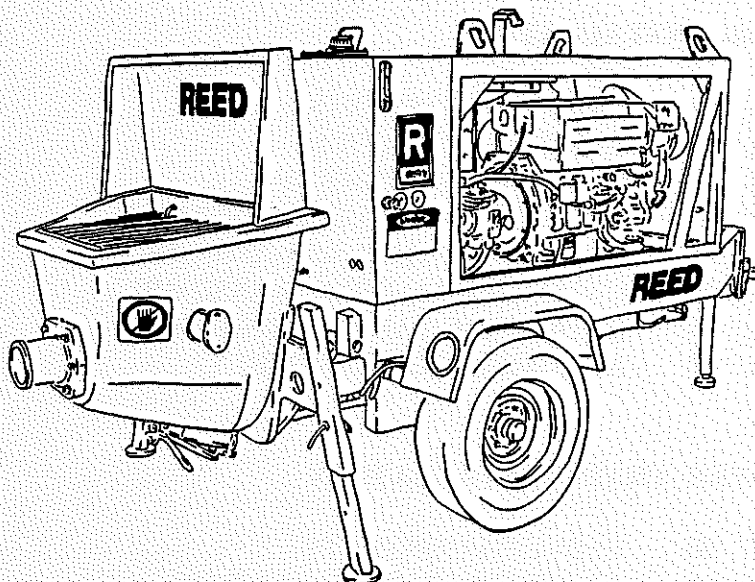


**REED**CONCRETE PLACING  
EQUIPMENT**TRAILER MOUNTED PUMP B30 HO  
ILLUSTRATED PARTS MANUAL****PARTS  
GROUP 00  
FIGURE 00  
PAGE 01**

**REED** TRAILER MOUNTED CONCRETE PUMP MODEL **B30 HO** ILLUSTRATED PARTS MANUAL CONTAINS THE FOLLOWING GROUPS AND FIGURES:

**GROUP 00 HOW TO USE PARTS MANUAL**

- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** HOW TO USE PARTS MANUAL
- FIGURE 02** HOW TO ORDER PARTS

**GROUP 10 FINAL INSTALLATION**

- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** FINAL INSTALLATION WITH STANDARD HOPPER
- FIGURE 02** FINAL INSTALLATION WITH HARSH MIXER HOPPER
- FIGURE 03** DECAL ASSEMBLY

**GROUP 20 HOPPER INSTALLATION**

- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** STANDARD HOPPER INSTALLATION
- FIGURE 02** HARSH MIXER HOPPER INSTALLATION
- FIGURE 03** STANDARD HOPPER REMIXER ASSEMBLY
- FIGURE 04** HARSH MIXER HOPPER REMIXER ASSEMBLY
- FIGURE 05** STANDARD HOPPER REMIXER MOTOR ASSEMBLY
- FIGURE 06** HARSH MIXER HOPPER REMIXER MOTOR ASSEMBLY
- FIGURE 07** AUGER CONTROL VALVE ASSEMBLY
- FIGURE 08** AUGER CONTROL VALVE SUB-ASSEMBLY

REVISION:

**GROUP 30 TANK INSTALLATION**

<b>FIGURE 00</b>	TABLE OF CONTENTS
<b>FIGURE 01</b>	TANK INSTALLATION
<b>FIGURE 02</b>	FUEL TANK ASSEMBLY
<b>FIGURE 03</b>	D05 SOLENOID VALVE ASSEMBLY
<b>FIGURE 04</b>	SOLENOID VALVE SUB-ASSEMBLY
<b>FIGURE 05</b>	UNLOADER MANIFOLD ASSEMBLY
<b>FIGURE 06</b>	HYDRAULIC TANK ASSEMBLY
<b>FIGURE 07</b>	ACCUMULATOR ASSEMBLY

**GROUP 40 POWER TRAIN INSTALLATION**

<b>FIGURE 00</b>	TABLE OF CONTENTS
<b>FIGURE 01</b>	POWER TRAIN INSTALLATION
<b>FIGURE 02</b>	HYDRAULIC PUMPS ASSEMBLY
<b>FIGURE 03</b>	DOUBLE AUXILIARY PUMP ASSEMBLY
<b>FIGURE 04</b>	MAIN PUMP ASSEMBLY
<b>FIGURE 05</b>	BATTERY MOUNTING ASSEMBLY
<b>FIGURE 06</b>	AUXILIARY PUMP ASSEMBLY

**GROUP 50 CONTROLS INSTALLATION**

<b>FIGURE 00</b>	TABLE OF CONTENTS
<b>FIGURE 01</b>	CONTROLS INSTALLATION
<b>FIGURE 02</b>	CONTROL BOX ASSEMBLY
<b>FIGURE 03</b>	REMOTE CONTROL ASSEMBLY

**GROUP 60 PUMPING TRAIN INSTALLATION**

<b>FIGURE 00</b>	TABLE OF CONTENTS
<b>FIGURE 01</b>	PUMPING TRAIN INSTALLATION
<b>FIGURE 02</b>	SWING VALVE ASSEMBLY
<b>FIGURE 03</b>	SWING RAM CYLINDER SUB-ASSEMBLY
<b>FIGURE 04</b>	CONCRETE CYLINDER ASSEMBLY
<b>FIGURE 05</b>	FLUSHBOX ASSEMBLY
<b>FIGURE 06</b>	HYDRAULIC DRIVE CYLINDER ASSEMBLY
<b>FIGURE 07</b>	HYDRAULIC DRIVE CYLINDER SUB-ASSEMBLY
<b>FIGURE 08</b>	MAIN VALVE ASSEMBLY
<b>FIGURE 09</b>	DIRECTIONAL CONTROL VALVE SUB-ASSEMBLY
<b>FIGURE 10</b>	SOLENOID VALVE SUB-ASSEMBLY

**GROUP 70 FRAME INSTALLATION**

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

**GROUP 80 OPTIONAL INSTALLATION**

<b>FIGURE 00</b>	TABLE OF CONTENTS
<b>FIGURE 01</b>	OPTIONAL INSTALLATION
<b>FIGURE 02</b>	WASH PUMP ASSEMBLY
<b>FIGURE 03</b>	WASH WATER PUMP ASSEMBLY
<b>FIGURE 04</b>	WASH PUMP MOTOR ASSEMBLY
<b>FIGURE 05</b>	HOPPER VIBRATOR ASSEMBLY
<b>FIGURE 06</b>	ACTUATOR BRAKE ASSEMBLY
<b>FIGURE 07</b>	ACCUMULATOR CHARGE KIT
<b>FIGURE 08</b>	BLADDER REPAIR KIT
<b>FIGURE 09</b>	NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
<b>FIGURE 10</b>	OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
<b>FIGURE 11</b>	12 VOLT LUBE PUMP ASSEMBLY
<b>FIGURE 12</b>	OPTIONAL TOOL KIT ASSEMBLY
<b>FIGURE 13</b>	AUGER/WASH CONTROL VALVE ASSEMBLY
<b>FIGURE 14</b>	AUGER/WASH CONTROL VALVE SUB-ASSEMBLY
<b>FIGURE 15</b>	AUXILIARY/AUGER/WASH CONTROL VALVE ASSEMBLY
<b>FIGURE 16</b>	AUXILIARY/AUGER/WASH CONTROL VALVE SUB-ASSEMBLY



## I. PURPOSE

This parts manual is prepared, issued and 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 **B30 HO**.

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.

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

### GROUP - FIGURE - PAGE

- A. **GROUP** should be divided with:

00	MODEL <b>B30 HO</b> 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

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

- C. **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, -7, -12 etc.) are not illustrated.

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

**REED**CONCRETE PLACING  
EQUIPMENT**HOW TO USE PARTS MANUAL****PARTS**  
GROUP 00  
FIGURE 01  
PAGE 02

2

3

4

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1

**REED**  
CONCRETE PLACING  
EQUIPMENT**HYDRAULIC PUMPING ASSEMBLY****PARTS**  
GROUP 60  
FIGURE 06  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-06	Assembly, Hydraulic Pumping (See Group 20, Figure 01 for NHA)					Ref
2	78354	• Cup, Piston					2
3	78444	• Coupler					2
4	78352	• Coupling, Dog bone					4
5		• Bolt 1/2 x 4 (attaching parts)					8
6		• Nut, 1/2 (attaching parts)					8
7	78443	• Bone, Dog					2
8		• Bolt 5/8 x 2					6
9	78442	• Coupler					2
10	78438	• Assembly, Hydraulic Cylinder (See Group 60, Figure 07 for DET)					1
11		• Nut (attaching parts)					16
12		• Washer (attaching parts)					16
13	77617	• Bolt (attaching parts)					16
14		• Elbow, 90 FS6802-16-16					4
15	79343	• Assembly, Hose					2
16	78593	• Fitting, MiniCheck (Port)					2
17		• Elbow, 90 FS6802-06-06					4
18		• Fitting, STR FS6400-06-06					4
19	79344	• Assembly, Hose					2
20		• Elbow, 90 FS6801-06-06					4
21		• Valve, Check					4
22		• Elbow, 90 NIBM90-06-06					4
23		• Clamp					3
24	79326	• Tube, Wire					1
25	79345	• Assembly, Tube					2
26	78417	• Cable					2
27	72010	• Loom, 1/2 Flex					A/R
28		• Pin, 1/4 x 20					4
29	79285	• Cover, Proximity Switch					2
30	78416	• Switch, Proximity					2
31	79327	• Plate, End					1
32		• Washer, 1 Lock (attaching parts)					8
33		• Bolt, 1 x 2 Coarse (attaching parts)					8

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

2

3

4

5

REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**HOW TO USE PARTS MANUAL****PARTS**  
GROUP 00  
FIGURE 01  
PAGE 03**REED**  
CONCRETE PLACING  
EQUIPMENT**HYDRAULIC PUMPING ASSEMBLY****PARTS**  
GROUP 60  
FIGURE 06  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-06	Assembly, Hydraulic Pumping (See Group 20, Figure 01 for NHA)					Ref
2	78354	• Cup, Piston					2
3	78444	• Coupler					2
4	78352	• Coupling, Dog bone					4
5		• Bolt 1/2 x 4 (attaching parts)					8
6		• Nut, 1/2 (attaching parts)					8
7	78443	• Bone, Dog					2
8		• Bolt 5/8 x 2					6
9	78442	• Coupler					2
10	78438	• Assembly, Hydraulic Cylinder (See Group 60, Figure 07 for DET)					1
11		• Nut (attaching parts)					16
12		• Washer (attaching parts)					16
13	77617	• Bolt (attaching parts)					16
14		• Elbow, 90 FS6802-16-16					4
15	79343	• Assembly, Hose					2
16	78593	• Fitting, MiniCheck (Port)					2
17		• Elbow, 90 FS6802-06-06					4
18		• Fitting, STR FS6400-06-06					4
19	79344	• Assembly, Hose					2
20		• Elbow, 90 FS6801-06-06					4
21		• Valve, Check					4
22		• Elbow, 90 MBMB90-06-06					4
23		• Clamp					3
24	79326	• Tube, Wire					1
25	79345	• Assembly, Tube					2
26	78417	• Cable					2
27	72010	• Loom, 1/2 Flex					A/R
28		• Pin, 1/4 x 20					4
29	79285	• Cover, Proximity Switch					2
30	78416	• Switch, Proximity					2
31	79327	• Plate, End					1
32		• Washer, 1 Lock (attaching parts)					8
33		• Bolt, 1 x 2 Coarse (attaching parts)					8

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REVISION:

**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 30, Figure 01 For **NHA**"  
Identifies the illustrated parts chapter location; indicates where the Next Higher Assembly (**NHA**) of the item shown.
- C. "See Group 30, Figure 03 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.

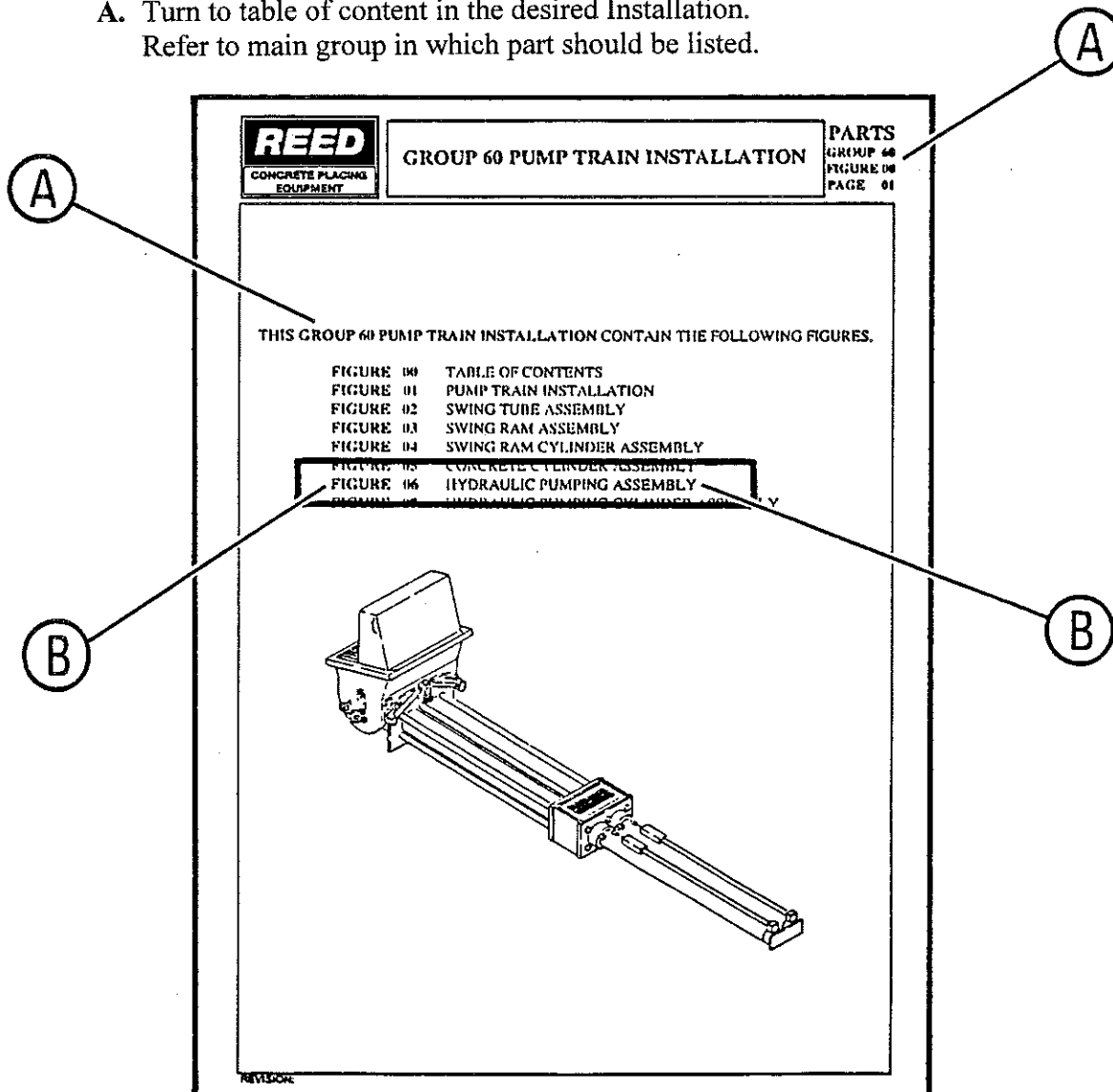
**REED**CONCRETE PLACING  
EQUIPMENT**HOW TO ORDER PARTS****PARTS  
GROUP 00  
FIGURE 02  
PAGE 01**

1. Always give serial number and model of **REED B30 HO**. (Refer to each unit name plate shown below). **NOTE:** This manual is being released to cover unit starting with serial number **SER. NO. 3.98.1.1546** to current production. Some components used on earlier units differ from current productions. Where this occurs, the part is identified by a serial number (SER. NO.).

<b>REED</b>		PHONE (909) 364-2100	<b>CE</b>
13822 OAKS AVENUE CHINO, CA 90710 USA		FAX (909) 364-2140	
MODEL	<input type="text"/>	SERIAL NO.	<input type="text"/>
HYD. PRESSURE	<input type="text"/>	PSI	<input type="text"/>
		BAR	<input type="text"/>
ELECTRIC MOTOR/ ENGINE SPEED	<input type="text"/>	RPM	<input type="text"/>
		VOLTS	<input type="text"/>
VEHICLE WEIGHT (APPROX.)	<input type="text"/>	LBS	<input type="text"/>
		KG	<input type="text"/>

75009A.

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.



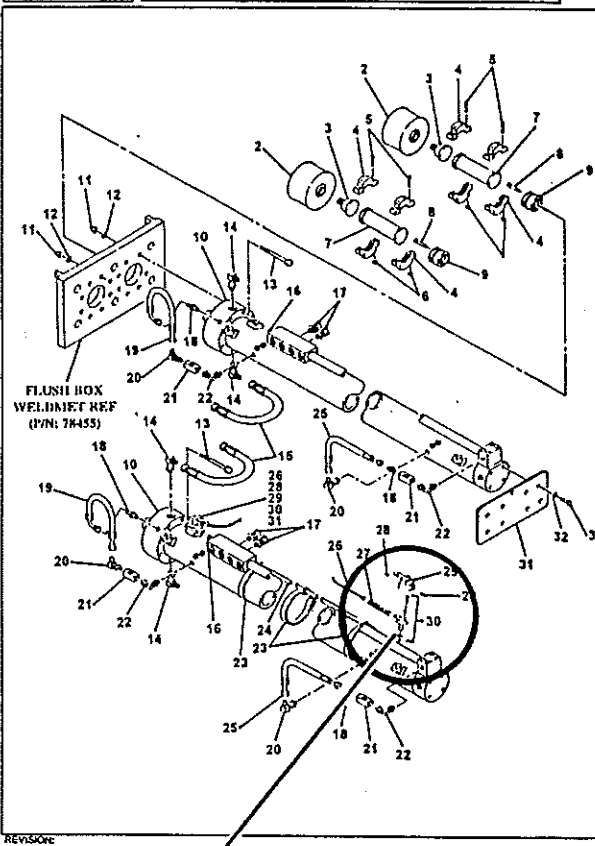
REVISION:





### HYDRAULIC PUMPING ASSEMBLY

PARTS  
GROUP 00  
FIGURE 04  
PAGE 01



REVISION:



### HYDRAULIC PUMPING ASSEMBLY

PARTS  
GROUP 00  
FIGURE 04  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
1	64106	Assembly, Hydraulic Pumping (See Group 20, Figure 01 for NHA)	Ref
2	78354	* Cup, Piston	2
3	78444	* Coupler	2
4	78352	* Coupling, Dog by	4
5		* Bolt, 1/2 x 4 (attaching parts)	8
6		* Nut, 1/2 (attaching parts)	8
7	78441	* Hose, Dog	2
8		* Bolt 5/8 x 2	6
9	78442	* Coupler	2
10	78438	* Assembly, Hydraulic Cylinder (See Group 00, Figure 07 for DET)	1
11		* Nut (attaching parts)	16
12		* Washer (attaching parts)	16
13	73617	* Bolt (attaching parts)	16
14		* Elbow, 90° F56802-16-16	4
15	79343	* Assembly, Hose	2
16	78503	* Filter, 1/2" Check (1/2")	2
17		* Elbow, 90° F56802-16-16	4
18		* Flange, 3/4" F56801-16-16	4
19	79344	* Assembly, Hose	2
20		* Flange, 90° F56801-16-16	4
21		* Valve, Check	4
22		* Hose, 90° KIRM100-16-16	4
23		* Clamp	3
24	79326	* Tube, Wire	1
25	79345	* Assembly, Tube	2
26	78417	* Cable	2
27	72010	* Lawn, 1/2 Flex	A/R
28		* Pin, 1/4 x 2 1/2	4
29	78283	* Cover, Proximity Switch	2
30	78416	* Switch, Proximity	2
31	78353		
32		* Washer, 1 Lock (attaching parts)	8
33		* Bolt, 1 x 2 Course (attaching parts)	8

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

- B. Find title of figure in which the part should be shown. Note figure number.
- C. Turn to corresponding page, find the group and figure.
- D. 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.

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****Attention: Parts Department**

**A. BY MAIL** 13822 Oaks Avenue  
Chino, CA 91710-7008 USA  
909-287-2100

**B. BY FAX** Fax: 909-287-2141

**C. BY PHONE** Toll-Free: 888-779-7333

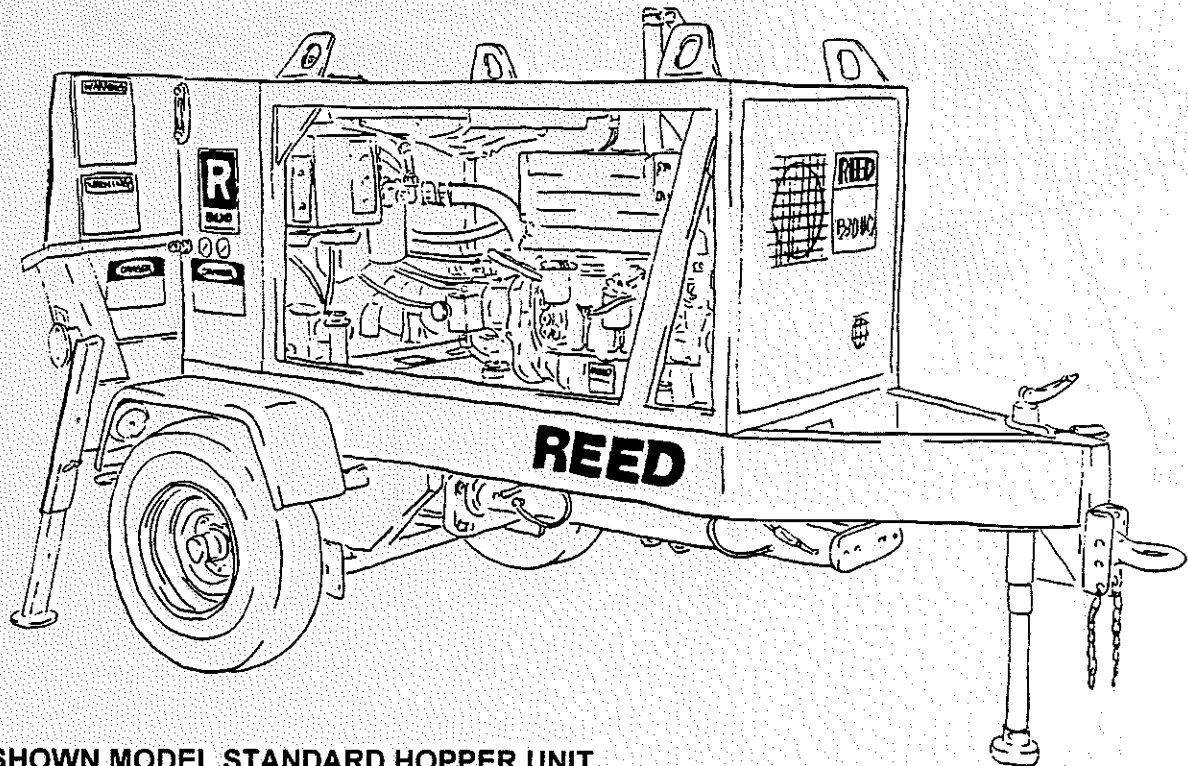
[www.reedpumps.com](http://www.reedpumps.com)

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 MANUFACTURING** 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**CONCRETE PLACING  
EQUIPMENT**TRAILER MOUNTED PUMP B30 HO  
GROUP 10 FINAL INSTALLATION**

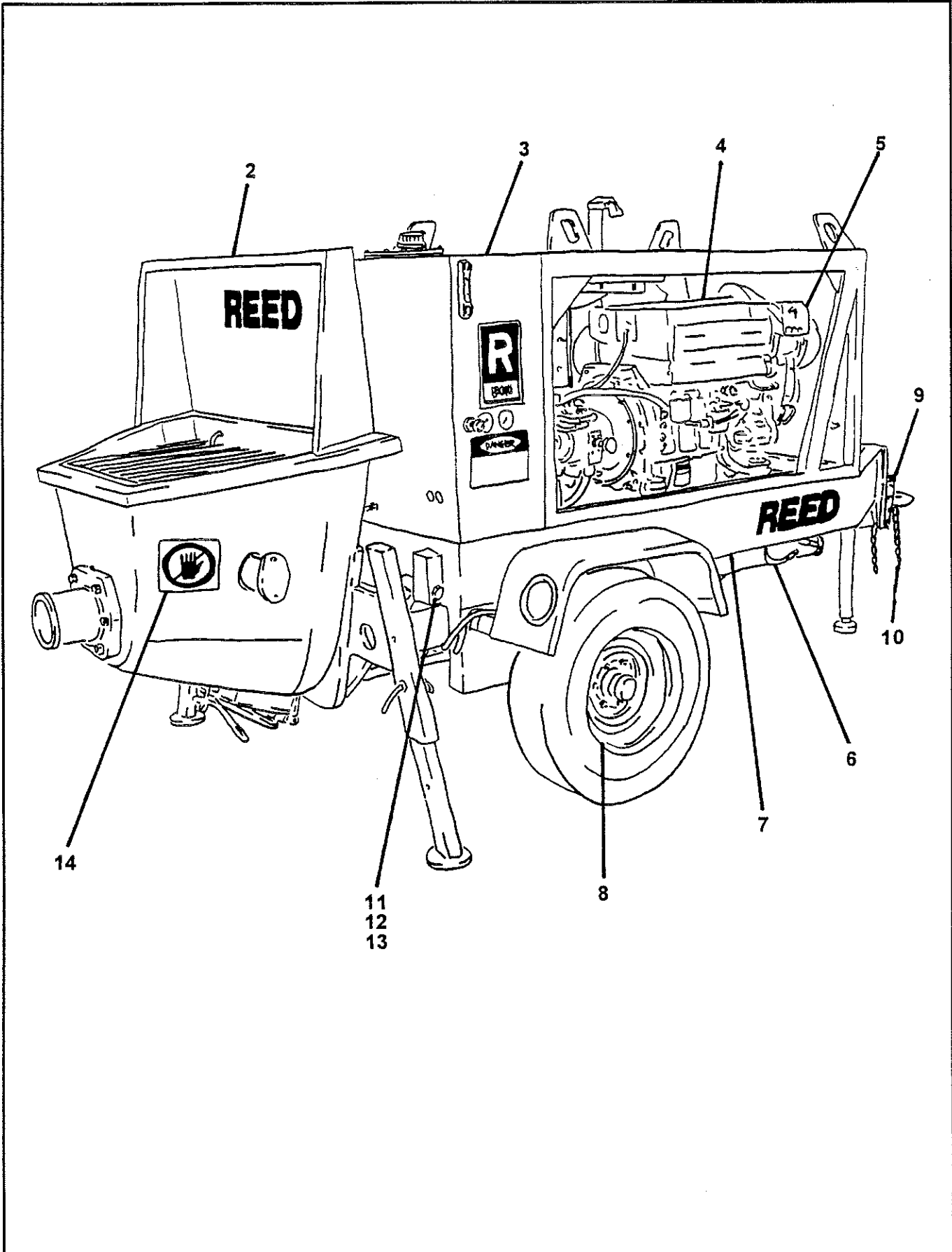
**REED** TRAILER MOUNTED CONCRETE PUMP MODEL **B30 HO** ILLUSTRATED PARTS MANUAL GROUP 10 FINAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** FINAL INSTALLATION WITH STANDARD HOPPER
- FIGURE 02** FINAL INSTALLATION WITH HARSH MIXERD HOPPER
- FIGURE 03** DECAL ASSEMBLY



**SHOWN MODEL STANDARD HOPPER UNIT**

**FINAL INSTALLATION  
WITH STANDARD HOPPER**



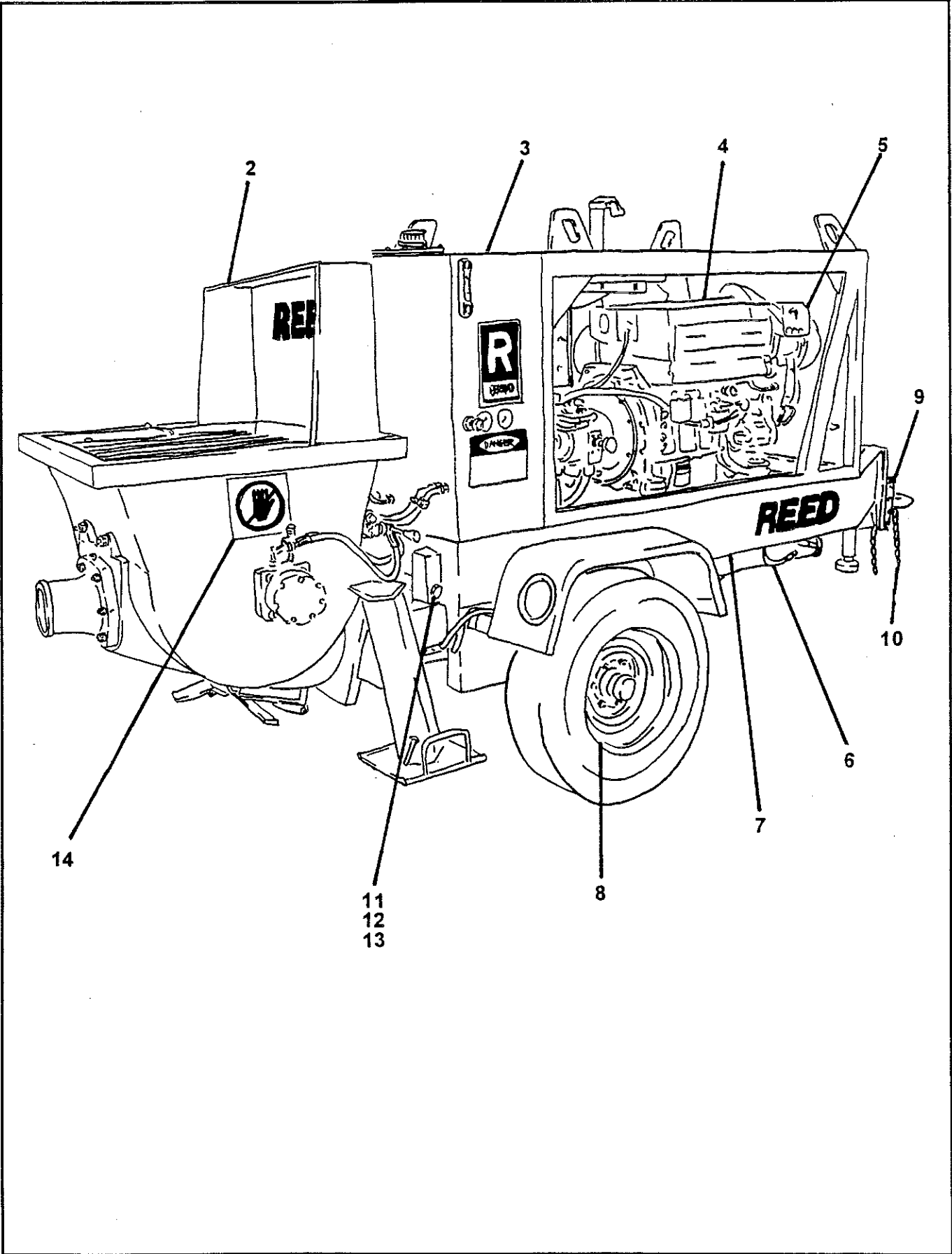
**REED**CONCRETE PLACING  
EQUIPMENTFINAL INSTALLATION  
WITH STANDARD HOPPERPARTS  
GROUP 10  
FIGURE 01  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	7336	Installation, <b>B30 HO</b> with Standard Hopper Final					Ref
2	20-01	• Installation, Standard 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	77705	• Kit, Break Away					1
10	71048	• Chain, 36 LK					1
11	79488	• Bracket, Hopper to Frame					2
12		• Bolt, CT					2
13		• Nut, Nylock					2
14	79698	• Kit, <b>B30 HO</b> Decal (See Group 10, Figure 03 for DET)					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**FINAL INSTALLATION  
WITH HARSH MIXER HOPPER**

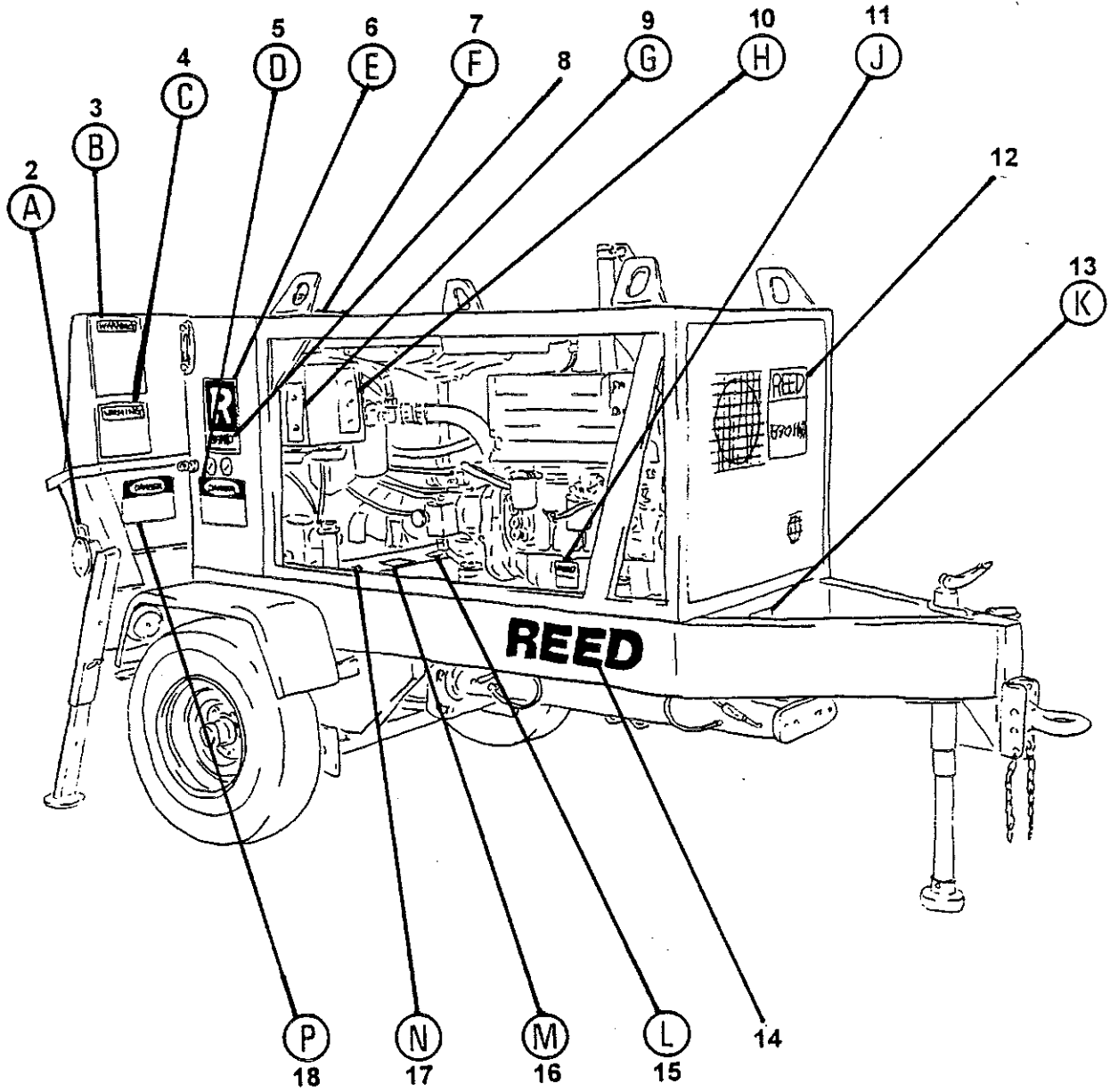


**REED**CONCRETE PLACING  
EQUIPMENT**FINAL INSTALLATION  
WITH HARSH MIXER HOPPER****PARTS  
GROUP 10  
FIGURE 02  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	7335	Installation, <b>B30 HO</b> with Harsh Mixer Hopper Final	Ref
2	20-02	• Installation, Harsh Mixer Hopper (See Group 20, Figure 02 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	77705	• Kit, Break Away	1
10	71048	• Chain, 36 LK	1
11	79488	• Bracket, Hopper to Frame	2
12		• Bolt, CT	2
13		• Nut, Nylock	2
14	79698	• Kit, <b>B30 HO</b> Decal (See Group 10, Figure 03 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



**SHOWN MODEL STANDARD HOPPER UNIT**



**REED**CONCRETE PLACING  
EQUIPMENT

## DECAL ASSEMBLY

PARTS

GROUP 10

FIGURE 03

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	79698	Kit, <b>B30 HO</b> Decal (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
2	75005	• Decal, Danger, Do Not Put Hands	2
3	75080	• Decal, Warning, This Equipment Operates at High Pressure in	1
4	75082	• Decal, Warning, Wear Eye Protection When Operating This	1
5	75083	• Decal, Danger, You Must Not Operate This Machine Unless	2
6	75026	• Decal, <b>R</b>	2
7	75020	• Decal, Hydraulic Oil	1
8	72282	• Decal, <b>B30 HO</b>	2
9	79494	• Decal, <b>B30 HO</b> Remote Control	1
10	79493	• Decal, <b>B30 HO</b> Control Box Panel	1
11	75096	• Decal, <b>REED</b>	1
12	72284	• Decal, <b>REED B30 HO</b>	2
13	75009	• Plate, Serial Number	1
14	73132	• Decal, <b>REED</b> 4 1/2 Inch	3
15	75003	• Decal, Warning, Relieve Pressure Before Disassembly	1
16	75022	• Decal, The Filter Element Inside This Housing Must be Replaced	1
17	75017	• Decal, Diesel Fuel Only	1
18	75081	• Decal, Danger, Do Not Put Hands Or Feet In Hopper At Any Time	1

DASH (-) ITEM NOT ILLUSTRATED



A

2

REVISION:

# WARNING

THIS EQUIPMENT OPERATES AT HIGH PRESSURE IN THE HYDRAULIC SYSTEM AND CONCRETE DELIVERY SYSTEM. DO NOT ATTEMPT TO OPERATE BEFORE READING INSTRUCTION MANUAL.

KEEP HANDS AND TOOLS OUT OF HOPPER. THE INSIDE AREA OF THE HOPPER OF THIS MACHINE HAS MOVING PARTS WHICH ARE EXTREMELY DANGEROUS. IT IS ESSENTIAL THAT STRICT SAFETY PROCEDURES BE FOLLOWED BEFORE ANY WORK IS DONE INSIDE THE CLOSED HOPPER. THE GRATE ON THE HOPPER IS BOLTED IN A CLOSED POSITION TO RESTRICT ACCESS. IF MAINTENANCE MUST BE PERFORMED INSIDE THE HOPPER THEN PROCEED AS FOLLOWS:

1. Turn engine ignition switch key counterclockwise to the "off" position and stop (kill) engine. This procedure will activate a safety device that automatically releases all accumulator circuit hydraulic pressure. To confirm that this device is operational check hydraulic pressure gauges for zero readings before concrete pump can be worked on safely.
2. Disconnect swing tube hydraulic cylinder hoses.
3. Remove bolts securing hopper grate.

Work inside the hopper may now be performed safely. Upon completion of this work, replace the bolts, securing the hopper grate in a closed position. Reconnect hoses.

3

**B**

# WARNING

WEAR EYE PROTECTION WHEN OPERATING THIS EQUIPMENT.

THIS EQUIPMENT IS REMOTE CONTROLLED AND MAY START AT ANY TIME. ALWAYS STOP ENGINE BEFORE WORKING ON EQUIPMENT.

IN CASE OF BLOCKAGE IN THE DELIVERY LINE  
1. NEVER OPEN A PRESSURIZED COUPLING  
2. RELIEVE THE PRESSURE USING THE PROCEDURE IN THE OPERATORS MANUAL

4

**C**

**REED**

CONCRETE PLACING  
EQUIPMENT

DECAL ASSEMBLY

PARTS  
GROUP 10  
FIGURE 03  
PAGE 04

**DANGER**

YOU MUST NOT OPERATE THIS MACHINE UNLESS YOU ARE QUALIFIED BY TRAINING AND EXPERIENCE IN THE SAFE OPERATION OF THIS MACHINE.

