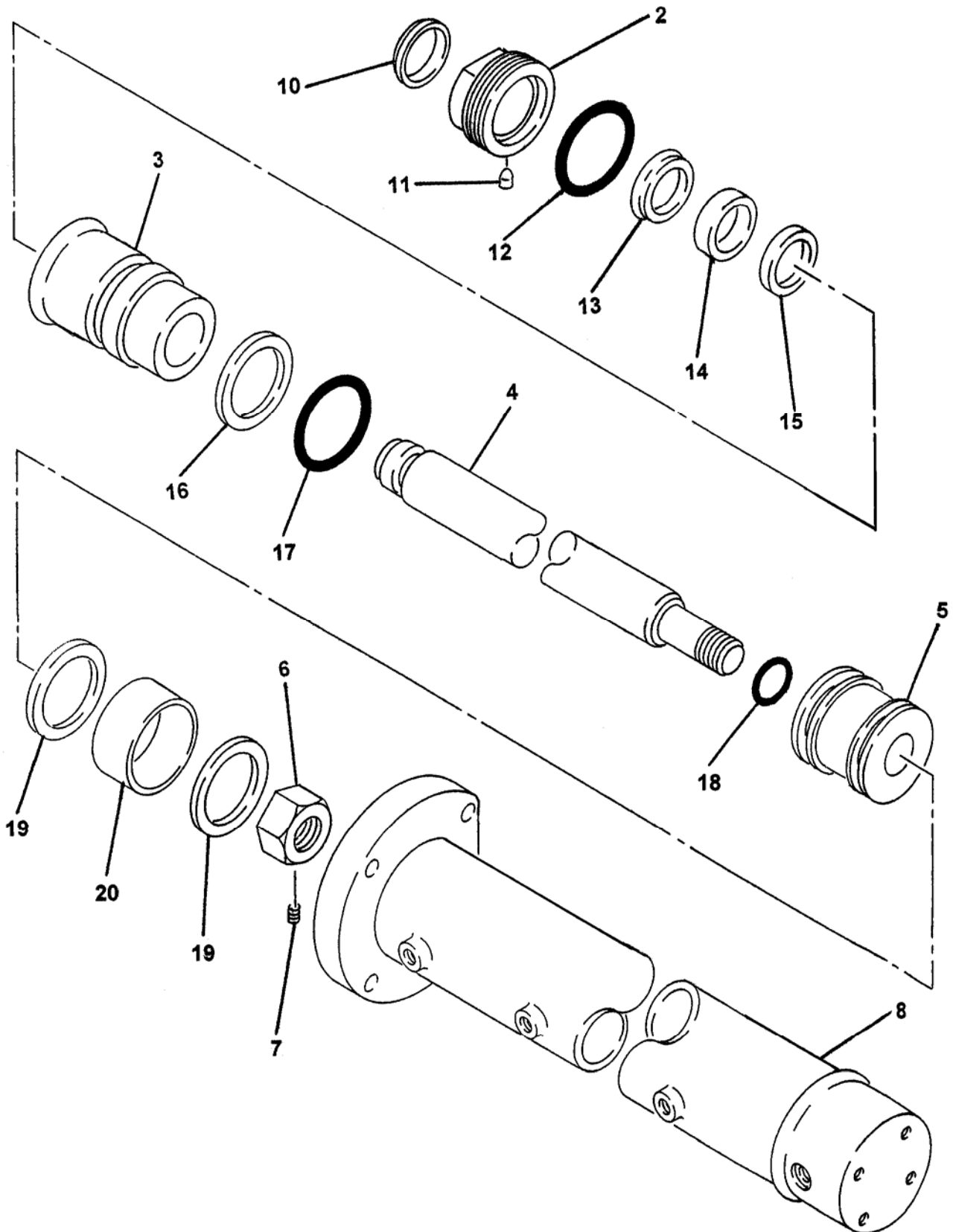
A30
PARTS
GROUP 60
FIGURE 07
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | BW10120 | Assembly, Left Hand Side Drive Cylinder (See Group 60, Figure 06 for NHA) | Ref |
| 2 | | • Ring, Threaded | 1 |
| 3 | | • Gland, Head | 1 |
| 4 | | • Rod, Cylinder | 1 |
| 5 | | • Piston | 1 |
| 6 | | • Nut, Piston | 1 |
| 7 | | • Plug | 1 |
| 8 | | • Weldment, Cylinder Case | 1 |
| -9 | BW10120-SK | • Kit, Seal | 1 |
| 10 | | • • Wiper, Rod | 1 |
| 11 | | • • Plug, Nylon | 1 |
| 12 | | • • O-Ring | 1 |
| 13 | | • • Ring, Back Up | 1 |
| 14 | | • • U-Cup | 1 |
| 15 | | • • Seal, Buffer | 1 |
| 16 | | • • Ring, Back Up | 1 |
| 17 | | • • O-Ring | 1 |
| 18 | | • • O-Ring | 1 |
| 19 | | • • Seal, Piston | 2 |
| 20 | | • • Ring, Wear | 1 |

DASH (-) ITEM NOT ILLUSTRATED

**RIGHT HAND SIDE
DRIVE CYLINDER ASSEMBLY**

A30
PARTS
GROUP 60
FIGURE 08
PAGE 01



REVISION:



RIGHT HAND SIDE DRIVE CYLINDER ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 08
PAGE 02

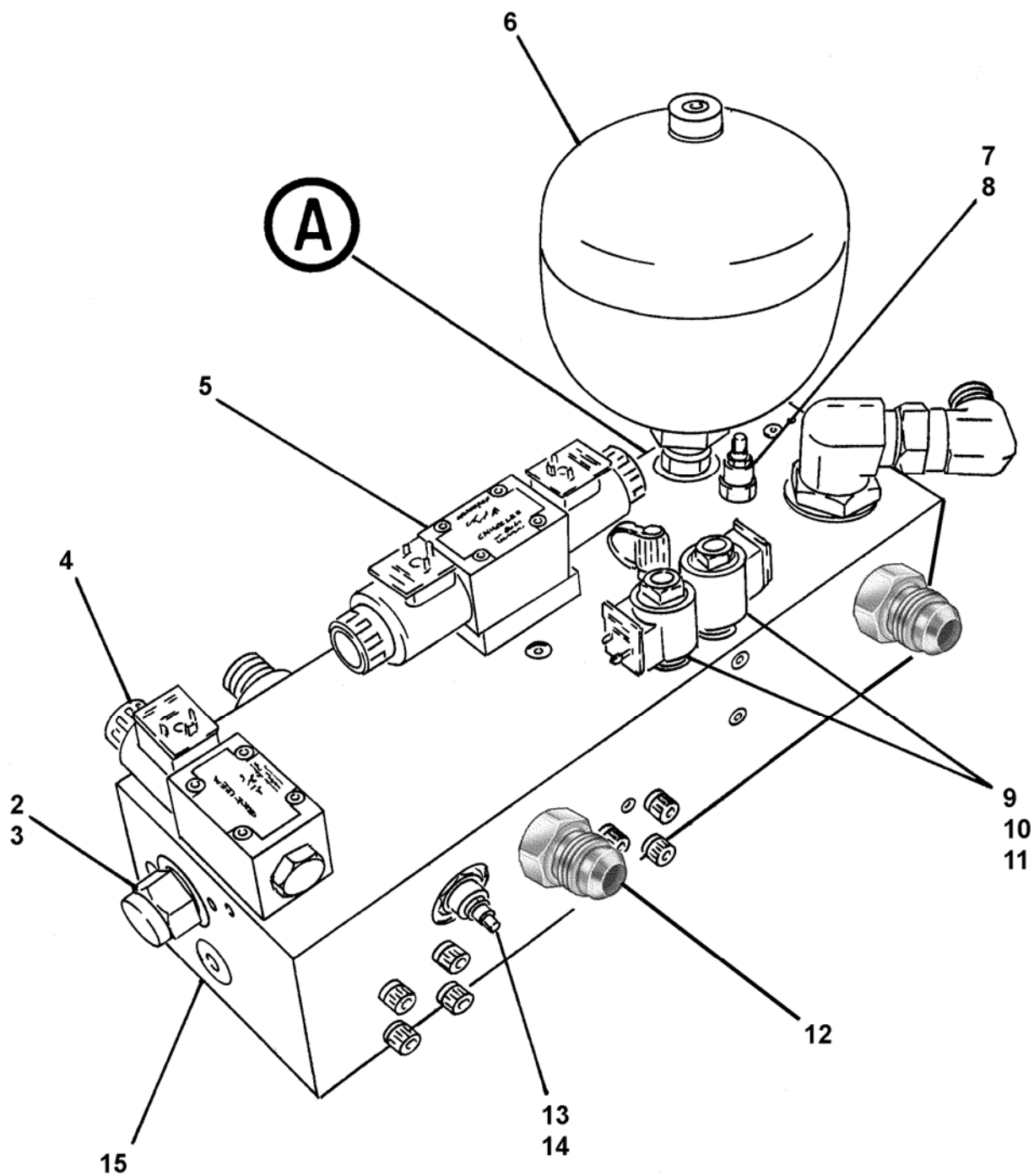
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | BW10119 | Assembly, Right Hand Side Drive Cylinder (See Group 60, Figure 06 for NHA) | Ref |
| 2 | | • Ring, Threaded | 1 |
| 3 | | • Gland, Head | 1 |
| 4 | | • Rod, Cylinder | 1 |
| 5 | | • Piston | 1 |
| 6 | | • Nut, Piston | 1 |
| 7 | | • Plug | 1 |
| 8 | | • Weldment, Cylinder Case | 1 |
| -9 | BW10119-SK | • Kit, Seal | 1 |
| 10 | | • • Wiper, Rod | 1 |
| 11 | | • • Plug, Nylon | 1 |
| 12 | | • • O-Ring | 1 |
| 13 | | • • Ring, Back Up | 1 |
| 14 | | • • U-Cup | 1 |
| 15 | | • • Seal, Buffer | 1 |
| 16 | | • • Ring, Back Up | 1 |
| 17 | | • • O-Ring | 1 |
| 18 | | • • O-Ring | 1 |
| 19 | | • • Seal, Piston | 2 |
| 20 | | • • Ring, Wear | 1 |

