

REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL CONTAINS THE FOLLOWING GROUPS AND FIGURES:



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- FIGURE 02** HOW TO ORDER PARTS

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- FIGURE 02** STANDARD HOPPER WITH DUAL SHIFT INSTALLATION
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SHOWN MODEL: STANDARD HOPPER WITH DUALSHIFT SWING CYLINDER UNIT



TRAILER MOUNTED PUMP MODEL **B50** HOW TO USE PART MANUAL

B50
PARTS
GROUP 00
FIGURE 01
PAGE 01

I. PURPOSE

This parts manual is prepared, issued and/or revised by **REED** Manufacturing, for the exclusive use of its customers and is intended for use in provisioning, requisitioning, storing and issuing replaceable **REED** trailer mounted pump Model **B50**. The contents are proprietary to **REED** and are subject to change without notice. The use of any part of this document by any other person or persons or for any other purpose without the written consent of **REED** is expressly prohibited. In addition, **REED** expressly disclaims any and all responsibility arising in or any way related to such **REED's** prior written consent thereto.

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

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

1. This area refers to the corresponding illustration

MODEL – GROUP – FIGURE – PAGE

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

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

00	MODEL B50 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.

TRAILER MOUNTED PUMP MODEL B50 HOW TO USE PART MANUAL

B50
PARTS
GROUP 00
FIGURE 01
PAGE 02

2	3	4	5	1
REED		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	60-04	Assembly, Dual Shift Swing Valve (See Group 60, Figure 02 for NHA)		Ref
-2	86321	• Assembly, Outlet Group		1
3		•• Nut		6
4	72482	•• Outlet, Machine 5"		1
5		•• Fitting, Grease		2
6	79895	•• Kit, Outlet Seal		1
7	77761	••• O-Ring, Large		1
8	77762	••• O-Ring, Small		1
9	86504	•• Seal, Modified Outlet Thick		1
10	77763	••• Band, Guide		1
11	77765	••• Seal, Outlet Thick		1
12	72309	•• Housing, Outlet Seal		1
13		•• Bolt, Hex		6
14		•• Nut, Nylock (attaching parts)		6
15		•• Washer, Lock (attaching parts)		6
16	70042	•• Outlet, Chromed		1
17		•• Bolt, Hex (attaching parts)		6
-18	86317	• Assembly, Swing Tube Group		1
19	85965	•• Weldment, Harsh Swing Tube		1
20	86065	•• Seal, 6 Inch Single Lip		1
21	72310	•• Ring, 6 Inch Single Lip Wear		1
22	86031	•• Plate, Wear		1
23	86086	•• Ring, Anti Chip		2
24		•• Bolt, Flat Head		4
25		•• Washer, Lock		4
26		•• Nut, Hex		4
27		•• Bolt, Hex		6
28		•• Washer, Lock		6
29	85962	•• Seal, Flange Bearing		1
30		•• Pin, Dowel		1
31		•• Fitting, Grease 90		2
32	85133	•• Bearing, 3 Inch Spline Flange		1
33	85294	•• Washer, Thrust		1
34	85134	•• Spacer, Swing Tube Nut		1
35	70825	•• Nut, Swing Tube		1
36		•• Pin Cotter		1
-37	86320	• Assembly, Swing Tube Dual Shift Group		1
38		•• Plug, Pipe		4
39	86052	•• Pin, Spring		4
40		•• Fitting, Grease 90		2
41	86441	•• Retainer, Swing Ram		2
DASH (-) ITEM NOT ILLUSTRATED				
REVISION:				
2	3	4	5	

REVISION:

TRAILER MOUNTED PUMP MODEL B50 HOW TO USE PART MANUAL

B50
PARTS
GROUP 00
FIGURE 01
PAGE 03

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

REVISION:

4. DESCRIPTION

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

1 2 3 4 5

Assembly (or Installation)

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

- B. "See Group 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

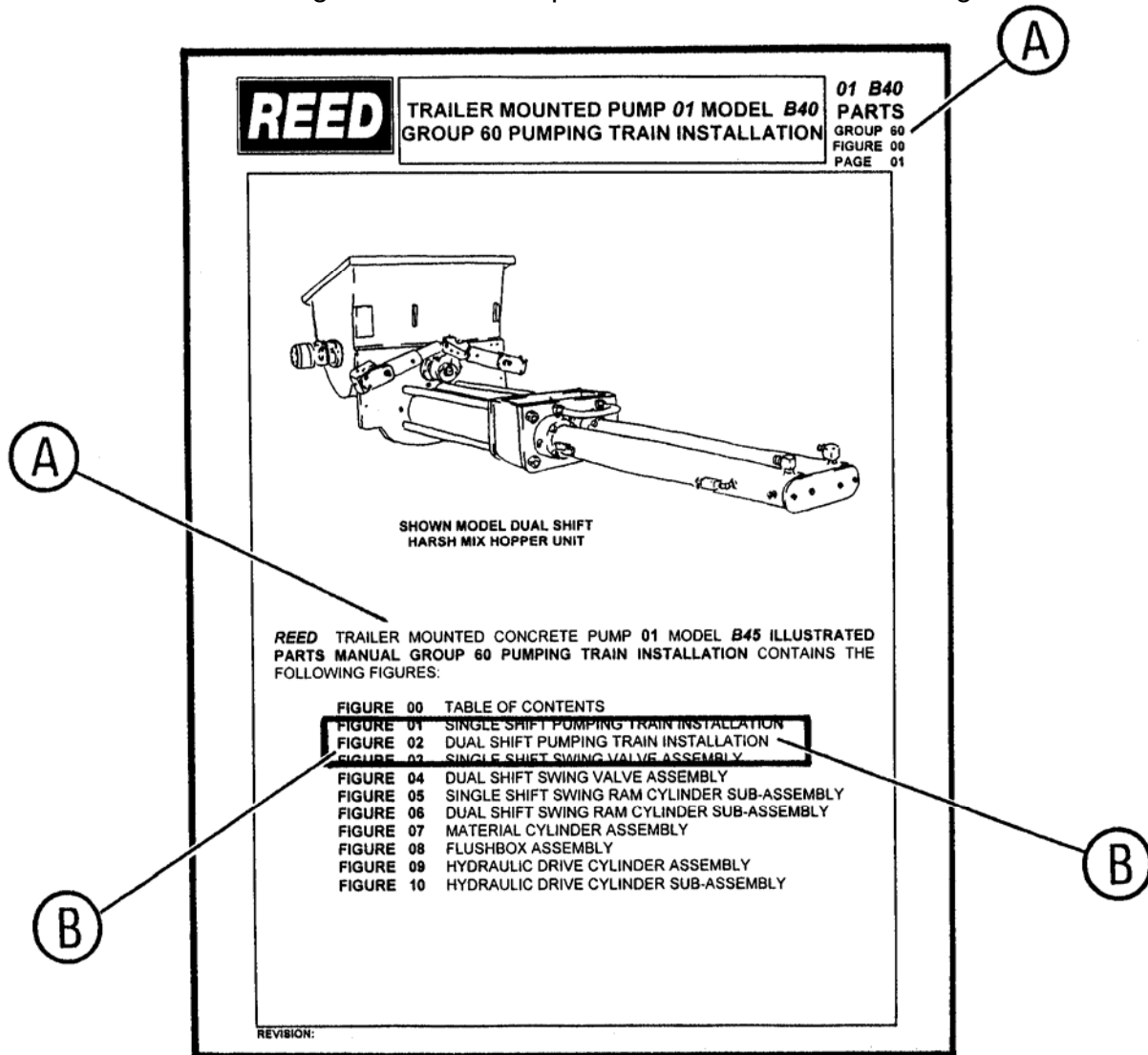
- A. Reference (**REF**) indicates the items that is listed previously in the Next Higher Assembly (**NHA**) and then again in this figure.
- B. As Required (**A/R**) indicates the parts that is used in a quantity as required.
- C. A number entry indicates the quantity of the part used in its next higher 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 **06** model **B50**. (Refer to each unit name plate shown below). NOTE: This manual is being released to cover unit starting with serial number **3-09-1-2908** to current production. Some components used on earlier units differ from current productions. Where this occurs, the part is identified by a serial number.

REED 13822 OAKS AVENUE CHINO, CA 91710 USA		PHONE (909) 287 - 2100 FAX (909) 287 - 2140	
MODEL		SERIAL NO	
MATERIAL PRESSURE		PSI	
HYDRAULIC PRESSURE		PSI	
ENGINE / PTO ELECTRIC MOTOR		RPM	
PN 96636			

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 **DUAL SHIFT SWING VALVE ASSEMBLY** **01 B40 PARTS GROUP 80 FIGURE 04 PAGE 01**

REED **DUAL SHIFT SWING VALVE ASSEMBLY** **01 B40 PARTS GROUP 80 FIGURE 04 PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
-1	60-04	Assembly, Dual Shift Swing Valve (See Group 80, Figure 02 for NHA)	Ref
-2	86321	• Assembly, Outlet Group	1
3		• • Nut	6
4	72482	• • Outlet, Machine 5"	1
5		• • Fitting, Grease	2
6	79895	• • Kit, Outlet Seal	1
7	77761	• • O-Ring, Large	1
8	77762	• • O-Ring, Small	1
9	86504	• • Seal, Modified Outlet Thick	1
10	77763	• • Band, Guide	1
11	77765	• • Seal, Outlet Thick	1
12	72309	• • Housing, Outlet Seal	1
13		• • Bolt, Hex	6
14		• • Nut, Nylock (attaching parts)	6
15		• • Washer, Lock (attaching parts)	6
16	70042	• • Outlet, Chromed	1
17		• • Bolt, Hex (attaching parts)	6
-18	86317	• Assembly, Swing Tube Group	1
19	85965	• • Weldment, Harsh Swing Tube	1
20	86085	• • Seal, 6 Inch Single Lip	1
21	72310	• • Ring, 6 Inch Single Lip Wear	1
22	86031	• • Plate, Wear	1
23	86086	• • Ring, Anti Chip	2
24		• • Bolt, Flat Head	4
25		• • Washer, Lock	4
26		• • Nut, Hex	4
27		• • Bolt, Hex	6
28		• • Washer, Lock	6
29	85962	• • Seal, Flange Bearing	1
30		• • Pin, Dowel	1
31		• • Fitting, Grease 90	2
32	88193	• • Bearing, 3 Inch Spine Flange	1
33	85294	• • Washer, Thrust	1
34	86184	• • Spacer, Swing Tube Non	1
35	70625	• • Nut, Swing Tube	1
36		• • Pin Cotter	1
-37	86320	• Assembly, Swing Tube Dual Shift Group	1
38		• • Plug, Pipe	4
39	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 **B50** HOW TO ORDER PARTS

B50
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 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 10 FINAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

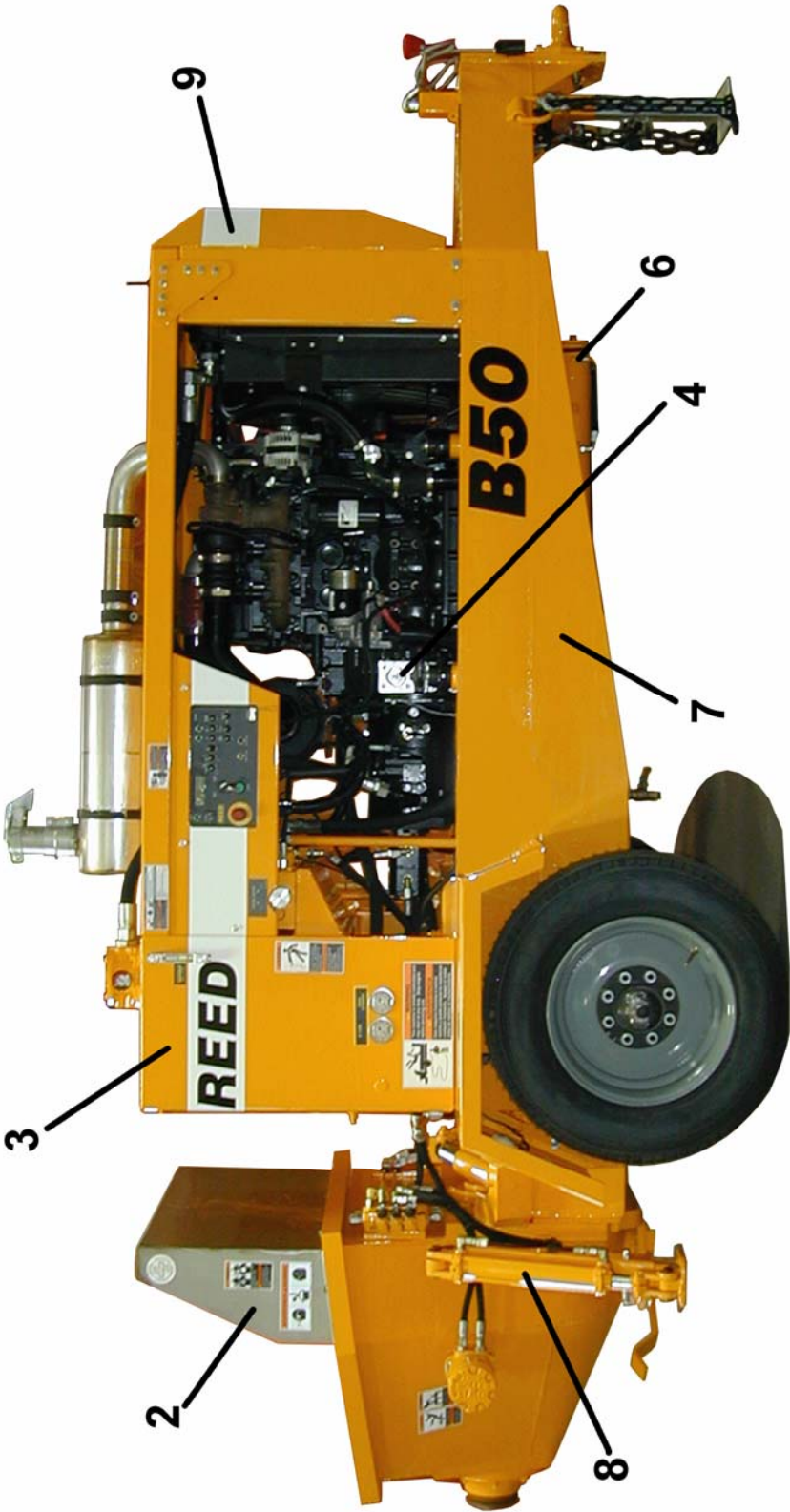
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** STANDARD HOPPER WITH SINGLE SHIFT INSTALLATION
- FIGURE 02** STANDARD HOPPER WITH DUAL SHIFT INSTALLATION
- FIGURE 03** DECAL ASSEMBLY





