

**REED TRAILER MOUNTED CONCRETE PUMP 03 MODEL B20 ILLUSTRATED PARTS
MANUAL CONTAINS THE FOLLOWING GROUPS AND FIGURES:**

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TRAILER MOUNTED PUMP MODEL *B20* HOW TO USE PART MANUAL

B20
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 *03* model **B20**. 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	<i>03</i> MODEL B20 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
	DUAL SHIFT SWING VALVE ASSEMBLY	01 B40 PARTS GROUP 60 FIGURE 04 PAGE 02		
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY	
		1 2 3 4 5		
-1	80-04	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	88441	** Retainer, Swing Ram	2	
DASH (-) ITEM NOT ILLUSTRATED				
REVISION:				
2	3	4	5	

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	80-04	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

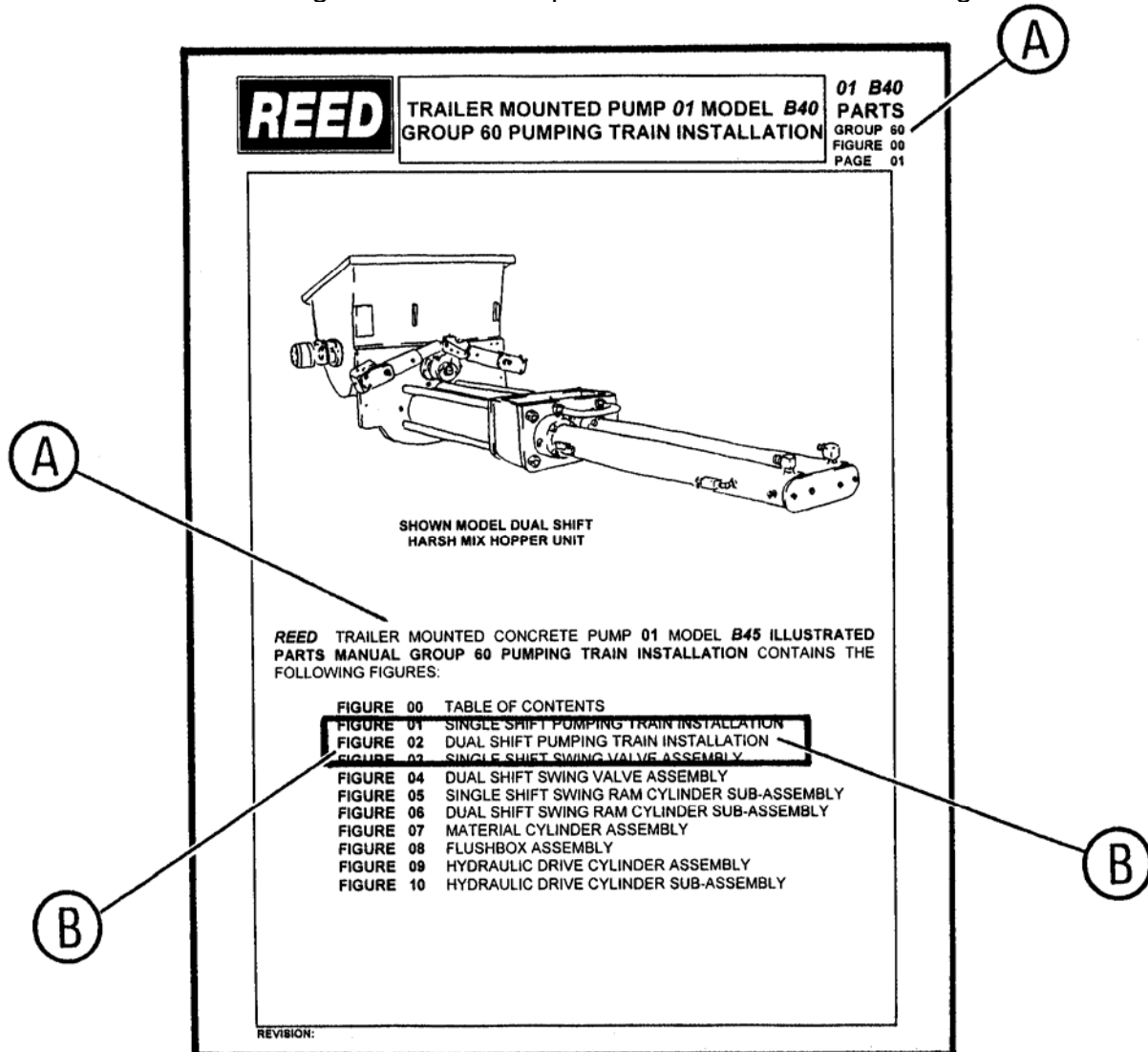
- A. Reference (**REF**) indicates the items that is listed previously in the Next Higher Assembly (**NHA**) and then again in this figure.
- B. As Required (**A/R**) indicates the parts that is used in a quantity as required.
- C. A number entry indicates the quantity of the part used in its next higher 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 **03** model **B20**. (Refer to each unit name plate shown below). NOTE: This manual is being released to cover unit starting with serial number **3-04-1-2147** 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	_____ 3AR
HYDRAULIC PRESSURE	_____	PSI	_____ 3AR
ENGINE / PTO ELECTRIC MOTOR	_____	RPM	_____ /Q.L.T.S
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 00
FIGURE 04
PAGE 01

DUAL SHIFT SWING VALVE ASSEMBLY

REED

01 B40
PARTS
GROUP 00
FIGURE 04
PAGE 02

DUAL SHIFT SWING VALVE ASSEMBLY

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-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	79896	• • Kit, Outlet Seal					1
7	77761	• • O-Ring, Large					1
8	77762	• • O-Ring, Small					1
9	86604	• • 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	86965	• • 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	86733	• • Bearing, 3 Inch Spine Flange					1
33	86294	• • Washer, Thrust					1
34	86769	• • Spacer, Swing Tube Nth					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	86082	• • 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.
- 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.

REVISION:



TRAILER MOUNTED PUMP MODEL *B20* HOW TO ORDER PARTS

B20
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 FedEx and DHL are available in designated areas.

5. TO ORDER

A. BY MAIL

Attention: Parts Department

REED

13822 Oaks Avenue
Chino, CA. 91710

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. 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 03 MODEL B20 ILLUSTRATED PARTS MANUAL GROUP 10 FINAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

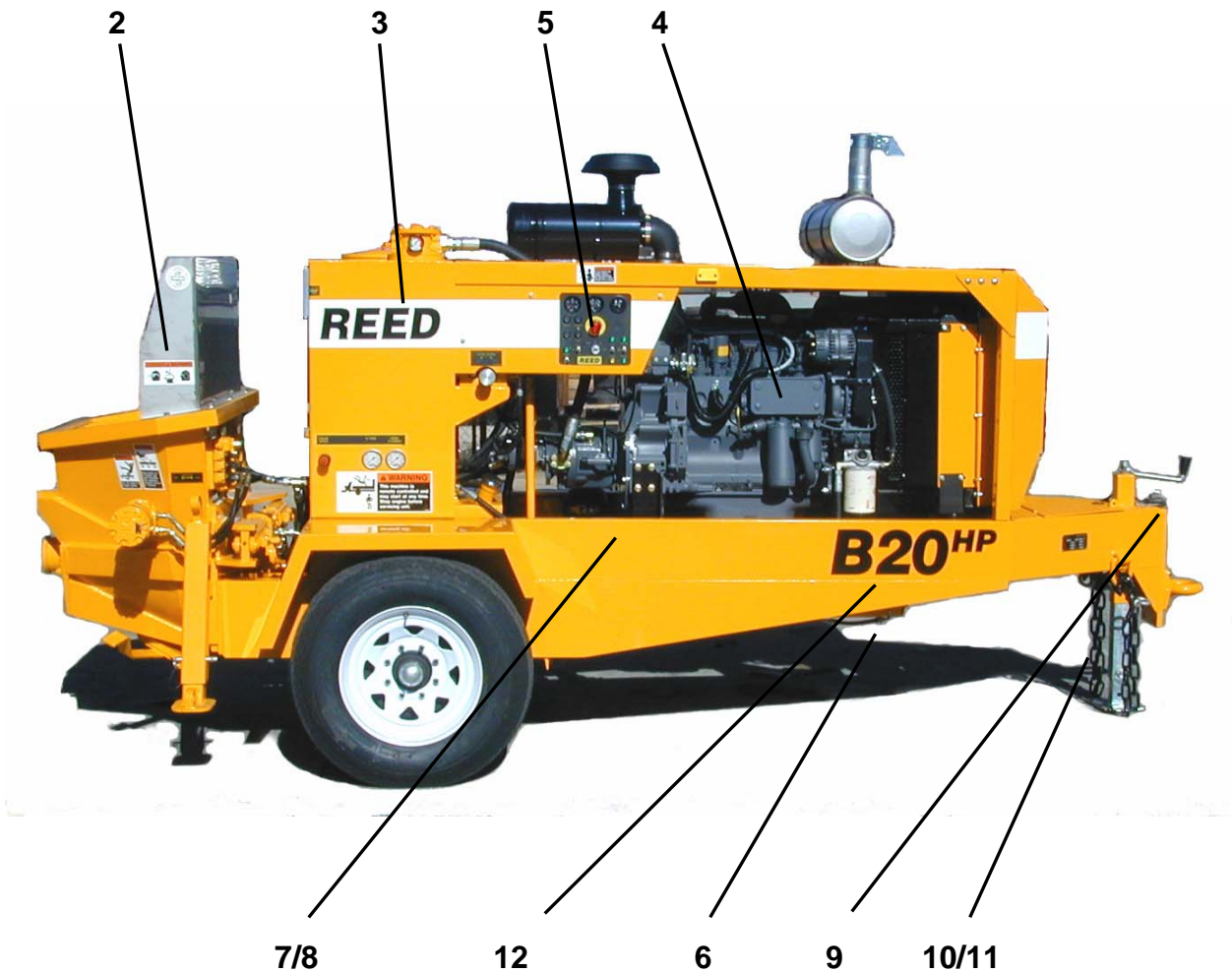
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** FINAL INSTALLATION
- FIGURE 02** DECAL ASSEMBLY





SKID MOUNTED PUMP MODEL *B20*
FINAL INSTALLATION

B20
PARTS
GROUP 10
FIGURE 01
PAGE 01





FINAL INSTALLATION GROUP 10 FINAL INSTALLATION

B20
PARTS
GROUP 10
FIGURE 01
PAGE 02

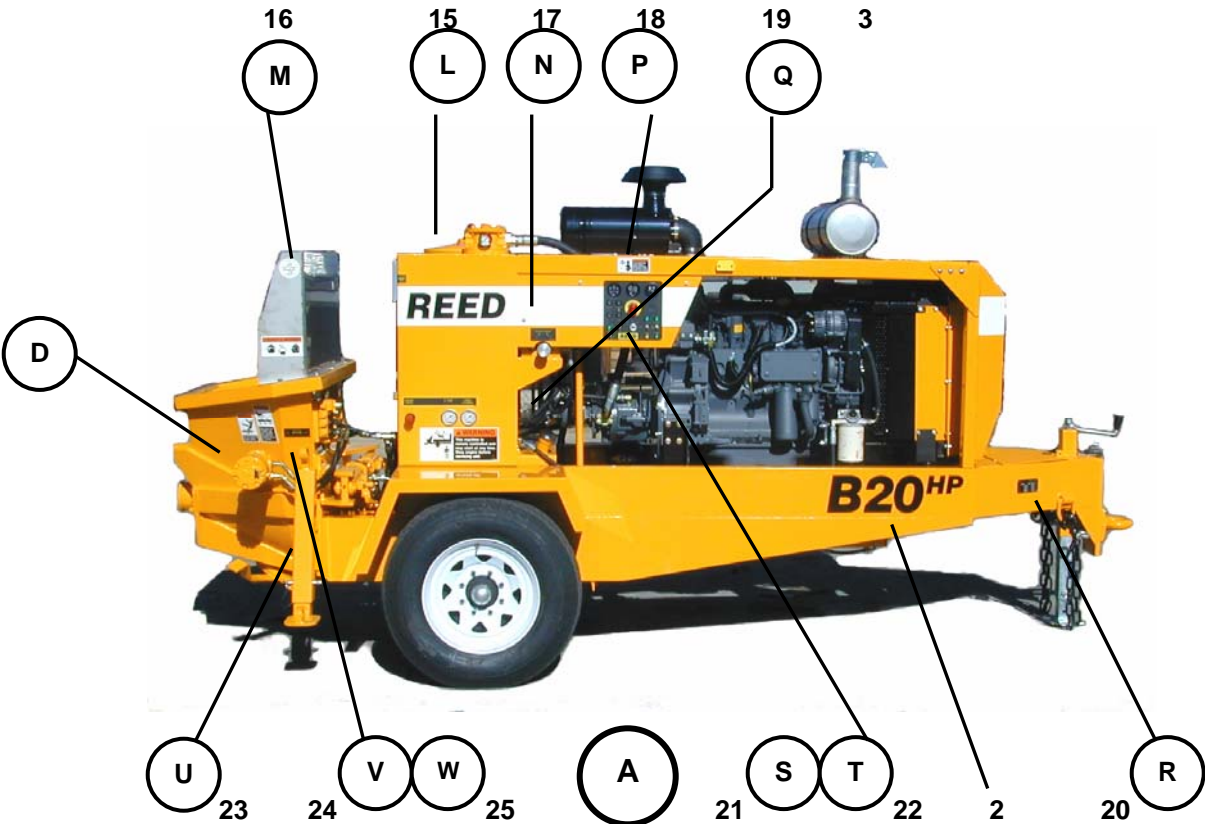
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	B20A-V03	Installation, B20 Final	Ref
2	20-01	• Installation, Hopper (See Group 20, Figure 01 for DET)	1
3	30-01	• Installation, Tank (See Group 30, Figure 01 for DET)	1
4	40-01	• Installation, Power Train (See Group 40, Figure 01 for DET)	1
5	50-01	• Installation, Control (See Group 50, Figure 01 for DET)	1
6	60-01	• Installation, Double Shift 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	86730	• Chain	1
11	71049	• Clevis, Double	2
12	10-02	• Kit, B20 Decal (See Group 10, Figure 02 for DET)	1

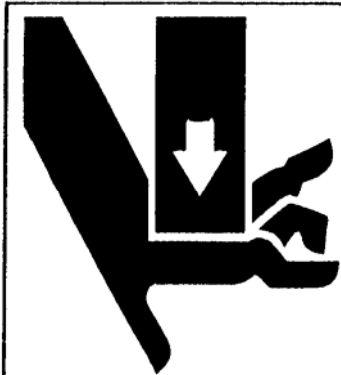
REVISION:



DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION

B20
PARTS
GROUP 10
FIGURE 02
PAGE 01





! WARNING

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

800916





ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	10-02	Kit, B20 Decal (See Group 10, Figure 01 for NHA)	Ref
2	85447	• Decal, B20 6 Inch Black	2
3	85425	• Kit, B-Series Decal	1
4	85418	• • Decal, REED 4 1/2 Inch Black and White 48 Inch	2
5	800916	• • Decal, Warning, Keep Hand Out of Water Box	1
6	800924	• • Decal, Warning, This Machine is Remote Controlled and	2
7	85416	• • Decal, REED 4 1/2 Inch Black and White 20 Inch	1
8	800922	• • Decal, Warning, Before Opening a Blocked Pipeline,	1
9	800921	• • Decal, Warning, Do Not Operate at Pressures Exceeding	1
10	73132	• • Decal, REED 4 1/2 Inch	1
11	800929A	• • Decal, Warning	2
12	800917	• • Decal, Warning, Keep Hand Out of Hopper and Valve	2
13	800918	• • Decal, Warning, Do Not Stand on Hopper Grate	2
14	85684	• • Decal, B-Series Gauges	1
15	75020	• • Decal, Hydraulic Oil	1
16	800931	• • Decal, ACPA Member	1
17	85413	• • Decal, Volume Control	1
18	800926	• • Decal, Warning, Do Not Operate This Machine without	1
19	75017	• • Decal, Diesel Fuel Only	1
20	75009	• • Nameplate, REED , Serial No.	1
21	85332	• Decal, Control Box Panel	1
22	85410	• Decal, Remote Control	1
23	800919	• Decal, Optional, Warning, Stand Clear Outriggers When	2
24	85845	• Decal, Outriggers	1
25	85846	• Decal, Agitator	1



DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION

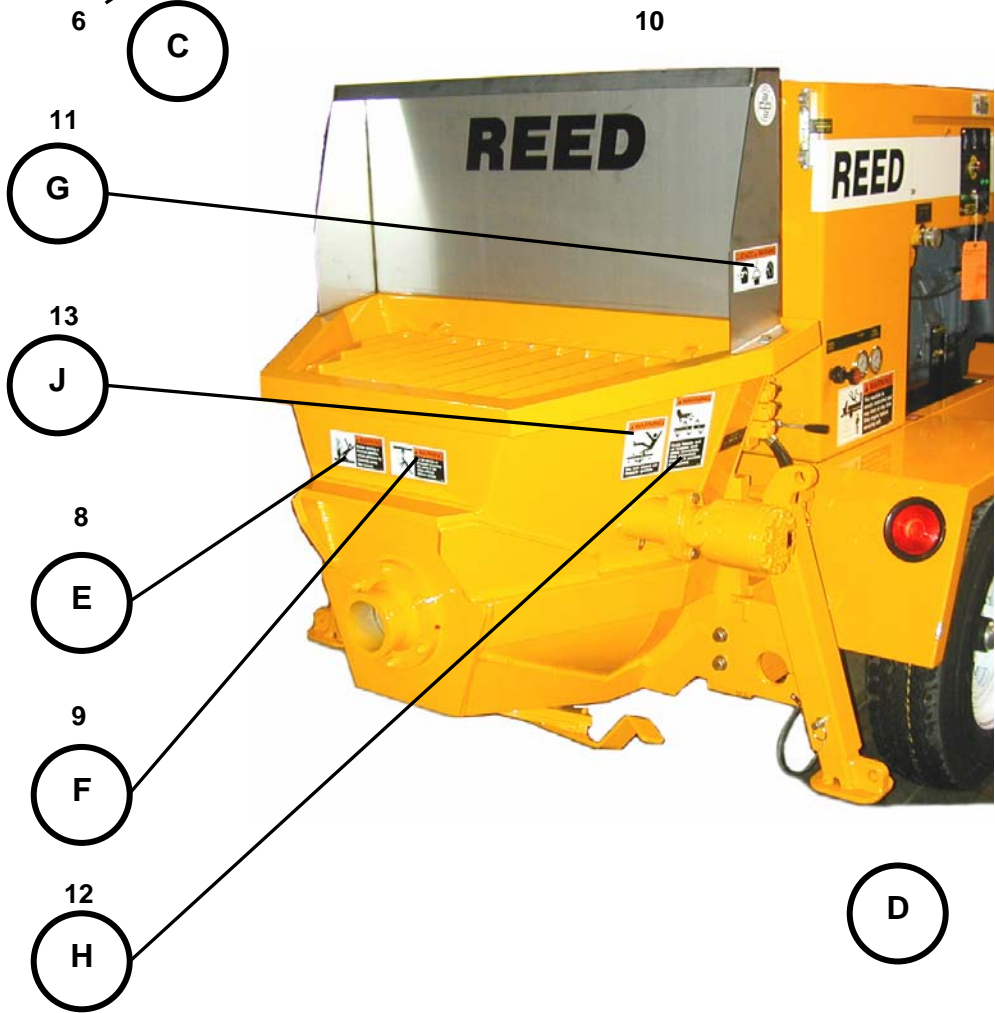
B20
PARTS
GROUP 10
FIGURE 02
PAGE 03



**WARNING**

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

800924





! WARNING
Before opening a blocked pipeline, relieve pressure by reversing pump. See manual.

800922

8

(E)

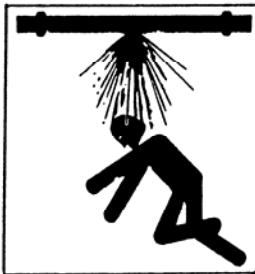
! WARNING

Keep hands out of hopper and valve assembly. See operation manual if access is required.

800917

(H)

12



! WARNING
Do not operate at pressures exceeding the rating of the entire material delivery system.

800921

9

(F)

CUIDADO ! WARNING

800929

(G)

11



DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION

B20
PARTS
GROUP 10
FIGURE 02
PAGE 05



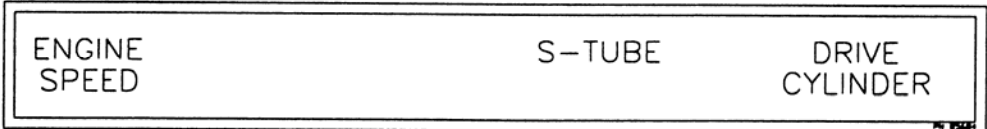
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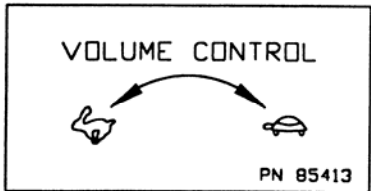
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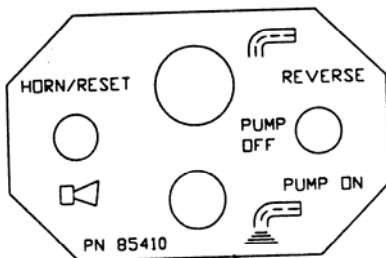
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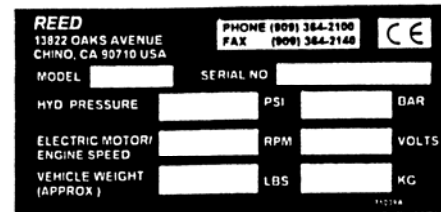
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22

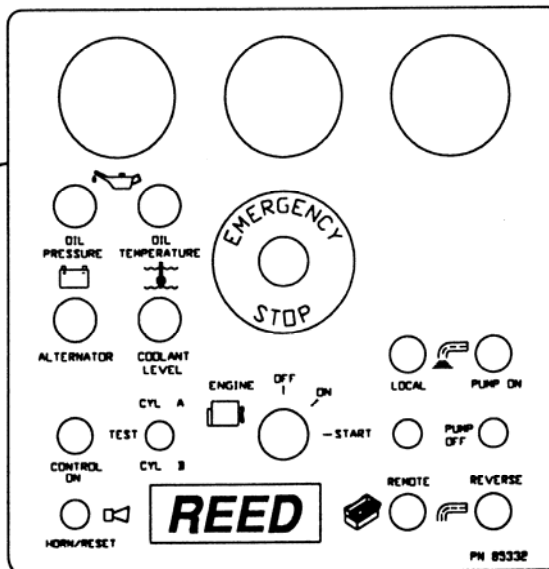


20

(R)

21

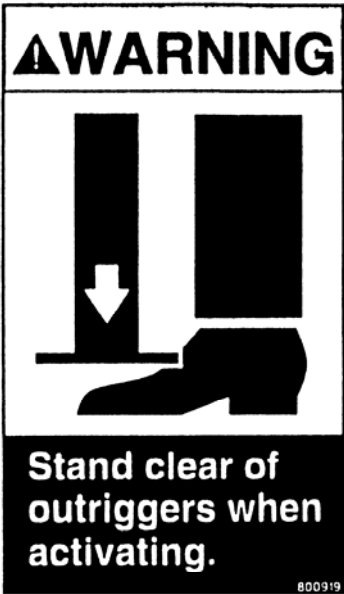
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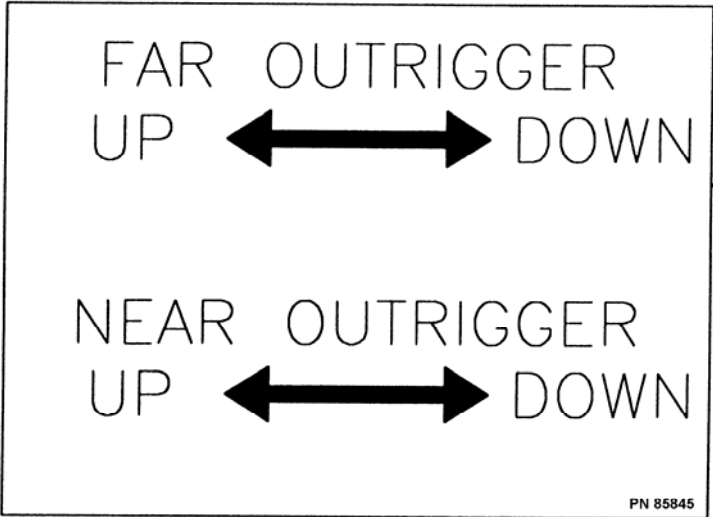


DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION

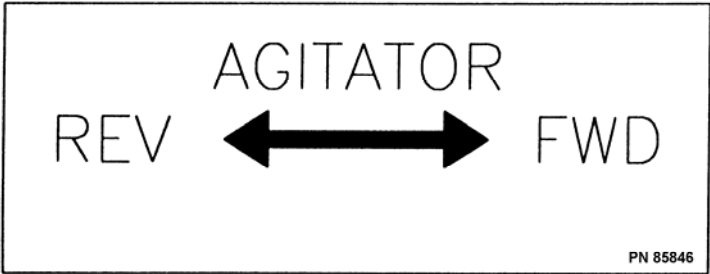
B20
PARTS
GROUP 10
FIGURE 02
PAGE 07



23



24



25



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	10-02	Kit, B20 Decal (See Group 10, Figure 01 for NHA)	Ref
2	85447	• Decal, B20 6 Inch Black	2
3	85425	• Kit, B-Series Decal	1
4	85418	• • Decal, REED 4 1/2 Inch Black and White 48 Inch	2
5	800916	• • Decal, Warning, Keep Hand Out of Water Box	1
6	800924	• • Decal, Warning, This Machine is Remote Controlled and	2
7	85416	• • Decal, REED 4 1/2 Inch Black and White 20 Inch	1
8	800922	• • Decal, Warning, Before Opening a Blocked Pipeline,	1
9	800921	• • Decal, Warning, Do Not Operate at Pressures Exceeding	1
10	73132	• • Decal, REED 4 1/2 Inch	1
11	800929A	• • Decal, Warning	2
12	800917	• • Decal, Warning, Keep Hand Out of Hopper and Valve	2
13	800918	• • Decal, Warning, Do Not Stand on Hopper Grate	2
14	85684	• • Decal, B-Series Gauges	1
15	75020	• • Decal, Hydraulic Oil	1
16	800931	• • Decal, ACPA Member	1
17	85413	• • Decal, Volume Control	1
18	800926	• • Decal, Warning, Do Not Operate This Machine without	1
19	75017	• • Decal, Diesel Fuel Only	1
20	75009	• • Nameplate, REED , Serial No.	1
21	85332	• Decal, Control Box Panel	1
22	85410	• Decal, Remote Control	1
23	800919	• Decal, Optional, Warning, Stand Clear Outriggers When	2
24	85845	• Decal, Outriggers	1
25	85846	• Decal, Agitator	1



**DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION**

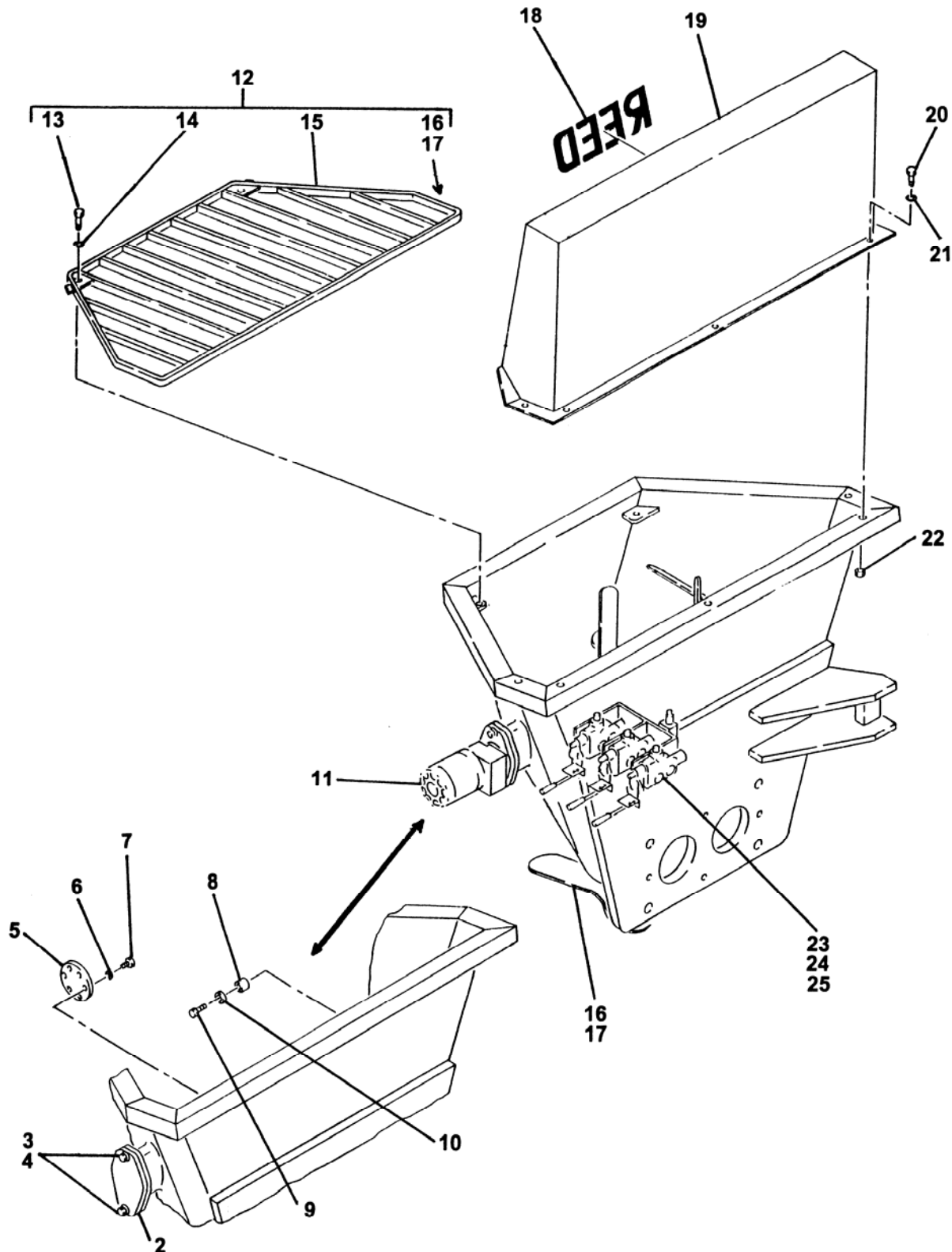
B20
PARTS
GROUP 10
FIGURE 03
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP 03 MODEL B20 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 (ROUNDED)**
- FIGURE 03 STANDARD HOPPER AGITATOR ASSEMBLY**
- FIGURE 04 AGITATOR MOTOR ASSEMBLY**
- FIGURE 05 AGITATOR CONTROL VALVE ASSEMBLY**
- FIGURE 06 AGITATOR CONTROL VALVE SUB-ASSEMBLY**





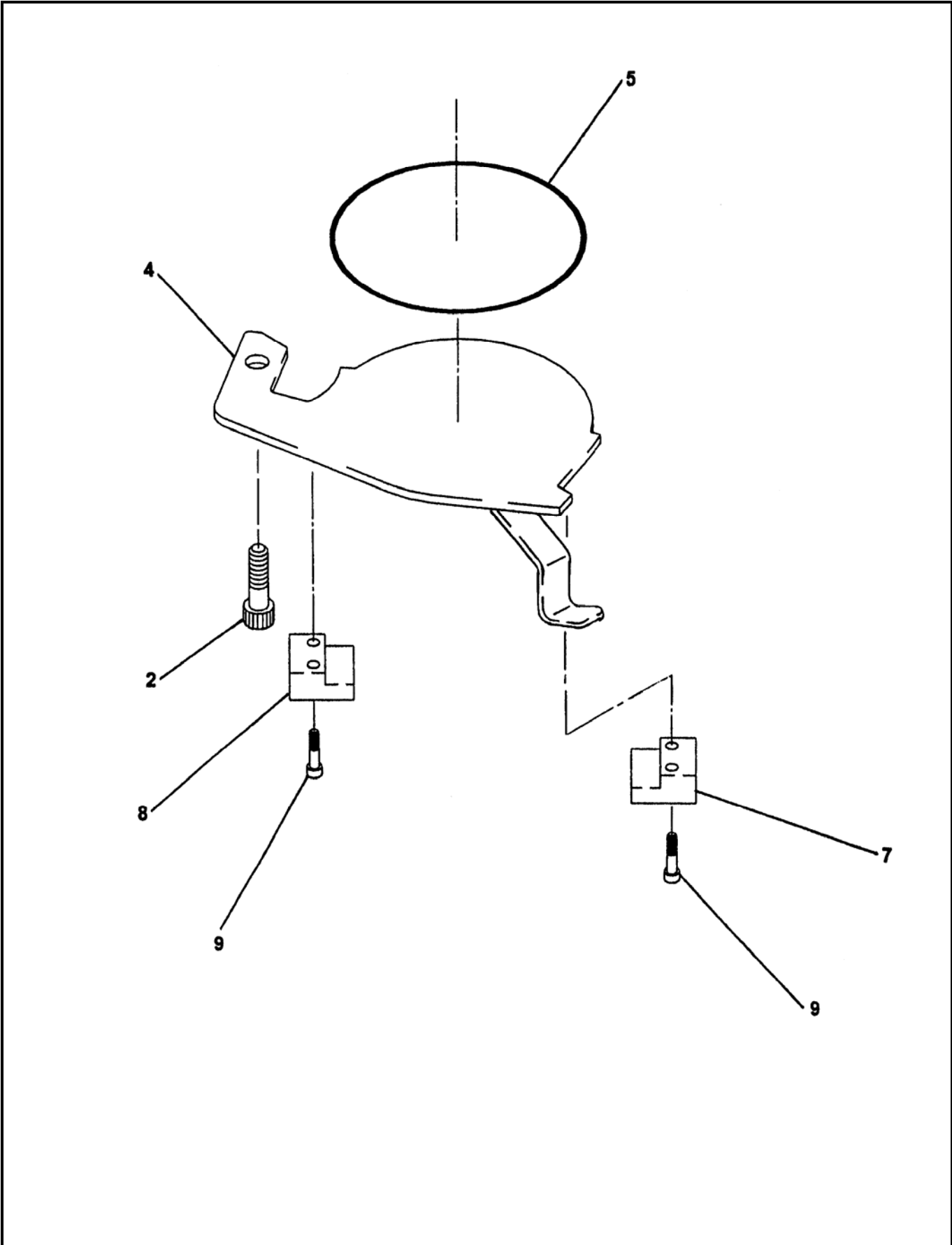
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-01	Installation, Standard Hopper (See Group 10, Figure 01 for NHA)	Ref
2	73433	• Cover, Remix Outside	1
3		• Bolt, Hex	2
4		• Washer, Lock	2
5	73434	• Cover, Remix Inside	1
6		• Washer, Lock	6
7		• Bolt, Hex	6
8	70219	• Bushing, Remix Shaft	1
9		• Bolt, Hex	1
10		• Washer, Flat	1
11	85761	• Assy, Std Hopper Agitator-(Optional Item)-See Figure 05	1
12	86803	• Weldment, Hopper	1
13	70903	• • Plate, Bolt-Down	2
14		• • Washer. Lock	2
15	72227	• • Grate, Std Hopper	1
16	72971-2	• • Assy, Square Clean-Out Door (On Older Models)	REF
17	86542	• • Assy, Rounded Clean-Out Door-See Figure 04	1
18	73132	• Decal, REED 4 ½ Inch	1
19	85714	• Guard, Splash (Hopper Extension-PN 87064)	1
20		• Bolt, Hex	5
21		• Washer, Flat	5
22		• Nut, Lock	5
23	20-09	• Assy, Agitator Cntl Valve-(Optional Item)-See Figure 09	1
24	80-15	• Assy, 2 Spool Valve-(Optional Item)-See Group 80 Fig 15	1
25	80-17	• Assy, 3 Spool Valve-(Optional Item)-See Group 80 Fig 17	1

DASH (-) ITEM NOT ILLUSTRATED



**HOPPER CLEAN OUT
DOOR ASSEMBLY (ROUNDED)**

B20
PARTS
GROUP 20
FIGURE 02
PAGE 01



REVISION:



HOPPER CLEAN OUT DOOR ASSEMBLY (ROUNDED)

B20
PARTS
GROUP 20
FIGURE 02
PAGE 02

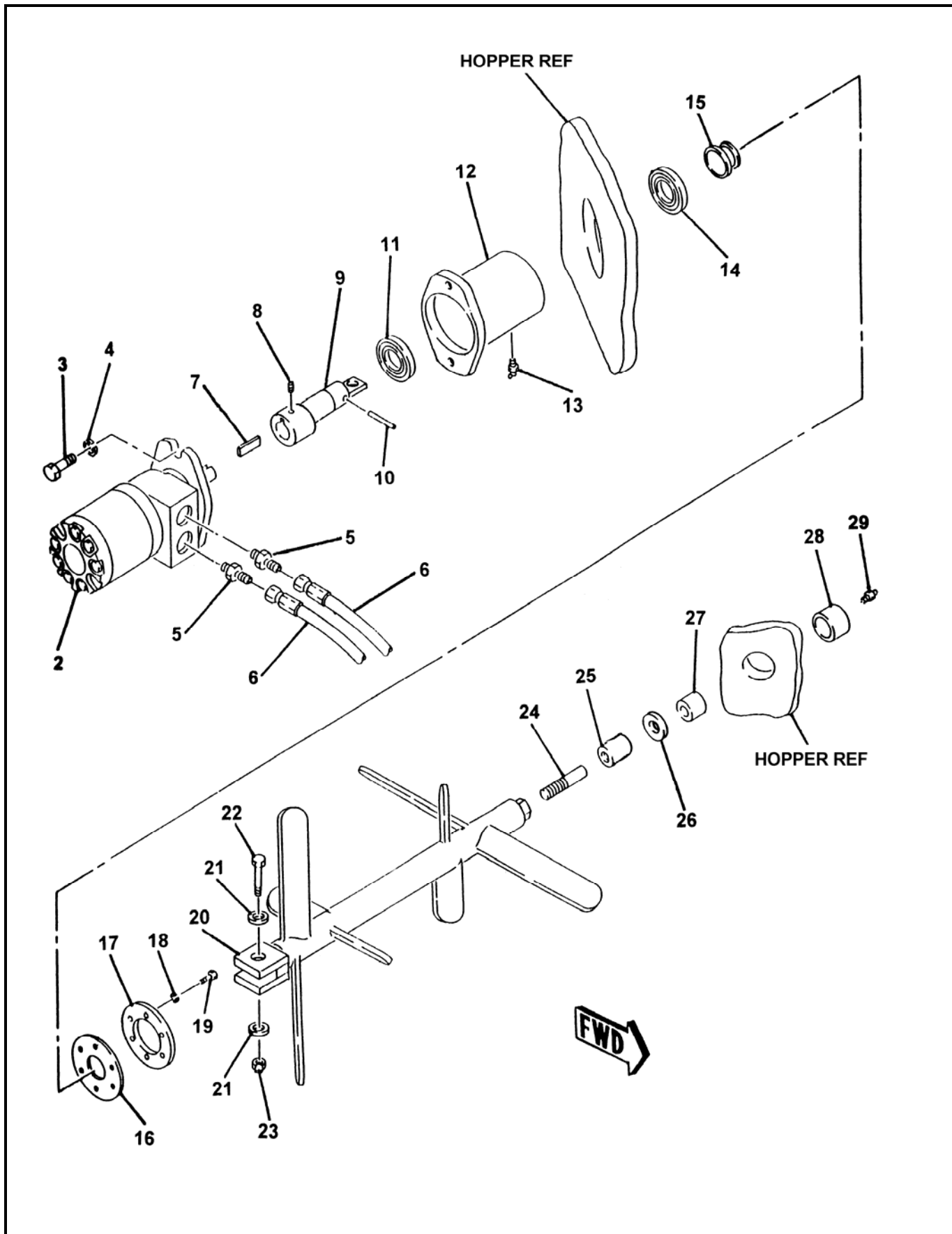
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86542	Assembly, Rounded Clean Out Door (See Group 20, Figure 01 and Figure 02 for NHA)	Ref
2	86922	• Bolt, Shoulder	1
3	-	• OPEN	-
4	86988	• Door, Weldment Clean-Out	1
5	W-102908A	• Cord, Hopper Door O-Ring 2.21 FT	1
6	-	• OPEN	-
7	86560	• Block, 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:

STANDARD HOPPER AGITATOR ASSEMBLY

B20
PARTS
GROUP 20
FIGURE 03
PAGE 01



REVISION:

**STANDARD HOPPER
AGITATOR ASSEMBLY**

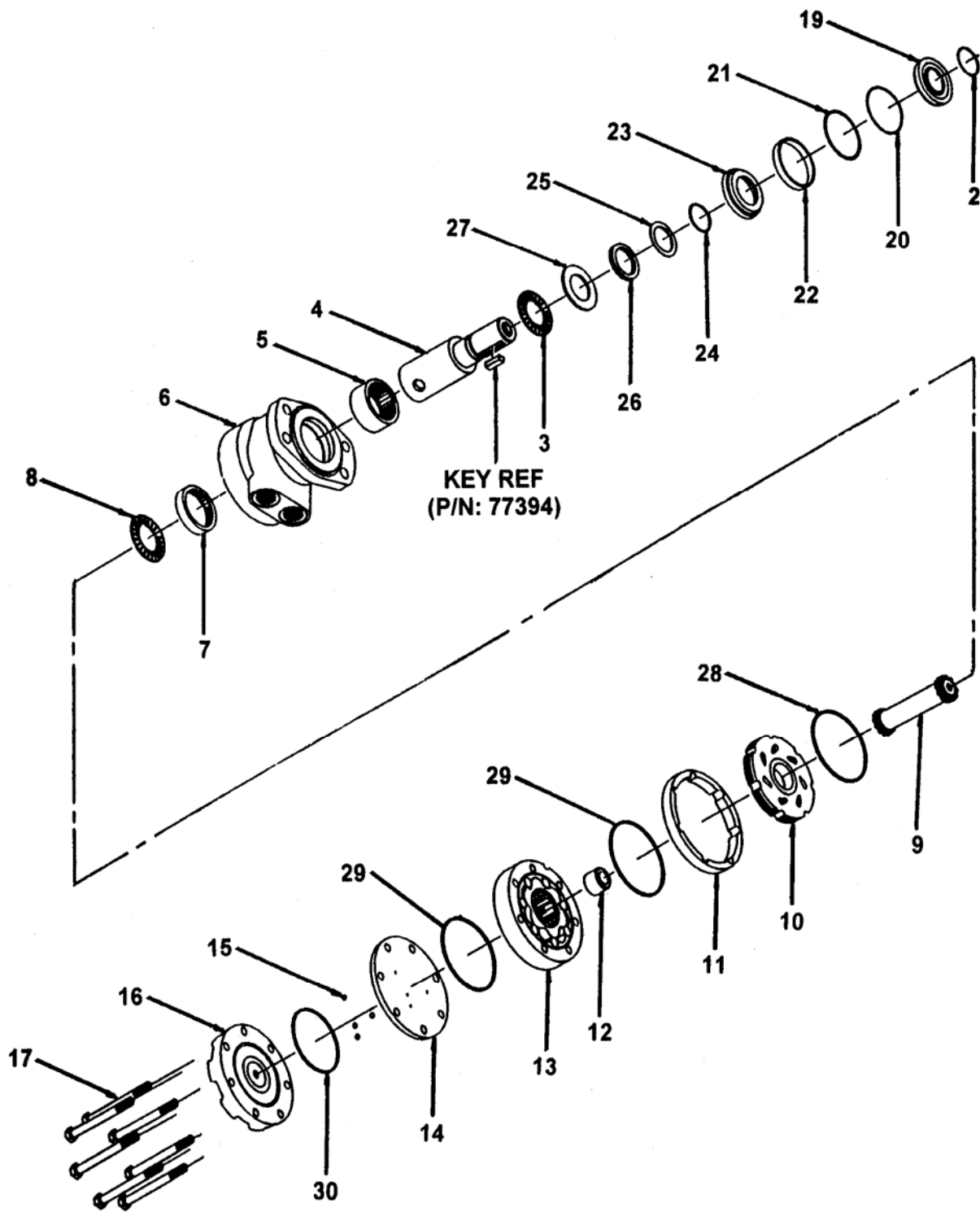
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85761	Assembly, Standard Hopper Agitator (Optional Item) (See Group 20, Figure 01 for NHA)	Ref
2	85811	• Assembly, Standard Hopper Agitator Motor (See Group 20, Figure 07 for DET)	1
3		• Bolt, Hex (attaching parts)	1
4		• Washer, Lock (attaching parts)	2
5		• Fitting, STR	2
6	85658-002	• Assembly, Hose	2
7	30216	• Key	1
8	80374	• Screw, Set	1
9	85923	• Shaft, Agitator	1
10	80298	• Pin, Spring	1
11	85979	• Bearing, with Seal Ball	1
12	70226	• Housing, Bearing with Flange (Welded on Standard Hopper)	1
13	80516	• Fitting, 90 Grease	1
14	85978	• Bearing, Plain Ball	1
15	85976	• Ring, Agitator Wear	1
16	70212	• Seal	1
17	70211	• Flange, Seal	1
18		• Washer, Lock (attaching parts)	6
19		• Bolt, Hex (attaching parts)	6
20	85717	• Weldment, Agitator Shaft	1
21		• Washer, Lock (attaching parts)	2
22	80156	• Screw, Hex Head Cap (attaching parts)	1
23	80019	• Nut (attaching parts)	1
24	70214	• Shaft, Idle	1
25	77877	• Spacer	1
26		• Washer	1
27	70219	• Bearing, Idler	1
28	70210	• Housing, Idler Bearing (Welded on Standard Hopper)	1
29		• Fitting, STR Grease	1
30	85846	• Decal, Agitator	1
33		• DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



STANDARD HOPPER
AGITATOR MOTOR ASSEMBLY

B20
PARTS
GROUP 20
FIGURE 04
PAGE 01



REVISION:

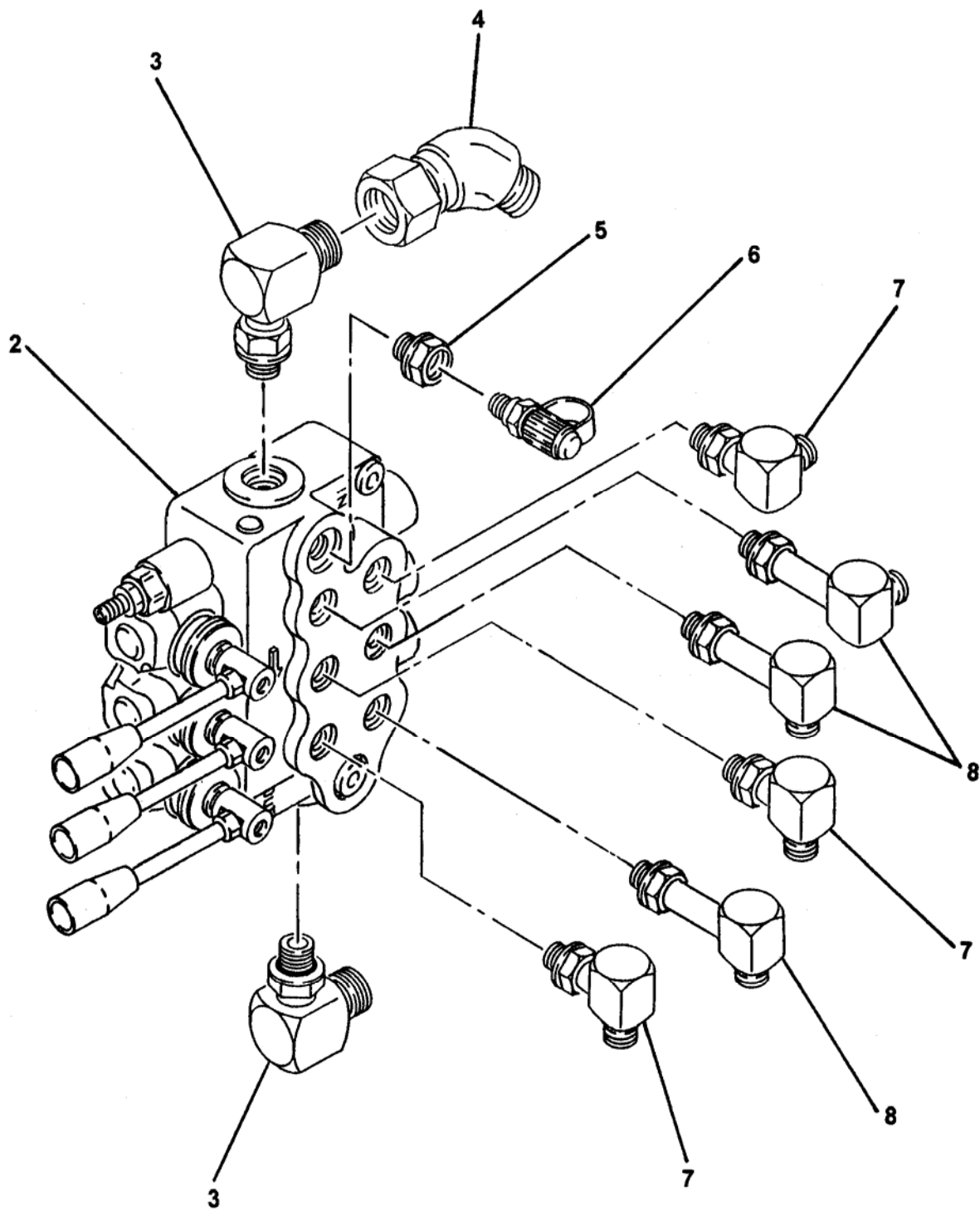
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85811	Assembly, Standard Hopper Agitator Motor (See Group 20, Figure 04 for NHA)	Ref
2		• Ring, Wire	1
3		• Bearing, Front Thrust	1
4		• Kit, Shaft	1
5		• Bearing, Front Housing	1
6		• Kit, Housing	1
7		• Bearing, Rear Housing	1
8		• Bearing, 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	85809SK	• 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	1
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



3 SPOOL CONTROL VALVE ASSEMBLY

B20
PARTS
GROUP 20
FIGURE 05
PAGE 01



REED**3 SPOOL CONTROL VALVE ASSEMBLY****PARTS**

GROUP 20

FIGURE 05

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-08	Assembly, 3 Spool Control Valve (See Group 20, Figure 01 and Figure 02 for NHA)	Ref
2	74471	• Sub-Assembly, Agitator Control Valve (See Group 20, Figure 10 for DET)	1
3		• Fitting, 90	2
4		• Swivel, 45	1
5		• Reducer, 8-6	1
6	800083	• Fitting, Mini Check (Port)	1
7		• Fitting, 90	3
8		• Fitting, 90	3
-9		• Bolt, Hex	2
-10		• Washer, SPL Lock	2

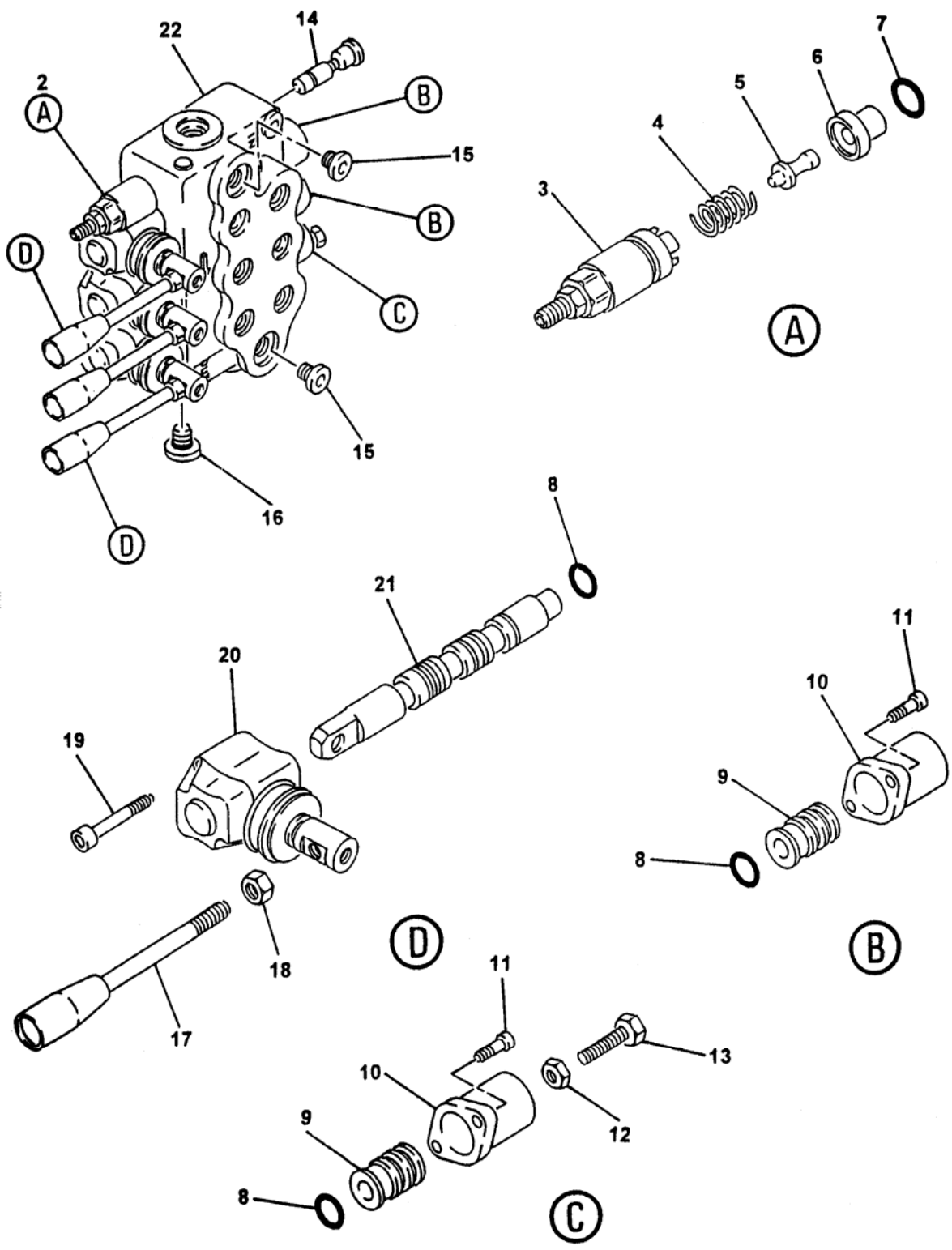
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



3 SPOOL CONTROL
VALVE SUB-ASSEMBLY

B20
PARTS
GROUP 20
FIGURE 06
PAGE 01



REVISION:

**3 SPOOL CONTROL
VALVE SUB-ASSEMBLY****PARTS**

GROUP 20

FIGURE 06

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	74471	Sub-Assembly, 3 Spool Control Valve (See Group 20, Figure 08 for NHA)	Ref
2	85706	• Cartridge, Relief	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
22		• Body, Valve	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



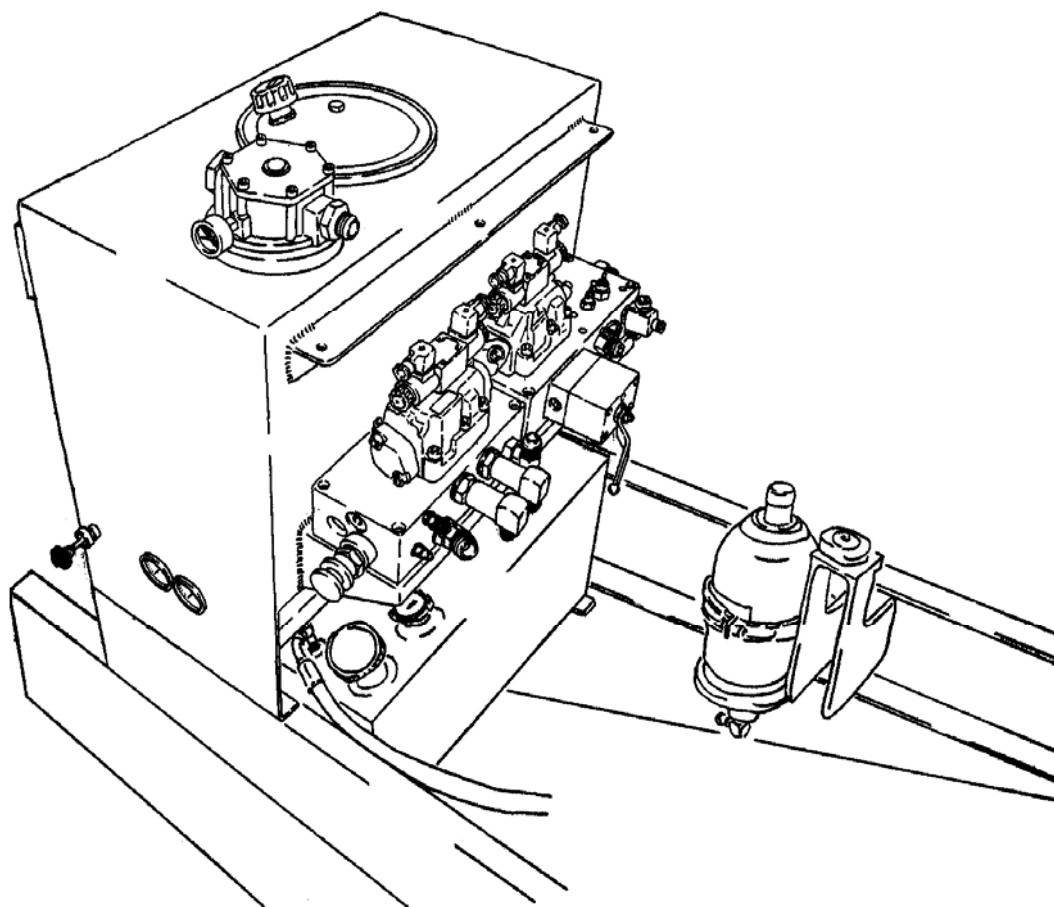
TRAILER MOUNTED PUMP MODEL *B20*
ILLUSTRATED PARTS MANUAL

B20
PARTS
GROUP 20
FIGURE 07
PAGE 01

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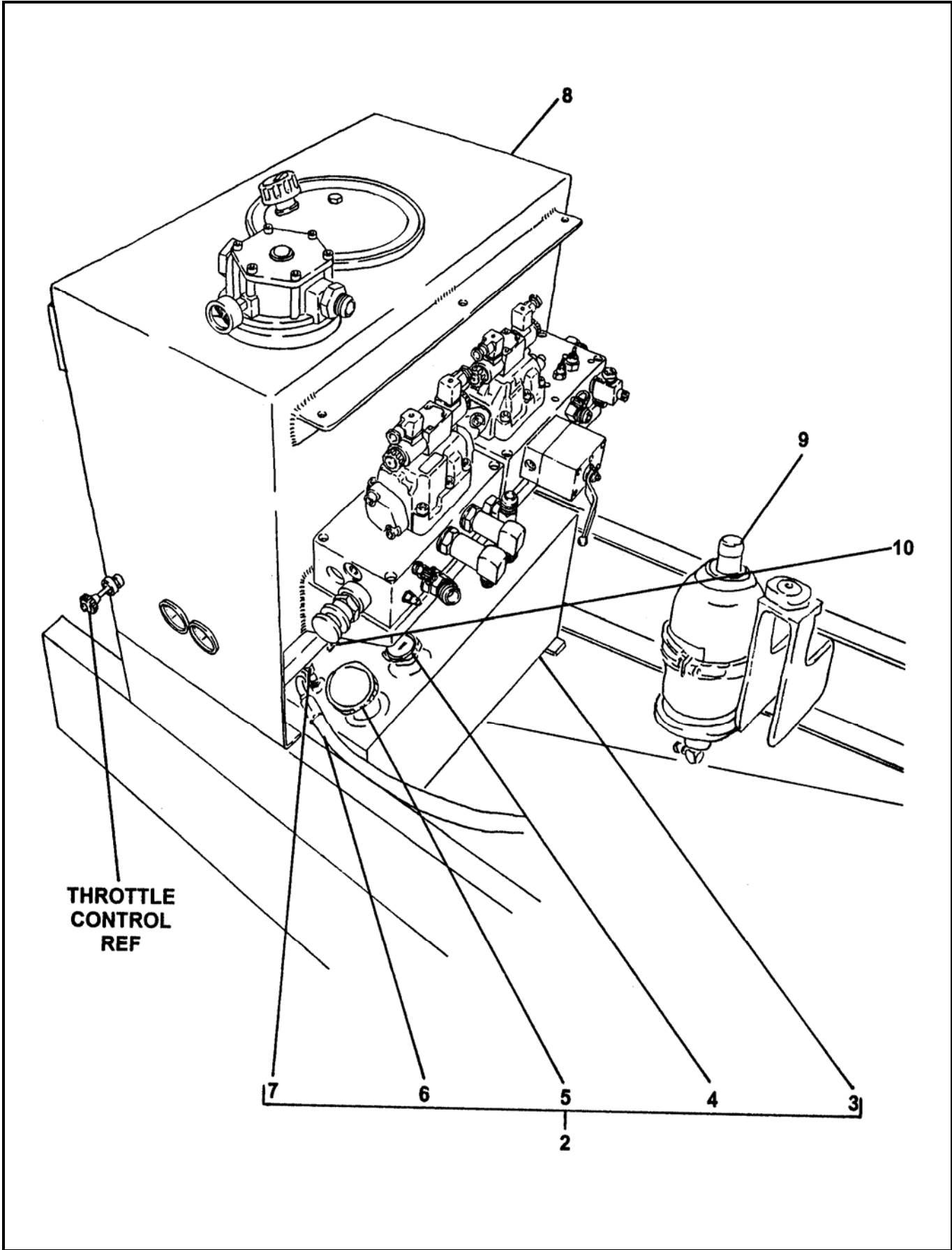
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** TANK INSTALLATION
- FIGURE 02** HYDRAULIC TANK ASSEMBLY
- FIGURE 03** SWING TUBE CIRCUIT MANIFOLD ASSEMBLY
- FIGURE 04** SWING TUBE CIRCUIT MAIN SOLENOID VALVE ASSEMBLY
- FIGURE 05** SWING TUBE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY
- FIGURE 06** BALL VALVE ASSEMBLY
- FIGURE 07** DRIVE CYLINDER CIRCUIT MANIFOLD ASSEMBLY
- FIGURE 08** DRIVE CYLINDER CIRCUIT MAIN SOLENOID VALVE ASSEMBLY
- FIGURE 09** DRIVE CYLINDER CIRCUIT PILOT SOLENOID VALVE ASSEMBLY
- FIGURE 10** ACCUMULATOR ASSEMBLY
- FIGURE 11** ACCUMULATOR BLADDER REPAIR KIT





TANK INSTALLATION

B20
PARTS
GROUP 30
FIGURE 01
PAGE 01



REVISION:



TANK INSTALLATION

B20
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, 02, 03 and 04 for NHA)	Ref
2	85363	• Assembly, Fuel Tank	1
3	85111	• • Weldment, Fuel Tank	1
4	85569	• • Gauge, Fuel	1
5	85570	• • Cap, Fuel	1
6	85362	• • Assembly, Fuel Pick Up Tube	2
7		• • Elbow, 90	2
8	85361	• Assembly, Hydraulic Tank (See Group 30, Figure 02 for DET)	1
9	30-10	• Assembly, Accumulator (See Group 30, Figure 10 for DET)	1
10	85815	• Valve, Solenoid	1
-11	85701	• • Cartridge, Solenoid Valve	1
-12	85702	• • Coil, 12 VDC	1
-13	74716	• Hose, 6 Feet Fuel	1
-14	10577	• Clamp, Fuel Hose	2
-15	86365	• Kit, Hose (See SCHEMATIC Section, Page 05 for DET)	1

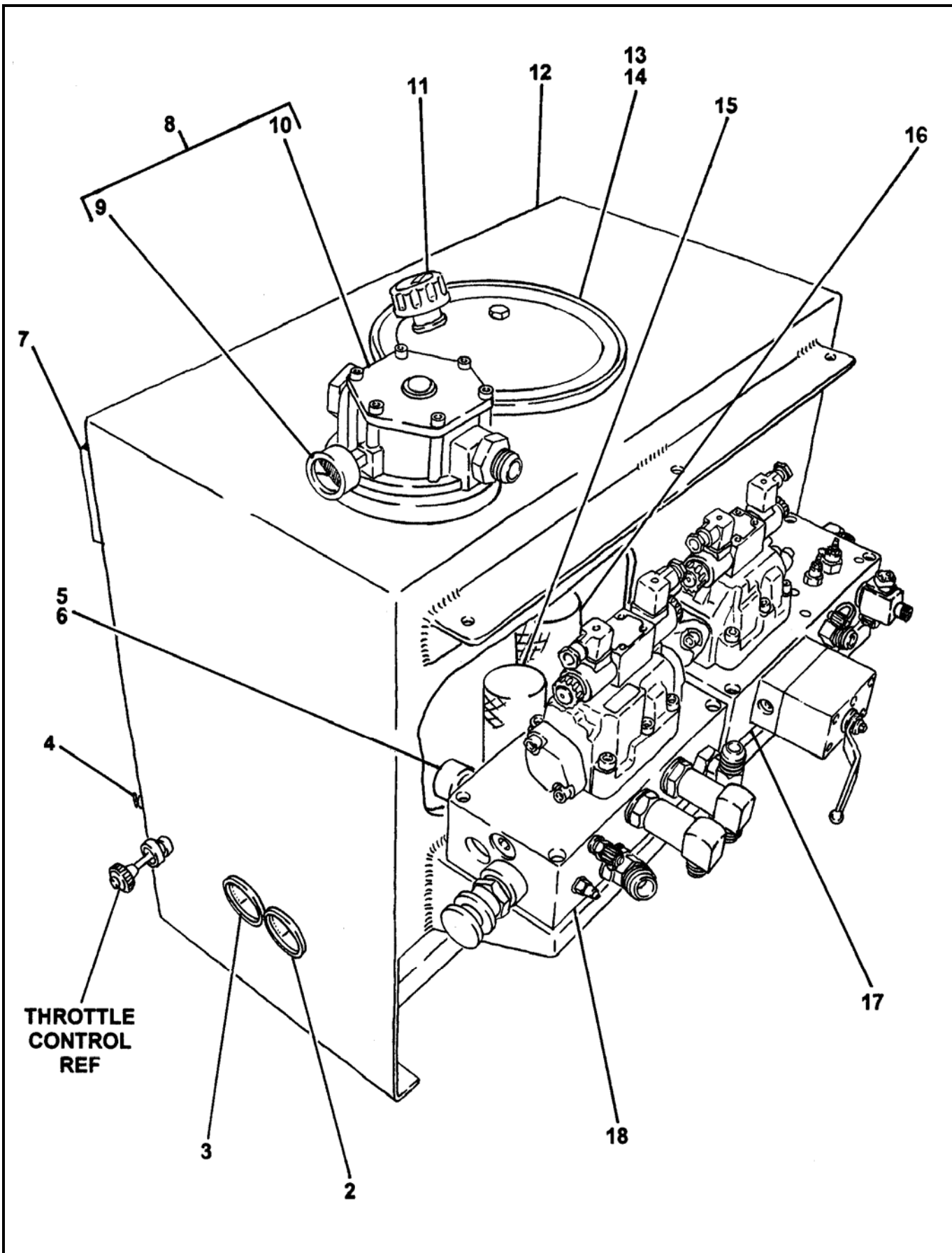
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



HYDRAULIC TANK ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 02
PAGE 01



REVISION:



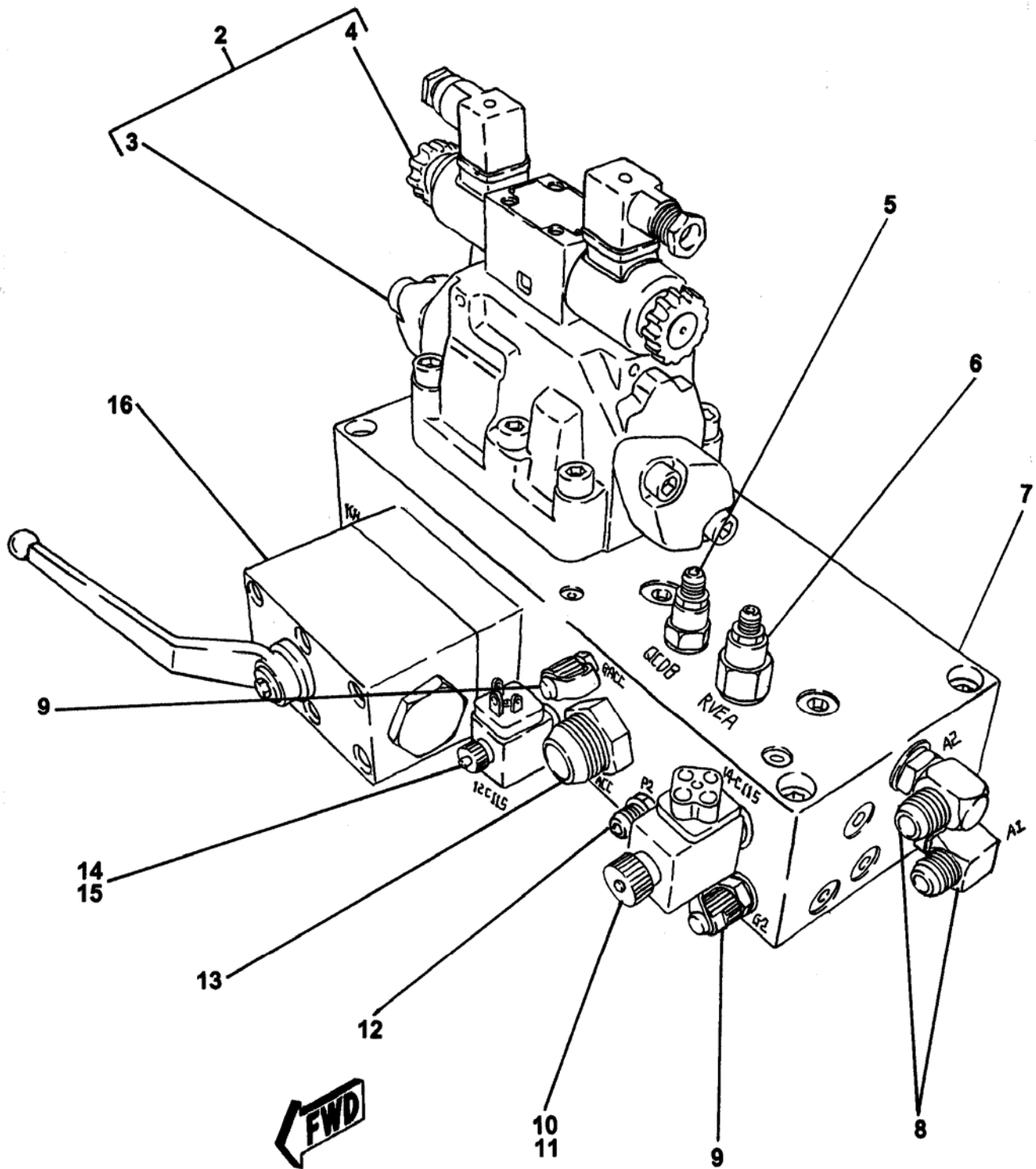
HYDRAULIC TANK ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 02
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85361	Assembly, Hydraulic Tank (See Group 30, Figure 01 for NHA)	Ref
2	70366	• Gauge, 3,000 PSI Hydraulic	1
3	74562	• Gauge, 6,000 PSI Hydraulic	1
4	801025	• Cock, Drain	1
5	85574	• Valve, 2 Inch Check	1
6	10981	• Nipple, 2 Inch	1
7	74509	• Gauge, Sight	1
8	85282	• Filter, Return	1
9	85575	• • Gauge, Return Filter	1
10	85283	• • Element, Return Filter	1
11	85537	• Filler, Breather	1
12	85102	• Weldment, Hydraulic Tank	1
13	85824	• • End Cover, Hydraulic Tank	1
14	85867	• • Gasket, End Cover	1
15	79247	• Separator, Magnetic	1
16	800230	• Separator, Magnetic	1
17	85249	• Assembly, Swing Tube Circuit Manifold (See Group 30, Figure 03 for DET)	1
18	85248	• Assembly, Drive Cylinder Circuit Manifold (See Group 30, Figure 07 for DET)	1
-19	78598	• Plug, Hoffman	A/R

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



**SWING TUBE
CIRCUIT MANIFOLD ASSEMBLY**

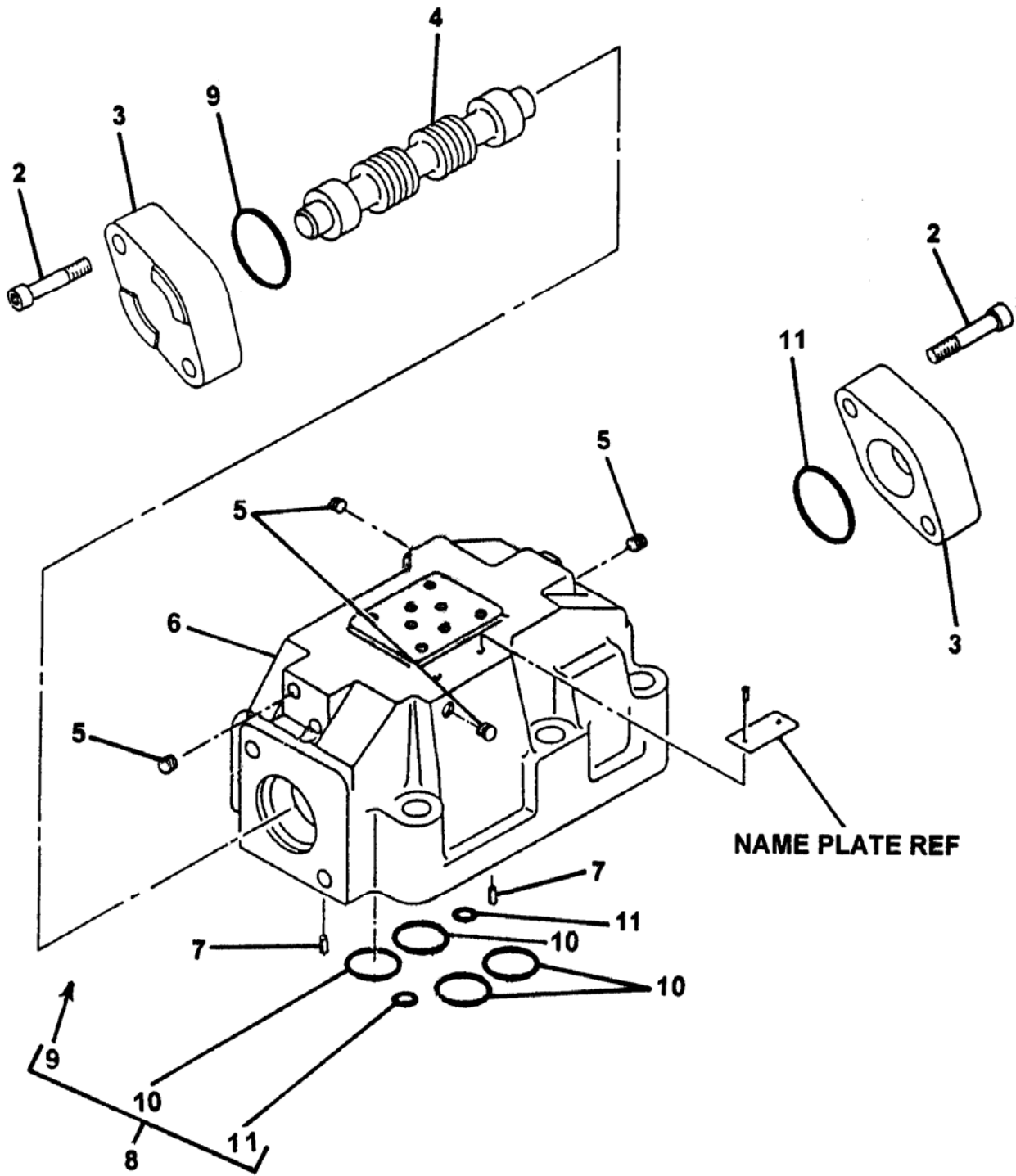
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85249	Assembly, Swing Tube Circuit Manifold (See Group 30, Figure 02 for NHA)	Ref
2	85693	• Assembly, Swing Tube Circuit Solenoid Valve	1
3	85694	• • Assembly, Swing Tube Circuit Main Solenoid Valve (See Group 30, Figure 04 for DET)	1
4	85695	• • Assembly, Swing Tube Circuit Pilot Solenoid Valve (See Group 30, Figure 05 for DET)	1
5	85704	• Cartridge, Unloader Valve	1
-5A	85704SK	• • Kit, Unloader Valve Cartridge Seal	1
6	85703	• Cartridge, Relief Valve	1
-6A	85703SK	• • Kit, Relief Valve Cartridge Seal	1
7		• Body, Swing Tube Circuit Manifold	1
8		• Elbow, 90	2
9	78593	• Port, Mini Check	2
10	85701	• Cartridge, SV4 Solenoid Valve	1
11	85702	• • Coil, SV4 Solenoid Valve Cartridge	1
12		• Fitting, STR	1
13		• Fitting, STR	1
14	85699	• Cartridge, SV3 Solenoid Valve	1
15	85700	• • Coil, SV3 Solenoid Valve Cartridge	1
16	85705	• Assembly, Ball Valve (See Group 30, Figure 06 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED



SWING TUBE CIRCUIT
MAIN SOLENOID VALVE ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 04
PAGE 01





SWING TUBE CIRCUIT MAIN SOLENOID VALVE ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 04
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85694	Assembly, Swing Tube Circuit Main Solenoid Valve (See Group 30, Figure 03 for NHA)	Ref
2		• Screw, SOC	4
3		• Cover	2
4		• Spool	1
5		• Plug	4
6		• Housing, Cartridge	1
7		• Pin, Grooved	2
8	74994	• Kit, Seal	1
9		• • O-Ring	2
10		• • O-Ring	4
11		• • O-Ring	2

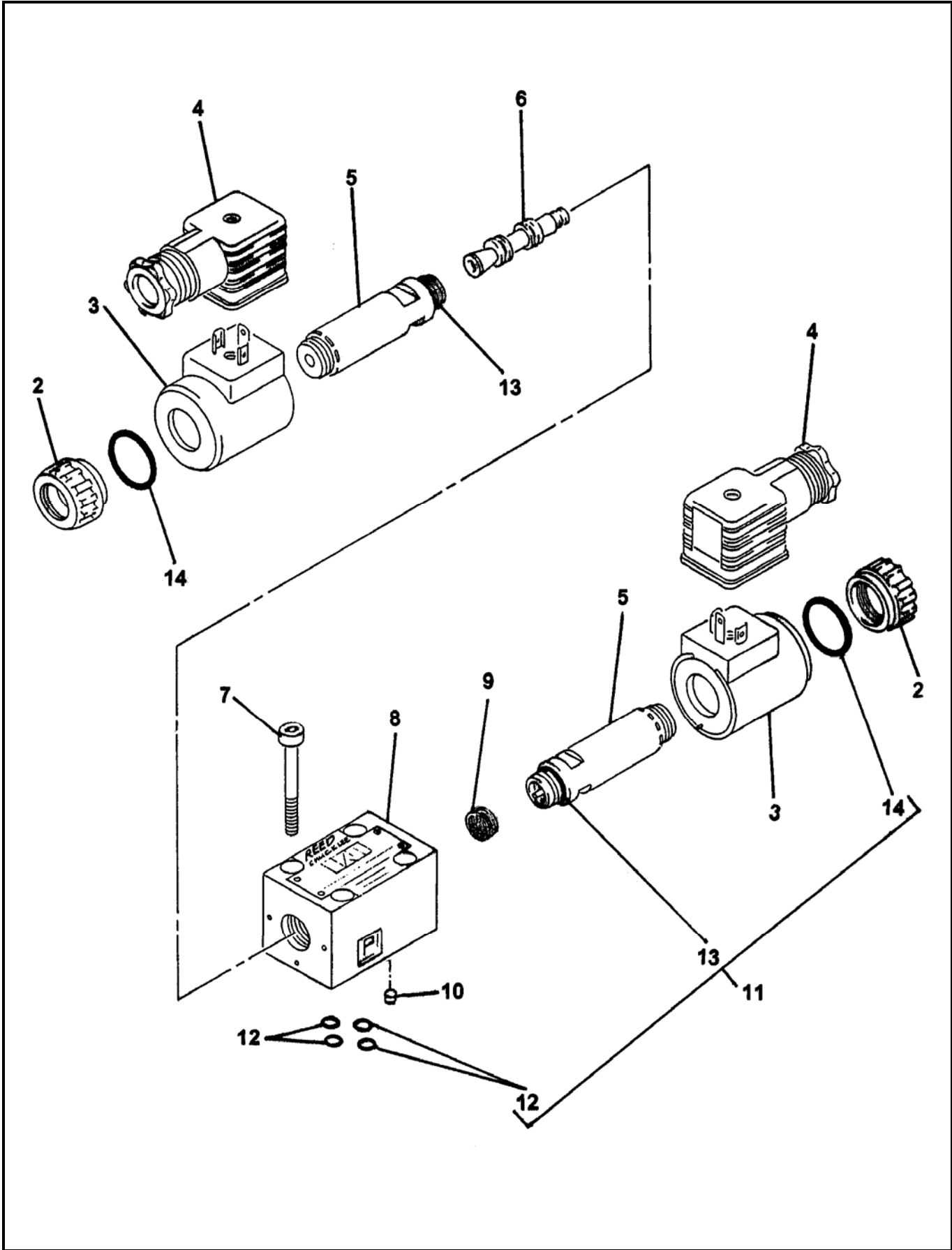
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



SWING TUBE CIRCUIT
PILOT SOLENOID VALVE ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 05
PAGE 01



REVISION:



SWING TUBE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 05
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85695	Assembly, Swing Tube Circuit Pilot Solenoid Valve (See Group 30, Figure 03 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

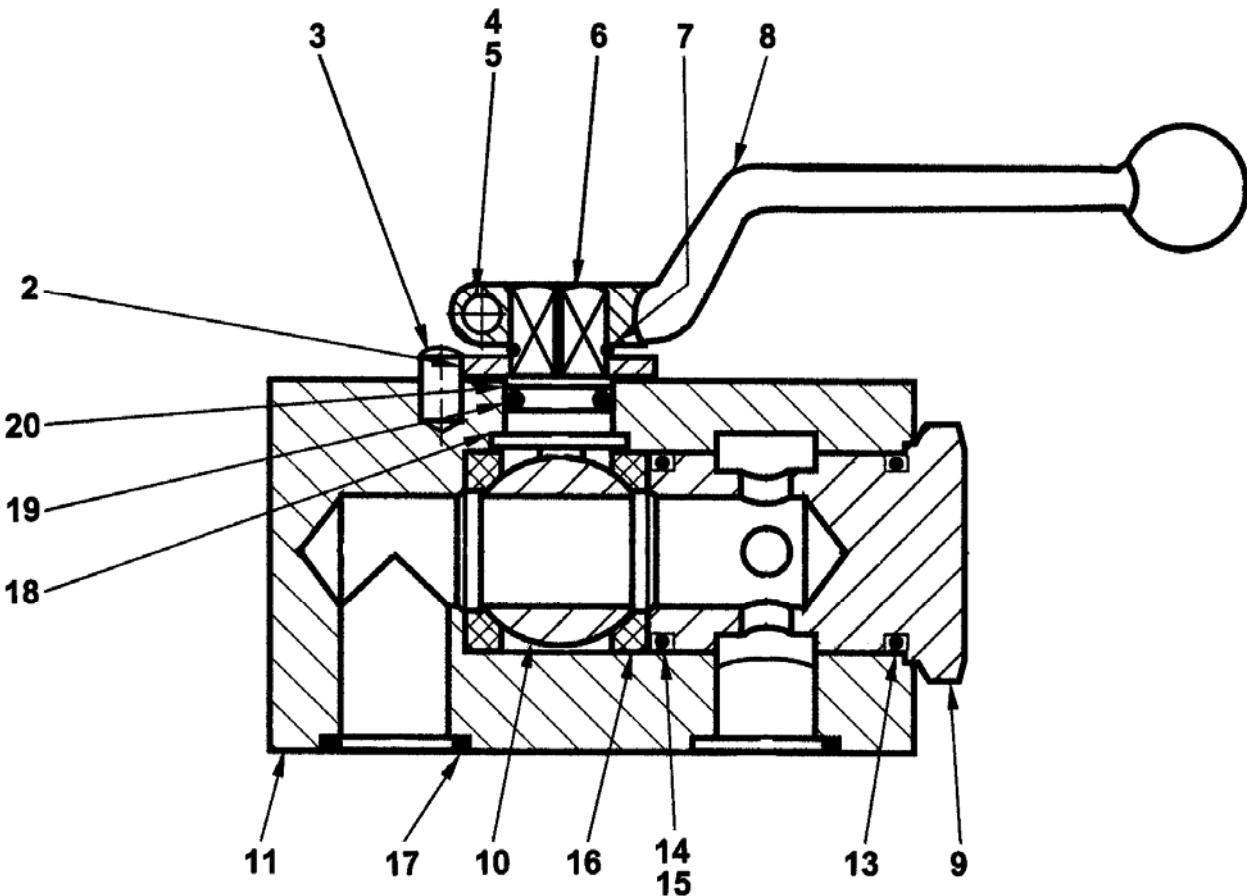
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



BALL VALVE ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 06
PAGE 01



REVISION:



BALL VALVE ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 06
PAGE 02

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85705	Assembly, Ball Valve (See Group 30, Figure 03 for NHA)	Ref
2		• Washer, Limit	1
3		• Pin, Stop	1
4		• Bolt, Hex	1
5		• Nut, Hex	1
6		• Handle, Control	1
7		• Spindle, Control	1
8		• Retainer, Spring	1
9		• Plug	1
10		• Ball	1
11		• Housing	1
-12		• Kit, Seal	1
13		• • O-Ring	1
14		• • O-Ring	1
15		• • Ring, Back Up	1
16		• • Seal, Bowl	2
17		• • O-Ring	1
18		• • Washer, Thrust	1
19		• • O-Ring	1
20		• • Ring, Back Up	1

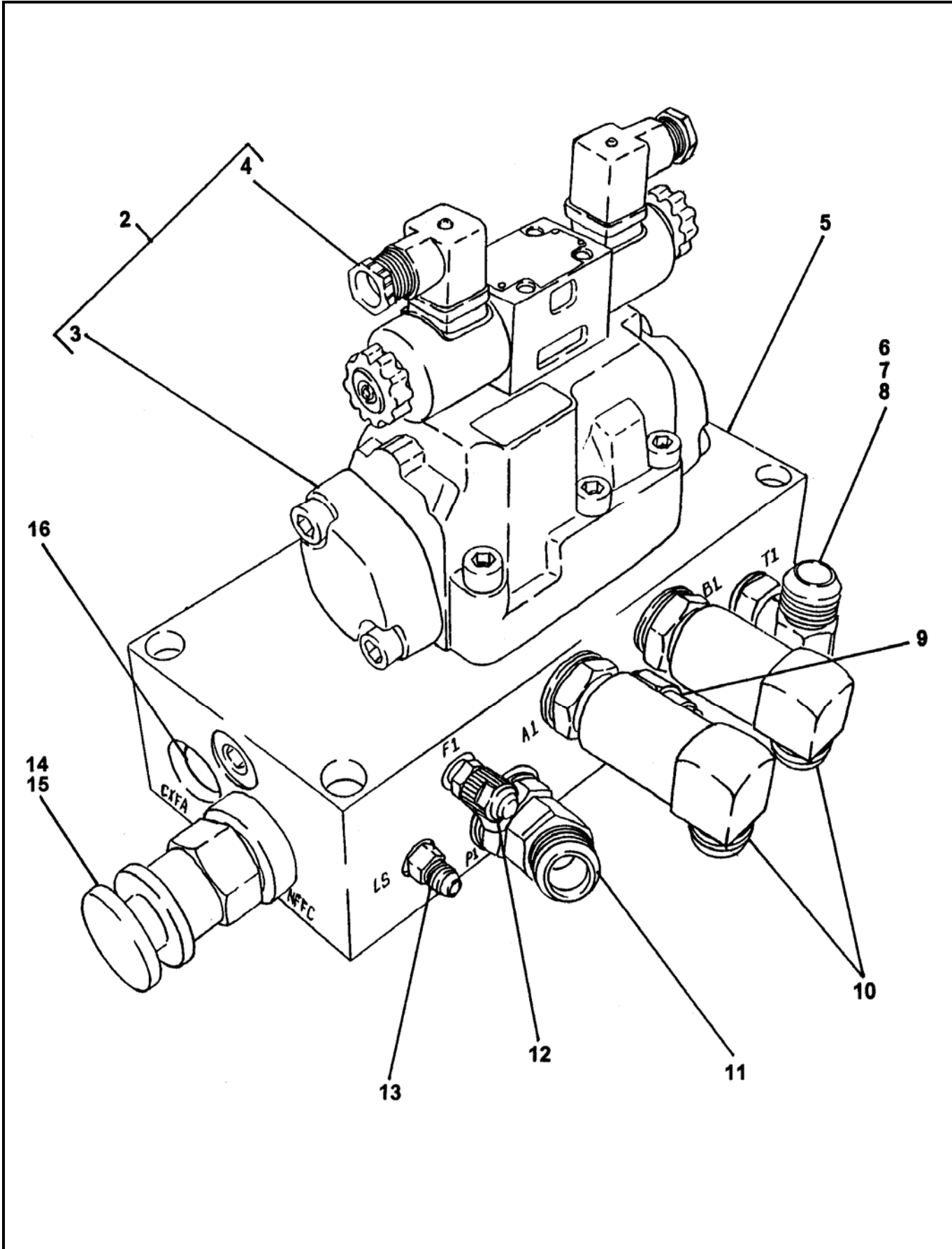
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



DRIVE CYLINDER
CIRCUIT MANIFOLD ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 07
PAGE 01



REVISION:



DRIVE CYLINDER CIRCUIT MANIFOLD ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 07
PAGE 02

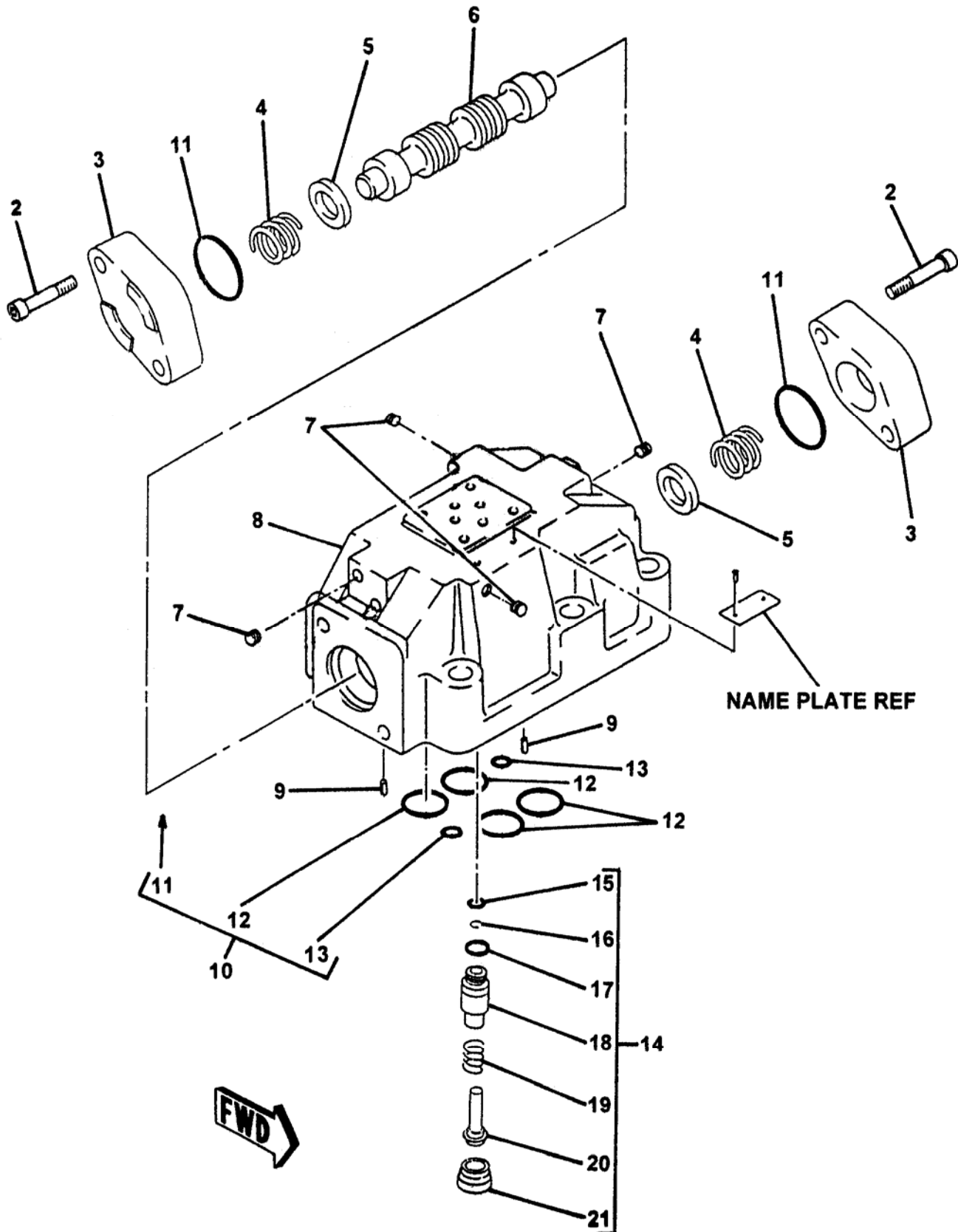
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85248	Assembly, Drive Cylinder Circuit Manifold (See Group 30, Figure 02 for NHA)	Ref
2	85689	• Assembly, Drive Cylinder Circuit Solenoid Valve	1
3	85690	• • Assembly, Drive Cylinder Circuit Main Solenoid Valve (See Group 30, Figure 08 for DET)	1
4	85691	• • Assembly, Drive Cylinder Circuit Pilot Solenoid Valve (See Group 30, Figure 09 for DET)	1
5		• Body, Drive Cylinder Circuit Manifold	1
6		• Tee	1
7		• Reducer	1
8		• Plug	1
9	85696	• Cartridge, Relief Valve	1
10		• Elbow, 90	2
11		• Elbow, 45	1
12	78593	• Port, Mini Check	1
13		• Fitting, STR	1
14	85697	• Cartridge, Flow Control Valve	1
15	85697SK	• • Kit, Flow Control Valve Cartridge Seal	1
16	85698	• Cartridge, Check Valve	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

DRIVE CYLINDER CIRCUIT MAIN SOLENOID VALVE ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 08
PAGE 01



**DRIVE CYLINDER CIRCUIT
MAIN SOLENOID VALVE ASSEMBLY**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85690	Assembly, Drive Cylinder Circuit Main Solenoid Valve (See Group 30, Figure 07 for NHA)	Ref
2		• Screw, SOC	4
3		• Cover	2
4		• Spring, Compression	2
5		• Plate, Spring	2
6		• Spool	1
7		• Plug	4
8		• Housing, Cartridge	1
9		• Pin, Grooved	2
10	74994	• Kit, Seal	1
11		• • O-Ring	2
12		• • O-Ring	4
13		• • O-Ring	2
14	73147	• Sub-Assembly, Pilot Pressure Valve	1
15		• • O-Ring	1
16		• • Circlip	1
17		• • O-Ring	1
18		• • Sleeve	1
19		• • Spring, Compression	1
20		• • Cone	1
21		• • Valve, Seat	1