DASH (-) ITEM NOT ILLUSTRATED



CONTROL MANIFOLD
WITH CARTRIDGE ASSEMBLY

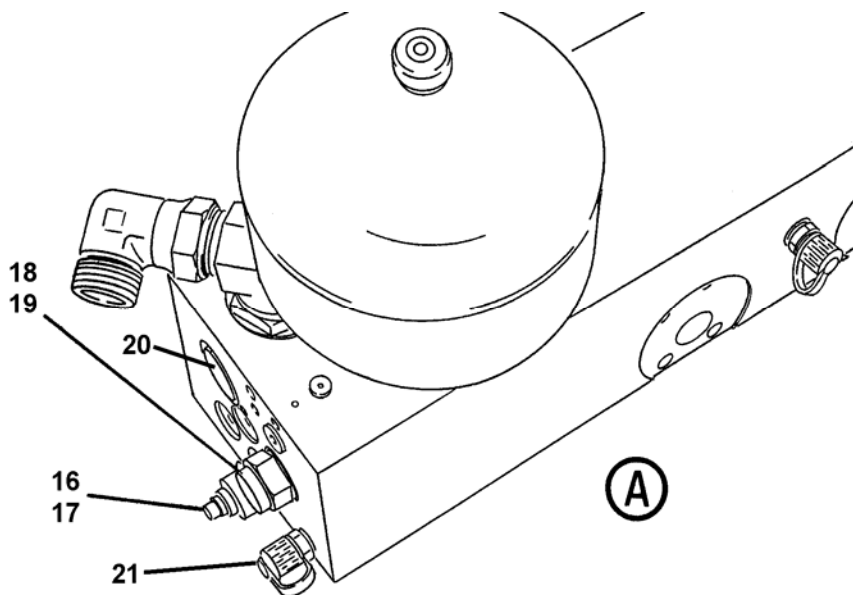
A30
PARTS
GROUP 60
FIGURE 09
PAGE 01



REVISION:

CONTROL MANIFOLD WITH CARTRIDGE ASSEMBLY

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|-------------------------------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | BW10004 | Assembly, Control Manifold with Cartridge (See Group 60, Figure 01 for NHA) | Ref |
| 2 | BW10181 | • Cartridge, Directional Valve | 1 |
| 3 | BW10181-SK | • • Kit, Directional Valve Cartridge Seal | 1 |
| 4 | BW10183 | • Assembly, Reverse Circuit Pilot Solenoid Valve (See Group 60, Figure 10 for DET) | 1 |
| 5 | 85691 | • Assembly, Main Cycling Circuit Pilot Solenoid Valve (See Group 60, Figure 11 for DET) | 1 |
| 6 | BW10184 | • Assembly, 2 Liter Accumulator | 1 |
| 7 | 85704 | • Cartridge, Unloading Valve | 1 |
| 8 | 85704-SK | • • Kit, Unloading Valve Cartridge Seal | 1 |
| 9 | BW10185 | • Poppet, 2 Way Solenoid Valve Less Coil | 2 |
| 10 | BW10186 | • Coil, 2 Way Solenoid Valve | 2 |
| 11 | | • Kit, 2 Way Solenoid Valve Seal | 2 |
| 12 | 86900-028 | • Adapter, MB-MJ-16-16 | 4 |
| 13 | BW10326 | • Cartridge, Relief Valve | 1 |
| 14 | | • • Kit, Relief Valve Cartridge Seal | 1 |
| 15 | BW10325 | • Body, Manifold | 1 |
| 16 | 85703 | • Cartridge, Relief Valve | 1 |
| 17 | 85703-SK | • • Kit, Relief Valve Cartridge Seal | 1 |
| 18 | BW10182 | • Cartridge, Directional Valve | 1 |
| 19 | BW10182-SK | • • Kit, Directional Valve Cartridge Seal | 1 |
| 20 | BW10327 | • Valve, Check | 1 |
| 21 | 78593 | • Adapter, Minicheck | 3 |
| -22 | 86900-024 | • Adapter, MB-MJ-12-16 | 1 |
| -23 | BW10328 | • Adapter, MB-MB-12-12 | 1 |
| -24 | 86900-023 | • Adapter, MB-MJ-12-12 | 2 |
| -25 | 86728-028 | • Elbow, MB-MJ90-20-24 | 1 |
| -26 | 86905-012 | • Elbow, MJ-FJX90-24-24 | 1 |
| -27 | BW10177 | • O-Ring #219 | 2 |
| -28 | BW10329 | • SHCS 10-24 x 2" Long | 8 |
| DASH (-) ITEM NOT ILLUSTRATED | | | |

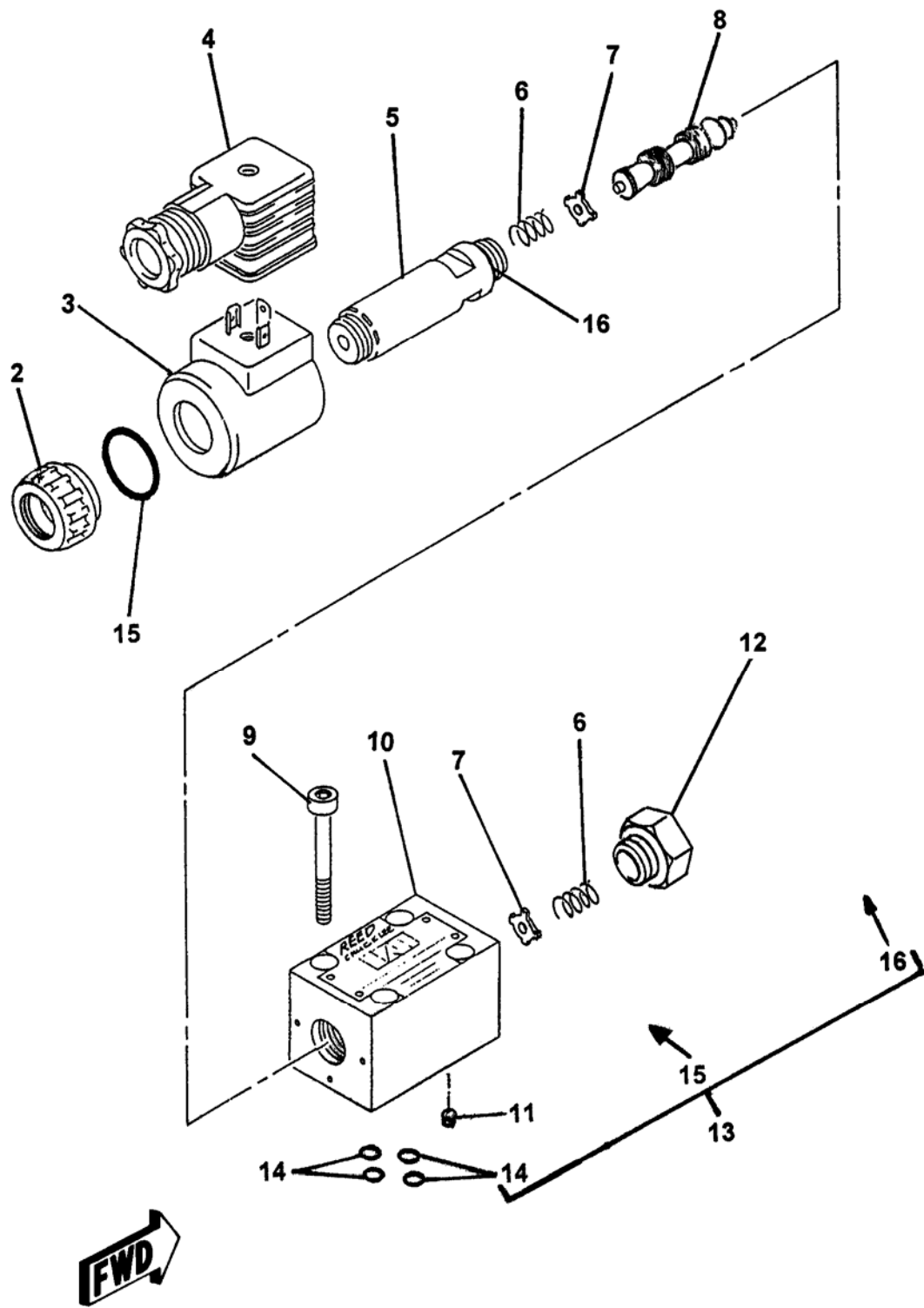


REVISION:



REVERSE CIRCUIT PILOT
SOLENOID VALVE ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 10
PAGE 01





REVERSE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 10
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|-------------|---------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | BW10183 | Assembly, Reverse Circuit Pilot Solenoid Valve (See Group 60, Figure 09 for NHA) | Ref |
| 2 | | • Cap, Coil | 1 |
| 3 | 85692 | • Coil, Drive Cylinder Circuit Main Solenoid | 1 |
| 4 | 74597 | • Connector, Plug | 1 |
| 5 | | • Amature | 1 |
| 6 | | • Spring | 2 |
| 7 | | • Plate, Spring | 2 |
| 8 | | • Spool | 1 |
| 9 | | • Screw, SOC | 4 |
| 10 | | • Housing, Solenoid Valve | 1 |
| 11 | | • Orifice | 1 |
| 12 | | • Plug | 1 |
| 13 | 72313 | • Kit, O-Ring | 1 |
| 14 | | • • O-Ring | 4 |
| 15 | | • • O-Ring | 1 |
| 16 | | • • O-Ring | 1 |