TRAINING INCLUDES COMPLETE KNOWLEDGE OF YOUR EMPLOYER'S WORK RULES, ALL GOVERNMENTAL REGULATIONS, AND MANUFACTURER'S OPERATOR AND SAFETY MANUALS RELATIVE TO THIS MACHINE'S SAFE USE.

AN UNTRAINED OPERATOR SUBJECTS HIMSELF AND OTHERS TO DEATH OR SERIOUS INJURY.

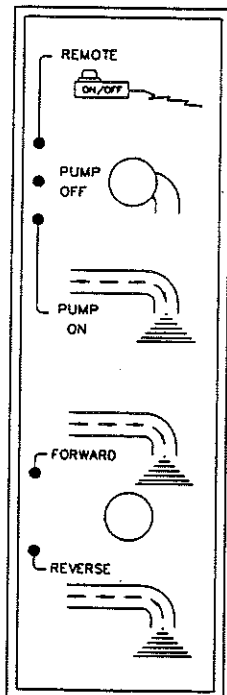
(D)

5



6

(E)



(G)

9

HYDRAULIC OIL

(F)

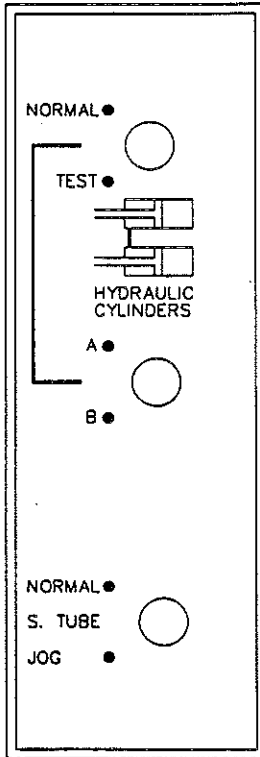
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**REED**

CONCRETE PLACING  
EQUIPMENT

# DECAL ASSEMBLY

PARTS  
GROUP 10  
FIGURE 03  
PAGE 05



10

**REED**  
CONCRETE PLACING EQUIPMENT  
661 Brea Canyon Road  
Walnut CA 91789 USA  
Phone: 909-594-7000  
Fax: 909-595-7222

11

(H)

(J)

THE FILTER ELEMENT INSIDE THIS HOUSING  
MUST BE REPLACED WITH AN APPROVED  
TYPE ELEMENT AFTER THE FIRST 50 HOURS  
OF USE.

FURTHER ELEMENT REPLACEMENTS  
SHOULD BE MADE AFTER EVERY 500 HOURS  
OF USE, OR AS NECESSARY. FAILURE TO DO  
SO MAY RESULT IN SERIOUS DAMAGE TO  
YOUR MACHINE.

16

<b>REED</b>		PHONE (909) 364-2100	CE
13822 OAKS AVENUE CHINO, CA 90710 USA		FAX (909) 364-2140	
MODEL	<input type="text"/>	SERIAL NO.	<input type="text"/>
HYD. PRESSURE	<input type="text"/>	PSI	<input type="text"/>
		BAR	<input type="text"/>
ELECTRIC MOTOR/ ENGINE SPEED	<input type="text"/>	RPM	<input type="text"/>
		VOLTS	<input type="text"/>
VEHICLE WEIGHT (APPROX.)	<input type="text"/>	LBS	<input type="text"/>
		KG	<input type="text"/>
75009A			

13

(K)

(M)

**WARNING**  
RELIEVE PRESSURE  
BEFORE DISASSEMBLY.

15

(L)



17



18

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	79698	Kit, <b>B30 HO</b> Decal (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
2	75005	• Decal, Danger, Do Not Put Hands	2
3	75080	• Decal, Warning , This Equipment Operates at High Pressure in	1
4	75082	• Decal, Warning, Wear Eye Protection When Operating This	1
5	75083	• Decal, Danger, You Must Not Operate This Machine Unless	2
6	75026	• Decal, <b>R</b>	2
7	75020	• Decal, Hydraulic Oil	1
8	72282	• Decal, <b>B30 HO</b>	2
9	79494	• Decal, <b>B30 HO</b> Remote Control	1
10	79493	• Decal, <b>B30 HO</b> Control Box Panel	1
11	75096	• Decal, <b>REED</b>	1
12	72284	• Decal, <b>REED B30 HO</b>	2
13	75009	• Plate, Serial Number	1
14	73132	• Decal, <b>REED</b> 4 1/2 Inch	3
15	75003	• Decal, Warning, Relieve Pressure Before Disassembly	1
16	75022	• Decal, The Filter Element Inside This Housing Must be Replaced	1
17	75017	• Decal, Diesel Fuel Only	1
18	75081	• Decal, Danger, Do Not Put Hands Or Feet In Hopper At Any Time	1

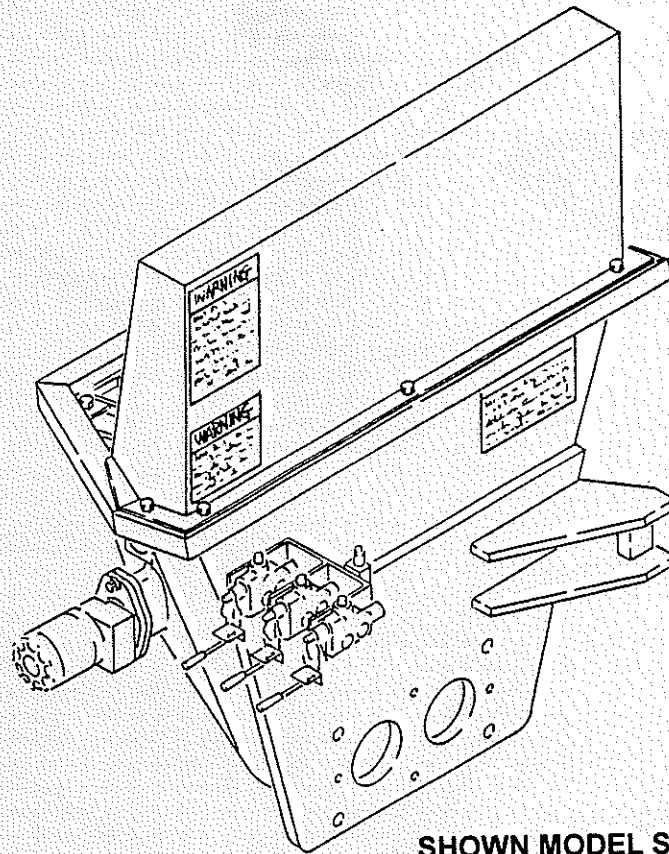
DASH (-) ITEM NOT ILLUSTRATED



**TRAILER MOUNTED PUMP *B30 HO*  
ILLUSTRATED PARTS MANUAL**

**PARTS  
GROUP 10  
FIGURE 04  
PAGE 01**

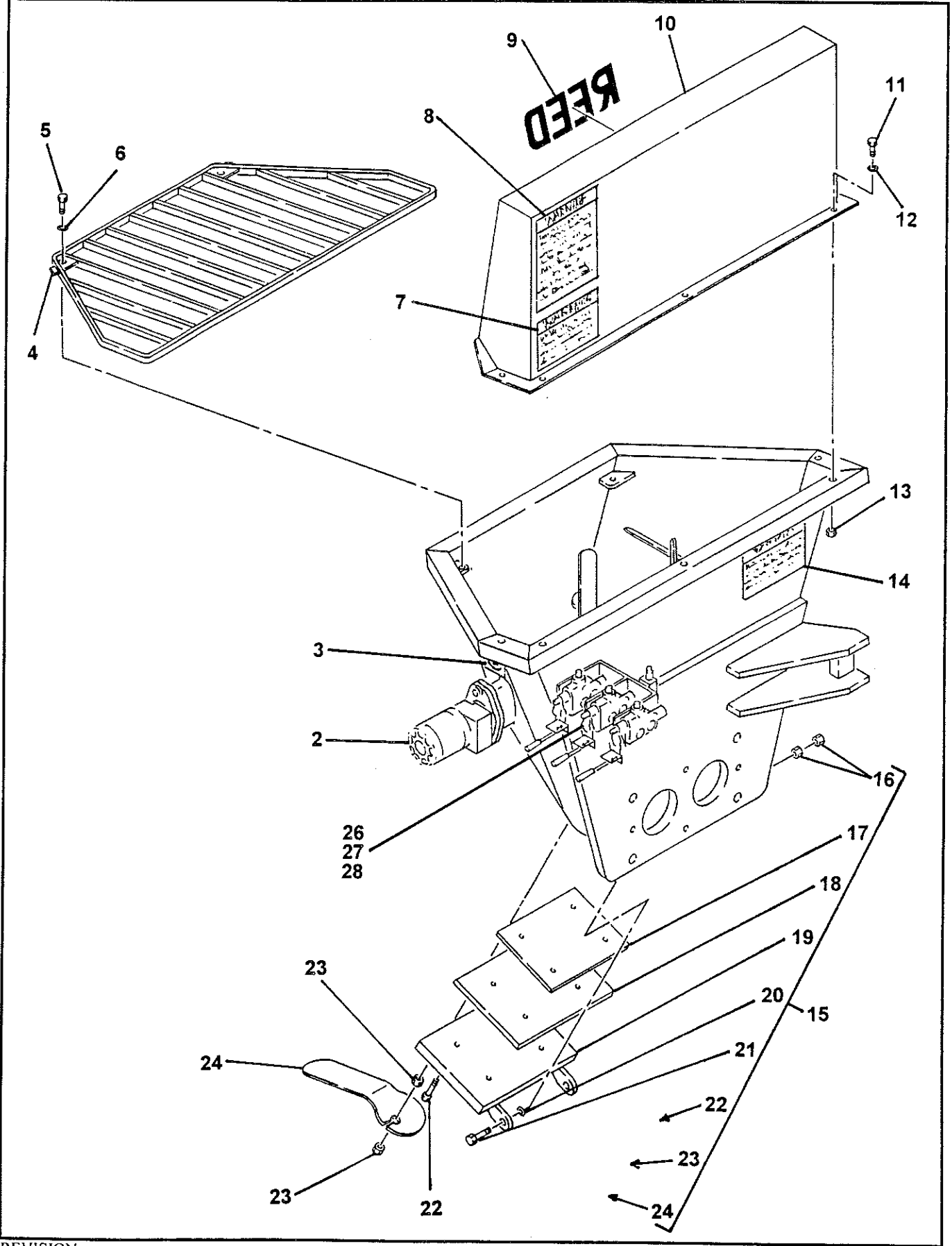
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**SHOWN MODEL STANDARD HOPPER**

**REED** TRAILER MOUNTED CONCRETE PUMP MODEL **B30 HO** ILLUSTRATED PARTS MANUAL GROUP 20 HOPPER INSTALLATION CONTAINS THE FOLLOWING FIGURES:

<b>FIGURE 00</b>	TABLE OF CONTENTS
<b>FIGURE 01</b>	STANDARD HOPPER INSTALLATION
<b>FIGURE 02</b>	HARSH MIXER HOPPER INSTALLATION
<b>FIGURE 03</b>	STANDARD HOPPER REMIXER ASSEMBLY
<b>FIGURE 04</b>	HARSH MIXER HOPPER REMIXER ASSEMBLY
<b>FIGURE 05</b>	STANDARD HOPPER REMIXER MOTOR ASSEMBLY
<b>FIGURE 06</b>	HARSH MIXER HOPPER REMIXER MOTOR ASSEMBLY
<b>FIGURE 07</b>	AUGER CONTROL VALVE ASSEMBLY
<b>FIGURE 08</b>	AUGER CONTROL VALVE SUB-ASSEMBLY

**STANDARD HOPPER INSTALLATION**



REVISION:



**REED**CONCRETE PLACING  
EQUIPMENT**STANDARD HOPPER INSTALLATION****PARTS**  
GROUP 20  
FIGURE 01  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-01	Installation, Standard Hopper (See Group 10, Figure 01 for NHA)	Ref
2	72850	• Assembly, Standard Hopper Remixer (Optional Item) (See Group 20, Figure 03 for DET)	1
3	75005	• Decal, Danger, Do Not Put Hands	2
4		• Grate <b>B30 HO</b> Standard Hopper	1
5		• Bolt, Hex (attaching parts)	2
6		• Washer, Lock (attaching parts)	2
7	75082	• Decal, Warning, Wear Eye Protection When Operating This	1
8	75080	• Decal, Warning, This Equipment Operates at High Pressure in	1
9	73132	• Decal, <b>REED</b>	1
10	72944	• Guard, Splash	1
11		• Bolt, Hex (attaching parts)	5
12		• Washer, Flat (attaching parts)	5
13		• Nut, Lock (attaching parts)	5
14	75081	• Decal, Danger, Do Not Put Hands Or Feet In Hopper At Any Time	1
15	73055	• Assembly, Hopper	1
16		• • Nut	4
17	70794	• • Insert, Door	1
18	70248	• • Rubber, Gasket	1
19	70795	• • Door, Hopper With Lift Plate (Lift Plate P/N: 70150)	1
20		• • Washer	2
21		• • Bolt, Hex	2
22		• • Bolt, Hex	4
23		• • Nut, Hex	2
24	70096	• • Handle, Clean Out Door	1
-25	71429	• Assembly, Vibrator (Optional Item) (See Group 80, Figure 05 for REF)	1
26	20-07	• Assembly, Auger Control Valve (Optional Item) (See Group 20, Figure 07 for DET)	1
27	80-13	• Assembly, Auger / Control Wash (Optional Item) (See Group 80, Figure 13 for REF)	1
28	80-15	• Assembly, Auxiliary/ Auger / Wash Control Valve (Optional Item) (See Group 80, Figure 15 for REF)	1

DASH (-) ITEM NOT ILLUSTRATED

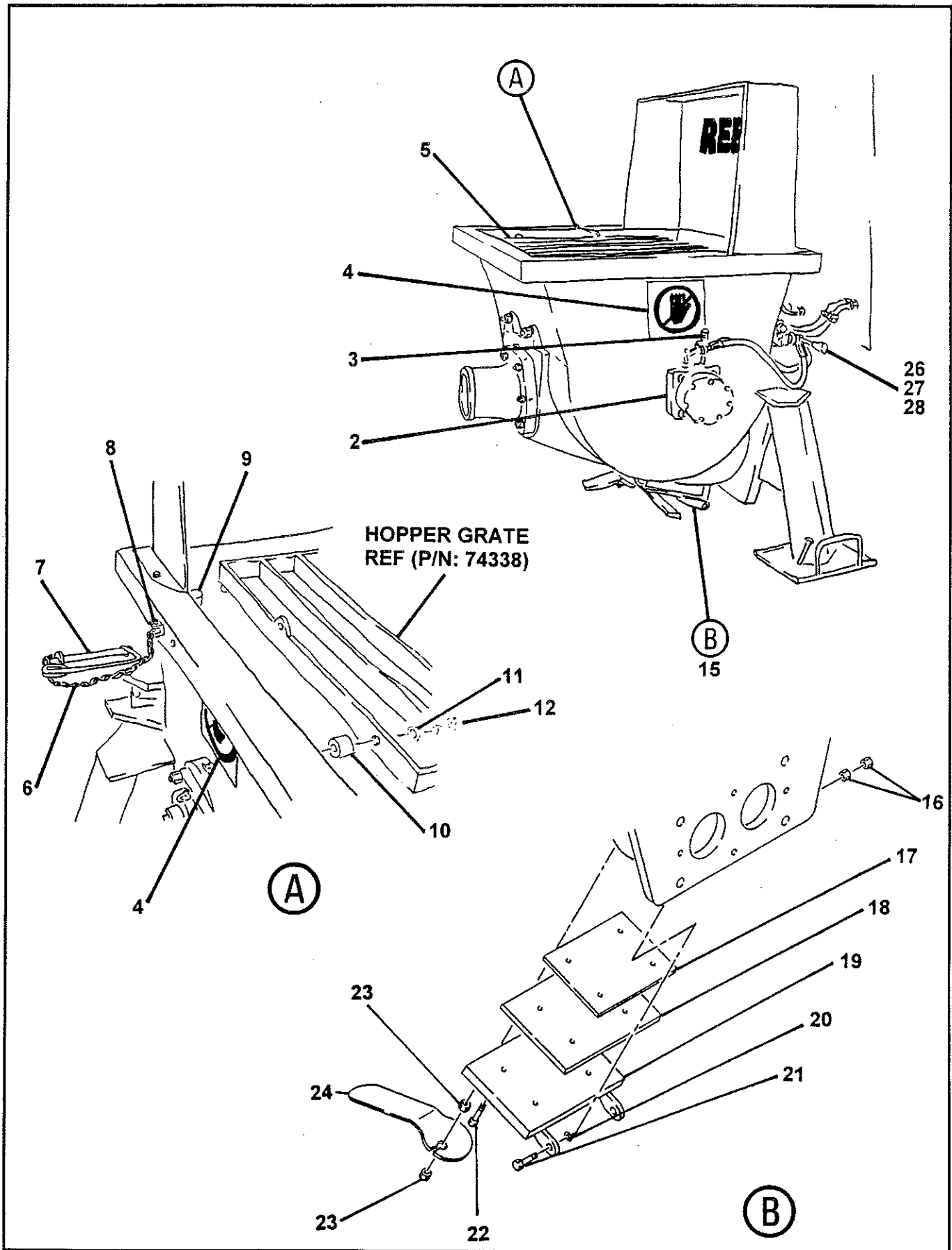
REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

# HARSH MIXER HOPPER INSTALLATION

PARTS  
GROUP 20  
FIGURE 02  
PAGE 01



**REED**CONCRETE PLACING  
EQUIPMENT**HARSH MIXER  
HOPPER INSTALLATION****PARTS  
GROUP 20  
FIGURE 02  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-02	Installation, Harsh Mixer Hopper (See Group 10, Figure 02 for NHA)	Ref
2	71276	• Assembly, Harsh Mixer Hopper Remixer (See Group 20, Figure 04 for DET)	1
3	74514	• Valve, Needle	1
4	75005	• Decal, Danger, Do Not Put Hands	2
5	74338	• Grate <b>B30 HO</b> Harsh Mixer Hopper	1
6	30214	• Chain	A/R
7	71351	• Pin, Snap Lock	1
8	73254	• Bracket, Hanger	1
9	77292	• Bumper, Harsh Mixer Hopper Grate	2
10	71425	• Spacer, Harsh Mixer Hopper Grate	2
11		• Bolt, Hex (attaching parts)	2
12		• Washer, Flat (attaching parts)	2
13	73132	• Decal, <b>REED</b>	1
14	72944	• Guard, Splash	1
15	75911	• Assembly, Hopper	1
16		• • Nut	4
17	70794	• • Insert, Door	1
18	70248	• • Rubber, Gasket	1
19	70795	• • Door, Hopper With Lift Plate (Lift Plate P/N: 70150)	1
20		• • Washer	2
21		• • Bolt, Hex	2
22		• • Bolt, Hex	4
23		• • Nut, Hex	2
24	70096	• • Handle, Clean Out Door	1
-25	71429	• Assembly, Vibrator (Optional Item) (See Group 80, Figure 05 for REF)	1
26	20-07	• Assembly, Auger Control Valve (Optional Item) (See Group 20, Figure 07 for DET)	1
27	80-13	• Assembly, Auger / Control Wash (Optional Item) (See Group 80, Figure 13 for REF)	1
28	80-15	• Assembly, Auxiliary/ Auger / Wash Control Valve (Optional Item) (See Group 80, Figure 15 for REF)	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



**REED**CONCRETE PLACING  
EQUIPMENT**STANDARD HOPPER  
REMIXER ASSEMBLY****PARTS  
GROUP 20  
FIGURE 03  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	72850	Assembly, Standard Hopper Remixer (Optional Item) (See Group 20, Figure 01 for NHA)	Ref
2	74529	• Assembly, Standard Hopper Remixer Motor (Optional Item) (See Group 20, Figure 05 for DET)	1
3		• Bolt, Hex (attaching parts)	1
4		• Washer, Lock (attaching parts)	2
5		• Fitting, STR	2
6	79851	• Kit, Hose	2
7		• Fitting, STR	1
8	74514	• Valve, Needle	1
9		• Fitting, 45	1
10	80516	• Fitting, Grease	1
11	70226	• Housing, Bearing with Flange	1
12	30216	• Key	1
13	70225	• Coupling	1
14	80374	• Screw, Set	2
15	71019	• Bearing, Ball	2
16	70215	• Spacer, Long	1
17	70216	• Spacer, Shot	1
18	70224	• Shaft, Agitator	1
19	80298	• Pin, Spring	1
20	71018	• Ring, Wear	1
21	70212	• Seal	1
22	70211	• Flange, Seal	1
23		• Washer, Lock (attaching parts)	6
24		• Bolt, Hex (attaching parts)	6
25	72851	• Shaft, Agitator with Paddle	1
26		• Washer, Lock (attaching parts)	2
27	80156	• Screw, Hex Head Cap (attaching parts)	1
28	80019	• Nut (attaching parts)	1
29	80030	• Nut, Hex	1
30	70214	• Shaft, Idle	1
31	77877	• Spacer	1
32	70219	• Bearing, Idler	1
33	70210	• Housing, Idler Bearing	1

DASH (-) ITEM NOT ILLUSTRATED

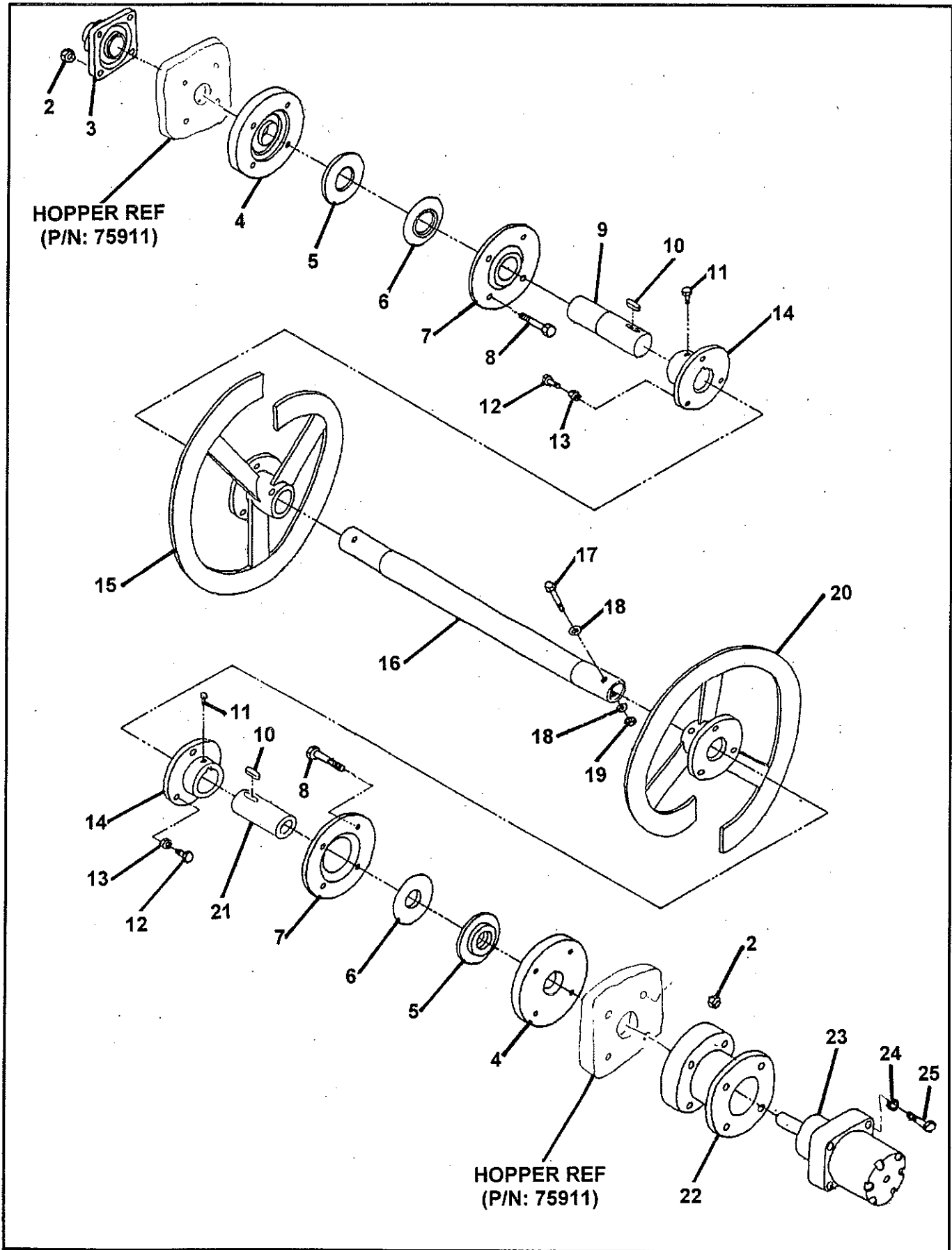
REVISION:

# REED

CONCRETE PLACING  
EQUIPMENT

## HARSH MIXER HOPPER REMIXER ASSEMBLY

PARTS  
GROUP 20  
FIGURE 04  
PAGE 01



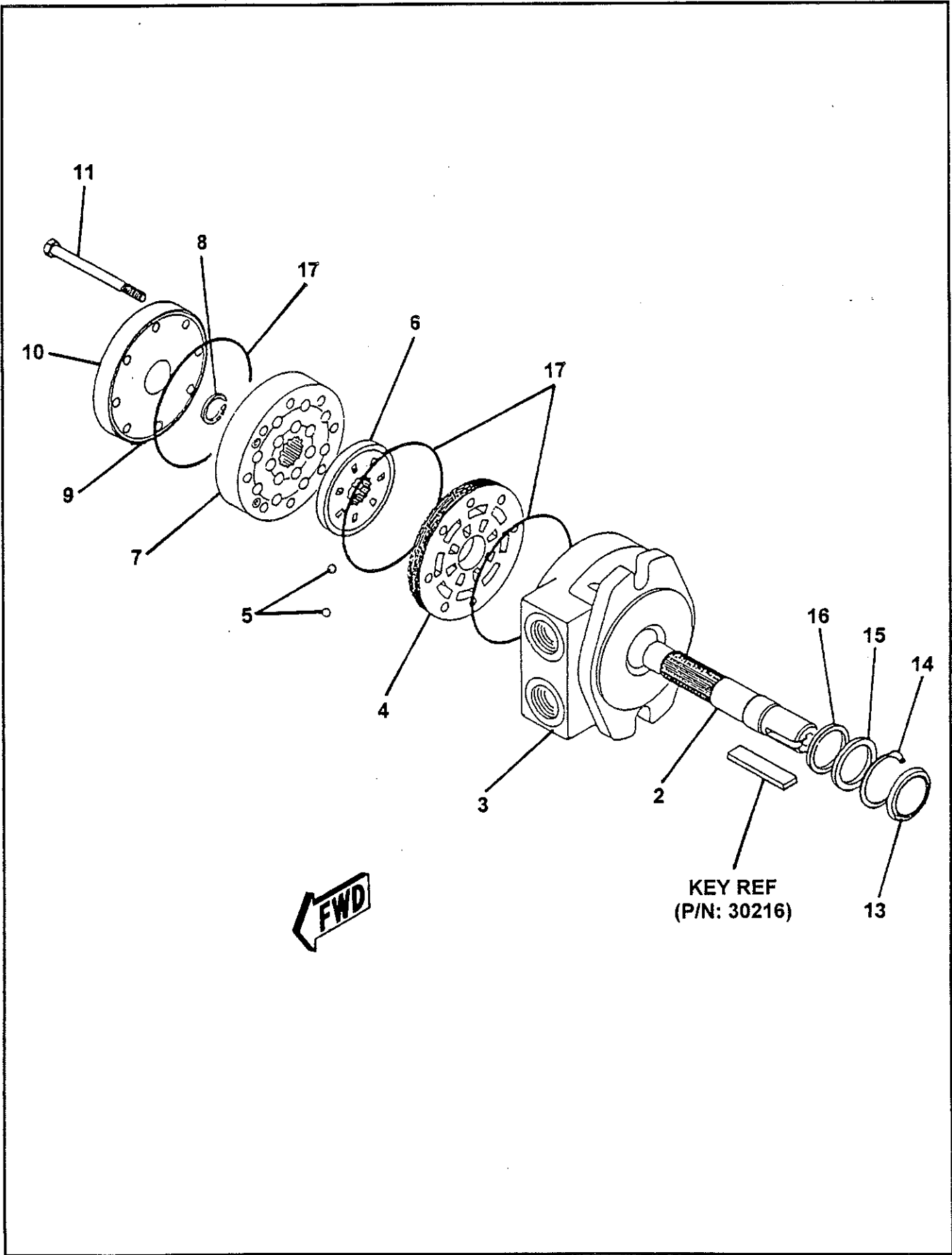
**REED**CONCRETE PLACING  
EQUIPMENT**HARSH MIXER HOPPER  
REMIXER ASSEMBLY****PARTS  
GROUP 20  
FIGURE 04  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	71276	Assembly, Harsh Mixer Hopper Remixer (See Group 20, Figure 02 for NHA)					Ref
2		• Nut, Nylock					8
3	75193	• Bearing, Auger					1
4	75208	• Seal, Packing					2
5	75244	• Seal, Remixer					2
6	75825	• Seal, Remixer					2
7	75826	• Flange, Hopper					2
8		• Bolt, Coarse					8
9	73256	• Shaft, Hopper Side Stub					1
10	77394	• Key, Stub Shaft					2
11		• Bolt, Hex					2
12		• Bolt, Coarse					6
13		• Washer, Lock					6
14	73258	• Coupling, Male Half					2
15	73262	• Flight, Left Auger					1
16	71405	• Tube, Auger					1
17		• Bolt, Coarse					2
18		• Washer, Flat					4
19		• Nut, Nylock					2
20	73263	• Flight, Right Auger					1
21	73257	• Shaft, Motor Side Stub					1
22	73261	• Weldment, Remixer Housing					1
23	73750	• Assembly, Harsh Mixer Hopper Remixer Motor (See Group 20, Figure 06 for DET)					1
24		• Washer, Lock					4
25		• Bolt, Coarse					4

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**STANDARD HOPPER  
REMIXER MOTOR ASSEMBLY**





**REED**CONCRETE PLACING  
EQUIPMENTSTANDARD HOPPER  
REMIXER MOTOR ASSEMBLYPARTS  
GROUP 20  
FIGURE 05  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	74529	Assembly, Standard Hopper Remixer Motor (Optional Item) (See Group 20, Figure 03 for NHA)	Ref
2		• Shaft	1
3		• Body, Motor	1
4		• Plate, Commutator	1
5		• Ball, Check Valve	2
6		• Valve, Rotary	1
7		• Sub-Assembly IGR.	1
8		• Ring, Shaft Snap	1
9		• Plug, Vent	1
10		• Cover, Motor	1
11		• Bolt, Hex (attaching parts)	8
-12	74993	• Kit, Seal	1
13		• • Seal, Dust	1
14		• • Ring, Snap	1
15		• • Ring, Back Up	1
16		• • Seal, Lip	1
17		• • Seal, Square Ring	3

DASH (-) ITEM NOT ILLUSTRATED

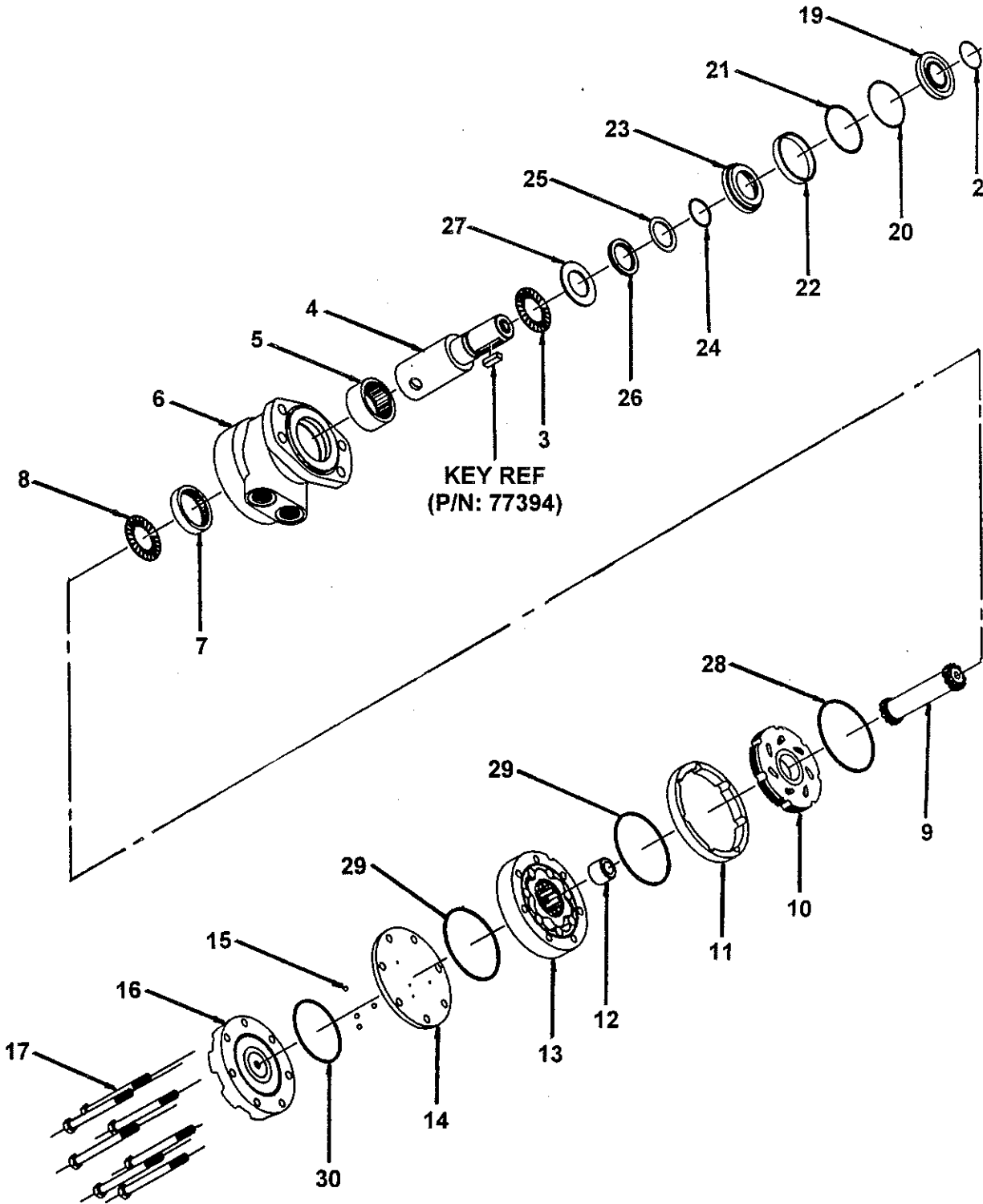
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**REED**

CONCRETE PLACING  
EQUIPMENT

# HARSH MIXER HOPPER REMIXER MOTOR ASSEMBLY

PARTS  
GROUP 20  
FIGURE 06  
PAGE 01



REVISION:



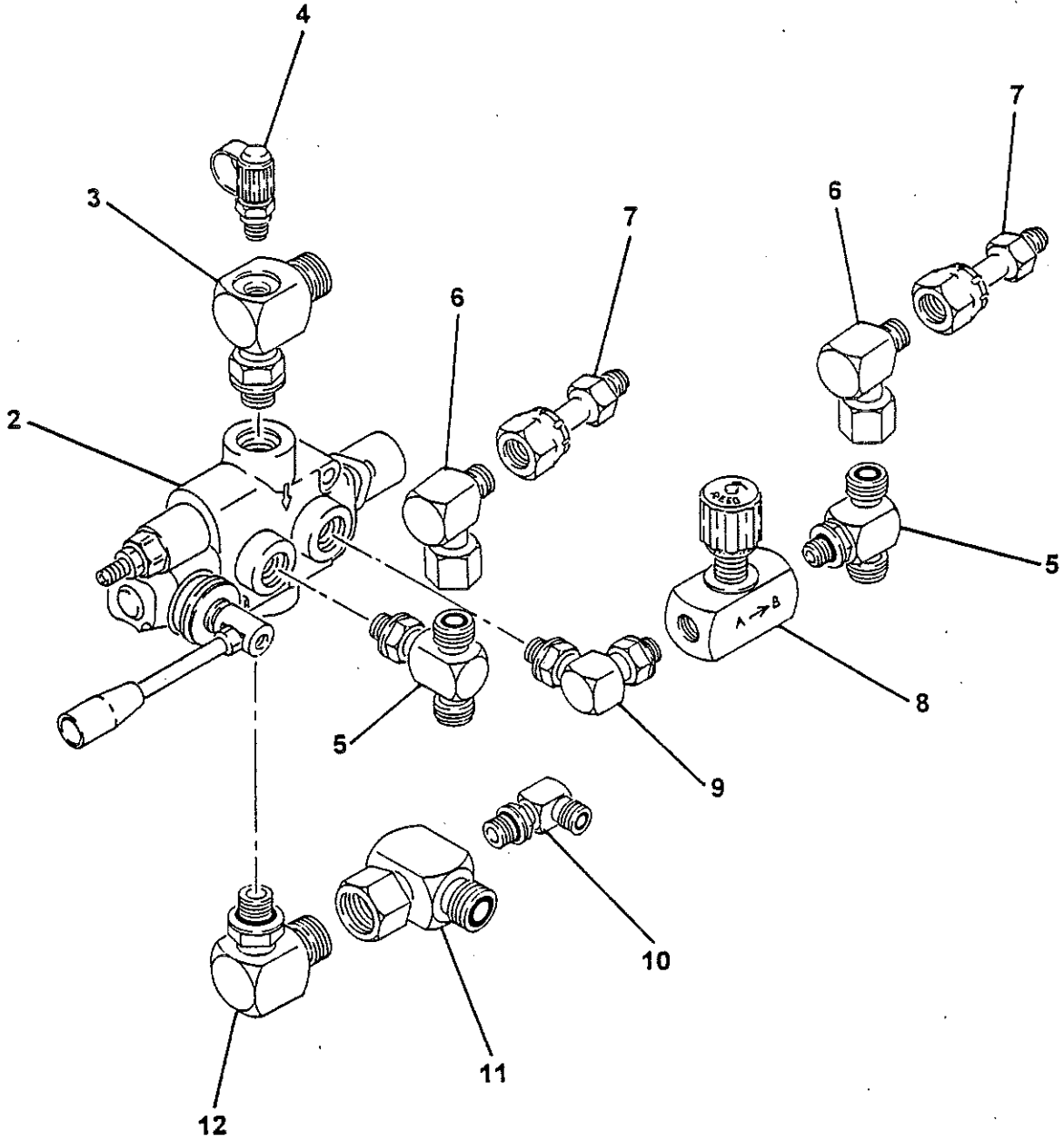
# HARSH MIXER HOPPER REMIXER MOTOR ASSEMBLY

**PARTS  
GROUP 20  
FIGURE 06  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	73750	Assembly, Harsh Mixer Hopper Remixer Motor (Optional Item) (See Group 20, Figure 04 for NHA)	Ref
2		• Ring, Wire	1
3		• Bearing, Front Thrust	1
4		• Kit, Shaft	1
5		• Bearing, Front Housing	1
6		• Kit, Housing	1
7		• Bearing, Rear Housing	1
8		• Bearing, Rear Thrust	1
9		• Kit, Drive Link	1
10		• Bearing, Front Thrust	1
11		• Manifold	1
12		• Boot, Manifold	1
13		• Kit, Free Turn Rotor	1
14		• Plate, Balance	1
15		• Ball, Steel	4
16		• Cover, Motor End	1
17		• Bolt, Hex (attaching parts)	7
-18		• Kit, Seal	1
19		• • Seal, Dust	1
20		• • Ring, Split Wire	1
21		• • Shim, Metal Back Up	1
22		• • Seal, High Pressure	1
23		• • Carrier, Seal	
24		• • Shim, Metal Back Up	1
25		• • Seal, Polyamid	1
26		• • Seal, Shaft	1
27		• • Washer, Thrust	1
28		• • Seal, Rear Housing	1
29		• • Seal, Body	2
30		• • Seal, End Cover	1