STANDARD HOPPER WITH
SINGLE SHIFT FINAL INSTALLATION

B50
PARTS
GROUP 10
FIGURE 01
PAGE 01





STANDARD HOPPER WITH SINGLE SHIFT FINAL INSTALLATION

B50
PARTS
GROUP 10
FIGURE 01
PAGE 02

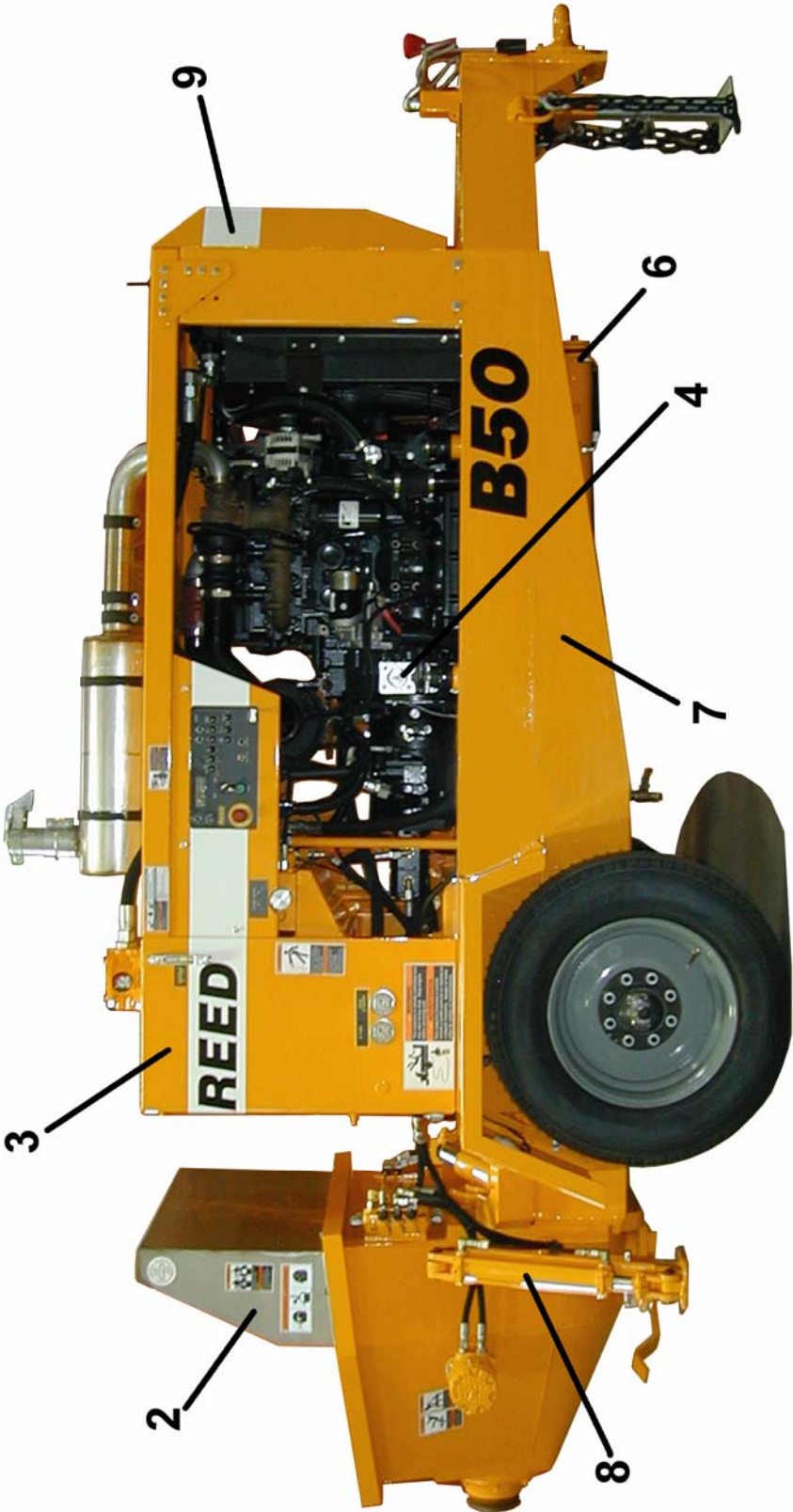
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	B50A-V06	Installation, B50 Standard Hopper with Single Shift Final	Ref
2	20-01	• Installation, Standard Hopper (See Group 20, Figure 01 for DET)	1
3	30-01	• Installation, Tank (See Group 30, Figure 01 for DET)	1
4	40-01	• Installation, Power Train (See Group 40, Figure 01 for DET)	1
5	50-01	• Installation, Control (See Group 50, Figure 01 for DET)	1
6	60-02	• Installation, Single Shift Pumping Train (See Group 60, Figure 02 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	10-05	• Kit, B50 Decal (See Group 10, Figure 05 for DET)	1

REVISION:



STANDARD HOPPER WITH
DUAL SHIFT FINAL INSTALLATION

B50
PARTS
GROUP 10
FIGURE 02
PAGE 01





STANDARD HOPPER WITH DUAL SHIFT FINAL INSTALLATION

B50
PARTS
GROUP 10
FIGURE 02
PAGE 02

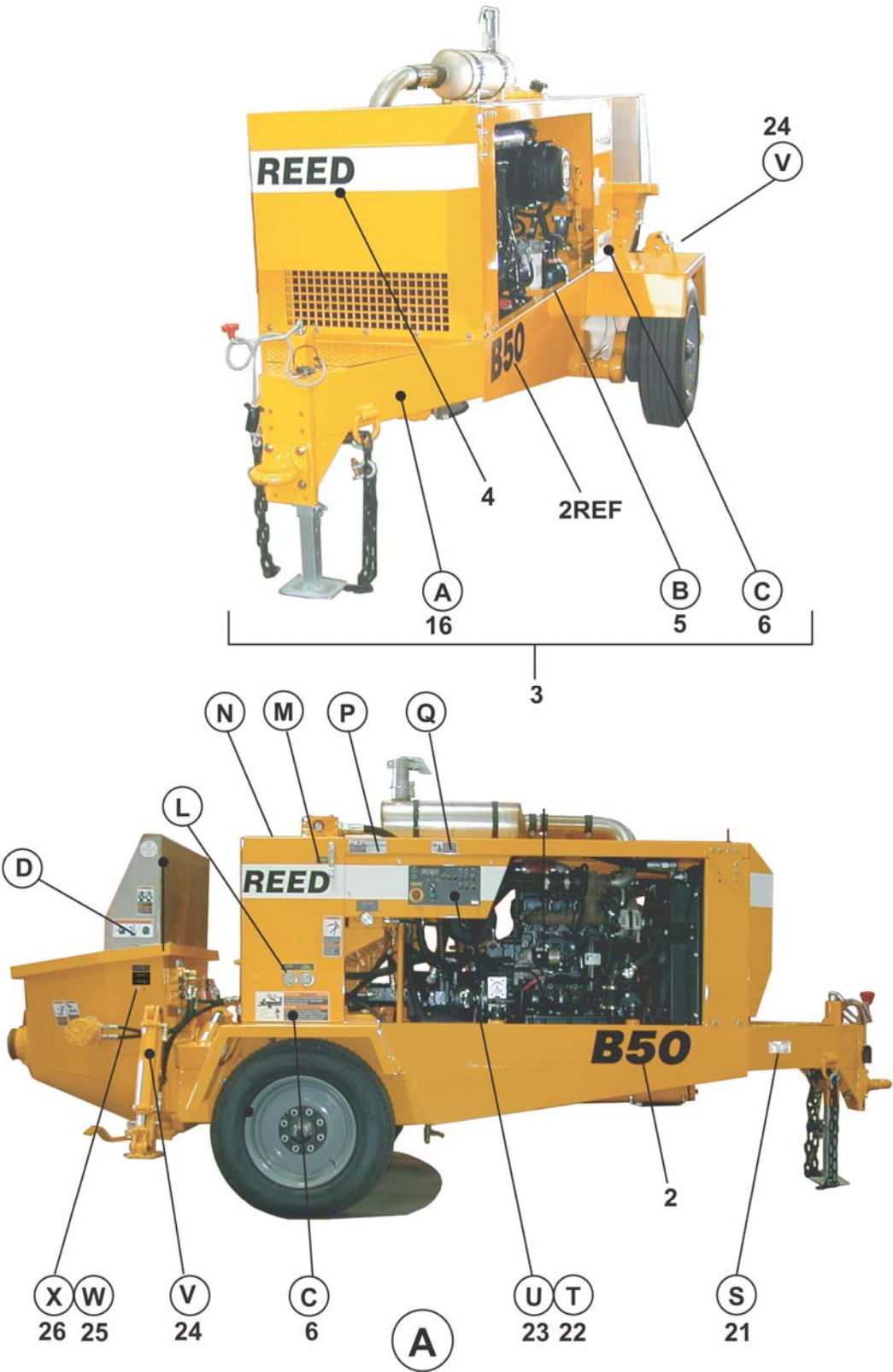
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	B50C-V06	Installation, B50 Standard Hopper with Dual Shift Final	Ref
2	20-01	• Installation, Standard Hopper (See Group 20, Figure 01 for DET)	1
3	30-01	• Installation, Tank (See Group 30, Figure 01 for DET)	1
4	40-01	• Installation, Power Train (See Group 40, Figure 01 for DET)	1
5	50-01	• Installation, Control (See Group 50, Figure 01 for DET)	1
6	60-02	• Installation, Dual Shift Pumping Train (See Group 60, Figure 02 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	10-05	• Kit, B50 Decal (See Group 10, Figure 05 for DET)	1

REVISION:



DECAL ASSEMBLY

B50
PARTS
GROUP 10
FIGURE 03
PAGE 01



REVISION:



ITEM NO.	REED'S PART NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	10-05	Kit, B50 Decal (See Group 10, Figure 01, 02, 03, and 04 for NHA)	Ref
2	86703	• Decal, B50 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...	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...	1
10	73132	•• Decal, REED 4-1/2 Inch	1
11	800931	•• Decal, ACPA Member	1
12	800929A	•• Decal, Warning	2
13	800917	•• Decal, Warning, Keep Hand Out of Hopper and Valve	2
14	800918	•• Decal, Warning, Do Not Stand on Hopper Grate	2
15	85684	•• Decal, B-Series Gauge	1
16	85844	•• Decal, Oil	1
17	75020	•• Decal, Hydraulic Oil	1
18	85413	•• Decal, Volume Control	1
19	800925	•• Decal, Warning, Do Not Operate This Machine without	1
20	75017	•• Decal, Diesel Fuel Only	1
21	86636	•• Nameplate, REED , Serial No.	1
22	NPN	• Decal, B50 Control Box Panel	1
23	NPN	• Decal, B50 Remote Control	1
24	800919	• Decal, Optional, Warning, Stand Clear Outriggers When	2
25	83845	• Decal, Outriggers (Optional Items)	1
26	83846	• Decal, Agitator (Optional Items)	1
-27	803225	• Decal, Warning, Leaks Hazard	2
-28	803226	• Decal, How To Order	1
-29	803229	• Decal, CPMA	1
-30	803231	• Decal, Toxic Dust	2
-31	803235	• Decal, 1-7 Operator Signals	1
-32	803237	• Decal, Pressurized Pipes	2
		DASH (-) ITEM NOT ILLUSTRATED	



DECAL ASSEMBLY

B50
PARTS
GROUP 10
FIGURE 03
PAGE 03



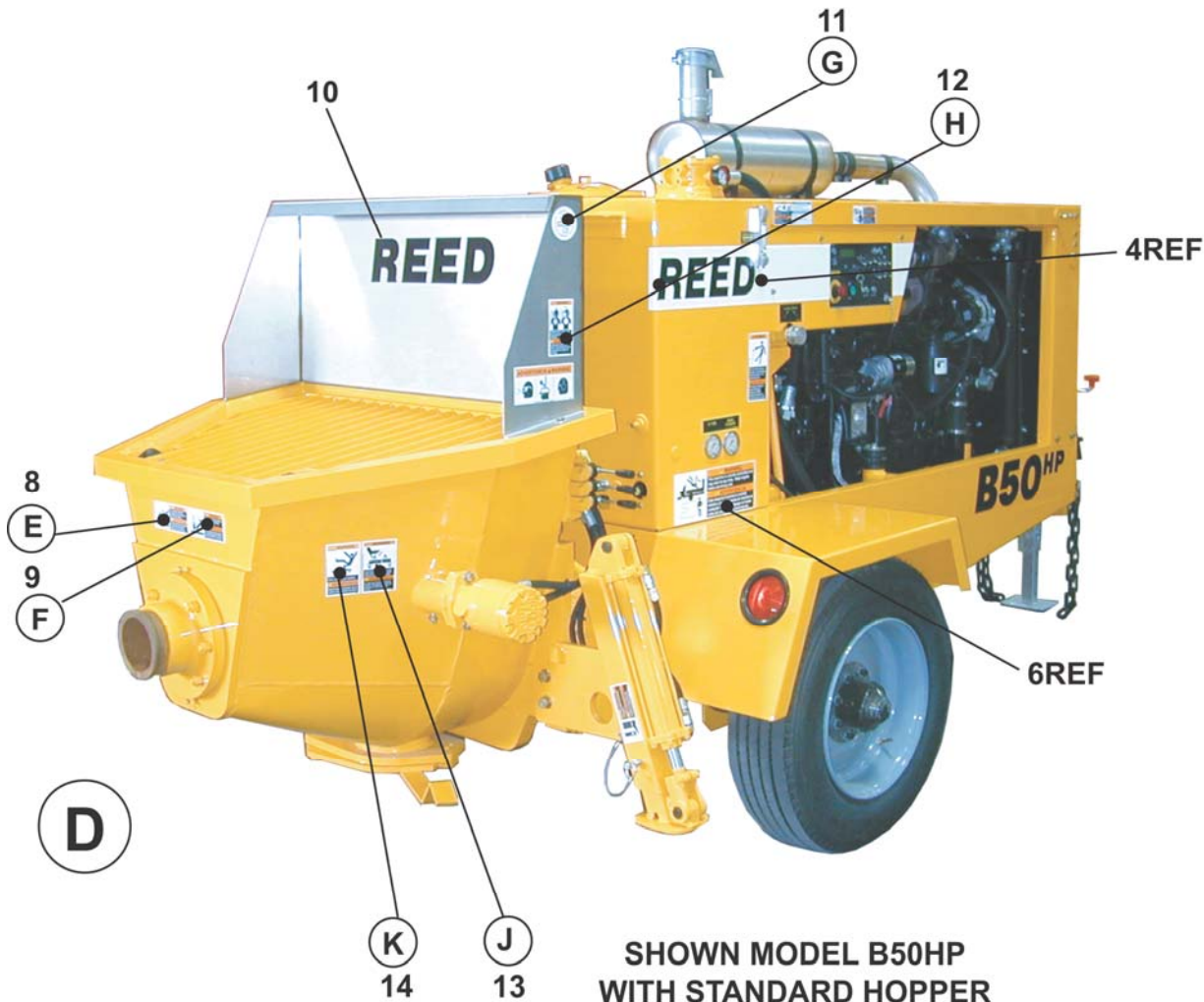
⚠ WARNING

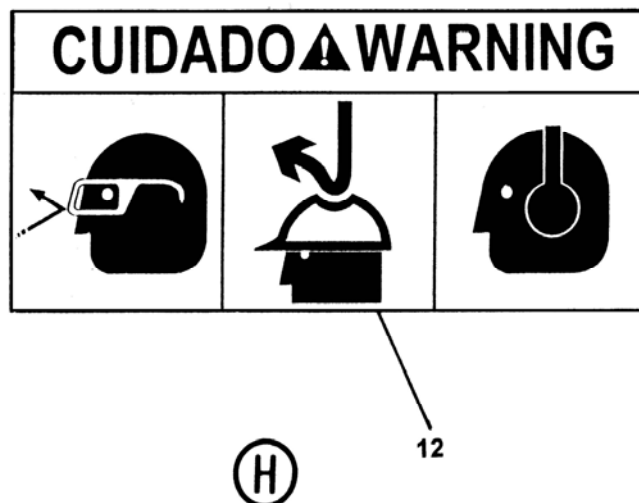
This machine is remote controlled and may start at any time. Stop engine before servicing unit.

⚠ ADVERTENCIA

Esta máquina funciona a control remoto y puede ponerse en marcha en cualquier momento. Apagar el motor antes de realizar el mantenimiento.

6
C







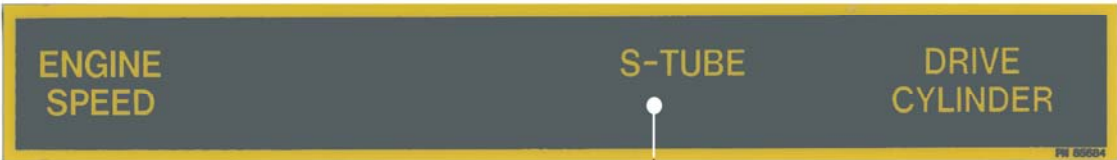
J

13



K

14



L

15



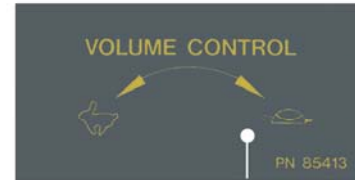
M

16

HYDRAULIC OIL

(N)

17



(P)

18



⚠ WARNING

Do not operate this machine without training. Understand the warnings in safety manuals and on decals.