DASH (-) ITEM NOT ILLUSTRATED



SWING TUBE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 09
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85691	Assembly, Drive Cylinder Circuit Pilot Solenoid Valve (See Group 30, Figure 07 for NHA)	Ref
2		• Cap, Coil	2
3	85692	• Coil, Drive Cylinder Circuit Main Solenoid	2
4	74597	• Connector, Plug	2
5		• Amature	2
6		• Spring	2
7		• Plate, Spring	2
8		• Spool	1
9		• Screw, SOC	4
10		• Housing, Solenoid Valve	1
11	72313	• Kit, O-Ring	1
12		• • O-Ring	4
13		• • O-Ring	2
14		• • O-Ring	2

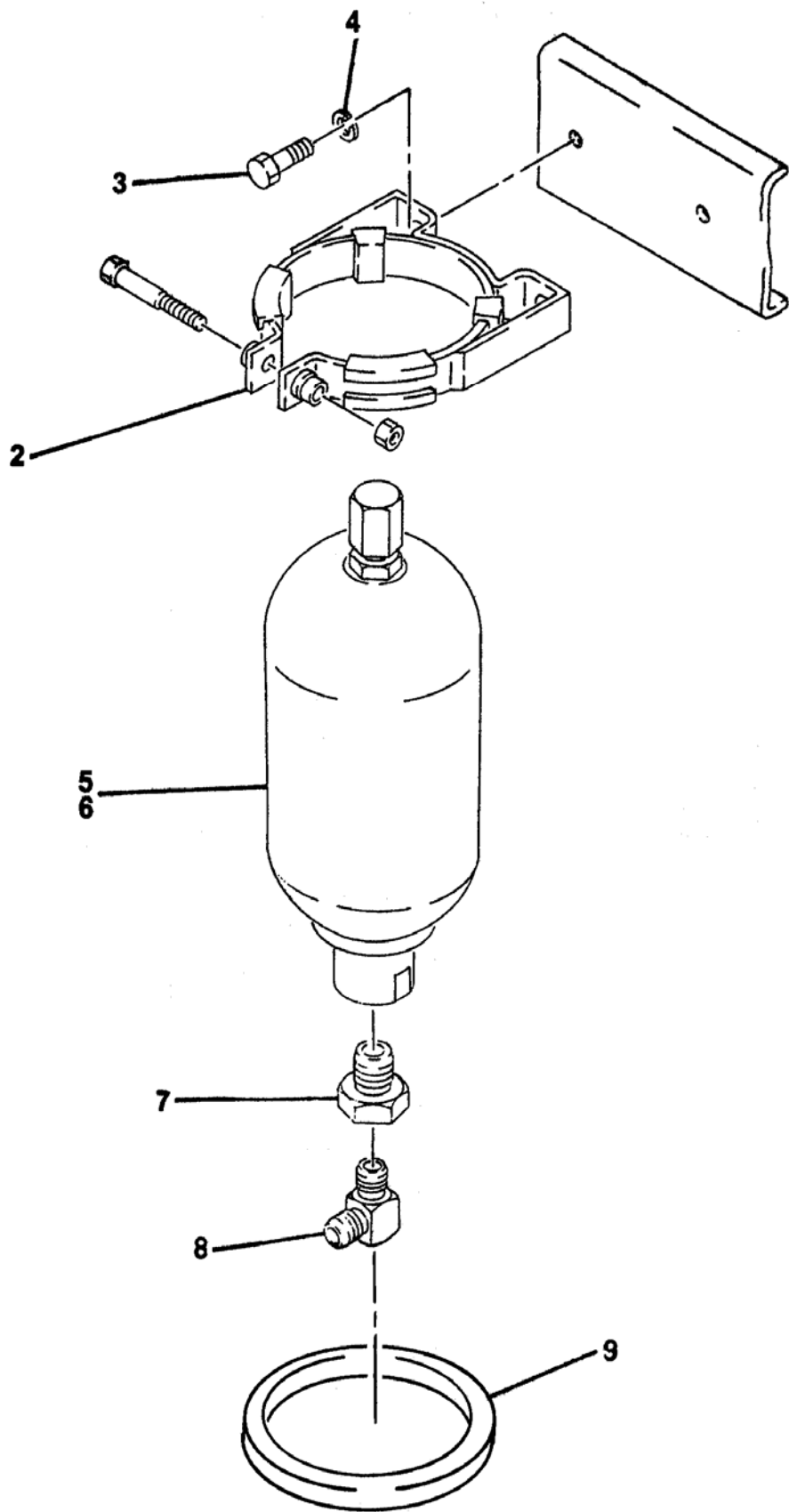
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



ACCUMULATOR ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 10
PAGE 01





ACCUMULATOR ASSEMBLY

B20
PARTS
GROUP 30
FIGURE 10
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	30-10	Assembly, Accumulator (See Group 30, Figure 01 for NHA)	Ref
2	73171	• Bracket, Accumulator	1
3		• Bolt, Hex (attaching parts)	2
4		• Washer, Lock (attaching parts)	2
5	74515	• Accumulator, 1 Gal	1
6	30-11	• Kit, Bladder Repair (See Group 30, Figure 11 for REF)	1
7		• Reducer	1
8		• Elbow, 90	1
9	801028	• Grommet, Accumulator	1
-10	71460	• Kit, Accumulator Charge (See Group 80, Figure 07 for REF)	Ref

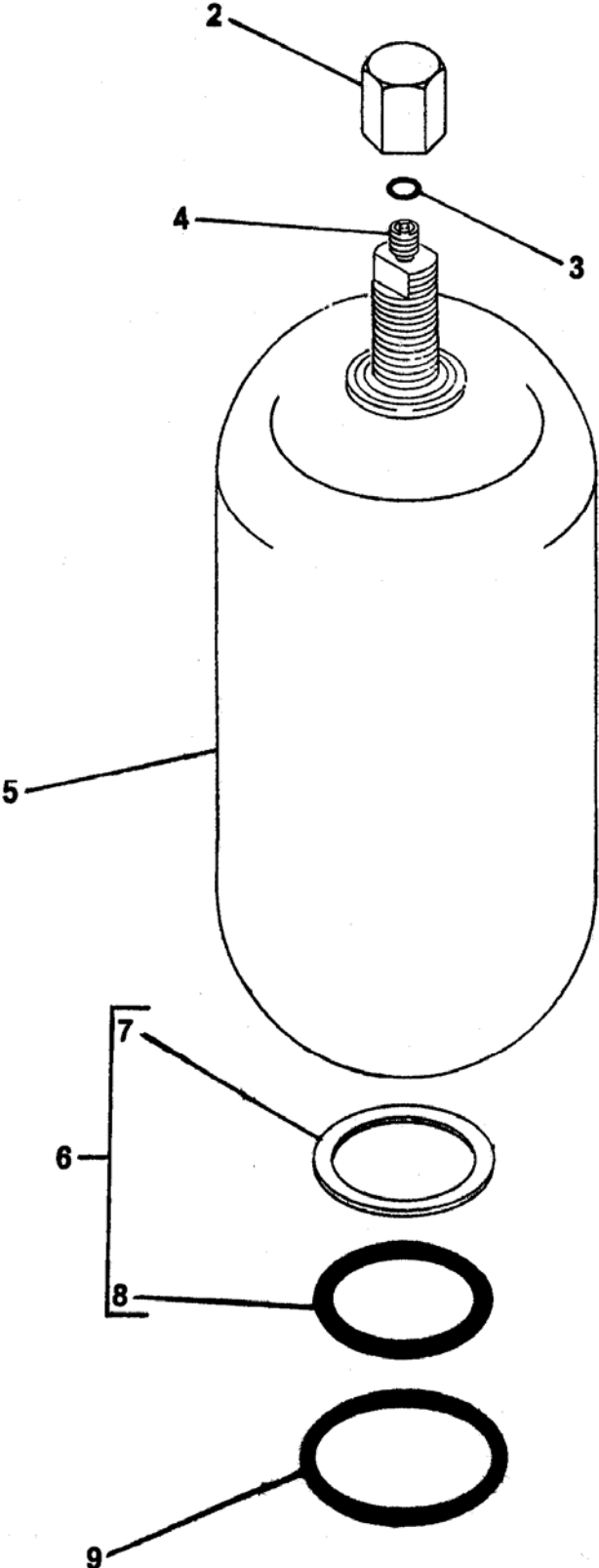
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



ACCUMULATOR
BLADDER REPAIR KIT

B20
PARTS
GROUP 30
FIGURE 11
PAGE 01





ACCUMULATOR BLADDER REPAIR KIT

B20
PARTS
GROUP 30
FIGURE 11
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	30-11	Kit, Bladder Repair (Also See Group 30, Figure 10 for NHA)	Ref
2		• Cap, Valve Seal	1
3		• O-Ring	1
4		• Core, Gas Valve	1
5	74516	• Bladder, 1 Gal	1
6	85812	• Kit, Bladder Seal	1
7		• • Ring, Flat	1
8		• • O-Ring	1
9		• Ring, Back Up	1

DASH (-) ITEM NOT ILLUSTRATED

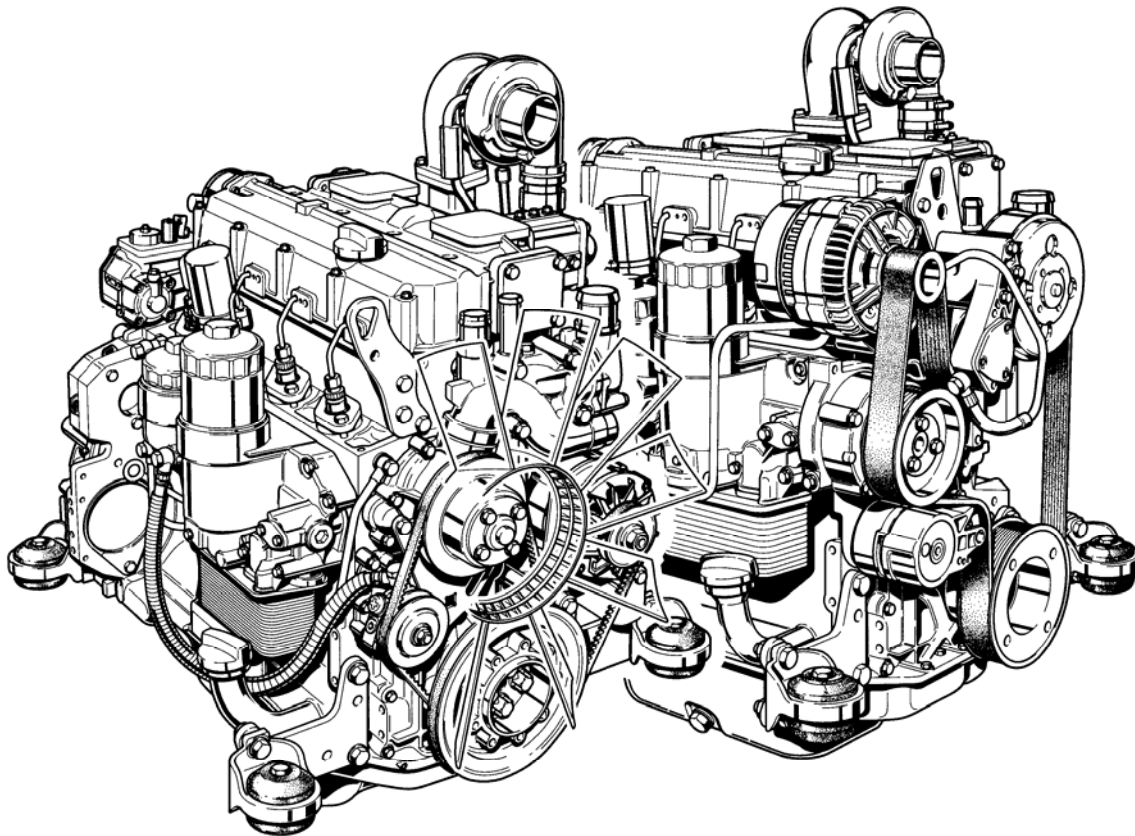
REVISION:



TRAILER MOUNTED PUMP MODEL *B20*
ILLUSTRATED PARTS MANUAL

B20
PARTS
GROUP 30
FIGURE 12
PAGE 01

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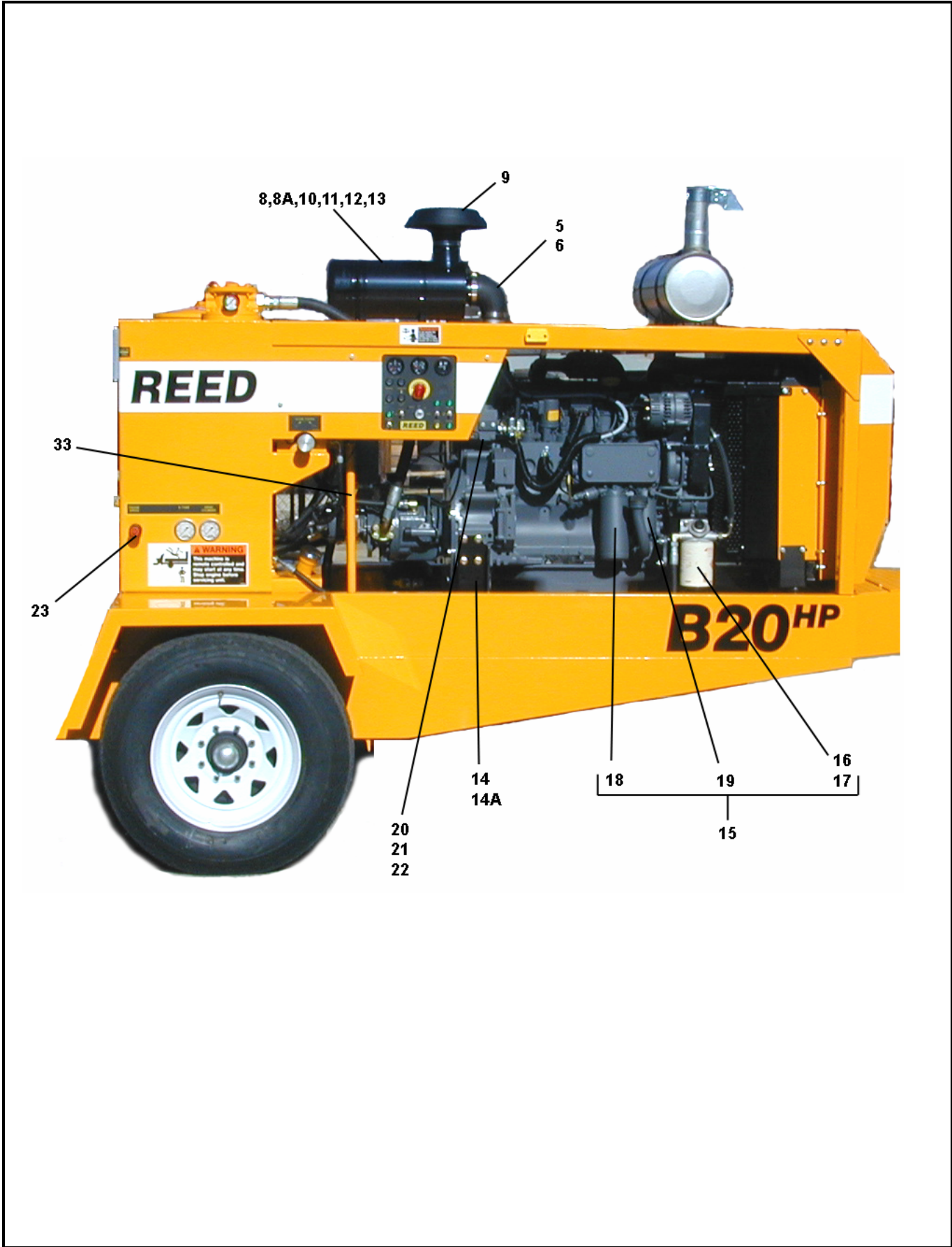
REED TRAILER MOUNTED CONCRETE PUMP **03** MODEL **B20** ILLUSTRATED
PARTS MANUAL GROUP 40 POWER TRAIN INSTALLATION CONTAINS THE
FOLLOWING FIGURES:

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



POWER TRAIN INSTALLATION

B20
PARTS
GROUP 40
FIGURE 01
PAGE 01



REVISION:



POWER TRAIN INSTALLATION

B20
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, 02, 03 and 04 for NHA)	Ref
2	40-02	• Assembly, Main and Auxiliary Pumps (See Group 40, Figure 02 for DET)	1
3	87187	• Elbow, 3 Inch Rubber	1
-4	87212	• Bracket, Fuel Filter Mount	1
5	87188	• Elbow, Reducer	1
6	74461	• Clamp	4
7	10577	• Clamp, Hose	2
8	87190	• Cleaner, Air	1
8A	87241	• • Element, Air Cleaner	1
9	87189	• Hood, Inlet	1
10	78193	• Band, Mounting	2
11	87242	• Nut, Wing	1
-11A	85348	• Switch, 12 VDC Solenoid	1
12	87243	• Cap, Dust	1
13	87244	• Valve, Vacuator	1
14	BW10270	• Mount, Engine	4
14A	BW10267	• Washer, Fender 3/4"	4
15	87143	• Assembly, Engine (See Vendor Section, Figure 01 for REF)	1
16	87245	• • Element, Water Separator Filter	1
17	74716	• • Hose, 7 Feet Fuel	1
18	74500	• • Element, Oil Filter	1
19	87239	• • Element, Fuel Filter	1
20	87192	• Bracket, Solenoid Support	1
21	78202	• Coupler, Throttle Cable	1
22	72294	• Bolt, Throttle Control	1
23	78201	• Cable, Throttle Control	1
33	85426	• Tube, Hydraulic Cylinders	2

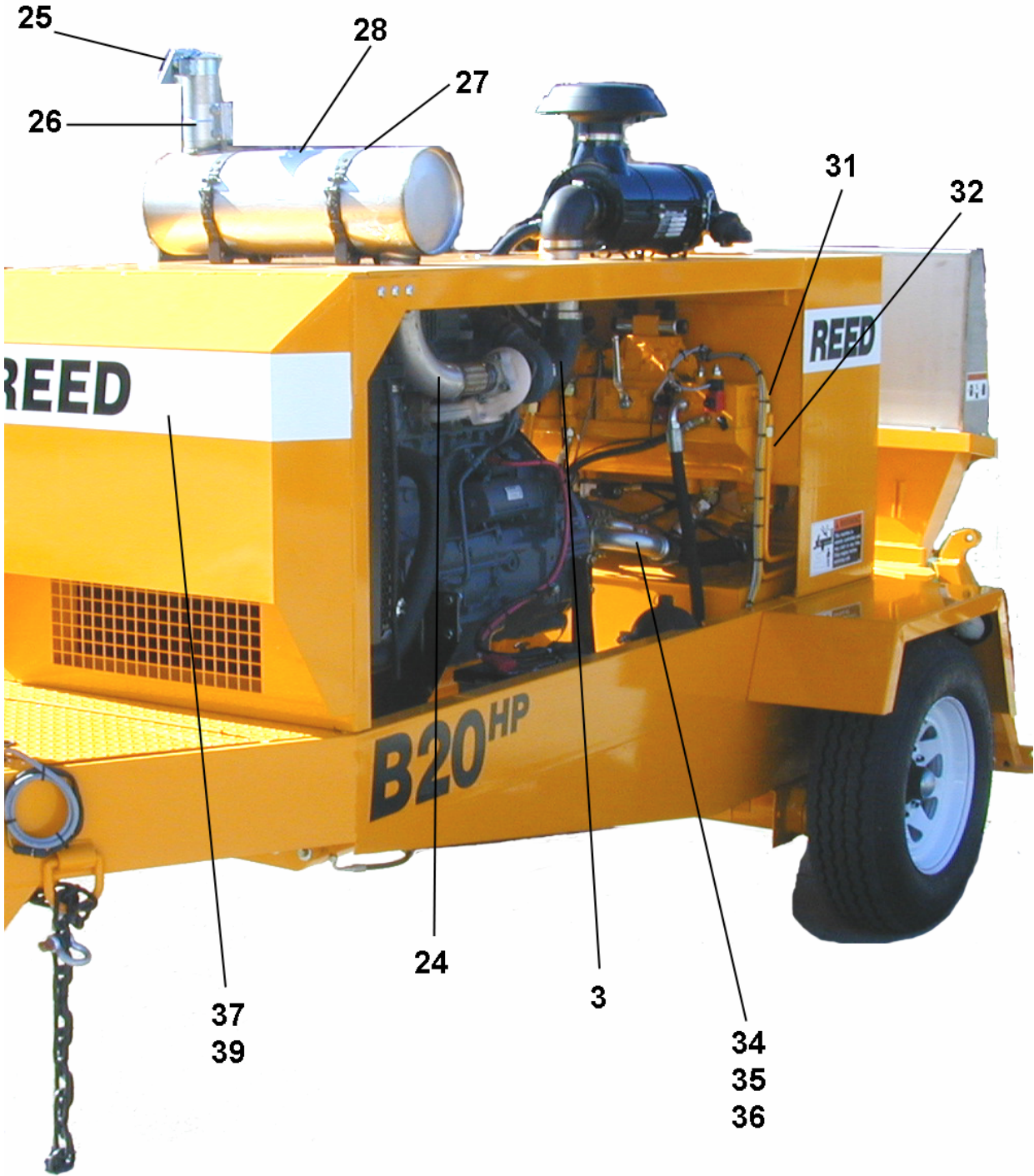
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



POWER TRAIN INSTALLATION

B20
PARTS
GROUP 40
FIGURE 01
PAGE 03



REVISION:



POWER TRAIN INSTALLATION

B20
PARTS
GROUP 40
FIGURE 01
PAGE 04

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
24	87208	• Elbow, Exhaust Weldment	1
25	73475	• Cap, Rain-3"	1
26	87198	• Clamp-3"	1
27	87199	• Band, Air Cleaner Mounting	2
28	87197	• Muffler, Exhaust	1
-29	73269	• Strap, Ground	1
30	77258	• Clamp	1
31	85429	• Tube, Hydraulic Shift Cylinder	1
32	85428	• Tube, Hydraulic Shift Cylinder	1
33	85426	• Tube, Hydraulic Cylinders	2
34	85661-003	• Hose, Main Pump Suction	1
35	74310	• Clamp, Severe Service	4
36	85732	• Adapter, Suction	1
37	BW10277	• Cooler, Oil	1
38	40-06	• Assembly, Battery Mounting (See Group 40, Figure 06 for DET)	1
39	87164	• Ring, Air intake	1
-40	86728-025	• Elbow-MB-MJ90-20-16	2
-41	81002	• Fitting-MB-MJ-8-10	1
-42	86911-008	• Stem 2" 90 32C4-39FL90	2
-43	85264-006	• Split Flange Code 61 32 SAE	2
-44	87162	• Bracket, Cooler Mount-LH	1
-45	87163	• Bracket, Cooler Mount-RH	1
-46	87194	• Assembly, Engine Wiring Harness (See Schematic Section, Page 11 for REF)	1

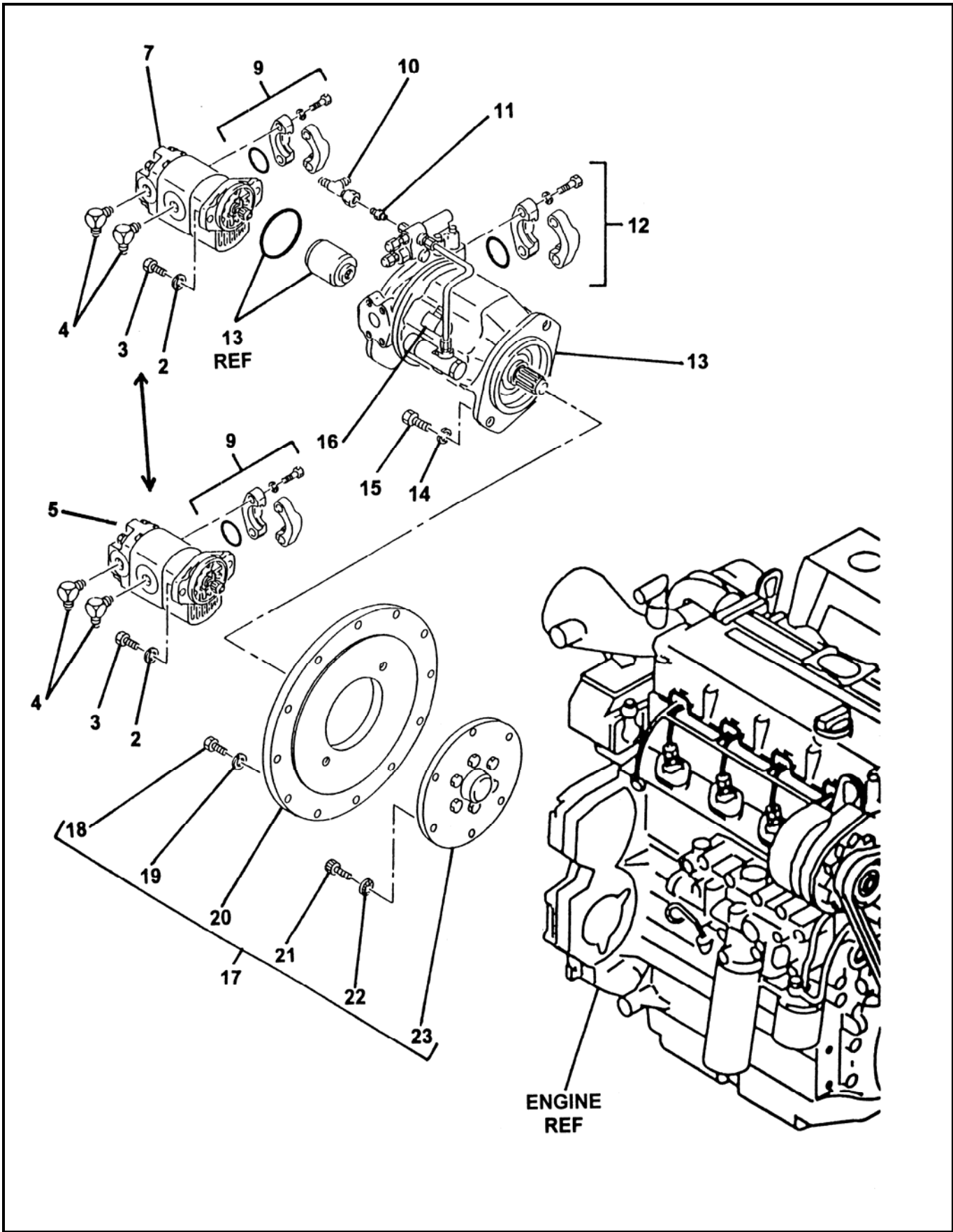
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



HYDRAULIC PUMPS ASSEMBLY

B20
PARTS
GROUP 40
FIGURE 02
PAGE 01



REVISION:



HYDRAULIC PUMPS ASSEMBLY

B20
PARTS
GROUP 40
FIGURE 02
PAGE 02

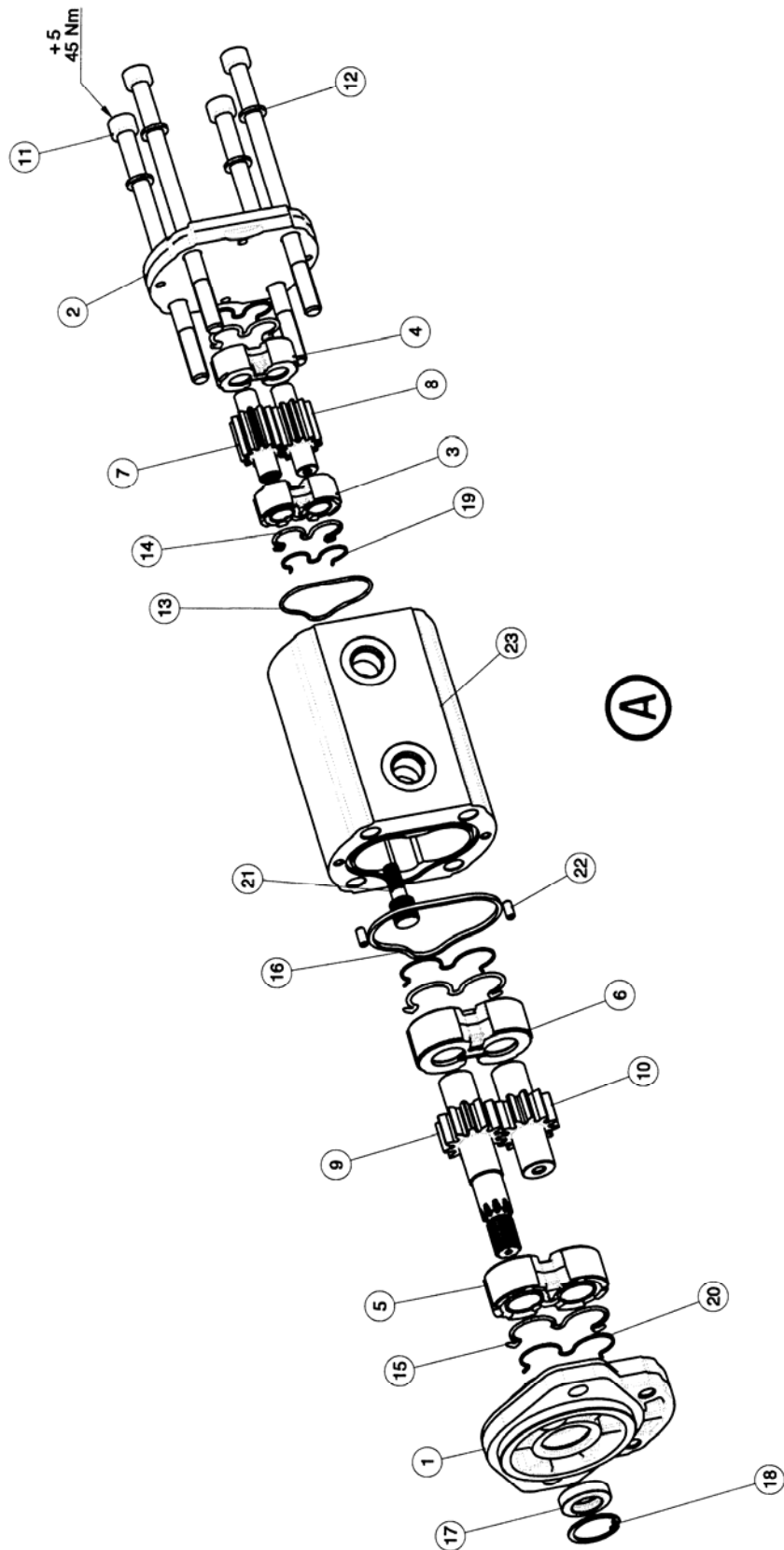
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	40-02	Assembly, Hydraulic Pump (See Group 40, Figure 01 for NHA)	Ref
2		• Washer, Lock	2
3		• Bolt, Hex	2
4		• Fitting, 90	A/R
5	87153	• Assembly, Double Auxiliary Pump (See Group 40, Figure 04 for DET)	1
-6	85675	• Assembly, Optional Pump	1
7	73156	• • Assembly, Double Auxiliary Pump (See Group 40, Figure 03 for DET)	1
-8	85652	• • Valve, Solenoid	1
9		• Kit, Flange	1
10		• Fitting, Tee	1
11		• Fitting STR	1
12	85264-004	• Kit, Flange	1
13	79560	• Assembly, Main Pump (See Group 40, Figure 05 for DET) (Also See Vendor Section, Figure 02 for REF)	1
14		• Washer, Lock (attaching parts)	2
15		• Bolt, Hex (attaching parts)	2
16		• Fitting, 90	1
17	77876	• Assembly, Flywheel Coupling(Pump Drive)	1
18		• • Bolt, Hex	12
19		• • Washer, SPL	12
20		• • Plate, Flywheel	1
21		• • Screw	6
22		• • Washer	6
23	87144	• • Drive, Flywheel	1

REVISION:



DOUBLE AUXILIARY PUMP ASSEMBLY

B20
PARTS
GROUP 40
FIGURE 03
PAGE 01

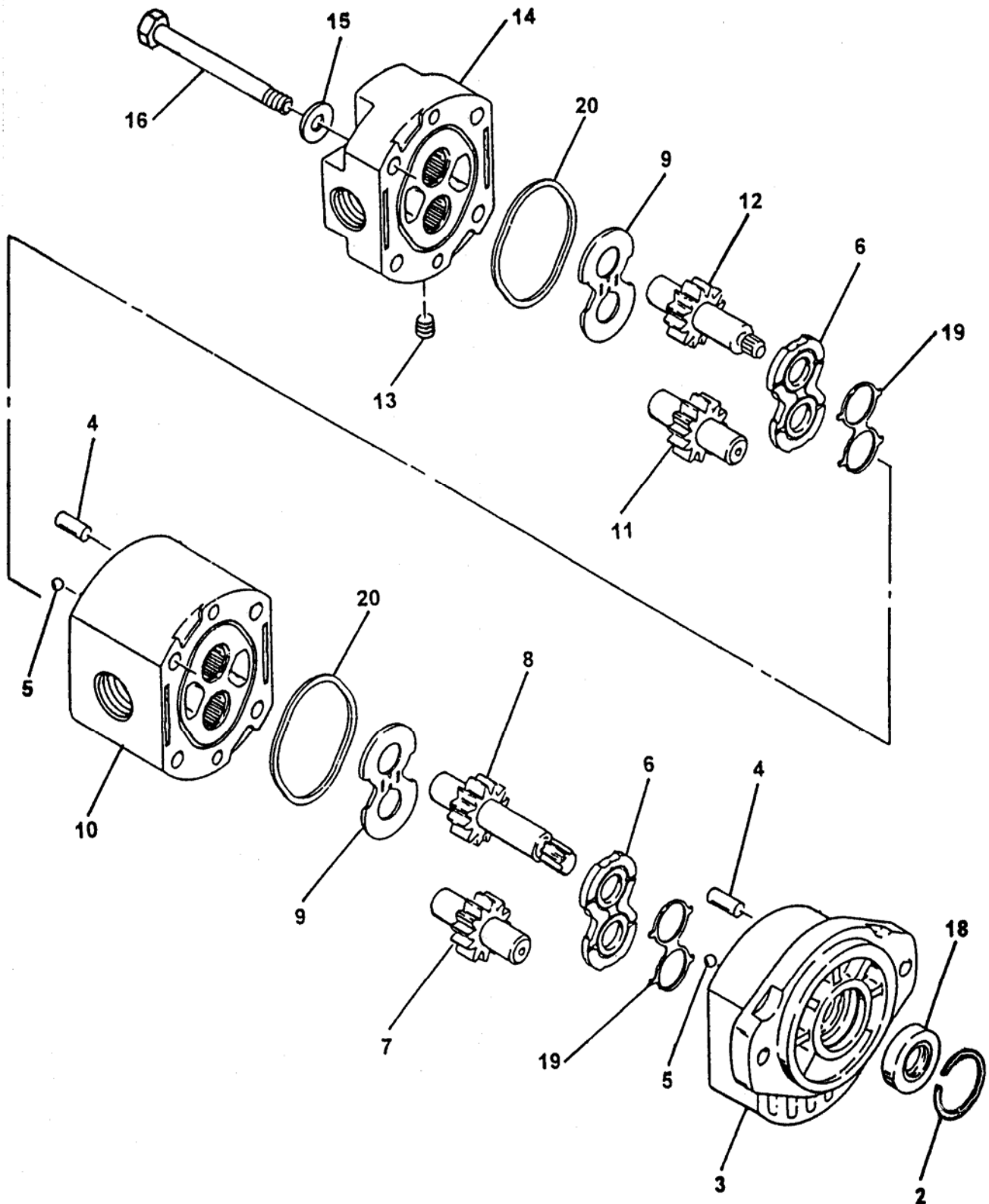


REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	87153	Assembly, Double Auxiliary Pump (See Group 40, Figure 02 for NHA) (Also See Vendor Section, Figure 02 for REF)	Ref
1		• Cover, Front	1
2		• Cover, Twin Rear	1
3		• Plate, Thrust	1
4		• Plate, Thrust	1
5		• Plate, Thrust	1
6		• Plate, Thrust	1
7		• Gear, Drive	1
8		• Gear, Driven	1
9		• Shaft, Drive	1
10		• Shaft, Driven	1
11		• Screw	4
12		• Washer	4
13		• O-Ring	1
14		• Seal	2
15		• Seal	2
16		• Plate, Seal	1
17		• Seal, Shaft	1
18		• Ring	1
19		• Plate, Anti-Intrusion	2
20		• Ring, Back-Up	2
21		• Hub	1
22		• Pin, Dowel	2
23		• Body	1

DOUBLE AUXILIARY PUMP ASSEMBLY

B20
PARTS
GROUP 40
FIGURE 04
PAGE 01



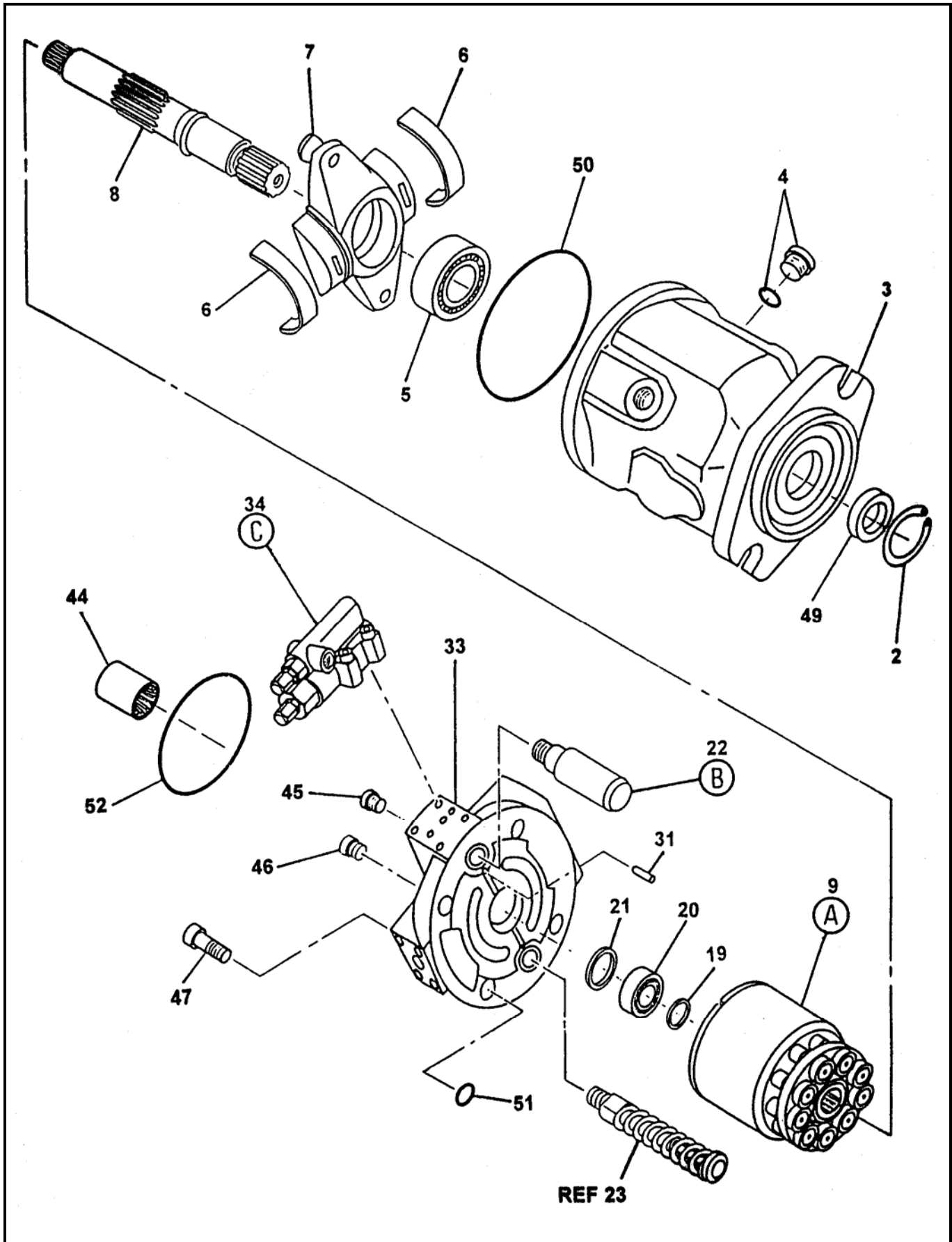
REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	73156	Assembly Double Auxiliary Pump (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	79598	• Kit, Seal	1
18		• • Seal, Shaft	1
19		• • Rubber, Space	2
20		• • Ring, Square Cut	2

DASH (-) ITEM NOT ILLUSTRATED

MAIN PUMP ASSEMBLY

B20
PARTS
GROUP 40
FIGURE 05
PAGE 01



REVISION:



MAIN PUMP ASSEMBLY

B20
PARTS
GROUP 40
FIGURE 05
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

REVISION:



MAIN PUMP ASSEMBLY

B20
PARTS
GROUP 40
FIGURE 05
PAGE 04

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-9		• Assembly, Rotary	1
10		• • Piston	9
11		• • Plate, Retaining	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	1
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

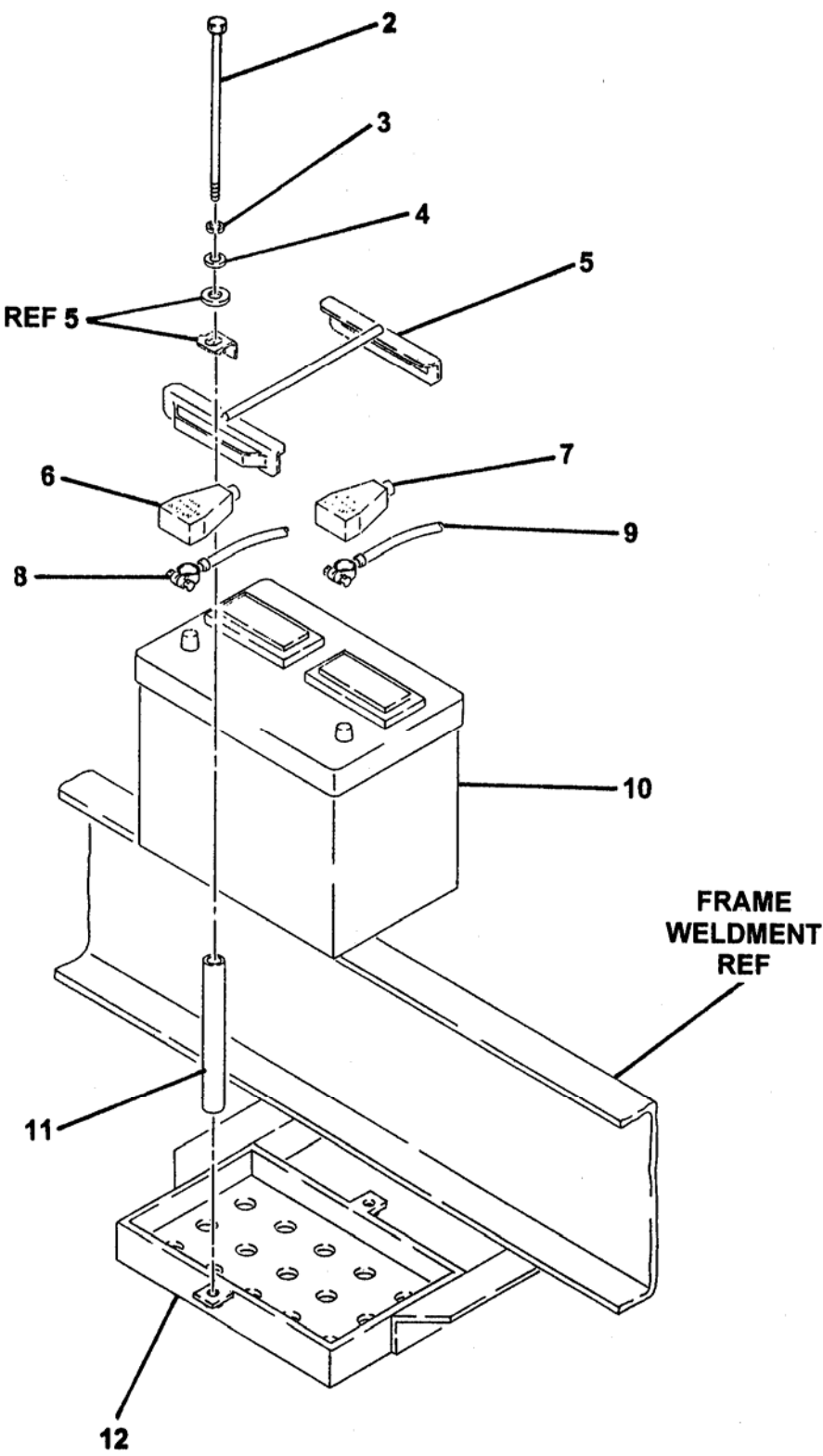
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



BATTERY MOUNT ASSEMBLY

B20
PARTS
GROUP 40
FIGURE 06
PAGE 01





BATTERY MOUNT ASSEMBLY

B20
PARTS
GROUP 40
FIGURE 06
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	40-06	Assembly, Battery Mounting (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 Inch Long Positive Battery (Red)	1
10	77075	• Battery, 12 VDC	1
11	73753	• Spacer, Battery Mounting	2
12	72954	• Weldment, Battery Box	1
-13	72014	• Cable, 36 Inch Long Battery Top	1
-14	85348	• Connector, SPNO 12 VDC	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



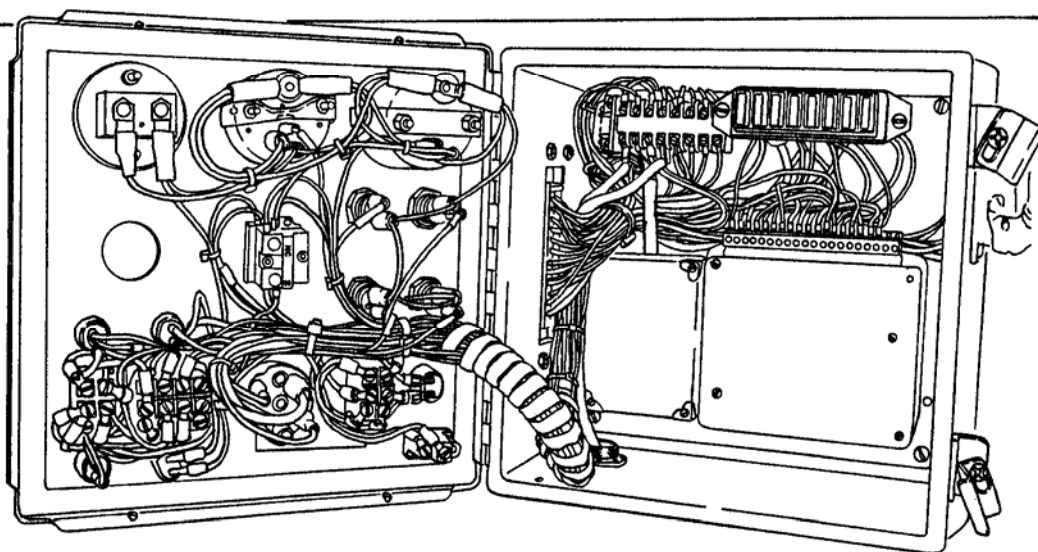
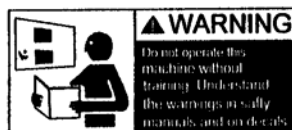
TRAILER MOUNTED PUMP MODEL *B20*
ILLUSTRATED PARTS MANUAL

B20
PARTS
GROUP 40
FIGURE 07
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP 03 MODEL B20 ILLUSTRATED PARTS MANUAL GROUP 50 CONTROLS INSTALLATION CONTAINS THE FOLLOWING FIGURES:

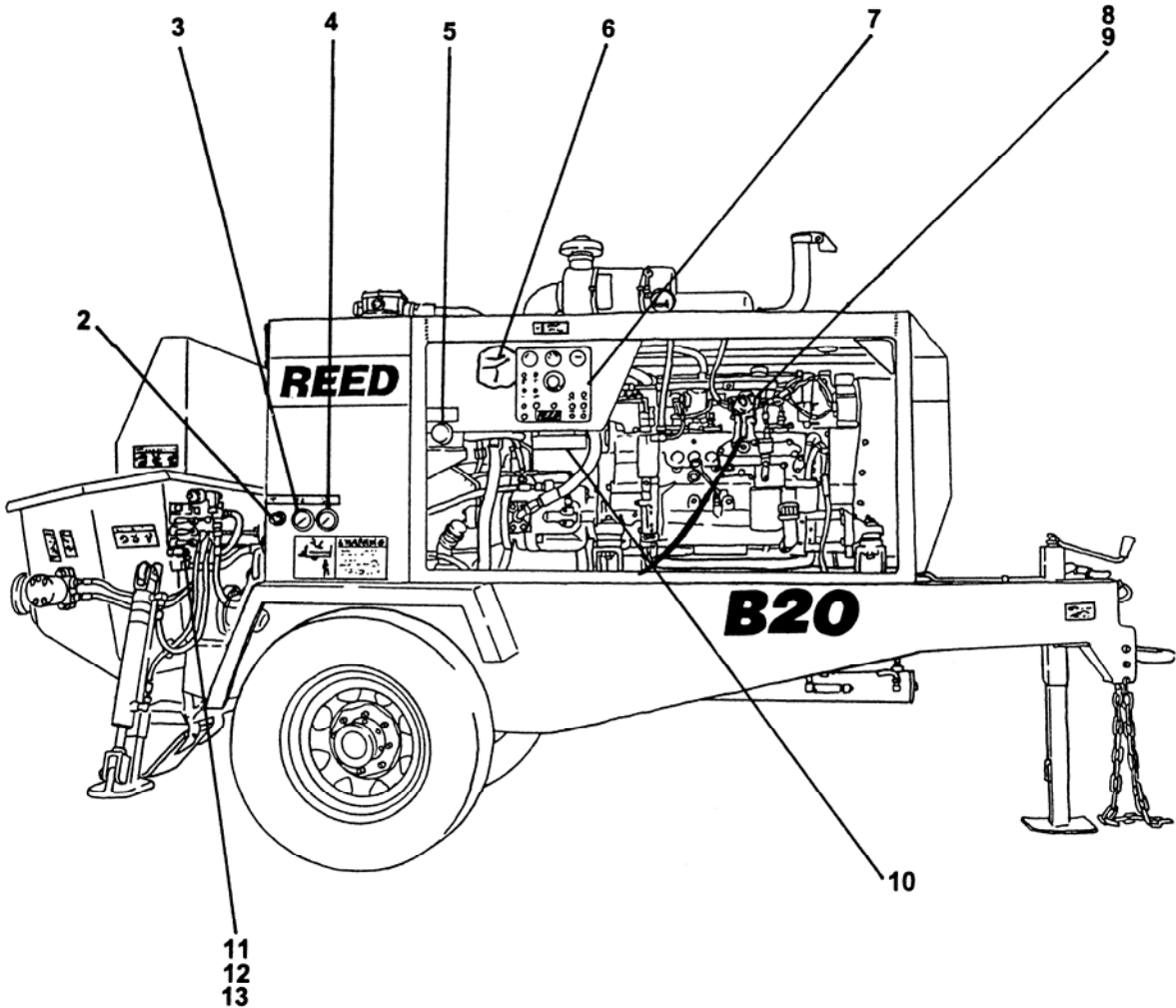
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** CONTROLS INSTALLATION
- FIGURE 02** CONTROL BOX ASSEMBLY
- FIGURE 03** 50 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 04** 100 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 05** RADIO REMOTE CONTROL ASSEMBLY





CONTROL INSTALLATION

B20
PARTS
GROUP 50
FIGURE 01
PAGE 01



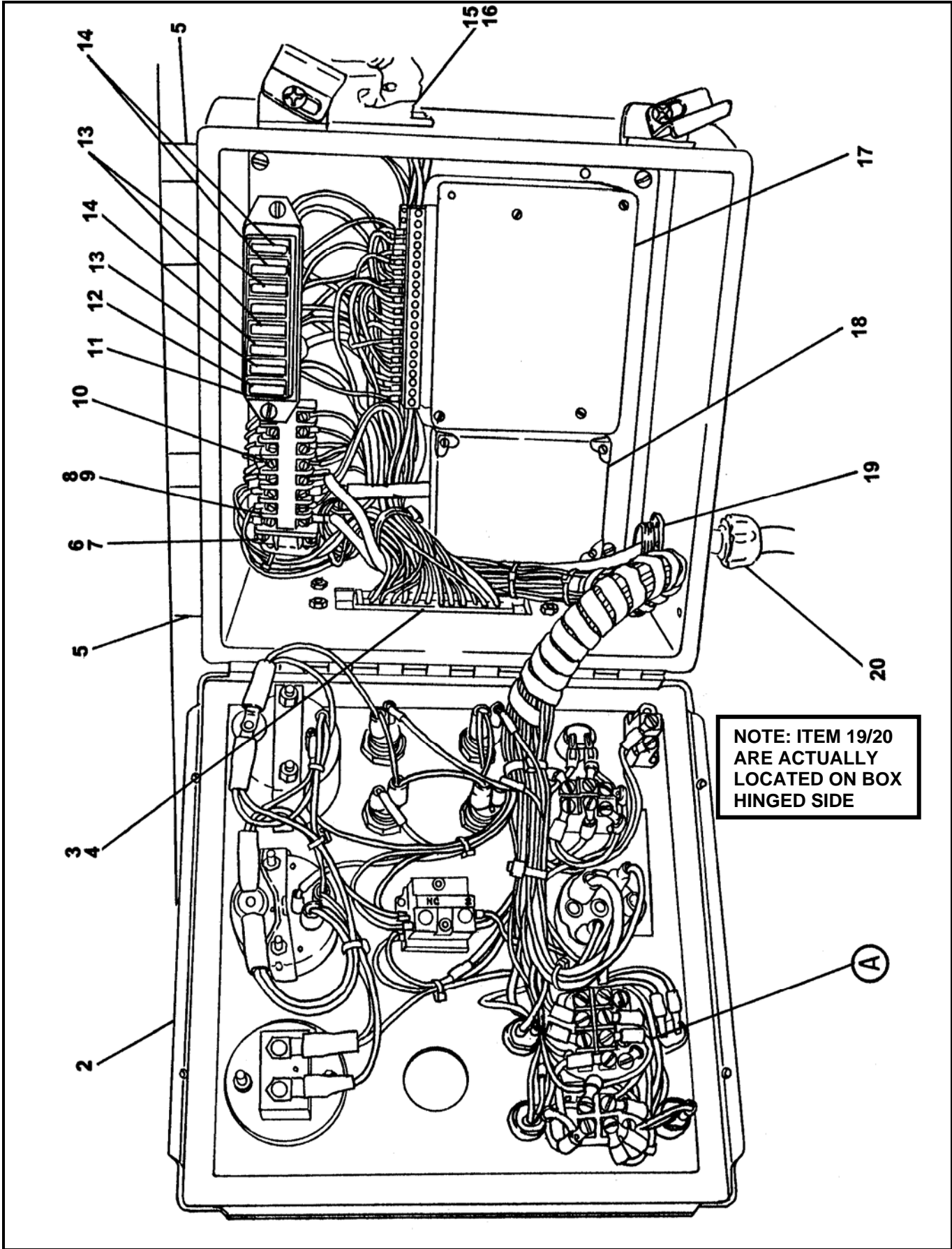
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	50-01	Installation, Control (See Group 10, Figure 01, 02, 03 and 04 for NHA)	Ref
2	78201	• Cable, Throttle Control (See Group 40, Figure 01 for REF)	1
3	70366	• Gauge, 3,000 PSI Hydraulic (See Group 30, Figure 02 for REF)	1
4	74562	• Gauge, 6,000 PSI Hydraulic (See Group 30, Figure 02 for REF)	1
5	85697	• Cartridge, Flow Control Valve (See Group 30, Figure 07 for REF)	1
6	800347	• Horn, 12 V	1
7	85358	• Assembly, Control Box (See Group 50, Figure 02 for DET)	1
8	85359	• Assembly, 50 Feet Cable Remote Control (See Group 50, Figure 03 for DET)	1
9	85359A	• Assembly, 100 Feet Cable Remote Control (See Group 50, Figure 04 for DET)	1
10	85818	• Assembly, Radio Remote Control (Optional Item) (See Group 50, Figure 05 for DET)	1
11	20-09	• Assembly, 3 Spool Control Valve (Optional Item) (See Group 20, Figure 08 for REF)	1
12	80-16	• Assembly, 1 Spool Control Valve (Optional Item) (See Group 80, Figure 16 for REF)	1
13	80-18	• Assembly, 2 Spool Control Valve (Optional Item) (See Group 80, Figure 18 for REF)	1

DASH (-) ITEM NOT ILLUSTRATED



CONTROL BOX ASSEMBLY

B20
PARTS
GROUP 50
FIGURE 02
PAGE 01



REVISION:



CONTROL BOX ASSEMBLY

B20
PARTS
GROUP 50
FIGURE 02
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85358	Assembly, Control Box (See Group 50, Figure 01 for NHA)	Ref
2	85400	• Box, Control	1
3	78696	• Insert, Connector	1
4	78697	• Base, Connector	1
5	73748	• Bumper	4
6	75654	• End, Barrier	1
7	72821	• Rail, 0.333 Feet Barrier	1
8	72820	• Terminal	8
9	72824	• Jumper	2
10	85354	• Block, Fuse	1
11	85419	• Stand Off	1
12	800447	• Fuse, 25	1
13	800449	• Fuse, 10	3
14	90392	• Fuse, 5	3
15	79963	• Insert, Connector	1
16	79965	• Base, Connector	1
17	85596	• Box, Black	1
18	85334	• Box, Pump Black	1
19	10528	• Nut	1
20	10523	• Relief, Strain	1

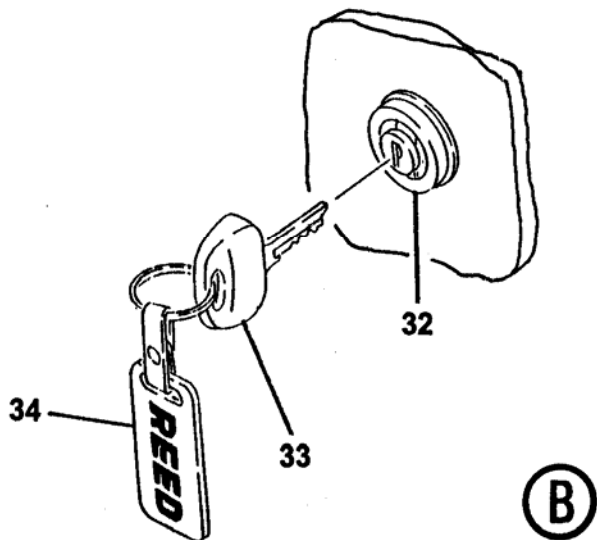
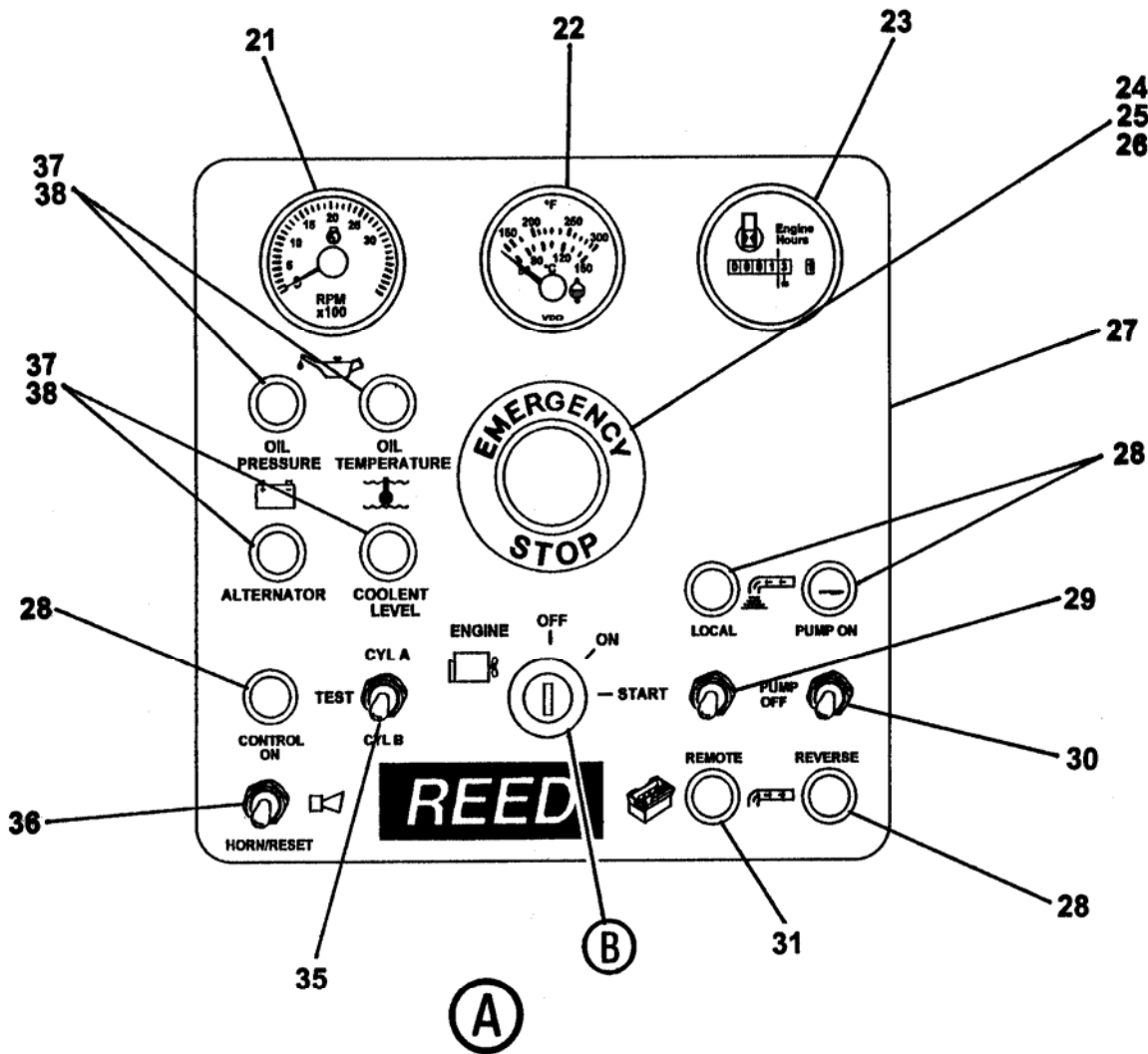
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



CONTROL BOX ASSEMBLY

B20
PARTS
GROUP 50
FIGURE 02
PAGE 03





CONTROL BOX ASSEMBLY

B20
PARTS
GROUP 50
FIGURE 02
PAGE 04

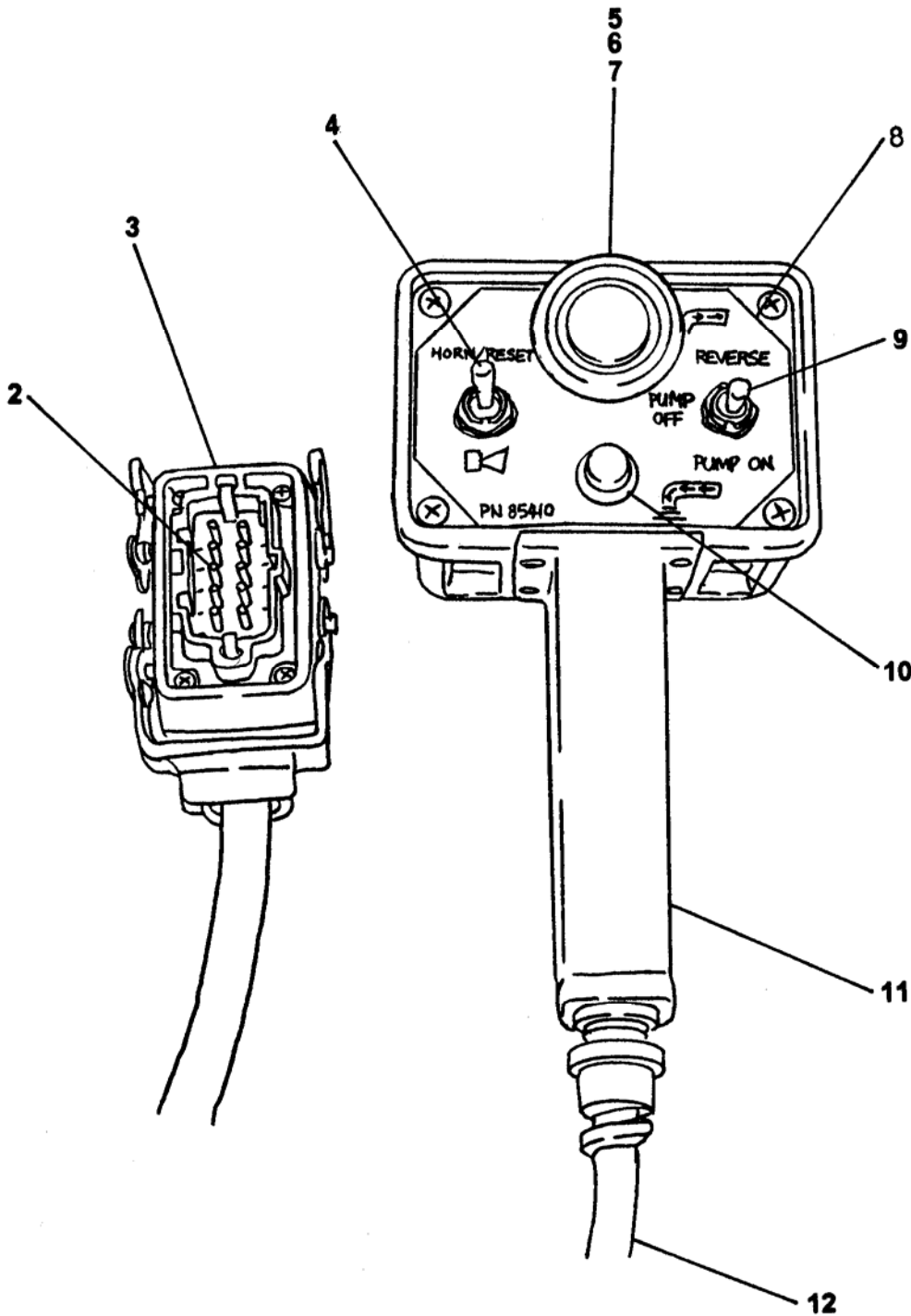
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
21	78687	• Tachometer	1
22	78203	• Gauge, Water Temperature	1
23	74240	• Meter, Engine Hour	1
24	85342	• Operator, Emergency Stop	1
25	85343	• Block, Contact	1
26	85344	• Bulb, Emergency Stop	1
27	85332	• Decal, Control Box	1
28	85355	• Pilot, Light	4
29	78563	• Switch, Local / Remote	1
30	72003	• Switch, Pump On / Reverse	1
31	85356	• Pilot, Light	1
32	71154	• Switch, Ignition	1
33	71155	• • Key (Pair)	1
34	72862	• Gauge, Proximity Switch	1
35	85346	• Switch, CYL A / CYL B	1
36	85347	• Switch, Horn / Reset	1
37	73775	• Indicator, Red Light 14 VDC	4
38	72022	• Bulb, Indicator	4
-39	85396	• Assembly, Engine Wiring Harness (See Schematic Section, Page 11 for REF)	1
-40	86533	• Assembly, Trailer Wiring Harness (See Schematic Section, Page 12 for REF)	1
-41	800448	• Fuse, 20 DASH (-) ITEM NOT ILLUSTRATED	1

REVISION:



50 FEET CABLE
REMOTE CONTROL ASSEMBLY

B20
PARTS
GROUP 50
FIGURE 03
PAGE 01





50 FEET CABLE REMOTE CONTROL ASSEMBLY

B20
PARTS
GROUP 50
FIGURE 03
PAGE 02

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85359	Assembly, 50 Feet Cable Remote Control (See Group 50, Figure 01 for NHA)	Ref
2	79964	• Connector, Insert	1
3	79966	• Connector, Hood	1
4	85347	• Switch, Horn / Reset	1
5	85342	• Operator, Emergency Stop	1
6	85343	• Block, Contact	1
7	85344	• Bulb, Emergency Stop	1
8	85410	• Decal, Remote Control Box	1
9	72003	• Switch, Pump On / Reverse	1
10	85355	• Pilot, Light	1
11	71999	• Pistol, Grip	1
12	85620	• Cable, 50 Feet Remote Control	1

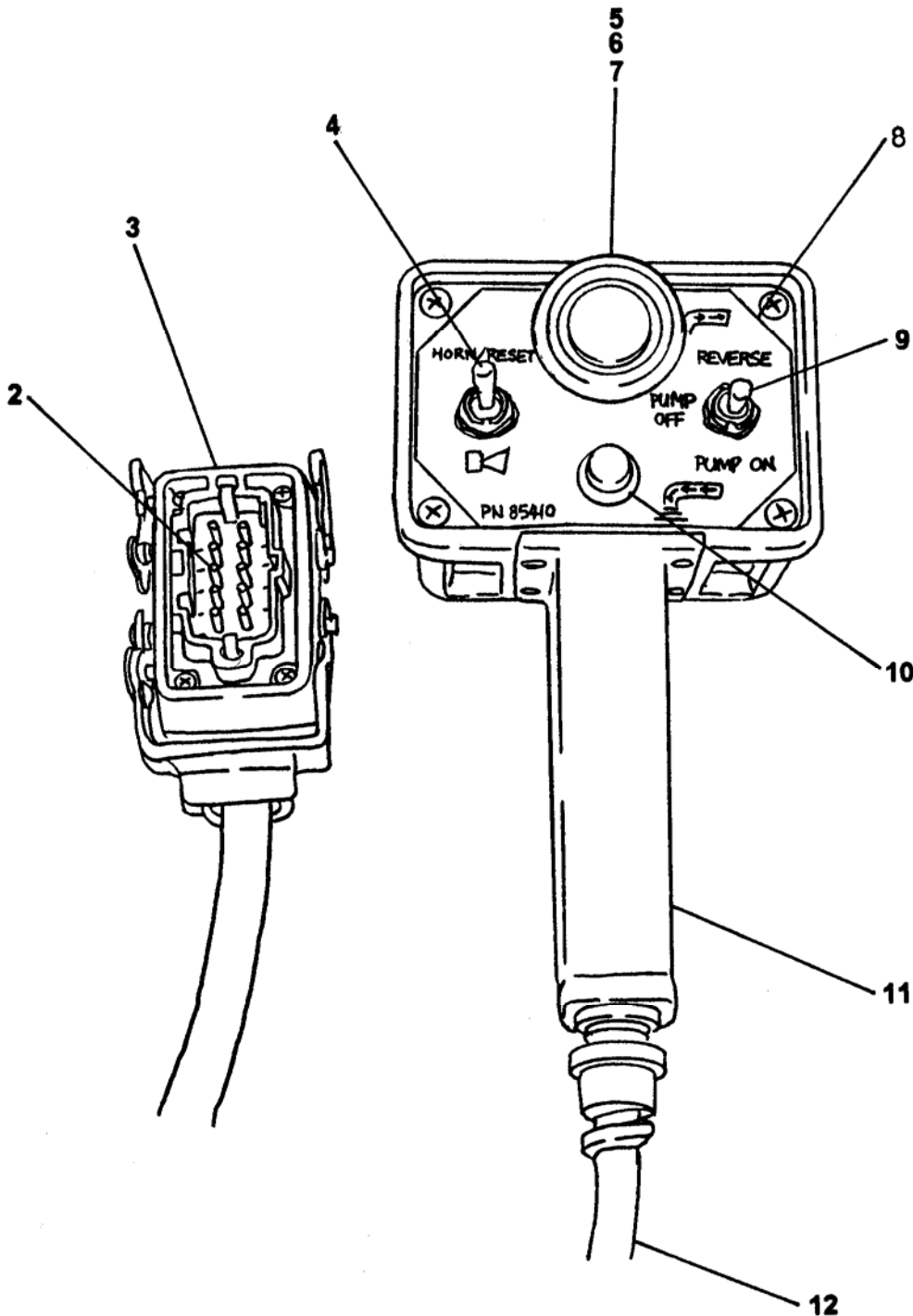
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



100 FEET CABLE
REMOTE CONTROL ASSEMBLY

B20
PARTS
GROUP 50
FIGURE 04
PAGE 01





100 FEET CABLE REMOTE CONTROL ASSEMBLY

B20
PARTS
GROUP 50
FIGURE 04
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85359A	Assembly, 100 Feet Cable Remote Control (See Group 50, Figure 01 for NHA)	Ref
2	79964	• Connector, Insert	1
3	79966	• Connector, Hood	1
4	85347	• Switch, Horn / Reset	1
5	85342	• Operator, Emergency Stop	1
6	85343	• Block, Contact	1
7	85344	• Bulb, Emergency Stop	1
8	85410	• Decal, Remote Control Box	1
9	72003	• Switch, Pump On / Reverse	1
10	85355	• Pilot, Light	1
11	71999	• Pistol, Grip	1
12	85816	• Cable, 100 Feet Remote Control	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



OPTIONAL RADIO
REMOTE CONTROL ASSEMBLY

B20
PARTS
GROUP 50
FIGURE 05
PAGE 01



REVISION:



**OPTIONAL RADIO
REMOTE CONTROL ASSEMBLY**

B20
PARTS
GROUP 50
FIGURE 05
PAGE 02

THIS GROUP 50, FIGURE 05, PARTS NUMBER 85818,
OPTIONAL RADIO REMOTE CONTROL ASSEMBLY,
DETAIL PARTS LIST IS NOT AVAILABLE THIS REVISION.

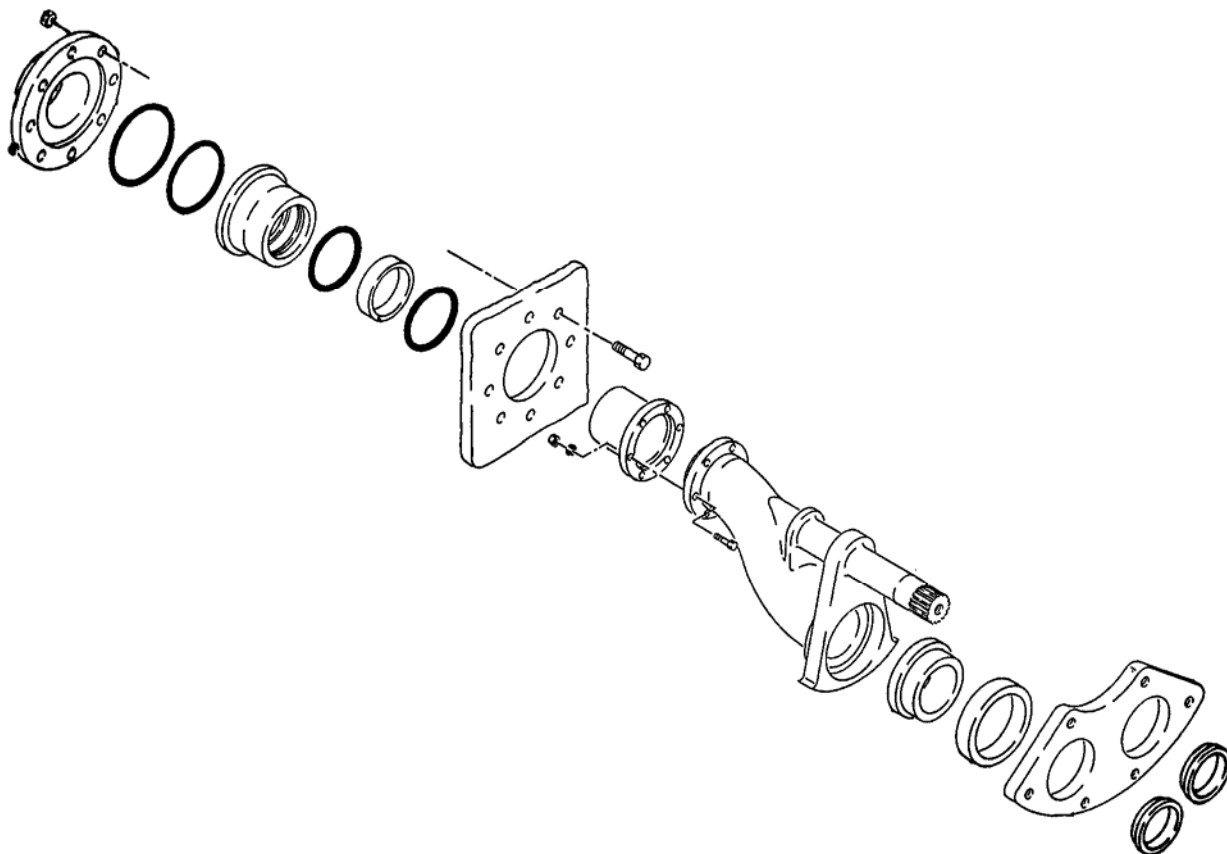
REVISION:



TRAILER MOUNTED PUMP MODEL *B20*
ILLUSTRATED PARTS MANUAL

B20
PARTS
GROUP 50
FIGURE 06
PAGE 01

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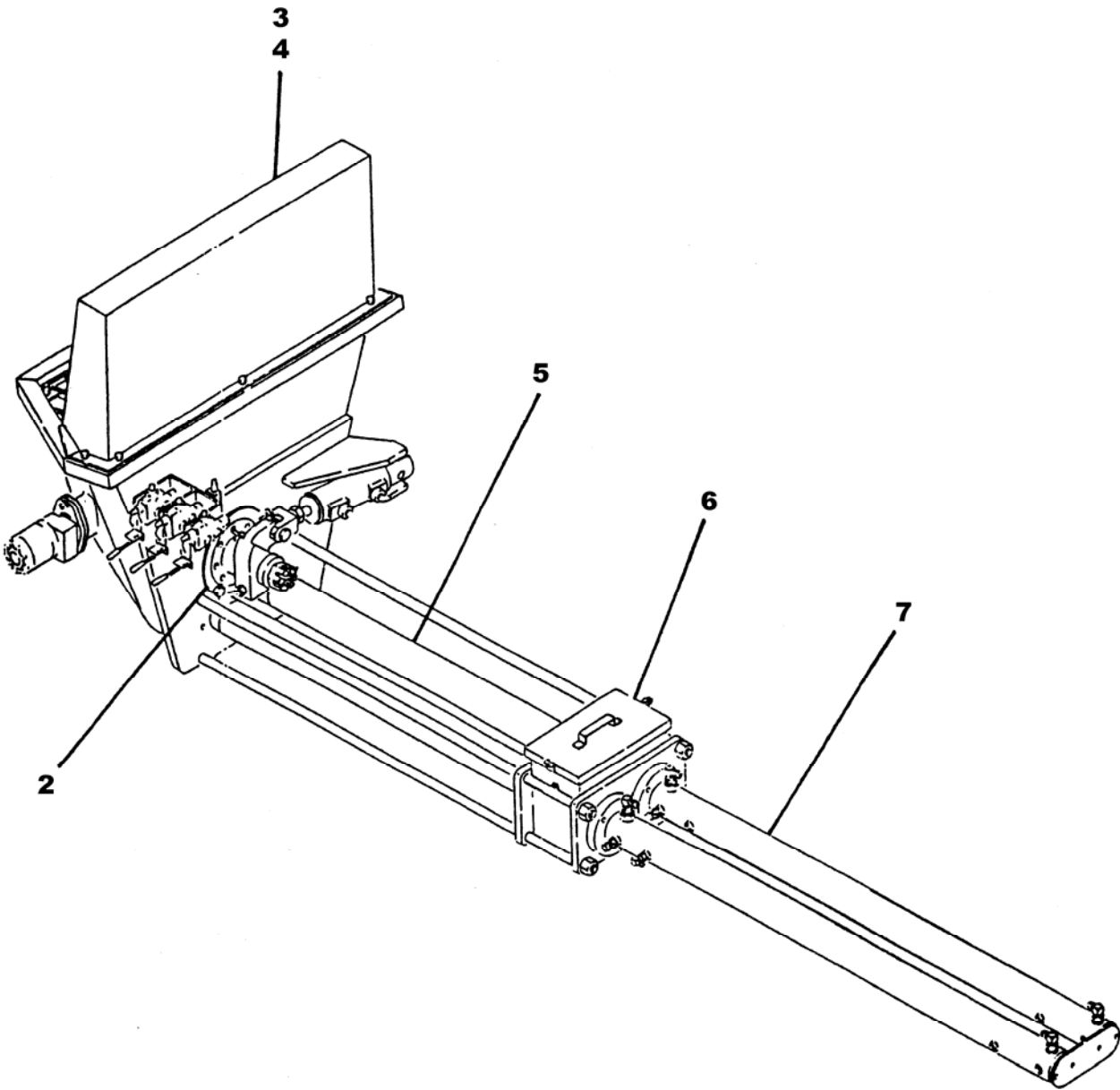
REED TRAILER MOUNTED CONCRETE PUMP **03** MODEL **B20** ILLUSTRATED PARTS MANUAL GROUP 60 PUMPING TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- | | |
|------------------|---------------------------------------|
| 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 |



PUMPING TRAIN INSTALLATION

B20
PARTS
GROUP 60
FIGURE 01
PAGE 01





PUMPING TRAIN INSTALLATION

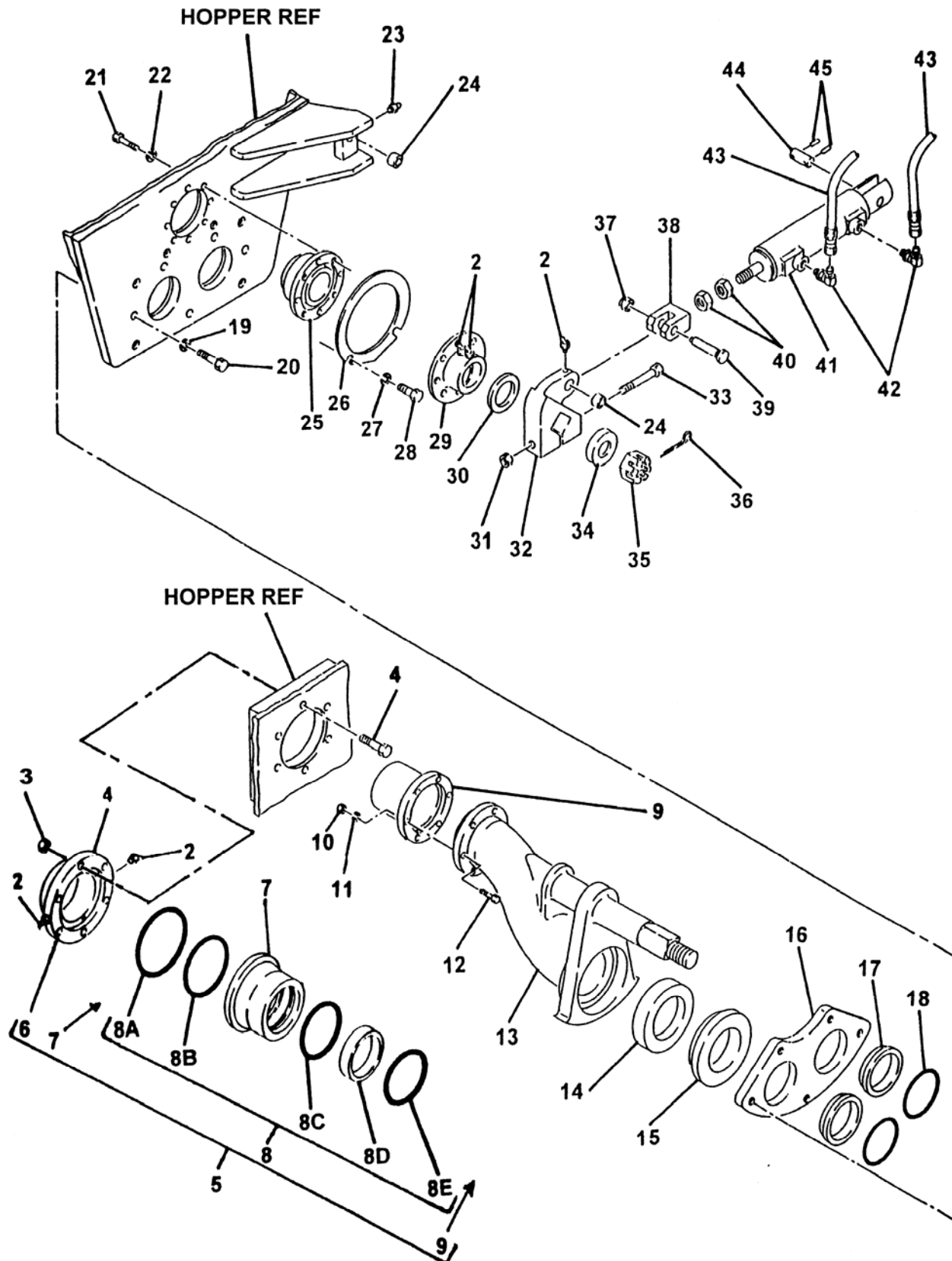
B20
PARTS
GROUP 60
FIGURE 01
PAGE 02

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, Single Shift Swing Valve (See Group 60, Figure 02 for DET)	1
3	20-01	• Installation, Standard Hopper (86803 Hopper Weldment) (See Group 20, Figure 01 for REF)	Ref
4	60-04	• Assembly, Concrete Cylinder (See Group 60, Figure 04 for DET)	Ref
5	60-05	• Assembly, Flushbox (See Group 60, Figure 05 for DET)	1
6	60-06	• Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 05 for DET)	1
7	60-07	• Sub-Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 07 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED

SWING VALVE ASSEMBLY

B20
PARTS
GROUP 60
FIGURE 02
PAGE 01

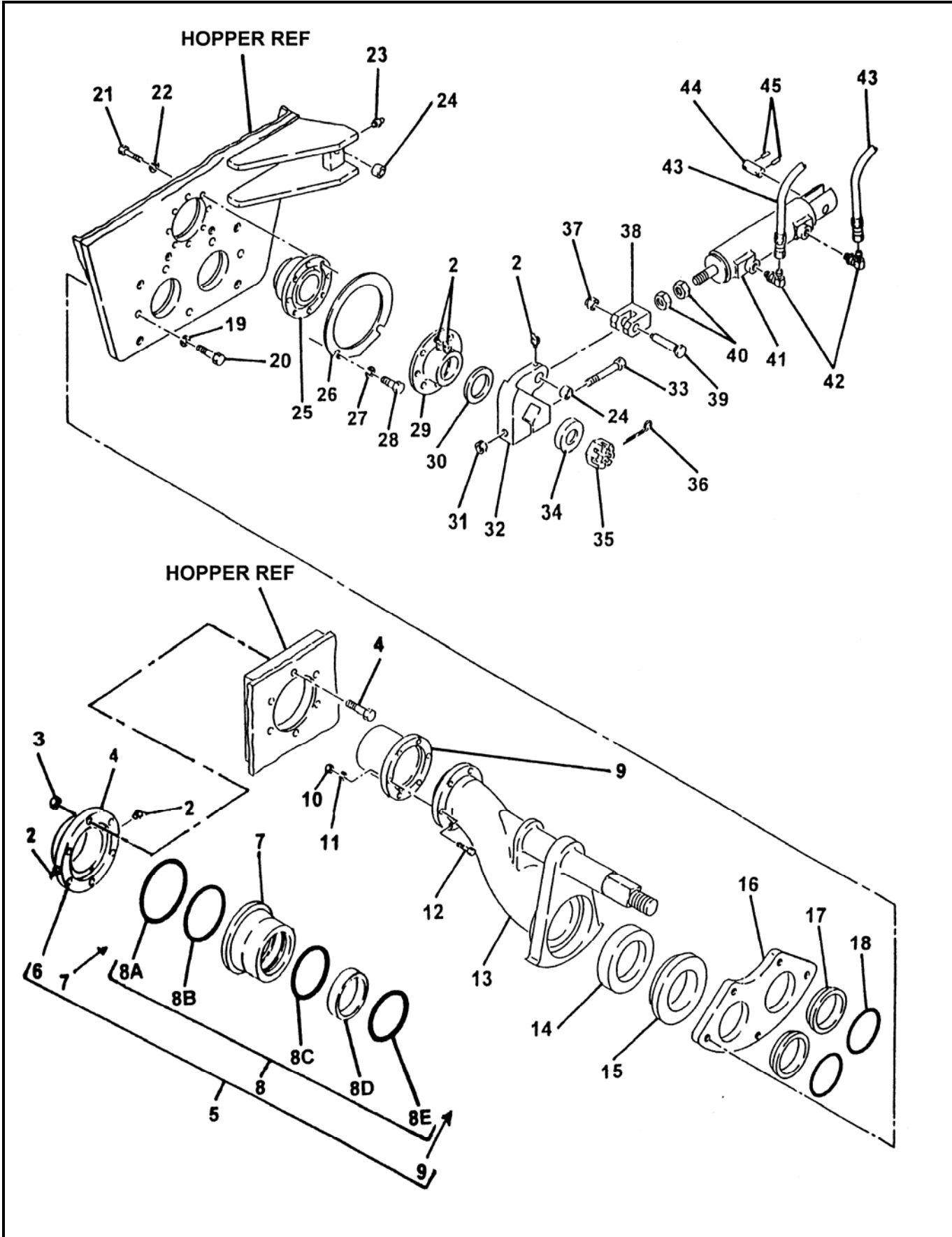


ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-02	Assembly, Single Shift Swing Valve (See Group 60, Figure 01 for NHA)	Ref
2		• Fitting, Grease	5
3		• Nut	6
4		• Bolt, Hex	6
5	86617	• Kit, 4 Inch-Outlet Kit	1
6	86336	• Outlet, 4 Inch	1
7	86335	• • Housing, 4 Inch Outlet Seal	1
8	86621	• • • Kit, 4 Inch Outlet Seal	1
8A	86370	• • • • O-Ring, Large	1
8B	86369	• • • • O-Ring, Small	1
8C	86614	• • • • Seal, Modified Outlet Thick Lip	1
8D	86371	• • • • Band, Guide	1
8E	86372	• • • • Seal, Outlet Thick Lip	1
9	71343	• • Outlet, 4 Inch Chromed	1
10		• Nut, Lock	6
11		• Washer, Lock	6
12		• Bolt, Hex	6
13	71349	• Weldment, 4 Inch TO 4 Inch Swing Tube	1
14	72285	• Seal, Double Lip	1
15	72384	• Ring, Chrome 4 Inch Double Lip Wear	1
16	71251	• Plate, 4 Inch Wear	1
17	71254	• Ring, Anti-Chip	2
18	71247	• O-Ring	2
19		• Washer, Lock	5
20		• Bolt, Hex	5
21		• Bolt, Hex	4
22		• Washer, Lock	4
23		• Fitting, Grease Str	1
24	71011	• Race, Inner	2
25	73564	• Seal, Flanged Bearing	1
26	86502	• Ring, Locator	1
27	77948	• Washer, Lock	2
28	77949	• Bolt, Hex	2
29	70124	• Bearing, Flange	1
30	70141	• Washer, Thrust	1
31		• Nut, Hex	1
32	71234	• Crank, Bell	1
33		• Bolt, Hex	4
34	70125	• Spacer, Nut	1
35	70825	• Nut, Castle	1
36		• Pin, Safety	1

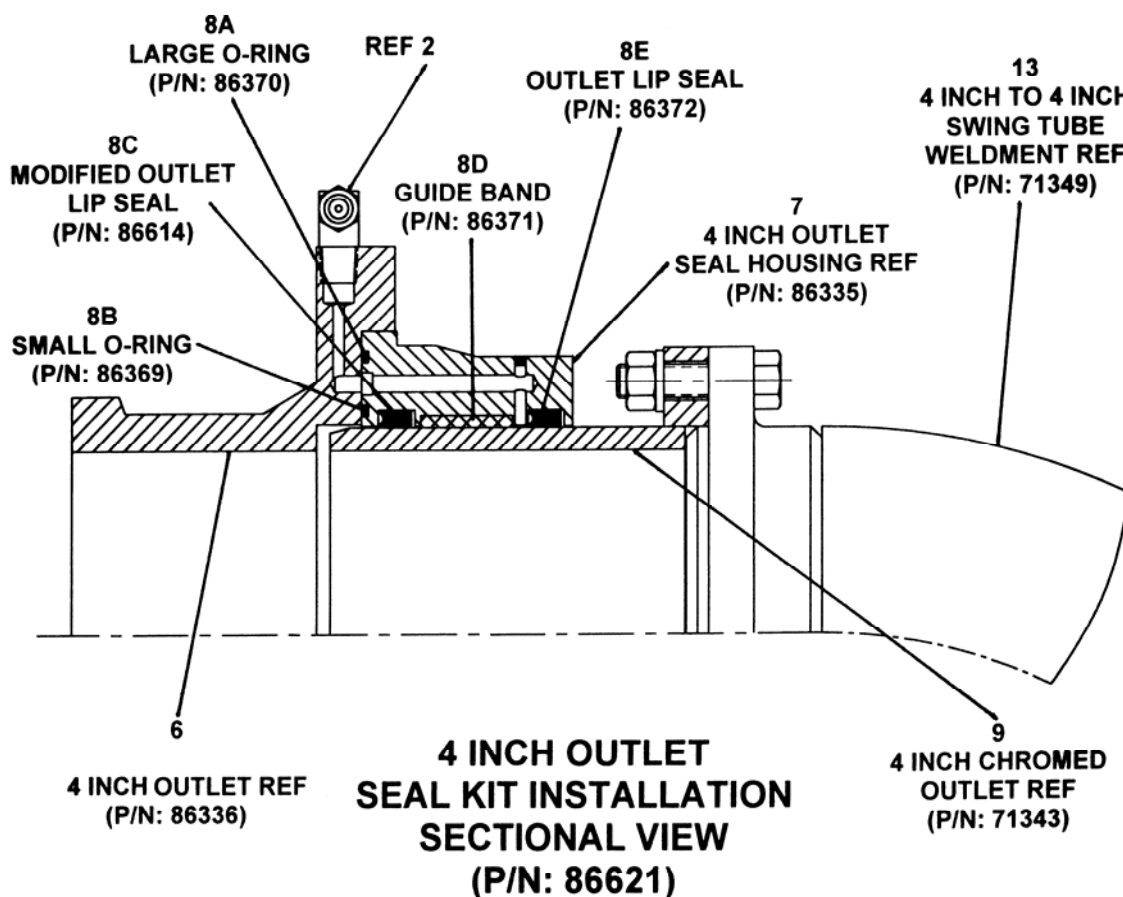


SWING VALVE ASSEMBLY

B20
PARTS
GROUP 60
FIGURE 02
PAGE 03



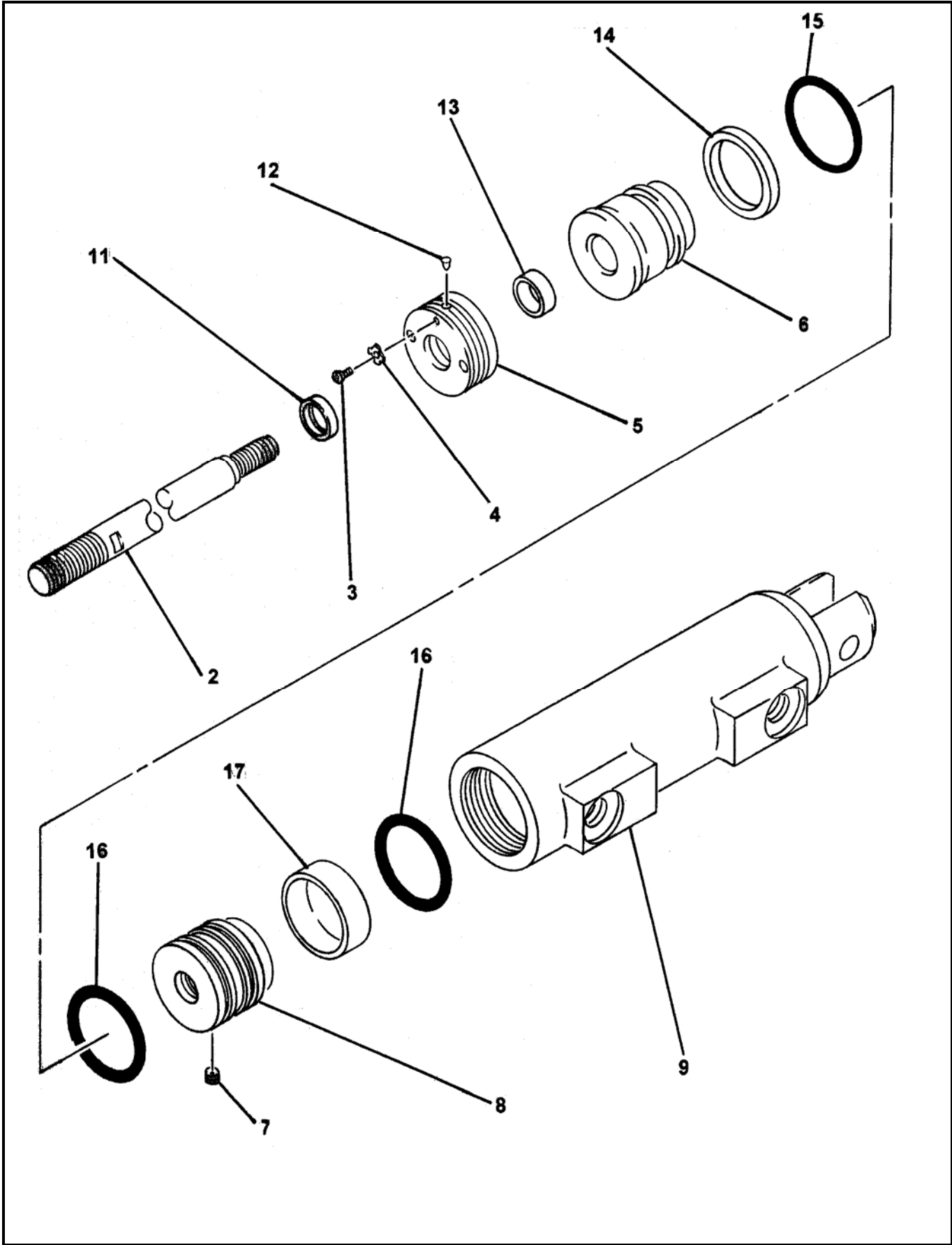
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
34	70125	• Spacer, Nut	1
35	70825	• Nut, Castle	1
36		• Pin, Safety	1
37		• Nut, Hex	2
38	70143	• Clevis	2
39	70142	• Pin, Clevis	2
40		• Nut, Hex	1
41	71487	• Sub-Assembly, Single Shift Swing Ram Cylinder (See Group 60, Figure 03 for DET)	1
42		• Fitting, 90	2
43	79727	• Assembly, Hose (See Schematic Section Pg 17 for Ref)	2
44	74207	• Assembly, Clevis Pin	2
45		• Pin, Roller	4
46		•	
-47		•	
-48		•	