DASH (-) ITEM NOT ILLUSTRATED

# AUGER CONTROL VALVE ASSEMBLY



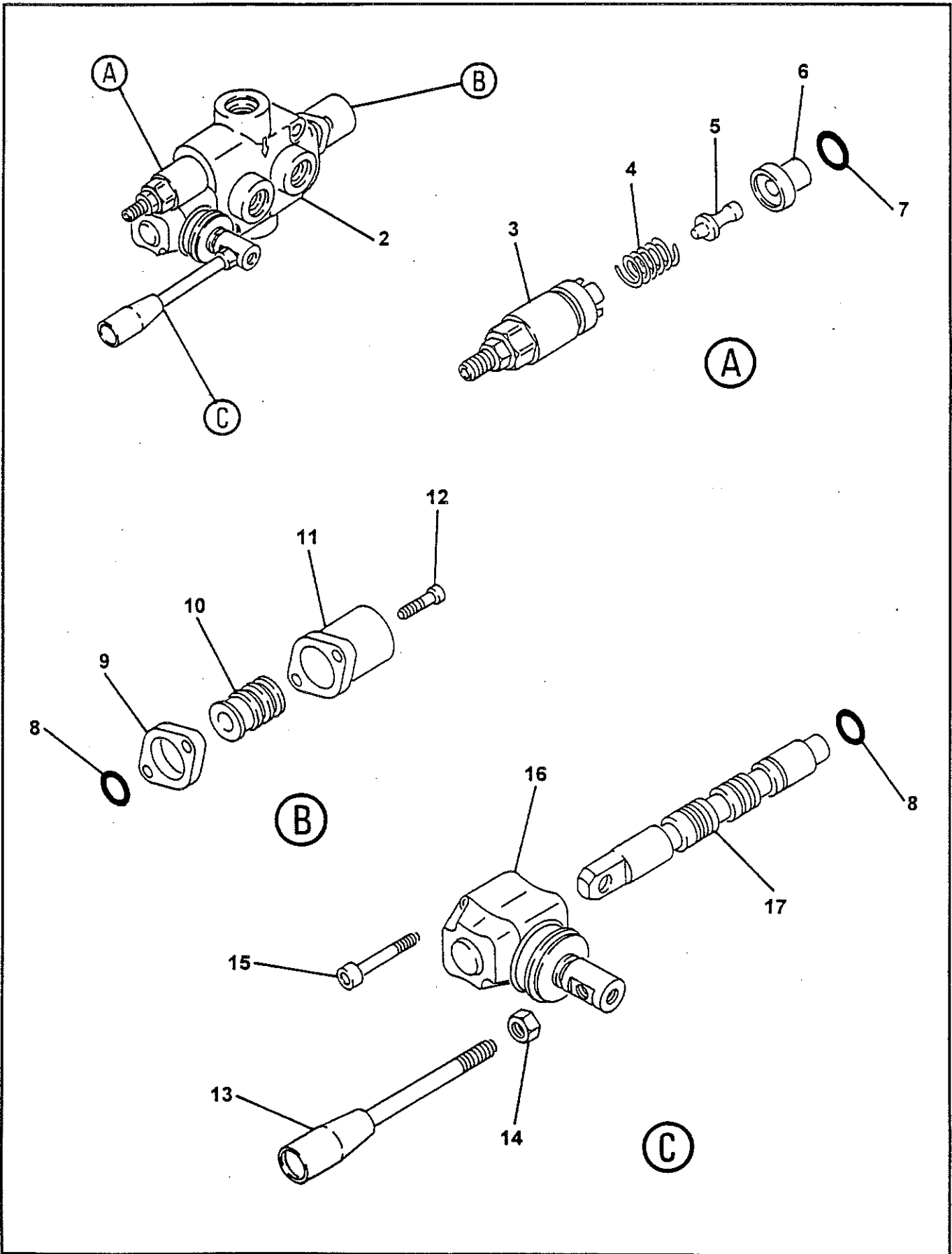
**REED**CONCRETE PLACING  
EQUIPMENT**AUGER CONTROL VALVE ASSEMBLY****PARTS**  
GROUP 20  
FIGURE 07  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-07	Assembly, Auger Control Valve (See Group 20, Figure 01 and Figure 02 for NHA)	Ref
2	74584	• Sub-Assembly, Auger Control Valve (See Group 20, Figure 08 for DET)	1
3		• Tee, Special Drill 4 SAE FS6801-10-8	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Tee, MJ-MJ-MBT-6	2
6		• Fitting, 90 FS6500-6-6	2
7		• Fitting, Connector FS6500-6-6	2
8		• Controller, Check	1
9		• Fitting, 90 MB-MB90-6-6	1
10		• Fitting, 90 FS6801-4-6	1
11		• Tee, Special Drill 6 SAE FS6500-10-10	1
12		• Fitting, 90 FS6801-10-8	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**AUGER CONTROL  
VALVE SUB-ASSEMBLY**



**REED**CONCRETE PLACING  
EQUIPMENT**AUGER CONTROL  
VALVE SUB-ASSEMBLY****PARTS  
GROUP 20  
FIGURE 08  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	74584	Sub-Assembly, Auger Control Valve (Optional Item) (See Group 20, Figure 07 for NHA)					Ref
2		• Body, Valve					1
3		• Kit, Screw					1
4		• Spring					1
5		• Pin, Screw Kit					1
6		• Ring					1
7		• O-Ring					1
8		• O-Ring					2
9		• Spacer					1
10		• Kit, Spool Control					1
11		• Cap, Spool					1
12		• Screw, SOC (attaching Parts)					2
13		• Handle, Remixer Valve					1
14		• Nut (attaching parts)					1
15		• Screw, SOC					2
16		• Lever, L					1
17		• Spool					1

DASH (-) ITEM NOT ILLUSTRATED

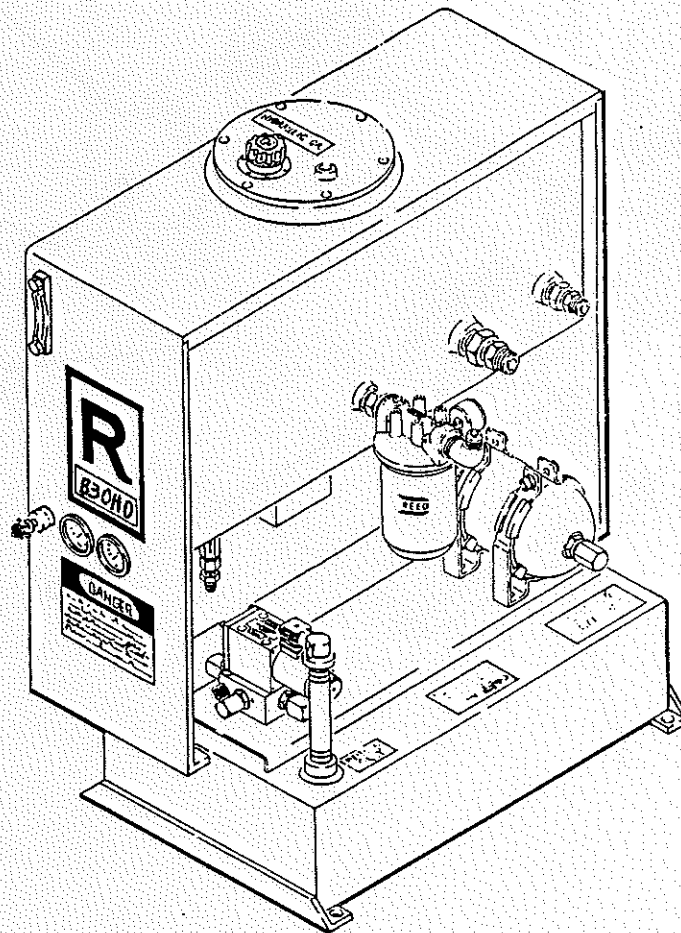
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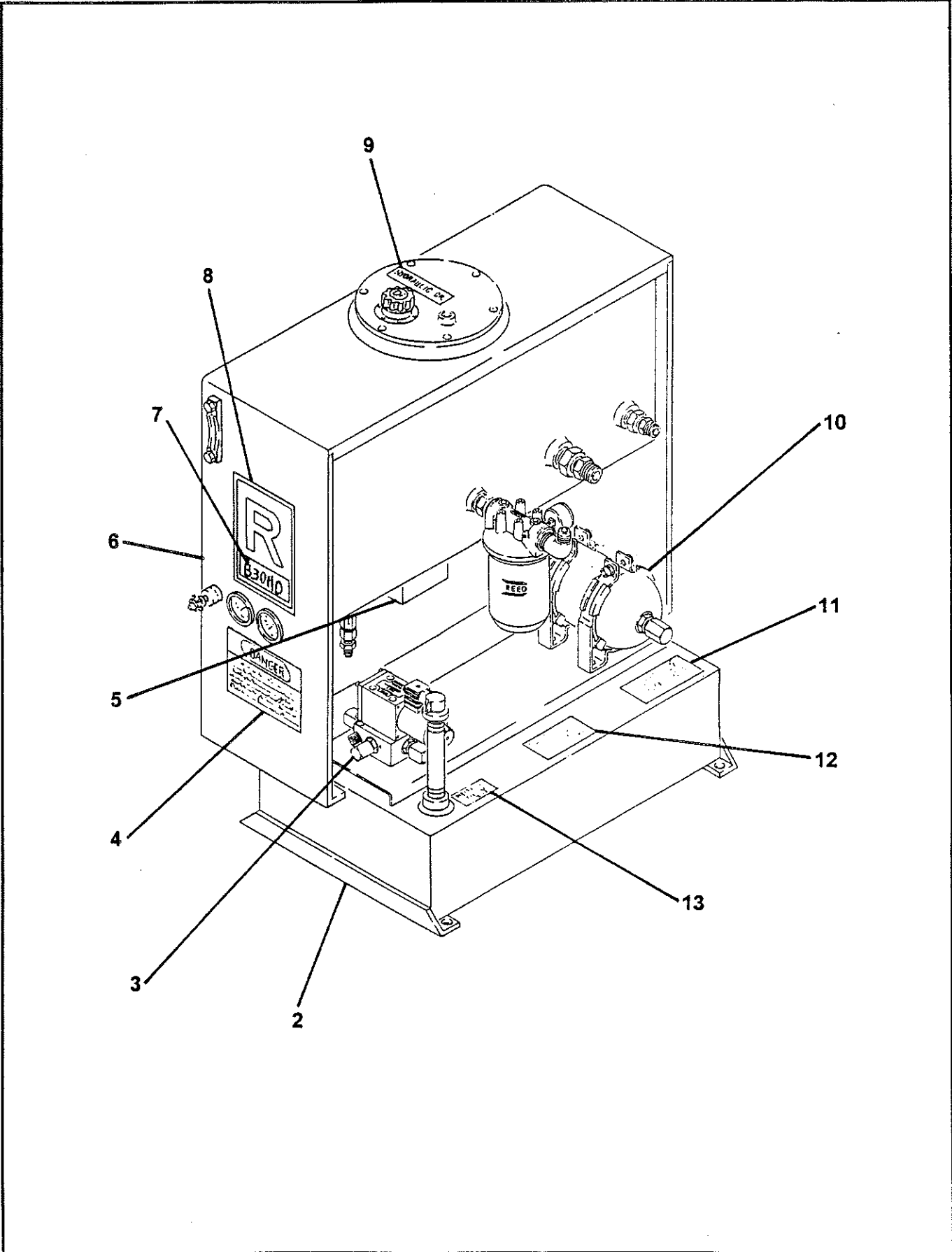


**REED** TRAILER MOUNTED CONCRETE PUMP MODEL **B30 HO** ILLUSTRATED PARTS MANUAL GROUP 30 HYDRAULIC TANK INSTALLATION CONTAINS THE FOLLOWING FIGURES:

<b>FIGURE 00</b>	TABLE OF CONTENTS
<b>FIGURE 01</b>	TANK INSTALLATION
<b>FIGURE 02</b>	FUEL TANK ASSEMBLY
<b>FIGURE 03</b>	D05 SOLENOID VALVE ASSEMBLY
<b>FIGURE 04</b>	SOLENOID VALVE SUBASSEMBLY
<b>FIGURE 05</b>	UNLOADER MANIFOLD ASSEMBLY
<b>FIGURE 06</b>	HYDRAULIC TANK ASSEMBLY
<b>FIGURE 07</b>	ACCUMULATOR ASSEMBLY



# TANK INSTALLATION



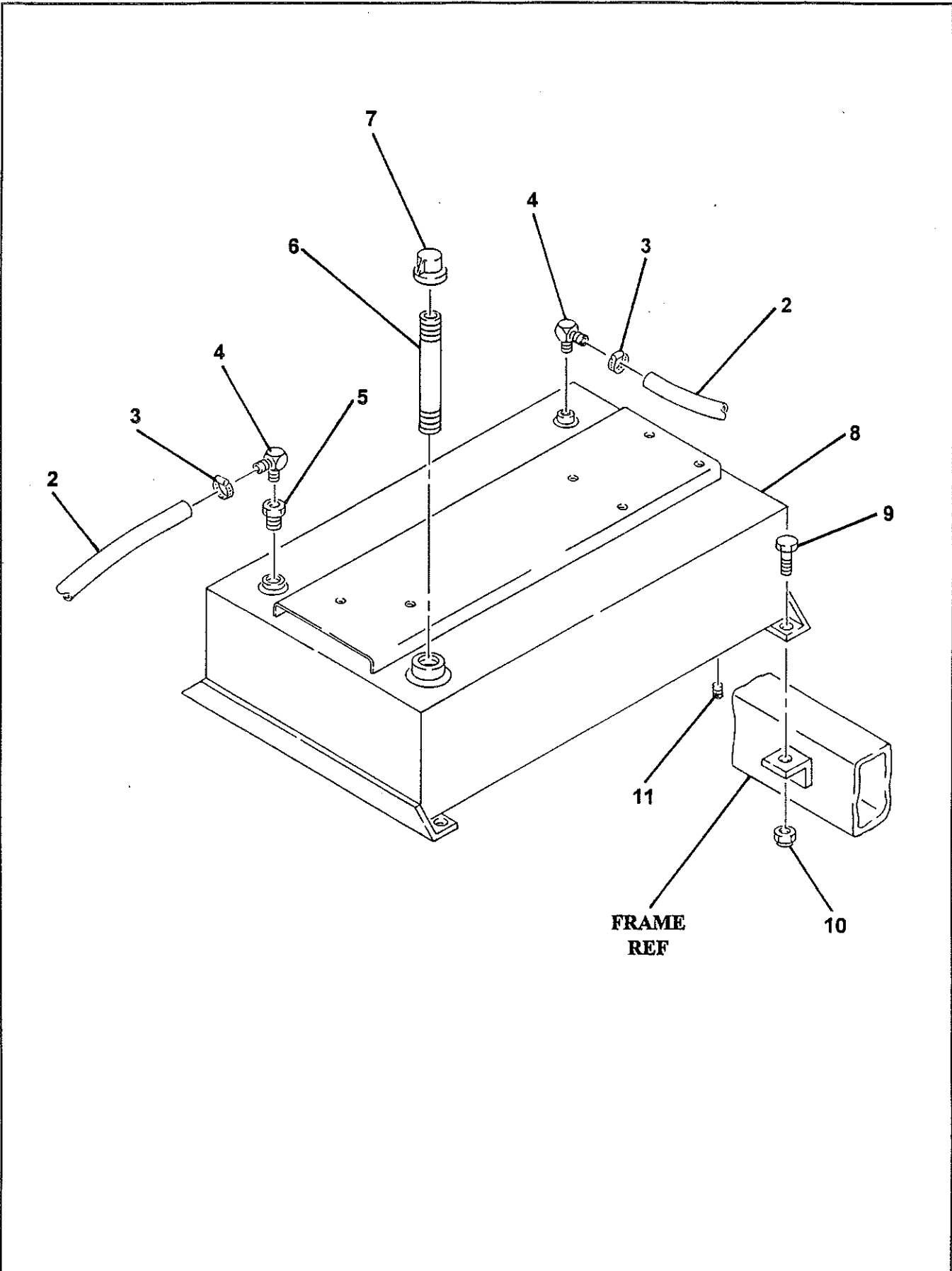
**REED**CONCRETE PLACING  
EQUIPMENT**TANK INSTALLATION****PARTS  
GROUP 30  
FIGURE 01  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	30-01	Installation, Tank (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
2	30-02	• Assembly, Fuel Tank (See Group 30, Figure 02 for DET)	1
3	30-03	• Assembly, D05 Solenoid Valve (See Group 30, Figure 03 for DET)	1
4	75083	• Decal, Danger, You Must Not Operate This Machine Unless	1
5	30-05	• Assembly, Unloader Manifold (See Group 30, Figure 05 for DET)	1
6	30-06	• Assembly, Hydraulic Tank (See Group 30, Figure 06 for DET)	1
7	72282	• Decal, <b>B30 HO</b>	1
8	75026	• Decal, <b>R</b>	1
9	75020	• Decal, Hydraulic Oil	1
10	30-05	• Assembly, Accumulator (See Group 30, Figure 05 for DET)	1
11	75003	• Decal, Warning, Relieve Pressure Before Disassemble	1
12	75022	• Decal, The Filter Element Inside This Housing Must be Replaced	1
13	75017	• Decal, Diesel Only	1
-14	79733	• Kit, <b>B30 HO</b> Hose (See Schematic Section, Page 02 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**FUEL TANK ASSEMBLY**



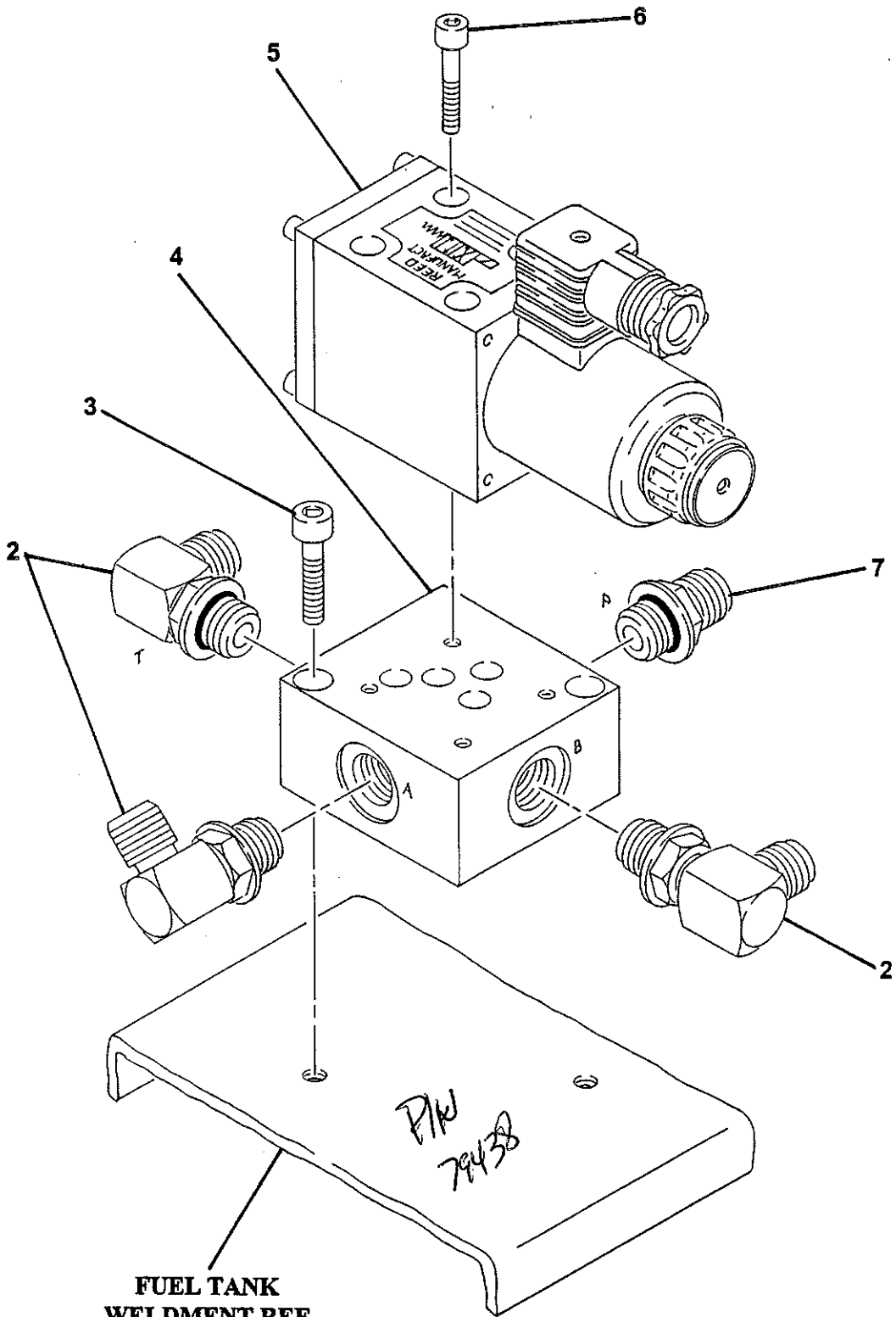
**REED**CONCRETE PLACING  
EQUIPMENT**FUEL TANK ASSEMBLY****PARTS**  
GROUP 30  
FIGURE 02  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	30-02	Assembly, Fuel Tank (See Group 30, Figure 01 for NHA)					Ref
2		• Tube, Fuel					A/R
3		• Clamp, Mini					2
4		• Fitting, 90					2
5		• Reducer					1
6	71363	• Nipple					1
7	74710	• Cap, Fuel					1
8	79487	• Weldment, Fuel Tank					1
9		• Bolt, Hex (attaching parts)					4
10		• Nut, Lock (attaching parts)					4
11		• Plug, Drain					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**D05 SOLENOID VALVE ASSEMBLY**



**FUEL TANK  
WELDMENT REF  
(P/N: 79490)**

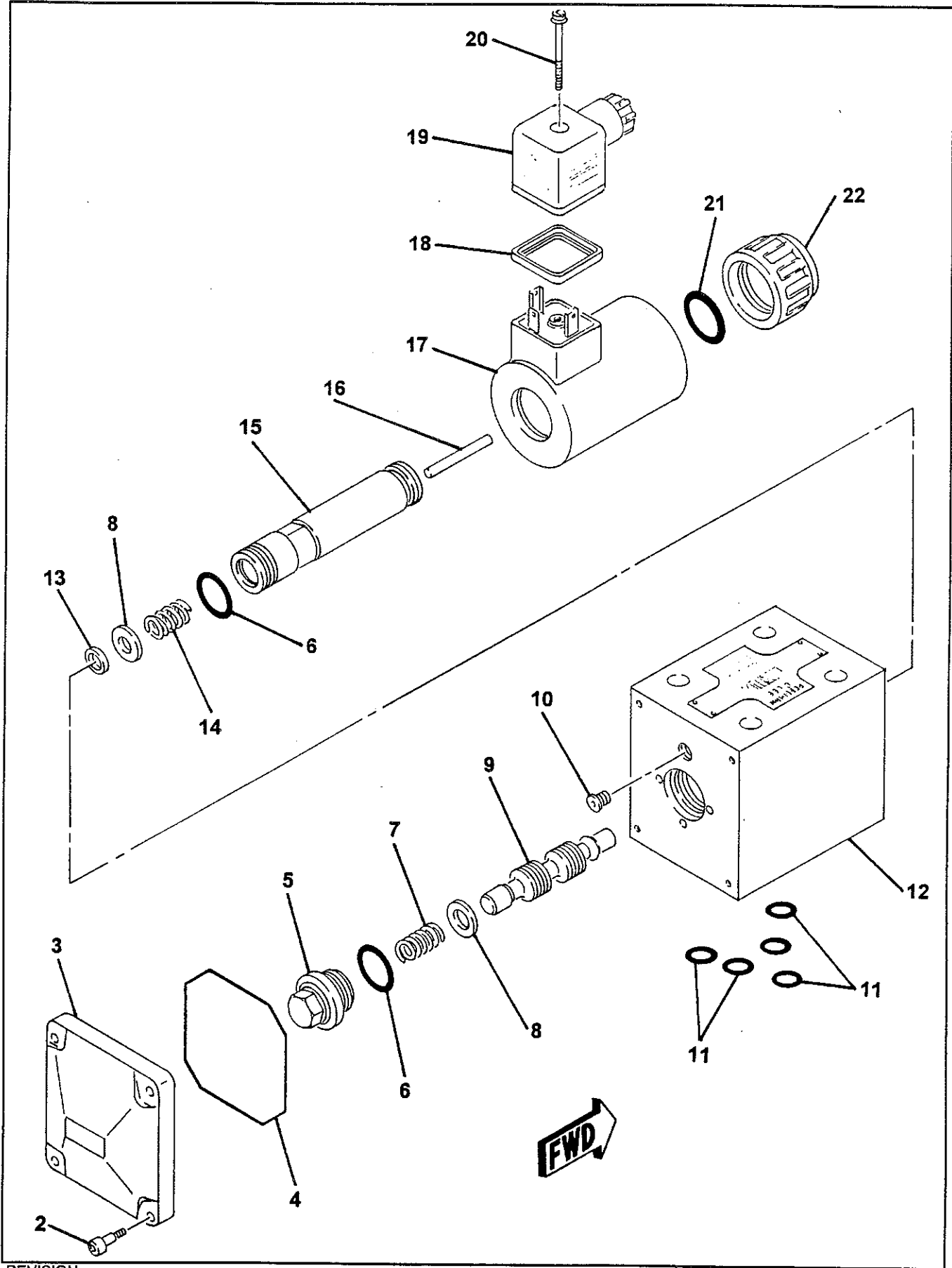
**REED**CONCRETE PLACING  
EQUIPMENT**D05 SOLENOID VALVE ASSEMBLY****PARTS**  
GROUP 30  
FIGURE 03  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	30-03	Assembly, D05 Solenoid Valve (See Group 30, Figure 01 for NHA)					Ref
2	86728-014	• Fitting, 90					3
3	5/16-18 X 2 1/2"	• Screw, Cap					2
4	72983	• Sub-Plate, D05					1
5	72984	• Sub-Assembly, D05 Solenoid Valve (See Group 30, Figure 04 for DET)					1
6	1/4-20 X 3 1/2	• Screw, Cap (attaching parts)					4
7	86900-017	• Fitting, STR					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**SOLENOID VALVE SUB-ASSEMBLY**



REVISION:



**REED**CONCRETE PLACING  
EQUIPMENT**SOLENOID VALVE SUB-ASSEMBLY****PARTS**  
GROUP 30  
FIGURE 04  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	72984	Sub-Assembly, Solenoid Valve (See Group 30, Figure 03 for NHA)	Ref
2		• Screw, M5 -16	4
3		• Cover	1
4		• Seal	1
5		• Cover, Spring	1
6		• O-Ring	2
7		• Spring, Compression	1
8		• Retainer, Spring	2
9		• Spool	1
10		• Plug	1
11		• O-Ring	5
12		• Housing	1
13		• Disk	1
14		• Spring, Compression	1
15		• Bolt, Special	1
16		• Amature	1
17	86674	• Coil, 12VDC Solenoid	1
18		• Seal	1
19	74597	• Connector, Plug	1
20		• • Screw (attaching parts)	1
21		• O-Ring	1
22		• Nut, Coil	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

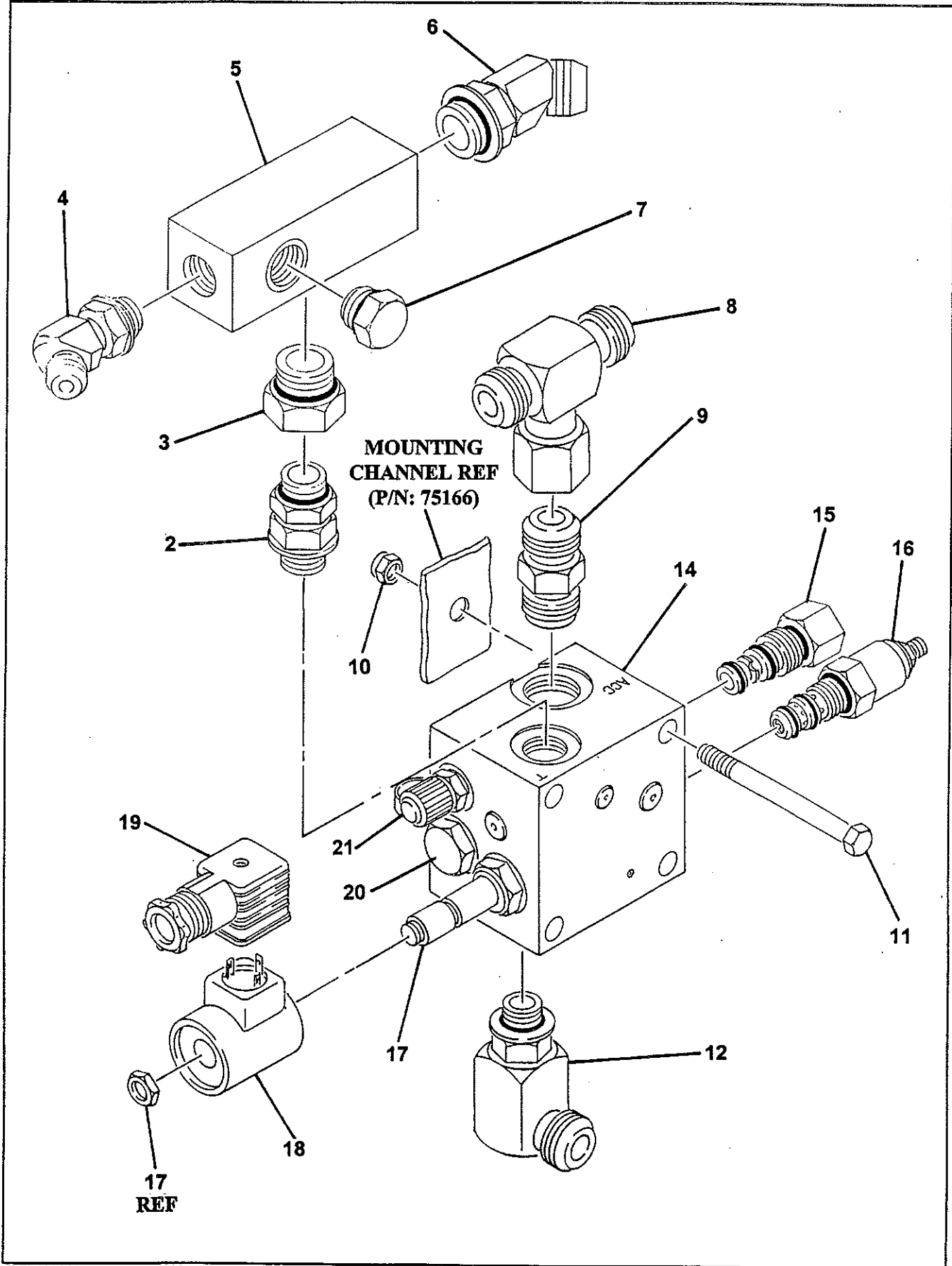
**UNLOADER MANIFOLD ASSEMBLY**

**PARTS**

GROUP 30

FIGURE 05

PAGE 01



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**UNLOADER MANIFOLD ASSEMBLY****PARTS**

GROUP 30

FIGURE 05

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	30-05	Assembly, Unloader Manifold (See Group 30, Figure 01 for NHA)					Ref
2		• Fitting, STR					1
3		• Reducer					1
4		• Fitting, 90					1
5	79781	• Manifold					1
6		• Fitting, 90					1
7		• Plug					1
8		• Tee					1
-9		• Fitting, STR					1
10		• Nut, Nylock 5/16 - 18					4
11		• Bolt, Hex 5/16 -18 x 3 3/4					4
12		• Fitting, 90					1
-13	72803	• Manifolder, Unloader					1
14		• • Body, Manifolder					1
15	73203	• • Valve, Directional Control					1
16	73155	• • Cartridge, Unloader					1
17	73143	• • Cartridge, Solenoid					1
18	73184	• • Coil, 12 VDC					1
19	74597	• • Connector, Plug					1
20	73140	• • Cartridge, Check Valve					1
21	78593	• • Fitting, Mini Check (Port)					1

DASH (-) ITEM NOT ILLUSTRATED

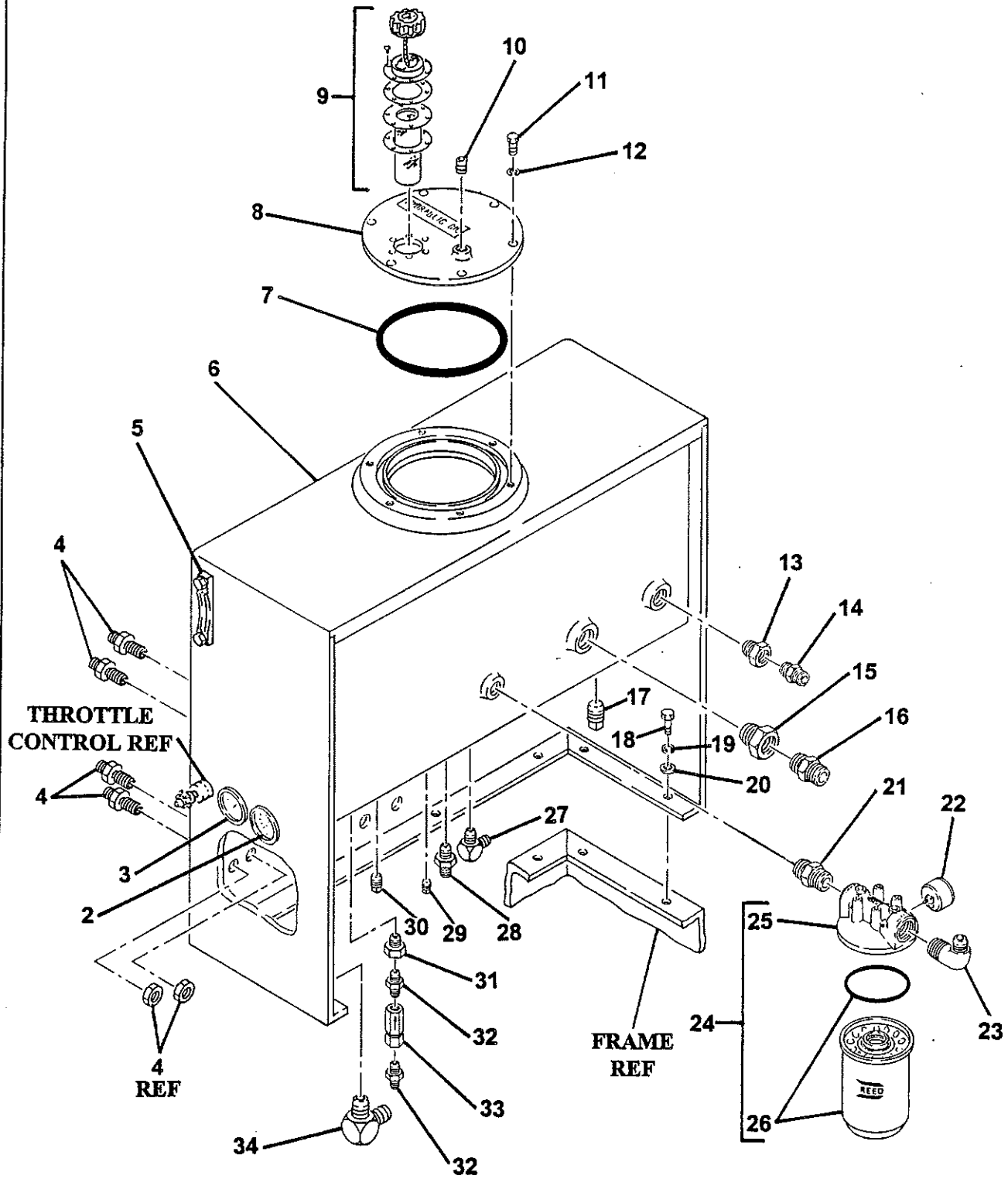
REVISION:

# REED

CONCRETE PLACING  
EQUIPMENT

## HYDRAULIC TANK ASSEMBLY

PARTS  
GROUP 30  
FIGURE 06  
PAGE 01



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**HYDRAULIC TANK ASSEMBLY****PARTS**  
GROUP 30  
FIGURE 06  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	30-06	Assembly, Hydraulic Tank (See Group 30, Figure 01 for NHA)	Ref
2	70366	• Gauge, 3,000 PSI Hydraulic	1
3	74562	• Gauge, 5,000 PSI Hydraulic	1
4		• Fitting, STR	4
5	74509	• Gauge, Sight	1
6	79490	• Weldment, Hydraulic Tank	1
7	74004	• O-Ring	1
8	72645	• Cover, Tank Top	1
9	74508	• Cap, Breather	1
10		• Plug	1
11		• Bolt, Hex	6
12		• Washer, Lock	6
13		• Reducer	1
14		• Fitting, STR	1
15		• Reducer	1
16		• Fitting, STR	1
17		• Plug	1
18		• Bolt, Hex	8
19		• Washer, Lock	8
20		• Washer, Flat	8
21		• Fitting, STR	1
22	79453	• Gauge, Hydraulic Filter	1
23		• Fitting, 90	1
24	79452	• Assembly, Return Filter	1
25		• • Cap, Filter	1
26	79554	• • Element, Filter with O-Ring	1
27		• Fitting, 90	1
28		• Fitting, STR	1
29		• Plug	1
30		• Plug	1
31		• Reducer	1
32		• Fitting, STR	2
33	74324	• Valve, Check	1
34		• Fitting, 90	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

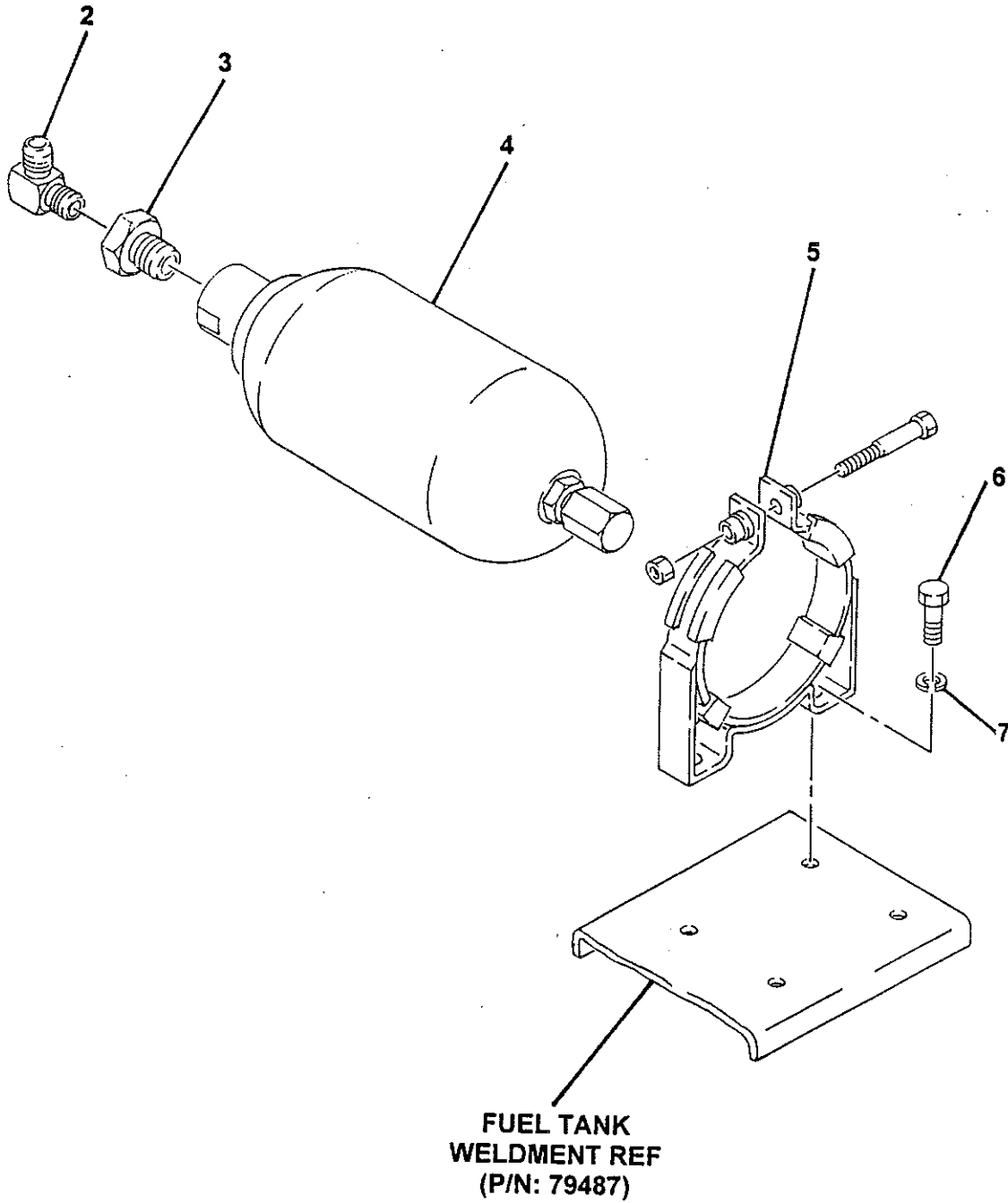
**ACCUMULATOR ASSEMBLY**

**PARTS**

GROUP 30

FIGURE 07

PAGE 01



REVISION:



# ACCUMULATOR ASSEMBLY

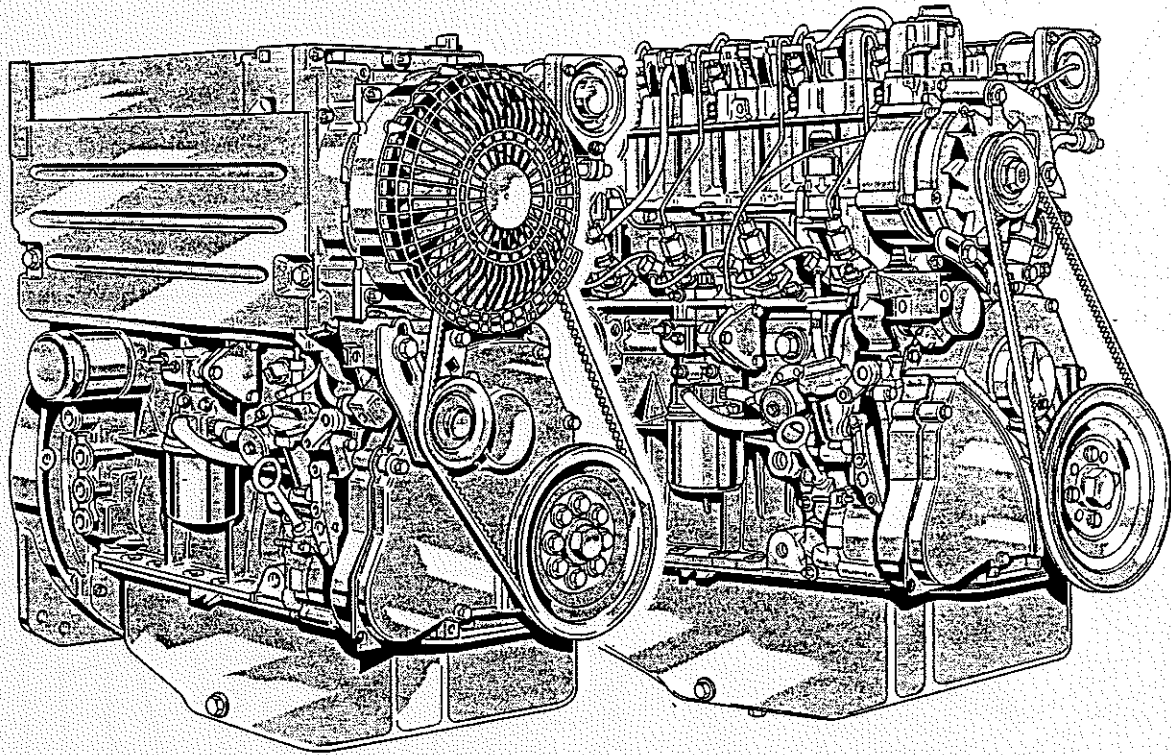
**PARTS**  
**GROUP 30**  
**FIGURE 07**  
**PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	30-07	Assembly, Accumulator (See Group 30, Figure 01 for NHA)					Ref
2		• Fitting, 90					1
3		• Reducer					1
4	74515	• Accumulator, 1 Gal (Optional Item)					1
5	73171	• Bracket, Accumulator (Used for P/N: 74515)					2
6		• Bolt, Hex (attaching parts) (Used for P/N: 74515)					4
7		• Washer, Lock (attaching parts) (Used for P/N: 74515)					4
-8	71460	• Kit, Accumulator Charge (Used for P/N: 74515) (See Group 80, Figure 07 for REF)					Ref
-9	80-08	• Kit, Bladder Repair (Used for P/N: 74515) (See Group 80, Figure 08 for REF)					Ref

DASH (-) ITEM NOT ILLUSTRATED

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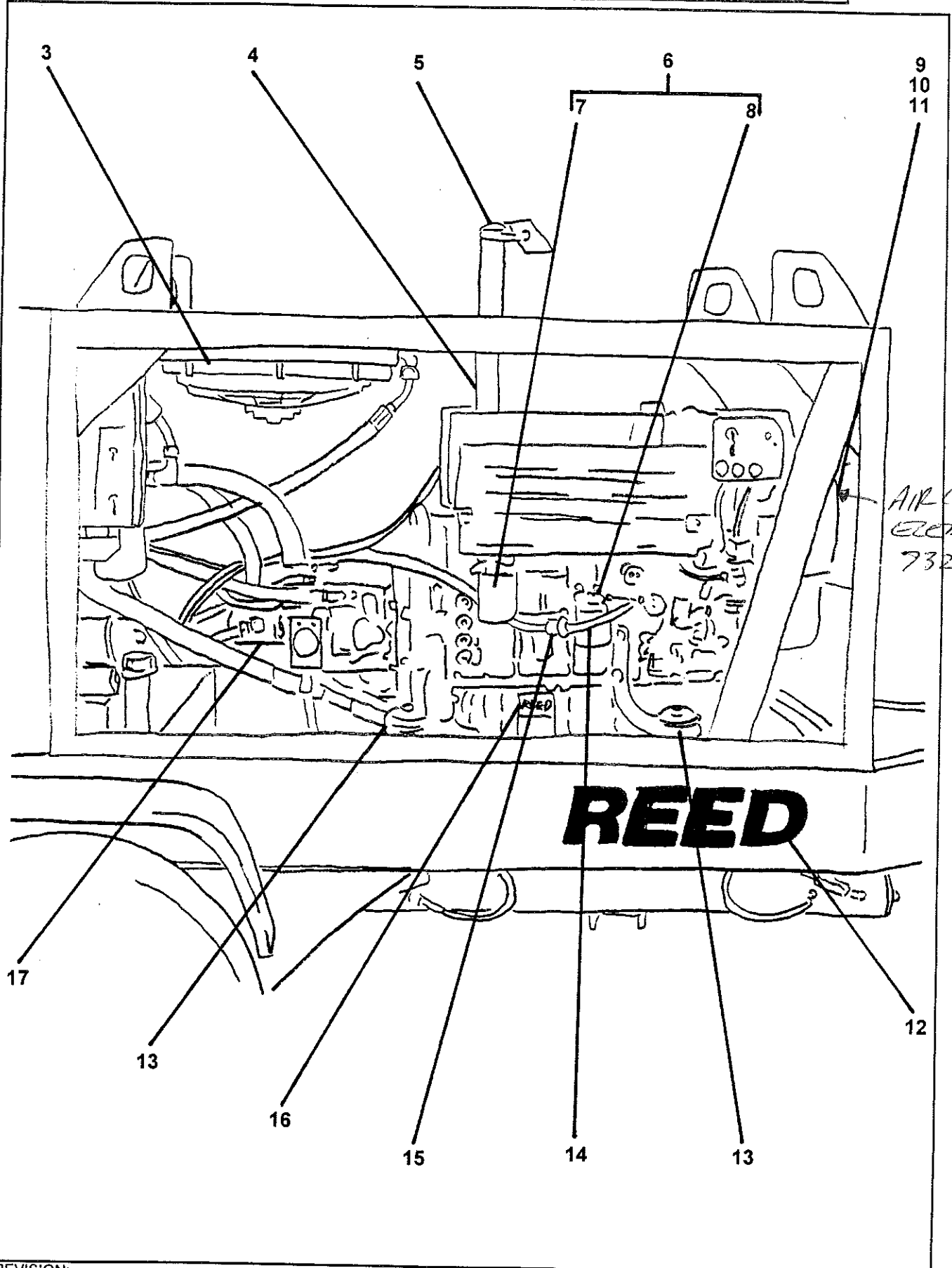


**REED**CONCRETE PLACING  
EQUIPMENT**TRAILER MOUNTED PUMP B30 HO  
GROUP 40 POWER TRAIN INSTALLATION****PARTS  
GROUP 40  
FIGURE 00  
PAGE 01**

**REED** TRAILER MOUNTED CONCRETE PUMP MODEL **B30 HO** ILLUSTRATED PARTS MANUAL GROUP 40 POWER TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

<b>FIGURE 00</b>	TABLE OF CONTENTS
<b>FIGURE 01</b>	POWER TRAIN INSTALLATION
<b>FIGURE 02</b>	PUMPS ASSEMBLY
<b>FIGURE 03</b>	DOUBLE AUXILIARY PUMP ASSEMBLY
<b>FIGURE 04</b>	MAIN PUMP ASSEMBLY
<b>FIGURE 05</b>	BATTERY MOUNTING ASSEMBLY
<b>FIGURE 06</b>	AUXILIARY PUMP ASSEMBLY

**POWER TRAIN INSTALLATION**



AIR CLEANER  
 ELEMENT  
 73252

**REED**CONCRETE PLACING  
EQUIPMENT**HYDRAULIC PUMPS ASSEMBLY****PARTS****GROUP 40****FIGURE 02****PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	40-02	Assembly, Hydraulic Pump (See Group 40, Figure 01 for NHA)	Ref
2		• Washer, Lock	2
3		• Bolt, Hex	2
4		• Fitting, 90	2
5	73156	• Assembly, Double Auxiliary Pump (See Group 40, Figure 03 for DET)	1
6		• Kit, Flange	1
7		• Fitting, Tee	1
8		• Fitting STR	1
9		• Kit, Flange	1
10	79560	• Assembly, <b>B30 HO</b> Main Pump (See Group 40, Figure 04 for DET) (Also See Vendor Section, Figure 02 for REF)	1
11		• Washer, Lock (attaching parts)	2
12		• Bolt, Hex (attaching parts)	2
13		• Fitting, 90	1
14	79570	• Control, <b>B30 HO</b> Flow	1
15		• Washer, Lock (attaching parts)	4
16		• Screw, Allen (attaching parts)	4
17	79724	• Assembly, Flywheel Coupling	1
18		• • Bolt, Hex	12
19		• • Washer, SPL	12
20		• • Plate, Flywheel	1
21		• • Screw	6
22		• • Washer	6
23		• • Drive, Flywheel	1
24	72978	• Assembly, Auxiliary Pump (Optional Item) (See Group 40, Figure 06 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

# REED

CONCRETE PLACING  
EQUIPMENT

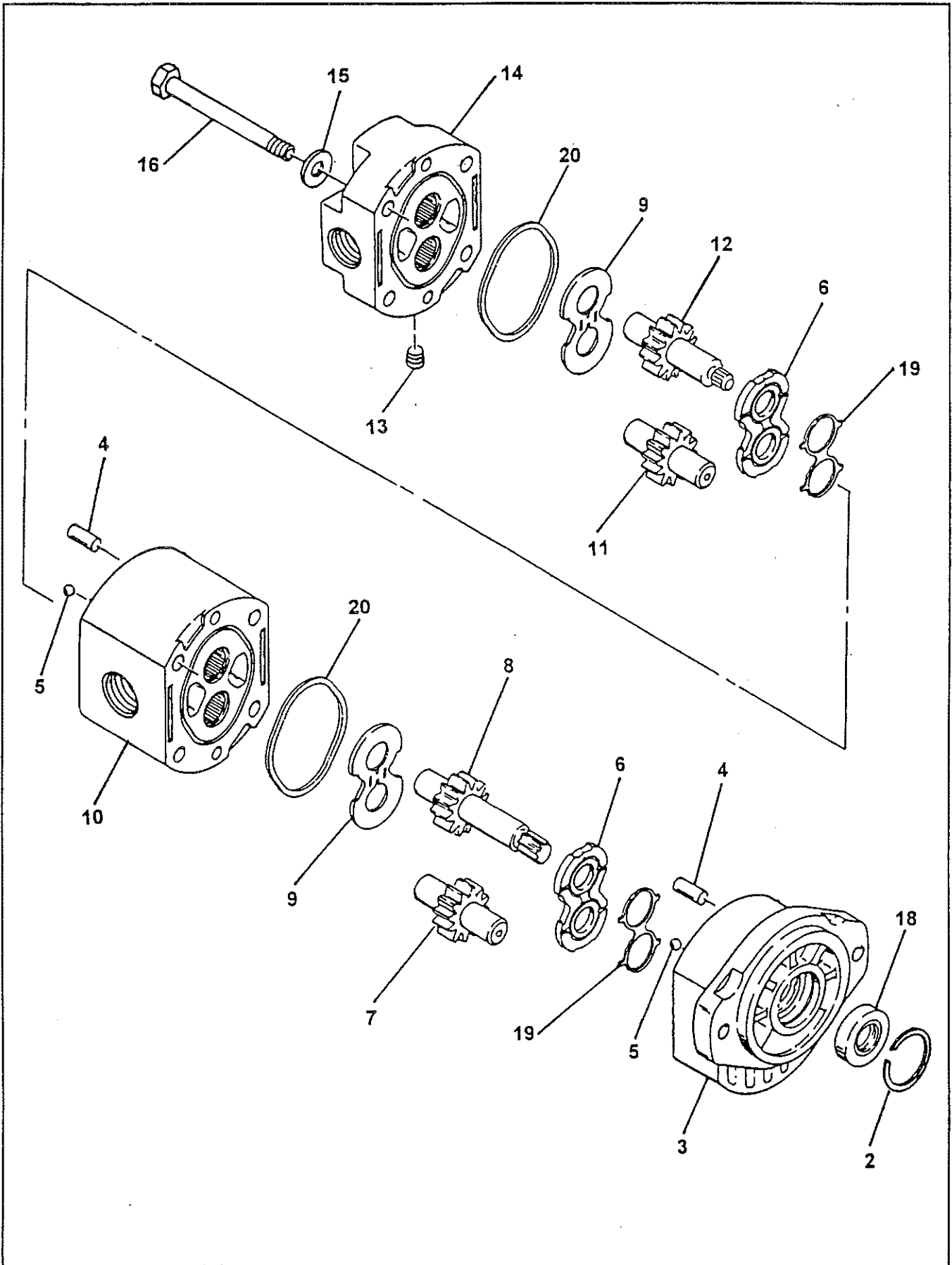
## DOUBLE AUXILIARY PUMP ASSEMBLY

PARTS

GROUP 40

FIGURE 03

PAGE 01



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**POWER TRAIN INSTALLATION****PARTS**

GROUP 40

FIGURE 01

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	40-01	Installation, Power Train (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
-2	79439	• Cable, Throttle Control	1
3	79433	• Cooler, Hydraulic Oil	1
4	79449	• Stack, Exhaust	1
5	72899	• Cup, Rain	1
6	79440	• Assembly, Engine (See Vendor Section, Figure 01 for REF)	1
7	72909	• • Element, Oil Filter	1
8	72960	• • Element, Fuel Filter	1
9	79534	• Intake, Air Small	1
10	79535	• Intake, Air Large	1
11	78212	• Elbow, Exhaust	1
12	73132	• Decal, <b>REED</b> 4 1/2 Inch	3
13	72158	• Mount, Engine	4
14		• Hose, Fuel	1
15	73551	• Filter, Inline Fuel	1
16	75096	• Decal, <b>REED</b>	1
17	40-02	• Assembly, Main and Auxiliary Pumps (See Group 40, Figure 02 for DET)	1
-18	40-05	• Assembly, Battery Mounting (See Group 40, Figure 05 for DET)	1
-19	74271	• Assembly, Wiring Harness	1
-20	73269	• Strap, Ground	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

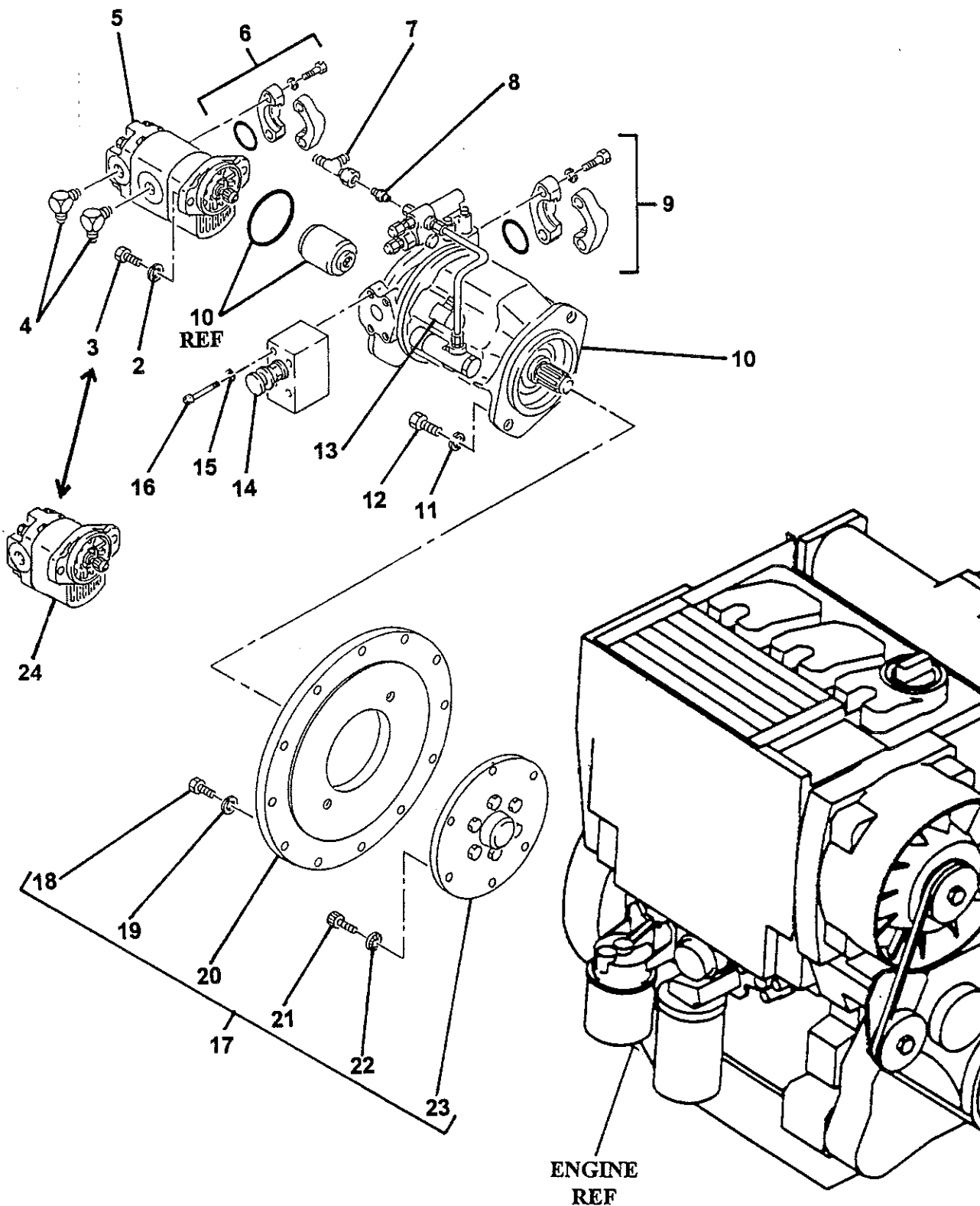
# HYDRAULIC PUMPS ASSEMBLY

**PARTS**

GROUP 40

FIGURE 02

PAGE 01



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**DOUBLE AUXILIARY PUMP ASSEMBLY****PARTS  
GROUP 40  
FIGURE 03  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	73156	Assembly Double Auxiliary Pump (Optional Item) (See Group 40, Figure 02 for NHA)	Ref
2		• Retainer	1
3		• Assembly, Body	1
4		• Pin, Dowel	4
5		• Bearing, Ball	4
6		• Plate, Wear	2
7		• Gear, Driven	1
8		• Gear, Drive	1
9		• Plate, Thrust	2
10		• Assembly, Middle Body	1
11		• Gear, Rear Driven	1
12		• Cover, Rear Drive	1
13		• Plug, Pipe	1
14		• Assembly, Cover	1
15		• Washer, Flat (attaching parts)	4
16		• Screw, Hex (attaching parts)	4
-17		• Kit, Seal	1
18		• • Seal, Shaft	1
19		• • Rubber, Space	2
20		• • Ring, Square Cut	2

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

# REED

CONCRETE PLACING  
EQUIPMENT

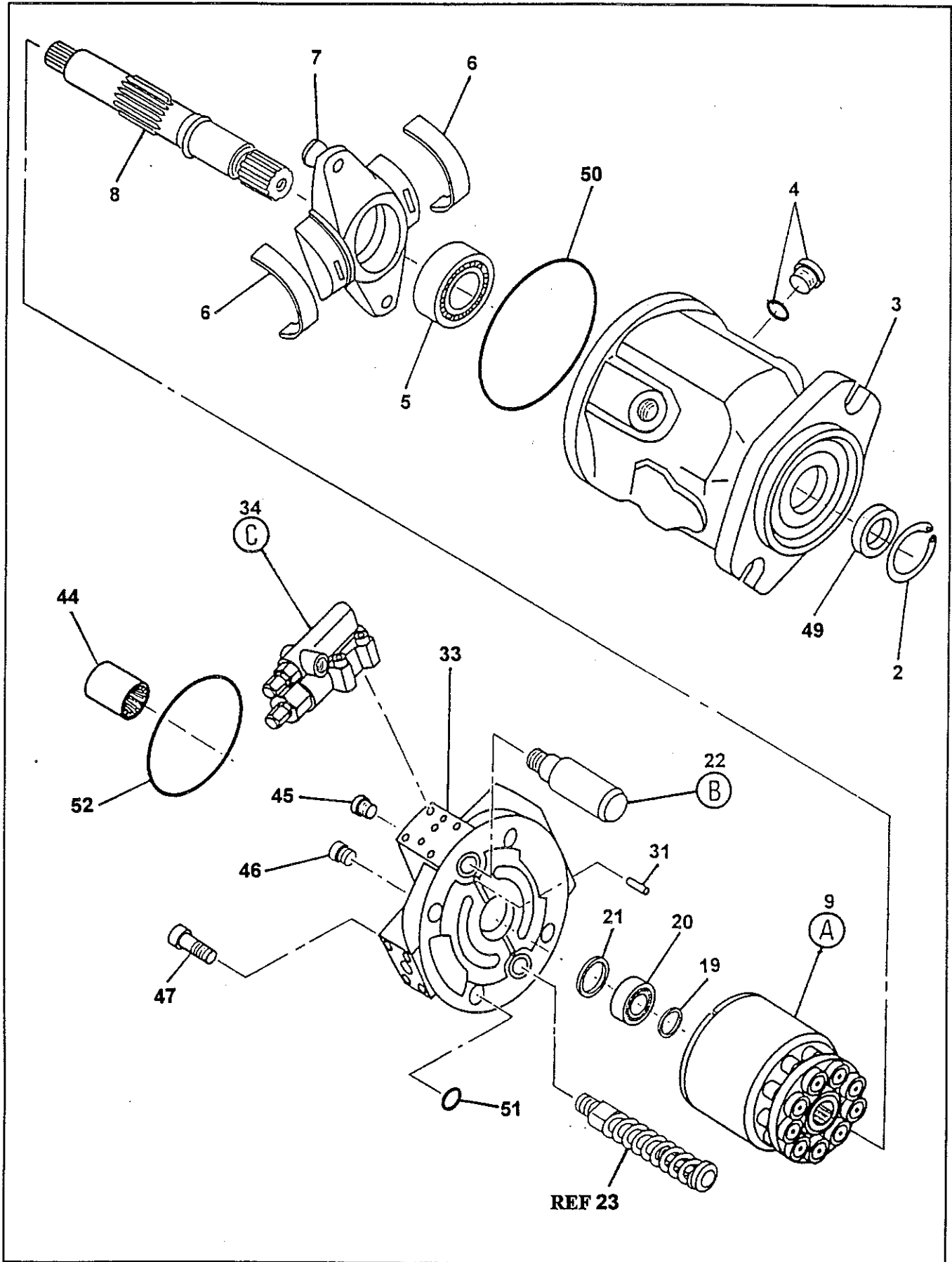
## MAIN PUMP ASSEMBLY

PARTS

GROUP 40

FIGURE 04

PAGE 01



REVISION:



**REED**CONCRETE PLACING  
EQUIPMENT**MAIN PUMP ASSEMBLY****PARTS**  
GROUP 40  
FIGURE 04  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	79560	Assembly, Main Pump (See Group 40, Figure 02 for NHA) (Also See Vendor Section, Figure 02 for REF)					Ref
2		• V-Ring, Seeger					1
3		• Housing, Pump					1
4		• Plug, O-Ring					1
5		• Bearing, Tapered Roller					1
6		• Bearing, Cradle					2
7		• Assembly, Cradle					1
8		• Shaft, Drive					1
9		• Assembly, Rotary					1
23		• Assembly, Piston Control					1
33		• Block					1
34		• Assembly, Control Valve					1
44		• Coupling					1
45		• Plug					1
46		• Plug					1
47		• Screw, Cap					2
-48		• Kit, Seal					1
49		•• Seal, Shaft					1
50		•• O-Ring					1
51		•• O-Ring					1
52		•• O-Ring					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

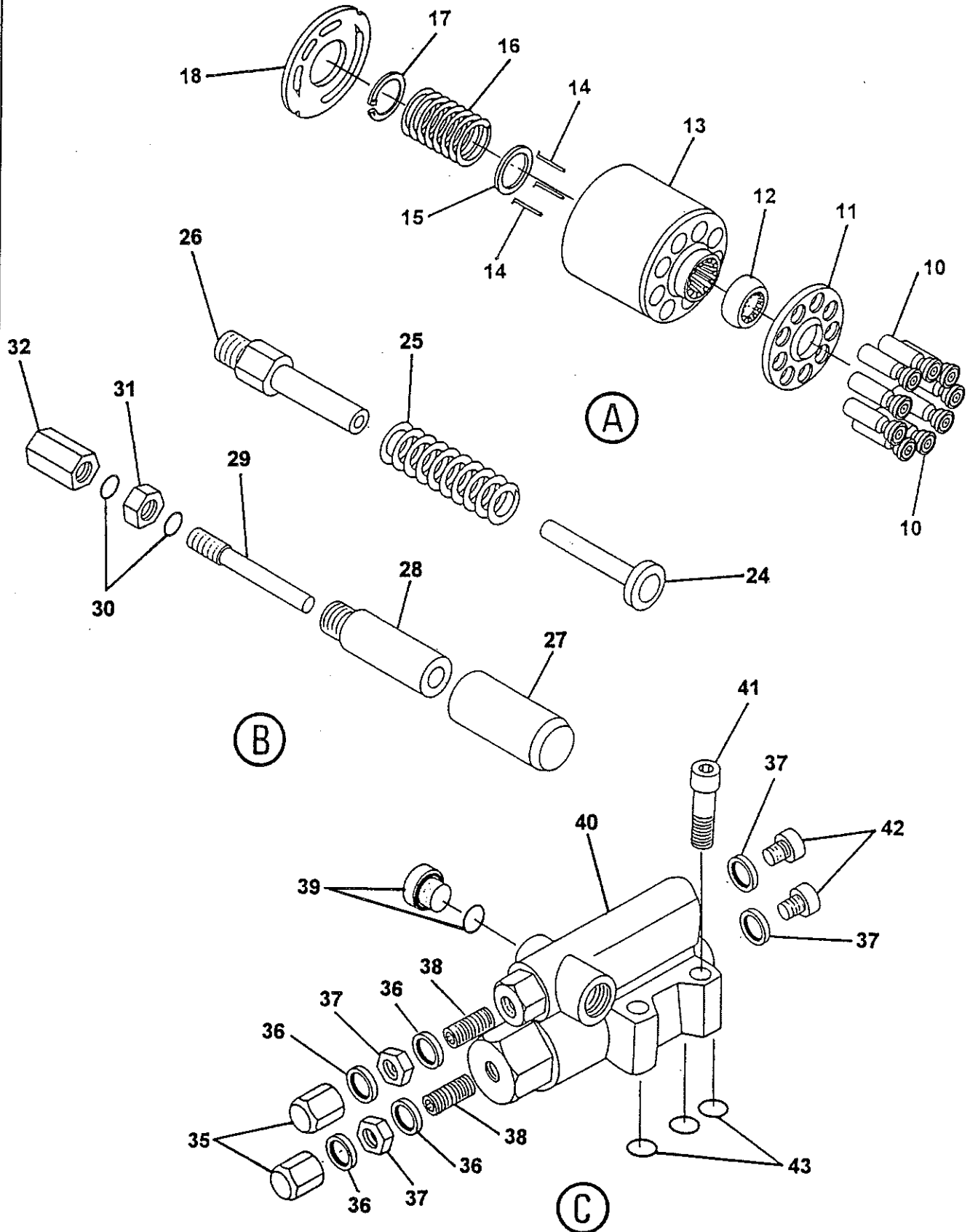
# MAIN PUMP ASSEMBLY

**PARTS**

GROUP 40

FIGURE 04

PAGE 03



REVISION:

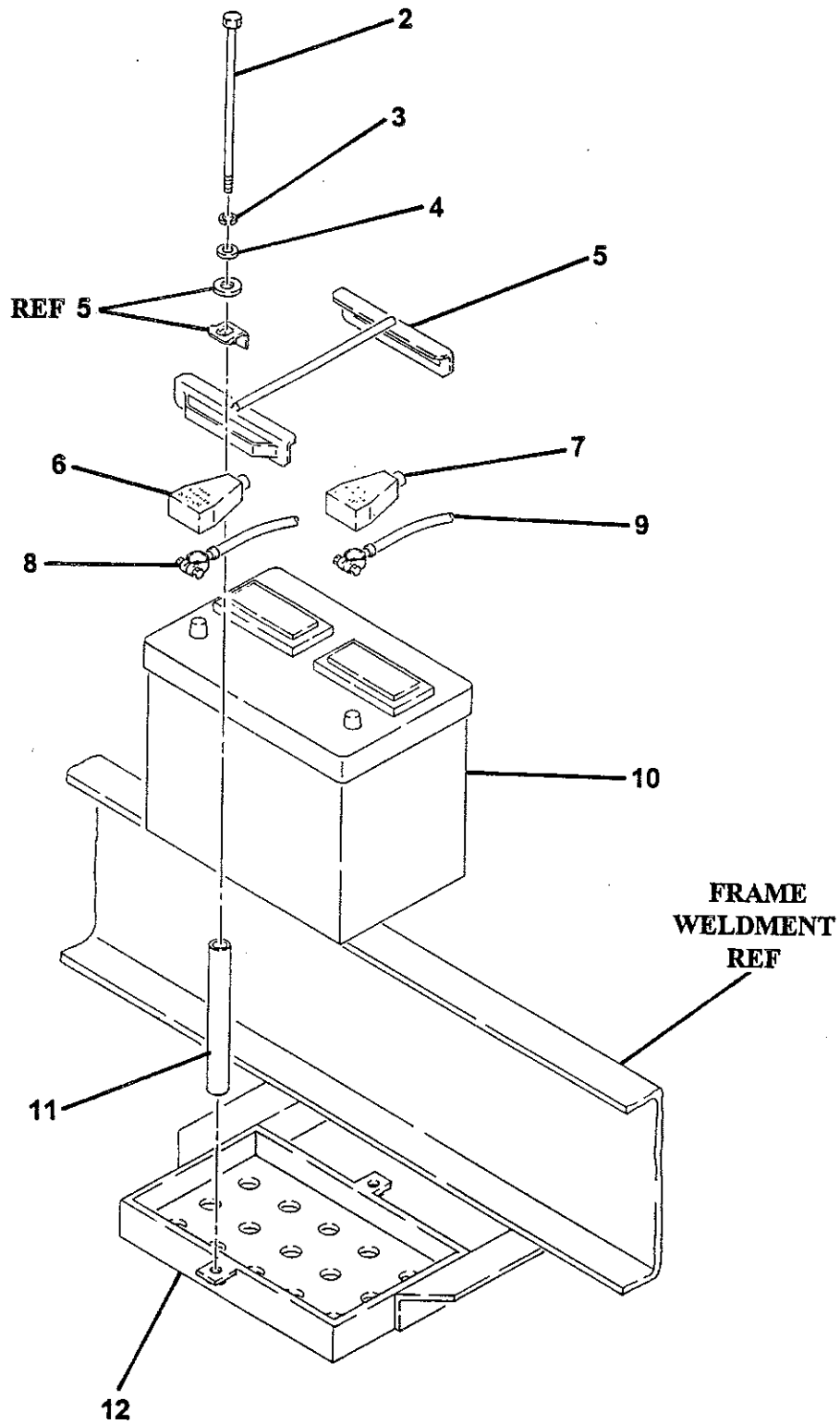
**REED**CONCRETE PLACING  
EQUIPMENT**MAIN PUMP ASSEMBLY****PARTS****GROUP 40****FIGURE 04****PAGE 04**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-9		• Assembly, Rotary					1
10		• • Piston					9
11		• • Plate, Retainig					1
12		• • Ball, Retaining					1
13		• • Barrel					1
14		• • Pin, Pressure					3
15		• • Disc, Retaining Clip					1
16		• • Spring					1
17		• • Ring, Retaining					1
18		• • Plate, Lens					1
-23		• Assembly, Piston Control					1
24		• • Piston, Counter					
25		• • Spring					1
26		• • Guide, Counter Piston					1
27		• • Piston, Counter					1
28		• • Guide, Counter Piston					1
29		• • Screw, Max Volume Adjustment					1
30		• • O-Ring					2
31		• • Nut, Lock					1
32		• • Nut, Acorn					1
-34		• Assembly, Control Valve					1
35		• • Nut, Acorn					2
36		• • O-Ring					3
37		• • Nut, Jam					2
38		• • Screw, Adjusting					2
39		• • Plug, O-Ring					1
40		• • Body, Control Valve					1
41		• • Screw, Cap (attaching parts)					4
42		• • Plug					2
43		• • O-Ring					3

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

# BATTERY MOUNTING ASSEMBLY



**REED**CONCRETE PLACING  
EQUIPMENT**BATTERY MOUNTING ASSEMBLY****PARTS**  
GROUP 40  
FIGURE 05  
PAGE 02

ITEM NO.	REED'S PARTS NO.	BATTERY MOUNTING	QTY
-1	40-05	Assembly, Main Hydraulic Pump (See Group 40, Figure 01 for NHA)	Ref
2		• Bolt, Hex	2
3		• Washer, Lock	2
4		• Washer Flat	2
5	72945	• Holder, Battery Down	1
6	77720	• Insulator, Negative Battery (Black)	1
7	77719	• Insulator, Positive Battery (Red)	1
8	75116	• Cable, Negative Battery (Black)	1
9	72016	• Cable, 24 FT Long Positive Battery (Red)	1
10	72013	• Battery	1
11	73753	• Spacer, Battery Mounting	2
12	72954	• Weldment, Battery Box	1

DASH (-) ITEM NOT ILLUSTRATED

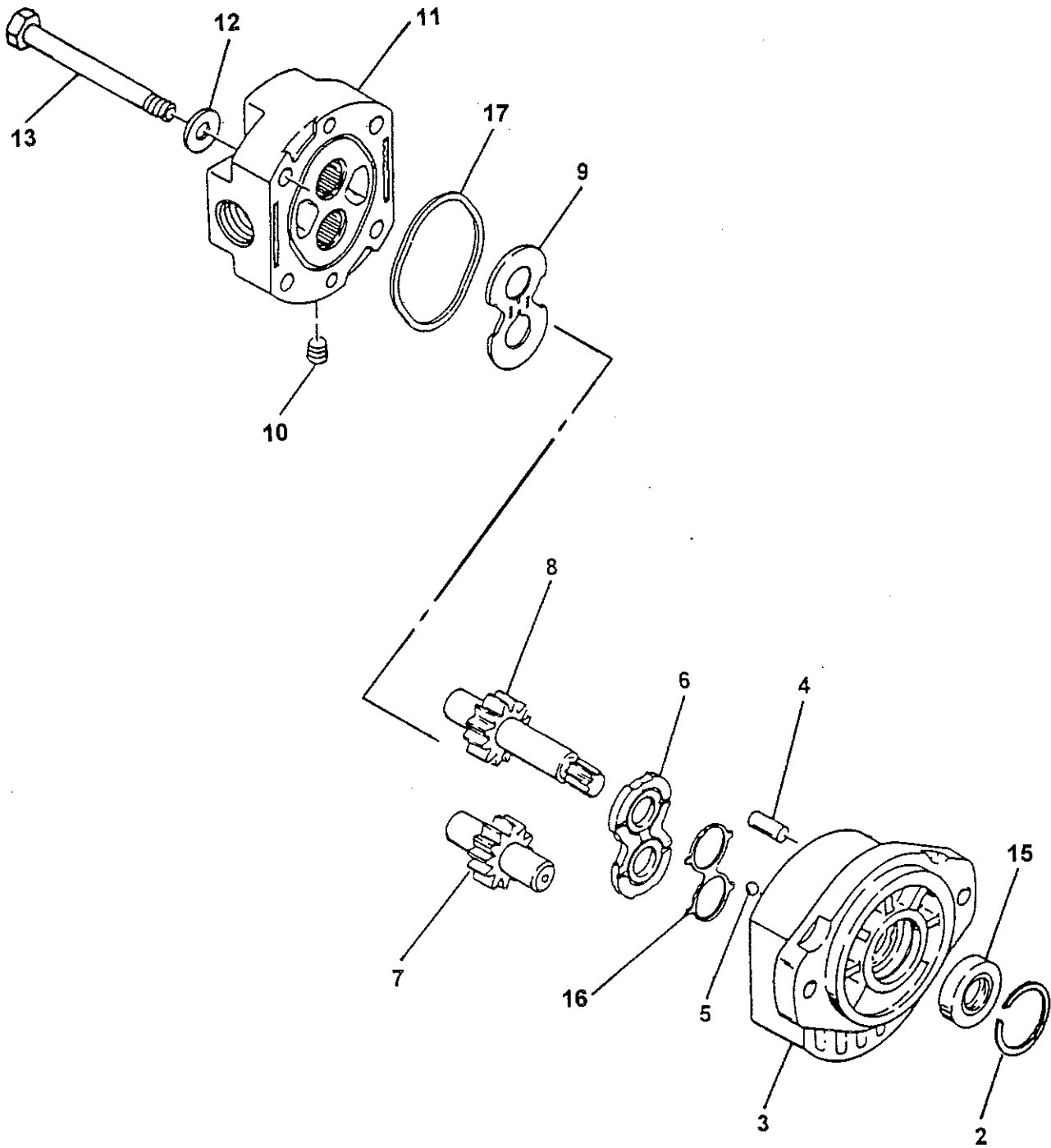
REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

# AUXILIARY PUMP ASSEMBLY

PARTS  
GROUP 40  
FIGURE 06  
PAGE 01



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**AUXILIARY PUMP ASSEMBLY****PARTS**  
GROUP 40  
FIGURE 06  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	72978	Assembly, Auxiliary Pump (Optional Item) (See Group 40, Figure 02 for NHA)					Ref
2		• Retainer					1
3		• Assembly, Body					1
4		• Pin, Dowel					2
5		• Bearing, Ball					2
6		• Plate, Wear					1
7		• Gear, Driven					1
8		• Gear, Drive					1
9		• Plate, Thrust					2
10		• Plug, Pipe					1
11		• Assembly, Cover					1
12		• Washer, Flat (attaching parts)					4
13		• Screw, Hex (attaching parts)					4
-14		• Kit, Seal					1
15		• • Seal, Shaft					1
16		• • Rubber, Space					1
17		• • Ring, Square Cut					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