⚠ ADVERTENCIA

No use esta maquinaria sin estar capacitado. Entienda las advertencias de los manuales de seguridad y de las calcomanías.

Do not paint over this label/No pintar encima de esta etiqueta 800325

(Q)

19

**DIESEL FUEL
ONLY**

(R)

20

REED		PHONE (909)287-2100	
13822 OAKS AVENUE		FAX (909)287-2140	
CHINO, CA 91710 USA			
MODEL		SERIAL NO.	
MATERIAL PRESSURE		PSI	BAR
HYDRAULIC PRESSURE		PSI	BAR
ENGINE / PTO		RPM	VOLTS
ELECTRIC MOTOR			
VEHICLE WEIGHT (APPROX.)		LBS	KG

PN 86636

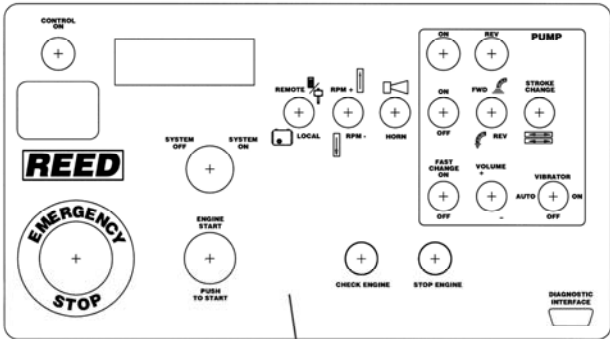
(S)

21

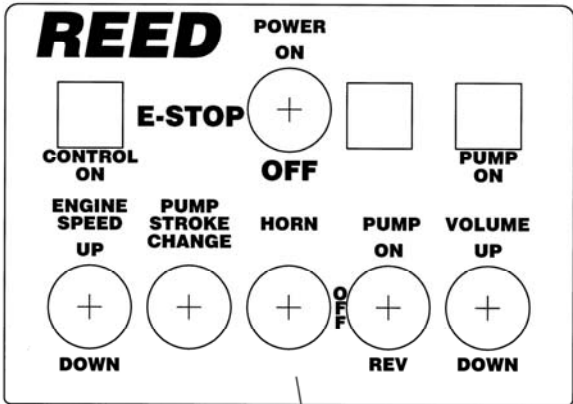


DECAL ASSEMBLY

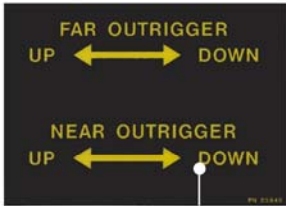
B50
PARTS
GROUP 10
FIGURE 03
PAGE 07



T 22



U 23



W 25



V 24



X 26





TRAILER MOUNTED PUMP MODEL *B50*
GROUP 10 FINAL INSTALLATION

B50
PARTS
GROUP 10
FIGURE 04
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 20 HOPPER INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** STANDARD HOPPER INSTALLATION-NO MIXER
- FIGURE 02** STANDARD HOPPER INSTALLATION-WITH MIXER
- FIGURE 03** HOPPER CLEAN OUT DOOR ASSEMBLY
- FIGURE 04** STANDARD HOPPER AGITATOR ASSEMBLY
- FIGURE 05** STANDARD HOPPER AGITATOR MOTOR ASSEMBLY
- FIGURE 06** 3 SPOOL CONTROL VALVE ASSEMBLY
- FIGURE 07** 3 SPOOL CONTROL VALVE SUB-ASSEMBLY
- FIGURE 08** SAFETY HOPPER GRATE INSTALLATION

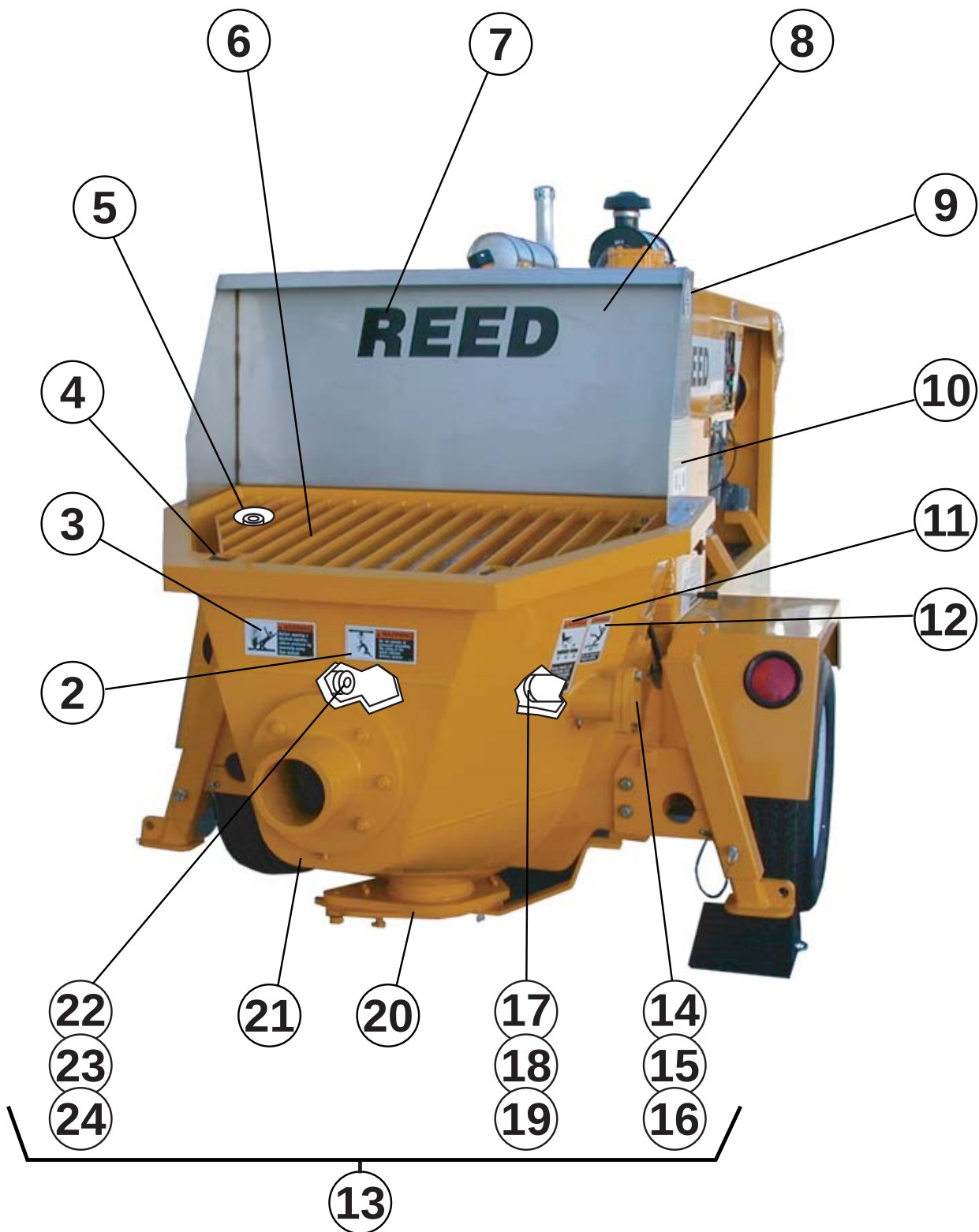


MODEL B50HP SHOWN



STANDARD HOPPER
INSTALLATION-NO MIXER

B50
PARTS
GROUP 20
FIGURE 01
PAGE 01



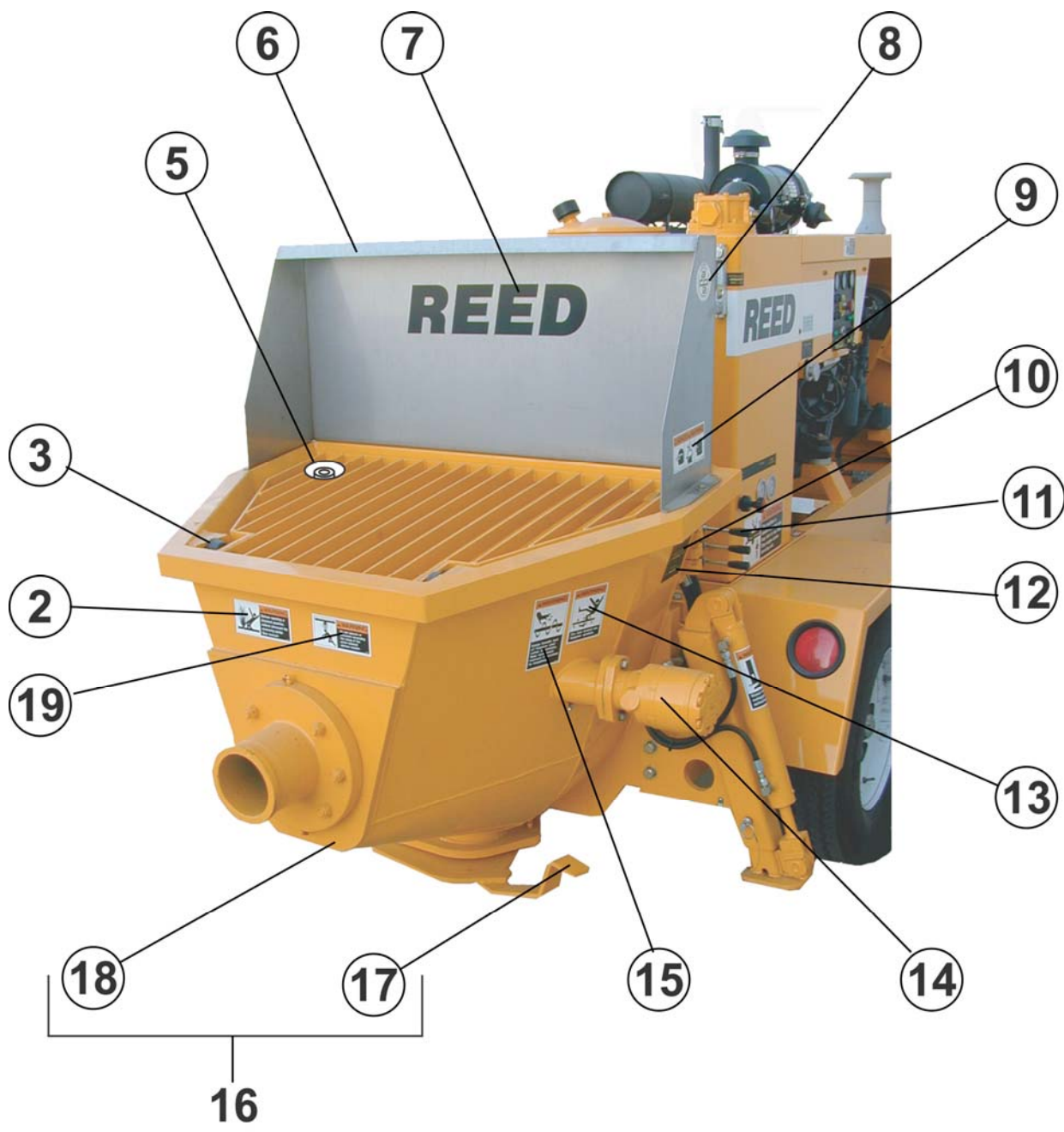
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-01	Installation, Standard Hopper (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
2	800921	• Decal, Warning, Do Not Operate at Pressures Exceeding	1
3	800922	• Decal, Warning, Before Opening a Blocked Pipeline,	1
4	86118	• Mount, Hopper Grate	2
5	86083	• Bumper, Hopper Grate	2
6	86113	• Grate, Standard Hopper	1
7	73132	• Decal, REED 4 1/2 Inch	1
8	85390	• Guard, Splash	1
9	800931	• Decal, ACPA Member	1
10	800929A	• Decal, Warning	2
11	800918	• Decal, Warning, Do Not Stand on Hopper Grate	2
12	800917	• Decal, Warning, Keep Hand Out of Hopper and Valve	2
13	86313	• Assembly, Standard Hopper	1
14	73433	• • Cover, Remix Outside	1
15		• • Bolt, Hex (attaching parts)	2
16		• • Washer, SPL Lock (attaching parts)	2
17	73434	• • Cover, Remix Inside	1
18		• • Bolt, Hex (attaching parts)	6
19		• • Washer, SPL Lock (attaching parts)	6
20	86542	• • Assembly, Clean Out Door (See Group 20, Figure 03 for DET)	1
21	86107	• • Weldment, Standard Hopper	1
22	86623	• • Seal, Agitator	1
23		• • Bolt, Hex (attaching parts)	1
24		• • Washer, Flat (attaching parts)	1
-25	86322	• Assembly, Standard Hopper Agitator (Optional Item) (See Group 20, Figure 04 for DET)	1
-25	20-08	• Assembly, 3 Spool Control Valve (Optional Item) (See Group 20, Figure 08 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED



STANDARD HOPPER
INSTALLATION-WITH MIXER

B50
PARTS
GROUP 20
FIGURE 02
PAGE 01



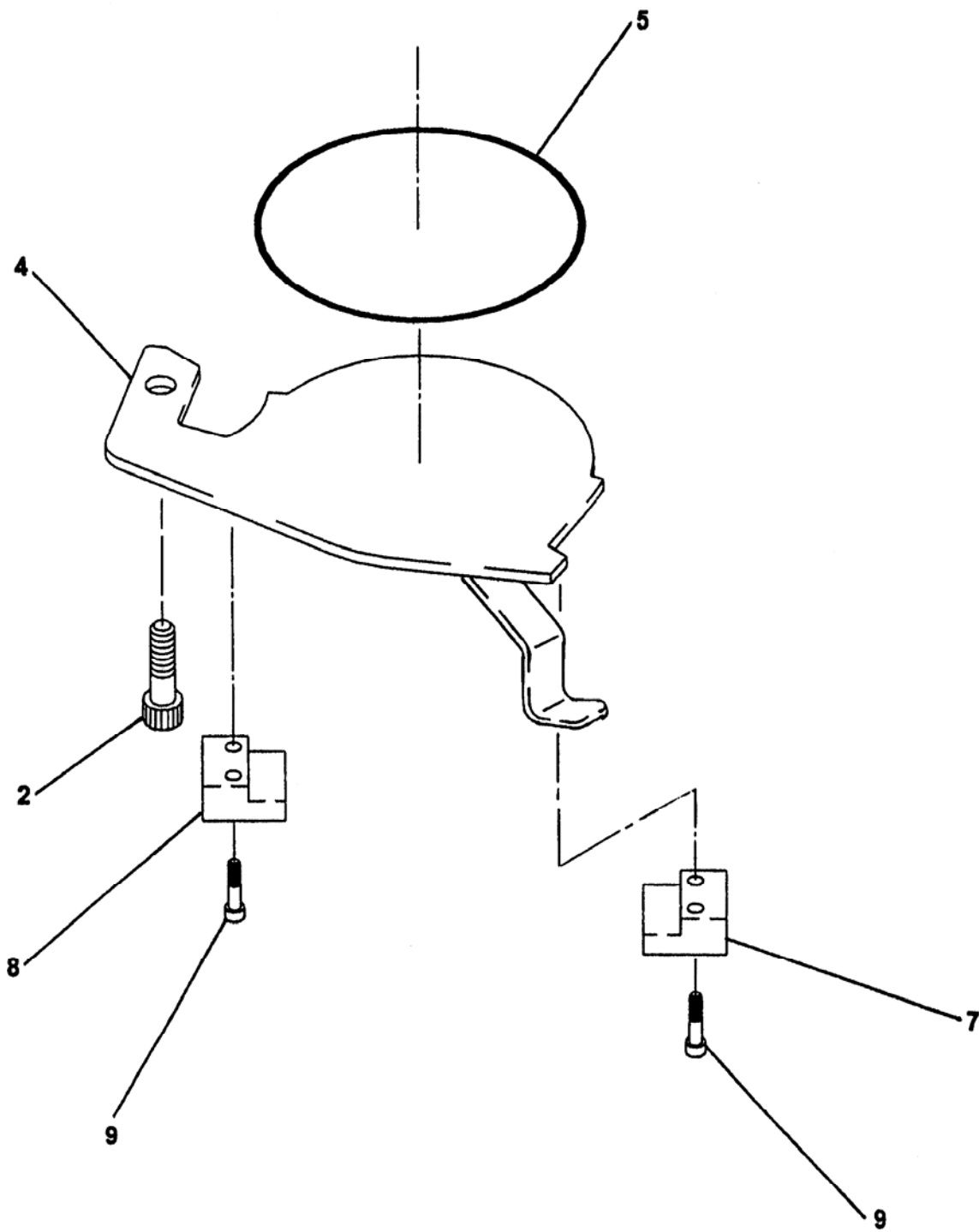
ITEM NO.	REED'S PART NO.	DESCRIPTION	QTY
		1 2 3 4 5	Ref
-1	20-02	Installation, Standard Hopper-With Mixer (See Group 10, Figure 03 and Figure 04 for NHA)	Ref
2	800922	• Decal, Warning, Before Opening a Blocked Pipeline	1
3	86118	• Mount, Hopper Grate	2
4	86113	• Grate, Standard Hopper	1
5	86083	• Bumper, Hopper Grate	2
6	85390	• Guard, Splash	1
7	73132	• Decal, REED 4-1/2 Inch	1
8	800931	• Decal, ACPA Member	1
9	800929A	• Decal, Warning	2
10	83845	• • Decal, Outriggers (Optional Items)	1
11	20-08	• Assembly, 3 Spool Control Valve (See Grpup 20, Figure 08 for DET)	1
12	83846	• Decal, Agitator	1
13	800917	• Decal, Warning, Keep Hand Out of Hopper and Valve	2
14	86322	• Assembly, Standard Hopper Agitator (Optional Item) (See Group 20, Figure 04 for DET)	1
15	800918	• Decal, Warning, Do Not Stand on Hopper Grate	2
16	86107	• Weldment, Standard Hopper	1
17	86542	• • Assembly, Clean Out Door (See Group 20, Figure 03 for DET)	1
18	86032	• • Weldment, Harsh Mix Hopper	1
19	800921	• Decal, Warning, Do Not Operate at Pressures Exceeding	1