**SINGLE SHIFT
SWING RAM CYLINDER SUB-ASSEMBLY**

B20
PARTS
GROUP 60
FIGURE 03
PAGE 01



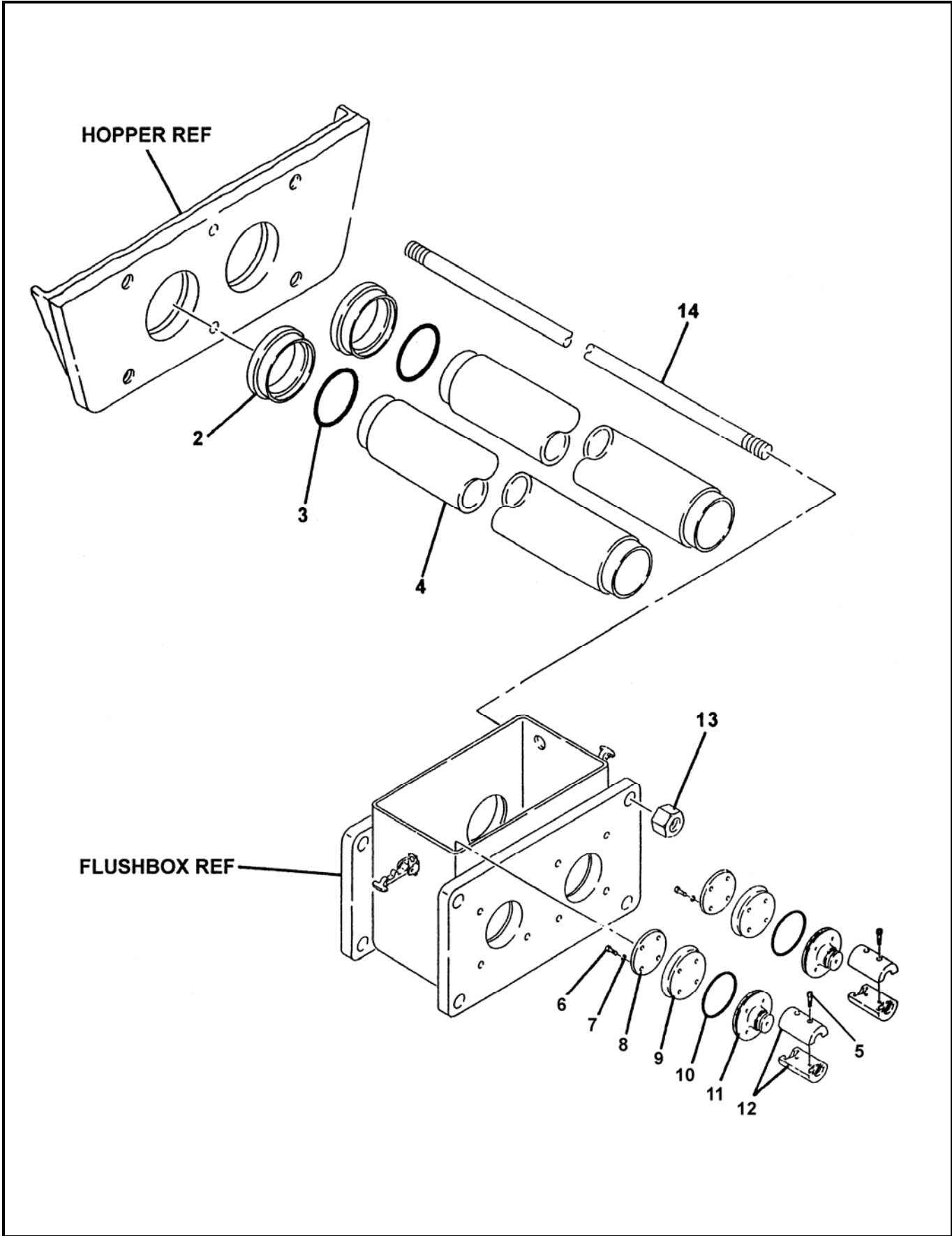
**SINGLE SHIFT
SWING RAM CYLINDER SUB-ASSEMBLY**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	71487	Sub-Assembly, Swing Ram Cylinder (See Group 60, Figure 02 for NHA)	Ref
2		• Rod, Cylinder	1
3		• Retainer, Seal	1
4		• Piston	1
5		• Weldment, Cylinder Barrel	1
-6	77013	• 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, Set	1
		DASH (-) ITEM NOT ILLUSTRATED	



CONCRETE CYLINDER ASSEMBLY

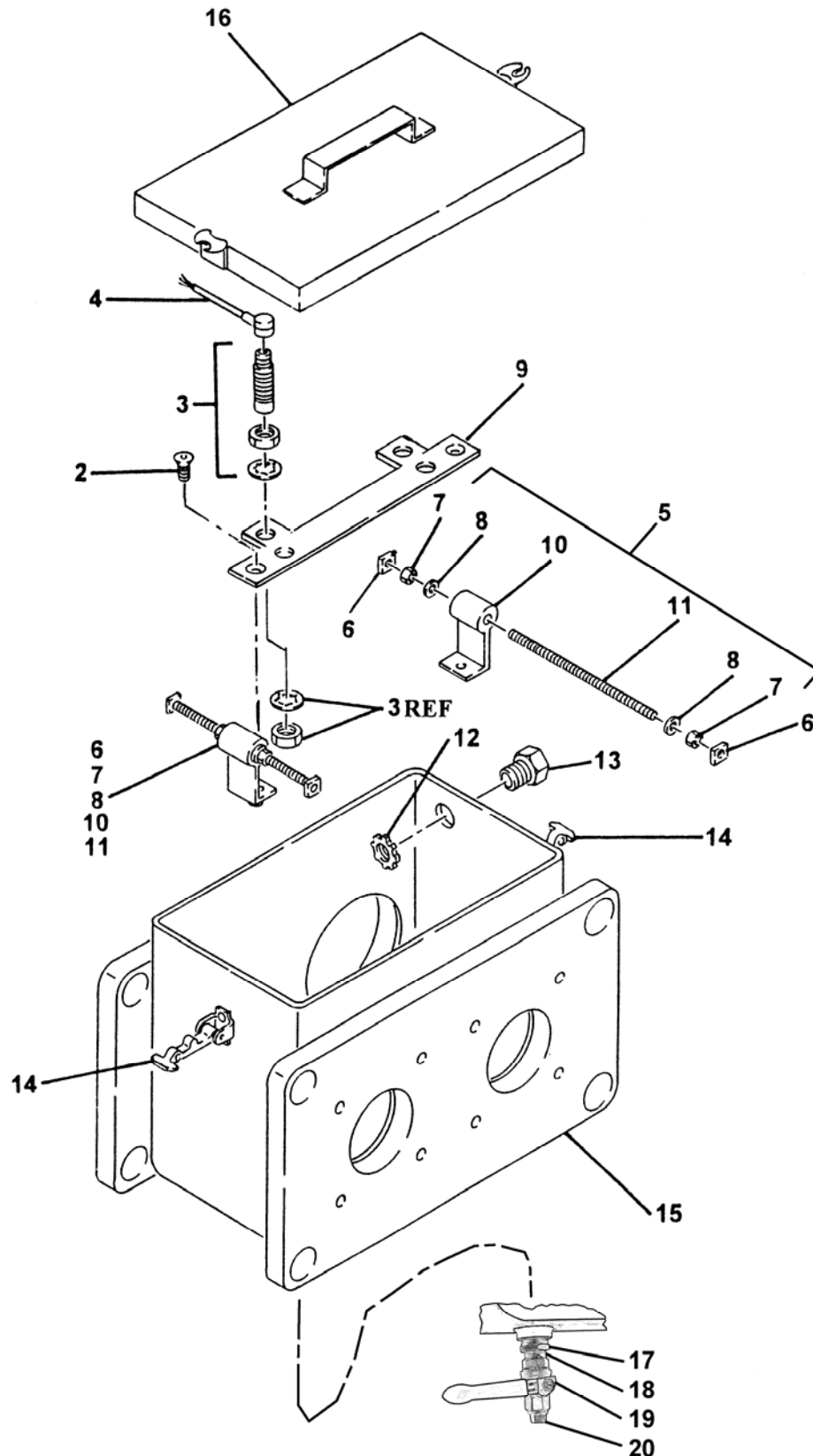
B20
PARTS
GROUP 60
FIGURE 04
PAGE 01



REED**CONCRETE CYLINDER ASSEMBLY**

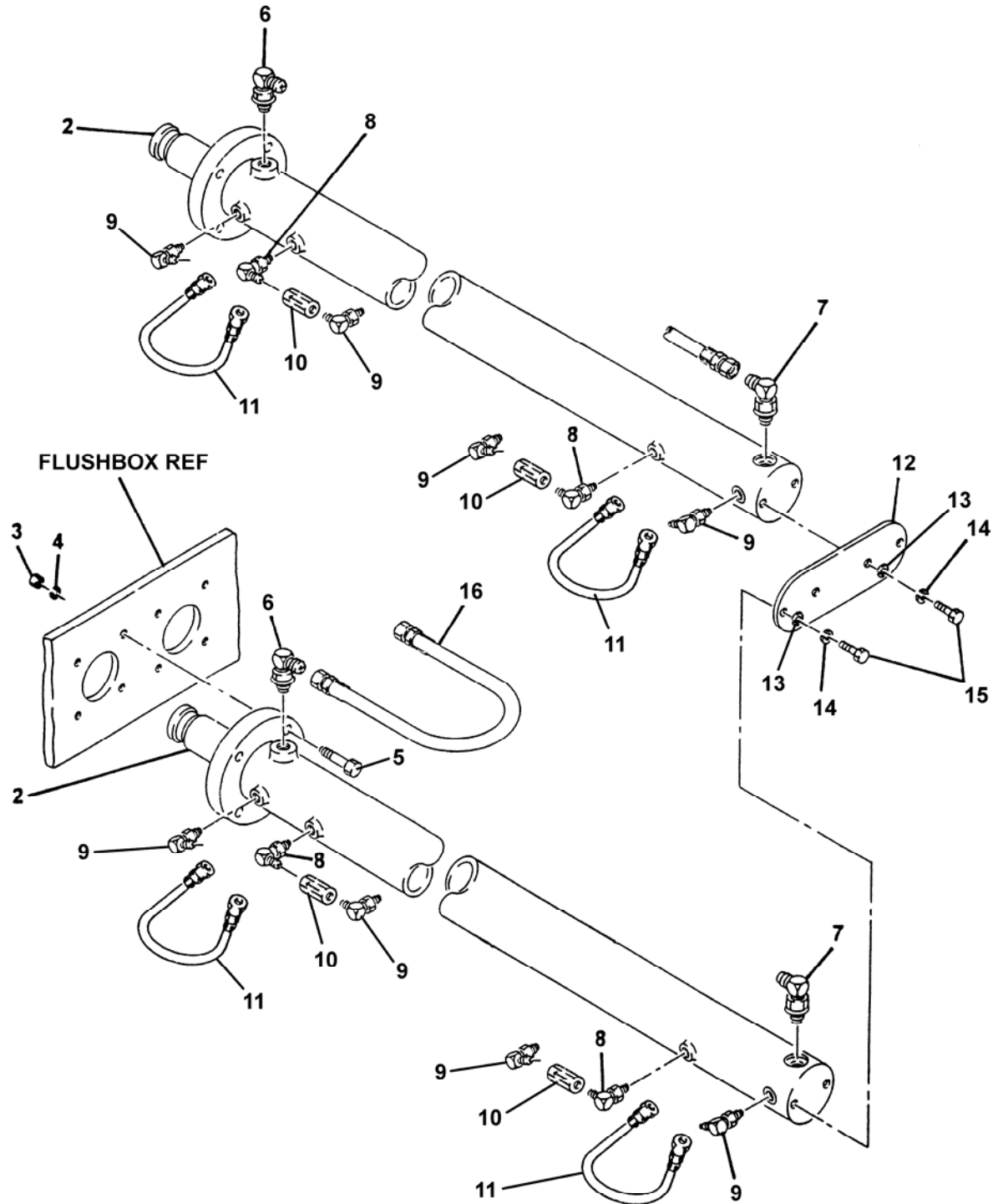
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-04	Assembly, Concrete Cylinder (See Group 60, Figure 01 for NHA)	Ref
2	71257	• Adapter, Concrete Cylinder	2
3	71249	• O-Ring, Concrete Cylinder	2
4	71232	• Cylinder, Concrete-4" x 36"	2
5		• Screw, Soc Hd Cap 1/2-20x1 1/2"	4
6		• Bolt, Hex 3/8-24x1 1/4"	8
7		• Washer, Lock-3/8" (Internal Tooth)	8
8	71235	• Plate, Piston	2
9	76500	• Cup, Piston-4"	2
10	71339	• O-Ring-(4" Piston)	2
11	71233	• Adapter, Concrete Piston	2
12	70077	• Coupling, Piston	2
13		• Nut, Hex 1 1/4"-12 Grade 5	4
14	70315	• Rod, Tie	4

DASH (-) ITEM NOT ILLUSTRATED



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	76561	• Kit, Proximity Switch Mounting	1
6		• • Nut, Special	4
7		• • Nut, Hex	4
8		• • Washer, Lock	4
9	71324	• • 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	86859	• Weldment, Flushbox	1
16	71933	• Lid, Flushbox	1
17	10224	• Bushing, Hex	1
18	10355	• Nipple, Close Pipe	1
19	56413	• Valve, Ball	1
20	74944	• Plug	1

DASH (-) ITEM NOT ILLUSTRATED





HYDRAULIC DRIVE CYLINDER ASSEMBLY

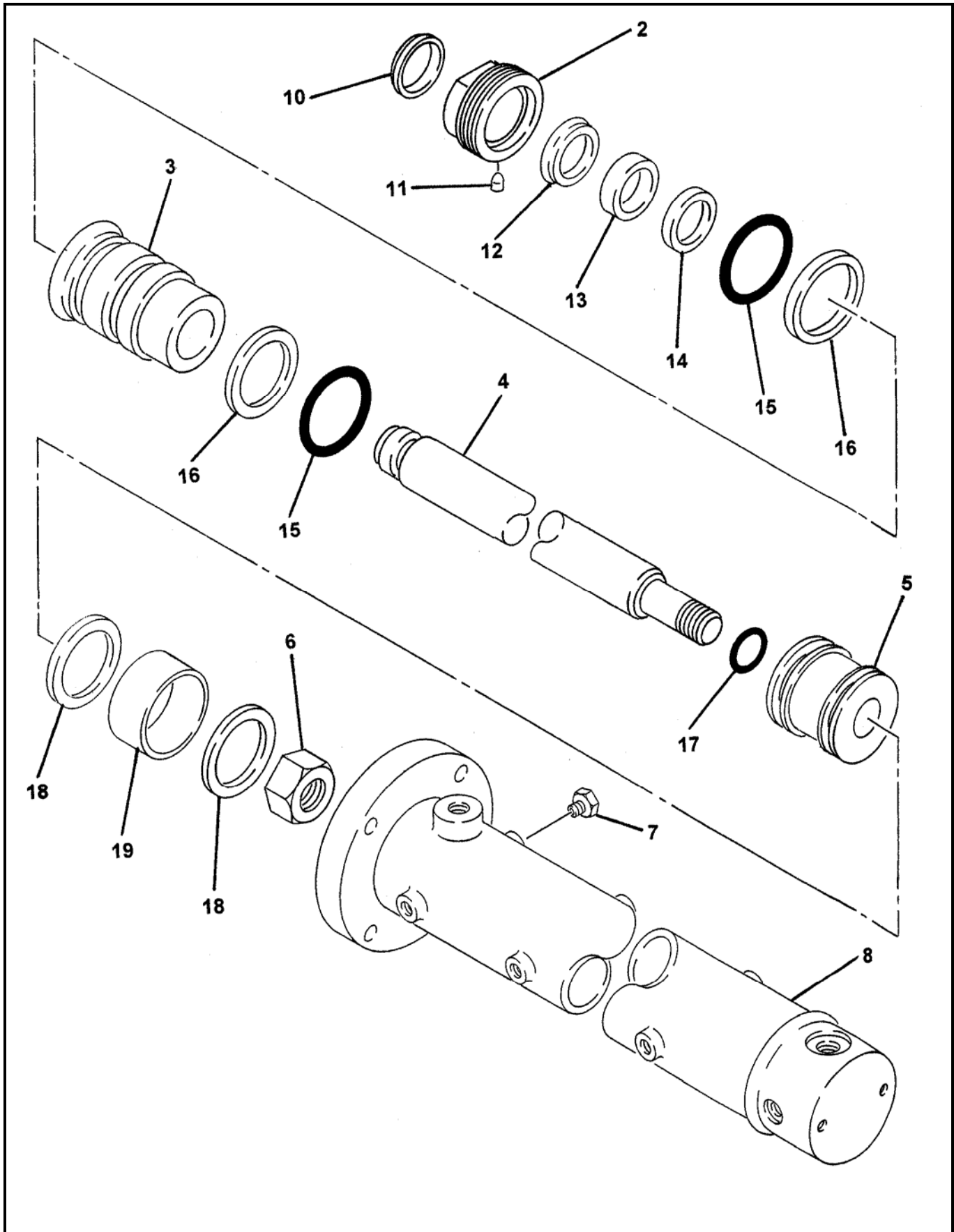
B20
PARTS
GROUP 60
FIGURE 06
PAGE 02

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	73120	• Sub-Assembly, Hydraulic Drive Cylinder-See Fig 07	2
3		• Nut, Hex	8
4		• Washer, Flat-3/4" Harden	8
5		• Screw, Socket Head Cap 3/4-10 X 3"	8
6	86728-019	• Fitting, 90	2
7	86728-023	• Fitting, 90	2
8		• Fitting, 90 MB-MB-90-6-6	4
9	86728	• Fitting, 90	8
10	78961	• Valve, Check	4
11	85659-002	• Assembly, Hose	4
12	71401	• Plate, End	2
13		• • Washer, Flat	4
14		• • Washer, Lock	4
15		• • Bolt, Hex	4
16	85688	• Tube, Hydraulic-Loop Line	1

DASH (-) ITEM NOT ILLUSTRATED

HYDRAULIC DRIVE CYLINDER SUB-ASSEMBLY

B20
PARTS
GROUP 60
FIGURE 07
PAGE 01



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	73120	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	73120-SK	• Kit, Seal	1
8		• • Wiper, Rod	1
9		• • Bearing, Rod Bronze	1
10		• • Seal, Rod	1
11		• • Seal, Static	1
12		• • Seal, Static	1
13		• • Seal, Piston	1
14		• • Ring, Wear	1
15		• • Nut, Piston	2
16		• • Plug	4
17		• •	
18		• •	
19		• •	



TRAILER MOUNTED PUMP MODEL *B20*
ILLUSTRATED PARTS MANUAL

B20
PARTS
GROUP 60
FIGURE 08
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP 03 MODEL B20 ILLUSTRATED PARTS MANUAL GROUP 70 FRAME INSTALLATION CONTAINS THE FOLLOWING FIGURES:

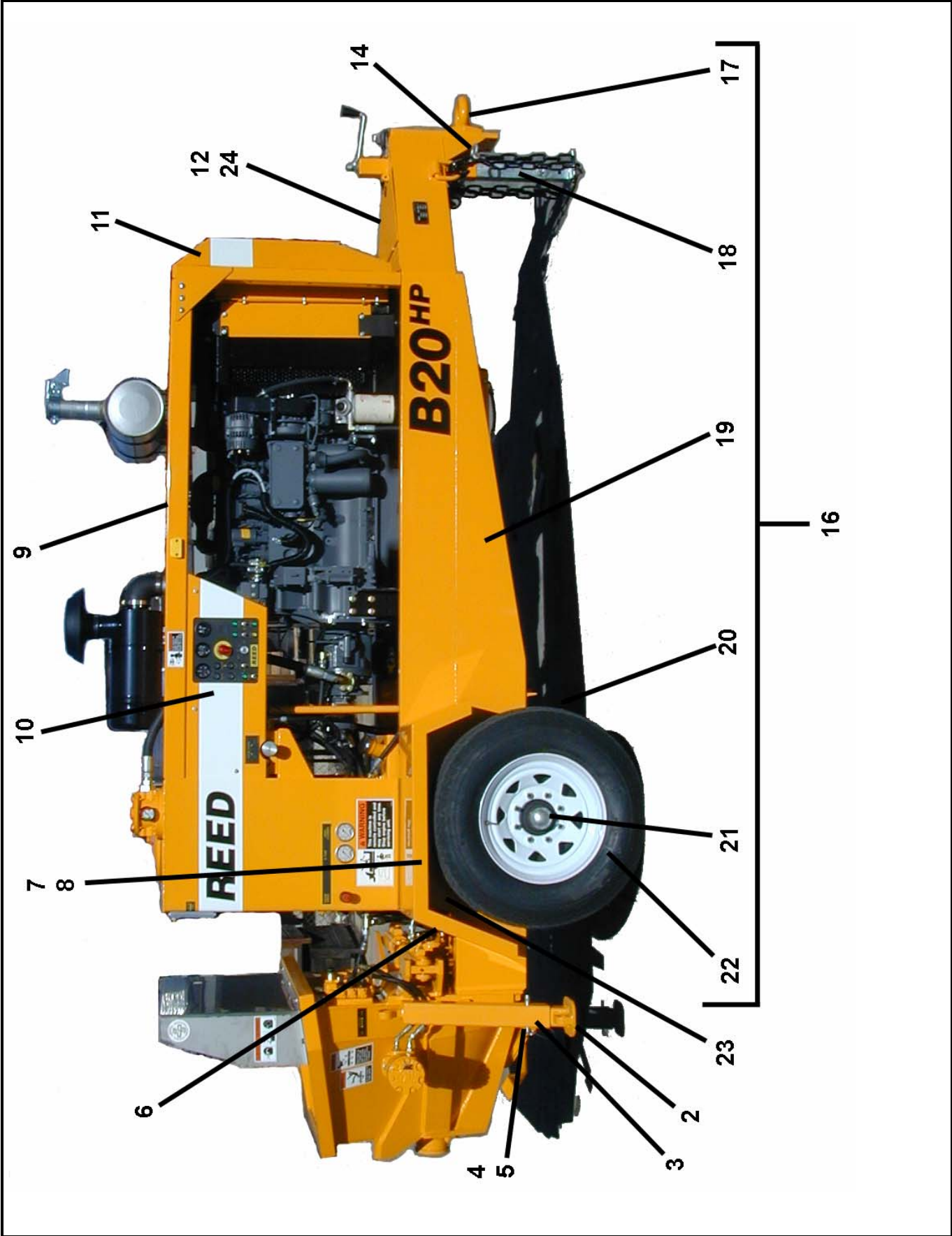
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** FRAME INSTALLATION
- FIGURE 02** HUB AND BRAKE ASSEMBLY
- FIGURE 03** NON-OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY
- FIGURE 04** OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY





FRAME INSTALLATION

B20
PARTS
GROUP 70
FIGURE 01
PAGE 01



REVISION:



FRAME INSTALLATION

B20
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, 02, 03 and 04 for NHA)	Ref
2	86553	• Weldment, Outrigger Inner	2
3	86550	• Weldment, Outrigger Outer Tube	2
4	85595	• Pin, Outrigger Safety	2
5	800418	• Lanyard, Q/R Pin	2
6	72948	• Light, Tail	2
7	85392	• Weldment, Right Fender	1
8	85393	• Weldment, Left Fender	1
9	87129	• Assembly, Top Panel	1
10	85391	• Cover, Control Box	1
11	87141	• Cover, Front	1
12	85338	• Cover, Tool Box	1
13	86533	• Assembly, Trailer Wiring Harness (See Schematic Section, Page 15 for REF)	1
14	87085	• Anchor, Shackle	2
15	86730	• Chain, 3/8 Proof Coil -6 FT	2
16	87216	• Assembly, Frame B20	1
17	87037	• • Draw Bar	1
18	85527	• • Weldment, Jack	1
19	87135	• • Weldment, Frame B20	1
20	85424	• • Axle	1
21	70-02	• • Assembly, Hub and Brake-See Figure 02	1
22	85423	• • Assembly, Wheel and Tire	2
23	72949	• Grommet, Trailer	3
24	72813	• Grommet, Tool Box	1

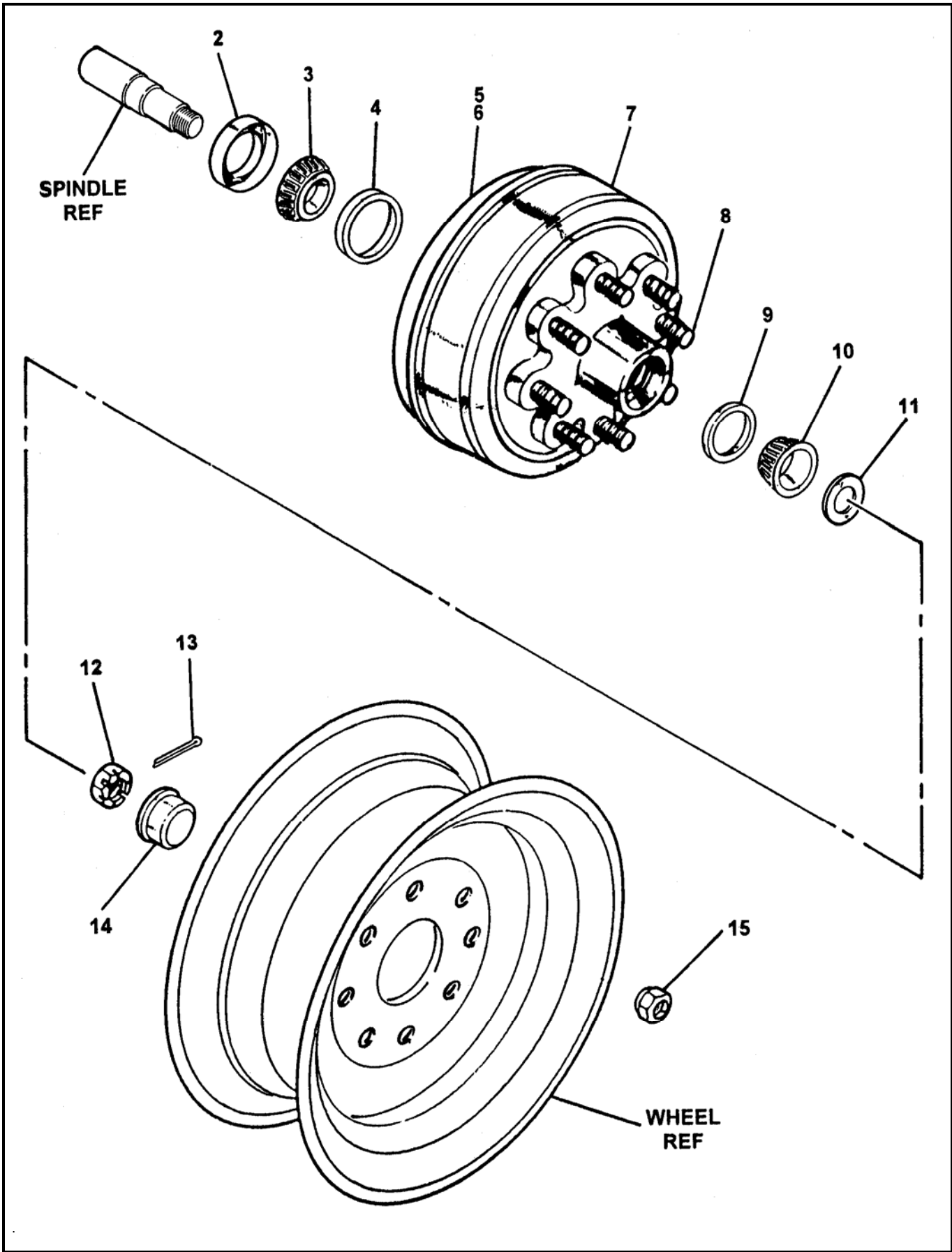
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



HUB AND BRAKE ASSEMBLY

B20
PARTS
GROUP 70
FIGURE 02
PAGE 01



REVISION:



HUB AND BRAKE ASSEMBLY

B20
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	86717	• Assembly, Drum And Hub	2
8	86716	• Stud, Wheel	16
9	86710	• Race, Outer Bearing	2
10	71098	• Bearing, Outer	2
11	86711	• Washer, Spindle	2
12	86712	• Nut, Spindle	2
13	86713	• Pin, Cotter	2
14	86714	• Cap, Dust	2
15	86715	• Nut, Wheel	16

DASH (-) ITEM NOT ILLUSTRATED

REVISION:





NON OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B20
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	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

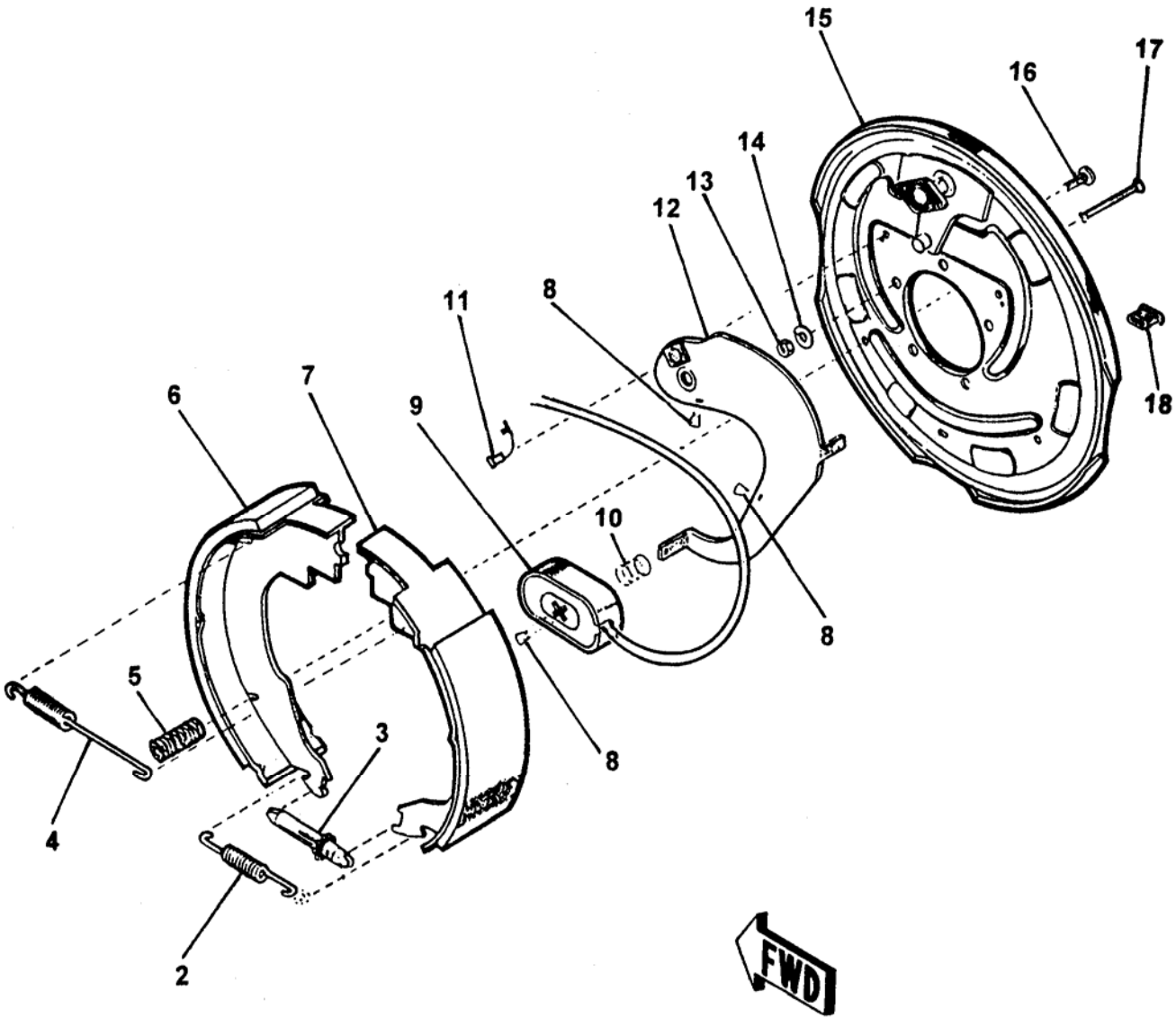
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY

B20
PARTS
GROUP 70
FIGURE 04
PAGE 01





OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B20
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 MODEL *B20*
ILLUSTRATED PARTS MANUAL

B20
PARTS
GROUP 70
FIGURE 05
PAGE 01

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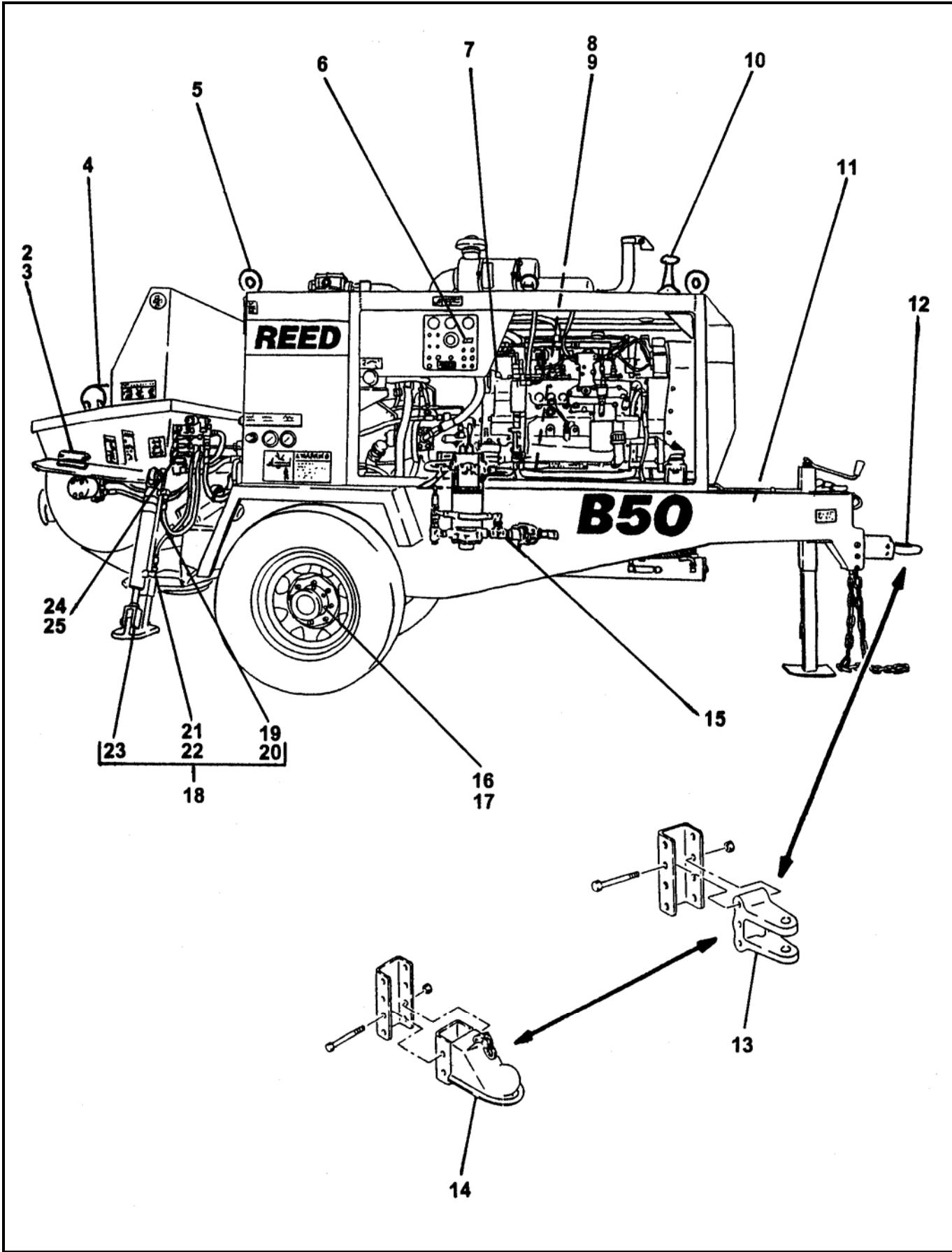
REED TRAILER MOUNTED CONCRETE PUMP 03 MODEL B20 ILLUSTRATED PARTS MANUAL GROUP 80 OPTIONAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

FIGURE 00	TABLE OF CONTENTS
FIGURE 01	OPTIONAL INSTALLATION
FIGURE 02	LUBE SYSTEM ASSEMBLY
FIGURE 03	12 VOLT LUBE PUMP ASSEMBLY
FIGURE 04	HOPPER VIBRATOR ASSEMBLY
FIGURE 05	THROTTLE SOLENOID ASSEMBLY
FIGURE 06	ACCUMULATOR CHARGE KIT
FIGURE 07	OPTIONAL TOOL KIT ASSEMBLY
FIGURE 08	ACTUATOR BRAKES ASSEMBLY
FIGURE 09	WATER PUMP INSTALLATION
FIGURE 10	WATER PUMP CONTROL VALVE ASSEMBLY
FIGURE 11	WATER PUMP MOTOR ASSEMBLY
FIGURE 12	WATER PUMP ASSEMBLY
FIGURE 13	NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
FIGURE 14	OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
FIGURE 15	HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY
FIGURE 16	1 SPOOL CONTROL VALVE ASSEMBLY
FIGURE 17	1 SPOOL CONTROL VALVE SUB-ASSEMBLY
FIGURE 18	2 SPOOL CONTROL VALVE ASSEMBLY
FIGURE 19	2 SPOOL CONTROL VALVE SUB-ASSEMBLY
FIGURE 20	SIDE DOOR ASSEMBLY
FIGURE 21	50 FEET STROKE COUNTER REMOTE CONTROLLER
FIGURE 22	100 FEET STROKE COUNTER REMOTE CONTROLLER



OPTIONAL INSTALLATION

B20
PARTS
GROUP 80
FIGURE 01
PAGE 01

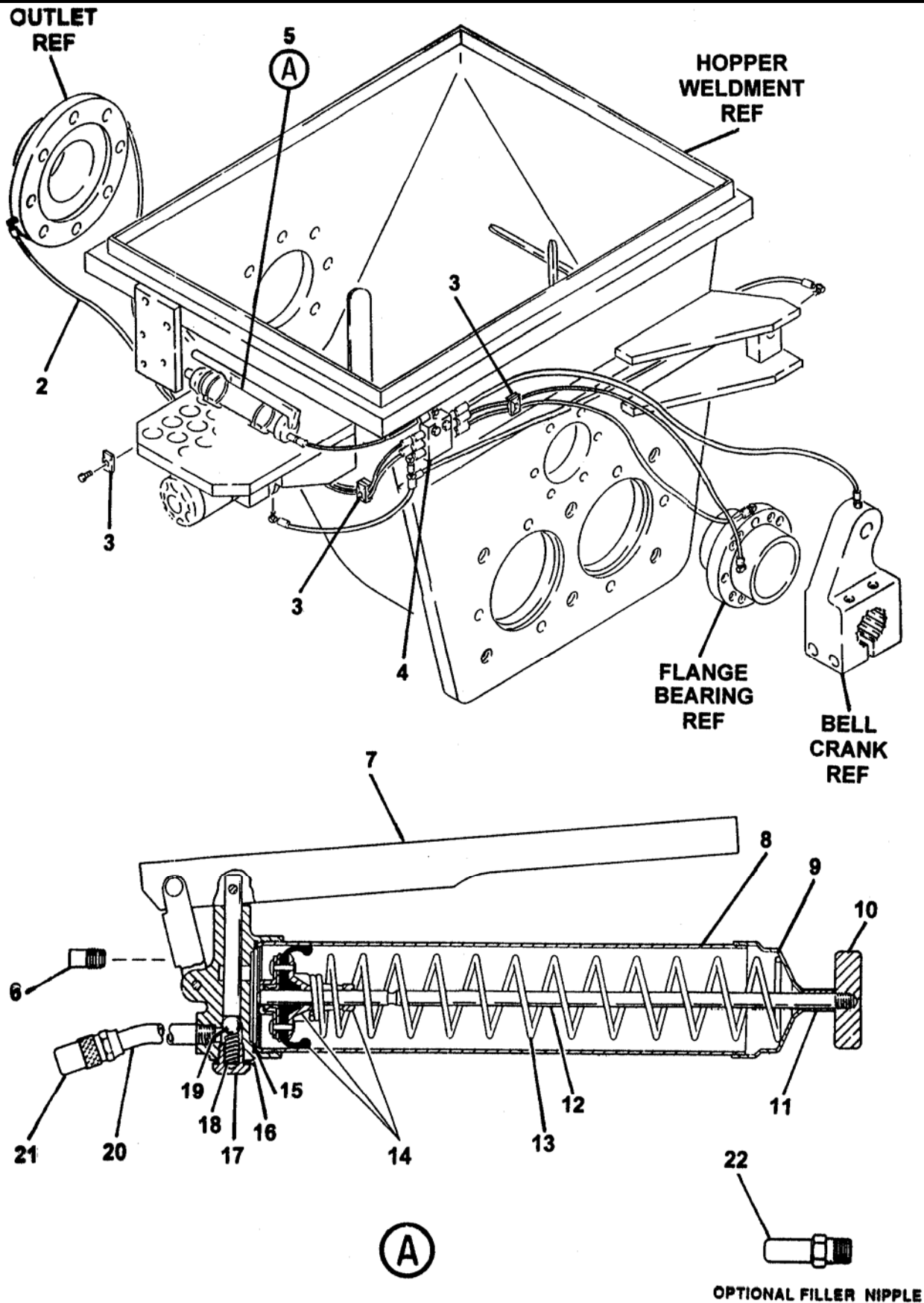


REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION 1 2 3 4 5	QTY
-1	80-01	Installation, Optional (See Group 10, Figure 01, 02, 03 and 04 for NHA)	Ref
2	80-02	• Assembly, Lube System (See Group 80, Figure 02 for DET)	1
3	78736	• Assembly, Lube Pump (See Group 80, Figure 03 for DET)	1
4	71429	• Assembly, Hopper Vibration (See Group 80, Figure 04 for DET)	1
5	85810	• Assembly, Optional Lifting	1
6	85774	• Assembly, Stroke Counter	1
7	77012	• Assembly, Throttle Solenoid (See Group 80, Figure 05 for DET)	1
8	71460	• Kit, Accumulator Charge (See Group 80, Figure 06 for DET)	1
9	30-11	• Kit, Bladder Repair (See Group 30, Figure 11 for REF)	1
10	85818	• Assembly, Radio Remote Control (See Group 50, Figure 05 for REF)	1
11	79020	• Assembly, Optional Tool Kit (See Group 80, Figure 07 for DET)	1
12	75413	• Assembly, Actuator Brake (See Group 80, Figure 08 for DET)	1
13	71050	• Assembly, Adjustable 1 Inch Clevis	1
14	71099	• Assembly, Adjustable Ball Coupler 2 – 5/16"	1
15	86400	• Installation, Water Pump (See Group 80, Figure 09 for DET)	1
16	80-13	• Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 13 for DET)	1
17	80-14	• Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 14 for DET)	1
18	85677	• Assembly, Hydraulic Outrigger	1
19	85685	• • Assembly, Tube	2
20	85686	• • Assembly, Tube	2
21	85659-010	• • Assembly, Hose (See Schematic Section, Figure 05 for REF)	4
22		• • Elbow, 90	4
23	85640	• • Assembly, Hydraulic Outrigger Cylinder (See Group 80, Figure 15 for DET)	2
24	80-16	• Assembly, 1 Spool Valve (See Group 80, Figure 16 for DET)	1
25	80-18	• Assembly, 2 Spool Valve (See Group 80, Figure 18 for DET)	1
-26	85943	• Assembly, Side Door (See Group 80, Figure 20 for DET)	1
-27	85960	• Assembly, 50 Feet Remote Control Stroke Counter (See Group 80, Figure 21 for DET)	1
-28	85960A	• Assembly, 100 Feet Remote Control Stroke Counter (See Group 80, Figure 22 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:





LUBE SYSTEM ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 02
PAGE 02

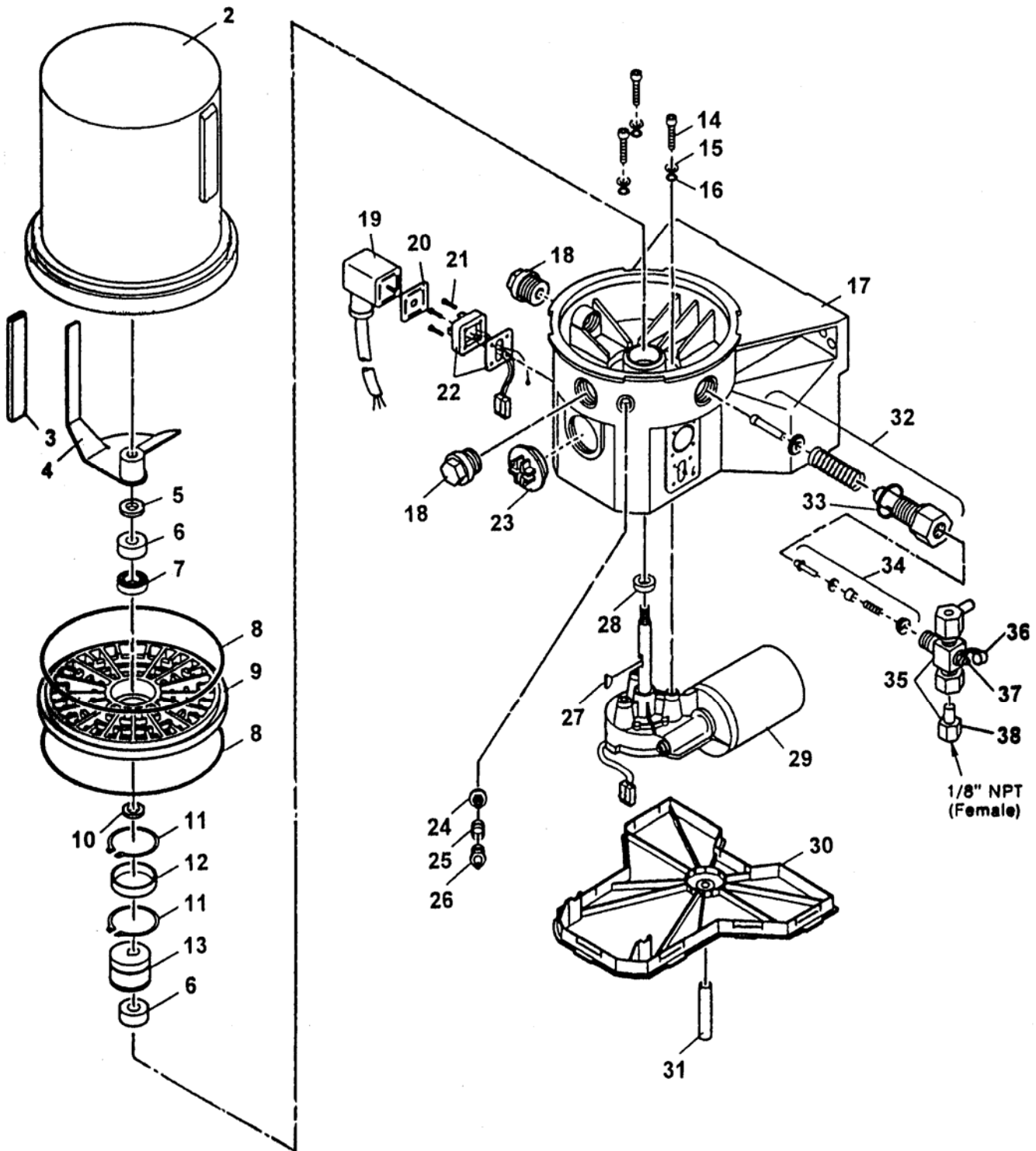
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-02	Assembly, Lube System (See Group 80, Figure 01 for NHA)	Ref
2		• Assembly, Lube Hose	A/R
3	75436	• Clamp, Pipe	3
4	72355	• Block, 6 Station Lube System	1
5	78532	• Gun, Grease	1
6		• • Plug	1
7		• • Handle, Pumping	1
8		• • Tube, Container	1
9		• • Cap, Tube	1
10		• • Handle, Follower	1
11		• • Spacer	1
12		• • Rod, Follower	1
13		• • Spring	1
14		• • Sub-Assembly, Follower	1
15		• • Packing, Container	1
16		• • Gasket	1
17		• • Housing, Spring	1
18		• • Spring	1
19		• • Ball, Check	1
20		• • Extension, Nozzle	1
21		• • Coupler, Hydraulic	1
22		• • Nipple, Filler (Optional Item)	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

LUBE PUMP ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 03
PAGE 01



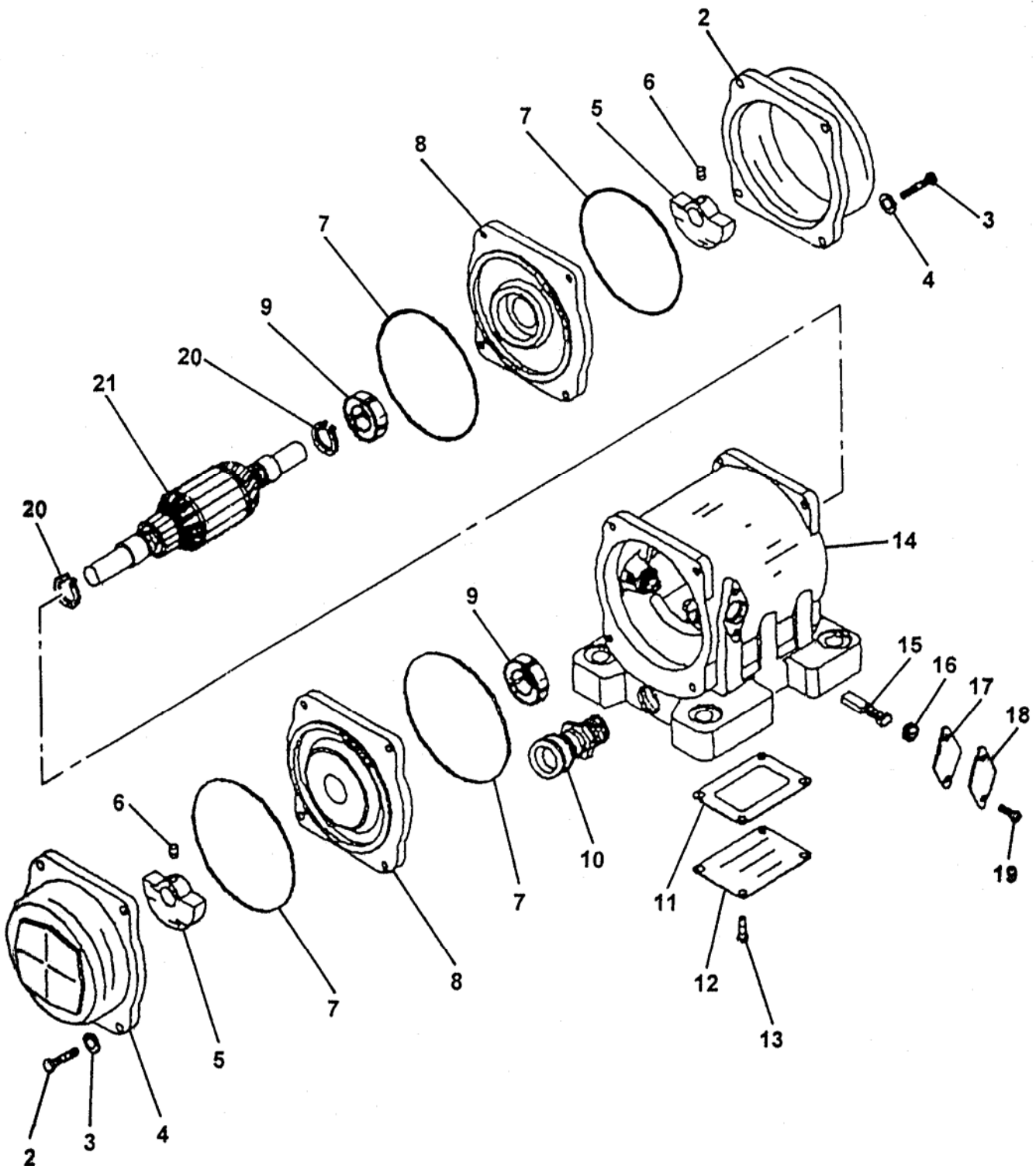
REVISION:

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, 12 VDC	1
30		• Cover, Housing	1
31		• Hose	1
32		• Element, Pump	1
33		• Gasket	1
34		• Valve, Check	1
35		• Assembly, Pressure Relies	1
36		• Cap, Grease	1
37		• Fitting, Grease	1
38		• Assembly, Adapter for Relief	1

DASH (-) ITEM NOT ILLUSTRATED

HOPPER VIBRATOR ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 04
PAGE 01



REVISION:



HOPPER VIBRATOR ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 04
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

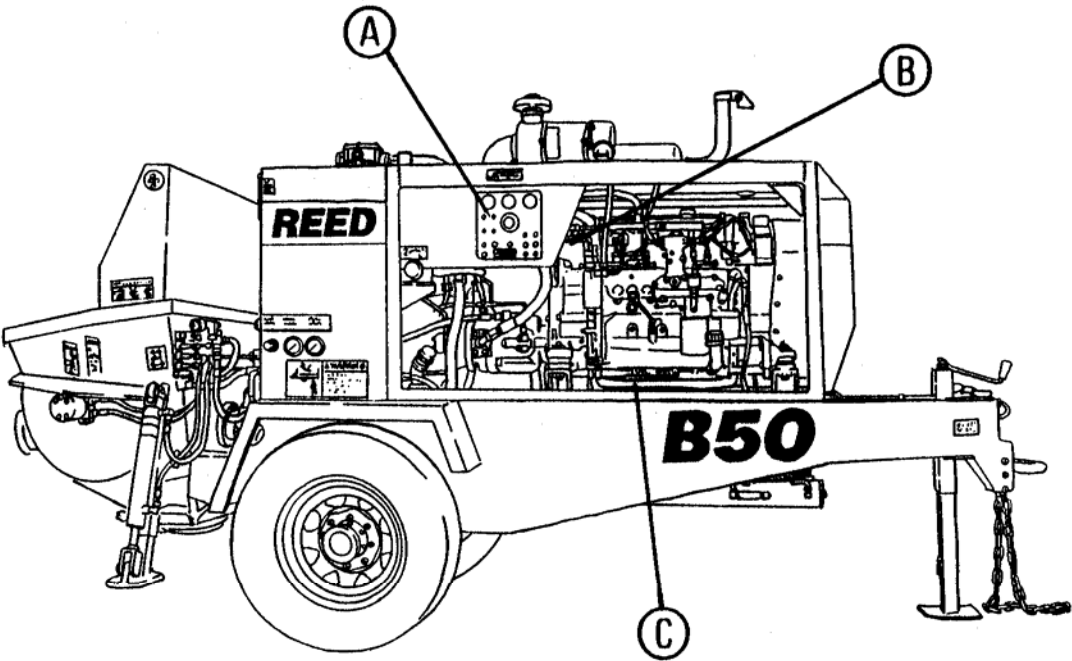
DASH (-) ITEM NOT ILLUSTRATED

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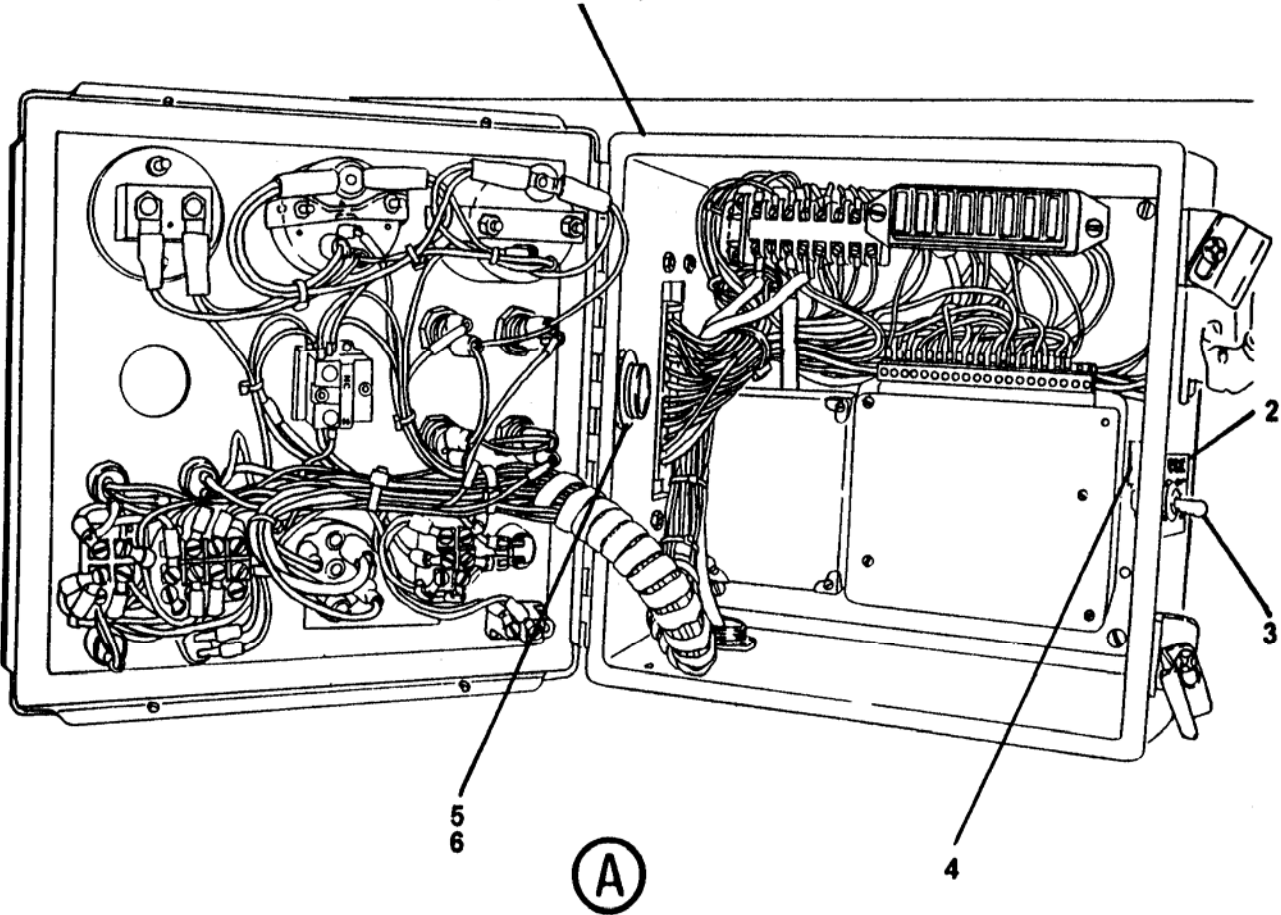


THROTTLE SOLENOID ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 05
PAGE 01



CONTROL BOX REF
(P/N:85358)





THROTTLE SOLENOID ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 05
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86134	Assembly, Throttle Solenoid (See Group 80, Figure 01 for NHA)	Ref
2	86131	• Case, Charge Kit	1
3	72965	• Switch, ON/OFF/ON Toggle	1
4	71955	• Relay, 12V	1
5	10523	• Relief, Strain	1
6	10528	• Nut, Bonding Type Lock	1
7	77012	• Solenoid, Throttle	1
8		• • Solenoid	1
9	71955	• • Relay, 12V	1
10	72294	• • Bolt, Throttle Control	1
11	78202	• • Coupler	1
12	85615	• Cable, 7 Feet 14AWG-2C	A/R
13	85617	• Cable, 6 Feet 14AWG-4C	A/R
14	801359	• Holder, Fuse with Cover	1
15	801360	• Fuse, 50AMP	1
16		• Bolt, Hex	1
17		• Washer, flat	2
18		• Nut, Lock	1

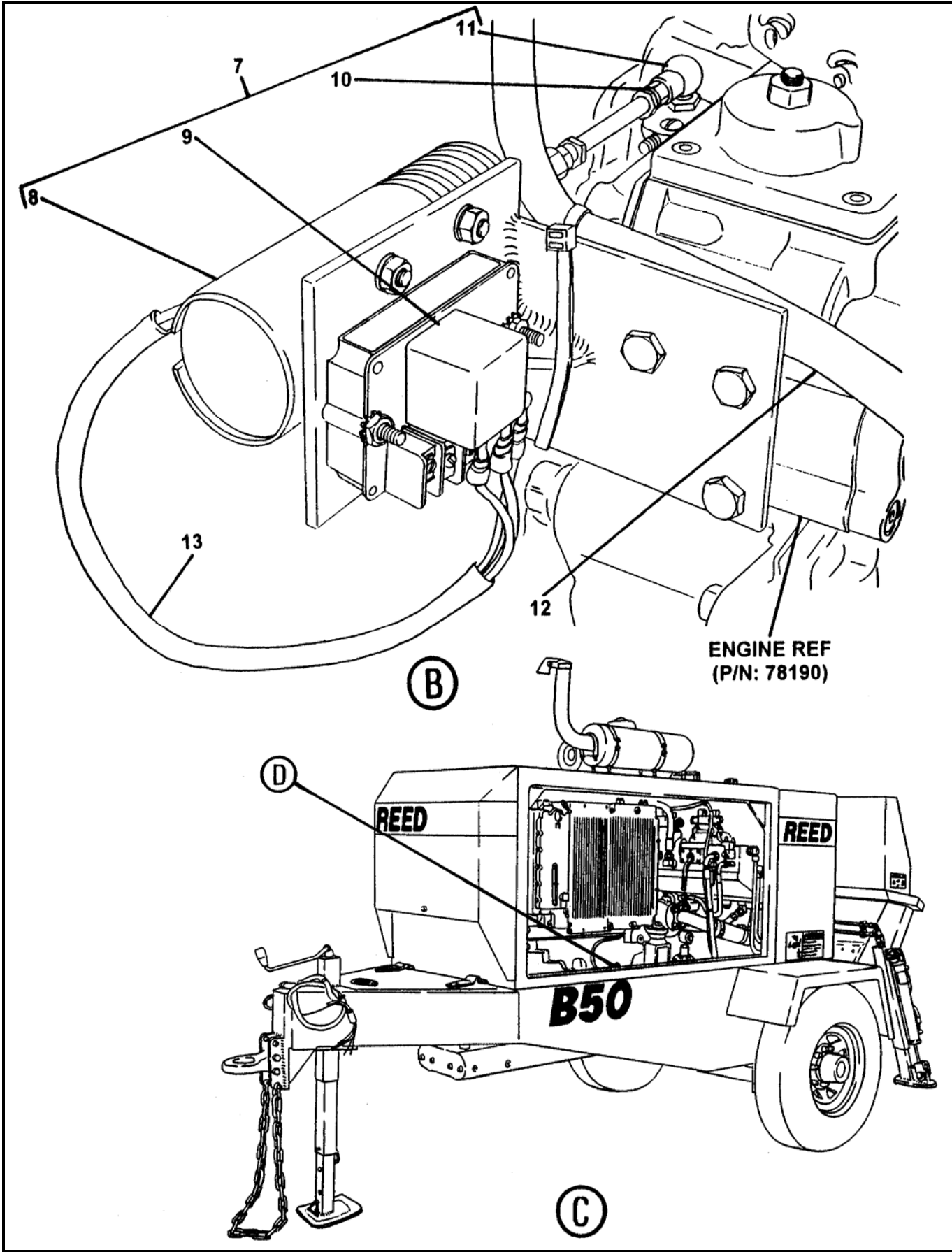
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



THROTTLE SOLENOID ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 05
PAGE 03

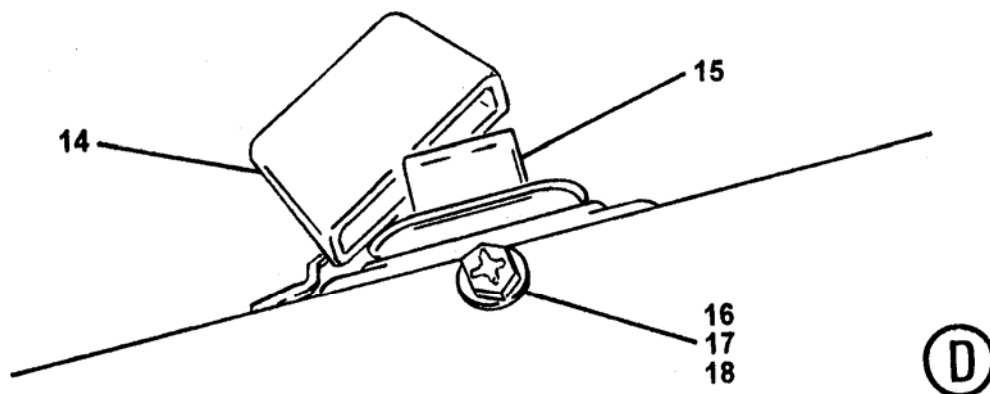


REVISION:



THROTTLE SOLENOID ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 05
PAGE 04



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
-1	86134	1 2 3 4 5 Assembly, Throttle Solenoid (See Group 80, Figure 01 for NHA)	Ref
2	86131	• Case, Charge Kit	1
3	72965	• Switch, ON/OFF/ON Toggle	1
4	71955	• Relay, 12V	1
5	10523	• Relief, Strain	1
6	10528	• Nut, Bonding Type Lock	1
7	77012	• Solenoid, Throttle	1
8		• • Solenoid	1
9	71955	• • Relay, 12V	1
10	72294	• • Bolt, Throttle Control	1
11	78202	• • Coupler	1
12	85615	• Cable, 7 Feet 14AWG-2C	A/R
13	85617	• Cable, 6 Feet 14AWG-4C	A/R
14	801359	• Holder, Fuse with Cover	1
15	801360	• Fuse, 50AMP	1
16		• Bolt, Hex	1
17		• Washer, flat	2
18		• Nut, Lock	1

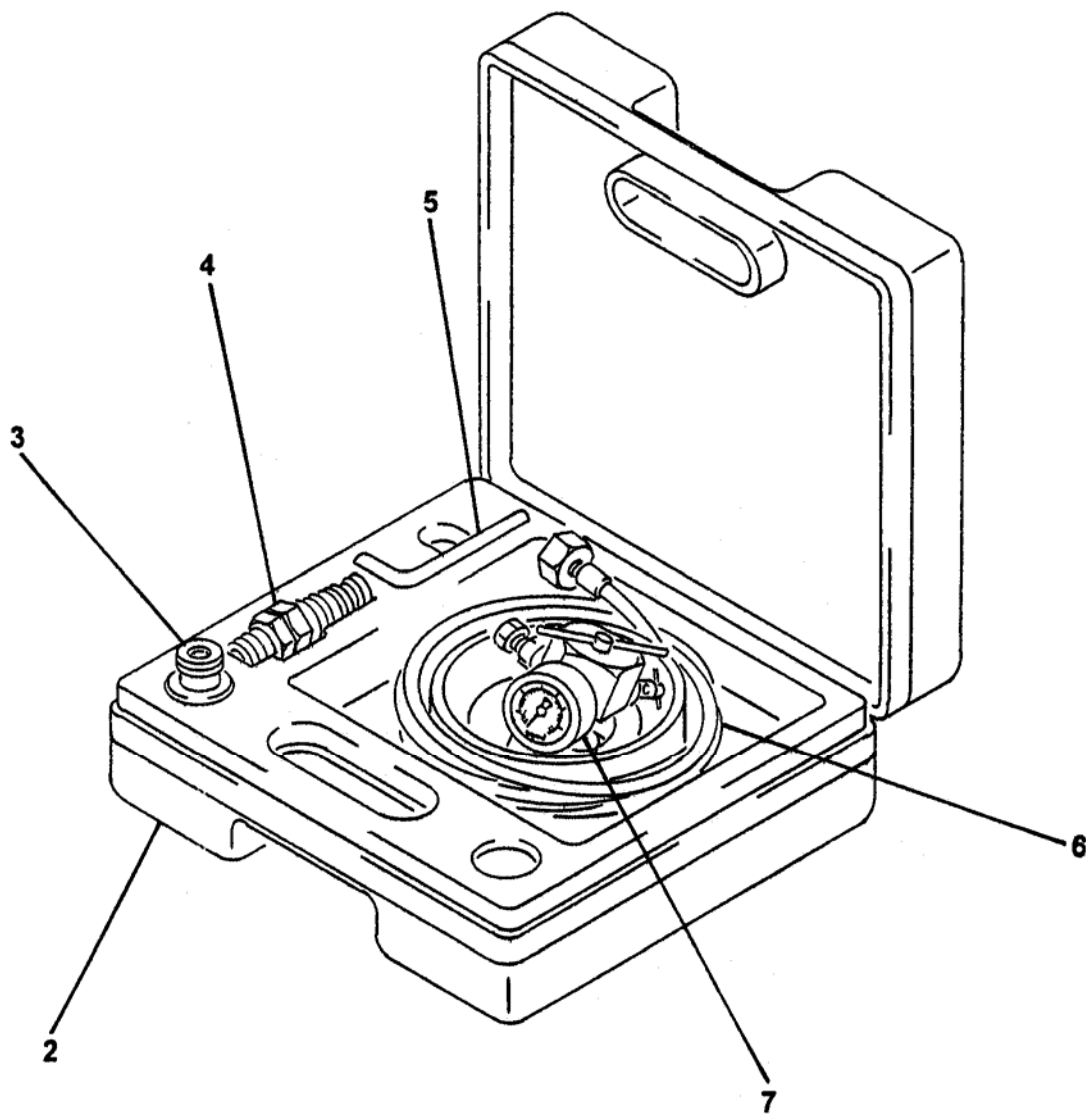
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



ACCUMULATOR CHARGE KIT

B20
PARTS
GROUP 80
FIGURE 06
PAGE 01





ACCUMULATOR CHARGE KIT

B20
PARTS
GROUP 80
FIGURE 06
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 Gagging	1

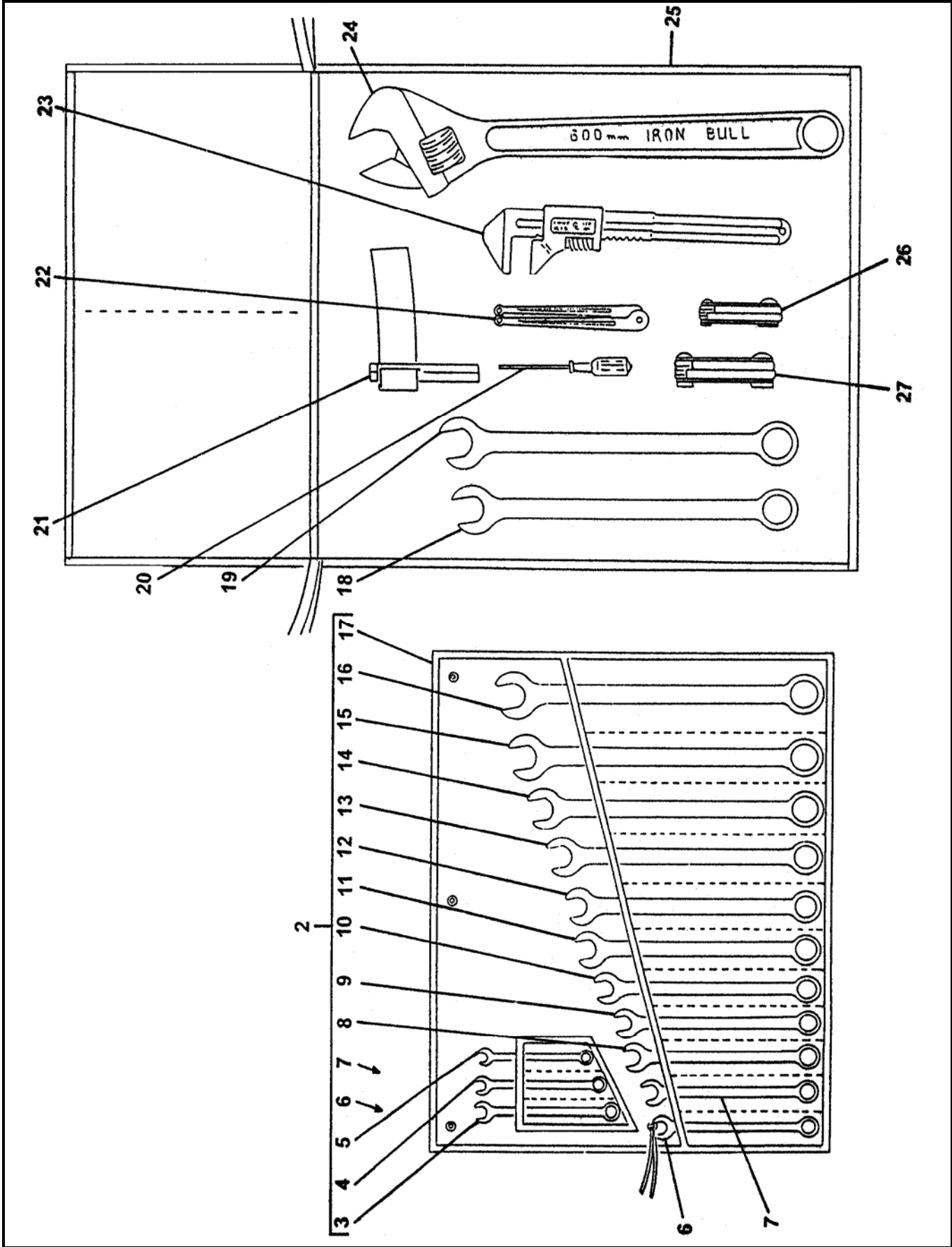
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



OPTIONAL TOOL KIT ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 07
PAGE 01



REVISION:



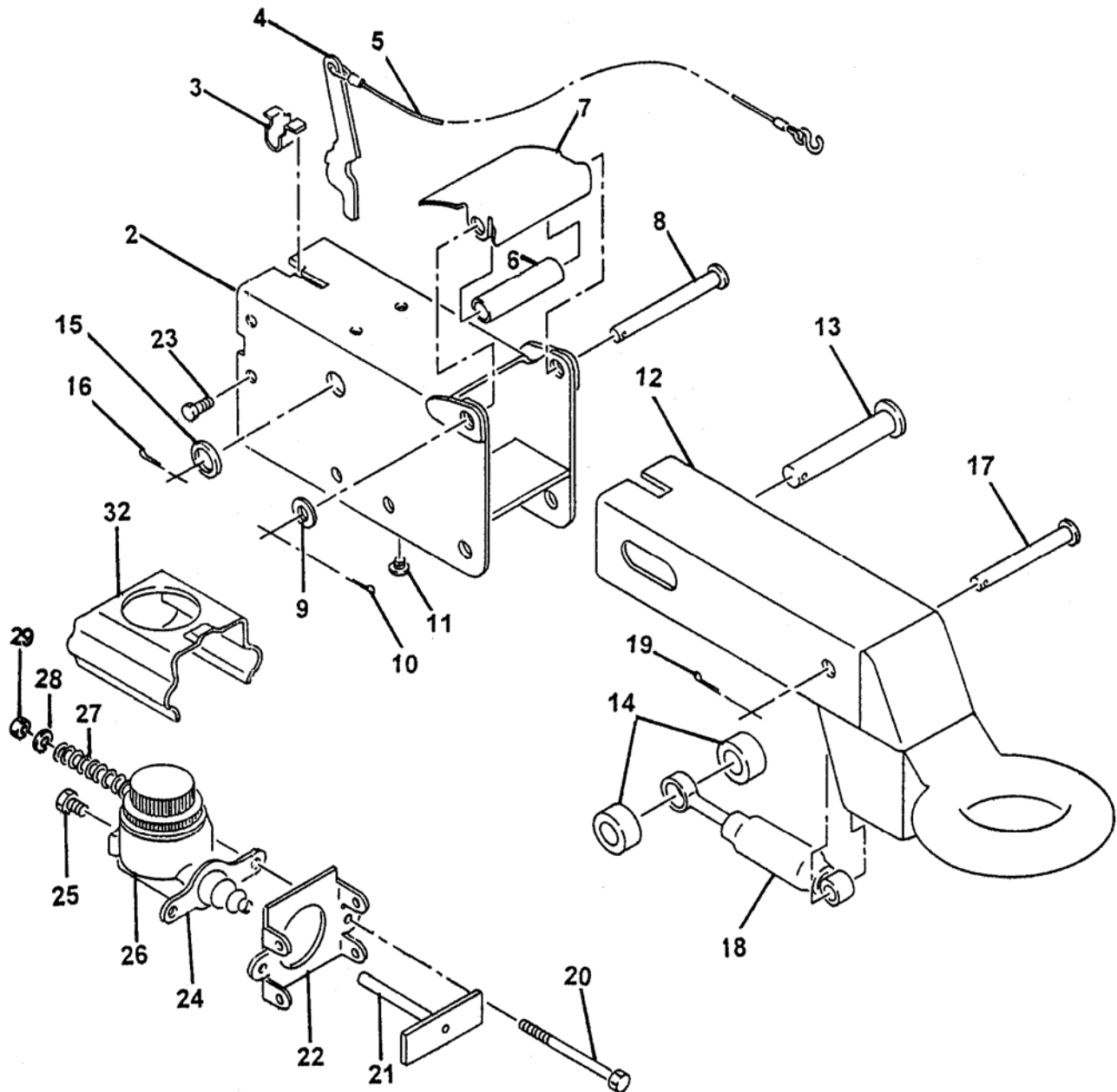
OPTIONAL TOOL KIT ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 07
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:

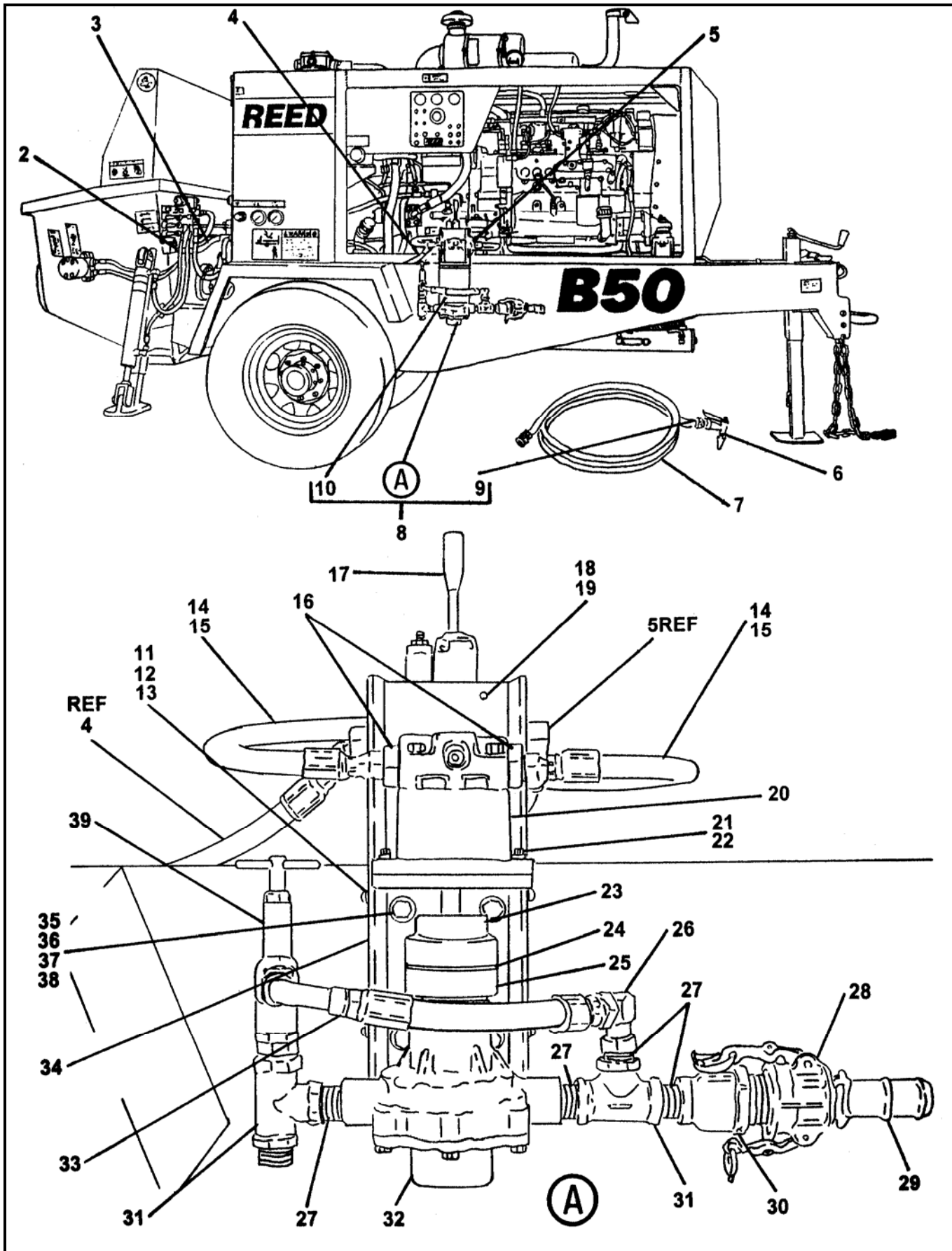


ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	75413	Assembly, Actuator Brakes (See Group 80, Figure 01 for NHA)	Ref
2		• Case, Outer	1
3		• Spring, Breakaway	1
4		• Lever, Breakaway Pin	1
5		• • S-Hook	1
6		• Roller, Front	1
7		• Cover, Front Roller	1
8		• Pin, Front Roller	1
9		• Washer,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

DASH (-) ITEM NOT ILLUSTRATED

WATER PUMP INSTALLATION

B20
PARTS
GROUP 80
FIGURE 09
PAGE 01



REVISION:

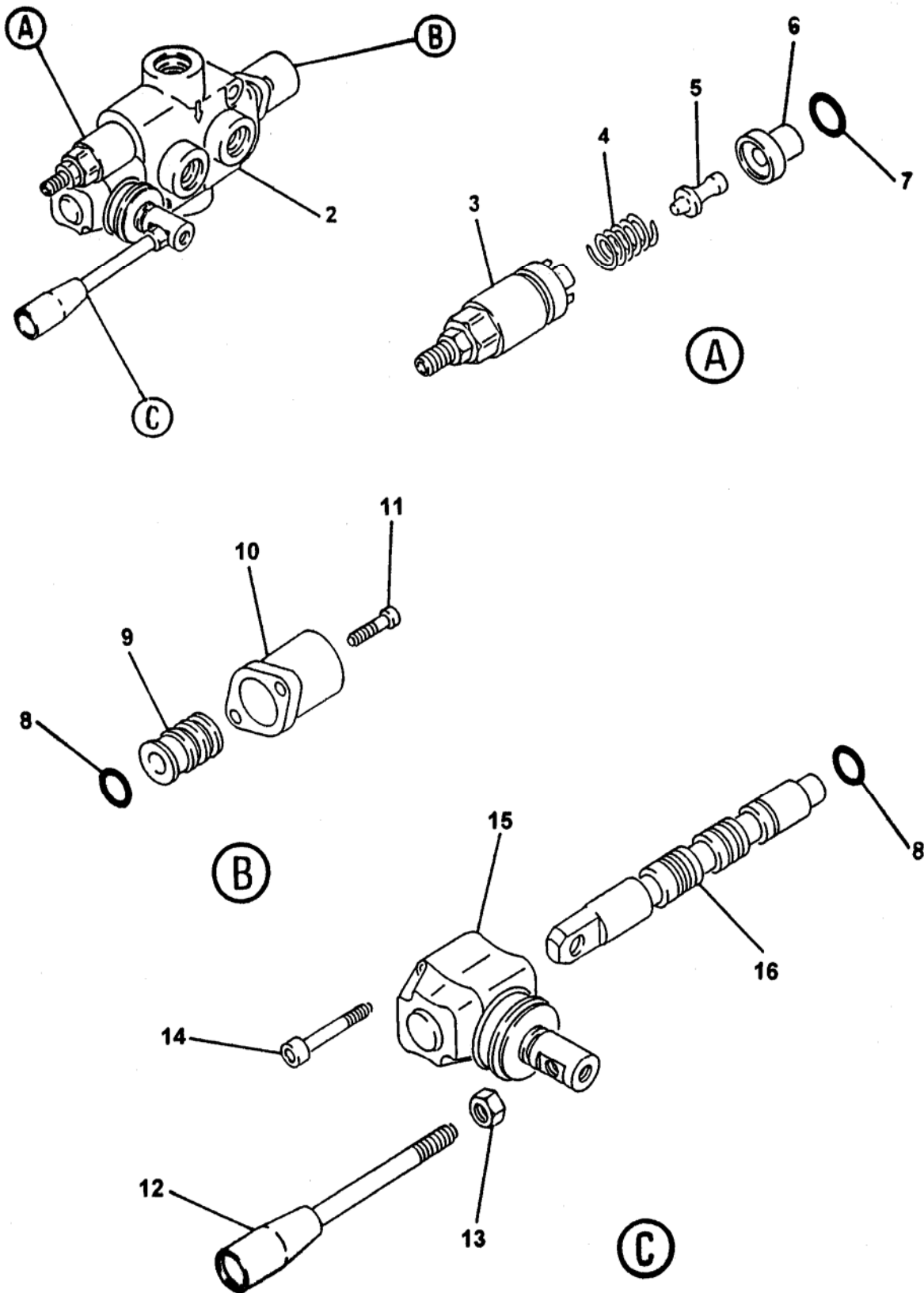
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86400	Installation, Water Pump (See Group 80, Figure 01 for NHA)	Ref
2	86384	• Sleeve, Power Beyond	1
3		• Assembly, Hose	1
4		• Assembly, Hose	1
5		• Assembly, Hose	1
6	800098	• Nozzle, Garden Hose	1
7	86267	• Hose, Garden 20 FT	1
8	86200	• Kit, Wash Pump	1
9	800371	• • Fitting, Garden Hose	1
10	86199	• • Cover, Wash Pump	1
11		• • Screw (attaching parts)	4
12		• • Washer, SPL Lock (attaching parts)	4
13		• • Washer, Flat (attaching parts)	4
14		• • Fitting, 90	2
15	85658-002	• • Assembly, Hose	2
16		• • Fitting, STR	2
17	86397	• • Assembly, Water Pump Control Valve (See Group 80, Figure 10 for DET)	1
18		• • Bolt (attaching parts)	2
19		• • Washer, SPL Lock (attaching parts)	2
20	78152	• • Assembly, Water Pump Motor (See Group 80, Figure 11 for DET)	1
21		• • Bolt, Hex (attaching parts)	2
22		• • Washer, SPL Lock (attaching parts)	2
23	78153	• • Coupling, Wash Motor	1
24	78155	• • Spider	1
25	78154	• • Coupling, Wash Pump	1
26		• • Fitting, 90	1
27	40047	• • Nipple, Close, Pipe	5
28	10947	• • Coupling, Female Cam / Groove	1
29	10948	• • Coupling, Male Cam / Groove	1
30	86398	• • Reducer, Bell	1
31	10228	• • Tee	2
32	78157	• • Assembly, Water Pump (See Group 80, Figure 12 for DET)	1
33	85657-022	• • Assembly, Hose	1
34	86196	• • Weldment, Wash Pump Base	1
35		• • Bolt, Hex (attaching parts)	4
36		• • Washer, Flat (attaching parts)	8
37		• • Washer, SPL Lock (attaching parts)	4
38		• • Nut, Lock (attaching parts)	4
39	78128	• • Valve, Relief	1

DASH (-) ITEM NOT ILLUSTRATED



WATER PUMP CONTROL
VALVE ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 10
PAGE 01



REVISION:



WATER PUMP CONTROL VALVE ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 10
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86397	Assembly, Water Pump Control Valve (See Group 80, Figure 09 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		• Kit, Spool Control	1
10		• Cap, Spool	1
11		• Screw, SOC (attaching Parts)	2
12		• Handle, Remixer Valve	1
13		• Nut (attaching parts)	1
14		• Screw, SOC	2
15		• Lever, L	1
16		• Spool	1

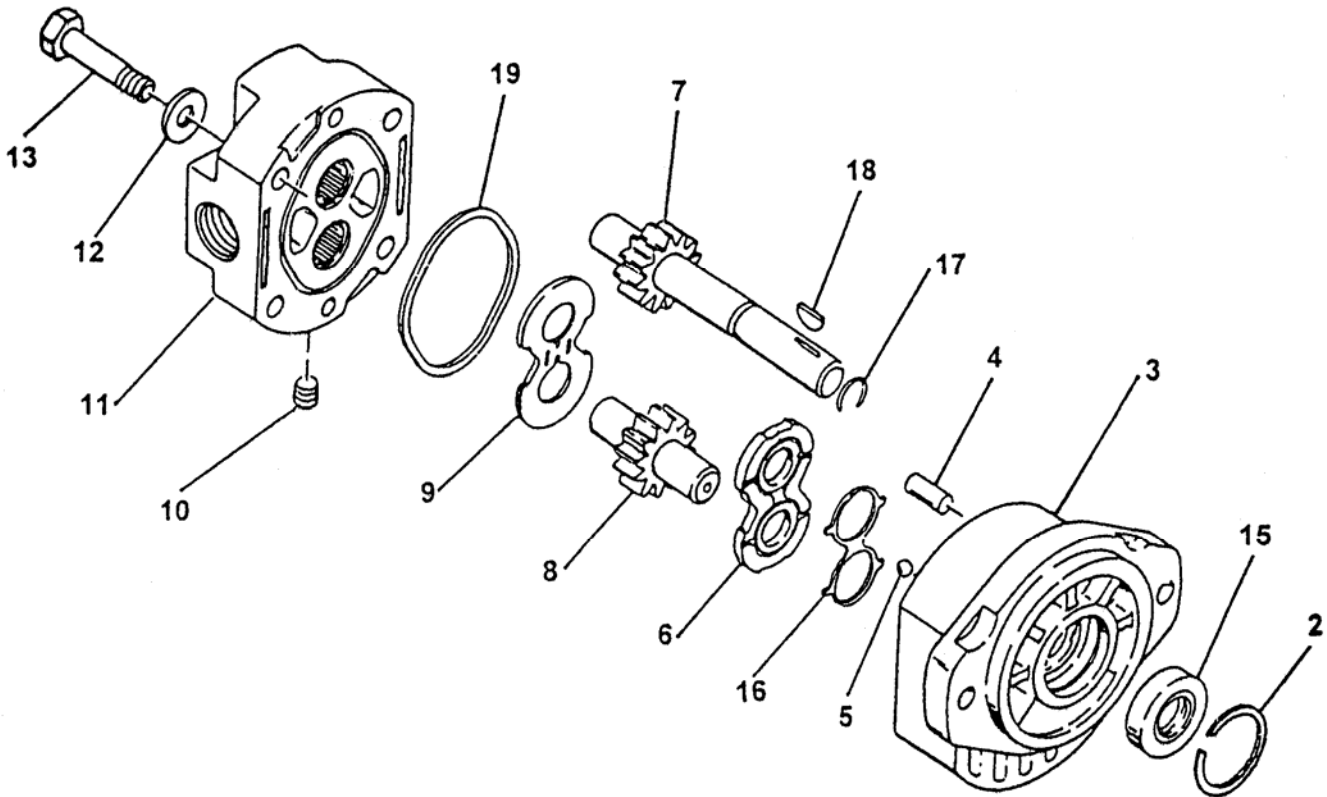
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



WATER PUMP MOTOR ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 11
PAGE 01



REVISION:



WATER PUMP MOTOR ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 11
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 09 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