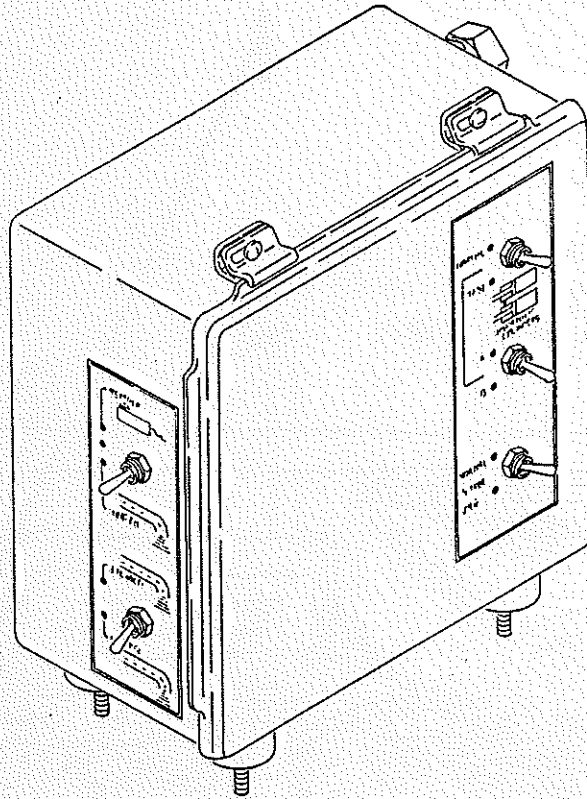


**TRAILER MOUNTED PUMP *B30 HO*  
ILLUSTRATED PARTS MANUAL**

**PARTS  
GROUP 40  
FIGURE 07  
PAGE 01**

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**REED**CONCRETE PLACING  
EQUIPMENT**TRAILER MOUNTED PUMP *B30 HO*  
GROUP 50 CONTROLS INSTALLATION****PARTS  
GROUP 50  
FIGURE 00  
PAGE 01**

**REED** TRAILER MOUNTED CONCRETE PUMP MODEL *B30 HO* ILLUSTRATED PARTS MANUAL GROUP 50 CONTROLS INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- |                  |                         |
|------------------|-------------------------|
| <b>FIGURE 00</b> | TABLE OF CONTENTS       |
| <b>FIGURE 01</b> | CONTROLS INSTALLATION   |
| <b>FIGURE 02</b> | CONTROL BOX ASSEMBLY    |
| <b>FIGURE 03</b> | REMOTE CONTROL ASSEMBLY |

**REED**

CONCRETE PLACING  
EQUIPMENT

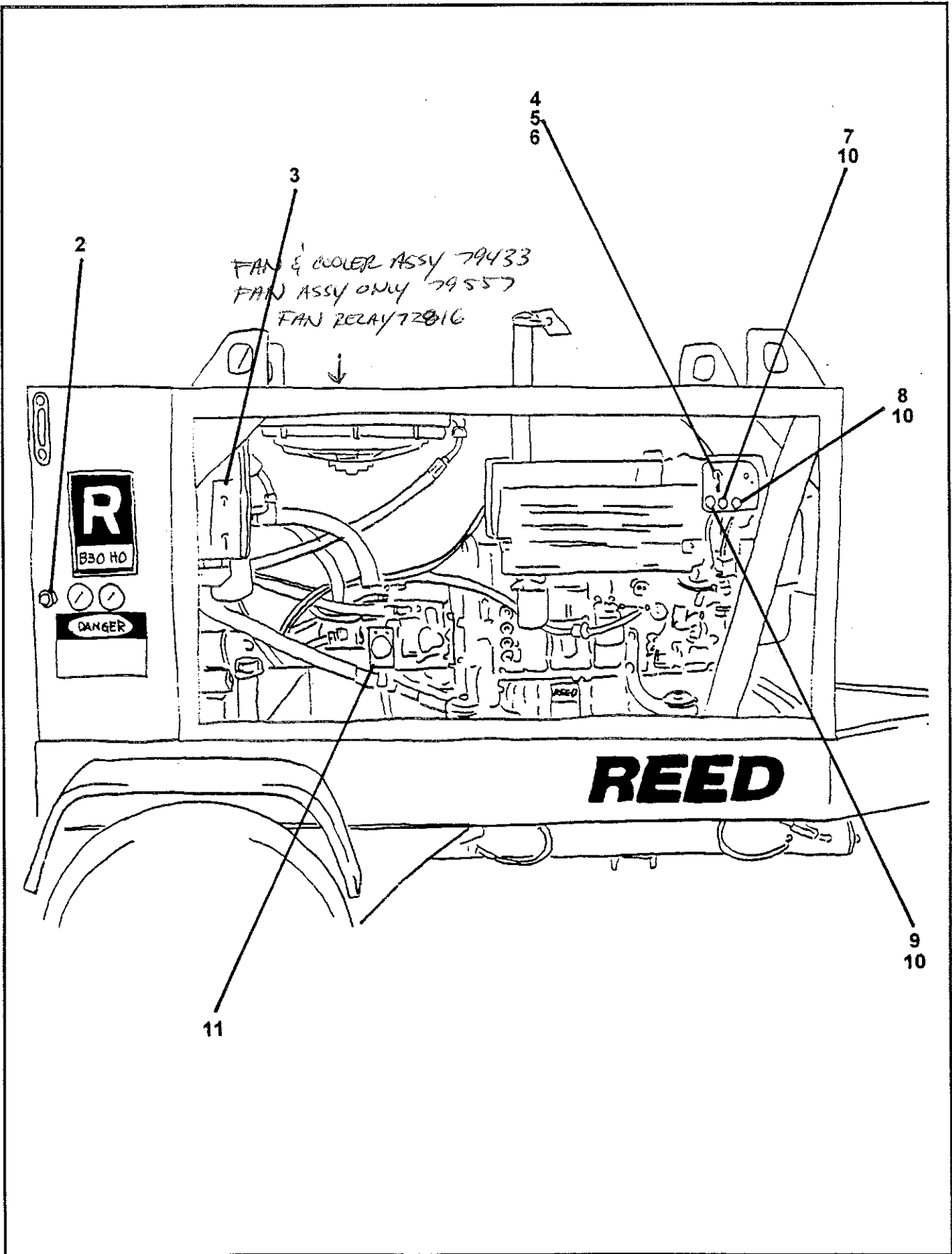
**CONTROL INSTALLATION**

**PARTS**

GROUP 50

FIGURE 01

PAGE 01



REVISION:



# CONTROL INSTALLATION

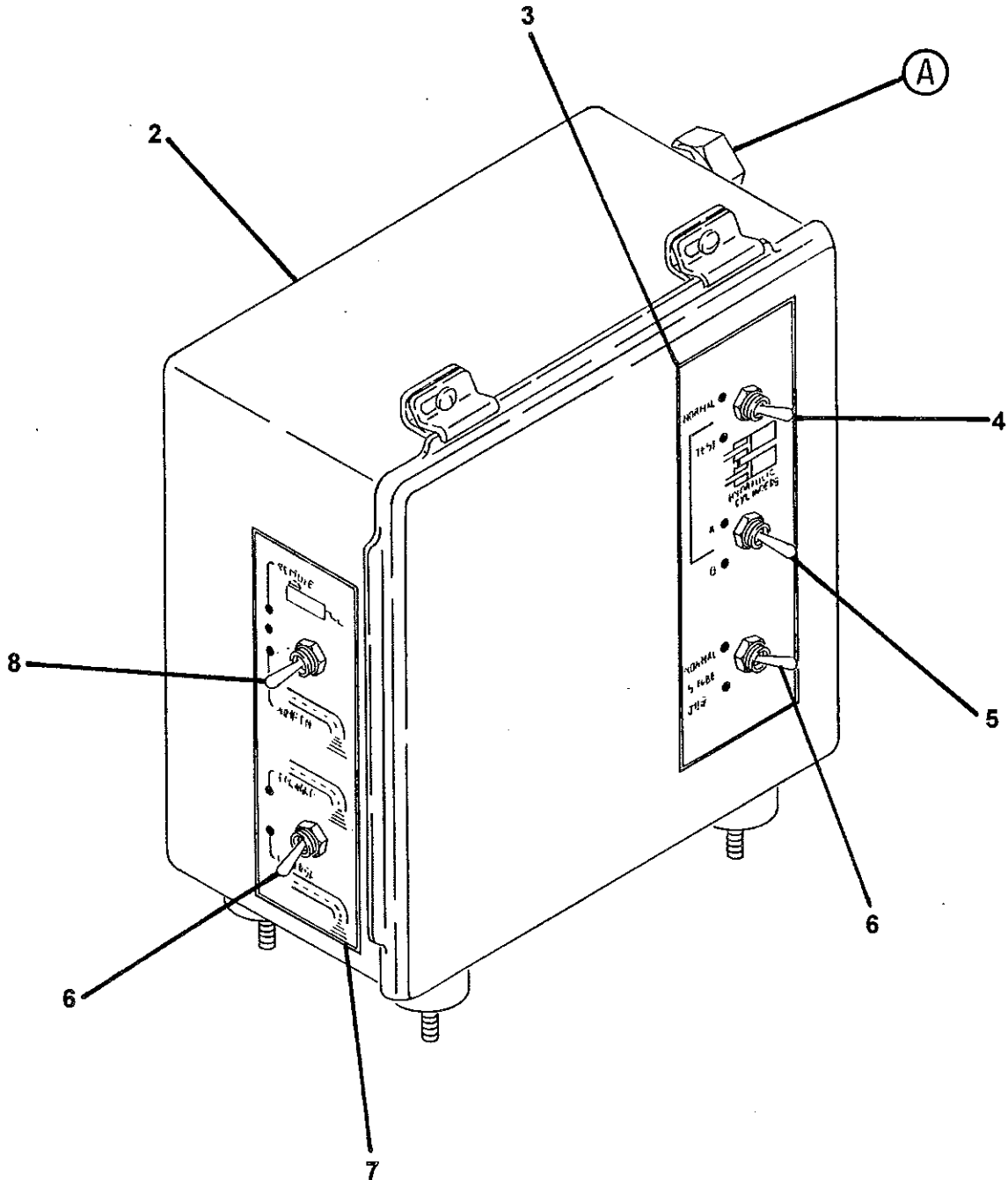
**PARTS**  
**GROUP 50**  
**FIGURE 01**  
**PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	50-01	Installation, Control (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
2	79439	• Cable, Throttle Control <i>72294 BOLT, 78202 COUPLER</i> (See Group 40, Figure 01 for REF)	1
3	79444	• Assembly, Control Box (See Group 50, Figure 02 for DET)	1
-4	74333	• Assembly, On - Off 100 Foot Remote Control (See Group 50, Figure 03 for DET)	1
5	72946	• Switch, Ignition	1
6	71155	• • Key (Pair)	1
7		• Indicator, Oil Temperature	1
8		• Indicator, Low Oil	1
9		• Indicator, Battery	1
10		• Bulb, Indicator	3
11	79570	• Assembly, Flow Control (See Group 40, Figure 02 for REF)	1
-12	20-07	• Assembly, Auger Control Valve (Optional Item) (See Group 20, Figure 04 for REF)	1
-13	80-13	• Assembly, Auger / Control Wash (Optional Item) (See Group 80, Figure 13 for REF)	1
-14	80-15	• Assembly, Auxiliary/ Auger / Wash Control Valve (Optional Item) (See Group 80, Figure 15 for REF)	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

# CONTROL BOX ASSEMBLY



**REED**CONCRETE PLACING  
EQUIPMENT**CONTROL BOX ASSEMBLY****PARTS  
GROUP 50  
FIGURE 02  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	79444	Assembly, <b>B30 HO</b> Control Box (See Group 50, Figure 01 for NHA)	Ref
2	79511	• Box, Control	1
3	79493	• Decal, <b>B30 HO</b> Control Box	1
4	72826	• Switch, Normal / Test	1
5	72964	• Switch, A / B	1
6	72963	• Switch, On / Off	2
7	79494	• Decal, <b>B30 HO</b> Remote Control	1
8	72965	• Switch, Remote / Pump On / Pump Off	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:





# CONTROL BOX ASSEMBLY

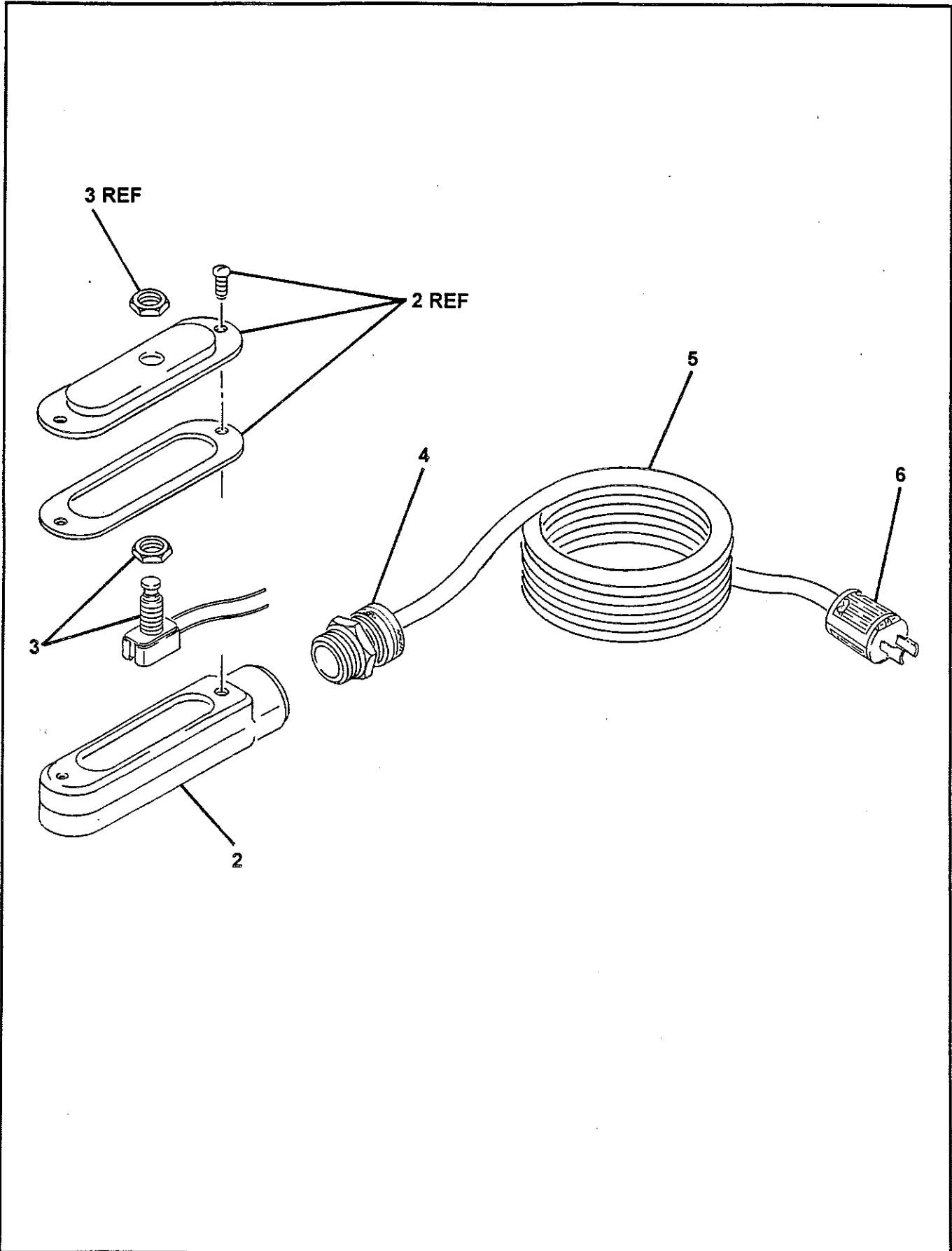
**PARTS**  
**GROUP 50**  
**FIGURE 02**  
**PAGE 04**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
9	90386	• Fuse, 15 AMP	2
10	72828	• Fuse, 5 AMP	2
11	72819	• Holder, Fuse	1
12	70752	• Box, Universal Black	1
13	72307	• Panel, Mounting	1
14	72816	• Relay, DC Power	1
15	73784	• Connector, Conduct	1
16	10523	• Relief, Strain	1
17	10528	• Nut, Lock	7
18	10522	• Relief, Strain	6
19	72010	• Tube, Flex 7.5 FT	1
20	74597	• Plug, Valve Coil	4
21	75759	• End, Cord Connector Female	1
22	73748	• Bumper	4
23	72821	• Rail, Allen Bradley 0.66 FT	1
24	75654	• End, Barrier	2
25	72820	• Terminal, Allen Bradley	18
26	72824	• Jumper, Allen Bradley	7

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**ON/OFF 100 FOOT  
REMOTE CONTROL ASSEMBLY**



REVISION:





**ON/OFF 100 FOOT  
REMOTE CONTROL ASSEMBLY**

**PARTS  
GROUP 50  
FIGURE 03  
PAGE 02**

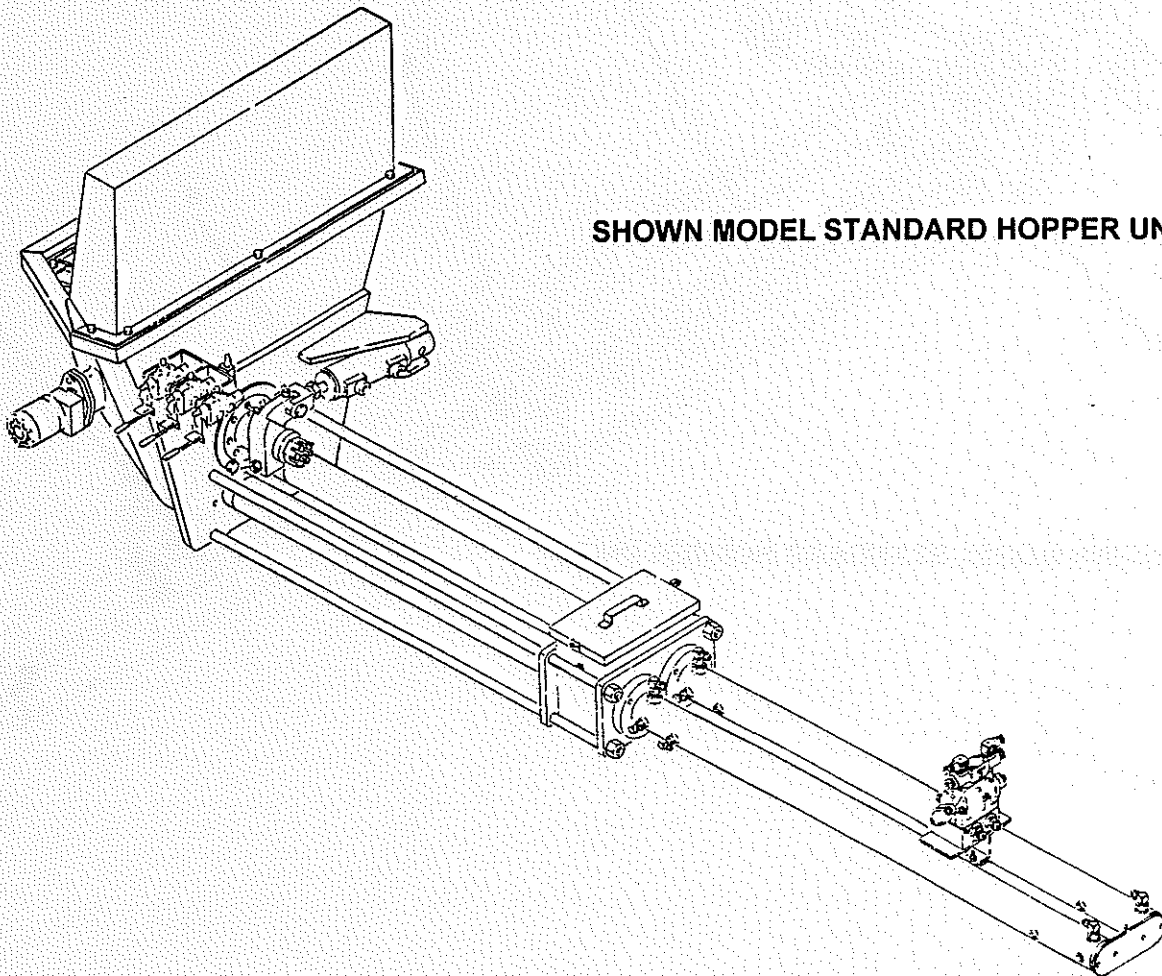
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	74333	Assembly, ON/OFF 100 Foot Remote Control (See Group 50, Figure 01 for NHA)					Ref
2	72005	• Housing, Remote Control					1
3	72011	• Switch, ON/OFF Push Button					1
4	10522	• Relief, Strain					1
5	72006	• Cord, 100 Foot Extension (Orange)					1
6	75758	• Connector, Male End Cord					1

DASH (-) ITEM NOT ILLUSTRATED

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**REED** TRAILER MOUNTED CONCRETE PUMP MODEL **B30 HO** 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** HYDRAULIC DRIVE CYLINDER SUB-ASSEMBLY
- FIGURE 08** MAIN VALVE ASSEMBLY
- FIGURE 09** DIRECTIONAL CONTROL VALVE SUB-ASSEMBLY
- FIGURE 10** SOLENOID VALVE SUB-ASSEMBLY

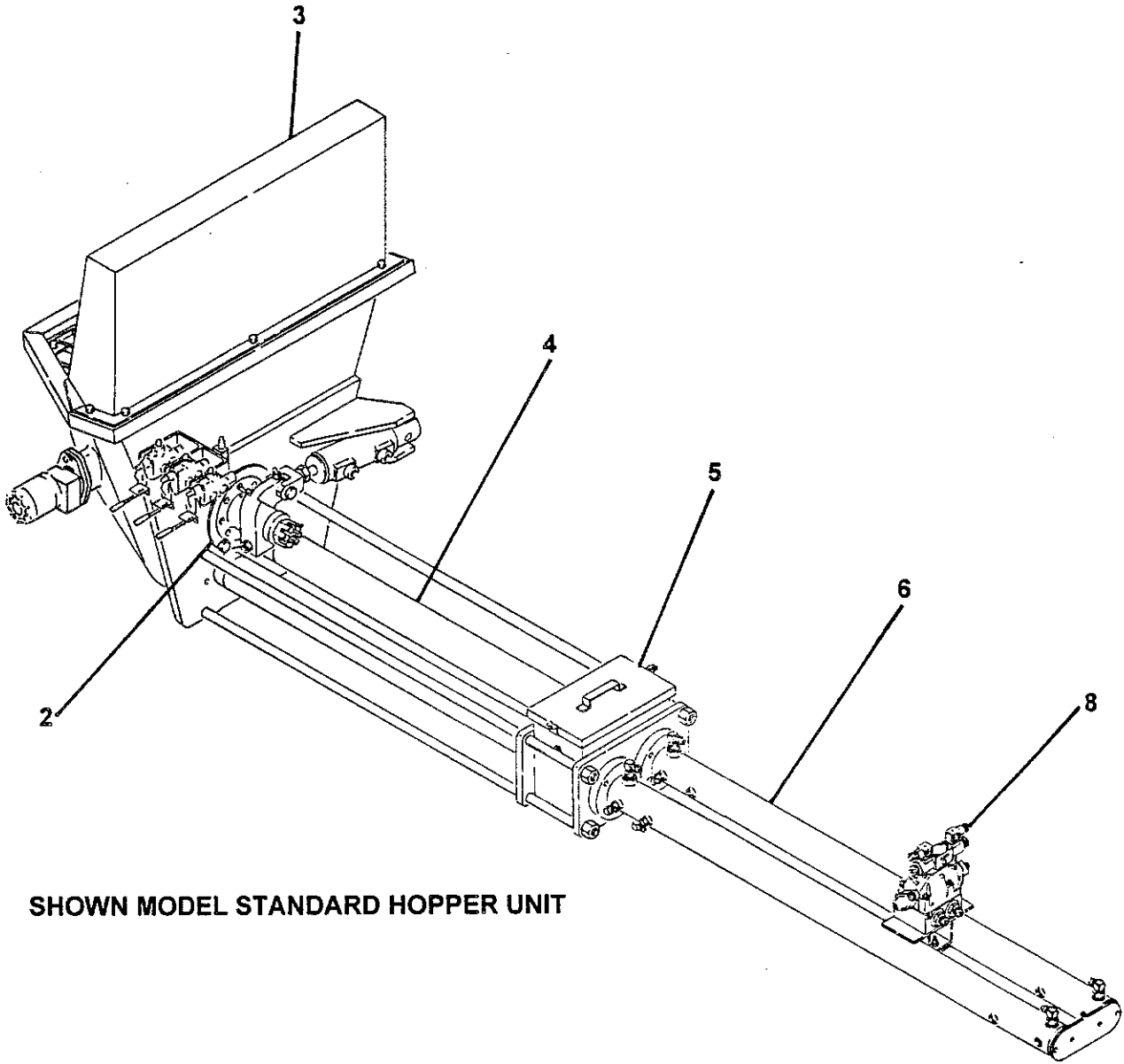


**REED**

CONCRETE PLACING  
EQUIPMENT

**PUMPING TRAIN INSTALLATION**

**PARTS  
GROUP 60  
FIGURE 01  
PAGE 01**



**SHOWN MODEL STANDARD HOPPER UNIT**

REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**PUMPING TRAIN INSTALLATION****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 02 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	60-04	• 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	60-06	• Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 06 for DET)					1
-7	72862	• Gage, Proximity Switch (See Group 50, Figure 02 for REF)					1
8	79537	• Assembly, Main Valve (See Group 60, Figure 08 for DET)					1

DASH (-) ITEM NOT ILLUSTRATED

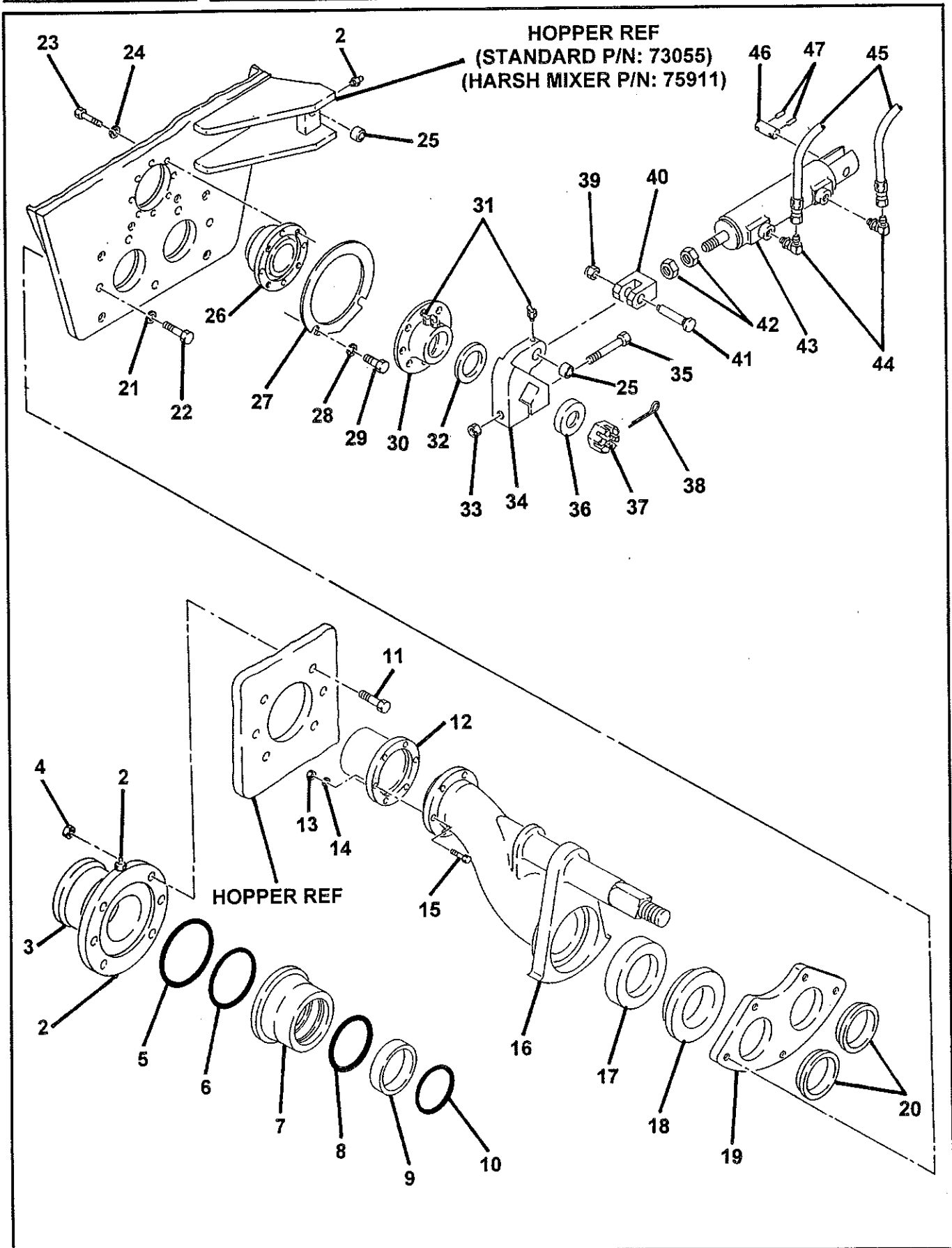
REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

# SWING VALVE ASSEMBLY

**PARTS**  
GROUP 60  
FIGURE 02  
PAGE 01



REVISION:

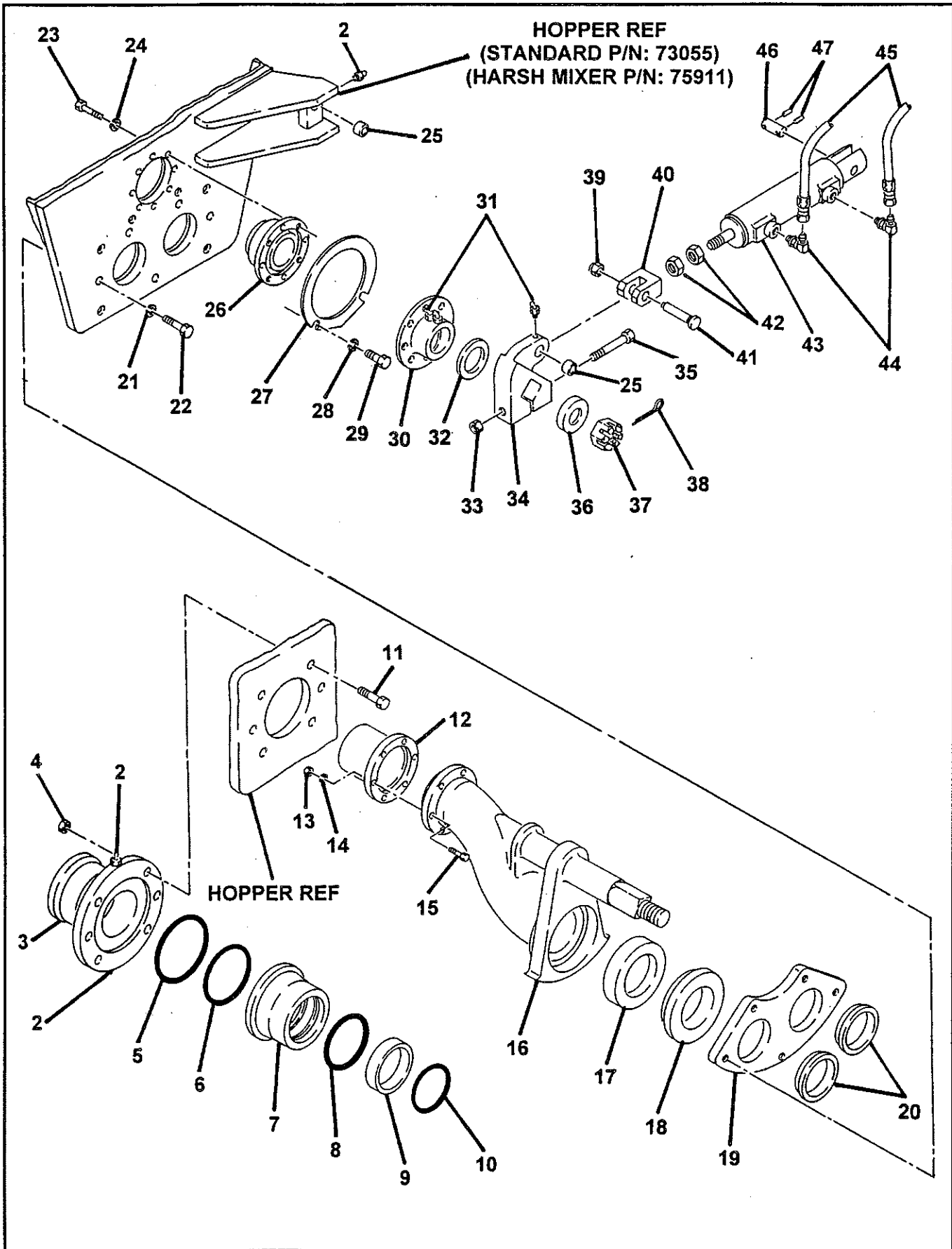
**REED**CONCRETE PLACING  
EQUIPMENT**SWING VALVE ASSEMBLY****PARTS  
GROUP 60  
FIGURE 02  
PAGE 02**

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		• Fitting, Grease STR					3
3	72482	• Outlet, Machine 5"					1
4		• Nut, 1/2					6
5	77761	• O-Ring, Large					1
6	77762	• O-Ring, Small					1
7	77760	• Housing, Outlet Seal					1
8	77765	• Seal, Outlet Thick					1
9	77763	• Band, Guide					1
10	77764	• Seal, Outlet Thin					1
11		• Bolt, Hex					6
12		• Nut, Nylock					6
13		• Washer, Lock					6
14	70042	• Outlet, Chromed					1
15		• Bolt, Hex					6
16	73190	• Weldment, Swing Tube					1
17	72311	• Ring, Thrust					1
18	72310	• Ring, Cutting					1
19	77852	• Plate, Wear					1
20	70047	• Ring, Anti Chip					2
21		• Washer, Lock					5
22		• Bolt, Hex 3/4 x 1 3/4					5
23		• Bolt, Hex 9/16 x 2 3/4					4
24		• Washer, Lock					4
25	71011	• Race, Inner					2
26	73564	• Seal Flange Bearing					1
27	71384	• Ring, Locator					1
28		• Washer, Lock					2
29		• Bolt, Hex 3/4 x 2					2
30	70124	• Bearing, Flange					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

## SWING VALVE ASSEMBLY







# SWING VALVE ASSEMBLY

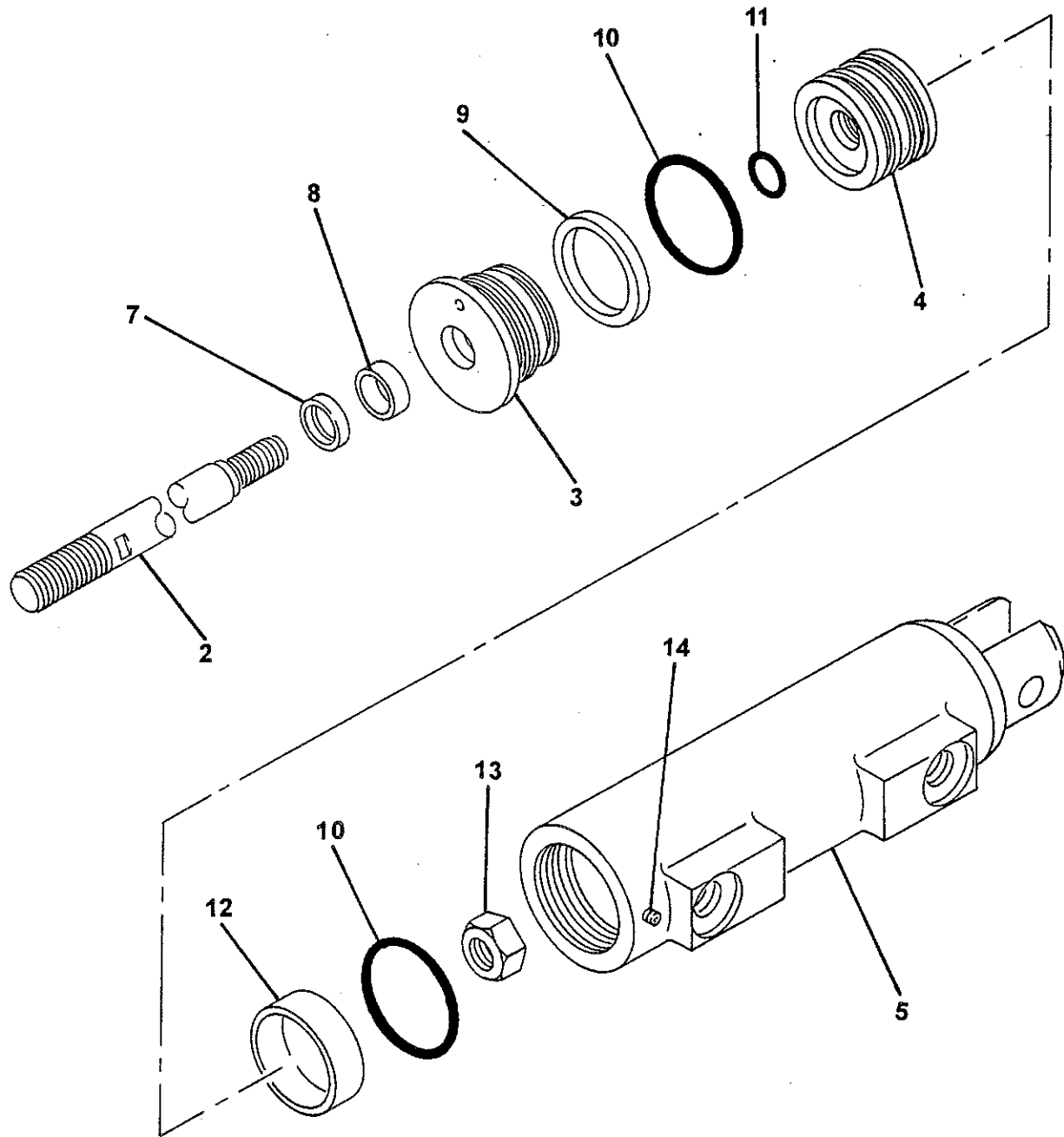
PARTS  
GROUP 60  
FIGURE 02  
PAGE 04

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
31		• Fitting, Grease 45	3
32	70141	• Washer, Thrust	1
33		• Nut, 5/8	1
34	70127	• Crank, Bell	1
35		• Bolt, Hex 5/8 x 5 3/4	4
36	70125	• Spacer, Nut	1
37	70825	• Nut, Castle 1 1/2	1
38		• Pin, Safety	1
39	<i>NPN</i>	• Nut, 3/4 - 10 <i>N/LOCK</i>	1
40	70143	• Clevis	1
41	70142	• Pin, Clevis	1
42	<i>NPN</i>	• Nut, Hex <i>1" - 14</i>	2
43	71487	• Sub-Assembly, Swing Ram Cylinder (See Group 60, Figure 03 for DET)	1
44		• Fitting, 90 <i>ORIGINALLY USED MB-M590-8-10</i>	2
45		• Assembly, Hose (See SCHEMATIC Section for REF)	1
46	<i>74207</i>	• Pin, Cylinder	1
47		• Pin, Roller ( <i>COTTER PINS</i> )	2

DASH (-) ITEM NOT ILLUSTRATED

*SHIP WITH ITEM # 46*

**SWING RAM CYLINDER  
SUB-ASSEMBLY**





# SWING RAM CYLINDER SUB-ASSEMBLY

**PARTS  
GROUP 60  
FIGURE 03  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	75087	Sub-Assembly, Swing Ram Cylinder (See Group 60, Figure 03 for NHA)	Ref
2		• Rod, Cylinder	1
3		• Retainer, Seal	1
4		• Piston	1
5		• Weldment, Cylinder Barrel	1
-6		• Kit, Seal	1
7		• • Wiper, Rod	1
8		• • Seal, Rod	1
9		• • Seal, Static	1
10		• • Seal, Piston	2
11		• • Seal, Static	1
12		• • Ring, Wear	1
13		• • Nut, Piston	1
14		• • Screw, Allen Head	1