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



MAIN CYCLING CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

A30
PARTS
GROUP 60
FIGURE 11
PAGE 02

| ITEM NO. | REED 'S PARTS NO. | DESCRIPTION | QTY |
|----------|-------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | 85691 | Assembly, Main Cycling Circuit Pilot Solenoid Valve (See Group 60, Figure 09 for NHA) | Ref |
| 2 | | • Cap, Coil | 2 |
| 3 | 85692 | • Coil, Solenoid | 2 |
| 4 | 74597 | • Connector, Plug | 2 |
| 5 | | • Amature | 2 |
| 6 | | • Spool | 1 |
| 7 | | • Screw, SOC | 4 |
| 8 | | • Housing, Solenoid Valve | 1 |
| 9 | | • Detent | 1 |
| 10 | | • Orifice | 1 |
| 11 | 72313 | • Kit, O-ring | 1 |
| 12 | | • • O-Ring | 4 |
| 13 | | • • O-ring | 2 |
| 14 | | • • O-ring | 2 |

DASH (-) ITEM NOT ILLUSTRATED



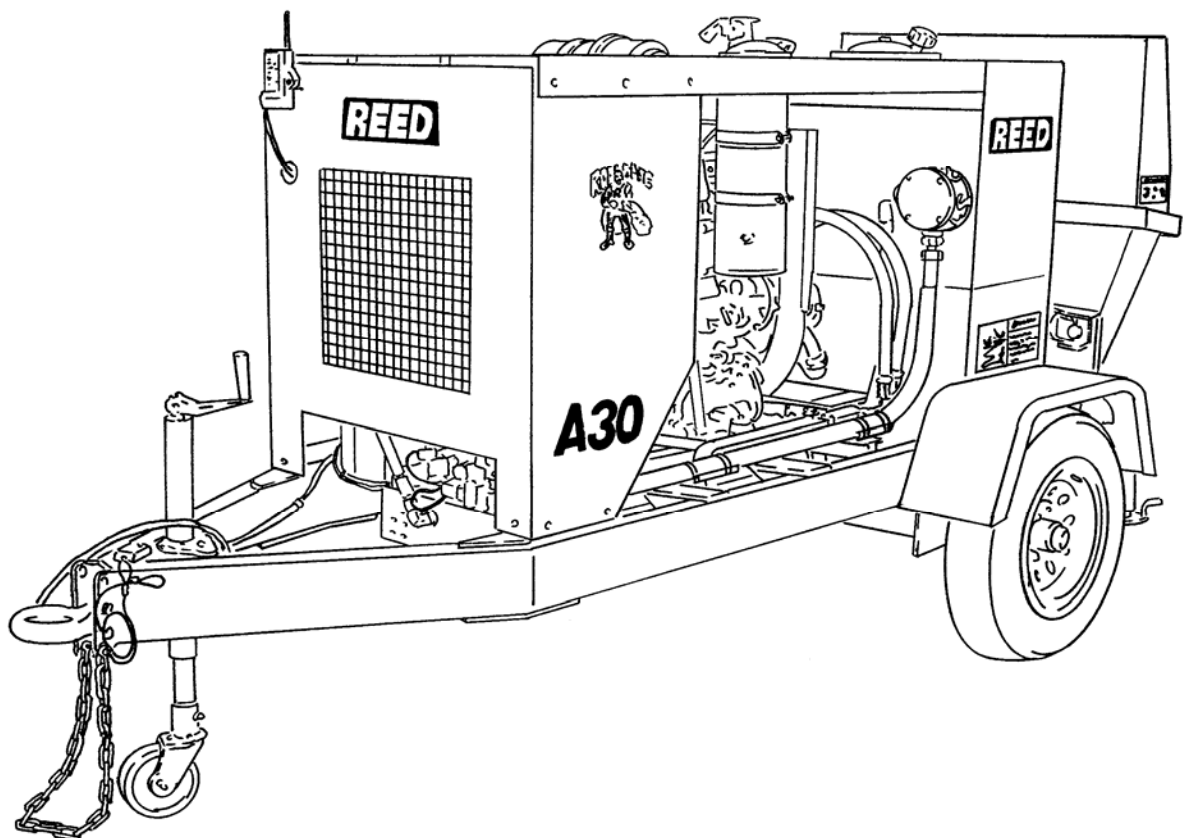
**TRAILER MOUNTED PUM - A30
ILLUSTRATED PARTS MANUAL**

A30
PARTS
GROUP 60
FIGURE 12
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP MODEL **A30** ILLUSTRATED PARTS MANUAL GROUP 70 FRAME INSTALLATION CONTAINS THE FOLLOWING FIGURES:

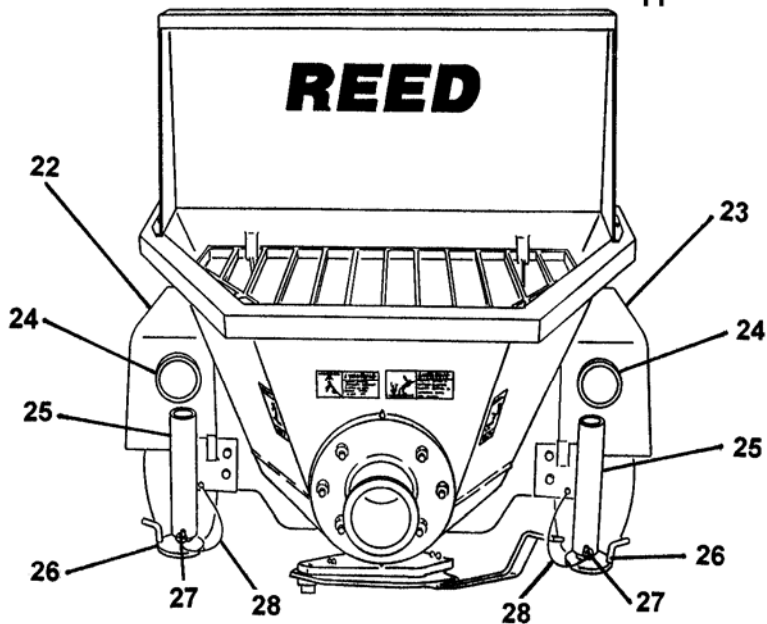
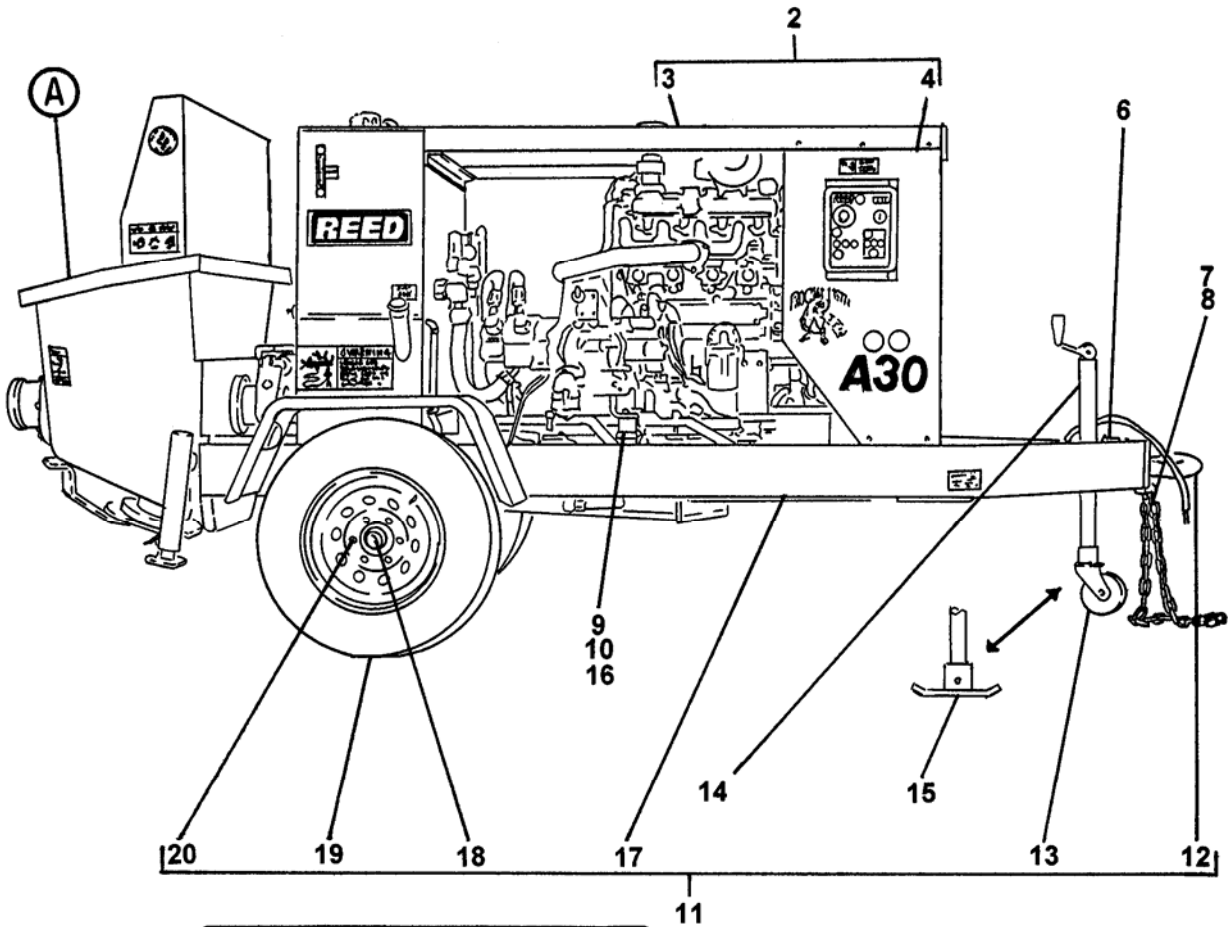
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** FRAME INSTALLATION
- FIGURE 02** HUB AND BRAKE ASSEMBLY
- FIGURE 03** NON-OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY
- FIGURE 04** OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY





FRAME INSTALLATION

A30
PARTS
GROUP 70
FIGURE 01
PAGE 01

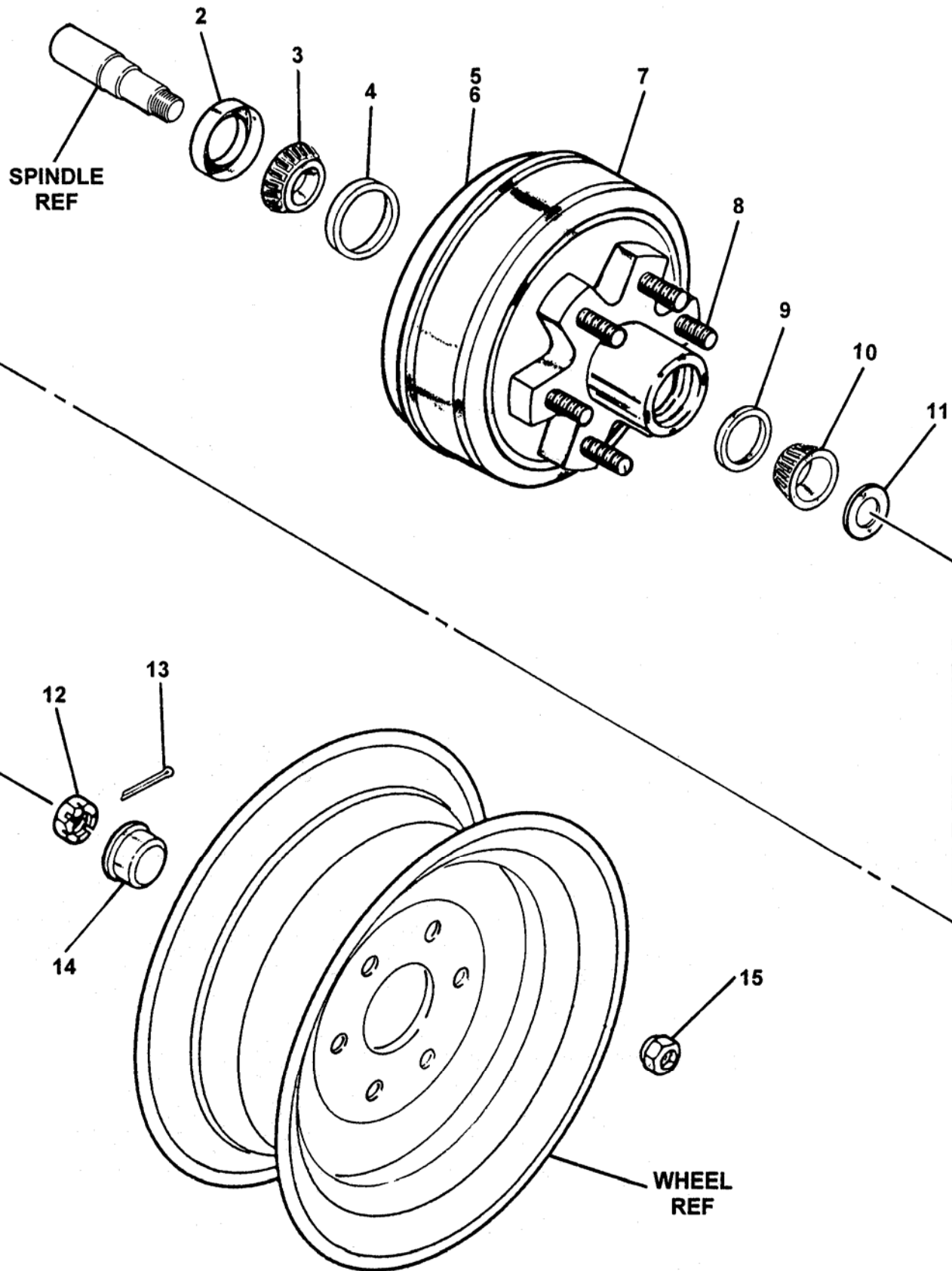


A

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | 70-01 | Installation, Frame (See Group 10, Figure 01 for NHA) | Ref |
| 2 | BW45020 | • Group, Cover | 1 |
| 3 | BW10320 | • • Cover, Engine Top | 1 |
| 4 | BW10251 | • • Cover, Engine Front | 1 |
| -5 | BW41010 | • Group, Frame | 1 |
| 6 | 77705 | • • Kit, Break Away | 1 |
| 7 | 86243 | • • Connector, Chain | 2 |
| 8 | 86242 | • • Chain, 3/8 Proof Coil GR 30 Zinc 6 FT | 1 |
| 9 | BW10266 | • • Engine Mount-Front (Yellow) | 2 |
| 10 | BW10270 | • • Engine Mount-Rear (Green) | 2 |
| 11 | BW10252 | • • Assembly, Frame | 1 |
| 12 | 71051 | • • • Lunette, 3 Inch Eye | 1 |
| 13 | BW10099 | • • • Jack, Caster | 1 |
| 14 | BW10098 | • • • Jack | 1 |
| 15 | BW10169 | • • • Jack, Foot | 1 |
| 16 | BW10267 | • • • Fender Washer-3/4" ID | 4 |
| 17 | BW10250 | • • • Weldment, Frame | 1 |
| 18 | BW10095 | • • • Axle | 1 |
| 19 | BW10096 | • • • Assembly, Tire and Wheel | 2 |
| 20 | 70-02 | • • • Assembly, Hub and Brake (See Group 70, Figure 02 for DET) | 1 |
| -21 | BW10180 | • • • Spacer, Axle Mount | 2 |
| 22 | BW10124 | • • Weldment, Left Fender | 1 |
| 23 | BW10123 | • • Weldment, Right Fender | 1 |
| 24 | 72948 | • • Light, Tail | 2 |
| 25 | BW10114 | • • Weldment, Outrigger Outer Tube | 2 |
| 26 | BW10110 | • • Weldment, Outrigger Inner Leg | 2 |
| 27 | 85595 | • • Pin, Outrigger Safety | 2 |
| 28 | 800418 | • • Lanyard, Q/R Pin | 2 |
| -29 | 85981 | • • Clamp, Loom | 3 |
| -30 | 86759 | • • Grommet, Trailer | 5 |
| -31 | 801902-007 | • • Clamp, Tube-Single | 6 |
| -32 | 801902-001 | • • Nut, Tee-Tube Clamp | 10 |
| | | DASH (-) ITEM NOT ILLUSTRATED | |

HUB AND BRAKE ASSEMBLY

A30
PARTS
GROUP 70
FIGURE 02
PAGE 01



REVISION:



HUB AND BRAKE ASSEMBLY

A30
PARTS
GROUP 70
FIGURE 02
PAGE 02

| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | 70-02 | Assembly, Hub and Brake (Left And Right Side) (See Group 70, Figure 01 for NHA) | Ref |
| 2 | 86709 | • Seal, Double Lip Grease | 2 |
| 3 | 71094 | • Bearing, Inner | 2 |
| 4 | 71092 | • Race, Inner Bearing | 2 |
| 5 | 71056-L | • Assembly, Non-Operator Side Electric Brake (Set) (See Group 70, Figure 03 for DET) | 1 |
| 6 | 71056-R | • Assembly, Operator Side Electric Brake (Set) (See Group 70, Figure 04 for DET) | 1 |
| 7 | | • Assembly, Drum And Hub | 2 |
| 8 | | • Stud, Wheel | 12 |
| 9 | | • Race, Outer Bearing | 2 |
| 10 | | • Bearing, Outer | 2 |
| 11 | | • Washer, Spindle | 2 |
| 12 | | • Nut, Spindle | 2 |
| 13 | | • Pin, Cotter | 2 |
| 14 | | • Cap, Dust | 2 |
| 15 | | • Nut, Wheel | 12 |