DASH (-) ITEM NOT ILLUSTRATED



HOPPER CLEAN OUT
DOOR ASSEMBLY (ROUNDED)

B50
PARTS
GROUP 20
FIGURE 03
PAGE 01



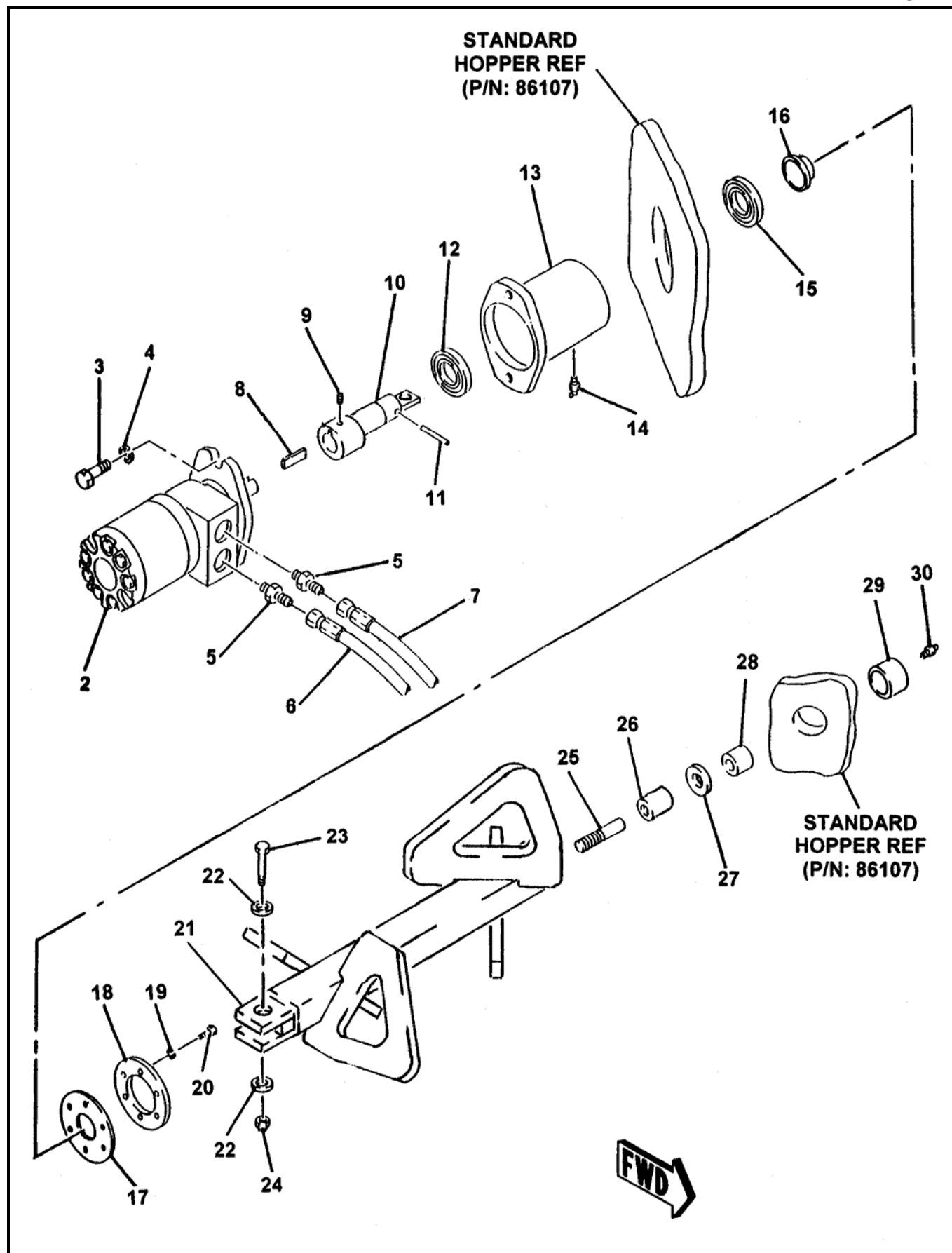


HOPPER CLEAN OUT DOOR ASSEMBLY (ROUNDED)

B50
PARTS
GROUP 20
FIGURE 03
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

REVISION:



REVISION:

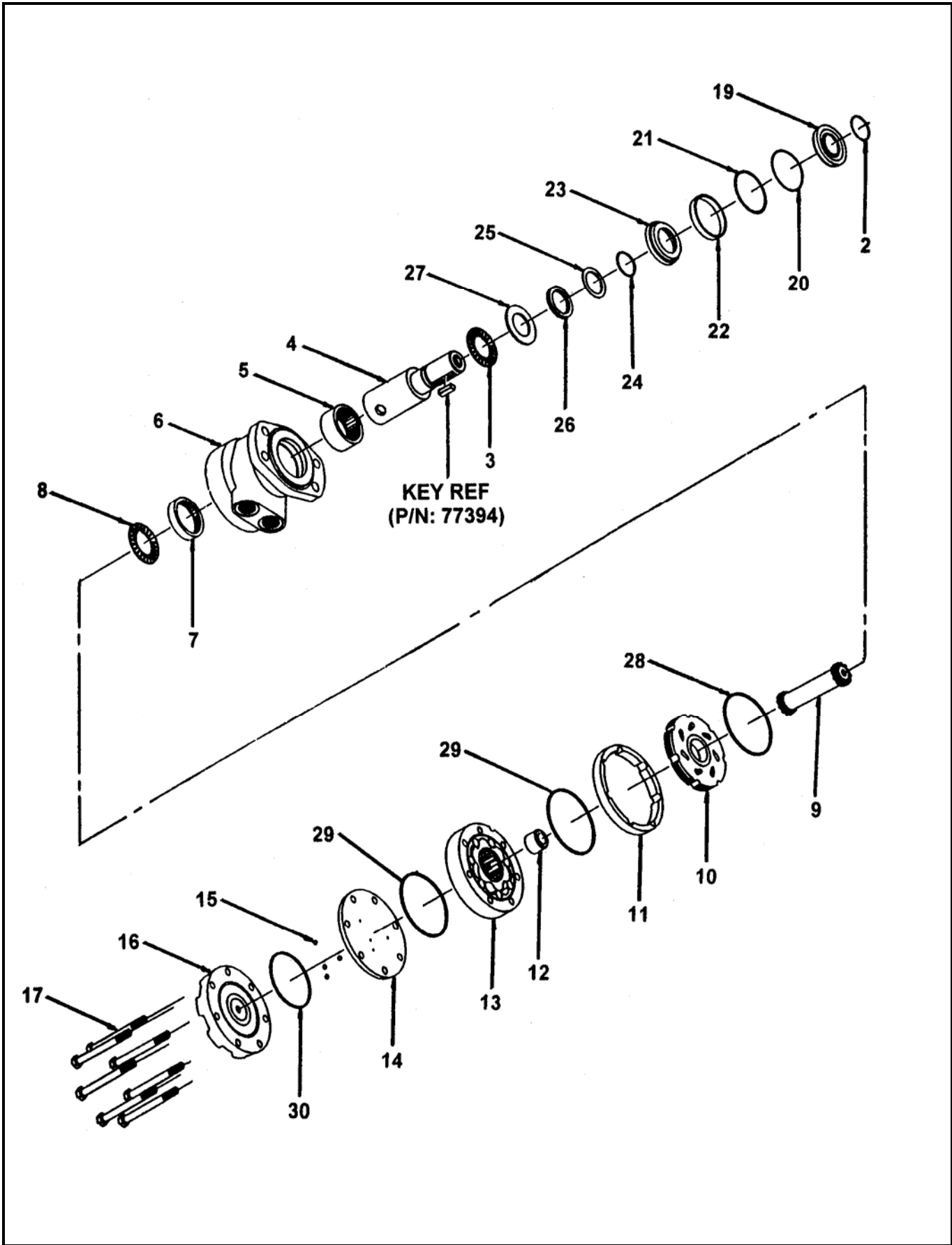
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86322	Assembly, Standard Hopper Agitator (Optional Item) (See Group 20, Figure 01 for NHA)	Ref
2	85811	• Assembly, Standard Hopper Agitator Motor (See Group 20, Figure 06 for DET)	1
3		• Bolt, Hex (attaching parts)	2
4		• Washer, Lock (attaching parts)	2
5		• Fitting, STR	2
6	85658-010	• Assembly, Hose	1
7	85658-011	• Assembly, Hose	1
8	77394	• Key	1
9	80374	• Screw, Set	1
10	85923	• Shaft, Agitator	1
11	80298	• Pin, Spring	1
12	85979	• Bearing, with Seal Ball	1
13	70226	• Housing, Bearing with Flange (Welded on Standard Hopper)	1
14	80516	• Fitting, 90 Grease	1
15	85978	• Bearing, Plain Ball	1
16	85976	• Ring, Agitator Wear	1
17	70212	• Seal	1
18	70211	• Flange, Seal	1
19		• Washer, Lock (attaching parts)	6
20		• Bolt, Hex (attaching parts)	6
21	86330	• Weldment, Standard Hopper Agitator Shaft	1
22		• Washer, Lock (attaching parts)	2
23	80156	• Screw, Hex Head Cap (attaching parts)	1
24	80019	• Nut (attaching parts)	1
25	70214	• Shaft, Idle	1
26	77877	• Spacer	1
27		• Washer	1
28	70219	• Bearing, Idler	1
29	70210	• Housing, Idler Bearing (Welded on Standard Hopper)	1
30		• Fitting, STR Grease	1
33		• Bolt, Hex (attaching parts)	6

DASH (-) ITEM NOT ILLUSTRATED



STANDARD HOPPER
AGITATOR MOTOR ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 05
PAGE 01



REVISION:

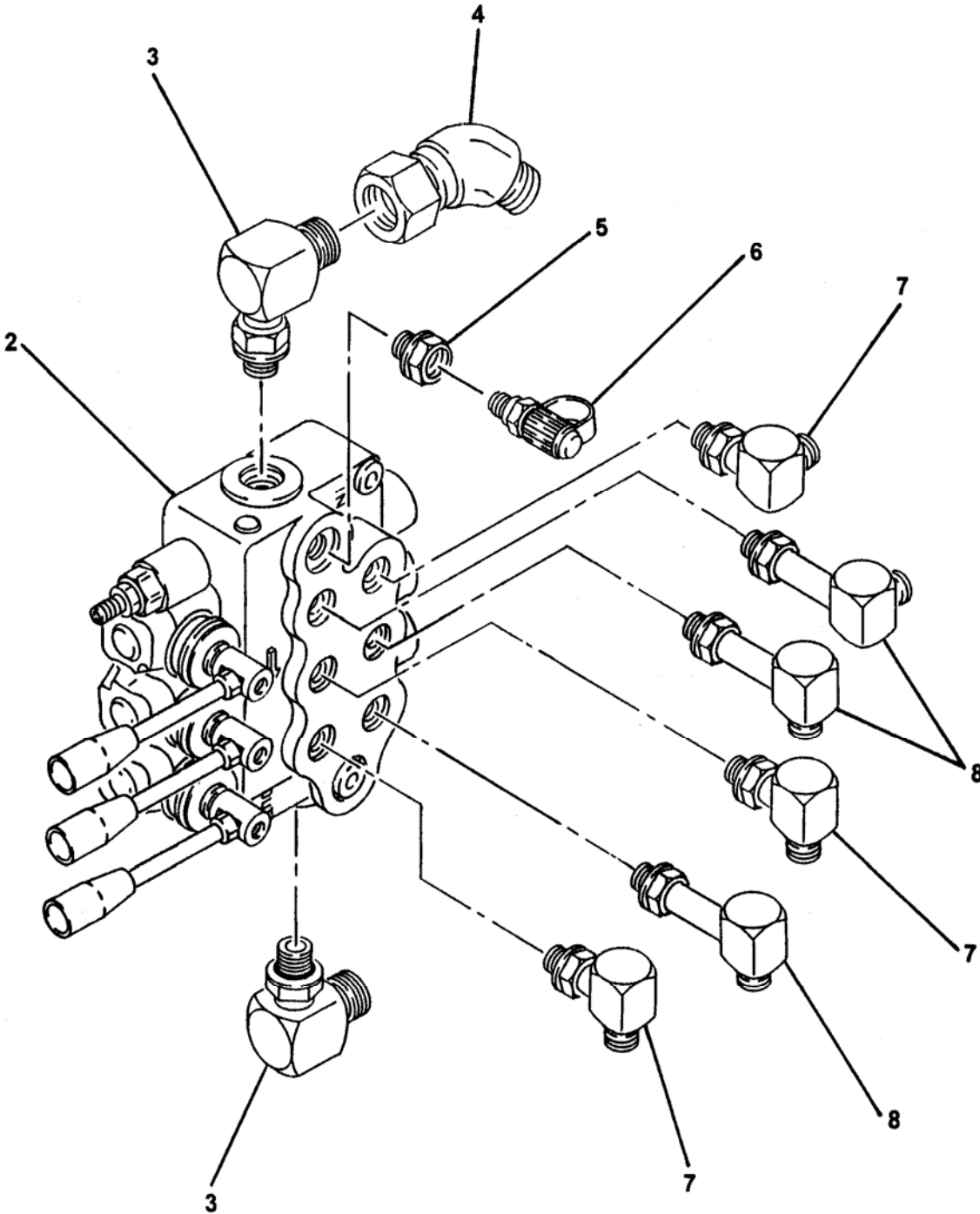
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85811	Assembly, Standard Hopper Agitator Motor (See Group 20, Figure 04 for NHA)	Ref
2		• Ring, Wire	1
3		• Bearing, Front Thrust	1
4		• Kit, Shaft	1
5		• Bearing, Front Housing	1
6		• Kit, Housing	1
7		• Bearing, Rear Housing	1
8		• Bearing,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