DASH (-) ITEM NOT ILLUSTRATED

**REED**

CONCRETE PLACING  
EQUIPMENT

**CONCRETE CYLINDER ASSEMBLY**

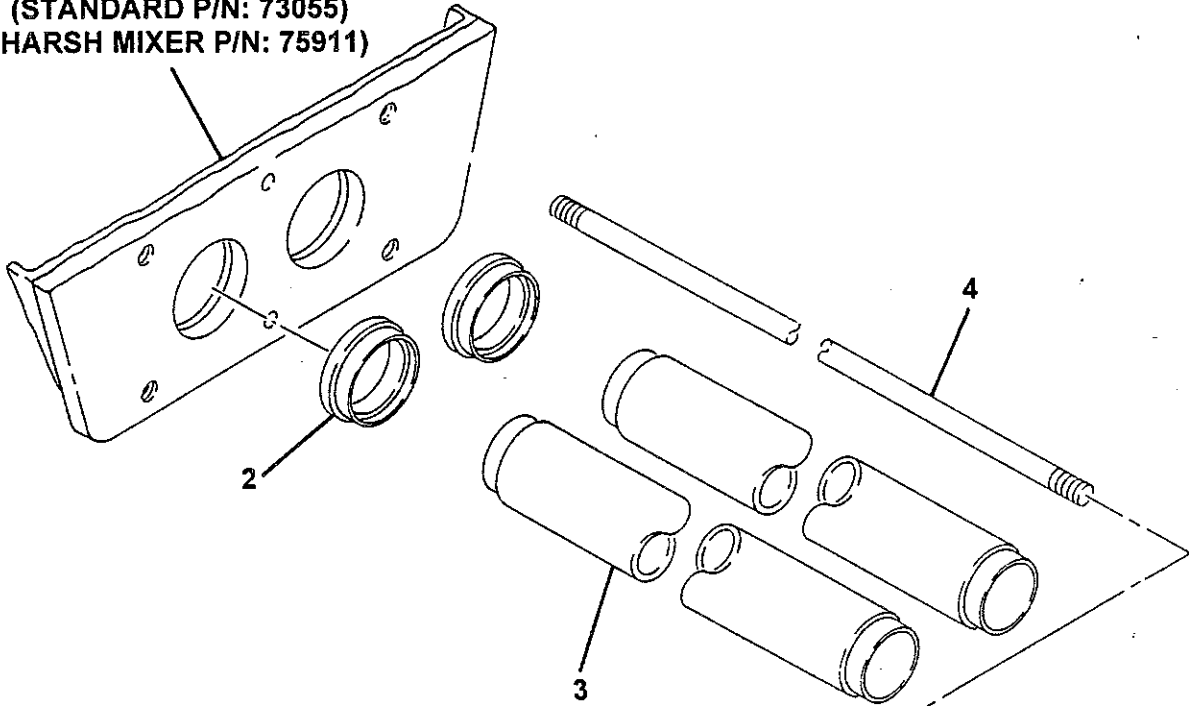
**PARTS**

GROUP 60

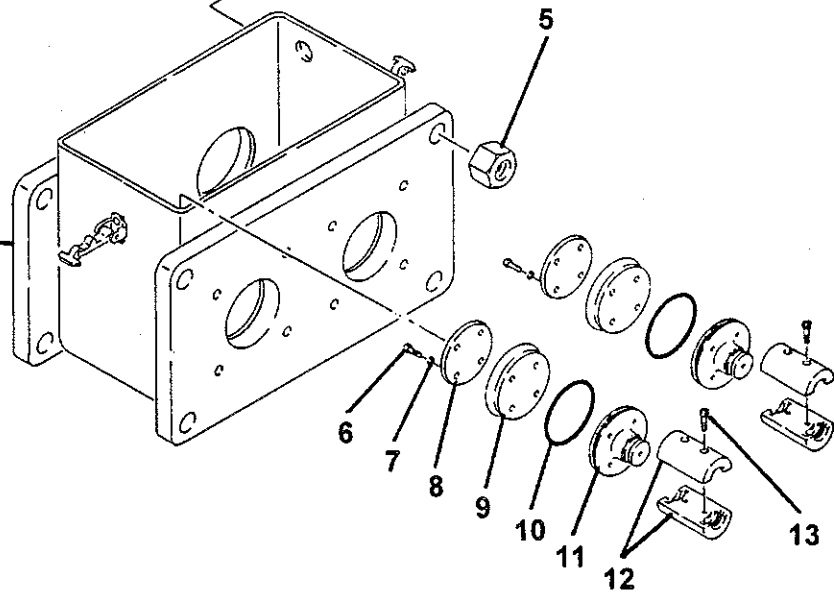
FIGURE 04

PAGE 01

HOPPER REF  
(STANDARD P/N: 73055)  
(HARSH MIXER P/N: 75911)



FLUSHBOX REF  
(P/N: 73498)





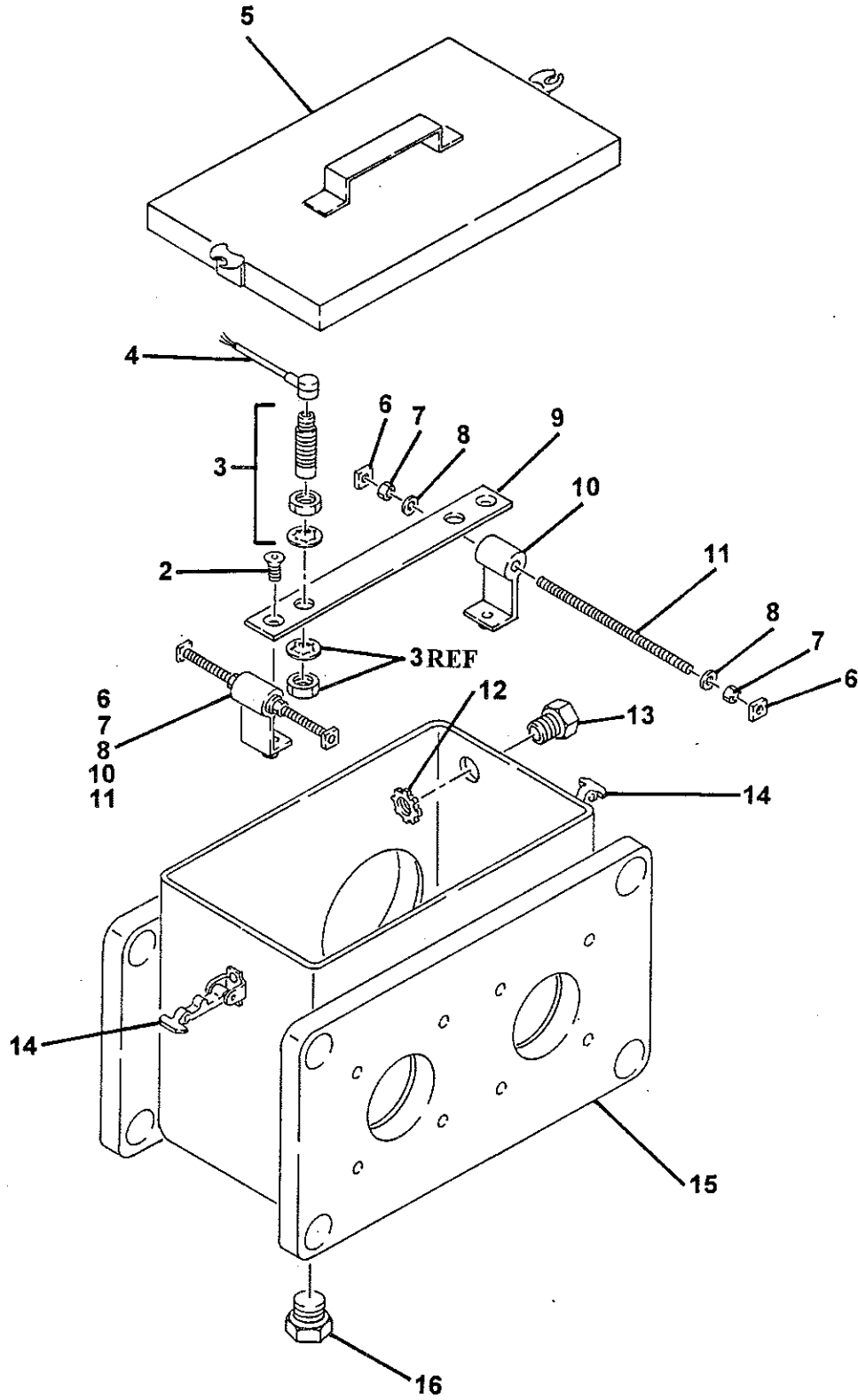
# CONCRETE CYLINDER ASSEMBLY

**PARTS**  
**GROUP 60**  
**FIGURE 04**  
**PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-04	Assembly, Concrete Cylinder (See Group 60, Figure 01 for NHA)	Ref
2	70318	• Adapter, Concrete Cylinder	2
3	73497	• Cylinder, Concrete	2
4	75882	• Rod, Tie	4
5		• Nut	4
6		• Bolt, 3/8 - 20 x 1 1/2	8
7		• Washer, Lock	8
8	70057	• Plate, Piston	2
9	70048	• Cup, Piston	2
10	74001	• O-Ring	2
11	70076	• Adapter, Concrete Piston	2
12	77896	• Coupling, Piston	2
13		• Screw, Cap	4

DASH (-) ITEM NOT ILLUSTRATED

# FLUSHBOX ASSEMBLY





# FLUSHBOX ASSEMBLY

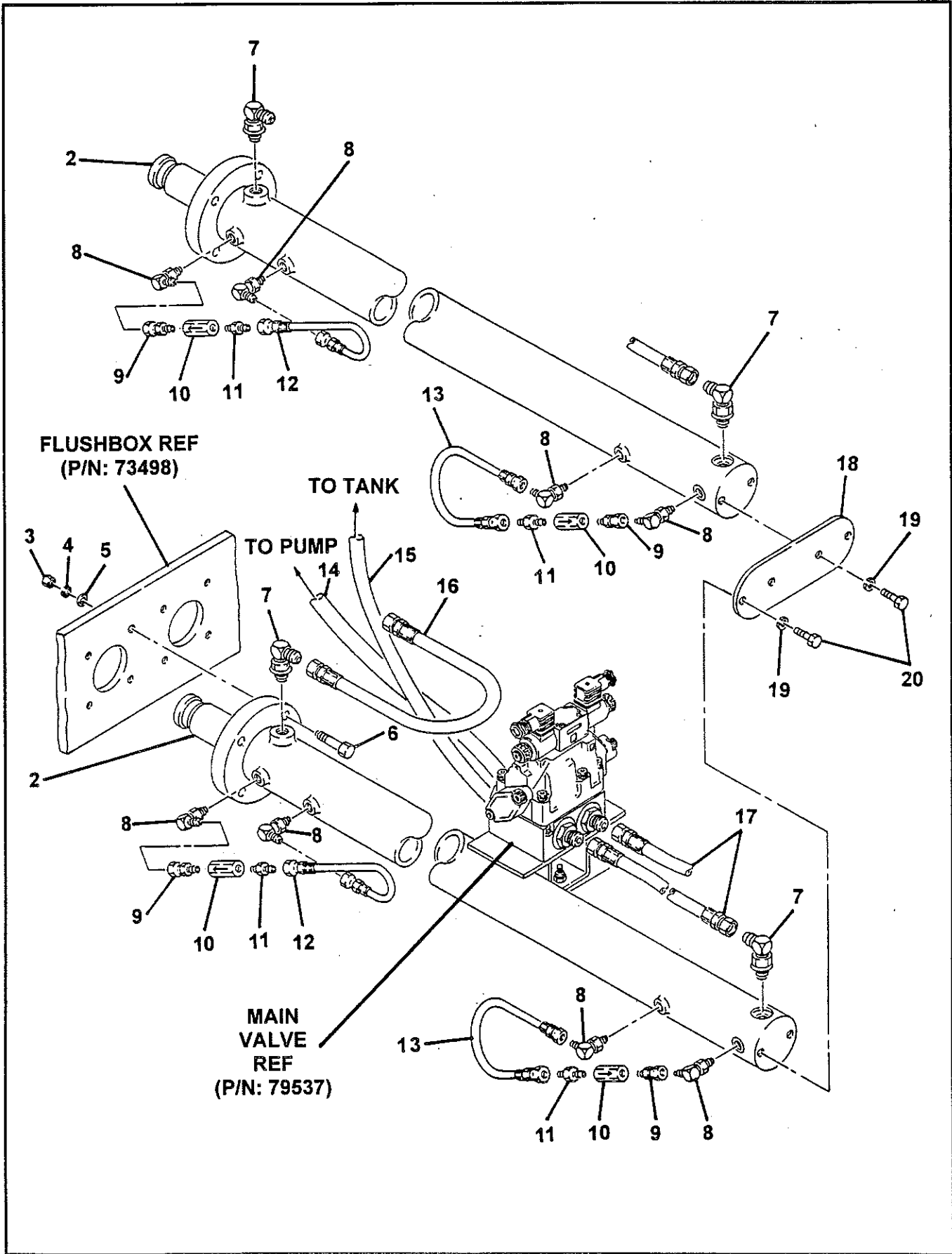
**PARTS**  
**GROUP 60**  
**FIGURE 05**  
**PAGE 02**

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		• Screw	2
3	77998	• Sensor, Proximity Switch	2
4	77990	• Cable, Proximity Switch	2
5	70336	• Top, Flushbox	1
6		• Nut, Rect	4
7		• Nut	4
8		• Washer, Lock	4
9	72941	• Bracket, Mounting	1
10	72940	• Angle, Mounting	2
11	72806	• Rod, Threaded	2
12	10528	• Nut	1
13	73783	• Conduit, Fitting	1
14	13002	• Fastener, Cover	2
15	73498	• Weldment, Flush Box	1
16	10282	• Plug, Drain	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**HYDRAULIC DRIVE  
 CYLINDER ASSEMBLY**







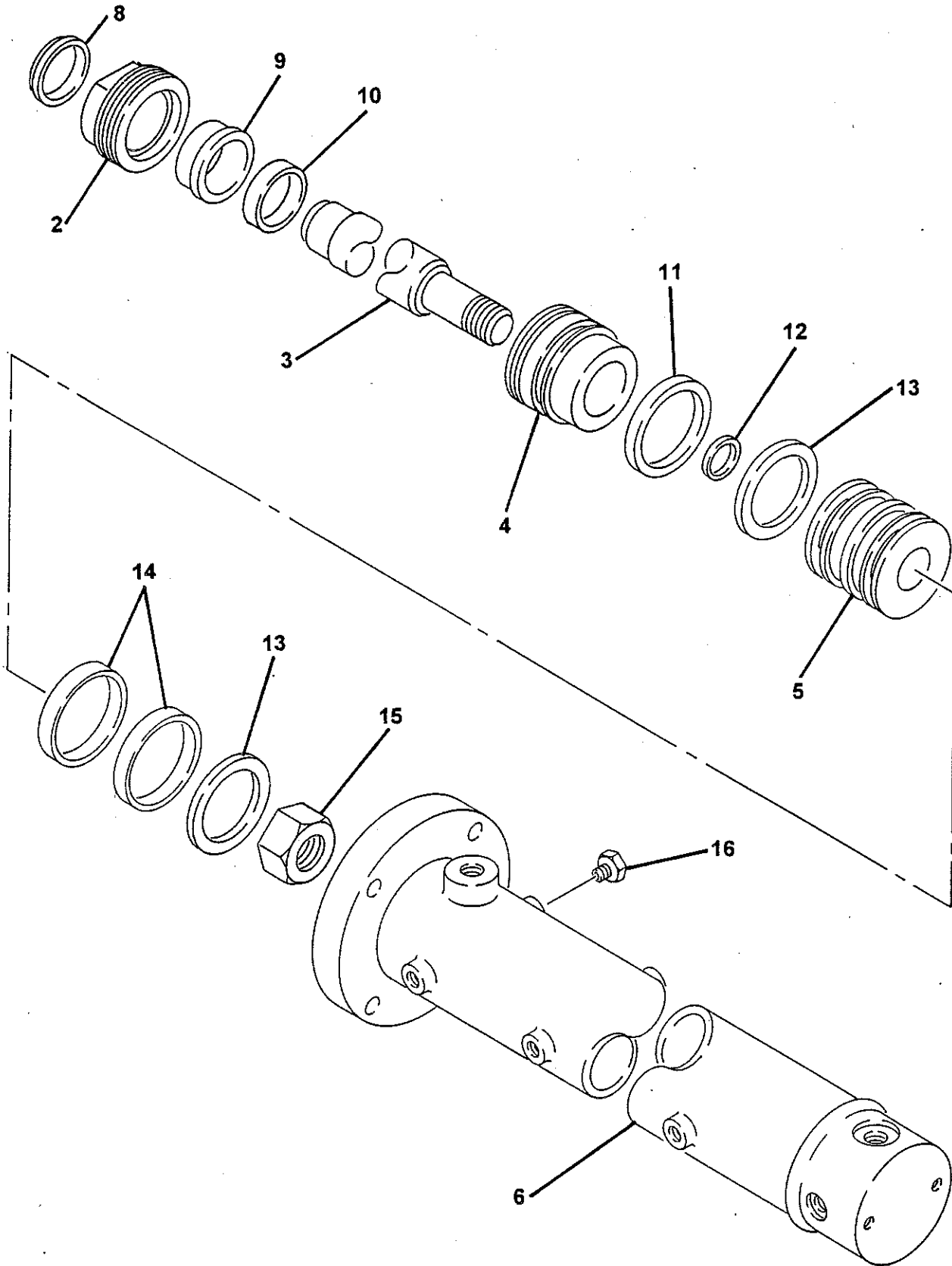
# HYDRAULIC DRIVE CYLINDER ASSEMBLY

**PARTS**  
GROUP 60  
FIGURE 06  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-06	Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 01 for NHA)	Ref
2	79510	• Sub-Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 07 for DET)	1
3		• Nut, Hex (attaching parts)	8
4		• Washer, Lock (attaching parts)	8
5		• Washer, Flat (attaching parts)	8
6		• Bolt (attaching parts)	8
7		• Fitting, 90	4
8		• Fitting, 90	8
9		• Fitting, STR	4
10	74587	• Valve, Check	4
11		• Fitting, STR	4
12	74615	• Assembly, Hose	2
13	79469	• Assembly, Hose	2
14	79460	• Assembly, Hose	1
15	79462	• Assembly, Hose	1
16	77908	• Assembly, Hose	1
17	79461	• Assembly, Hose	2
18	79561	• Plate, End	1
19		• Washer, Lock (attaching parts)	4
20		• Bolt, Hex (attaching parts)	4

DASH (-) ITEM NOT ILLUSTRATED

**HYDRAULIC DRIVE  
CYLINDER SUB-ASSEMBLY**



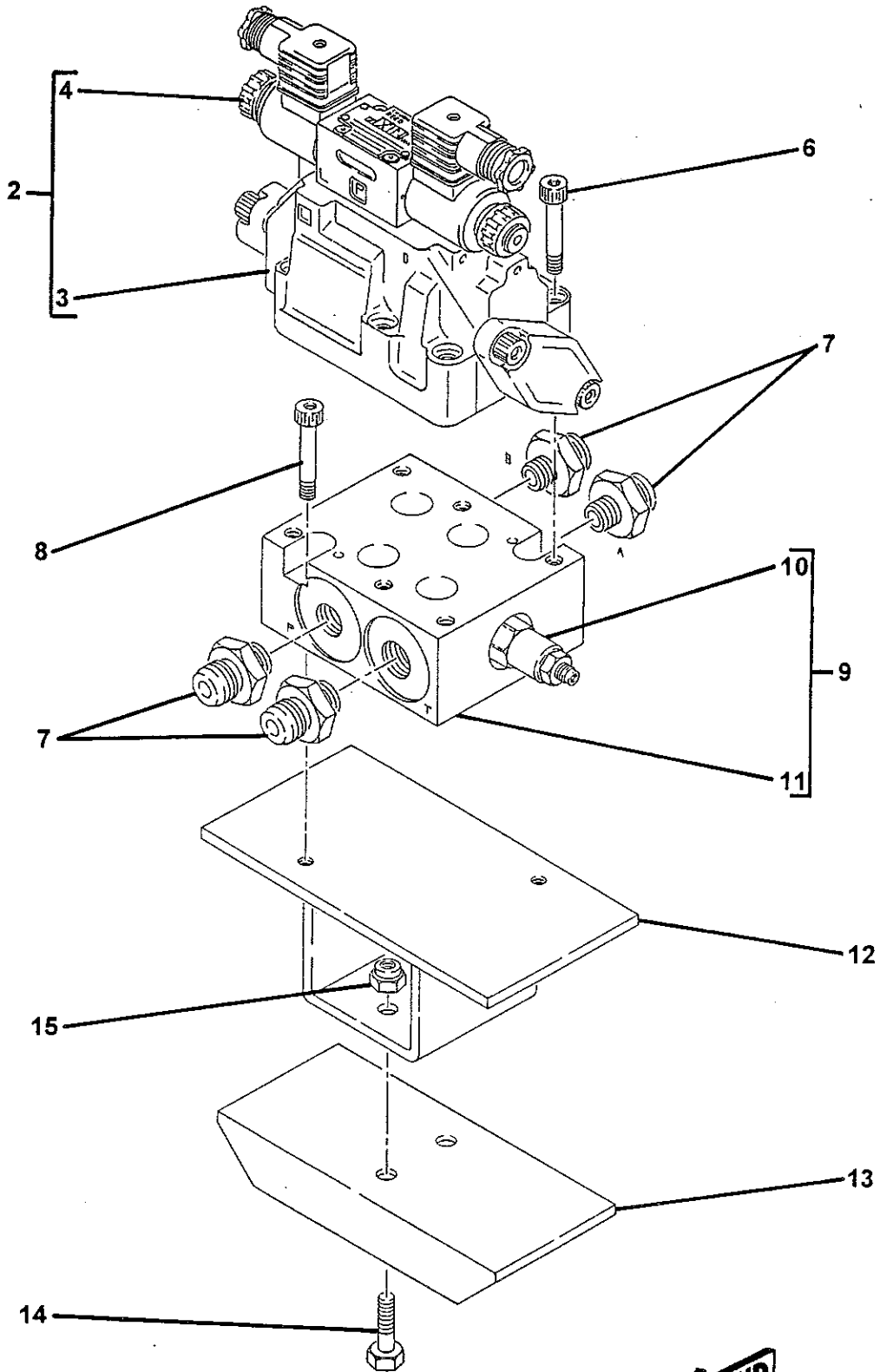
**REED**CONCRETE PLACING  
EQUIPMENT**HYDRAULIC DRIVE  
CYLINDER SUB-ASSEMBLY****PARTS  
GROUP 60  
FIGURE 07  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	79510	Sub-Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 06 for NHA)	Ref
2		• Nut, Retaining	1
3		• Rod, Cylinder	1
4		• Retainer	1
5		• Piston	1
6		• Weldment, Cylinder Barrel	1
-7	71139	• Kit, Seal	1
8		• • Wiper, Rod	1
9		• • Bearing, Rod	1
10		• • Ring, Wear	1
11		• • Seal, Static	1
12		• • Seal, Static	1
13		• • Seal, Piston	2
14		• • Ring, Wear	2
15		• • Nut, Piston	1
16		• Plug	4

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

# MAIN VALVE ASSEMBLY



**REED**CONCRETE PLACING  
EQUIPMENT**SOLENOID VALVE SUB-ASSEMBLY****PARTS  
GROUP 60  
FIGURE 10  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	74938	Sub-Assembly, Solenoid Valve (See Group 60, Figure 08 for NHA)					Ref
2		• Cap, Coil					2
3		• O-Ring					2
4	85692	• Coil, Solenoid					2
5	74597	• Connector, Plug					2
6		• Amature					2
7		• Spring					2
8		• Plate, Spring					2
9		• Spool					1
10		• Screw, SOC					4
11		• Housing, Solenoid Valve					1
12		• O-ring					4

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



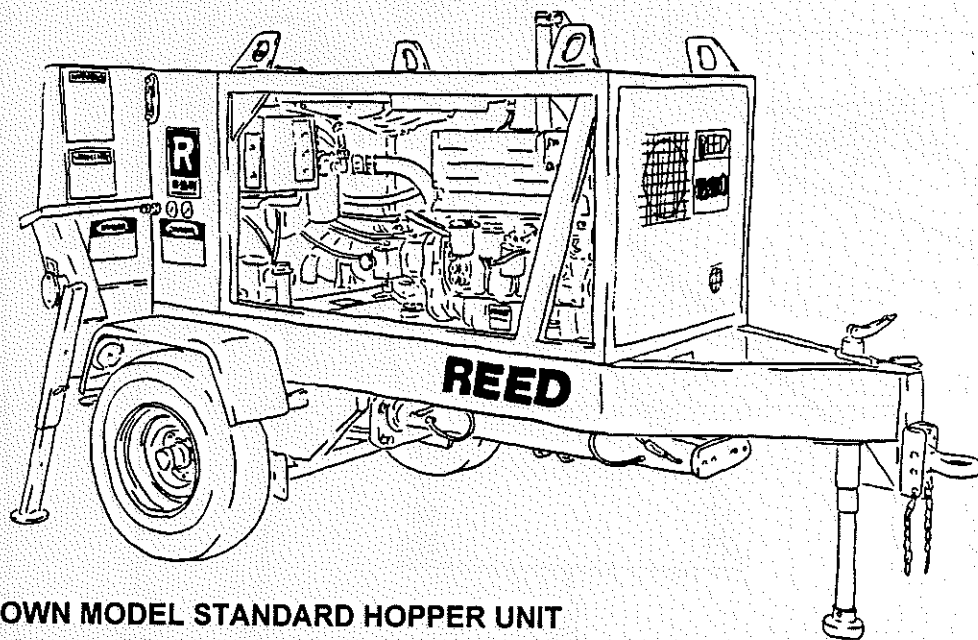
**TRAILER MOUNTED PUMP *B30 HO*  
ILLUSTRATED PARTS MANUAL**

**PARTS  
GROUP 60  
FIGURE 11  
PAGE 01**

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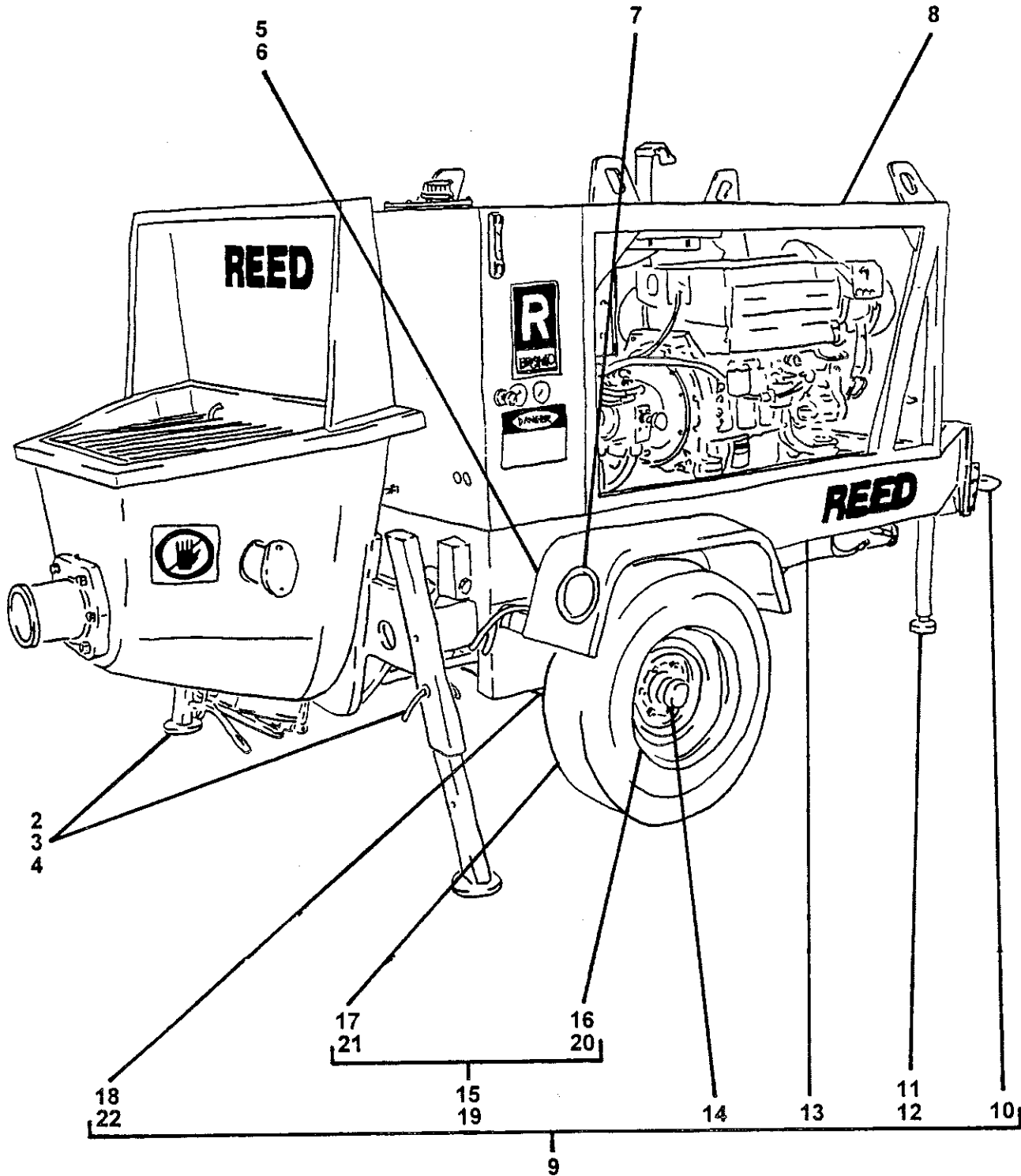
**REED** TRAILER MOUNTED CONCRETE PUMP MODEL **B30 HO** ILLUSTRATED PARTS MANUAL GROUP 70 FRAME INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- 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



**SHOWN MODEL STANDARD HOPPER UNIT**

SHOWN MODEL STANDARD HOPPER UNIT







# FRAME INSTALLATION

**PARTS**  
**GROUP 70**  
**FIGURE 01**  
**PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	70-01	Installation, Frame (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
2	76018	• Outer, Outtigger Tube	2
3	70014	• Weldment, Outrigger Inner	2
4	73859	• Pin, Outrigger Safety	2
5	71325	• Weldment, Left Fender	1
6	71437	• Weldment, Right Fender	1
7	72948	• Light, Tail	2
8	79432	• Weldment, Lifting Structure	1
9	79711	• Assembly, Frame	1
10	71051	• • Lunnet, Eye (See Group 90, Figure 01 for REF)	1
11	70256	• • Weldment, Jack Pad	1
12	71060	• • Jack, Topwind	1
13	72150	• • Weldment, Frame	1
14	70-02	• • Assembly, Hub and Brake (See Group 70, Figure 02 for DET)	1
15	71476	• • Assembly, Wheel and Tire (Optional Item)	2
16	71472	• • • Wheel (Optional Item)	1
17	71473	• • • Tire, 9 – 14.5 (Optional Item)	1
18	71497	• • Axle, 7,000 LBS (Used for 71476 Wheel and Tire Assembly)	1
19	73212	• • Assembly, Wheel and Tire (Optional Item)	2
20	73555	• • • Wheel (Optional Item)	1
21	73554	• • • Tire, 8 – 14.5 (Optional Item)	1
22	71297	• • Axle, 6 Lug (Used for 73212 Wheel and Tire Assembly)	1

DASH (-) ITEM NOT ILLUSTRATED

**REED**

CONCRETE PLACING  
EQUIPMENT

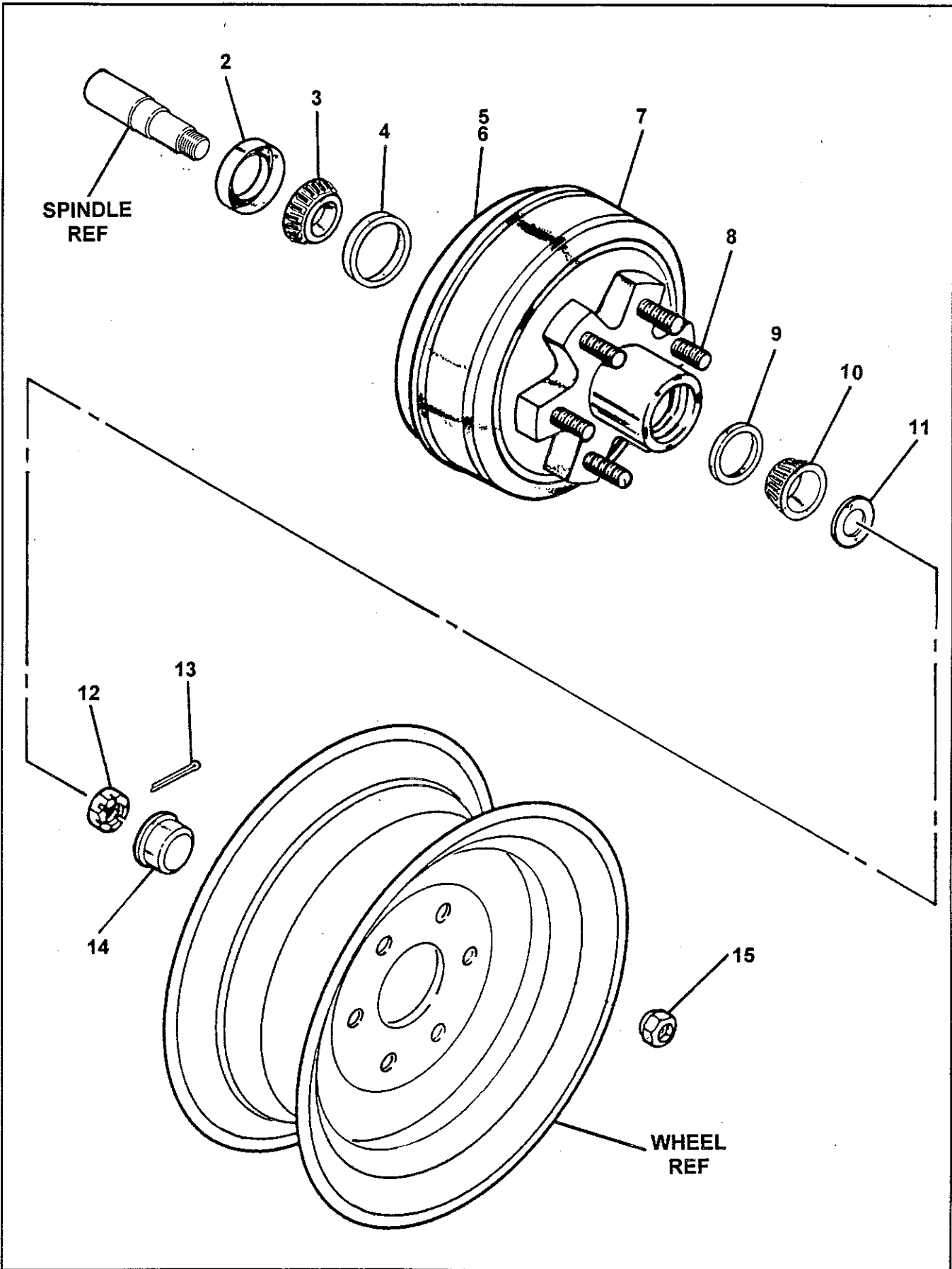
# HUB AND BRAKE ASSEMBLY

**PARTS**

GROUP 70

FIGURE 02

PAGE 01



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**HUB AND BRAKE ASSEMBLY****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 (See Group 70, Figure 01 for NHA)					Ref
2	71095	• Seal, Grease					1
3	71094	• Bearing, Inner					1
4	71092	• Cup, Inner Bearing					1
5	71056-L	• Assembly, Non-Operator Electric Brake (See Group 70, Figure 03 for DET)					1
6	71056-R	• Assembly, Operator Electric Brake (See Group 70, Figure 04 for DET)					1
7	73211	• Assembly, Hub and Drum					2
8		• Bolt, Wheel					6
9	71098	• Cup, Outer Bearing					1
10	71093	• Bearing, Outer					1
11		• Washer, Spindle					1
12		• Nut, Spindle 1 x 1/4					1
13		• Pin, Cotter					1
14	71096	• Cap, Dust					1
15		• Nut, Wheel					6

DASH (-) ITEM NOT ILLUSTRATED

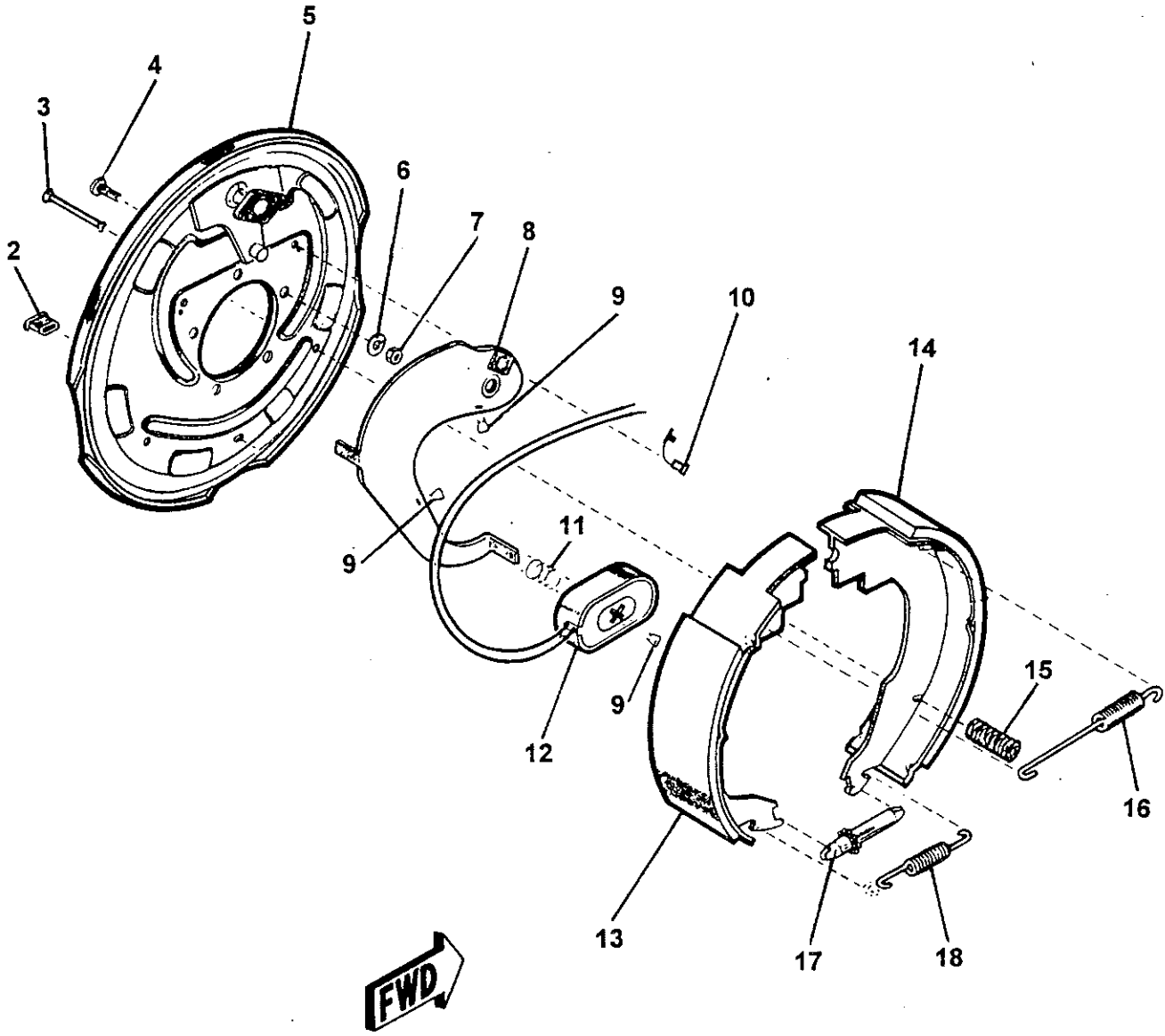
REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

**NON OPERATOR SIDE  
ELECTRIC BRAKE ASSEMBLY**

**PARTS  
GROUP 70  
FIGURE 03  
PAGE 01**



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**NON OPERATOR SIDE  
ELECTRIC BRAKE ASSEMBLY****PARTS  
GROUP 70  
FIGURE 03  
PAGE 02**