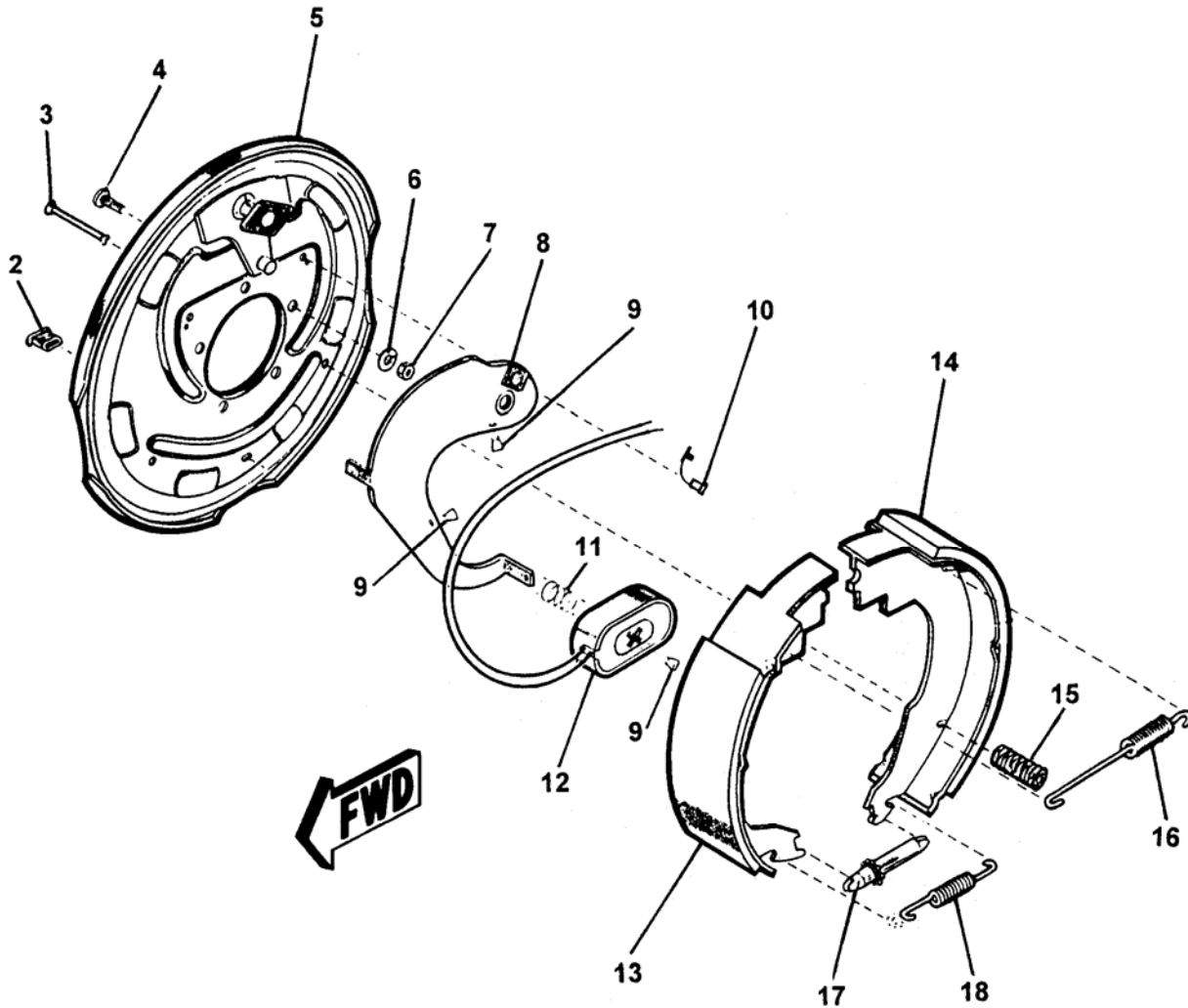
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



NON OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

A30
PARTS
GROUP 70
FIGURE 03
PAGE 01



REVISION:

**NON OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY**

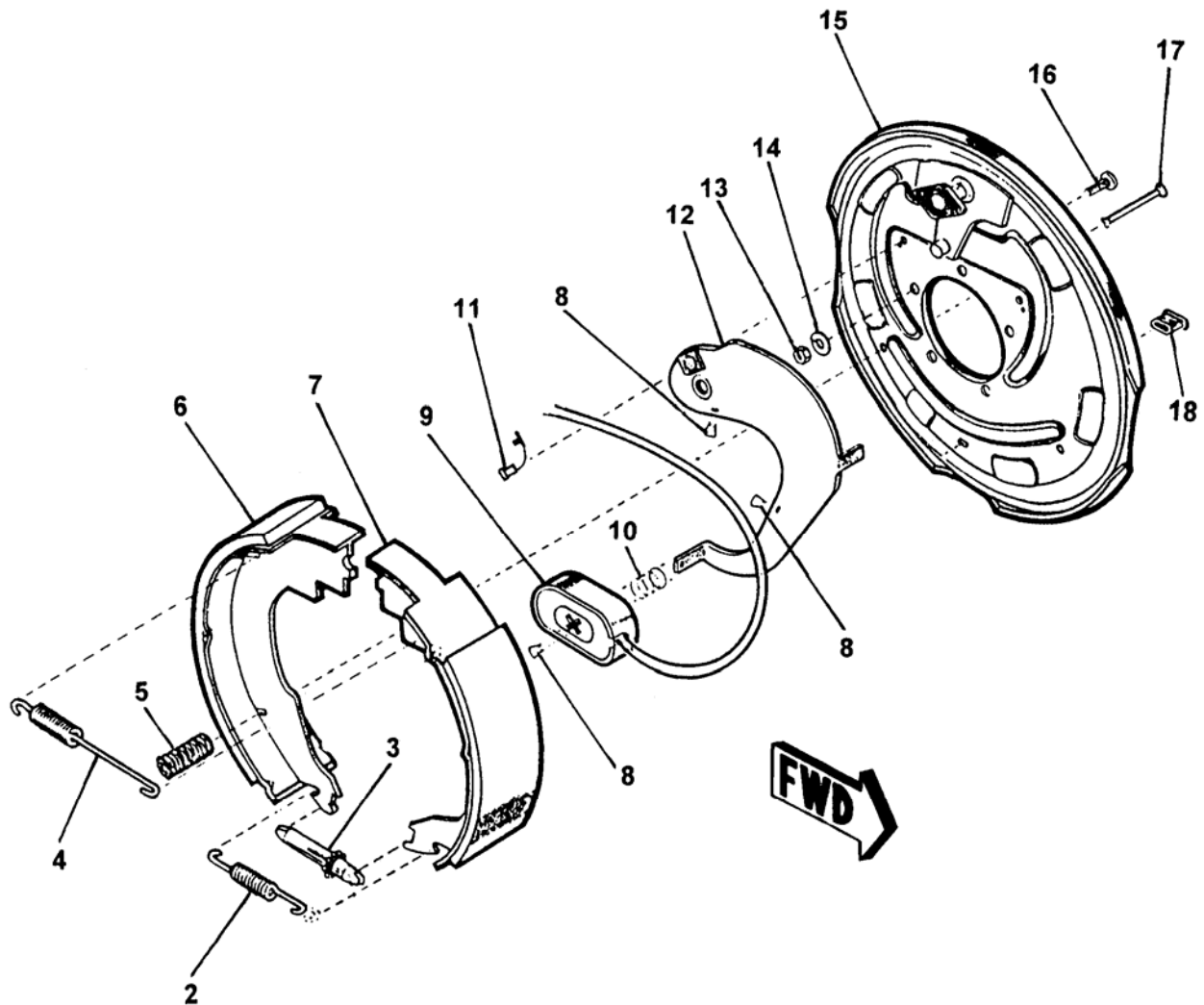
| ITEM NO. | REED 'S PARTS NO. | DESCRIPTION | QTY |
|-------------|----------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | 71056-L | Assembly, Non-Operator Side Electric Brake (See Group 70, Figure 02 for NHA) | Ref |
| 2 | | • Slot, Plug Adjust | 1 |
| 3 | | • Pin, Shoe Hold down | 1 |
| 4 | | • Stud, Brake Mounting | 5 |
| 5 | | • Assembly, Baking Plate | 1 |
| 6 | | • Washer, Brake Lock | 5 |
| 7 | | • Nut, Brake Mounting | 5 |
| 8 | | • Lever, Non-Operator Side | 1 |
| 9 | | • Clip, Wire and Magnet | 3 |
| 10 | | • Relief, Strain | 2 |
| 11 | | • Spring, Magnet | 1 |
| 12 | | • Sub-Assembly, Magnet | 1 |
| 13 | | • Shoe and Lining, Primary | 1 |
| 14 | | • Shoe and Lining, Secondary | 1 |
| 15 | | • Spring, Shoe Hold down | 1 |
| 16 | | • Spring, Shoe Retractor | 1 |
| 17 | | • Sub-Assembly, Adjuster Screw | 1 |
| 18 | | • Spring, Adjuster Screw | 1 |

DASH (-) ITEM NOT ILLUSTRATED



OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

A30
PARTS
GROUP 70
FIGURE 04
PAGE 01



REVISION:



OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

A30
PARTS
GROUP 70
FIGURE 04
PAGE 02

| ITEM NO. | REED 'S PARTS NO. | DESCRIPTION | QTY |
|-------------|----------------------|---|-----|
| | | 1 2 3 4 5 | |
| -1 | 71056-R | Assembly, Operator Side Electric Brake (See Group 70, Figure 02 for NHA) | Ref |
| 2 | | • Spring, Adjuster Screw | 1 |
| 3 | | • Sub-Assembly, Adjuster Screw | 1 |
| 4 | | • Spring, Shoe Retractor | 1 |
| 5 | | • Spring, Shoe Hold down | 1 |
| 6 | | • Shoe and Lining, Secondary | 1 |
| 7 | | • Shoe and Lining, Primary | 1 |
| 8 | | • Clip, Wire and Magnet | 3 |
| 9 | | • Sub-Assembly, Magnet | 1 |
| 10 | | • Spring, Magnet | 1 |
| 11 | | • Relief, Strain | 2 |
| 12 | | • Lever, Operator Side | 1 |
| 13 | | • Nut, Brake Mounting | 5 |
| 14 | | • Washer, Brake Lock | 5 |
| 15 | | • Assembly, Baking Plate | 1 |
| 16 | | • Stud, Brake Mounting | 5 |
| 17 | | • Pin, Shoe Hold down | 1 |
| 18 | | • Slot, Plug Adjust | 1 |

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



**TRAILER MOUNTED PUMP - A30
ILLUSTRATED PARTS MANUAL**

A30
PARTS
GROUP 70
FIGURE 05
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP MODEL **A30** ILLUSTRATED PARTS MANUAL GROUP 80 OPTIONAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