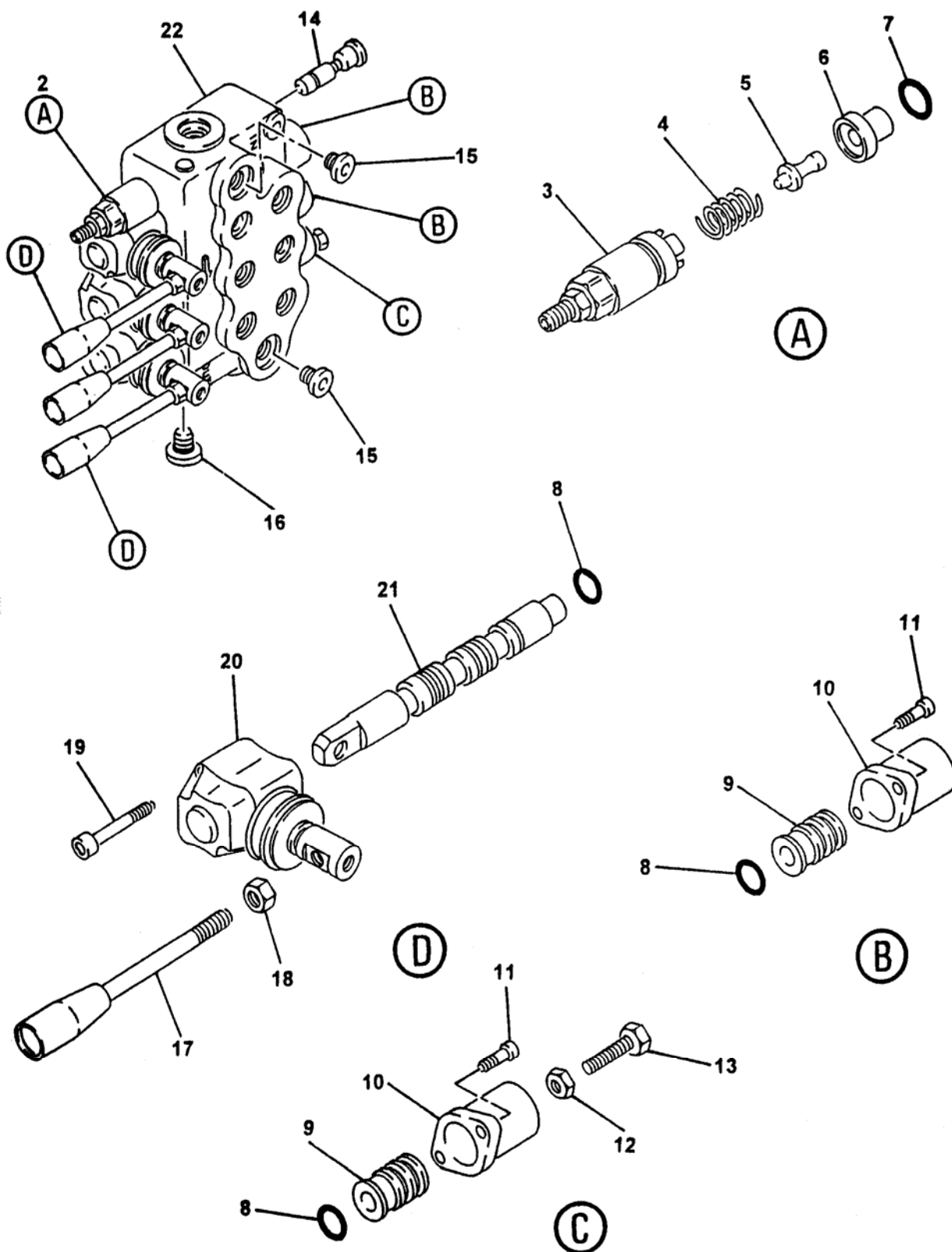
B50
PARTS
GROUP 20
FIGURE 06
PAGE 01



REVISION:

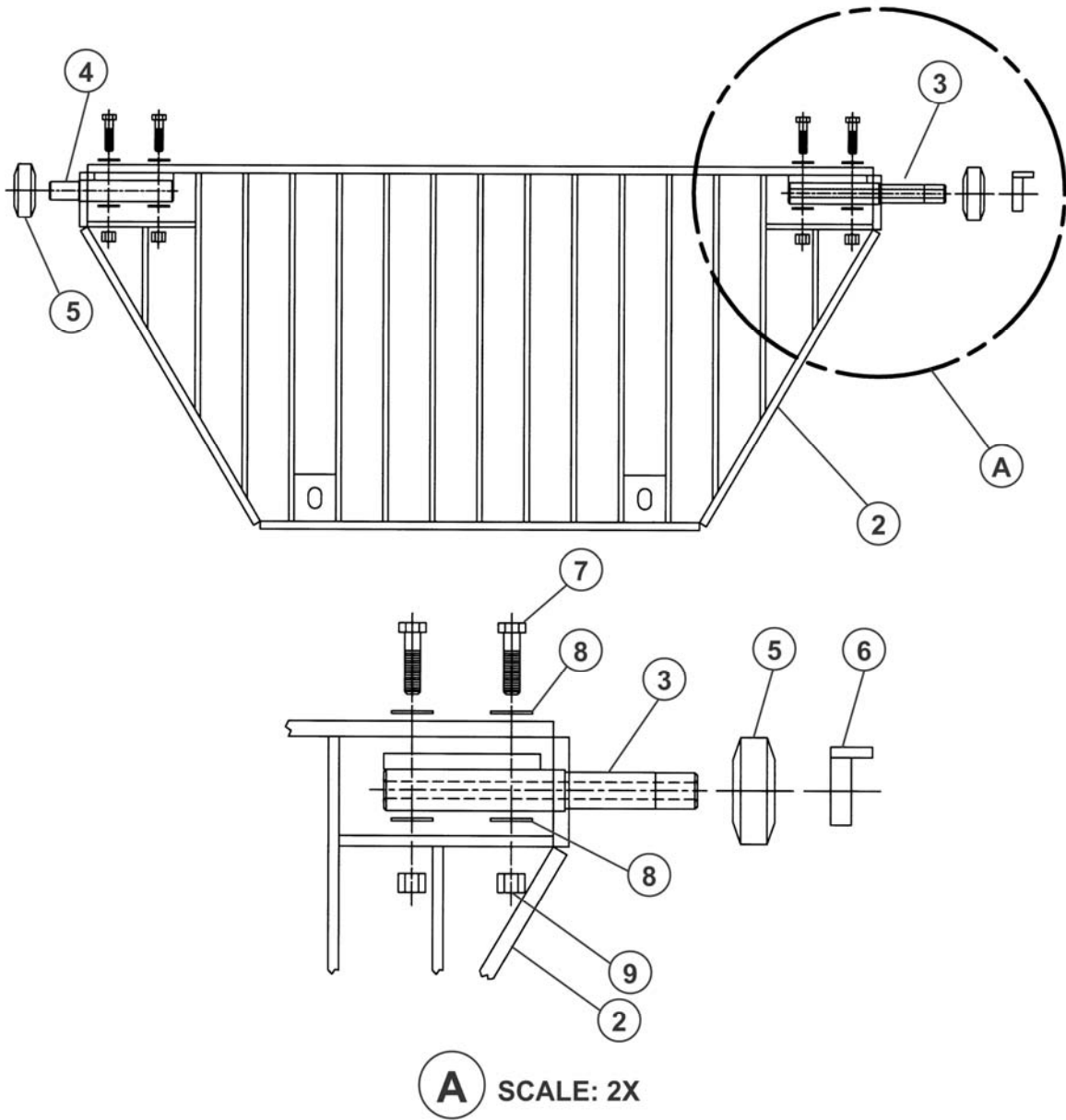
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-08	Assembly, 3 Spool Control Valve (See Group 20, Figure 01 and Figure 02 for NHA)	Ref
2	74471	• Sub-Assembly, Agitator Control Valve (See Group 20, Figure 10 for DET)	1
3		• Fitting, 90	2
4		• Swivel, 45	1
5		• Reducer, 8-6	1
6	800083	• Fitting,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



ITEM NO.	REED'S PART 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	74471-017	• Handle, Remixer Valve	3
18		• Nut (attaching parts)	3
19		• Screw, SOC	6
20	74471-020	• Lever, L	3
21		• Spool	3
22		• Body, Valve	1

DASH (-) ITEM NOT ILLUSTRATED





**SAFETY HOPPER
GRATE INSTALLATION**

B50
PARTS
GROUP 20
FIGURE 08
PAGE 02

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-08	Installation, Safety Grate (If Equipped)	Ref
2	87835	• Grate Weldment, Standard Hopper	1
3	87857	• Pin Weldment, Long	1
4	87858	• Pin Weldment, Short	1
5	W-102490	• Buffer, Rubber	2
6	87769	• Collar, Shaft-7/8" Diameter	1
7		• Bolt, Hex 1-1/2" X 3/8-16UNC	4
8		• Washer, Flat 3/8	8
9		• Nut, Lock 3/8UNC	4
-10	87997	• Guard, Proximity Sensor	1
-11	77990	• Cable, Proximity Switch	1
-12	801902-006	• Clamp, 18MM Tube	1
-13	86083	• Bumper, Hopper Grate	2
		DASH (-) ITEM NOT ILLUSTRATED	



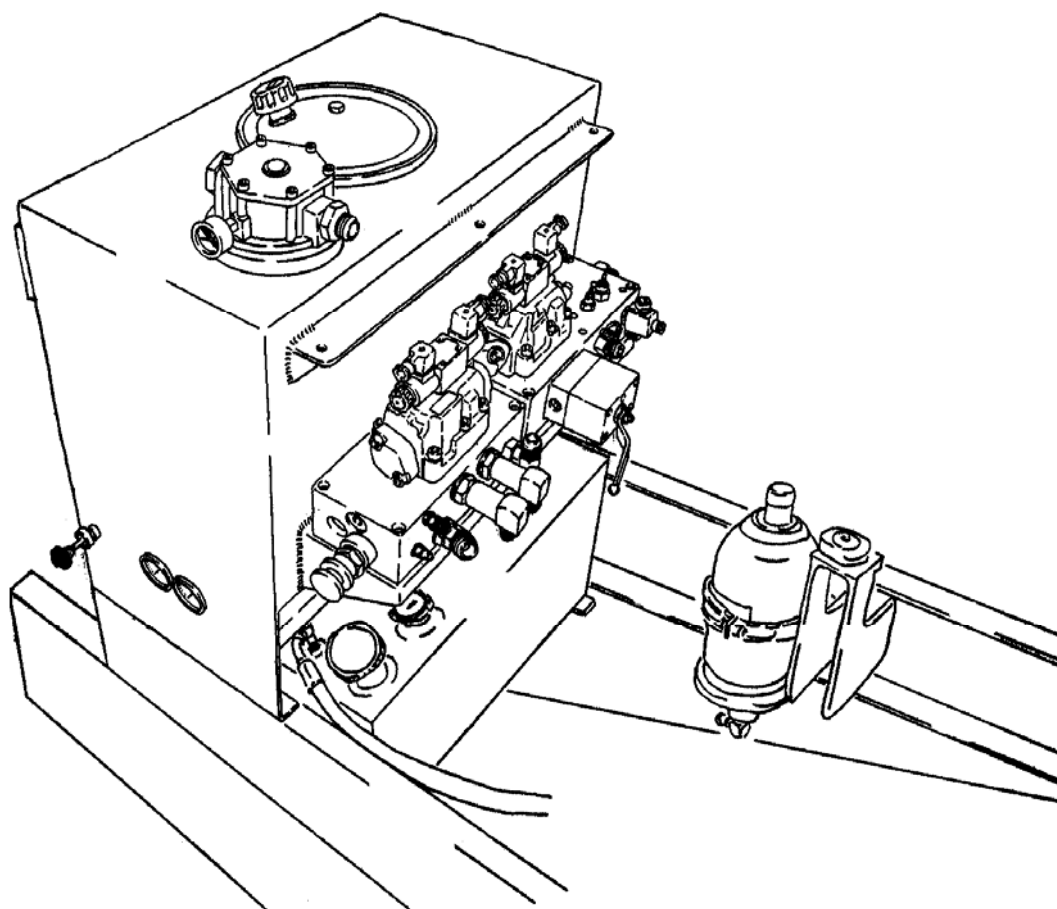
TRAILER MOUNTED PUMP MODEL *B50*
ILLUSTRATED PARTS MANUAL

B50
PARTS
GROUP 20
FIGURE 09
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 30 HYDRAULIC TANK INSTALLATION CONTAINS THE FOLLOWING FIGURES:

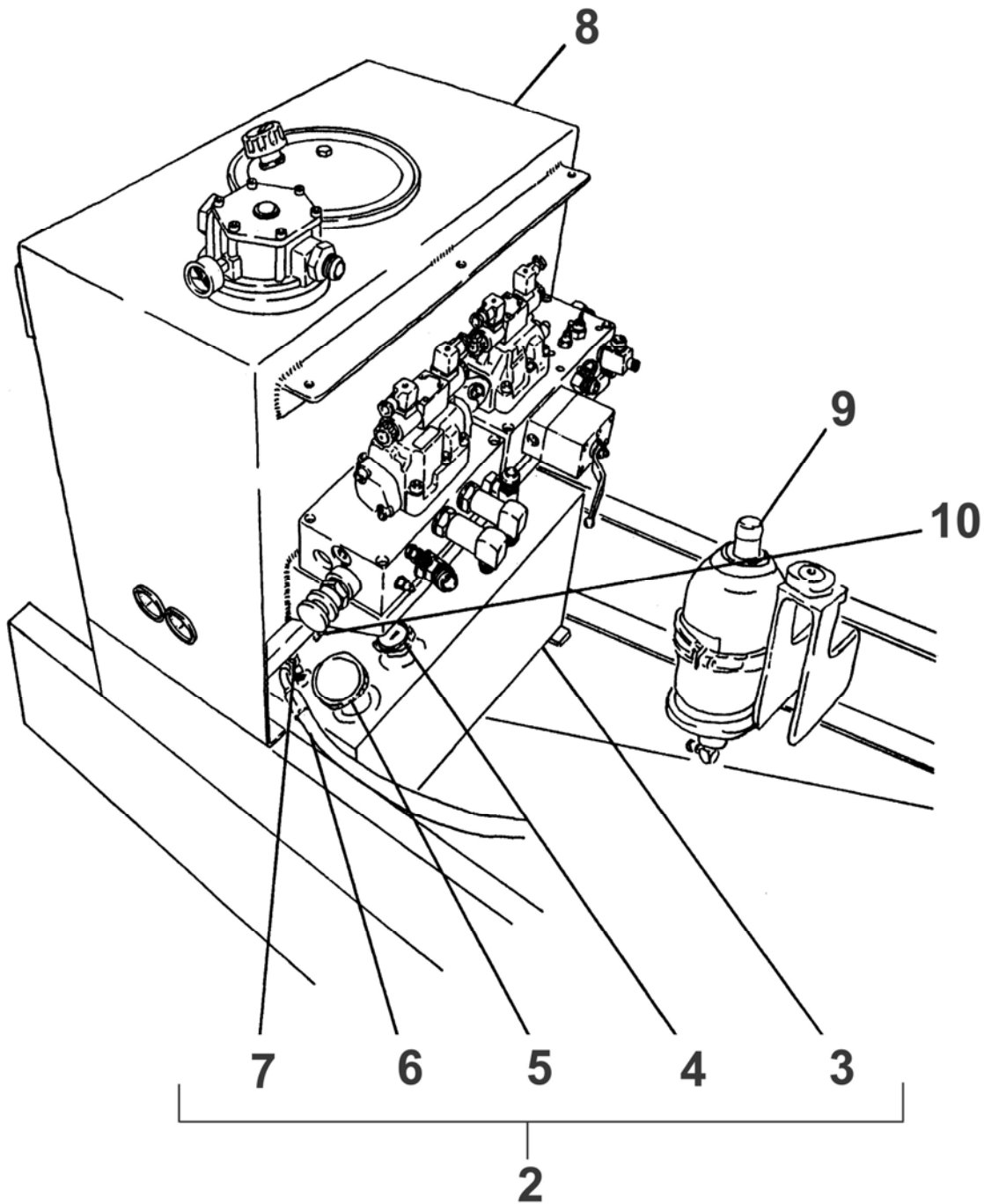
FIGURE 00	TABLE OF CONTENTS
FIGURE 01	TANK INSTALLATION
FIGURE 02	HYDRAULIC TANK ASSEMBLY
FIGURE 03	SWING TUBE CIRCUIT MANIFOLD ASSEMBLY
FIGURE 04	SWING TUBE CIRCUIT MAIN SOLENOID VALVE ASSEMBLY
FIGURE 05	SWING TUBE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY
FIGURE 06	BALL VALVE ASSEMBLY
FIGURE 07	DRIVE CYLINDER 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