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 3/8 x 24					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

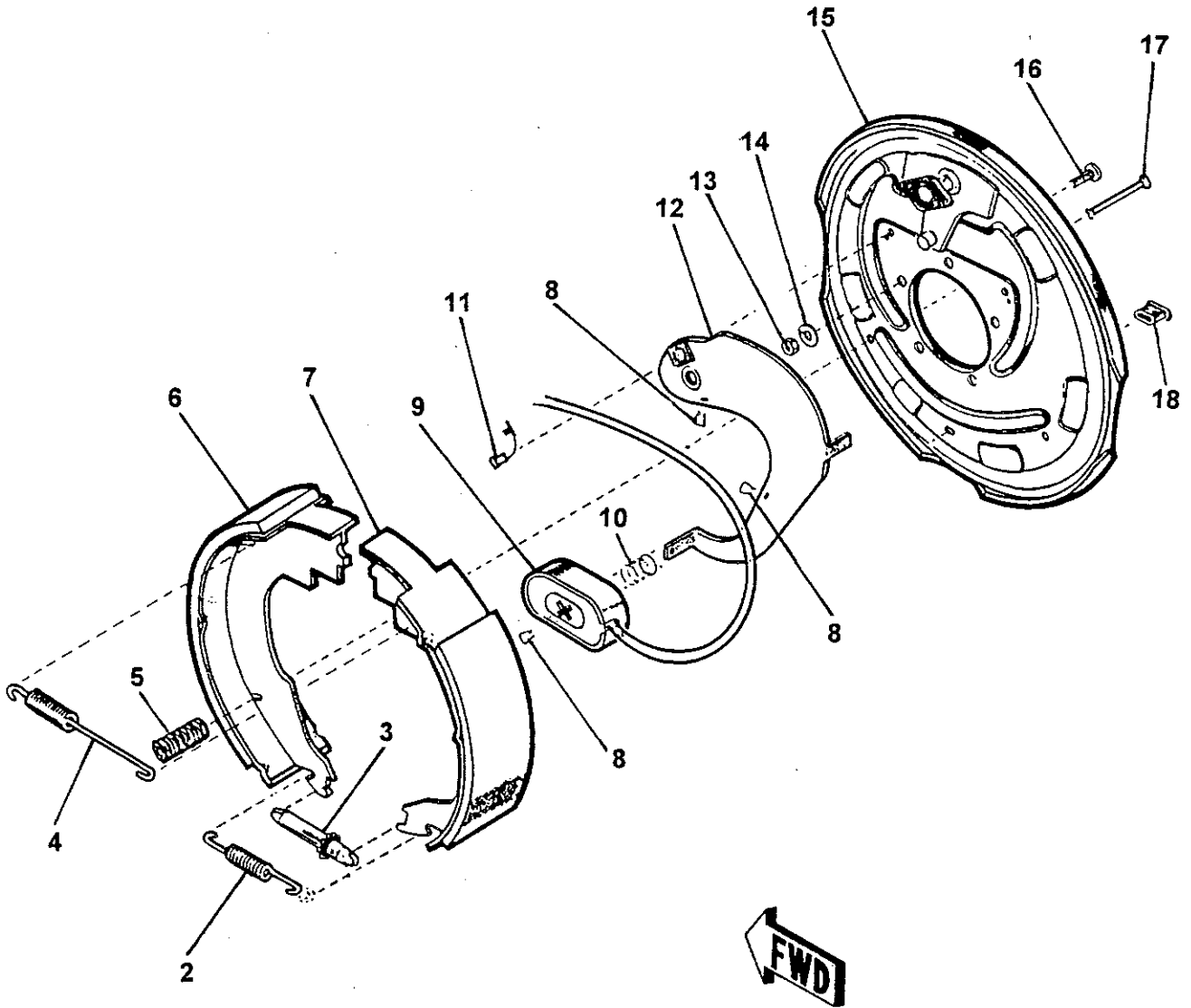
REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

**OPERATOR SIDE  
ELECTRIC BRAKE ASSEMBLY**

**PARTS  
GROUP 70  
FIGURE 04  
PAGE 01**



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**OPERATOR SIDE  
ELECTRIC BRAKE ASSEMBLY****PARTS  
GROUP 70  
FIGURE 04  
PAGE 02**

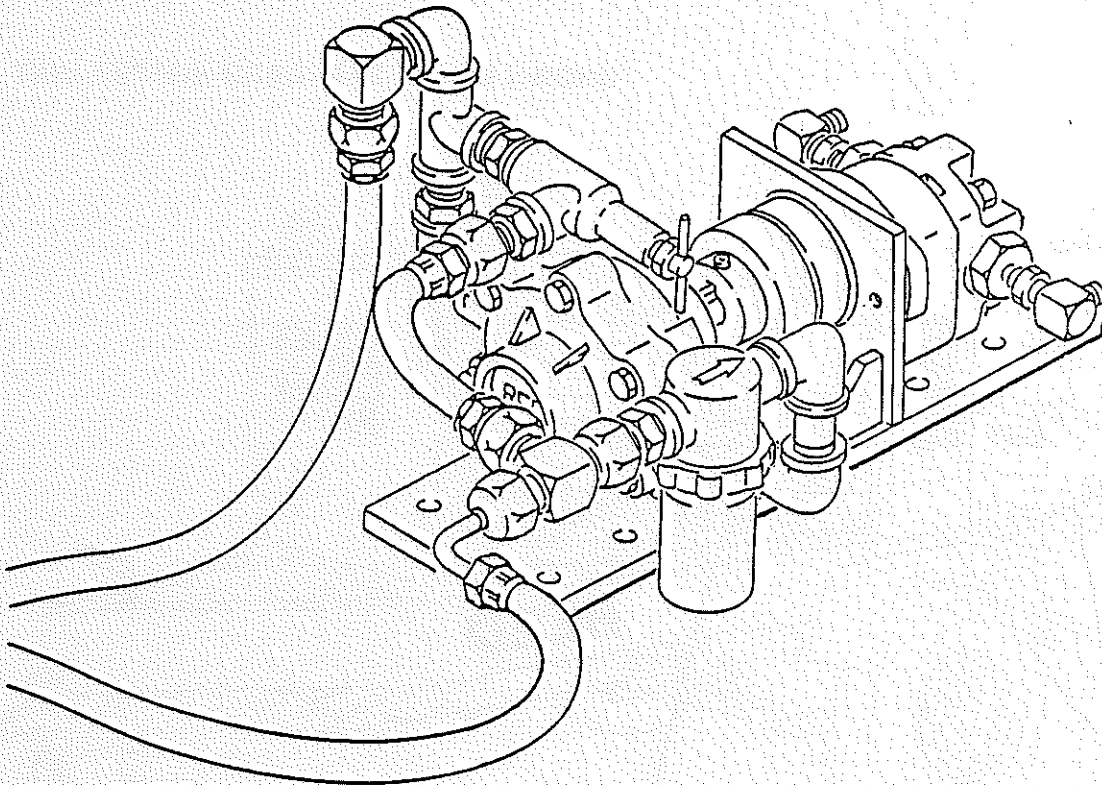
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	71056-R	Assembly, Operator Side Electric Brake (See Group 70, Figure 02 for NHA)					Ref
2		• Spring, Adjuster Screw					1
3		• Sub-Assembly, Adjuster Screw					1
4		• Spring, Shoe Retractor					1
5		• Spring, Shoe Hold down					1
6		• Shoe 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 3/8 x 24					5
17		• Pin, Shoe Hold down					1
18		• Slot, Plug Adjust					1

DASH (-) ITEM NOT ILLUSTRATED

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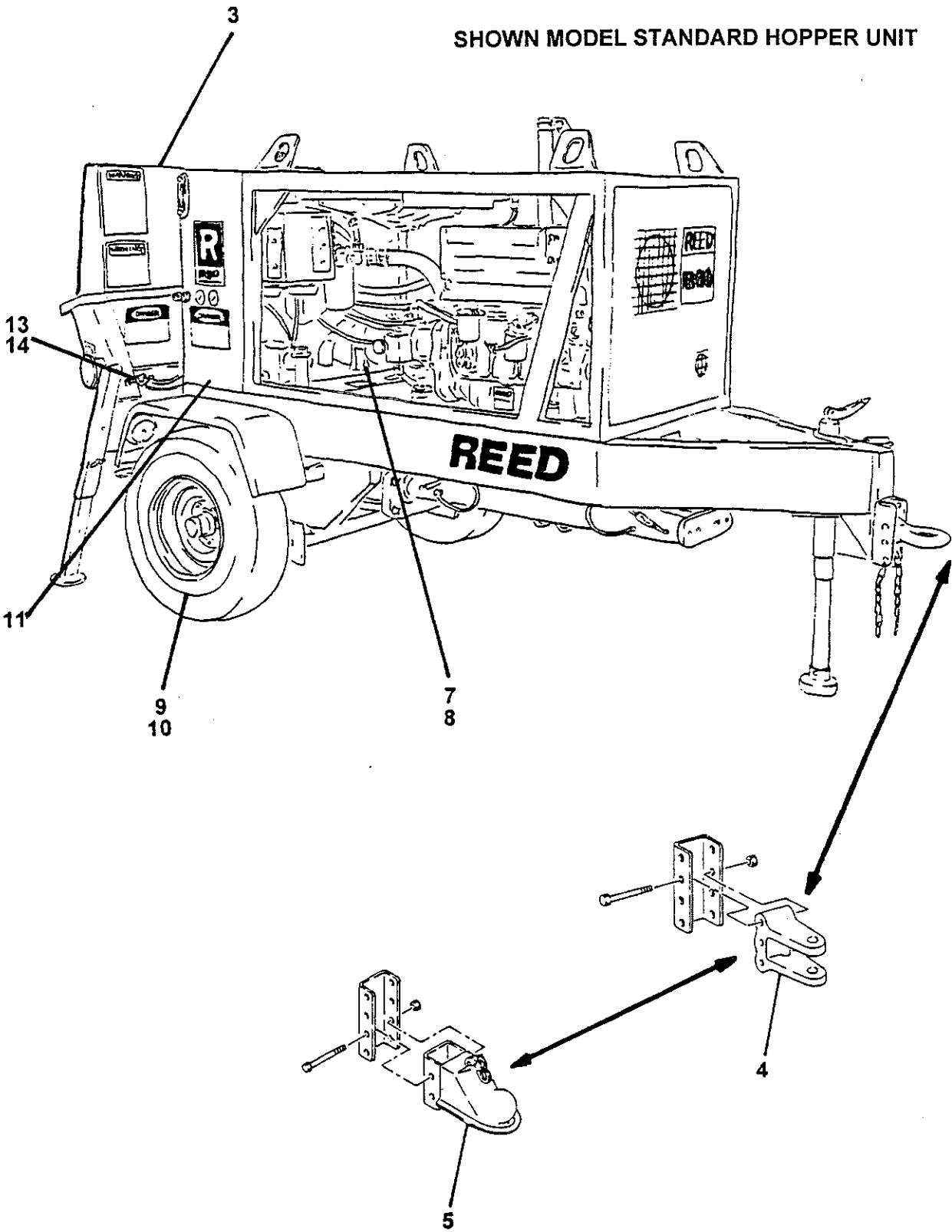


**REED** TRAILER MOUNTED CONCRETE PUMP MODEL **B30 HO** ILLUSTRATED PARTS MANUAL GROUP 80 OPTIONAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

<b>FIGURE 00</b>	TABLE OF CONTENTS
<b>FIGURE 01</b>	OPTIONAL INSTALLATION
<b>FIGURE 02</b>	WASH PUMP ASSEMBLY
<b>FIGURE 03</b>	WASH WATER PUMP ASSEMBLY
<b>FIGURE 04</b>	WASH PUMP MOTOR ASSEMBLY
<b>FIGURE 05</b>	HOPPER VIBRATOR ASSEMBLY
<b>FIGURE 06</b>	ACTUATOR BRAKES ASSEMBLY
<b>FIGURE 07</b>	NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
<b>FIGURE 08</b>	ACCUMULATOR CHARGE KIT
<b>FIGURE 09</b>	BLADDER REPAIR KIT
<b>FIGURE 10</b>	OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
<b>FIGURE 11</b>	12 VOLT LUBE PUMP ASSEMBLY
<b>FIGURE 12</b>	OPTIONAL TOO KIT ASSEMBLY
<b>FIGURE 13</b>	AUGER/WASH CONTROL VALVE ASSEMBLY
<b>FIGURE 14</b>	AUGER/WASH CONTROL VALVE SUB-ASSEMBLY
<b>FIGURE 15</b>	AUXILIARY/AUGER/WASH CONTROL VALVE ASSEMBLY
<b>FIGURE 16</b>	AUXILIARY/AUGER/WASH CONTROL VALVE SUB-ASSEMBLY

# OPTIONAL INSTALLATION

SHOWN MODEL STANDARD HOPPER UNIT



**REED**CONCRETE PLACING  
EQUIPMENT**OPTIONAL INSTALLATION****PARTS**  
**GROUP 80**  
**FIGURE 01**  
**PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-01	Installation, Optional (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
-2	77528	• Assembly Wash Pump (See Group 80, Figure 02 for DET)	1
3	71429	• Assembly, Hopper Vibration (See Group 80, Figure 03 for DET)	1
4	71050	• Assembly, Adjustable 1 Inch Clevis	1
5	71099	• Assembly, Adjustable Ball Coupler 2 5/16"	1
-6	75413	• Assembly, Actuator Brake (See Group 80, Figure 04 for DET)	1
7	71460	• Kit, Accumulator Charge (See Group 80, Figure 07 for DET)	1
8	80-08	• Kit, Bladder Repair (See Group 80, Figure 08 for DET)	1
9	80-09	• Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 09 for DET)	1
10	80-10	• Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 10 for DET)	1
11	80-11	• Assembly, Lube Pump (See Group 80, Figure 11 for DET)	1
-12	79020	• Assembly, Optional Tool Kit (See Group 80, Figure 12 for DET)	1
13	80-13	• Assembly, Auger / Control Wash (Optional Item) (See Group 80, Figure 13 for DET)	1
14	80-15	• Assembly, Auxiliary/ Auger / Wash Control Valve (Optional Item) (See Group 80, Figure 15 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

# REED

CONCRETE PLACING  
EQUIPMENT

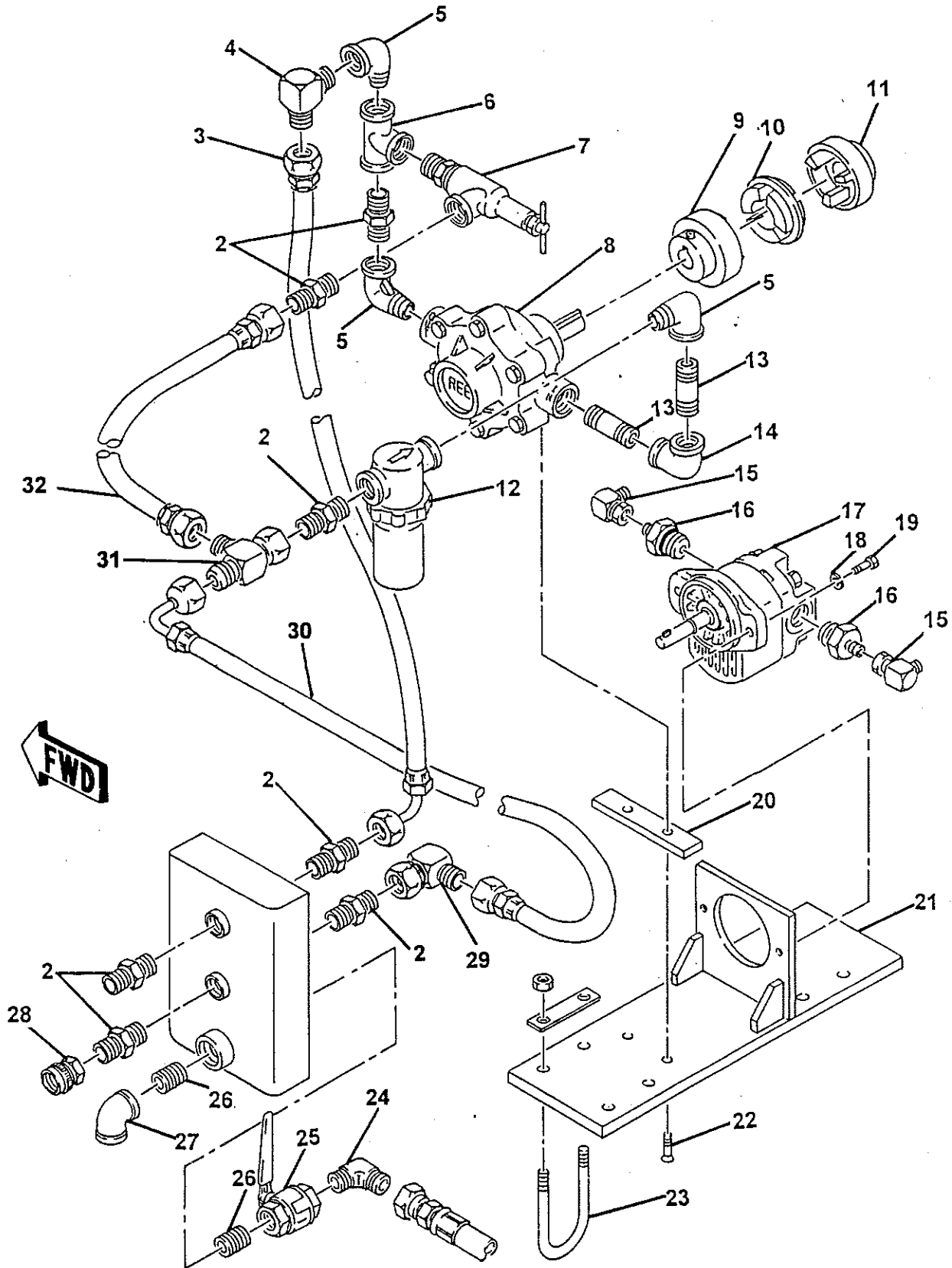
## WASH PUMP ASSEMBLY

PARTS

GROUP 80

FIGURE 02

PAGE 01



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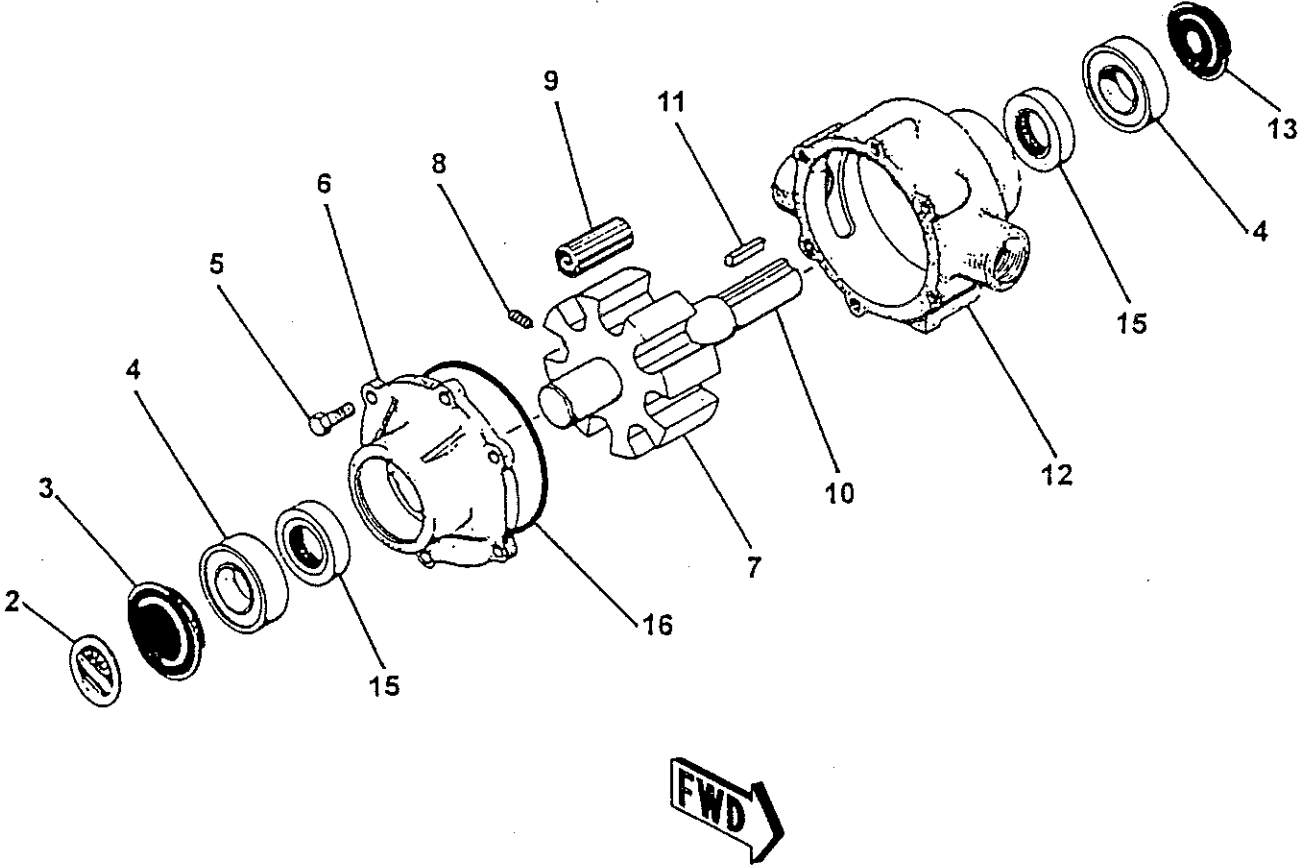
**REED**CONCRETE PLACING  
EQUIPMENT**WASH PUMP ASSEMBLY****PARTS****GROUP 80****FIGURE 02****PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	77528	Assembly, Wash Pump (See Group 80, Figure 01 for NHA)					Ref
2	70842	• Fitting, STR					7
3		• Assembly, Hose					1
4		• Fitting, 90					1
5	56412	• Street, 3/4					3
6	10228	• Tee, 3/4					1
7	78128	• Valve, Relief					1
8	78157	• Assembly Wash Water Pump (See Group 80, Figure '03 for DET)					1
9	78154	• Coupling, Wash Pump					1
10	78155	• Spider					1
11	78153	• Coupling, Wash Motor					1
12	78158	• Strainer					1
13	20144	• Nipple, 3/4 x 3					2
14		• Elbow, 90 3/4					1
15		• Fitting, 90 FS6801-6-6					2
16		• Reducer, MB-FB-10-6					2
17	78152	• Assembly Wash Pump Motor (See Group 80, Figure 04 for DET)					1
18		• Washer (attaching parts)					2
19		• Bolt (attaching parts)					2
20	78772	• Plate, Wash Pump					1
21	78789	• Weldment, Wash Pump					1
22		• Screw, 1 1/2 (attaching parts)					2
23		• U-Bolt, 1/4 x 20					4
24		• Fitting, 90					1
25	13186	• Valve, Ball					1
26		• Nipple					2
27		• Elbow, 90					1
28	12061	• Connector					1
29		• Fitting, 90					1
30		• Assembly, Hose					1
31		• Tee					1
32		• Assembly, Hose					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**WATER PUMP ASSEMBLY**



**REED**CONCRETE PLACING  
EQUIPMENT**WATER PUMP ASSEMBLY****PARTS  
GROUP 80  
FIGURE 03  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	78157	Assembly, Wash Water Pump (See Group 80, Figure 02 for NHA)					Ref
2		• Plate, Name					1
3		• Cover, Bearing Rear					1
4		• Bearing, Sealed Bowl					2
5		• Endplate, (Ni-Resist) with Seal					1
6		• Bolt, Hex (attaching parts)					6
7		• Rotor, (Ni-Resist) with Shaft					1
8		• Screw, Set (attaching parts)					1
9		• Roller, Teflon					1
10		• Shaft					1
11		• Key					1
12		• Body, (Ni-Resist) with Seal					1
13		• Cover, Bearing Shaft					1
-14		• Kit, Seal					1
15		• • Seal, Buna					2
16		• • Gasket, End Plate O-Ring					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

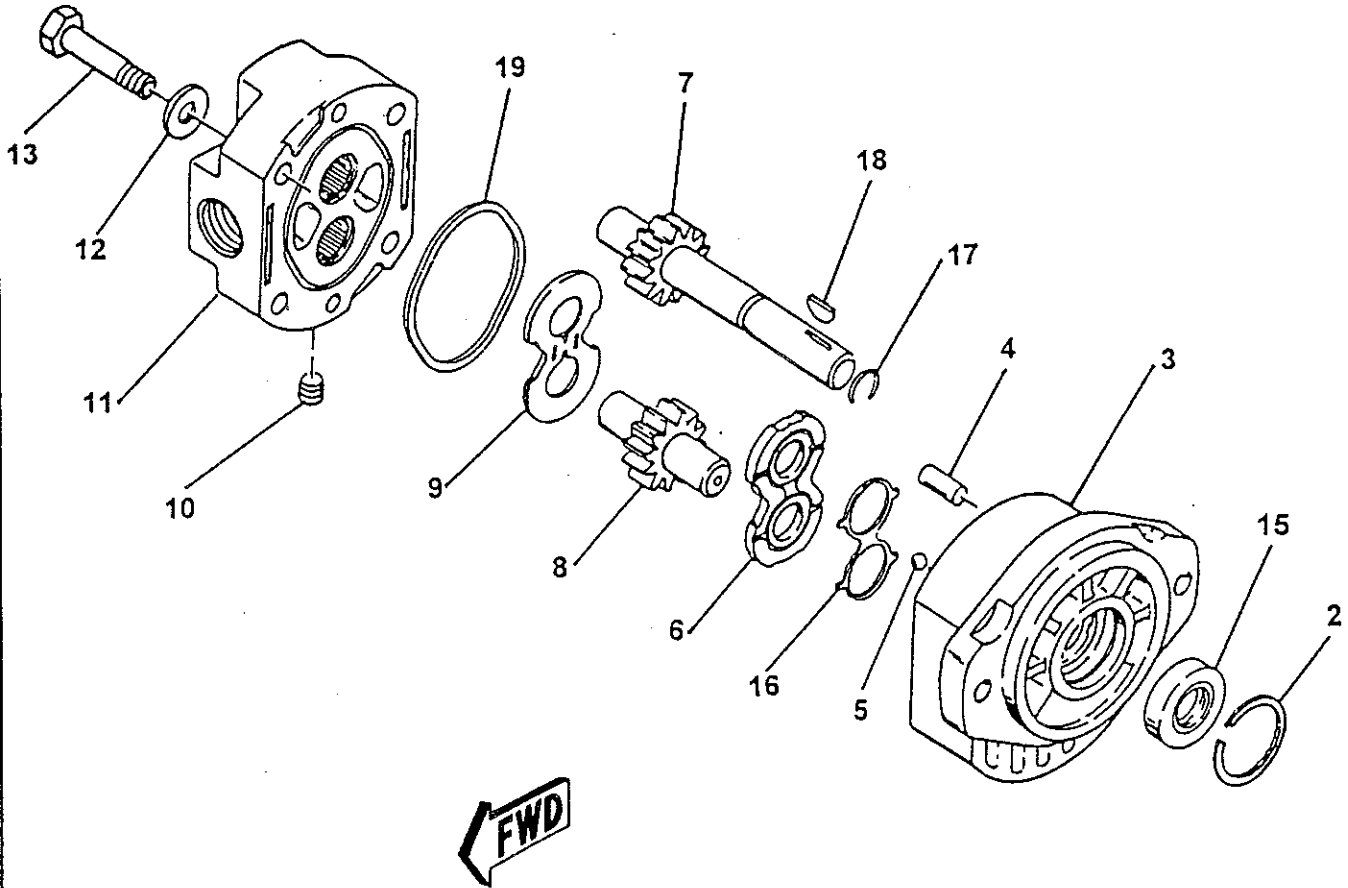
# WASH PUMP MOTOR ASSEMBLY

**PARTS**

GROUP 80

FIGURE 04

PAGE 01



REVISION:



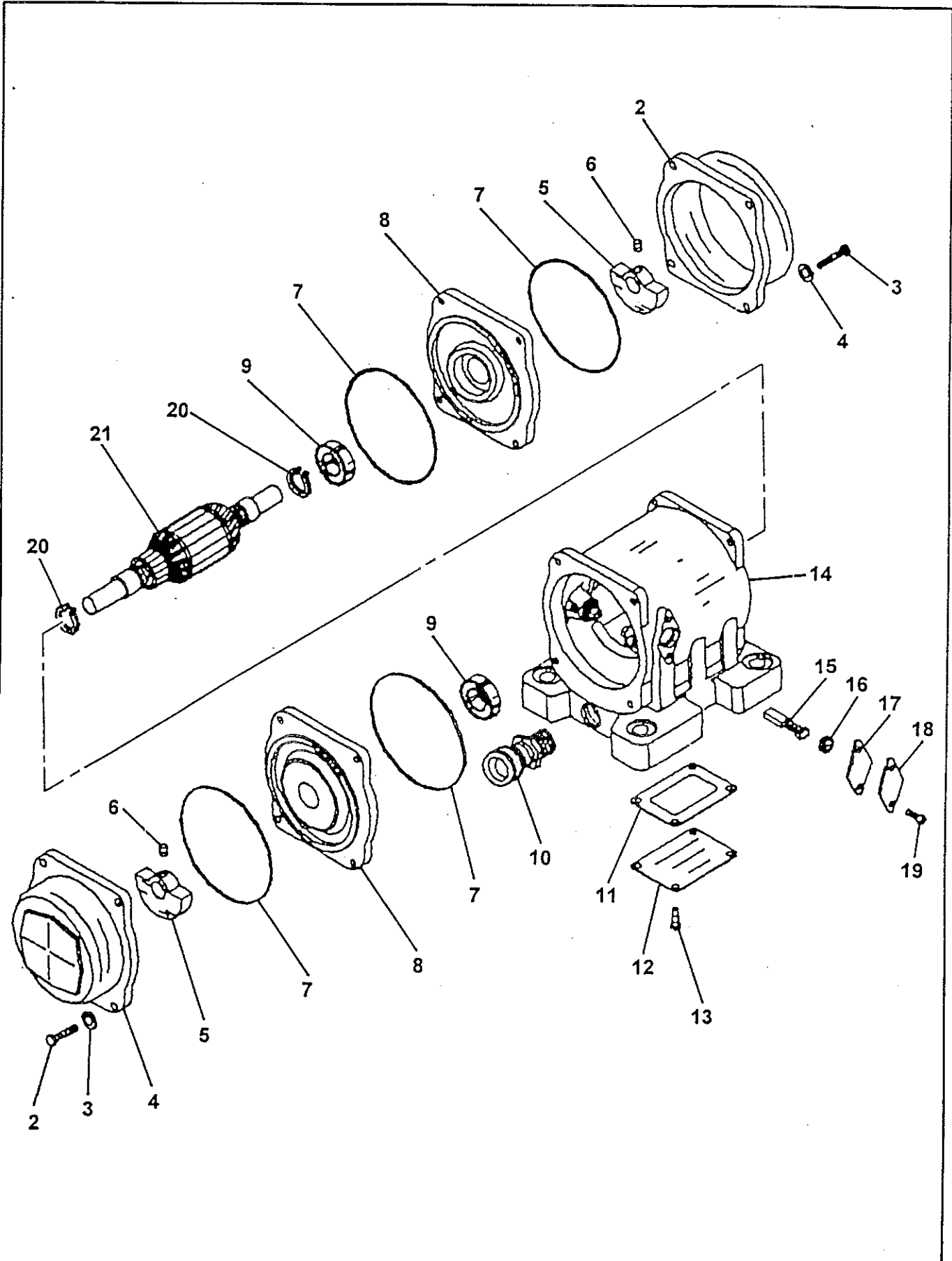
**REED**CONCRETE PLACING  
EQUIPMENT**WASH PUMP MOTOR ASSEMBLY****PARTS**  
GROUP 80  
FIGURE 04  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	78152	Assembly, Wash Pump Motor (See Group 80, Figure 02 for NHA)					Ref
2		• Retainer					1
3		• Assembly, Body					1
4		• Pin, Dowel					2
5		• Bearing, Ball					2
6		• Plate, Wear					1
7		• Gear, Driven Wear					1
8		• Gear, Driven					1
9		• Plate, Thrust					1
10		• Plug, Pipe					4
11		• Assembly, Cover					1
12		• Washer (attaching parts)					4
13		• Screw, Hex (attaching parts)					4
14		• Kit, Seal					1
15		• • Brush					1
16		• • Cap, Brush					1
17		• • Gasket					1
18		• • Cover, Brush					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

# HOPPER VIBRATOR ASSEMBLY



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**HOPPER VIBRATOR ASSEMBLY****PARTS**

GROUP 80

FIGURE 05

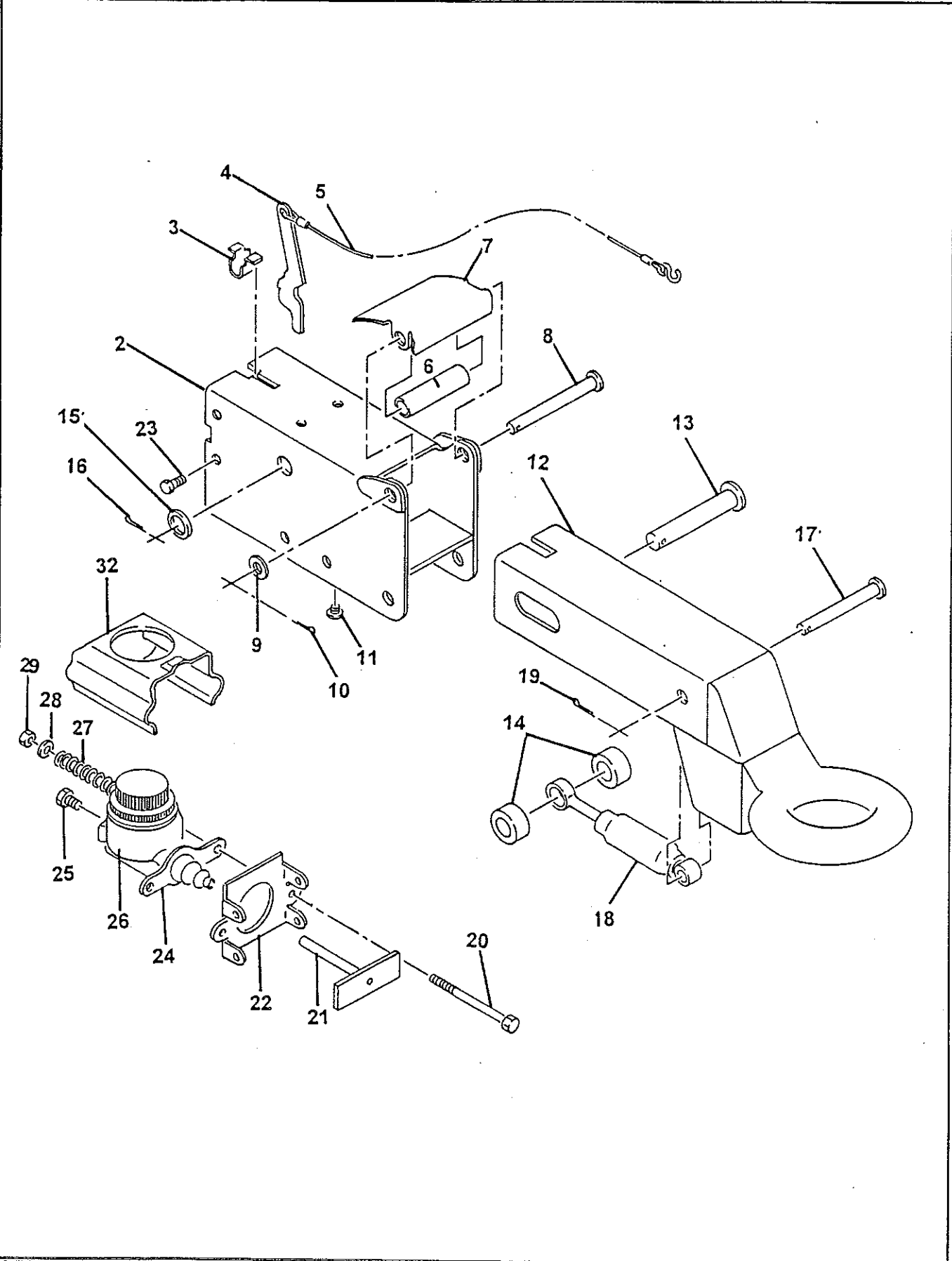
PAGE 02

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

REVISION:

# ACTUATOR BRAKES ASSEMBLY



REVISION:

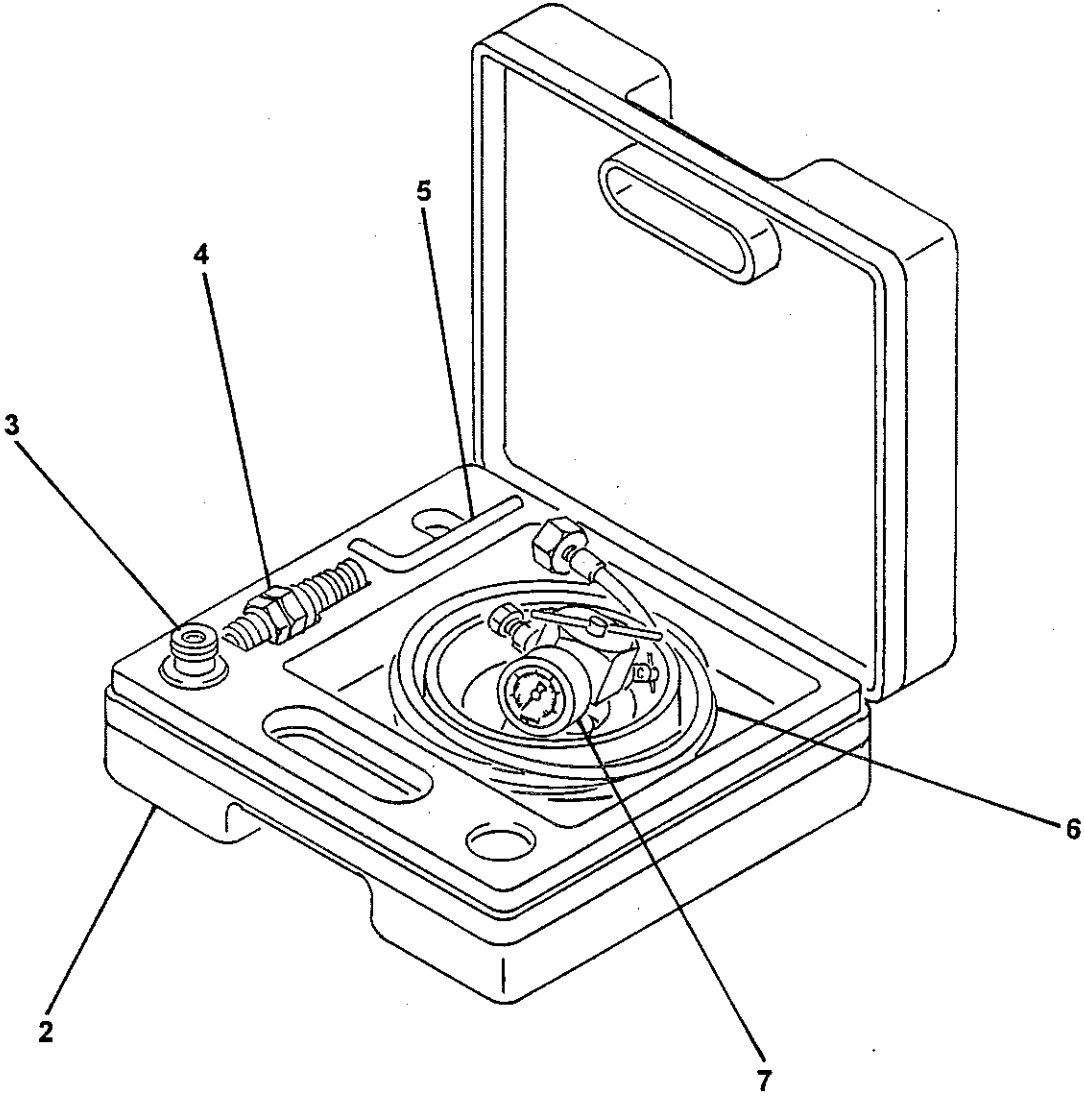
**REED**CONCRETE PLACING  
EQUIPMENT**ACTUATOR BRAKES ASSEMBLY****PARTS  
GROUP 80  
FIGURE 06  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	75413	Assembly, Actuator Brakes (See Group 80, Figure 01 for NHA)	Ref
2		• Case, Outer	1
3		• Spring, Brakeway	1
4		• Lever, Breakway Pin	1
5		•• S-Hook	1
6		• Roller, Front	1
7		• Cover, Front Roller	1
8		• Pin, Front Roller	1
9		• Washer, Front Roller Pin	1
10		• Pin, Cotter 1/8 x 3/4	1
11		• Bearing	2
12		• Lunette Eye, Inner Side	1
13		• Pin, Master	1
14		• Roller, Rear	2
15		• Washer, Master Pin	1
16		• Pin, Cotter 1/8 x 3/4	1
17		• Pin, Damper	1
18		• Damper	1
19		• Pin, Cotter 1/8 x 3/4	1
20		• Bolt, Hex 3/8 NC x 5	2
21		• Rod, Push	1
22		• Plate, Cylinder Mounting	1
23		• Bolt, 5/16 x 1/2 Self Topping	4
24		• Cylinder, Master	1
25		• Connector, 1/16 Orifice	1
26		• Cap, Master Cylinder with Gasket	1
27		• Spring	2
28		• Washer, 3/8	2
29		• Nut, hex 3/8 NC	2