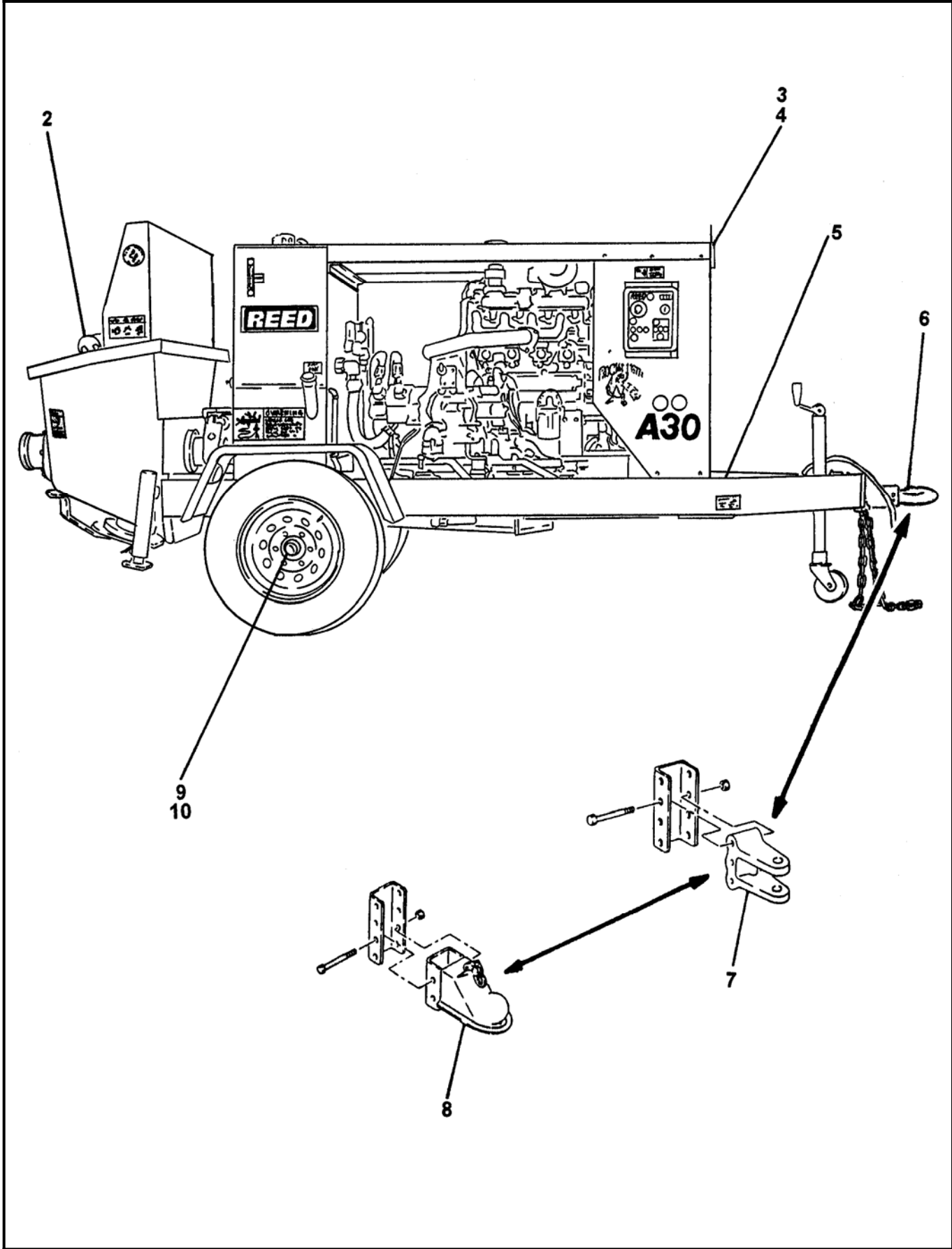
| | |
|------------------|--|
| FIGURE 00 | TABLE OF CONTENTS |
| FIGURE 01 | OPTIONAL INSTALLATION |
| FIGURE 02 | HOPPER VIBRATOR ASSEMBLY |
| FIGURE 03 | OPTIONAL TOOL KIT ASSEMBLY |
| FIGURE 04 | ACTUATOR-SURGE BRAKES ASSEMBLY |
| FIGURE 05 | NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY |
| FIGURE 06 | OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY |





OPTIONAL INSTALLATION

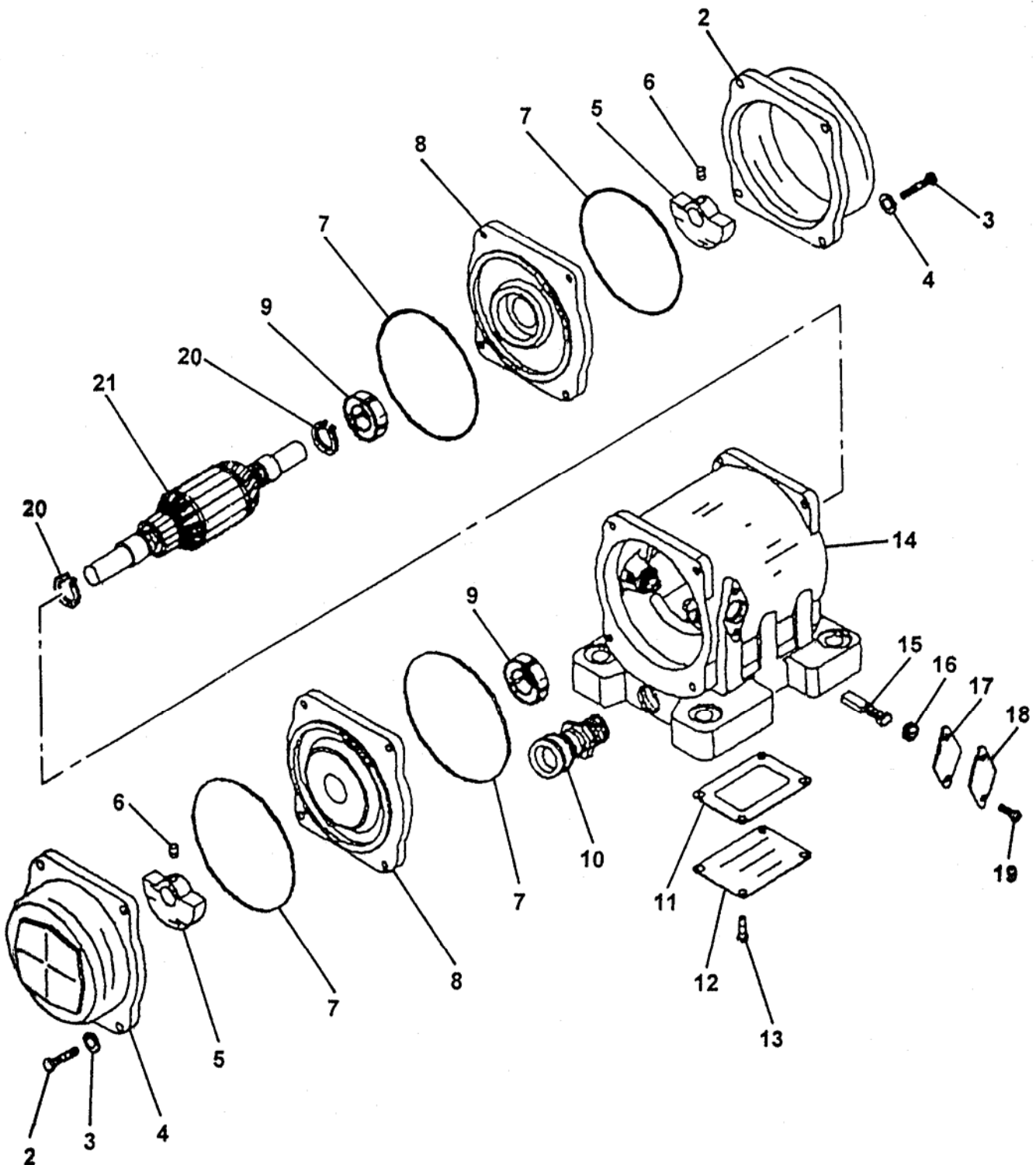
A30
PARTS
GROUP 80
FIGURE 01
PAGE 01



REVISION:

| ITEM NO. | REED 'S PARTS NO. | DESCRIPTION | QTY |
|----------|-------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | 80-01 | Installation, Optional (See Group 10, Figure 01 for NHA) | Ref |
| 2 | 71429 | • Assembly, Hopper Vibration (See Group 80, Figure 02 for DET) | 1 |
| 3 | BW10011 | • Assembly, Radio Remote Control Transmitter (See Group 50, Figure 04 for REF) | 1 |
| 4 | BW10012 | • Assembly, Radio Remote Control Receiver (See Group 50, Figure 04 for REF) | 1 |
| 5 | 79020 | • Assembly, Optional Tool Kit (See Group 80, Figure 03 for DET) | 1 |
| 6 | 75413 | • Assembly, Actuator Brake (See Group 80, Figure 04 for DET) | 1 |
| 7 | 71050 | • Assembly, Adjustable 1 Inch Clevis | 1 |
| 8 | 71099 | • Assembly, Adjustable Ball Coupler 2 – 5/16" | 1 |
| 9 | 80-05 | • Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 05 for DET) | 1 |
| 10 | 80-06 | • Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 06 for DET) | 1 |