B50
PARTS
GROUP 30
FIGURE 01
PAGE 01



(NOTE: FUEL CAP & GAUGE ACTUALLY ON OPPOSITE SIDE)



TANK INSTALLATION

B50
PARTS
GROUP 30
FIGURE 01
PAGE 02

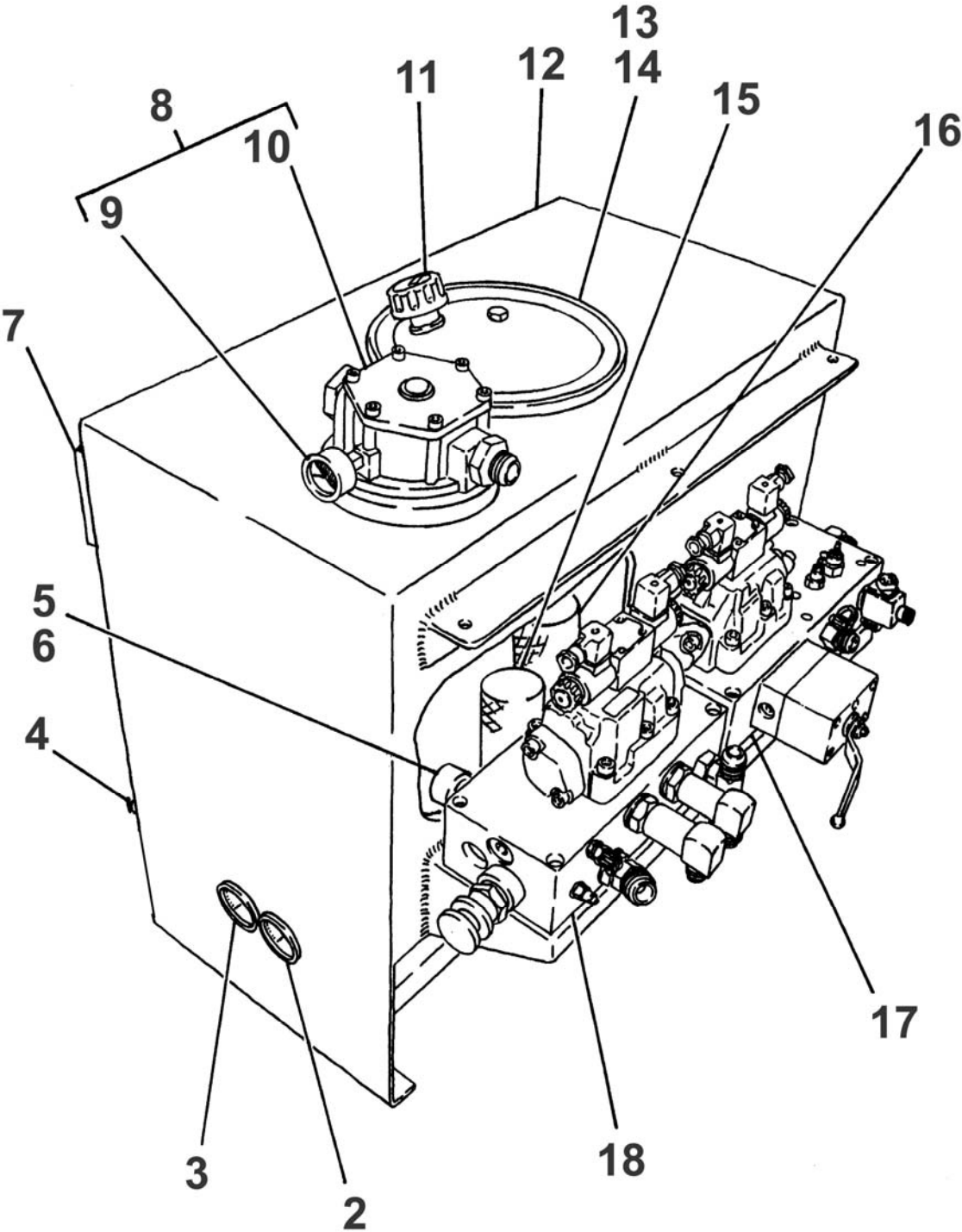
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	30-01	Installation, Tank (See Group 10, Figure 01, 02, 03 and 04 for NHA)	Ref
2	85363	• Assembly, Fuel Tank	1
3	85111	• • Weldment, Fuel Tank	1
4	85569	• • Gauge, Fuel	1
5	85570	• • Cap, Fuel	1
6	85362	• • Assembly, Fuel Pick Up Tube	2
7		• • 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	87797	• Kit, Hose (See SCHEMATIC Section, Page 05 for DET)	1

REVISION:



HYDRAULIC TANK ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 02
PAGE 01



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



**SWING TUBE
CIRCUIT MANIFOLD ASSEMBLY**

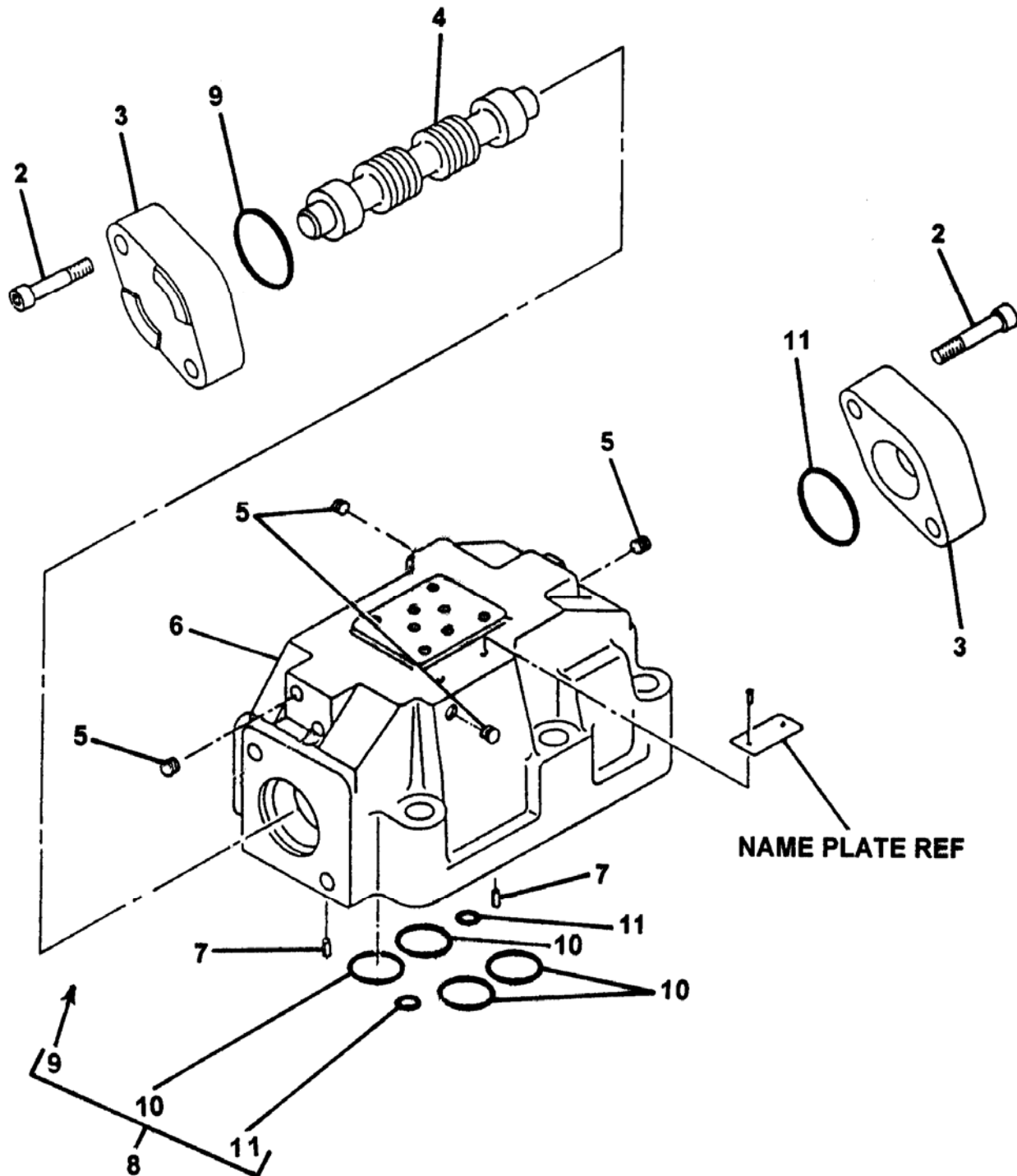
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85249	Assembly, Swing Tube Circuit Manifold (See Group 30, Figure 02 for NHA)	Ref
2	85693	• Assembly, Swing Tube Circuit Solenoid Valve	1
3	85694	• • Assembly, Swing Tube Circuit Main Solenoid Valve (See Group 30, Figure 04 for DET)	1
4	85695	• • 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

B50
PARTS
GROUP 30
FIGURE 04
PAGE 01



REVISION:



SWING TUBE CIRCUIT MAIN SOLENOID VALVE ASSEMBLY

B50
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

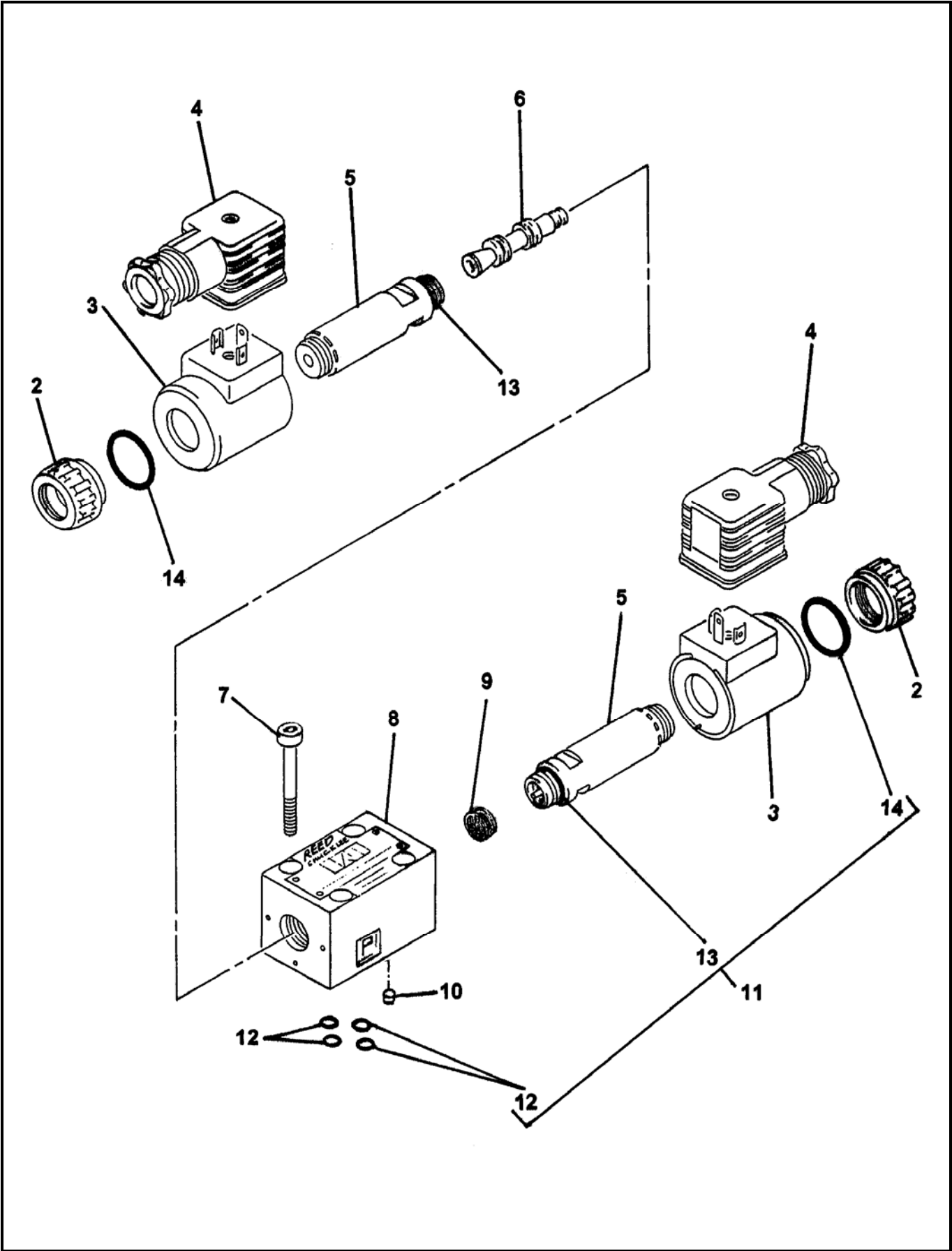
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



SWING TUBE CIRCUIT
PILOT SOLENOID VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 05
PAGE 01



REVISION:

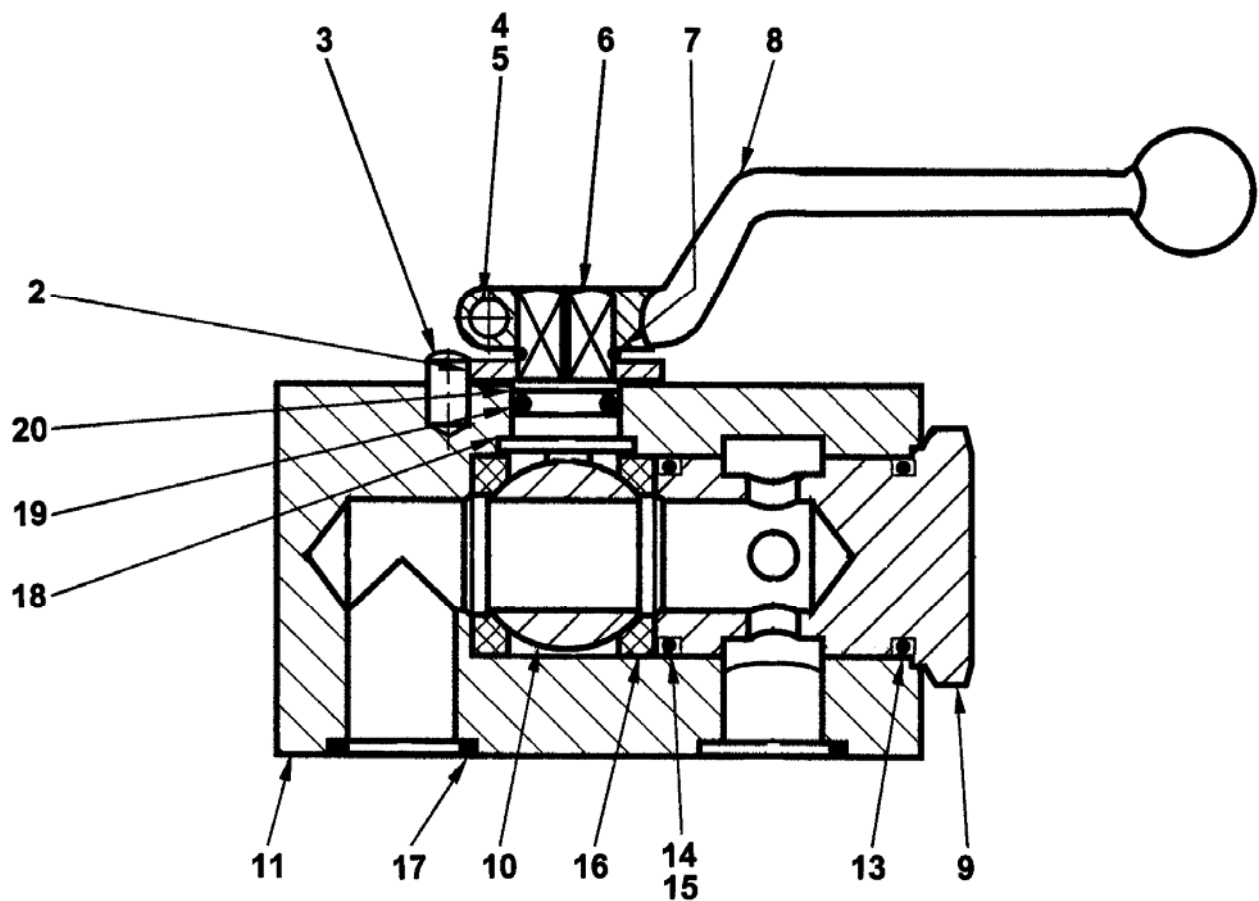
**SWING TUBE CIRCUIT
PILOT SOLENOID VALVE ASSEMBLY**

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

BALL VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 06
PAGE 01



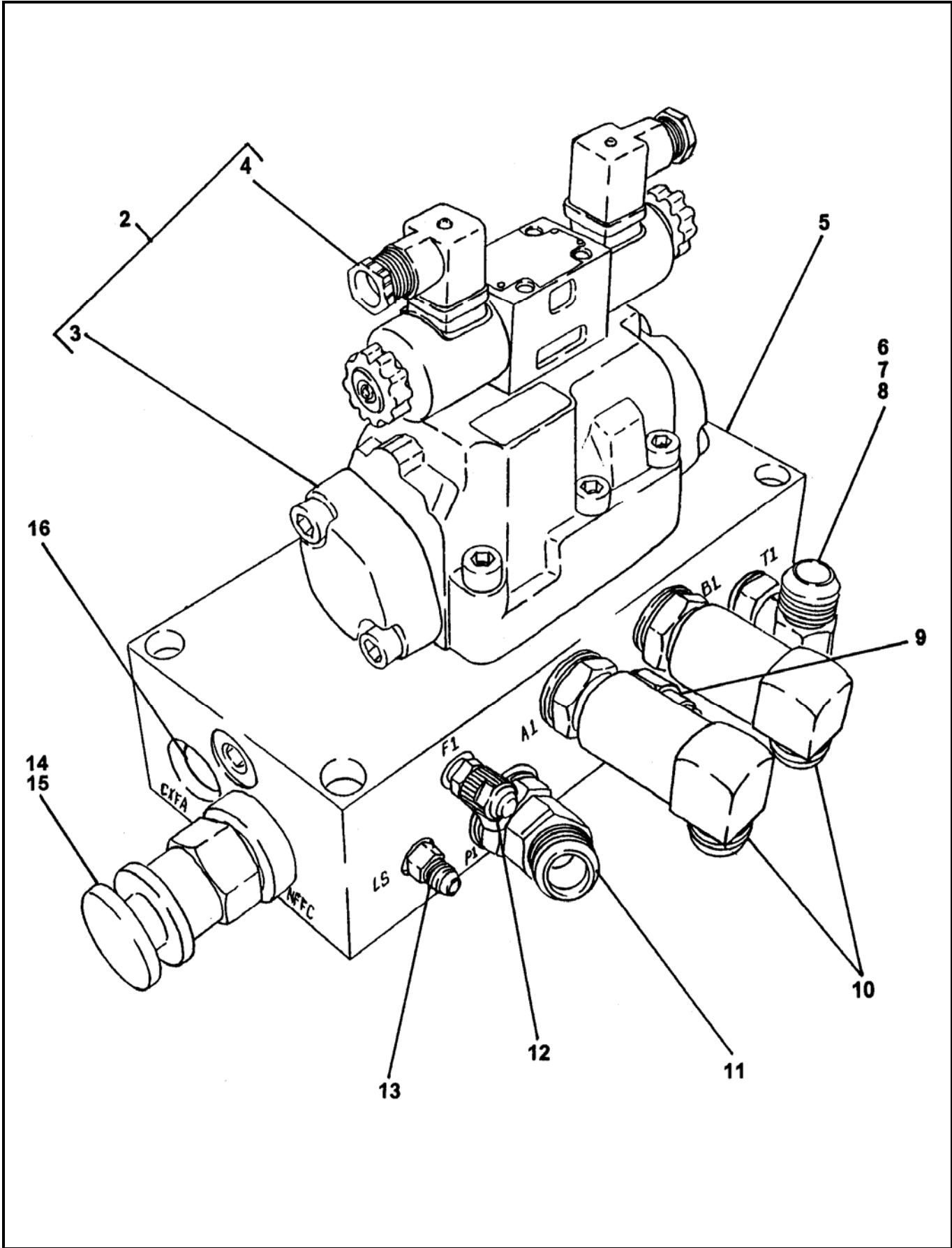
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85705	Assembly, Ball Valve (See Group 30, Figure 03 for NHA)	Ref
2		• Washer, Limit	1
3		• Pin, Stop	1
4		• Bolt, Hex	1
5		• Nut, Hex	1
6		• Handle, Control	1
7		• Spindle, Control	1
8		• Retainer, Spring	1
9		• Plug	1
10		• Ball	1
11		• Housing	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



DRIVE CYLINDER
CIRCUIT MANIFOLD ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 07
PAGE 01



REVISION:

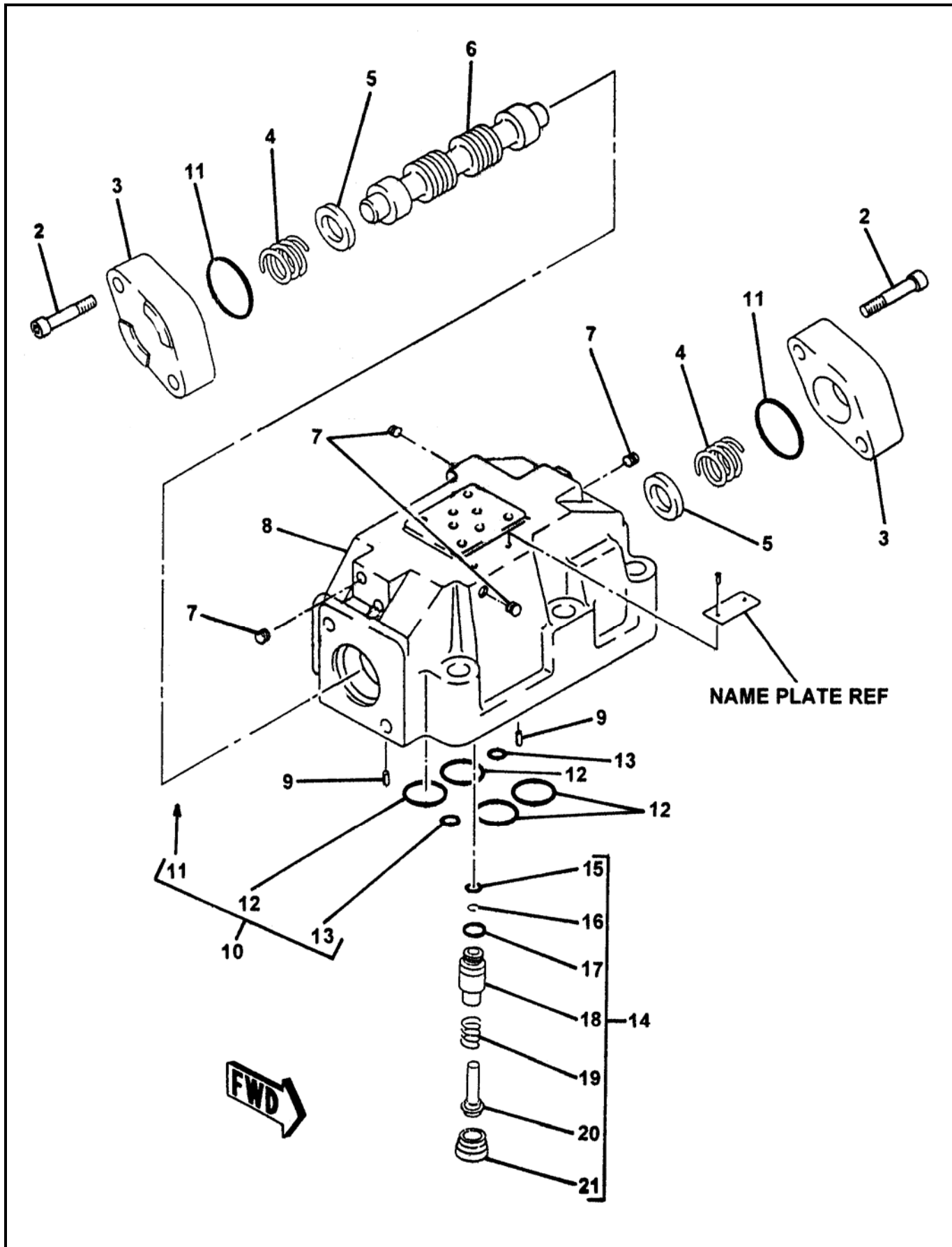
**DRIVE CYLINDER
CIRCUIT MANIFOLD ASSEMBLY**

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

DRIVE CYLINDER CIRCUIT MAIN SOLENOID VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 08
PAGE 01



REVISION:

**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

REVISION:

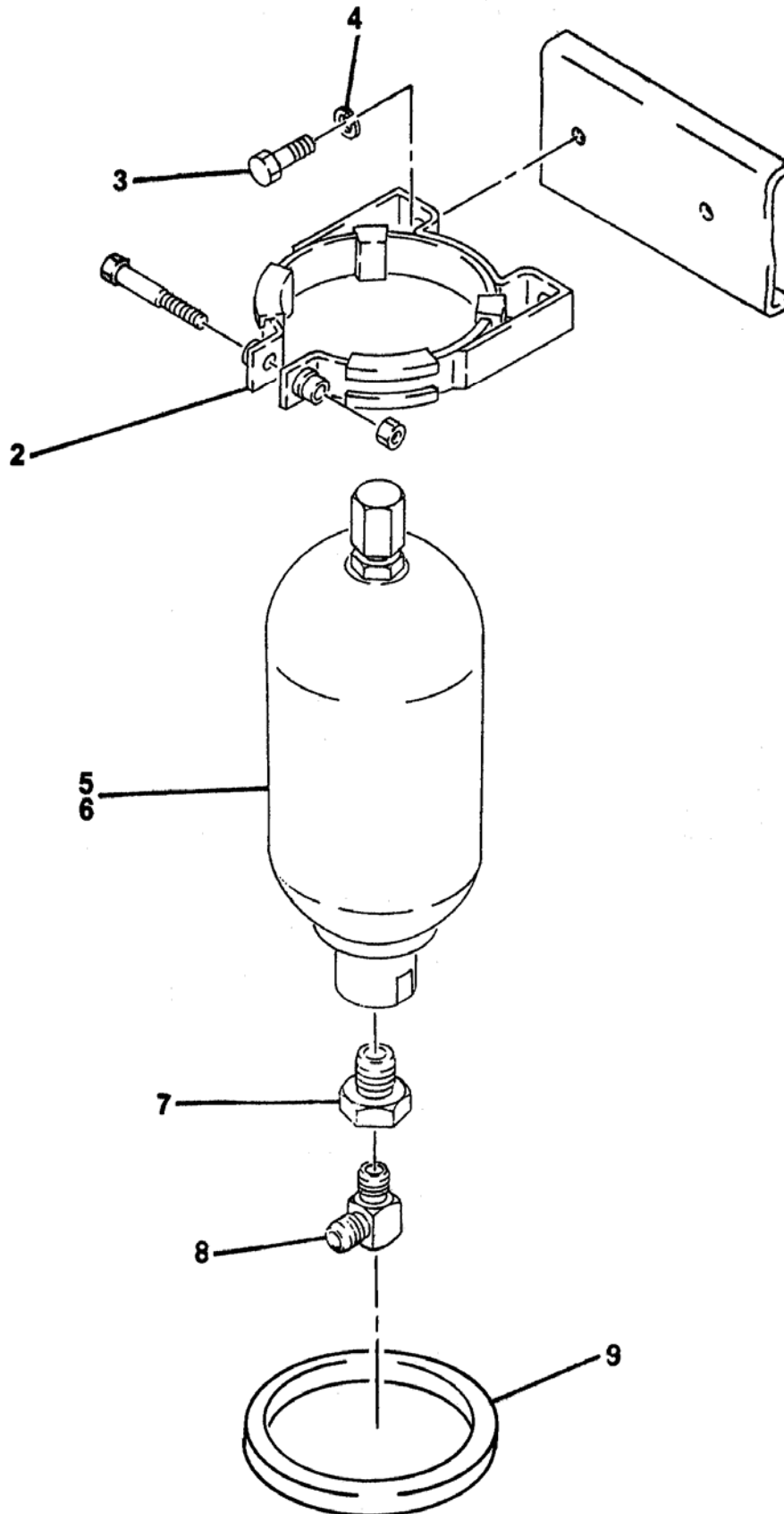
**SWING TUBE CIRCUIT
PILOT SOLENOID VALVE ASSEMBLY**

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

ACCUMULATOR ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 10
PAGE 01





ACCUMULATOR ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 10
PAGE 02

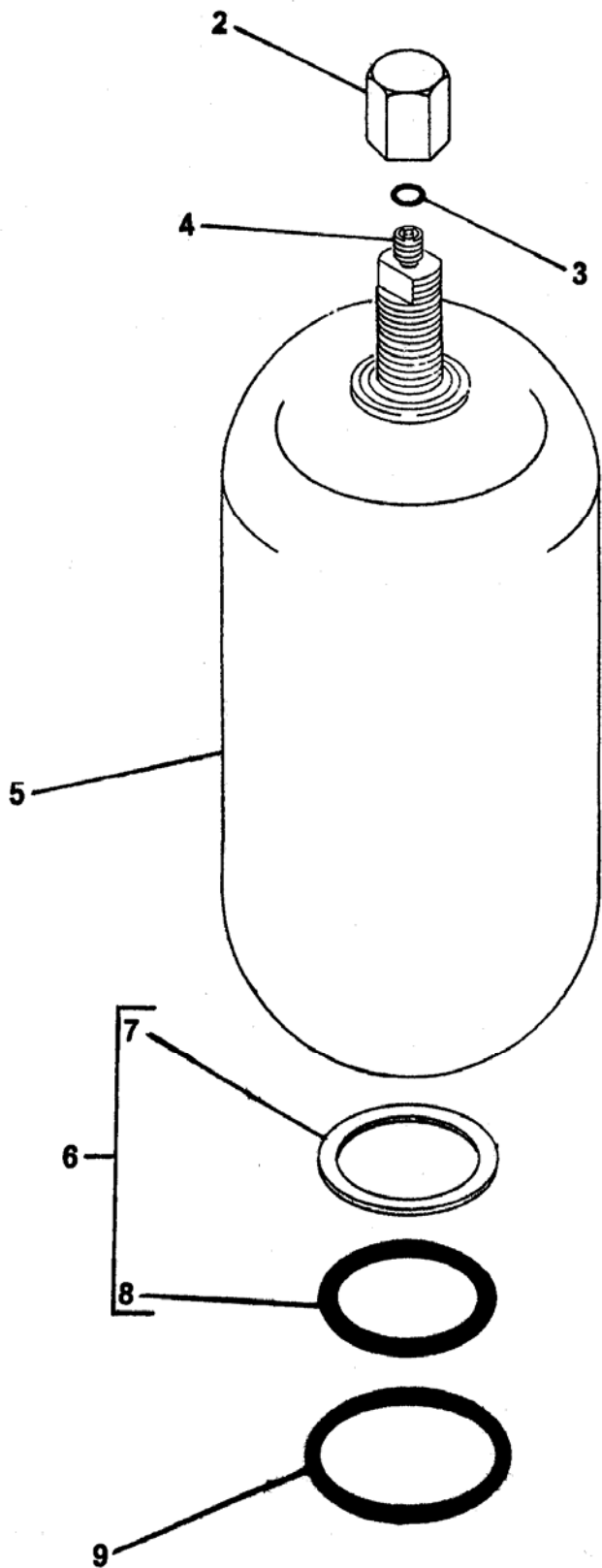
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	30-10	Assembly, Accumulator (See Group 30, Figure 01 for NHA)	Ref
2	73171	• Bracket, Accumulator	1
3		• Bolt, Hex (attaching parts)	2
4		• Washer, Lock (attaching parts)	2
5	74515	• Accumulator, 1 Gal	1
6	30-11	• Kit, Bladder Repair (See Group 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