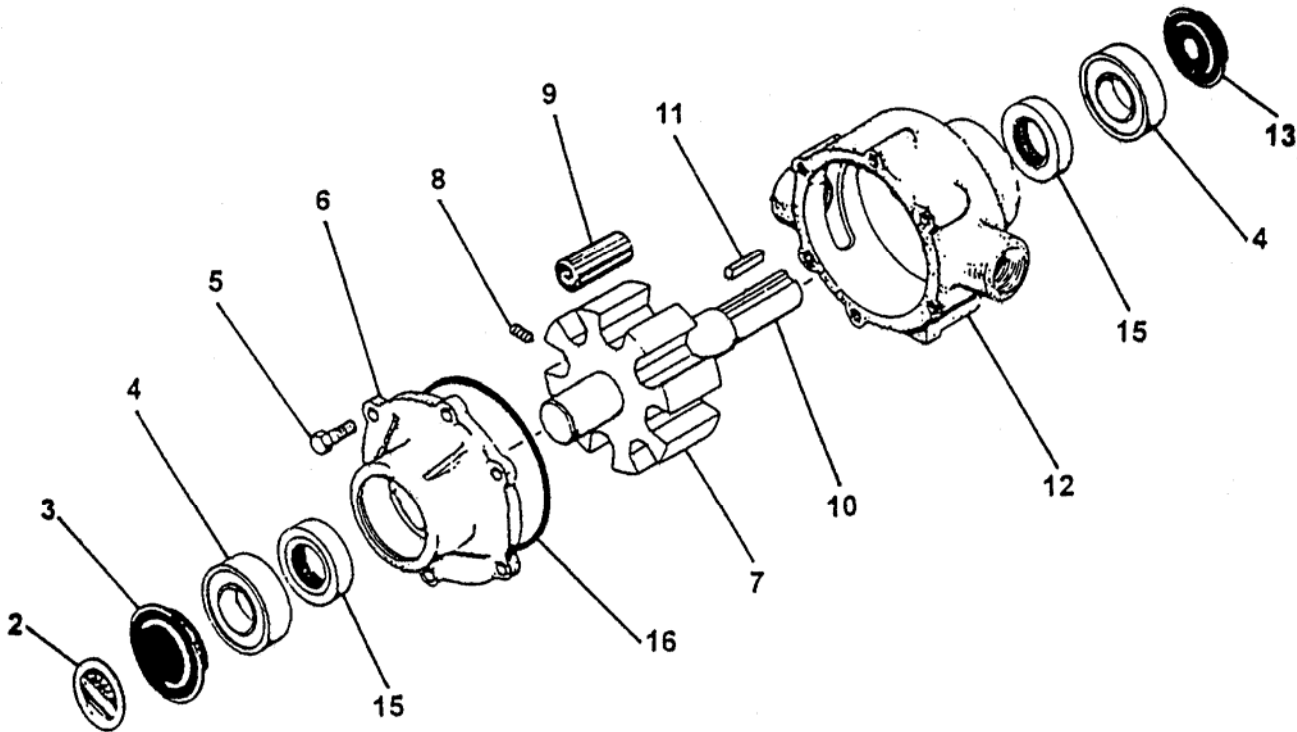
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



WATER PUMP ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 12
PAGE 01



REVISION:



WATER PUMP ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 12
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 09 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	72329	• Kit, Seal	1
15		• • Seal, Buna	2
16		• • Gasket, End Plate O-Ring	1

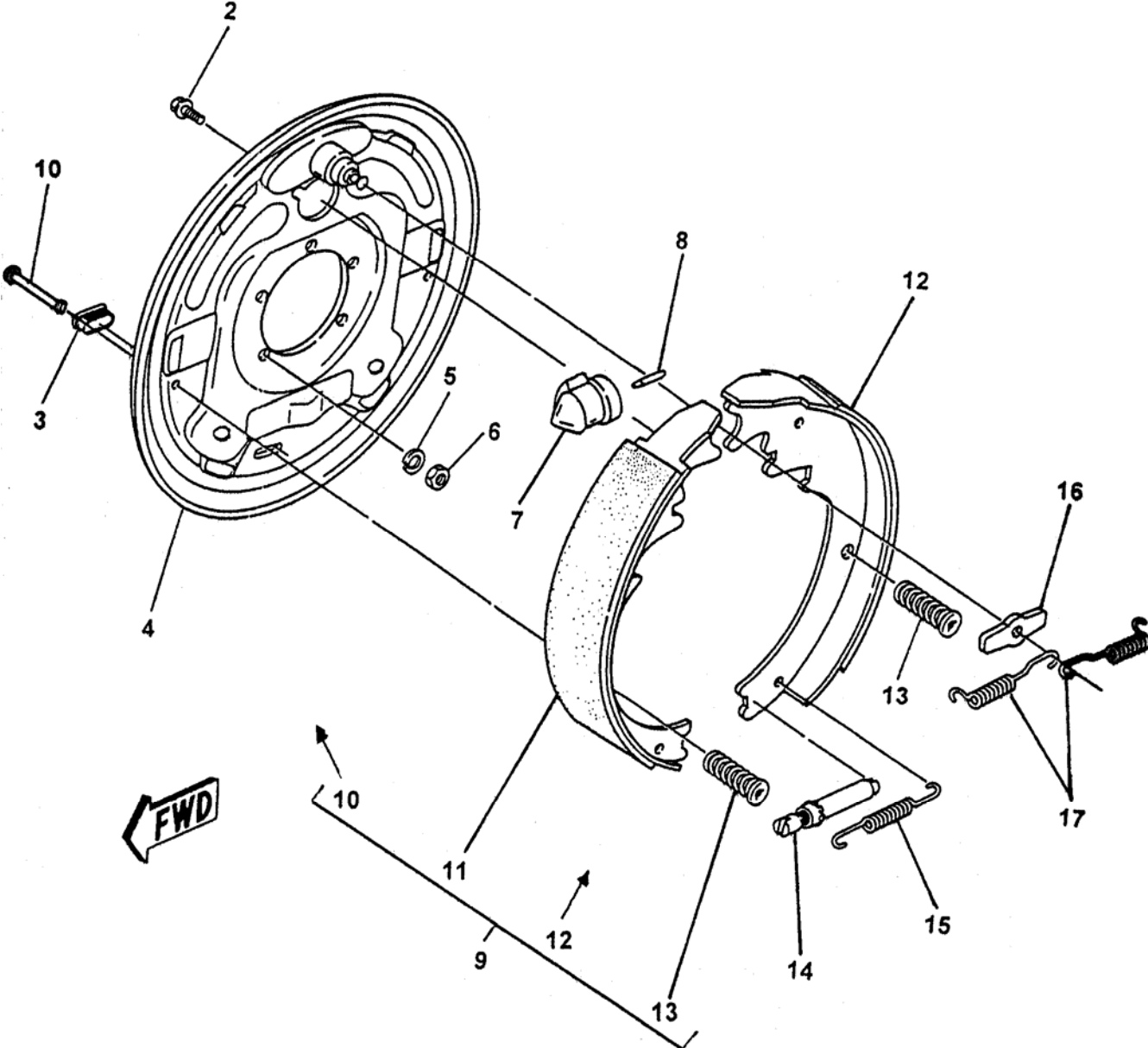
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



NON-OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 13
PAGE 01



REVISION:



NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 13
PAGE 02

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-12	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

B20
PARTS
GROUP 80
FIGURE 14
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-13	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

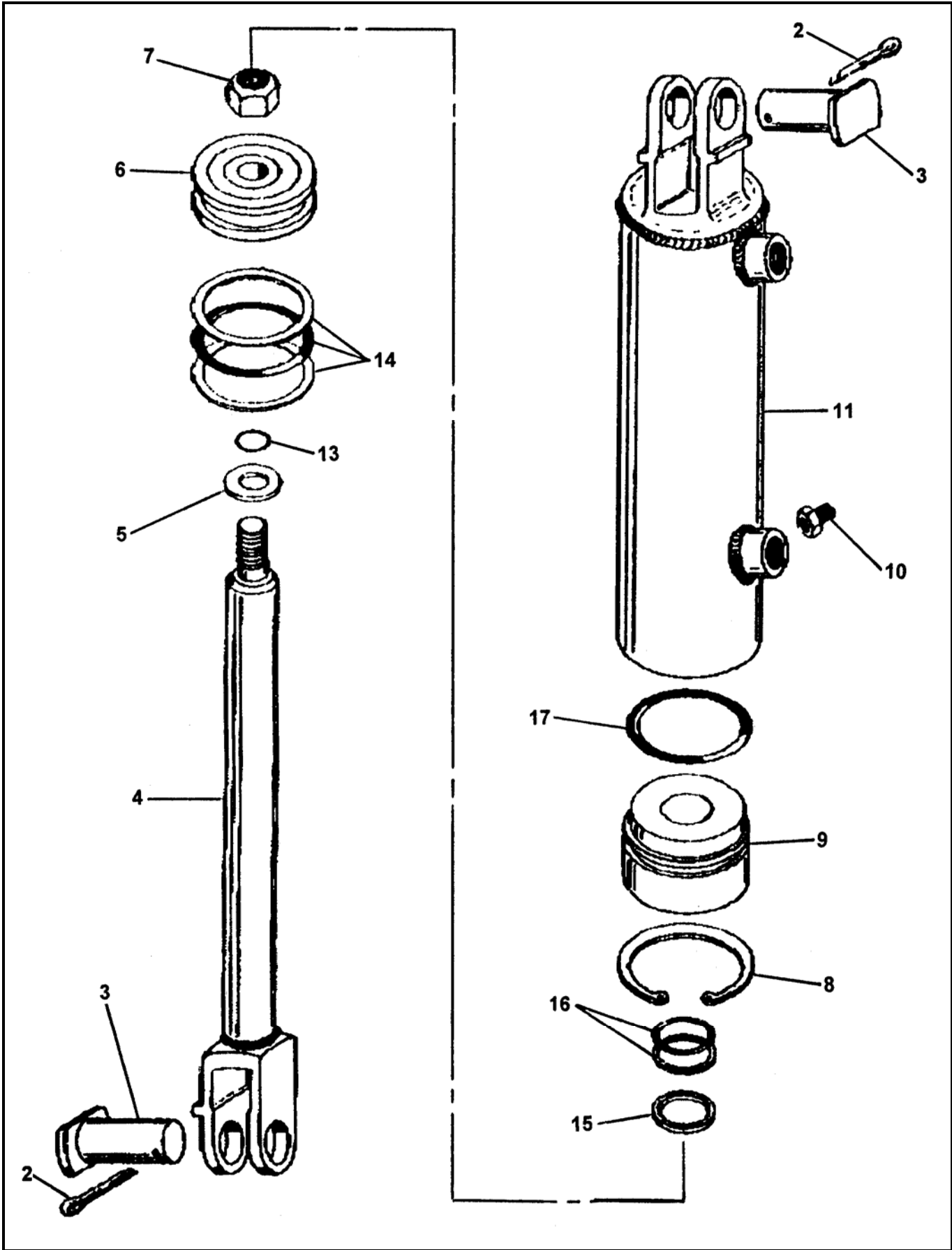
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 15
PAGE 01



REVISION:



HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 15
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85640	Assembly, Hydraulic Outrigger Cylinder (See Group 80, Figure 01 for NHA)	Ref
2		• Pin, Safety	2
3		• Pin, Clevis	2
4		• Assembly, Shaft	1
5		• Washer, Steel	1
6		• Piston	1
7		• Nut, Piston Lock	1
8		• Ring, Head Lock	1
9		• Head	1
10		• Screw, Head Set	1
11		• Assembly, Tube	1
-12	74497	• Kit, Seal	1
13		• • O-Ring, Small	1
14		• • Sub-Assembly, Piston O-Ring	1
15		• • Wiper, Rod	1
16		• • Packing, Shaft (Pair)	1
17		• • O-Ring, Head	1

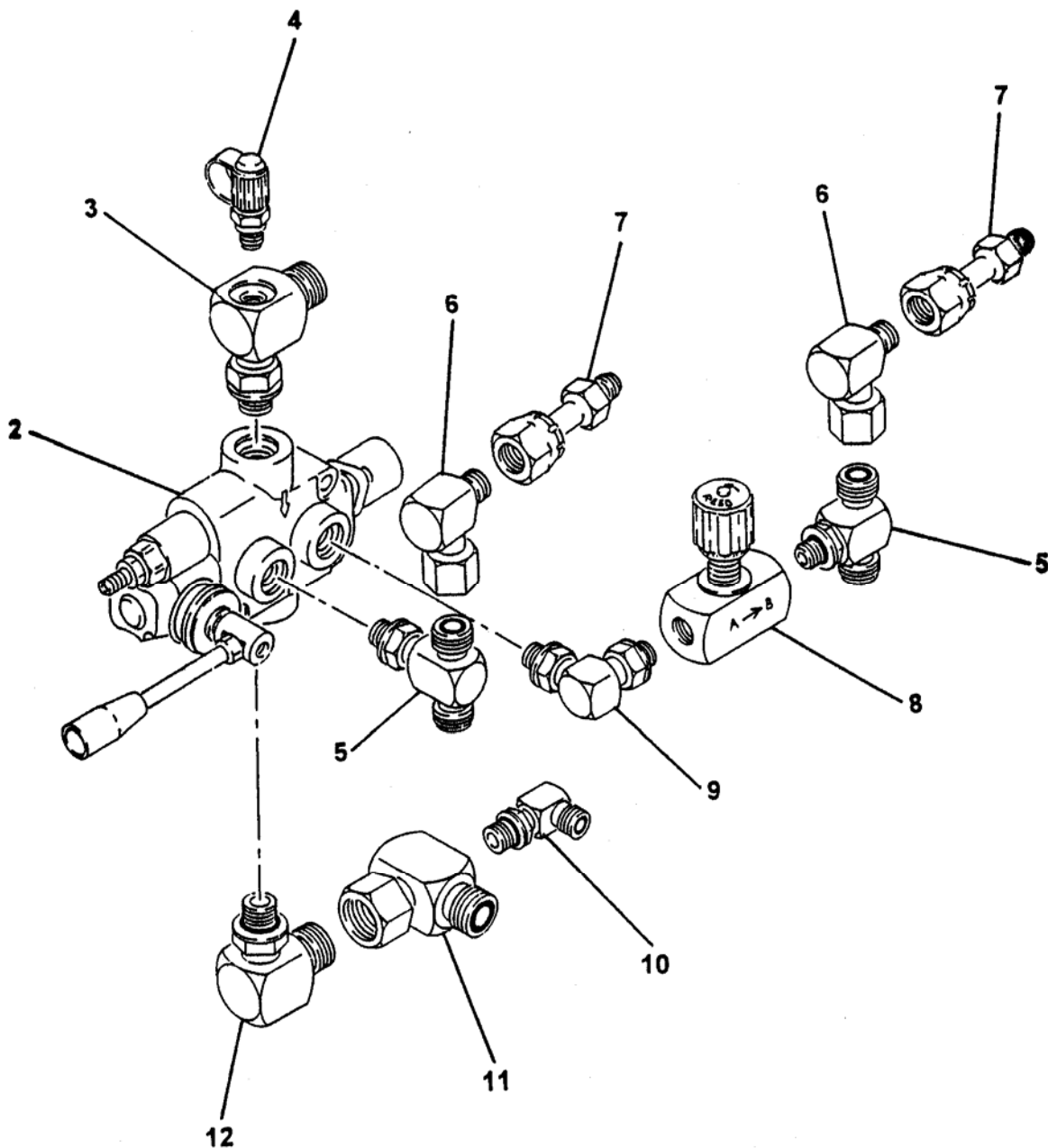
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



1 SPOOL CONTROL
VALVE ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 16
PAGE 01



REVISION:



1 SPOOL CONTROL VALVE ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 16
PAGE 02

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-16	Assembly, 1 Spool Control Valve (See Group 80, Figure 01 for NHA)	Ref
2	74584	• Sub-Assembly, 1 Spool Control Valve (See Group 80, Figure 17 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Tee	2
6		• Fitting, 90	2
7		• Fitting, Connector	2
8		• Controller, Check	1
9		• Fitting, 90	1
10		• Fitting, 90	1
11		• Tee, Special Drill	1
12		• Fitting, 90	1

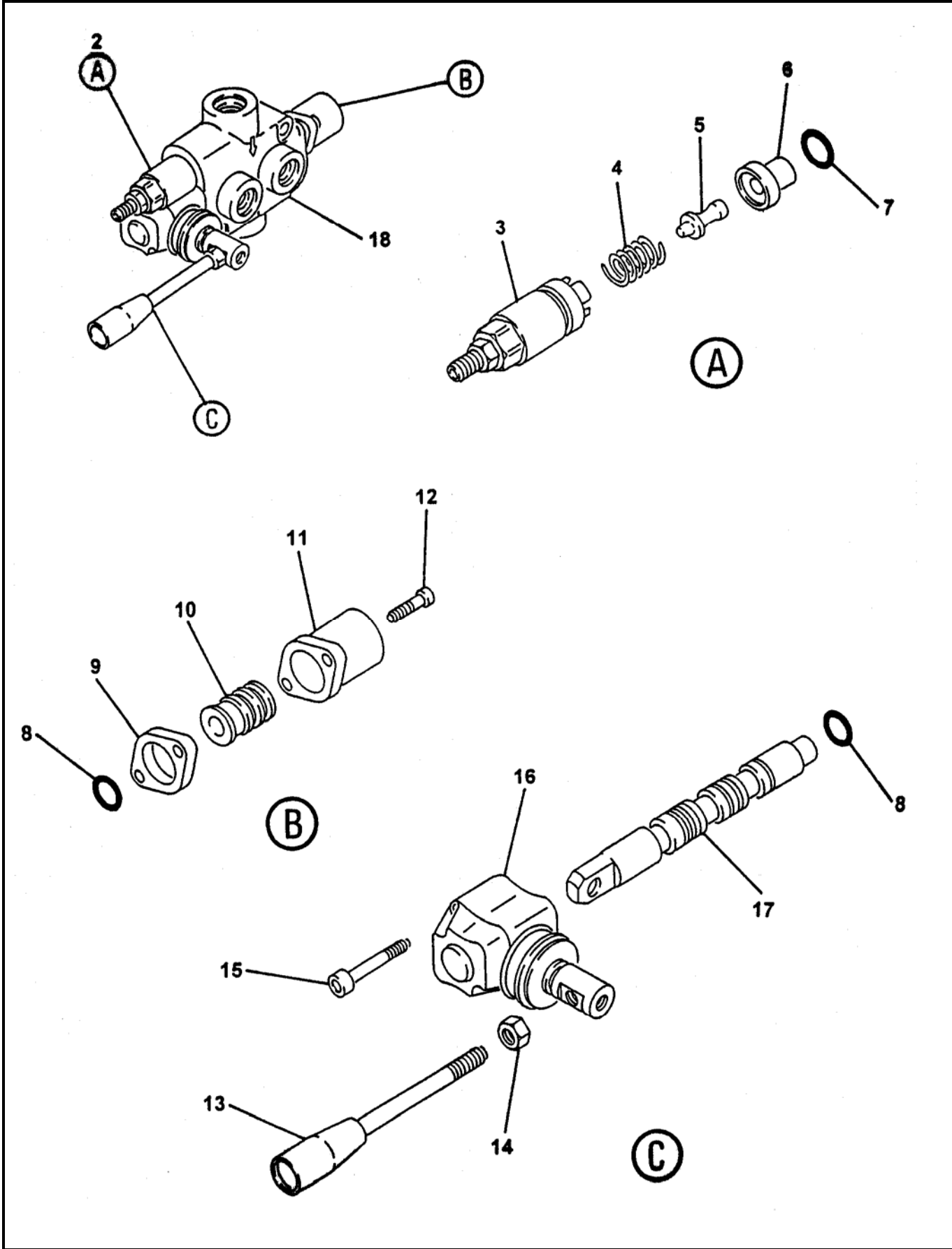
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



1 SPOOL CONTROL
VALVE SUB-ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 17
PAGE 01



REVISION:



1 SPOOL CONTROL VALVE SUB-ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 17
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	74584	Sub-Assembly, 1 Spool Control Valve (See Group 80, Figure 16 for NHA)	Ref
2	85706	• Cartridge, Relief	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
18		• Body, Valve	1

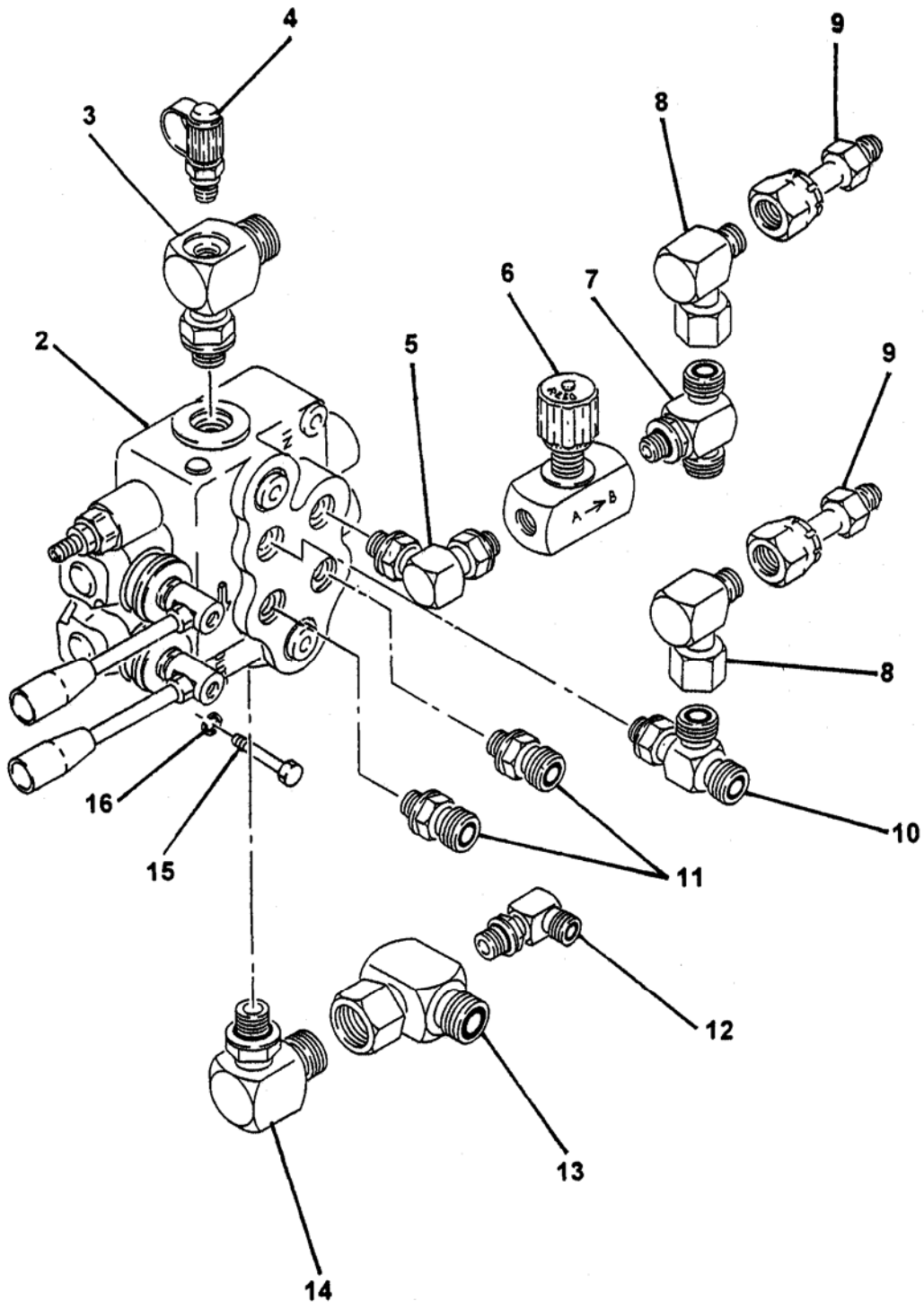
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



2 SPOOL CONTROL
VALVE ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 18
PAGE 01





2 SPOOL CONTROL VALVE ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 18
PAGE 02

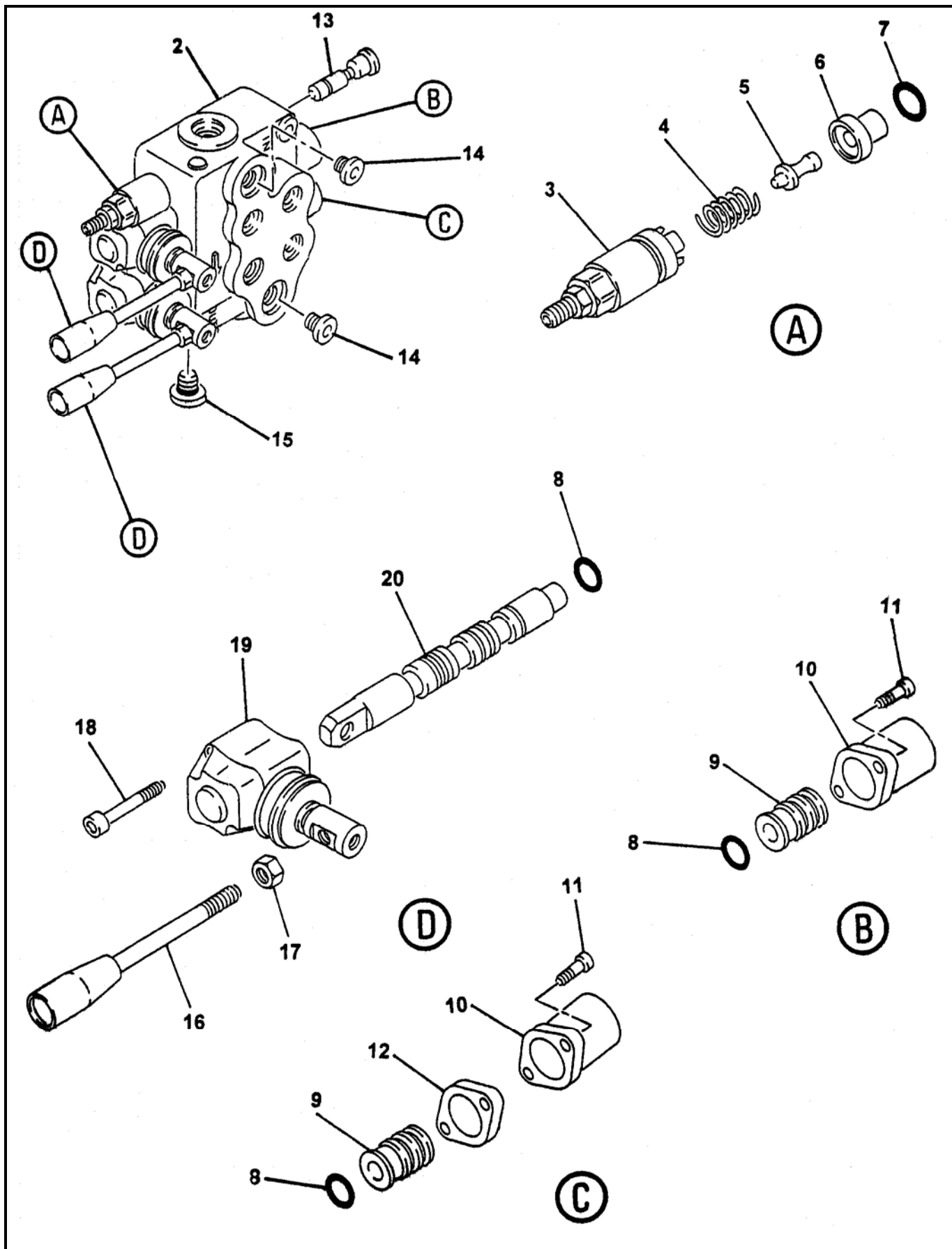
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-18	Assembly, 2 Spool Control Valve (See Group 80, Figure 01 for NHA)	Ref
2	74585	• Sub-Assembly, 2 Spool Control Valve (See Group 80, Figure 20 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Fitting, 90	1
6		• Controller, Check	1
7		• Tee	1
8		• Fitting	2
9		• Fitting, Connector	2
10		• Tee	1
11		• Fitting, 90	2
12		• Fitting, 90	1
13		• Tee, Special Drill	1
14		• Fitting, 90	1
15		• Bolt, Hex	2
16		• Washer, SPL Lock	2

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

2 SPOOL CONTROL VALVE SUB-ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 19
PAGE 01



REVISION:



2 SPOOL CONTROL VALVE SUB-ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 19
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	74585	Sub-Assembly, 2 Spool Control Valve (See Group 80, Figure 18 for NHA)	Ref
2	85706	• Cartridge, Relief	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
21		• Body, Valve	1

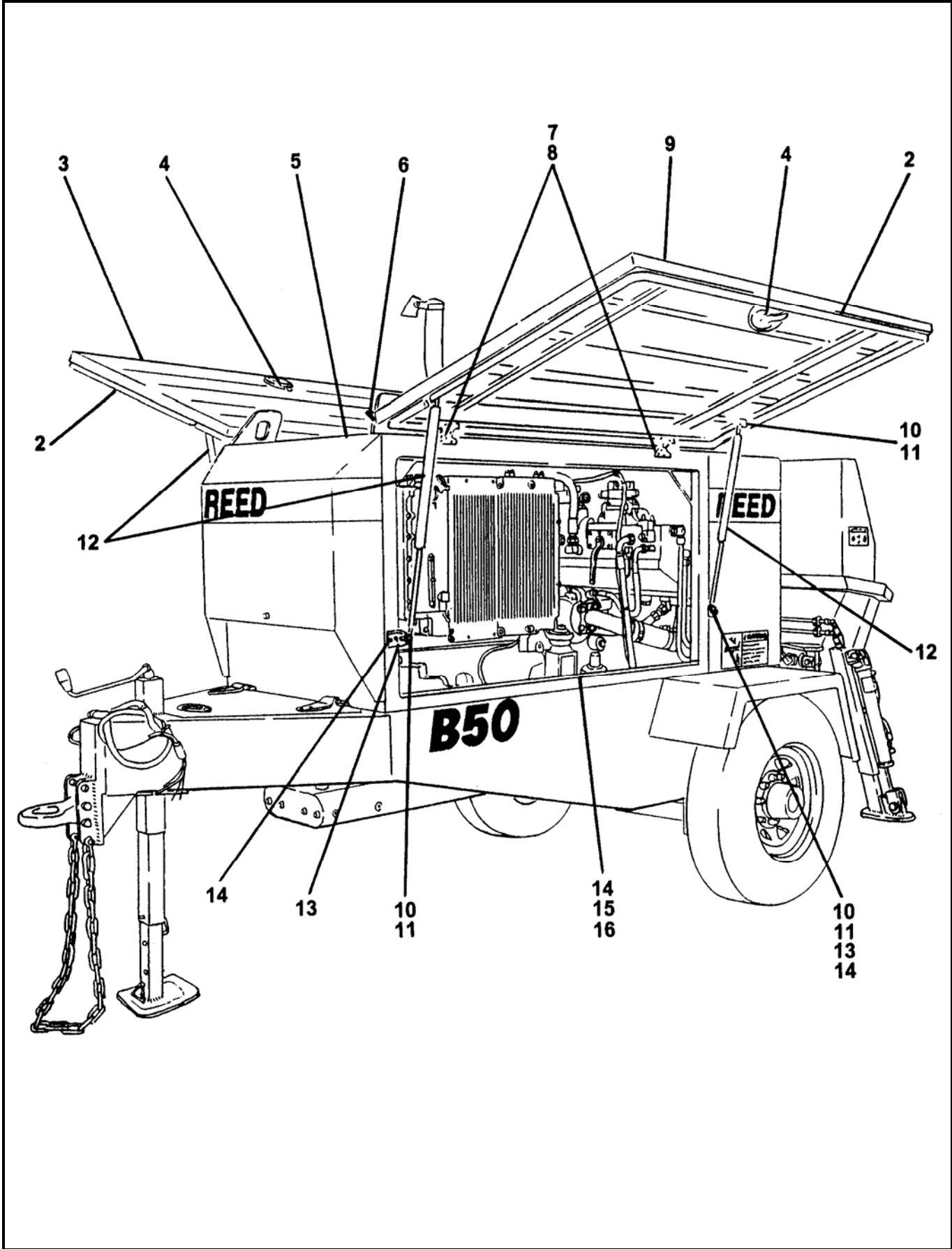
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



SIDE DOOR ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 20
PAGE 01



REVISION:

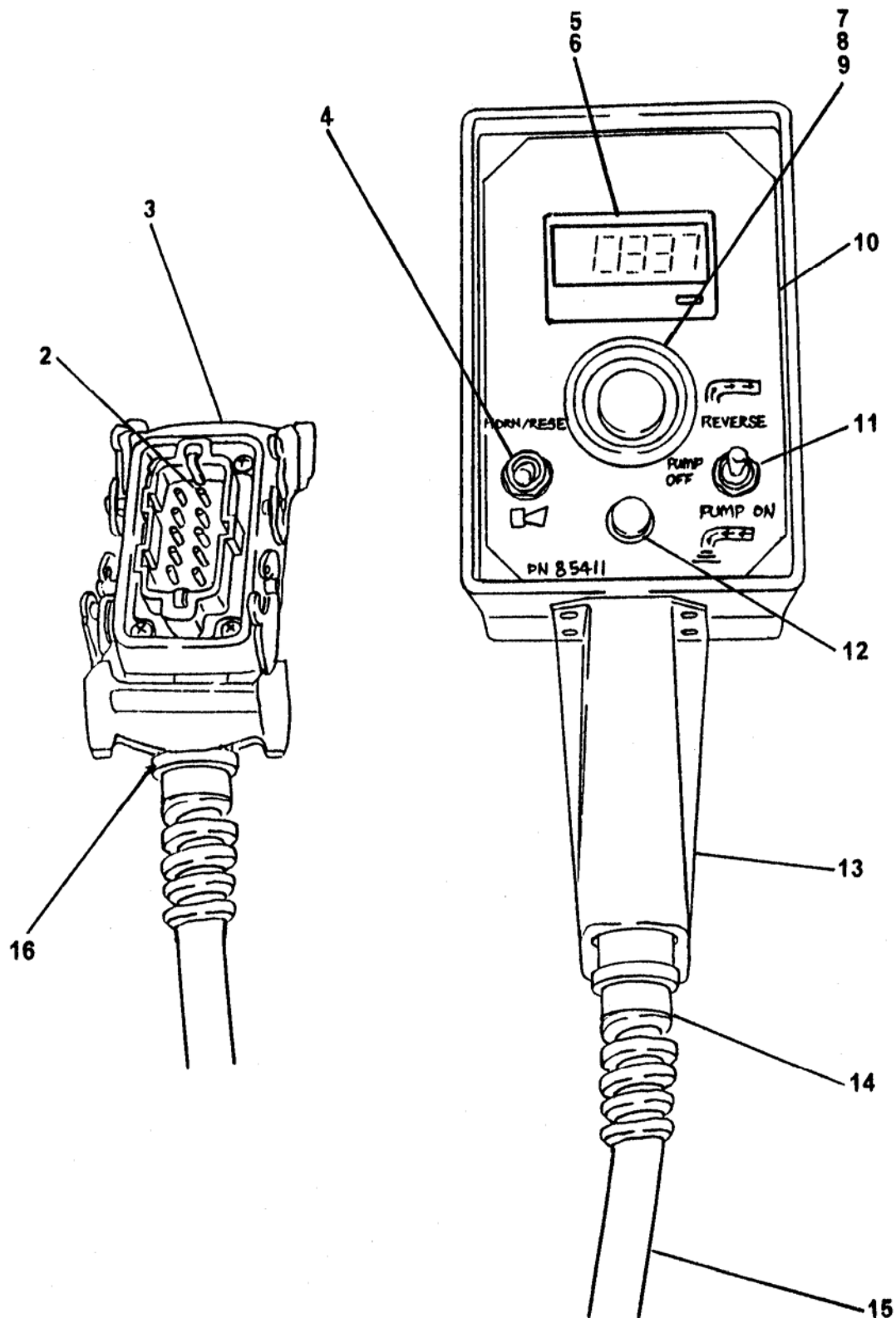
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85943	Assembly, B-Series Side Door (See Group 80, Figure 01 for NHA)	Ref
2	73163	• Seal, 3/8 Bulb 15.75 FT Trim	A/R
3	85968	• Weldment, B-Series Right Hand Side Door	1
4	73767	• Latch, D Ring with Key	2
5	86144	• Structure, Lifting	1
6	71364	• Seal, 3/8 Bulb 3.5 FT Trim	A/R
7	85928	• Hinge, Machining	4
8	85945	• Screw, Button Head Cap	12
9	85967	• Weldment, B-Series Left Hand Side Door	1
10	75215	• Stud, Ball	8
11		• Washer, Flat	A/R
12	75214	• Spring, 130 LBS Gas	4
13	85931	• Tab, Frame Gas Spring	2
14	85944	• Screw, Button Head Cap	16
15	85939	• Angle, Left Hand Side Door	1
16	85940	• Angle, Right Hand Side Door	1

DASH (-) ITEM NOT ILLUSTRATED



50 FEET STROKE COUNTER
CABLE REMOTE CONTROL ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 21
PAGE 01



REVISION:



50 FEET STROKE COUNTER CABLE REMOTE CONTROL ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 21
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85960	Assembly, 50 Feet Cable Remote Control with Stroke Counter (See Group 80, Figure 01 for NHA)	Ref
2	79964	• Connector, Insert	1
3	79966	• Connector, Hood	1
4	85347	• Switch, Horn / Reset	1
5	72330	• Counter, Stroke	1
6	74388	• Diode, Stroke Counter	1
7	85342	• Operator, Emergency Stop	1
8	85343	• Block, 1 NC Lighted Contact	1
9	85344	• Bulb, Emergency Stop	1
10	85411	• Decal, C-Series Remote Control Box	1
11	72003	• Switch, Pump On / Reverse	1
12	85355	• Pilot, Light	1
13	85961	• Enclosure, Remote Control	1
14	86133	• Relief, PG-11 Spiral Strain	1
15	85620	• Cable, 50 Feet Remote Control	1
16	86145	• Reducer, PG-16 to PG-11	1
-17	72777	• Resister, Green 100 OHM	1

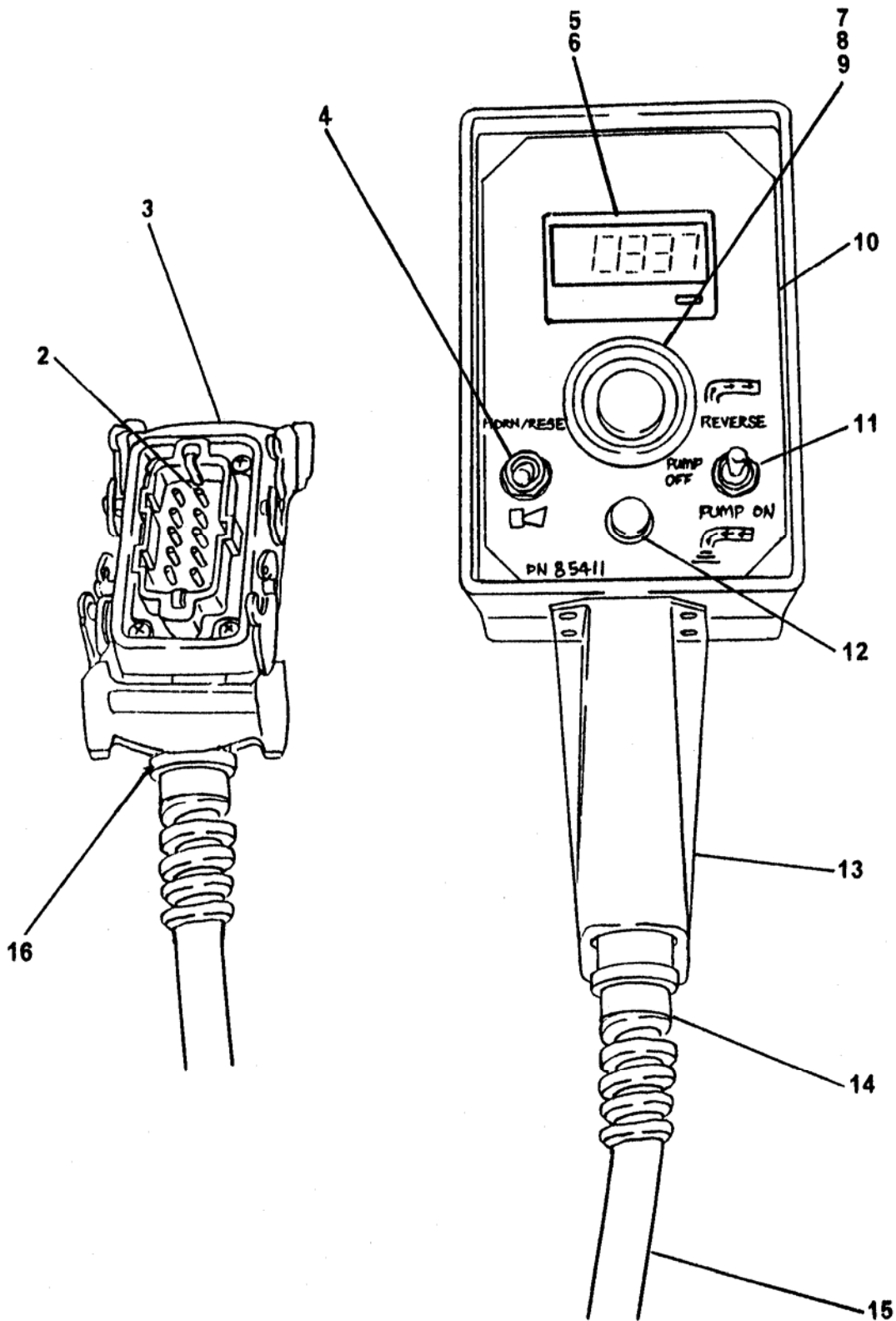
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



100 FEET STROKE COUNTER
CABLE REMOTE CONTROL ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 22
PAGE 01





100 FEET STROKE COUNTER CABLE REMOTE CONTROL ASSEMBLY

B20
PARTS
GROUP 80
FIGURE 22
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85960A	Assembly, 100 Feet Cable Remote Control with Stroke Counter (See Group 80, Figure 01 for NHA)	Ref
2	79964	• Connector, Insert	1
3	79966	• Connector, Hood	1
4	85347	• Switch, Horn / Reset	1
5	72330	• Counter, Stroke	1
6	74388	• Diode, Stroke Counter	1
7	85342	• Operator, Emergency Stop	1
8	85343	• Block, 1 NC Lighted Contact	1
9	85344	• Bulb, Emergency Stop	1
10	85411	• Decal, C-Series Remote Control Box	1
11	72003	• Switch, Pump On / Reverse	1
12	85355	• Pilot, Light	1
13	85961	• Enclosure, Remote Control	1
14	86133	• Relief, PG-11 Spiral Strain	1
15	85816	• Cable, 100 Feet Remote Control	1
16	86145	• Reducer, PG-16 to PG-11	1
-17	72777	• Resister, Green 100 OHM	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



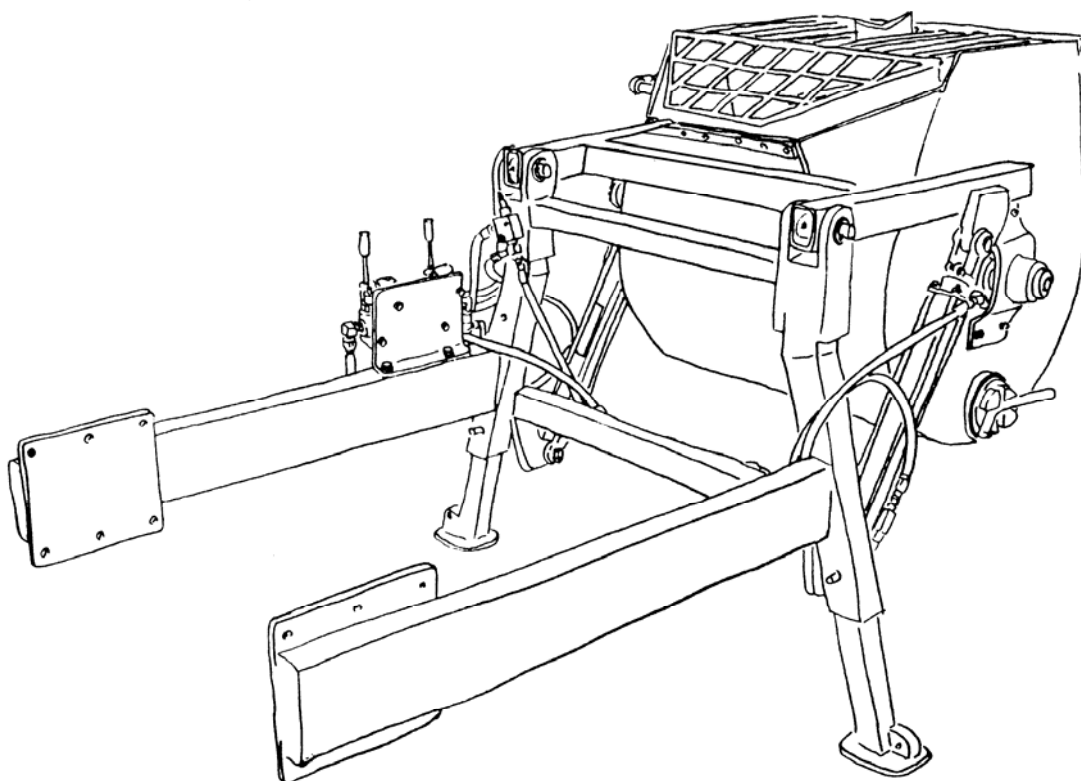
TRAILER MTD PUMP MODEL *B20*
ILLUSTRATED PARTS MANUAL

B20
PARTS
GROUP 80
FIGURE 23
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP 03 MODEL **B20** ILLUSTRATED PARTS MANUAL GROUP 90 LIFT MIXER INSTALLATION CONTAINS THE FOLLOWING FIGURES:

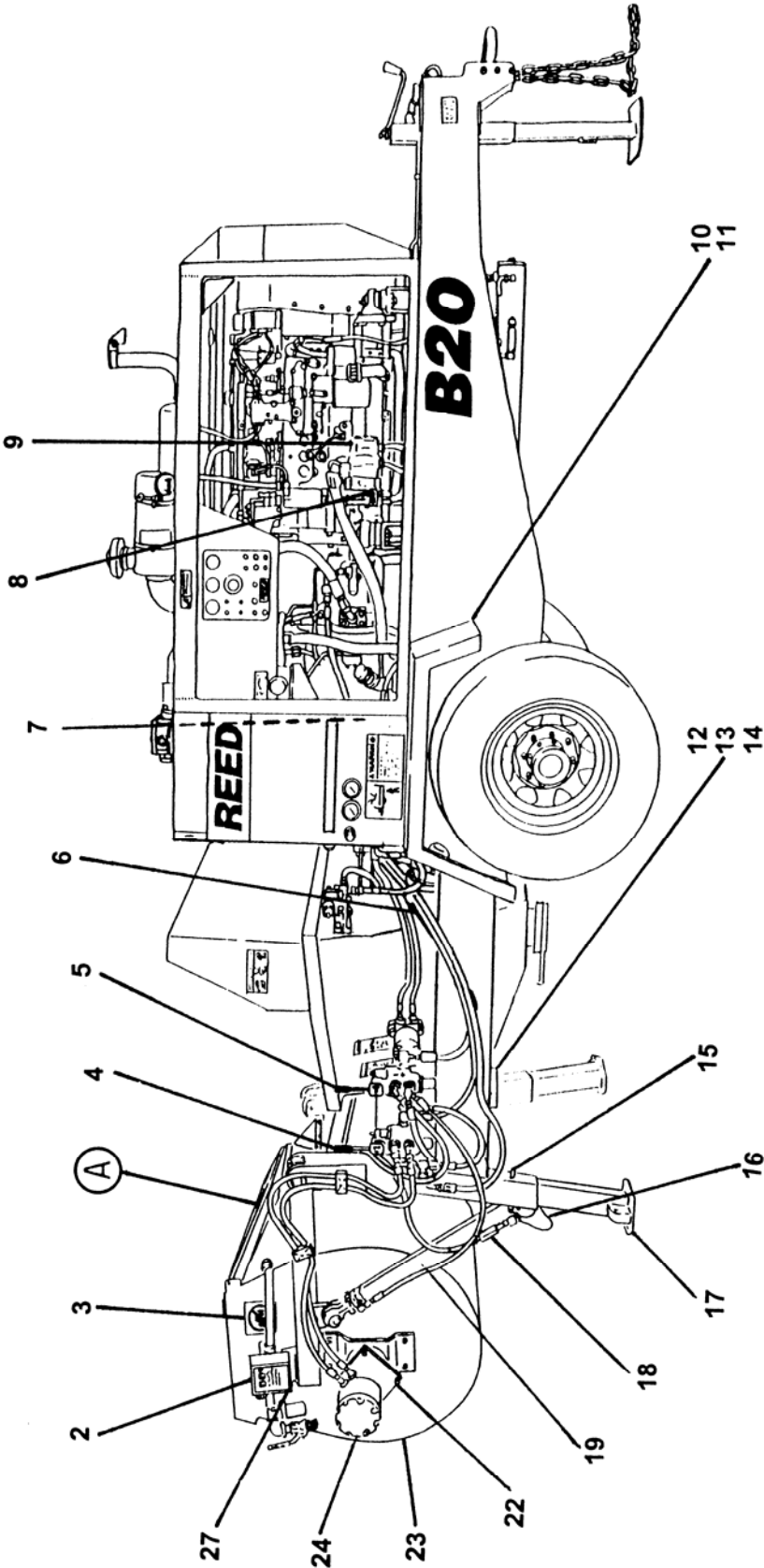
FIGURE 00	TABLE OF CONTENTS
FIGURE 01	LIFT MIXER INSTALLATION
FIGURE 02	WATER PLUMBING ASSEMBLY
FIGURE 03	WATER METER ASSEMBLY
FIGURE 04	MIXER DIRECTIONAL CONTROL VALVE ASSEMBLY
FIGURE 05	MIXER LIFT DIRECTIONAL CONTROL VALVE ASSEMBLY
FIGURE 06	ENGINE PAD MOUNT ASSEMBLY
FIGURE 07	LIFT MIXER HYDRAULIC PUMP ASSEMBLY
FIGURE 08	LIFT MIXER CYLINDER ASSEMBLY
FIGURE 09	MIXER WELDMENT ASSEMBLY
FIGURE 10	MIXING BLADE ASSEMBLY
FIGURE 11	MIXER MOTOR ASSEMBLY