DASH (-) ITEM NOT ILLUSTRATED



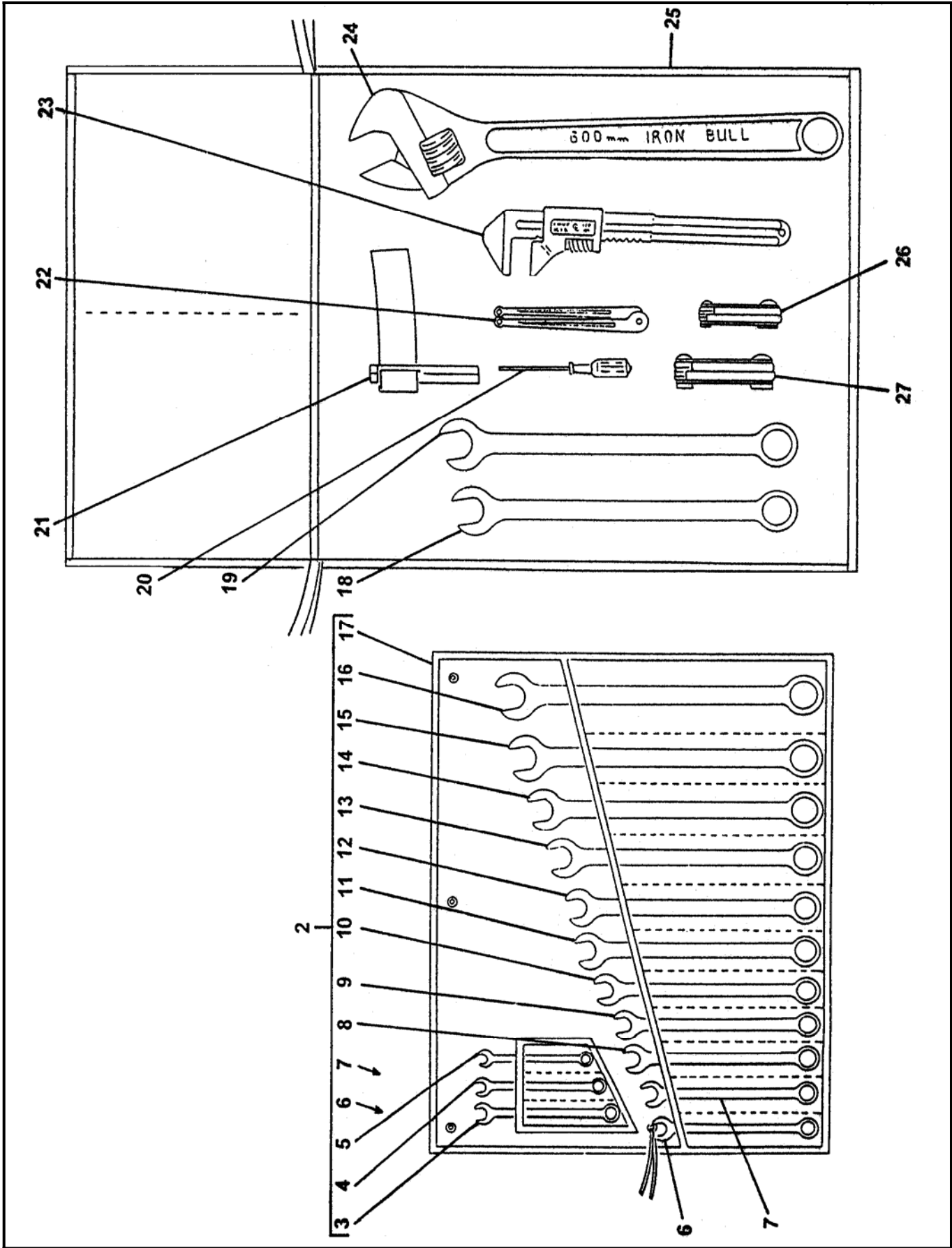
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | 71429 | Assembly, Hopper Vibrator (See Group 80, Figure 01 for NHA) | Ref |
| 2 | | • Cap, End | 2 |
| 3 | | • Bolt (attaching parts) | 8 |
| 4 | | • Washer, Lock (attaching parts) | 8 |
| 5 | | • Weight | 2 |
| 6 | | • Screw, Set (attaching parts) | 2 |
| 7 | | • O-Ring | 4 |
| 8 | | • Bell, End | 2 |
| 9 | | • Bearing | 2 |
| 10 | | • Holder, Cord | 1 |
| 11 | | • Gasket | 1 |
| 12 | | • Cover, Box | 1 |
| 13 | | • Screw (attaching parts) | 4 |
| 14 | | • Sub-Assembly, Housing | 1 |
| 15 | | • Brush | 1 |
| 16 | | • Cap, Brush | 2 |
| 17 | | • Gasket | 2 |
| 18 | | • Cover, Brush | 2 |
| 19 | | • Screw (attaching parts) | 4 |
| 20 | | • Ring, Snap | 2 |
| 21 | | • Assembly, Armature | 1 |

DASH (-) ITEM NOT ILLUSTRATED



OPTIONAL TOOL KIT ASSEMBLY

A30
PARTS
GROUP 80
FIGURE 03
PAGE 01



REVISION:



OPTIONAL TOOL KIT ASSEMBLY

A30
PARTS
GROUP 80
FIGURE 03
PAGE 02

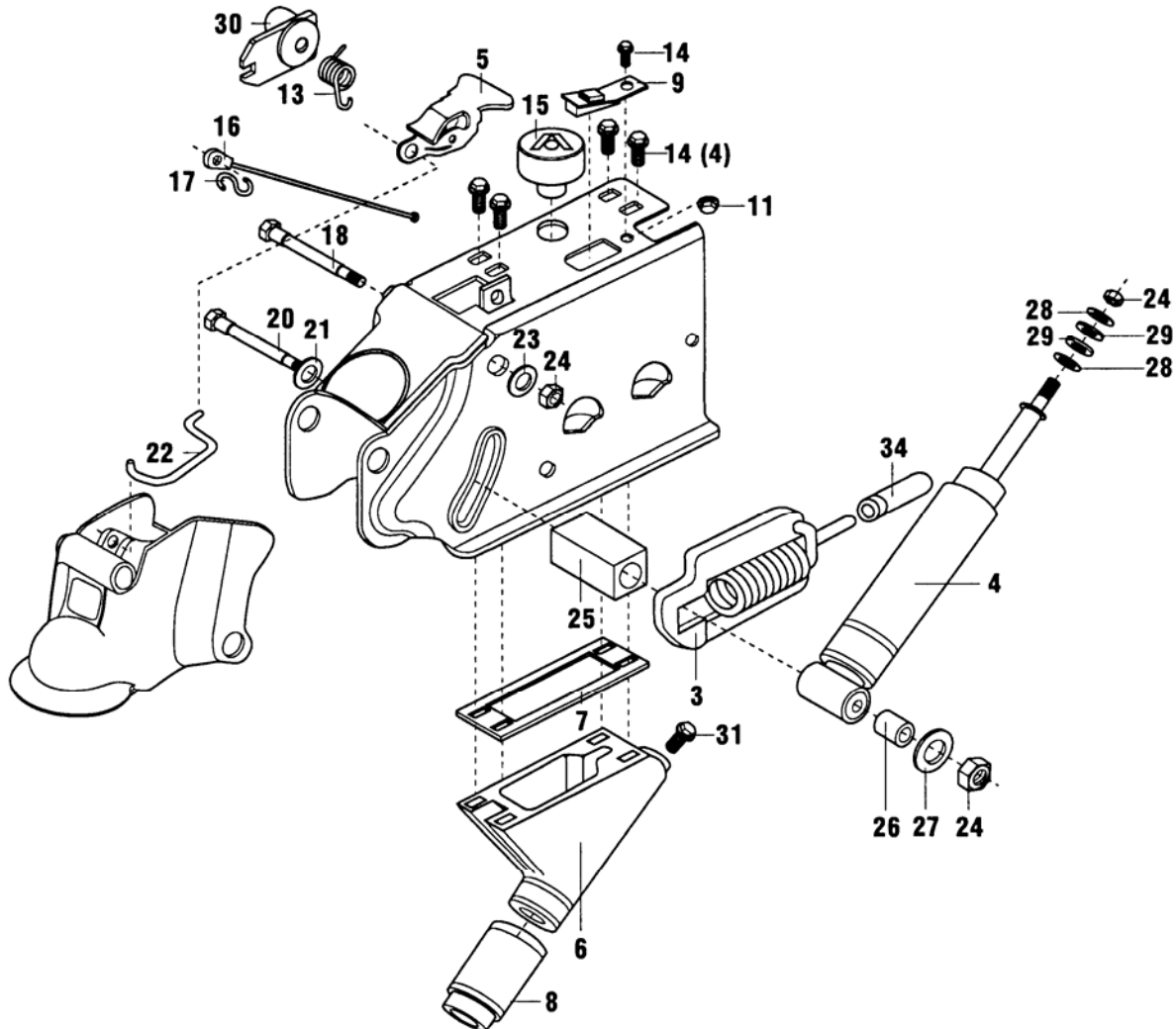
| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | 79020 | Assembly, Optional Tool Kit (See Group 80, Figure 01 for NHA) | Ref |
| 2 | 79037 | • Kit, Wrench | 1 |
| 3 | | • • Wrench, 1/2 Inch | 1 |
| 4 | | • • Wrench, 7/16 Inch | 1 |
| 5 | | • • Wrench, 3/8 Inch | 1 |
| 6 | | • • Wrench, 9/16 Inch | 1 |
| 7 | | • • Wrench, 5/8 Inch | 1 |
| 8 | | • • Wrench, 11/16 Inch | 1 |
| 9 | | • • Wrench, 3/4 Inch | 1 |
| 10 | | • • Wrench, 13/16 Inch | 1 |
| 11 | | • • Wrench, 7/8 Inch | 1 |
| 12 | | • • Wrench, 15/16 Inch | 1 |
| 13 | | • • Wrench, 1 Inch | 1 |
| 14 | | • • Wrench, 1-1/16 Inch | 1 |
| 15 | | • • Wrench, 1-1/8 Inch | 1 |
| 16 | | • • Wrench, 1-1/4 Inch | 1 |
| 17 | | • • Wrap, Plastic | 1 |
| 18 | 79036 | • Wrench, 1-3/8 Inch | 1 |
| 19 | 79028 | • Wrench, 1-1/2 Inch | 1 |
| 20 | 79038 | • Screwdriver | 1 |
| 21 | 79814 | • Wrench, Strap (for Filter) | 1 |
| 22 | 79325 | • Wrench, Spanner | 1 |
| 23 | 79031 | • Wrench, Monkey | 1 |
| 24 | 79032 | • Wrench, Adjustable 24 Inch | 1 |
| 25 | 77502 | • Bag, Tool | 1 |
| 26 | 79030 | • Set, Metric Allen Key (2-8 mm) | 1 |
| 27 | 79029 | • Set, Standard Allen Key (3/16-3/8 Inch) | 1 |