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**ACCUMULATOR CHARGE KIT**



**REED**CONCRETE PLACING  
EQUIPMENT**ACCUMULATOR CHARGE KIT****PARTS**

GROUP 80

FIGURE 07

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	71460	Kit, Accumulator Charge (See Group 80, Figure 01 for NHA)					Ref
2		• Case, Charge Kit					1
3		• Adapter, FPK / SB					1
4		• Adapter, G4					1
5		• Wrench, Allen					1
6		• Hose, Charging					1
7		• Unit, FPK Charging and Gaging					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

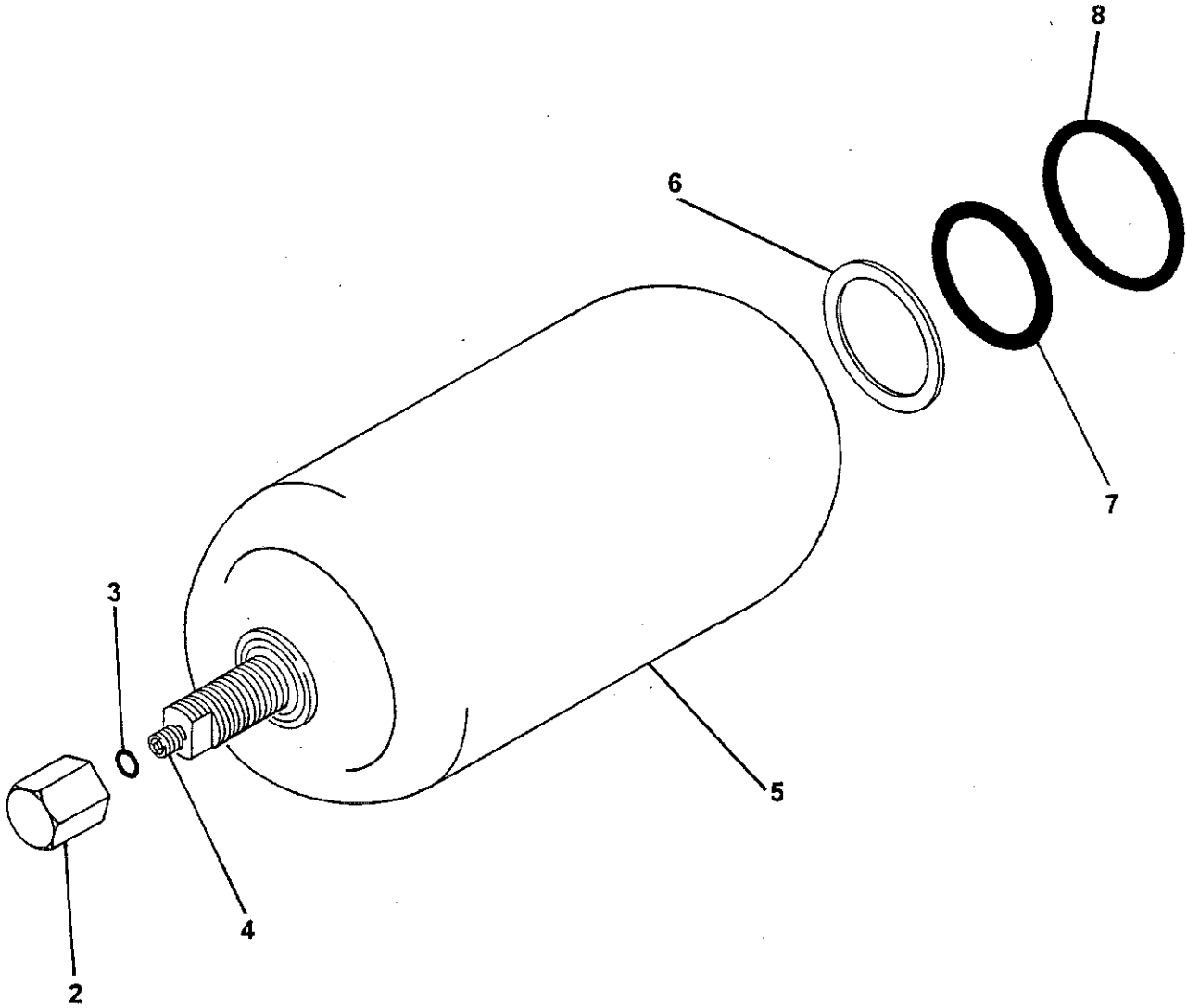
**BLADDER REPAIR KIT**

**PARTS**

GROUP 80

FIGURE 08

PAGE 01



REVISION:





# BLADDER REPAIR KIT

PARTS  
GROUP 80  
FIGURE 08  
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-08	Kit, Bladder Repair (See Group 80, Figure 01 for NHA)					Ref
2		• Cap, Valve Seal					1
3		• O-Ring					1
4		• Core, Gas Valve					1
5	74516	• Bladder, 1 Gal <i>REPAIR KIT</i>					1
6		• Ring, Flat					1
7		• O-Ring					1
8		• Ring, Back Up					1

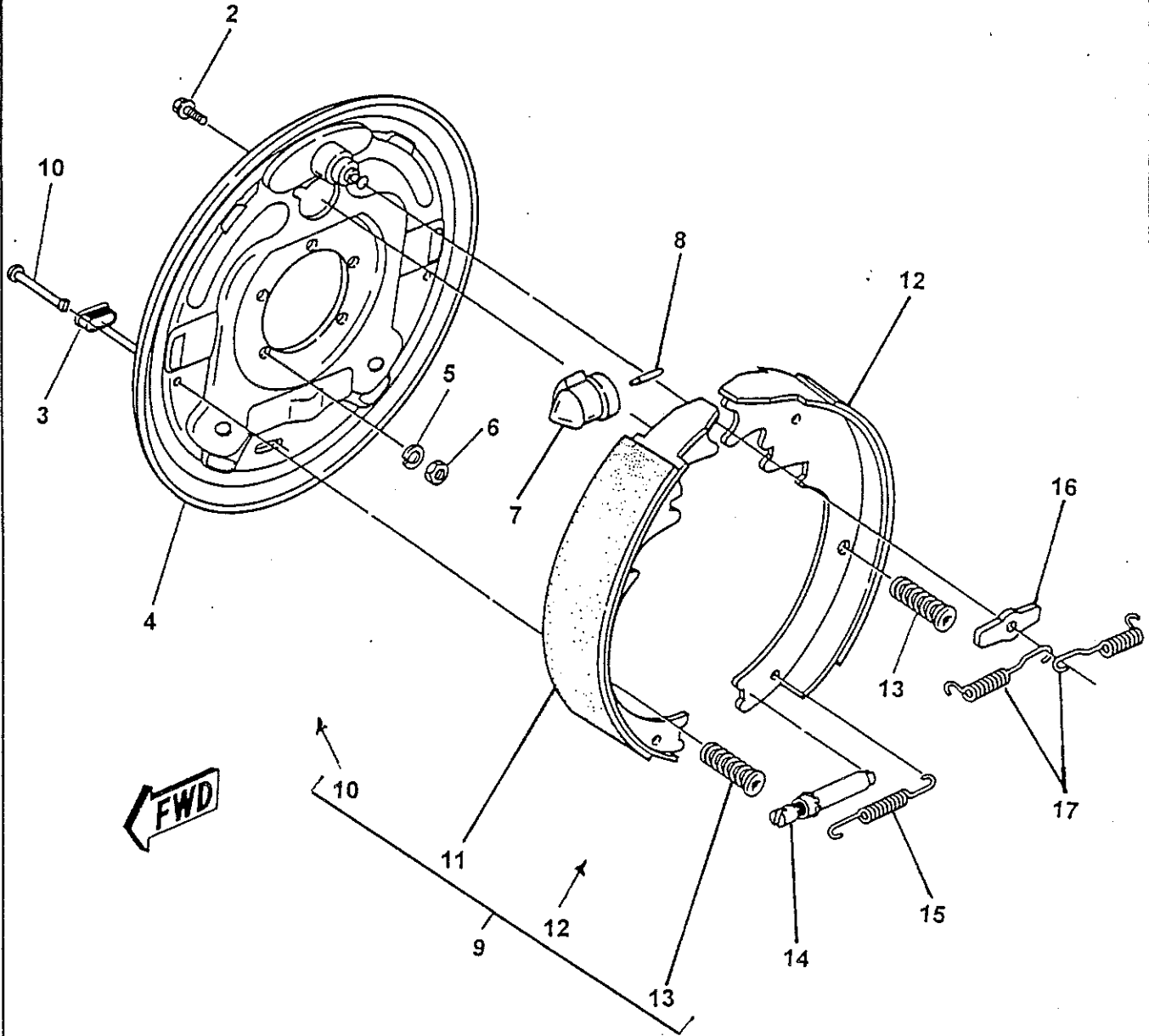
DASH (-) ITEM NOT ILLUSTRATED

**REED**

CONCRETE PLACING  
EQUIPMENT

**NON-OPERATOR SIDE  
HYDRAULIC BRAKE ASSEMBLY**

**PARTS  
GROUP 80  
FIGURE 09  
PAGE 01**



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**NON-OPERATOR SIDE  
HYDRAULIC BRAKE ASSEMBLY****PARTS  
GROUP 80  
FIGURE 09  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-09	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

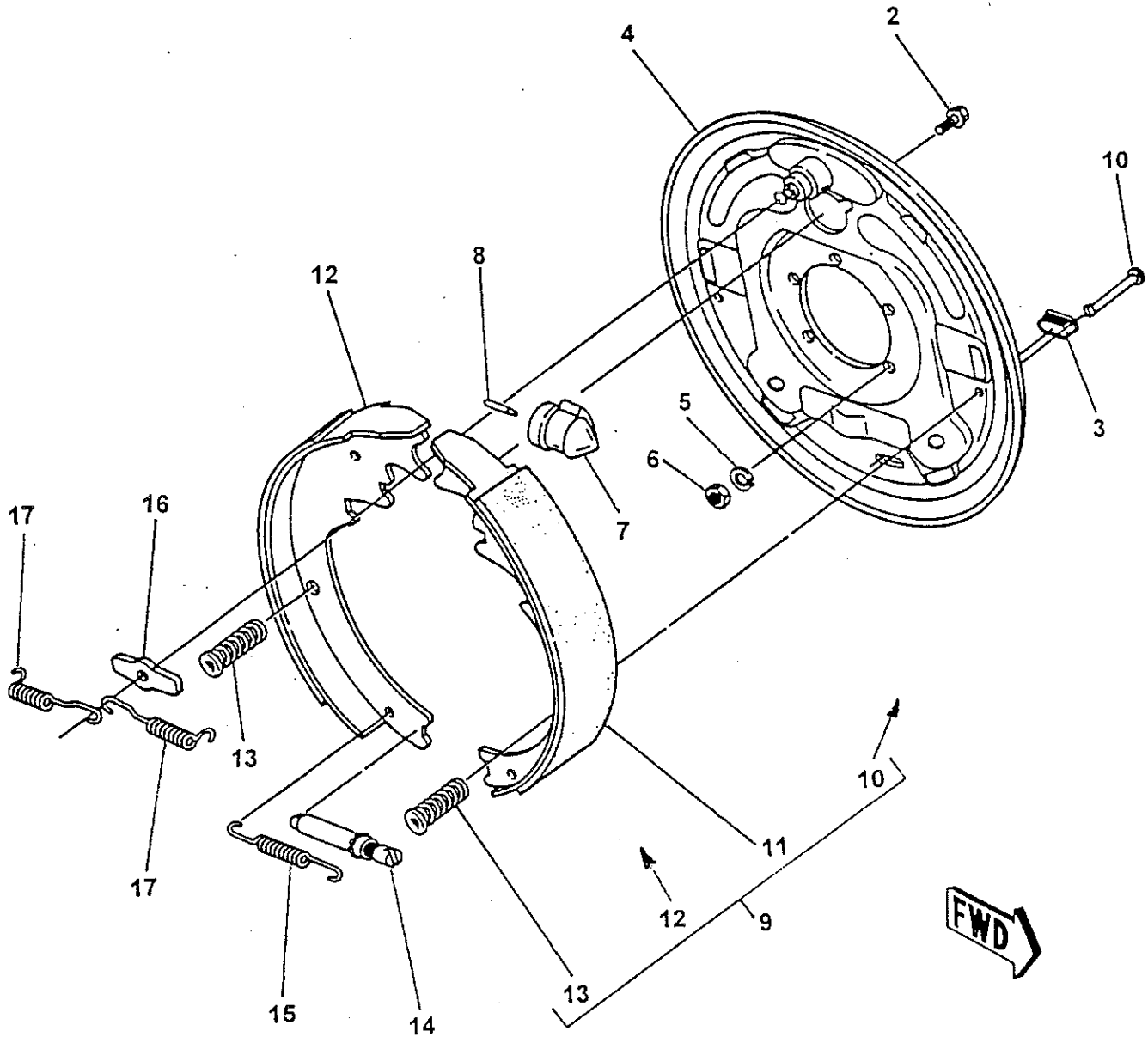
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CONCRETE PLACING  
EQUIPMENT

**OPERATOR SIDE  
HYDRAULIC BRAKE ASSEMBLY**

**PARTS  
GROUP 80  
FIGURE 10  
PAGE 01**



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**OPERATOR SIDE  
HYDRAULIC BRAKE ASSEMBLY****PARTS  
GROUP 80  
FIGURE 10  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-10	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

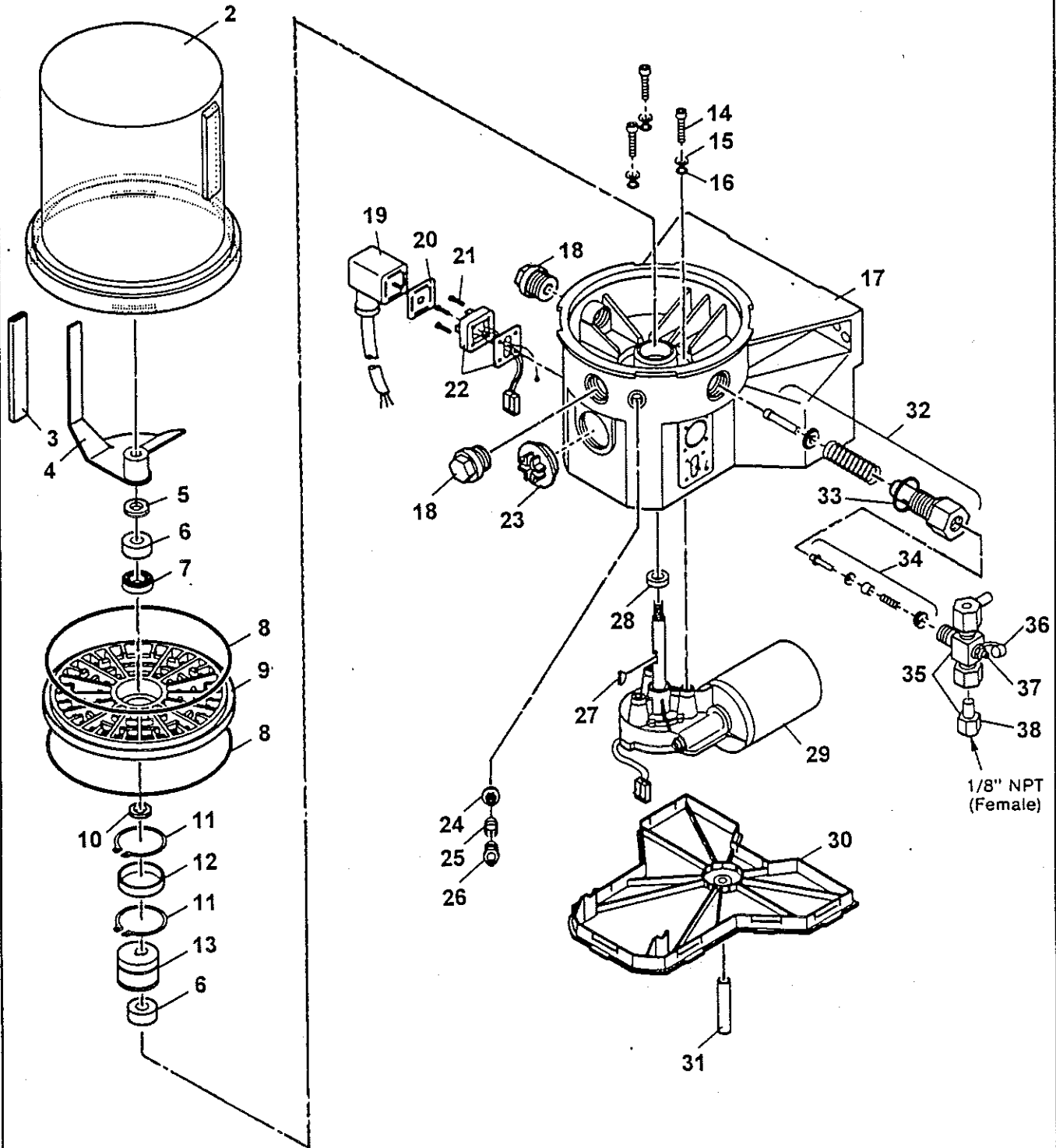
REVISION:

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CONCRETE PLACING  
EQUIPMENT

## LUBE PUMP ASSEMBLY

PARTS  
GROUP 80  
FIGURE 11  
PAGE 01



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**LUBE PUMP ASSEMBLY****PARTS  
GROUP 80  
FIGURE 11  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	78736	Assembly, Lube Pump (See Group 80, Figure 01 for NHA)	Ref
2		• Reservoir	1
3		• House	1
4		• Paddle, Stirring	1
5		• Washer	1
6		• Ring, Bearing	2
7		• Bearing	1
8		• O-Ring	2
9		• Plate, Intermediate	1
10		• Shim	1
11		• Ring, Snap	2
12		• Ring, Inner	1
13		• Cam, Eccentric	1
14		• Screw	3
15		• Washer	3
16		• O-Ring	3
17		• Housing, Pump	1
18		• Plug, Closure	2
19		• Socket with Cord	1
20		• Packing, Flat	1
21		• Screw	4
22		• Plug	1
23		• Plug, Sealing	1
24		• Insert, Filter	1
25		• Spring	1
26		• Fitting, Grease	1
27		• Key, Woodruff	1
28		• Seal, Radial	1
29		• Motor, 12VDC	1
30		• Cover, Housing	1
31		• Hose	1
32		• Element, Pump	1
33		• Gasket	1
34		• Valve, Check	1
35		• Assembly, Pressure Release	1
36		• Cap, Grease	1
37		• Fitting, Grease	1
38		• Assembly, Adapter for Relief	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:





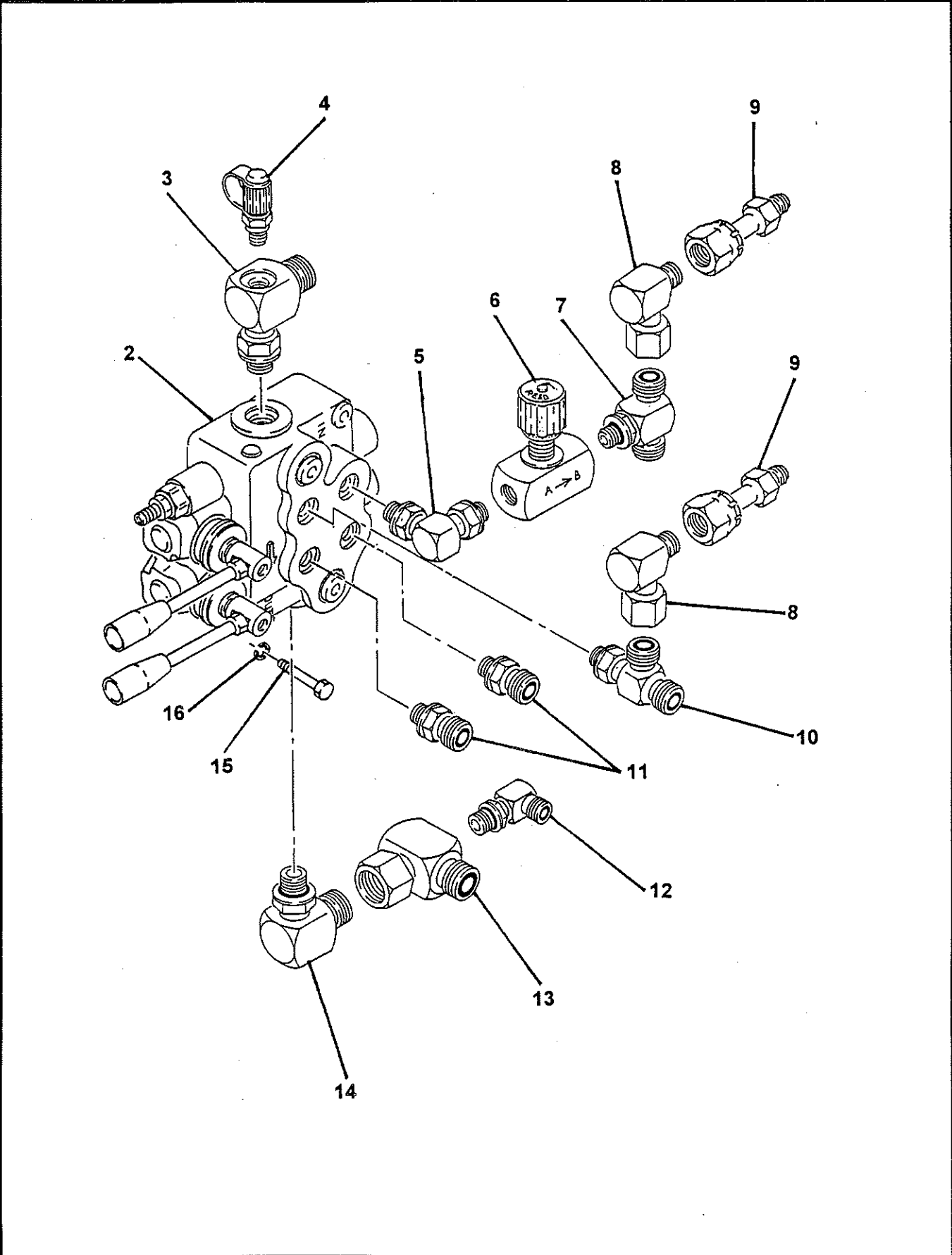
**REED**CONCRETE PLACING  
EQUIPMENT**OPTIONAL TOOL KIT ASSEMBLY****PARTS**  
GROUP 80  
FIGURE 12  
PAGE 02

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:

**AUGER / WATER WASH  
CONTROL VALVE ASSEMBLY**



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**AUGER / WATER WASH  
CONTROL VALVE ASSEMBLY****PARTS  
GROUP 80  
FIGURE 13  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-13	Assembly, Auger / Water Wash Control Valve (Optional Item) (See Group 80, Figure 01 for NHA, Also See Group 20, Figure 01 and Figure 02 and Group 50, Figure 01 for REF)	Ref
2	80-14	• Sub-Assembly, Auger / Water Wash Control Valve Control Valve (See Group 80, Figure 14 for DET)	1
3		• Tee, Special Drill 4 SAE FS6801-10-8	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Fitting, 90 MB-MB90-6-6	1
6		• Controller, Check	1
7		• Tee, MJ-MJ-MBT-6	1
8		• Fitting, 90 FS6500-6-6	2
9		• Fitting, Connector FS6500-6-6	2
10		• Tee, FS6804-6-6-6	1
11		• Fitting, 90 FS6400-6-6	2
12		• Fitting, 90 FS6801-4-6	1
13		• Tee, Special Drill 6 SAE FS6500-10-10	1
14		• Fitting, 90 FS6801-10-8	1
15		• Bolt, Hex	2
16		• Washer, SPL Lock	2

DASH (-) ITEM NOT ILLUSTRATED

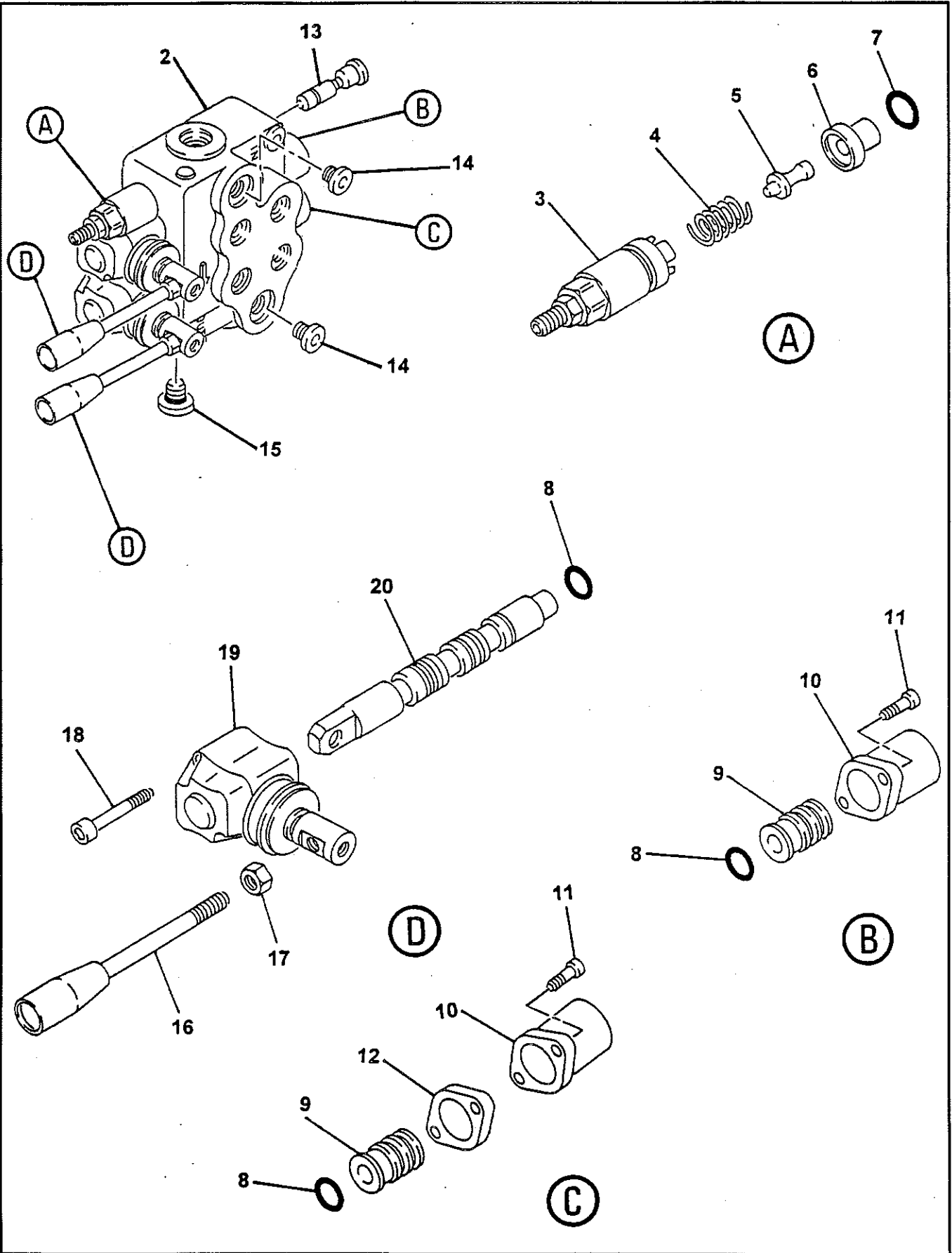
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**REED**

CONCRETE PLACING  
EQUIPMENT

**AUGER / WATER WASH  
CONTROL VALVE SUB-ASSEMBLY**

**PARTS  
GROUP 80  
FIGURE 14  
PAGE 01**



REVISION:

**REED**CONCRETE PLACING  
EQUIPMENT**AUGER / WATER WASH  
CONTROL VALVE SUB-ASSEMBLY****PARTS  
GROUP 80  
FIGURE 14  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-14	Sub-Assembly, Auger / Water Wash Control Valve (See Group 80, Figure 13 for NHA)					Ref
2		• Body, Valve					1
3		• Kit, Screw					1
4		• Spring					1
5		• Pin, Screw Kit					1
6		• Ring					1
7		• O-Ring					1
8		• O-Ring					4
9		• Kit, Spool Control					2
10		• Cap, Spool					2
11		• Screw, SOC (attaching Parts)					4
12		• Spacer					1
13		• Kit, VRS					1
14		• Plug					2
15		• Plug					1
16		• Handle, Remixer Valve					2
17		• Nut (attaching parts)					2
18		• Screw, SOC					4
19		• Lever, L					2
20		• Spool					2

DASH (-) ITEM NOT ILLUSTRATED

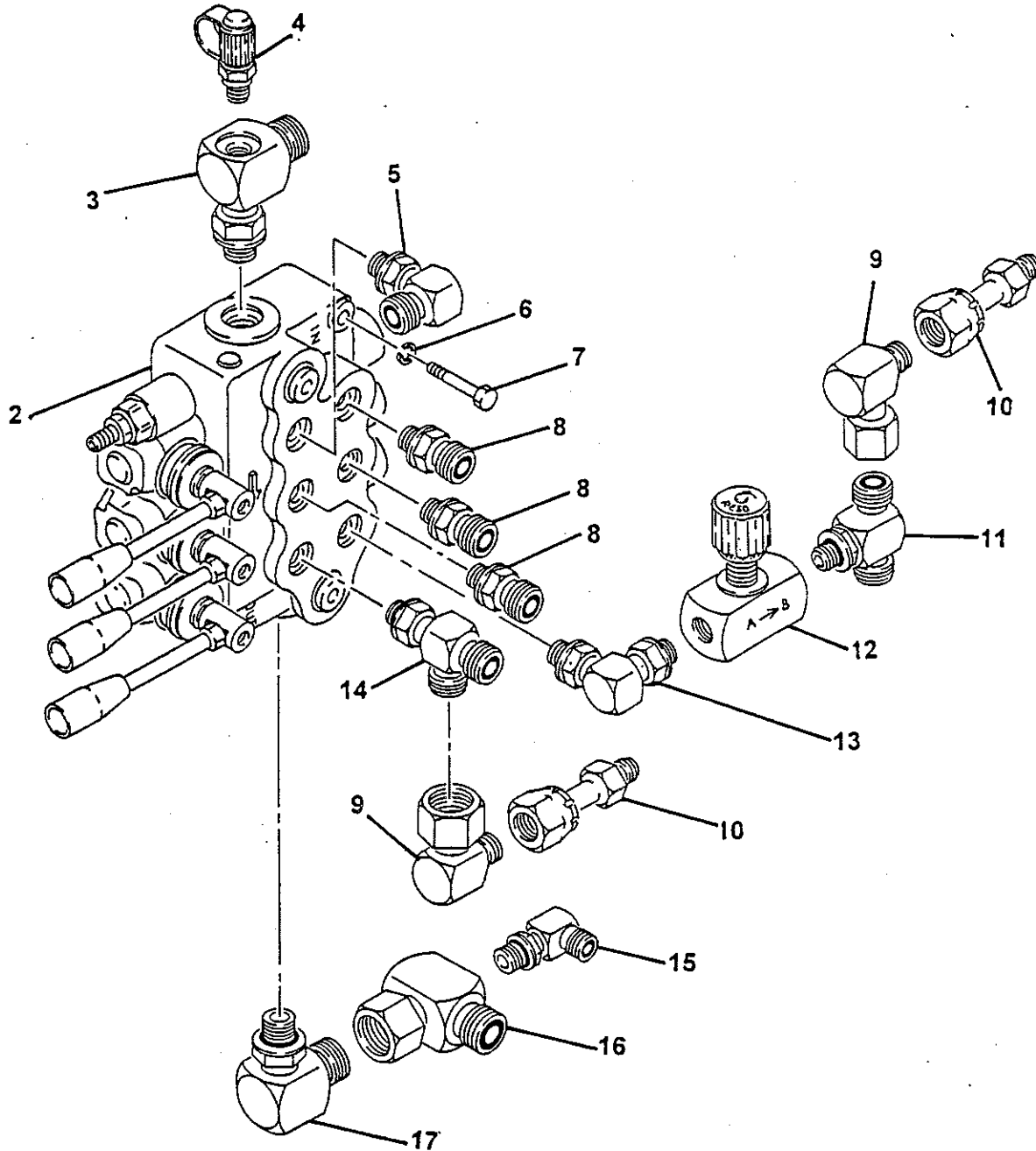
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**REED**

CONCRETE PLACING  
EQUIPMENT

**AUXILIARY / AUGER / WATER WASH  
CONTROL VALVE ASSEMBLY**

**PARTS  
GROUP 80  
FIGURE 15  
PAGE 01**



REVISION:

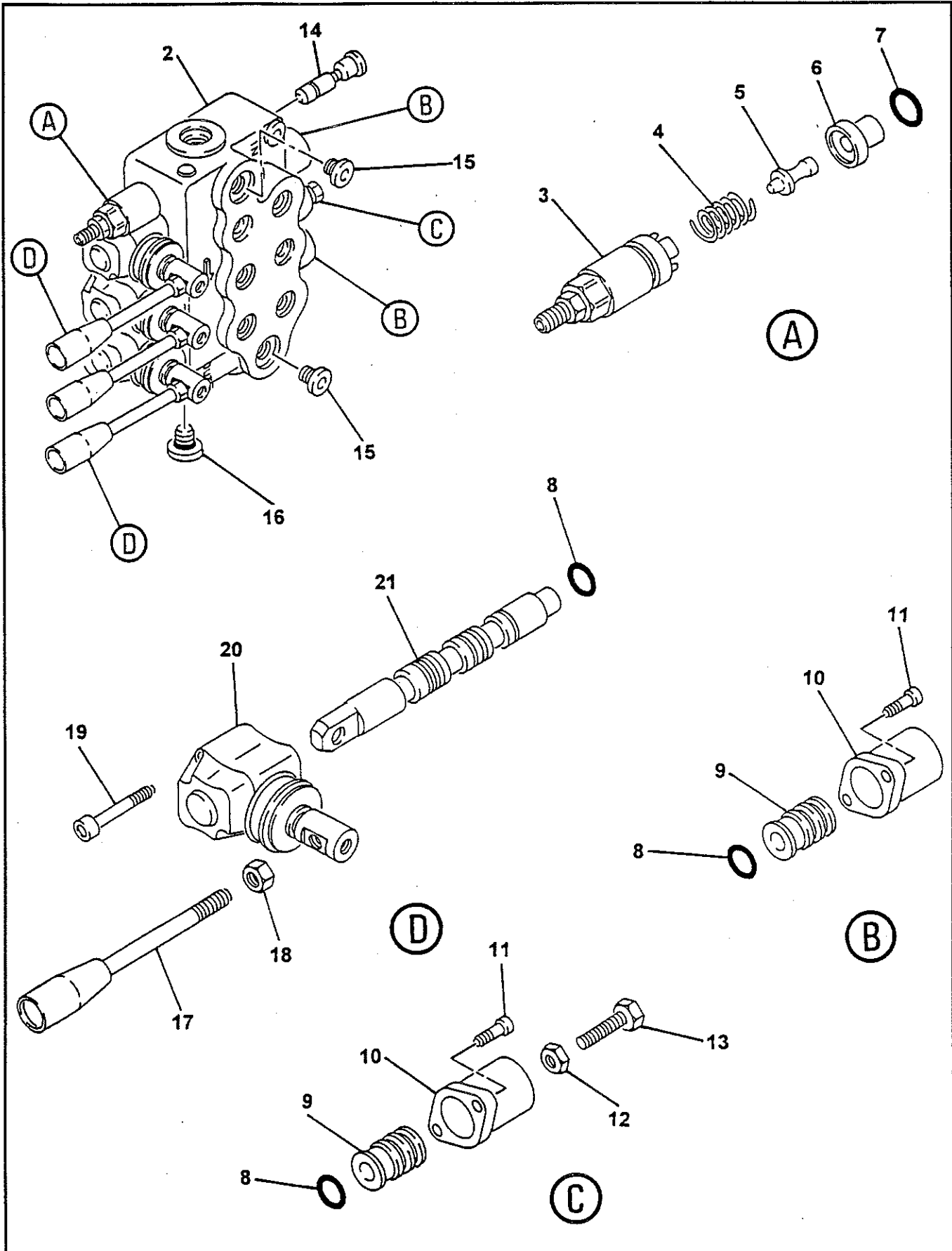
**REED**CONCRETE PLACING  
EQUIPMENT**AUXILIARY / AUGER / WATER WASH  
CONTROL VALVE ASSEMBLY****PARTS  
GROUP 80  
FIGURE 15  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-15	Assembly, Auxiliary / Auger / Water Wash Control Valve (See Group 80, Figure 01 for NHA, Also See Group 20, Figure 01 and Figure 02 and Group 50, Figure 01 for REF)					Ref
2	80-16	• Sub-Assembly, Auxiliary / Auger / Water Wash Control Valve (See Group 80, Figure 16 for DET)					1
3		• Tee, Special Drill 4 SAE FS6801-10-8					1
4	78593	• Fitting, Mini Check (Port)					1
5		• Fitting, 90 FS6801-6-6					1
6		• Washer, SPL Lock					2
7		• Bolt, Hex					2
8		• Fitting, 90 FS6400-6-6					3
9		• Fitting, 90 FS6500-6-6					2
10		• Fitting, Connector FS6500-6-6					2
11		• Tee, MJ-MJ-MBT-6					2
12		• Controller, Check					1
13		• Fitting, 90 MB-MB90-6-6					1
14		• Tee, FS6804-6-6-6					1
15		• Fitting, 90 FS6801-4-6					1
16		• Tee, Special Drill 6 SAE FS6500-10-10					1
17		• Fitting, 90 FS6801-10-8					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**AUXILIARY / AUGER / WATER WASH  
CONTROL VALVE SUB-ASSEMBLY**



REVISION:



**REED**CONCRETE PLACING  
EQUIPMENT**AUXILIARY / AUGER / WATER WASH  
CONTROL VALVE SUB-ASSEMBLY****PARTS  
GROUP 80  
FIGURE 16  
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-16	Sub-Assembly, Auxiliary / Auger / Water Wash Control Valve (See Group 80, Figure 15 for NHA)	Ref
2		• Body, Valve	1
3		• Kit, Screw	1
4		• Spring	1
5		• Pin, Screw Kit	1
6		• Ring	1
7		• O-Ring	1
8		• O-Ring	4
9		• Kit, Spool Control	3
10		• Cap, Spool	3
11		• Screw, SOC (attaching Parts)	6
12		• Nut	1
13		• Bolt, Hex	1
14		• Kit, VRS	1
15		• Plug	2
16		• Plug	1
17		• Handle, Remixer Valve	3
18		• Nut (attaching parts)	3
19		• Screw, SOC	6
20		• Lever, L	3
21		• Spool	3

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

**REED**

CONCRETE PLACING  
EQUIPMENT

TRAILER MOUNTED PUMP *B30 HO*  
ILLUSTRATED PARTS MANUAL

PARTS  
GROUP 80  
FIGURE 17  
PAGE 01

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