LIFT MIXER INSTALLATION

B20X
PARTS
GROUP 90
FIGURE 01
PAGE 01



REVISION:

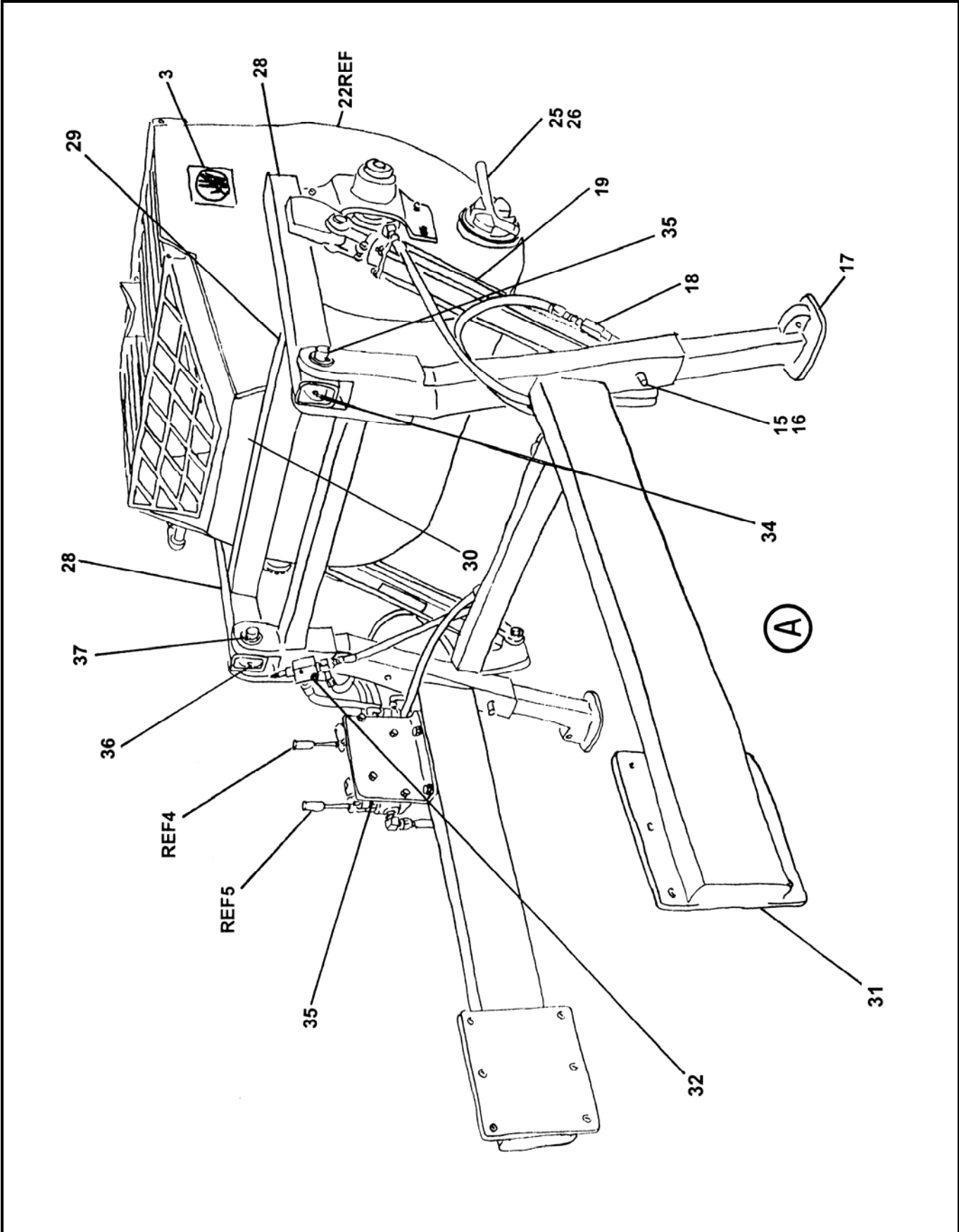
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	87317	Installation, B20 Standard Hopper Lift Mixer-HD (See Group 10, Figure 01 for NHA)	Ref
2	90-02	• Assembly, Water Plumbing (See Group 90, Figure 02 for DET)	1
3	75005	• Decal, Danger, Do Not Put Hand	2
4	90-04	• Assembly, Mixer Directional Control Valve (See Group 90, Figure 04 for DET)	1
5	90-05	• Assembly, Mixer Lift Directional Control Valve (See Group 90, Figure 05 for DET)	1
6	86789	• Kit, Lift Mixer Hose (See Schematic Section, Option Page for REF)	1
7	79247	• Separator, Magnetic	1
8	77931	• Assembly, Engine Pad Mounting (See Group 90, Figure 06 for DET)	1
9	79715	• Assembly, Lift Mixer Hydraulic Pump (See Group 90, Figure 07 for DET)	1
10	85934	• Weldment, Lift Mixer Right Side Fender	1
11	85935	• Weldment, Lift Mixer Left Side Fender	1
12	71346	• Weldment, 4 Inch Flange Outlet (See Group 60, Figure 02 for REF)	1
13	86157	• Elbow, 90	1
14	71530	• Clamp, Adjustable 4 Inch	1
15	85595	• Pin, Q / R	2
16	800418	• Lanyard, Q / R Pin	2
17	86553	• Weldment, Outrigger Inner	2
18	76885	• Fuse, 6 GPM Velocity	2
19	72218	• Assembly, Lift Mixer Cylinder (See Group 90, Figure 08 for DET)	2
-20	86787	• Assembly, Lift Mixer Weldment	1
-21	86786	• • Modification, Lift Mixer	1
22	85562	• • • Kit, Motor	1
23	90-09	• • • Assembly, Mixer Weldment (See Group 90, Figure 09 for DET)	1
24	86546	• • • Assembly, Mixer Motor (See Group 90, Figure 11 for DET)	2
25	75428	• • • Plug, Pipe	1
26	75429	• • • Weldment, Flange	1
27	79686	• • Bracket, Water Meter	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



LIFT MIXER INSTALLATION

B20X
PARTS
GROUP 90
FIGURE 01
PAGE 03



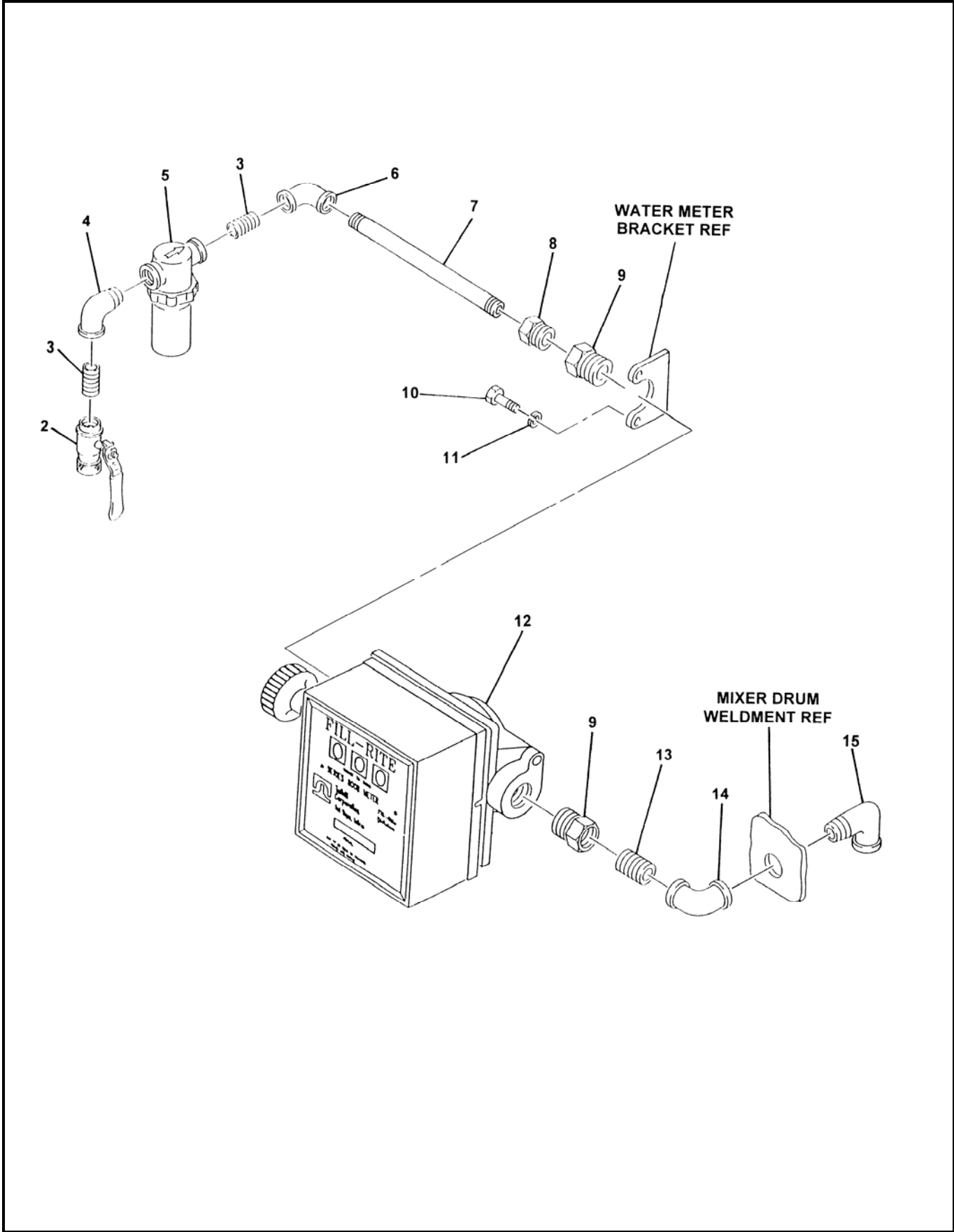
REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
15	85595	• Pin, Q / R	2
16	800418	• Lanyard, Q / R Pin	2
17	85500	• Weldment, Outrigger Inner	2
18	76885	• Fuse, 6 GPM Velocity	2
19	72218	• Assembly, Lift Mixer Cylinder (See Group 90, Figure 08 for DET)	2
-20	86787	• Assembly, Lift Mixer Weldment	1
-21	86786	• • Modification, Lift Mixer	1
22	85562	• • • Kit, Motor	1
23	90-09	• • • Assembly, Mixer Weldment (See Group 90, Figure 09 for DET)	1
24	86546	• • • Assembly, Mixer Motor (See Group 90, Figure 11 for DET)	2
25	75428	• • • Plug, Pipe	1
26	75429	• • • Weldment, Flange	1
27	79686	• • Bracket, Water Meter	1
28	72202	• • Weldment, Side Tube	2
29	85183	• • Tube, Cross	1
30	86524	• Extension, Mixer Lip	1
31	86159	• Weldment, B20 Standard Hopper Lift Mixer Frame	1
32	79718	• Valve, Flow Control	1
33	85627	• Bracket, Valve Mounting	1
34		• Fitting, Grease STR	2
35	76882	• Pin, Mixer Pivot	2
		DASH (-) ITEM NOT ILLUSTRATED	



WATER PLUMBING ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 02
PAGE 01



REVISION:



WATER PLUMBING ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 02
PAGE 02

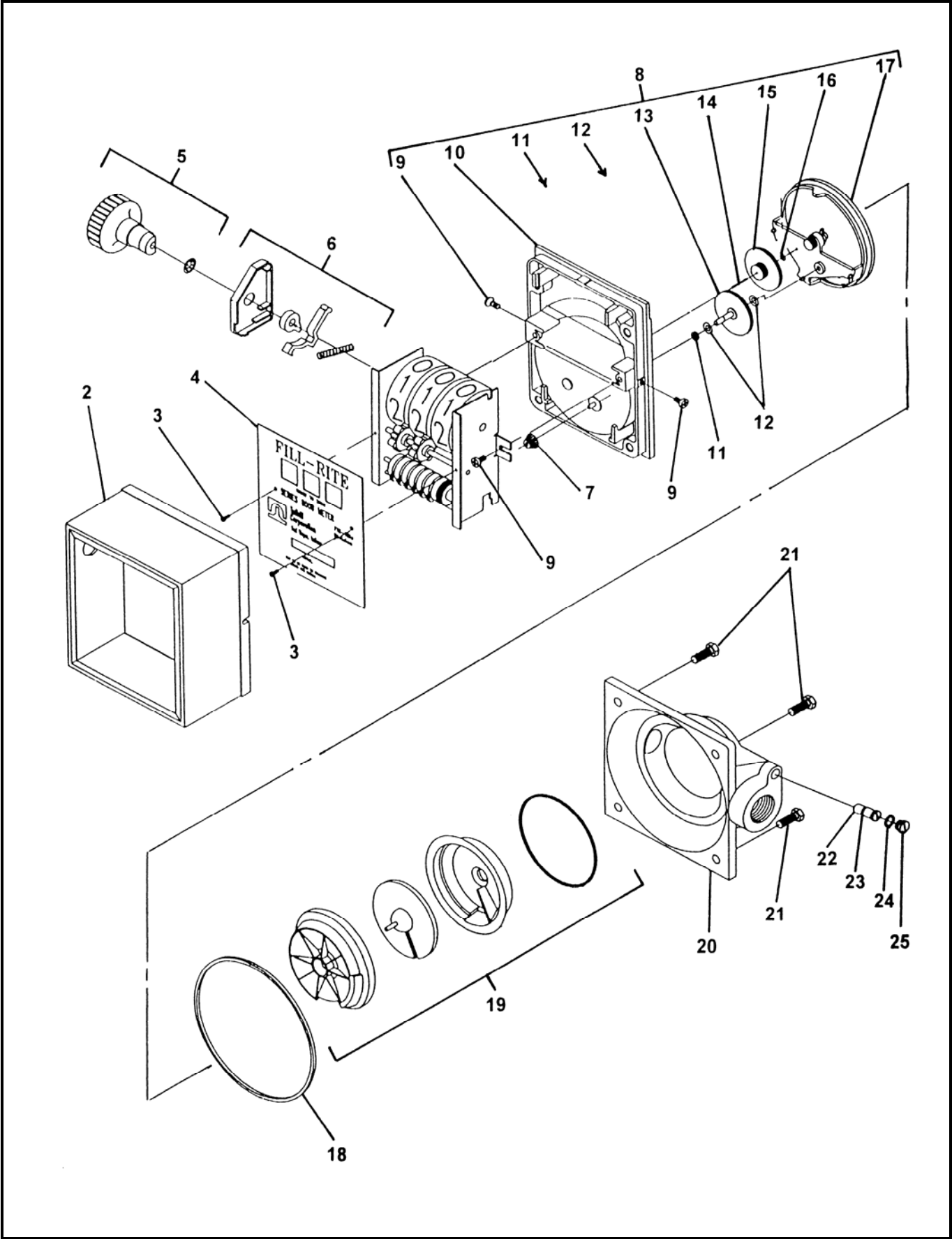
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	90-02	Assembly, Water Plumbing (See Group 90, Figure 01 for NHA)	Ref
2	13186	• Valve, Ball	1
3	10267	• Nipple	2
4	10204	• Elbow, Street	2
5	78158	• Strainer	1
6	10269	• Elbow	1
7	10257	• Nipple	1
8		• Bushing	1
9		• Bushing	2
10		• Bolt, Hex	2
11		• Washer, Lock	2
12	71428	• Assembly, Water Meter (See Group 90, Figure 03 for DET)	1
13	20144	• Nipple	1
14	20143	• Elbow	1
15	56412	• Elbow, Street	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



WATER METER ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 03
PAGE 01



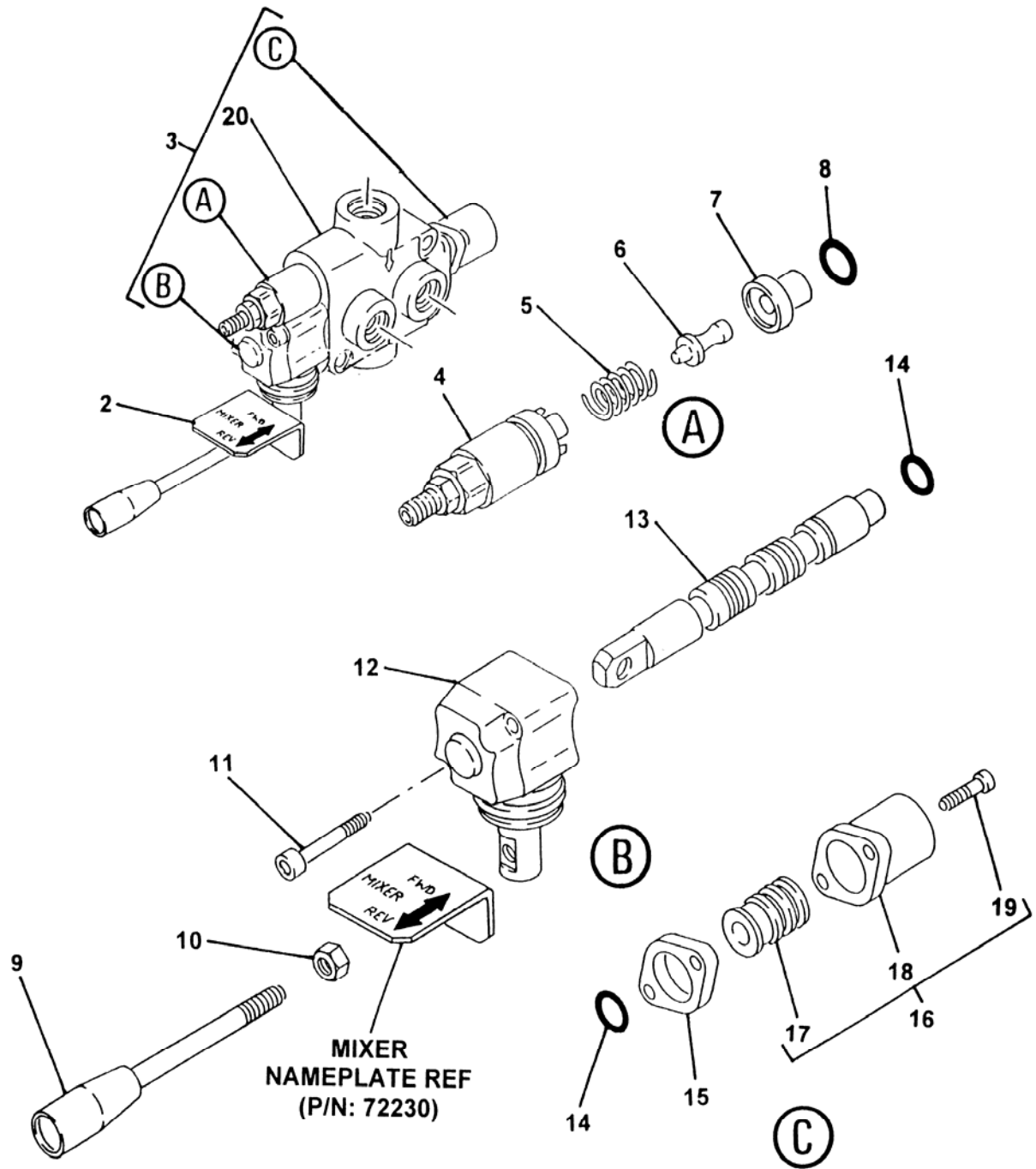
REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	71428	Assembly, Water Meter (See Group 90, Figure 02 for NHA)	Ref
2		• Cover, Counter	1
3		• Screw	2
4		• Face, Counter	1
5		• Assembly, Knob	1
6		• Counter	1
7		• Bevel, Pinion	1
8		• Assembly, Cover	1
9		•• Screw	4
10		•• Cover, Meter	1
11		•• O-Ring	1
12		•• Washer	2
13		•• Gear, Drive	1
14		•• Shaft, Cluster Gear	1
15		•• Gear, Cluster	1
16		•• Washer	1
17		•• Frame, Gear	1
18		• O-Ring	1
19		• Assembly, Meter Chamber	1
20		• Housing, Outlet	1
21		• Screw, Hex	4
22		• Screw, Calibration	1
23		• O-Ring for Calibration Screw	1
24		• O-Ring	1
25		• Screw, Seal	1
-26		• Kit, Repair (Included Items: 7, 11, 12, 13, 14, 15, 16, 17, 18, 19, 23 and 24)	1
		DASH (-) ITEM NOT ILLUSTRATED	



MIXER DIRECTIONAL
CONTROL VALVE ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 04
PAGE 01



REVISION:



MIXER DIRECTIONAL CONTROL VALVE ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 04
PAGE 02

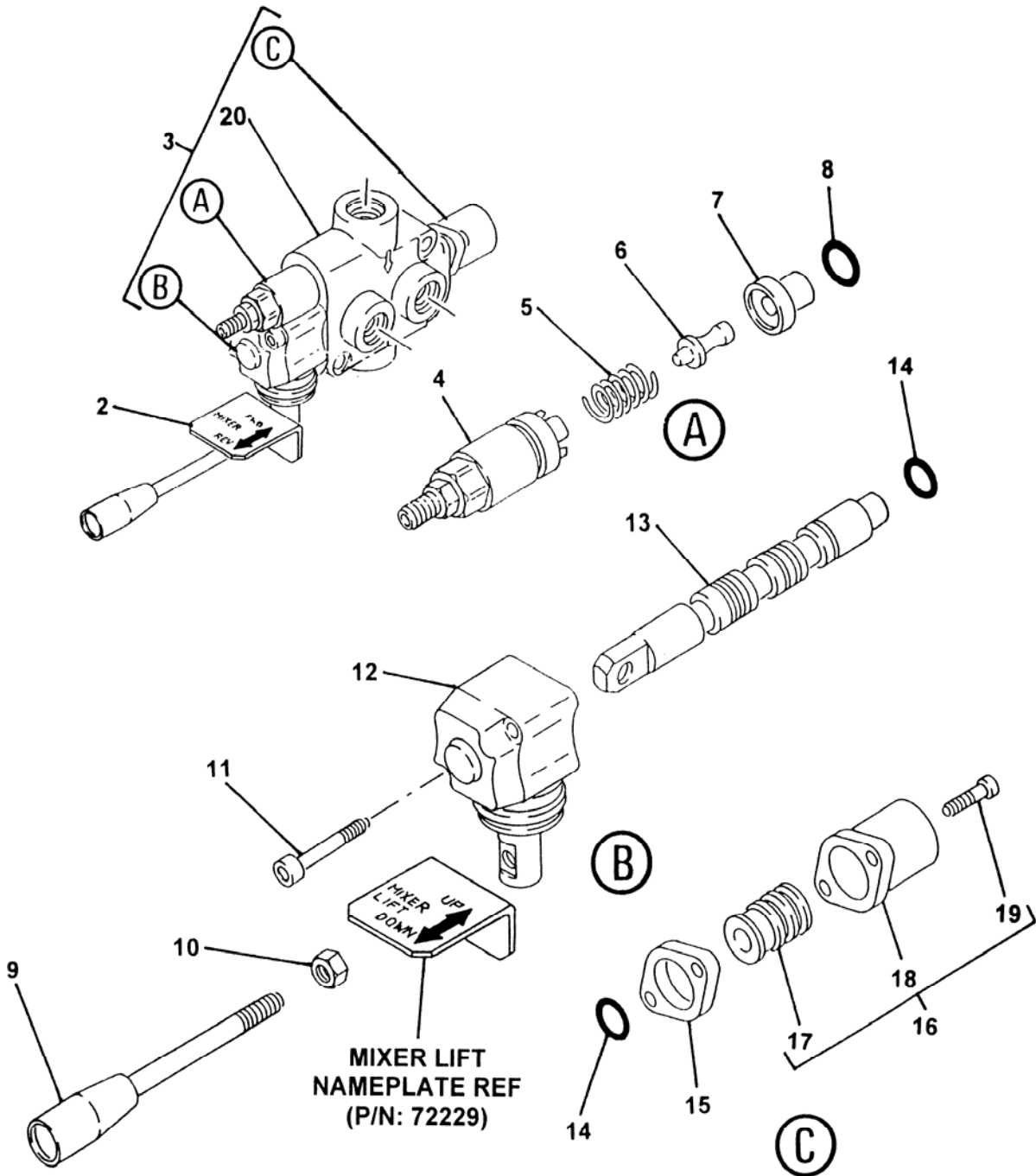
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	90-04	Assembly, Mixer Directional Control Valve (See Group 90, Figure 01 for NHA)	Ref
2	72230	• Nameplate, Mixer	1
3	74584	• Sub-Assembly, Control Valve	1
4		• • Kit, Screw	1
5		• • Spring	1
6		• • Pin, Screw Kit	1
7		• • Ring	1
8		• • O-Ring	1
9		• • Handle, Control Valve	1
10		• • Nut (attaching parts)	1
11		• • Screw, SOC	2
12		• • Lever, L	1
13		• • Spool, Double Acting	1
14		• • O-Ring	2
15		• • Spacer	1
16	74473	• • Kit, Detent Spring	1
17		• • • Spool, Control Spring	1
18		• • • Cap, Spool	1
19		• • • Screw, SOC	2
20		• • Body, Control Valve	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



MIXER LIFT DIRECTIONAL
CONTROL VALVE ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 05
PAGE 01



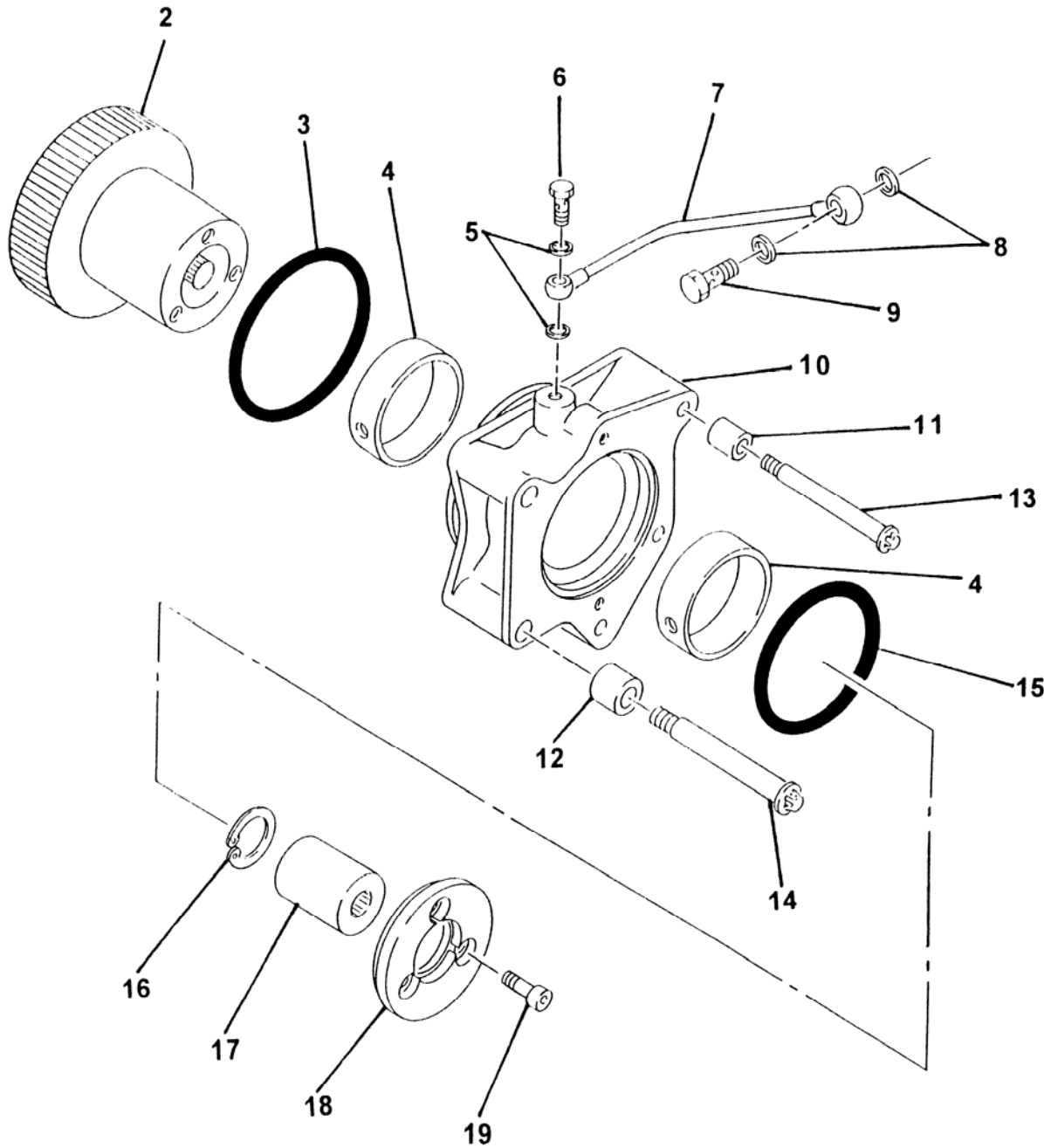
REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	90-05	Assembly, Mixer Lift Directional Control Valve (See Group 90, Figure 01 for NHA)	Ref
2	72229	• Nameplate, Mixer	1
3	79716	• Sub-Assembly, Control Valve	1
4		• • Kit, Screw	1
5		• • Spring	1
6		• • Pin, Screw Kit	1
7		• • Ring	1
8		• • O-Ring	1
9		• • Handle, Control Valve	1
10		• • Nut (attaching parts)	1
11		• • Screw, SOC	2
12		• • Lever, L	1
13		• • Spool, Double Acting	1
14		• • O-Ring	2
15		• • Spacer	1
16	74473	• • Kit, Detent Spring	1
17		• • • Spool, Control Spring	1
18		• • • Cap, Spool	1
19		• • • Screw, SOC	2
20		• • Body, Control Valve	1
		DASH (-) ITEM NOT ILLUSTRATED	



ENGINE PAD MOUNT ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 06
PAGE 01



REVISION:



ENGINE PAD MOUNT ASSEMBLY

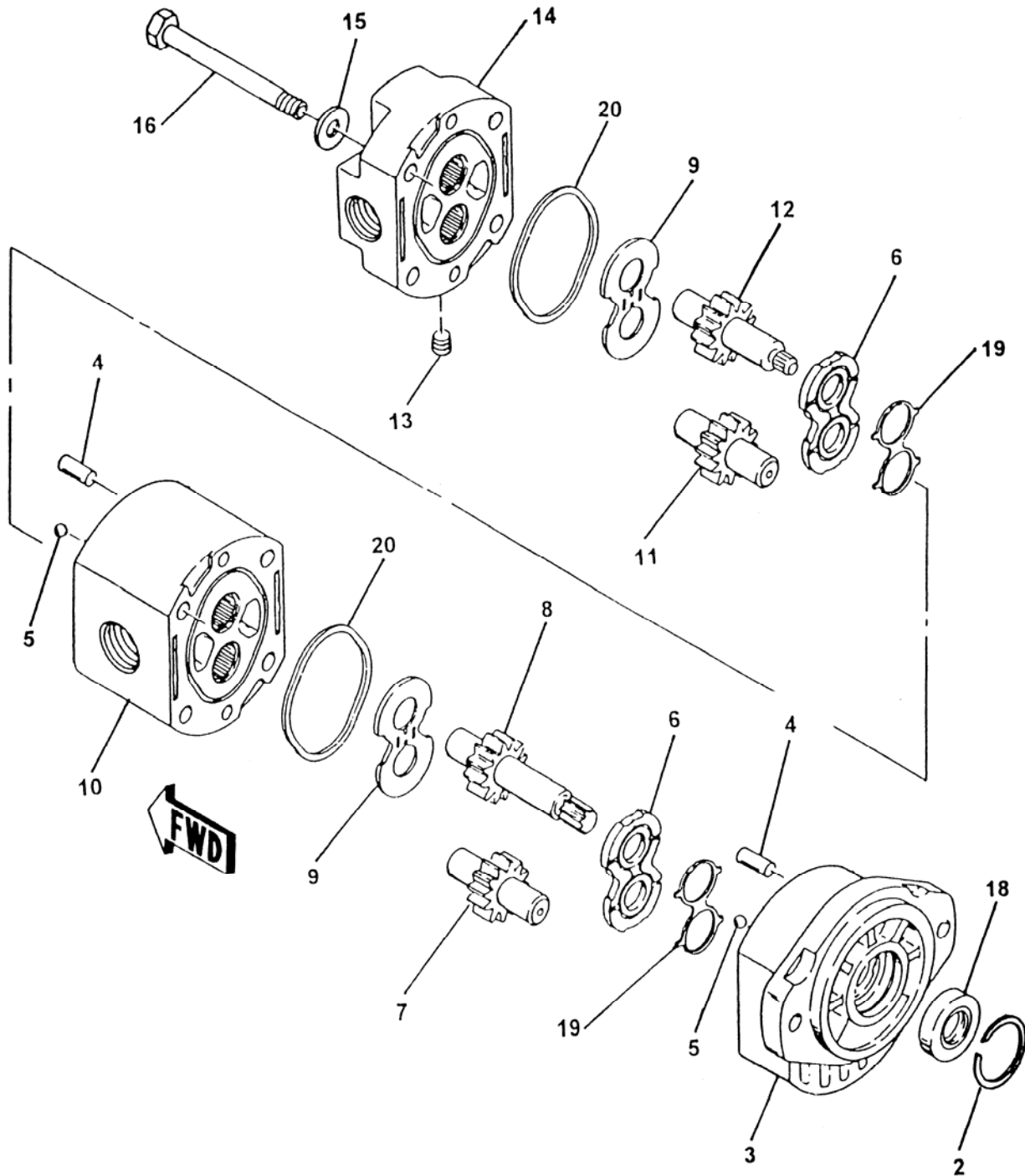
B20X
PARTS
GROUP 90
FIGURE 06
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	77931	Assembly, Engine Mount Pad (See Group 90, Figure 01 for NHA)	Ref
2		• Gear, Drive	1
3		• O-Ring, Black	1
4		• Bushing	2
5		• Washer	2
6		• Bolt, Special	1
7		• Tube, Copper	1
8		• Washer	2
9		• Bolt, Special	1
10		• Mount, Pad	1
11		• Bushing	2
12		• Bushing	2
13		• Bolt	2
14		• Bolt	2
15		• O-Ring, Maroon	1
16		• Ring, Snap	1
17		• Coupling	1
18		• Cover	1
19		• Bolt	3
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:

LIFT MIXER HYDRAULIC PUMP ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 07
PAGE 01



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	79715	Assembly Lift Mixer Hydraulic Pump (See Group 90, Figure 01 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

REVISION:

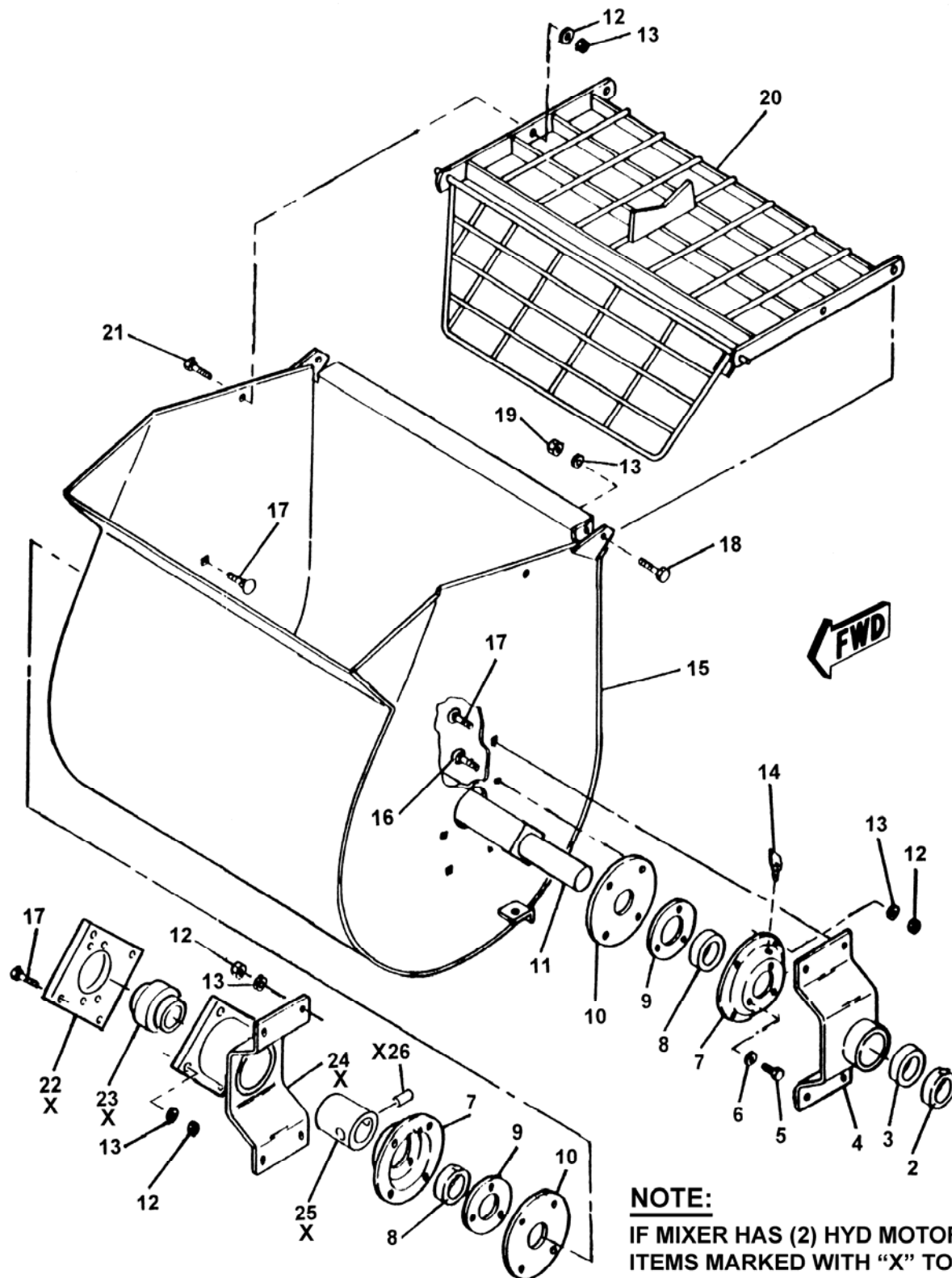


LIFT MIXER CYLINDER ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 08
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	72218	Assembly, Lift Mixer Cylinder (See Group 90, Figure 01 for NHA)	Ref
2		• Screw, Cap	1
3		• Pin, Clip	2
4		• Clevis	1
5		• Rod, Clevis Pin	2
6		• Nut, Clevis	1
7		• Rod	1
8		• Nut, Tie Rod	8
9		• Head	1
10		• Piston	1
11		• Tube	1
12		• Rod, Tie	4
13		• Plug, Pipe	1
14		• Base	1
-15		• Kit, Seal	1
16		• • Wiper	1
17		• • U-Cup	1
18		• • O-Ring	3
19		• • Ring, Back Up	2
20		• • Nut, Piston	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



NOTE:
 IF MIXER HAS (2) HYD MOTORS
 ITEMS MARKED WITH "X" TO
 BE USED ALSO



MIXER WELDMENT ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 09
PAGE 02

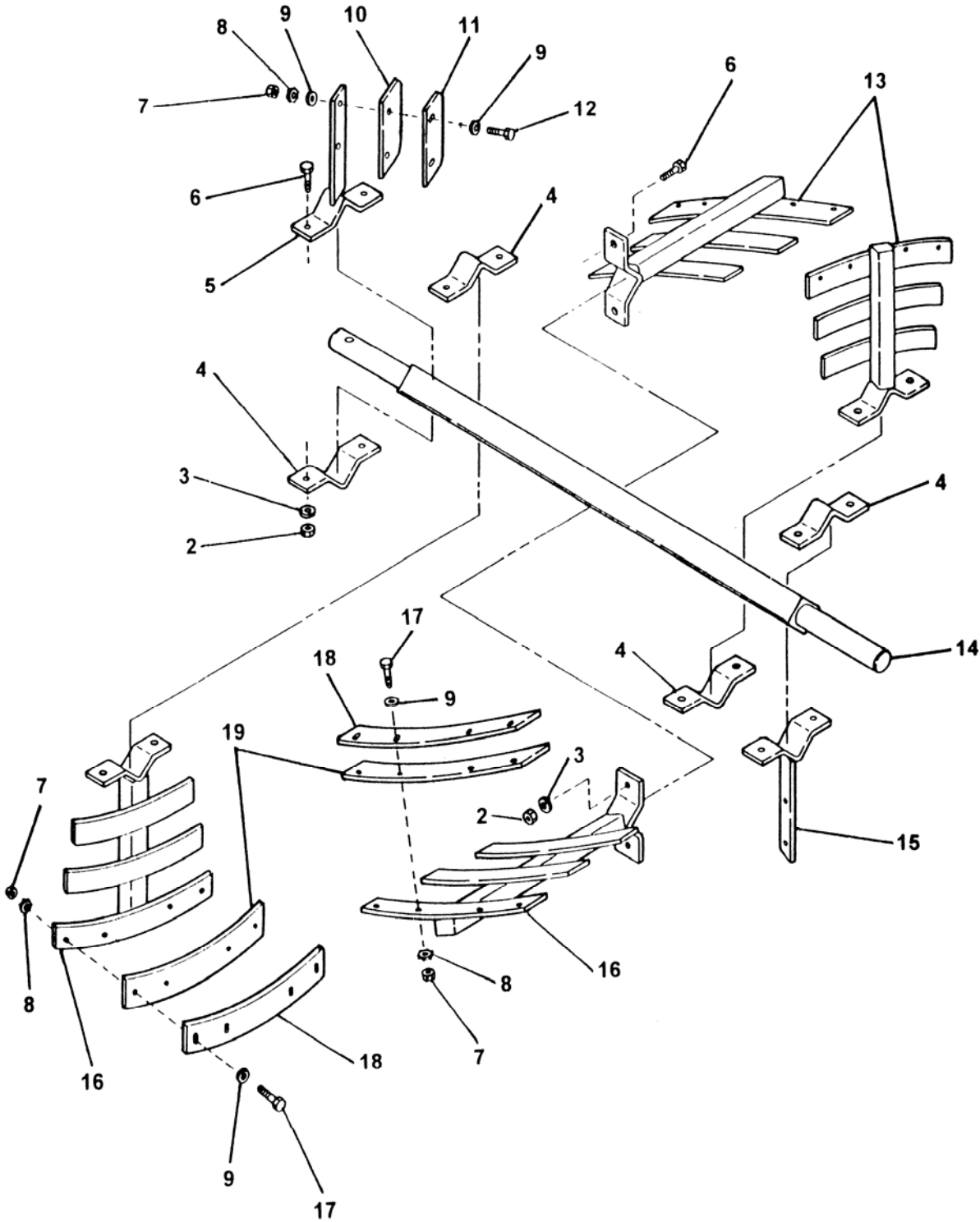
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	90-09	Assembly, Mixer Weldment (See Group 90, Figure 01 for NHA)	Ref
2	97036	• Collar, Locking	1
3	97037	• Bearing, Drum Shaft	1
4	97038	• Assembly, Bearing Housing	1
5		• Capscrew, Hex	6
6		• Washer, Spring Lock	6
7	97039	• Housing, Seal	2
8	97021	• Seal, Shaft	2
9	97034	• Retainer, Seal	2
10	97020	• Seal, Drum	2
11	90-10	• Assembly, Mixing Blade (See Group 90, Figure 10 for NHA)	1
12		• Nut, Hex	10
13		• Washer	12
14		• Fitting, Grease	2
15		• Weldment, Drum Shell	1
16		• Capscrew, Flat	6
17		• Capscrew, Flat	12
18		• Capscrew, Hex	2
19		• Nut, 3/8 Cone Lock	2
20	97045	• Assembly, Grill (2 Piece)	1
21		• Capscrew, Hex	1
22	97044	• Adapter, Motor	1
23	97043	• Bearing, Coupling Support	1
24	97042	• Assembly, Motor Housing	1
25	97040	• Coupling, Hydraulic Motor	1
26	97041	• Pin, Dowel	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



MIXING BLADES ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 10
PAGE 01



REVISION:



MIXING BLADES ASSEMBLY

B20X
PARTS
GROUP 90
FIGURE 10
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	90-10	Assembly, Mixing Blade (See Group 90, Figure 09 for NHA)	Ref
2		• Nut, Hex	10
3		• Washer, Spring Lock	10
4	97026	• Cap, Mixing Arm	4
5	97032	• Assembly, Side Arm	1
6		• Capscrew, Hex	10
7		• Nut, Hex	20
8		• Washer, Spring Lock	20
9		• Washer, Flat	20
10	97019	• Wiper, Drum End	2
11	97030	• Plate, End Wiper Backing	2
12		• Capscrew, Hex	4
13	97024	• Assembly, Mixing Arm	2
14A	97046	• Shaft, Mixer (For Single Hydraulic Motor Operation)	1
14B	86547	• Shaft, Mixer (For Dual Hydraulic Motors Operation)	1
15	97031	• Assembly, Side Arm	1
16	97022	• Assembly, Mixing Arm	2
17		• Capscrew, Hex	16
18	97028	• Plate, Wrap Wiper Backing	4
19	97018	• Wiper, Drum Wrap	4
		DASH (-) ITEM NOT ILLUSTRATED	

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ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
-1	86546	1 2 3 4 5 Assembly, Mixer Motor (See Group 90, Figure 01 for NHA)	Ref
2		• Pin	1
3		• Bearing, Thrust	2
4		• Shaft	1
5		• Bearing, Front	1
6		• Housing, Motor	1
7		• Bearing, Rear	1
8		• Link, Drive	1
9		• Manifold	1
10		• Boot, Manifold	1
11		• Spacer, Drive Link	1
12		• Assembly, Rotor	1
13		• Plate, Balance	1
14		• Ball, Steel	4
15		• Cover, End	1
16		• Bolt, Hex (attaching parts)	7
-17	86546-SK	• Kit, Seal	1
18		• • Seal, Dust	1
19		• • Ring, SPL Wire	1
20		• • Shim, Back Up	1
21		• • Seal, Carrier	1
22		• • Seal, High Pressure	1
23		• • Shim, Back Up	1
24		• • Shim, Teflon Back Up	1
25		• • Seal, Shift	1
26		• • Washer, Thrust	1
27		• • Seal, Body	3
28		• O-Ring	1
		DASH (-) ITEM NOT ILLUSTRATED	