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



| ITEM NO. | REED'S PARTS NO. | DESCRIPTION | QTY |
|----------|------------------|------------------------------------|-----|
| | | 1 2 3 4 5 | |
| - | BW10312 | Assembly, Surge Brake-Model A30 | Ref |
| 1 | BW10310 | • Frame, Modification-Surge Brakes | 1 |
| 2 | 71025 | • Actuator, Surge Brake | 1 |
| 3 | 71052 | • Hydraulic Brake Kit-12 x 2 | 1pr |
| 4 | 87256 | • Brake Line Kit | 1 |
| 5 | 71030 | • Torsion Spring-Brake Kit | 2 |
| | | DASH (-) ITEM NOT ILLUSTRATED | |



HYDRAULIC BRAKE ACTUATORS

TO ORDER: All kit available for field replacement are numbered. Parts illustrated but not numbered are not available for field replacement. Contact factory service department for further information.

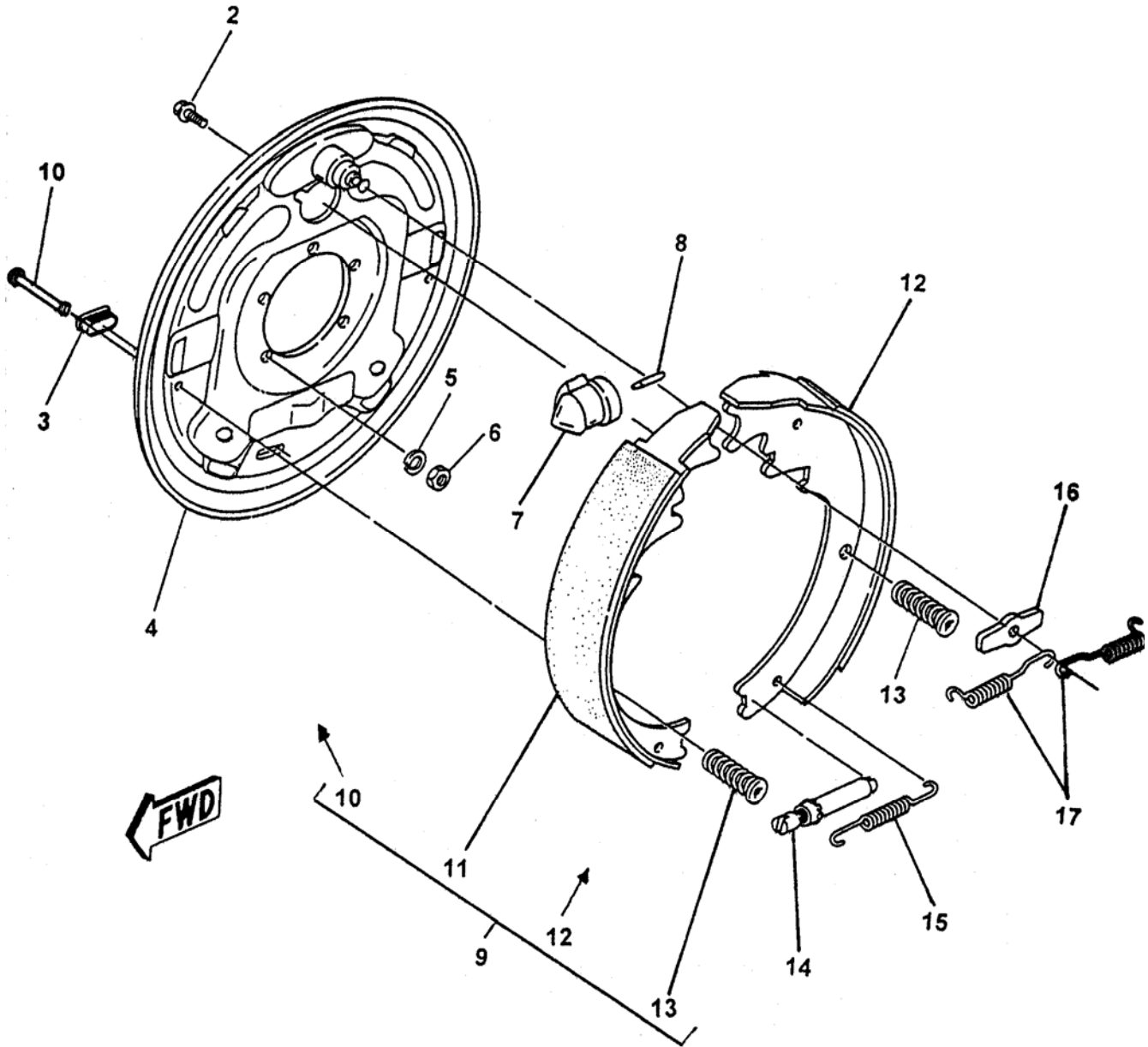
NOTE: Save all attaching hardware when disassembling.

| KIT # | DESCRIPTION | REPLACEMENT KIT INCLUDES |
|-------|--|--|
| 85830 | SHOCK ABSORBER | 4, 24-2 EA. 28-2 EA. 29-2 EA. |
| 87478 | CAP | 15 |
| 85842 | SHOULDER BOLT | 20, 21, 24-2 EA., 25, 26, 27 |
| 85844 | RELEASE HANDLE | 5, 13, 18, 22, 24-3 EA., 30 |
| 85849 | STOP & SPRING ASSEMBLY | 9, 11, 14, 24 |
| 85852 | PUSH ROD ASSEMBLY | 3, 7, 11, 14-5 EA., 16, 17, 24-2 EA., 34, 8, 9 |
| 84258 | BOOT | 8 |
| 80777 | ORIFICE-DISC BRAKE APPLICATIONS ONLY | 31 |
| 85837 | MASTER CYLINDER-PUSH ROD KIT DRUM BRAKE APPLICATION | 3, 6, 7, 8, 9, 11, 14-5 EA., 16, 17, 24-2 EA. 34 |
| 85841 | MASTER CYLINDER DRUM BRAKE APPLICATION | 6, 7, 14-4 EA. MUST ORDER 84258 SEPARATELY |
| 85838 | MASTER CYLINDER-PUSH ROD KIT DISC BRAKE APPLICATION | 3, 6, 7, 8, 9, 11, 14-5 EA., 16, 17, 24-2 EA. 34, 15 |
| 85840 | MASTER CYLINDER DISC BRAKE APPLICATION | 6, 7, 14-4 EA. MUST ORDER 84258 SEPARATELY |



NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

A30
PARTS
GROUP 80
FIGURE 05
PAGE 01



REVISION:

**NON-OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY**

| ITEM NO. | REED 'S PARTS NO. | DESCRIPTION | QTY |
|----------|-------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | 80-05 | Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 01 for NHA) | Ref |
| 2 | | • Screw, with Washer | 1 |
| 3 | | • Plug | 2 |
| 4 | | • Plate, Backing | 1 |
| 5 | | • Washer, Lock (attaching parts) | 5 |
| 6 | | • Nut, Brake Mounting (attaching parts) | 5 |
| 7 | | • Cylinder, Non-Operator Side Brake | 1 |
| 8 | | • Rod, Push | 1 |
| 9 | | • Kit, Non-Operator Side Shoe and Lining | 1 |
| 10 | | • • Pin, Shoe Hold Down | 2 |
| 11 | | • • Primary, Non-Operator Side | 1 |
| 12 | | • • Secondary, Non-Operator Side | 1 |
| 13 | | • • Pin, Shoe Hold Down | 2 |
| 14 | | • Assembly, Adjuster | 1 |
| 15 | | • Spring, Adjusting Screw | 1 |
| 16 | | • Washer, Anchor Post | 1 |
| 17 | | • Spring, Retractor | 2 |

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY**

| ITEM NO. | REED 'S PARTS NO. | DESCRIPTION | QTY |
|-------------|----------------------|--|-----|
| | | 1 2 3 4 5 | |
| -1 | 80-06 | Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 01 for NHA) | Ref |
| 2 | | • Screw, with Washer | 1 |
| 3 | | • Plug | 2 |
| 4 | | • Plate, Backing | 1 |
| 5 | | • Washer, Lock (attaching parts) | 5 |
| 6 | | • Nut, Brake Mounting (attaching parts) | 5 |
| 7 | | • Cylinder, Operator Side Brake | 1 |
| 8 | | • Rod, Push | 1 |
| 9 | | • Kit, Operator Side Shoe and Lining | 1 |
| 10 | | • • Pin, Shoe Hold Down | 2 |
| 11 | | • • Primary, Operator Side | 1 |
| 12 | | • • Secondary, Operator Side | 1 |
| 13 | | • • Pin, Shoe Hold Down | 2 |
| 14 | | • Assembly, Adjuster | 1 |
| 15 | | • Spring, Adjusting Screw | 1 |
| 16 | | • Washer, Anchor Post | 1 |
| 17 | | • Spring, Retractor | 2 |

DASH (-) ITEM NOT ILLUSTRATED



**TRAILER MOUNTED PUMP MODEL A30
ILLUSTRATED PARTS MANUAL**

A30
PARTS
GROUP 80
FIGURE 07
PAGE 01

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