B50
PARTS
GROUP 30
FIGURE 11
PAGE 01





ACCUMULATOR BLADDER REPAIR KIT

B50
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

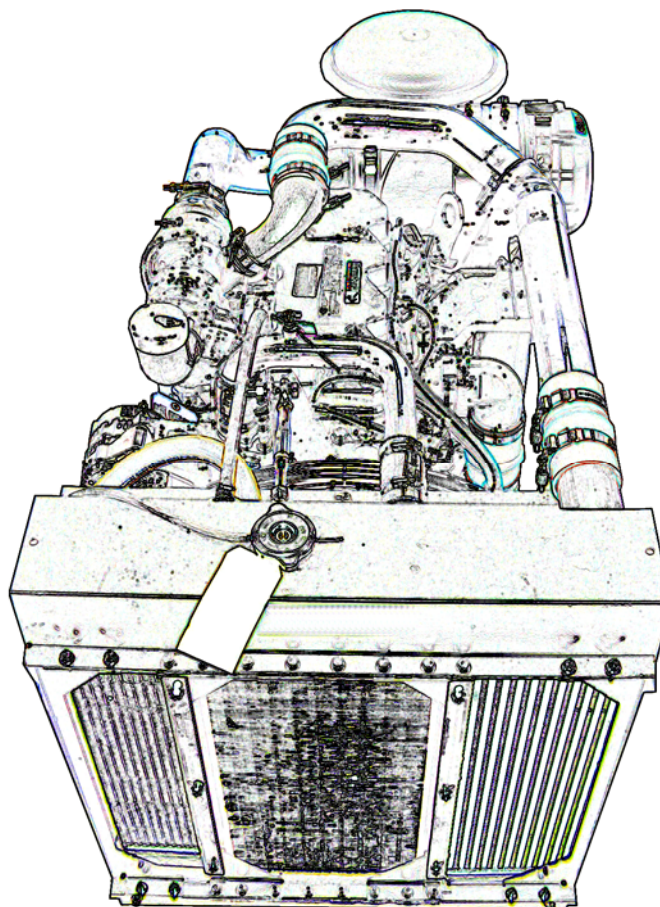
REVISION:



TRAILER MOUNTED PUMP MODEL *B50*
ILLUSTRATED PARTS MANUAL

B50
PARTS
GROUP 30
FIGURE 12
PAGE 01

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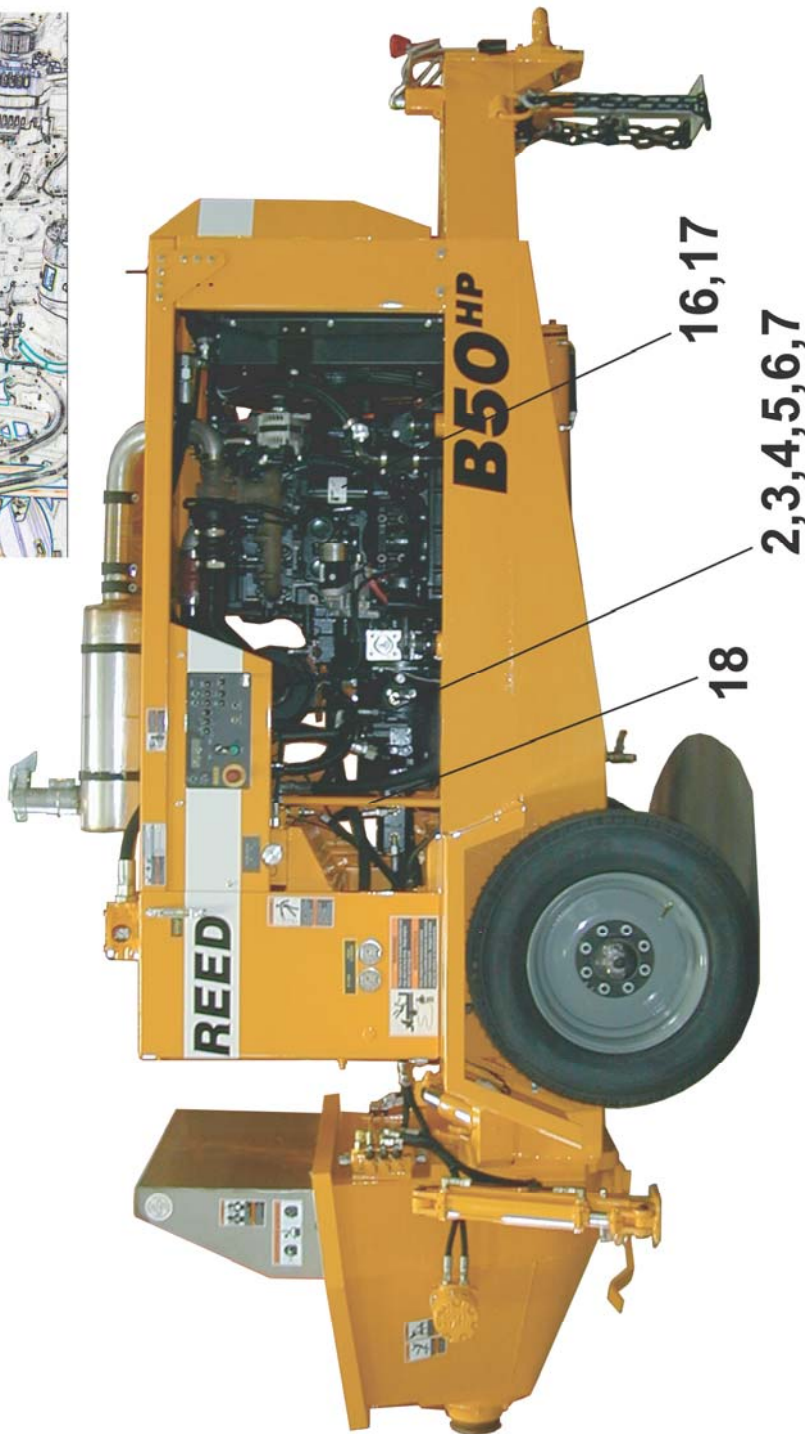
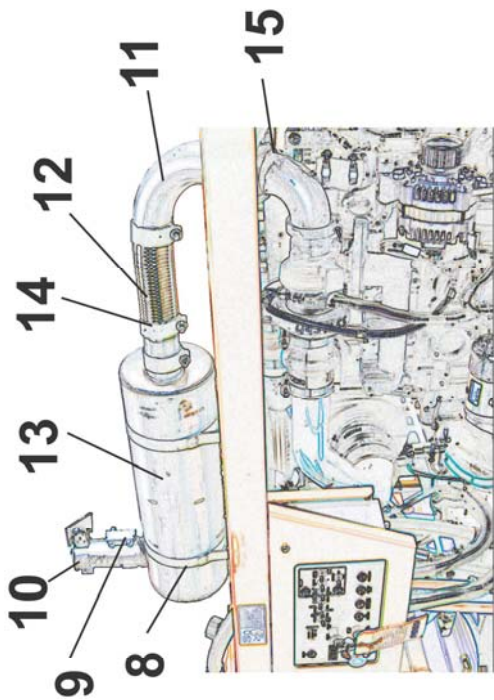
REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 40 POWER TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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

B50
PARTS
GROUP 40
FIGURE 01
PAGE 01



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	79803	• Clamp, T-Bolt-3.00 Dia	4
4	86911-009	• Stem, 2 1/2" 90 Deg-40GL-40FL90	2
5	86264-007	• Split Flange-Code 61-40 SAE	2
6	86265-003	• Split Flange-Code 62-20 SAE	1
7	86912-006	• Flange, FLH6K-MJ90-20-16	2
8	87199	• Band, Mounting-8.50 Dia	2
9	87198	• Clamp, Torctite-3.00 Dia	1
10	73475	• Cap, Rain-3.00 Dia	1
11	86648	• Elbow, Exhaust-3.00 Dia	1
12	87579	• Exhaust Flex Tube-3.00 Dia x 12" Long	1
13	87792	• Muffler, B-Series Cummins	1
14	87578	• Clamp, Exhaust-Bent Bolt-3.00 Dia	3
15	77258	• Clamp, Exhaust-3.00 Dia	1
16	87802	• Assembly, Engine (4-Cylinder Diesel Engine) (See Vendor Section, Figure 01 for REF)	1
17	87793	• Mount, Fuel Filter	1
18	85426	• Tube, Hydraulic Cylinders	2
19	85428	• Tube, Hydraulic-Shift Cylinders	1
20	85429	• Tube, Hydraulic-Shift Cylinder	1
-21	87797	• Hose Kit-B50/B70 Kawasaki/Cummins	1
-22	78608	• Minicheck Hose-48"	1
-23	75456	• Clamp, Tube-Single-1 1/2"	1
-24	800849	• Clamp, Tube-Dual 5/8"	1
-25	73269	• Strap, Ground	1
-26	87541	• Relay, Starter	1
-27	72862	• Gauge, Prox. Sensor Setting	1
-28	87734	• Wiring Harness-Engine	1
-29	40-05	• Assembly, Battery Mounting (See Figure 05 for DET)	1
DASH (-) ITEM NOT ILLUSTRATED			



POWER TRAIN INSTALLATION

B50
PARTS
GROUP 40
FIGURE 01
PAGE 03

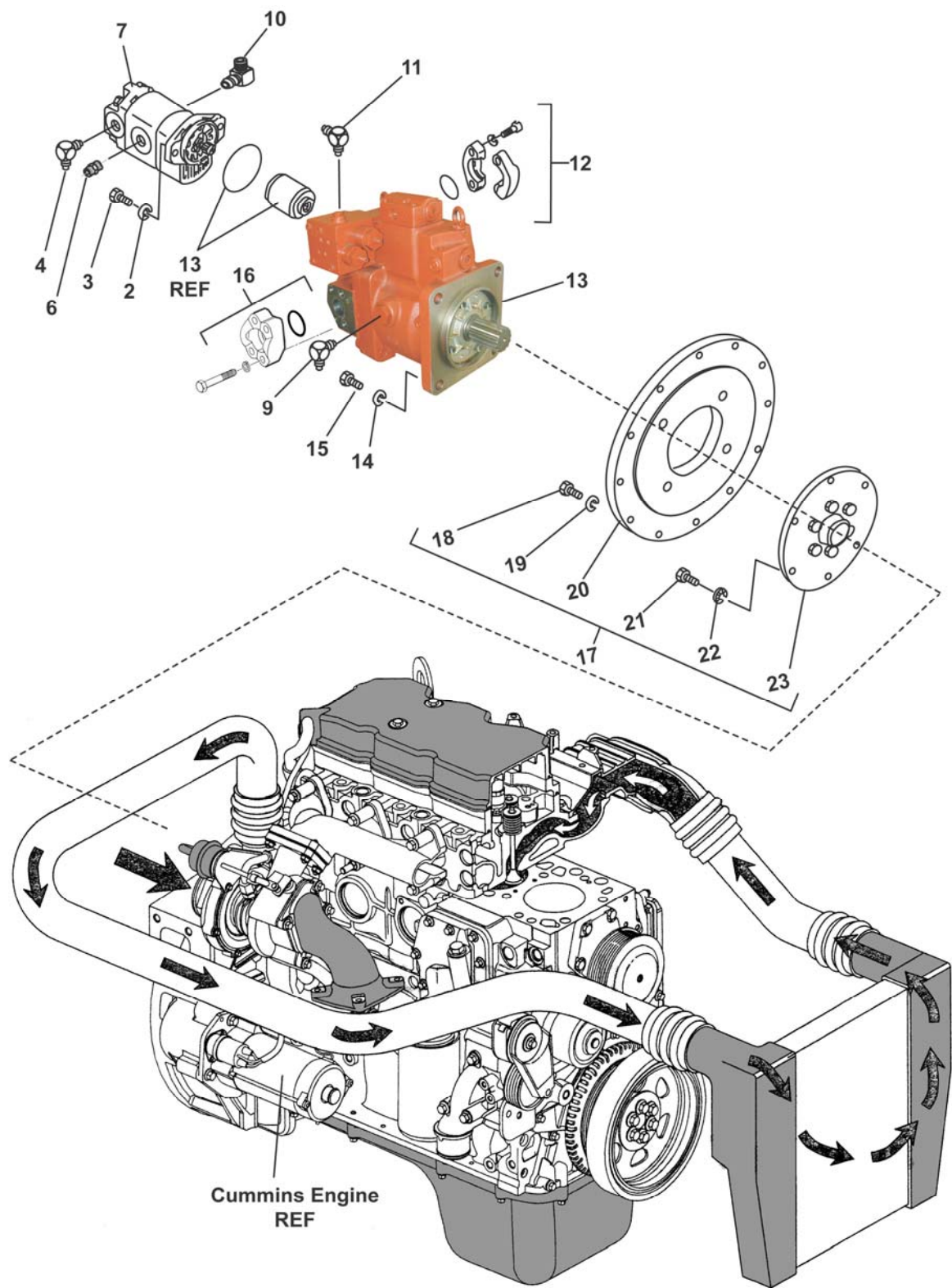


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ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	40-01	Installation, Power Train (See Group 10, Figure 01, 02, 03 and 04 for NHA)	Ref
2	40-02	• Assembly, Main and Auxiliary Pumps (See Group 40, Figure 02 for DET)	1
3	79803	• Clamp, T-Bolt-3.00 Dia	4
4	86911-009	• Stem, 2 1/2" 90 Deg-40GL-40FL90	2
5	86264-007	• Split Flange-Code 61-40 SAE	2
6	86265-003	• Split Flange-Code 62-20 SAE	1
7	86912-006	• Flange, FLH6K-MJ90-20-16	2
8	87199	• Band, Mounting-8.50 Dia	2
9	87198	• Clamp, Torctite-3.00 Dia	1
10	73475	• Cap, Rain-3.00 Dia	1
11	86648	• Elbow, Exhaust-3.00 Dia	1
12	87579	• Exhaust Flex Tube-3.00 Dia x 12" Long	1
13	87792	• Muffler, B-Series Cummins	1
14	87578	• Clamp, Exhaust-Bent Bolt-3.00 Dia	3
15	77258	• Clamp, Exhaust-3.00 Dia	1
16	87802	• Assembly, Engine (4-Cylinder Diesel Engine) (See Vendor Section, Figure 01 for REF)	1
17	87793	• Mount, Fuel Filter	1
18	85426	• Tube, Hydraulic Cylinders	2
19	85428	• Tube, Hydraulic-Shift Cylinders	1
20	85429	• Tube, Hydraulic-Shift Cylinder	1
-21	87797	• Hose Kit-B50/B70 Kawasaki/Cummins	1
-22	78608	• Minicheck Hose-48"	1
-23	75456	• Clamp, Tube-Single-1 1/2"	1
-24	800849	• Clamp, Tube-Dual 5/8"	1
-25	73269	• Strap, Ground	1
-26	87541	• Relay, Starter	1
-27	72862	• Gauge, Prox. Sensor Setting	1
-28	87734-1	• Wiring Harness-Engine	1
-29	40-05	• Assembly, Battery Mounting (See Figure 05 for DET)	1
DASH (-) ITEM NOT ILLUSTRATED			

HYDRAULIC PUMPS ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 02
PAGE 01



REVISION:

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	86728-04	• Fitting, 90 MB-MJ90-10-10	1
5	87571-1	• Assembly, Double Auxiliary Pump (See Group 40, Figure 04 for DET)	1
6	86900-017	• Fitting, Adaptor MB-MJ-10-10	1
7	86912-006	• Stem ML90-20-16	1
8	86911-009	• Stem ML90-40-40	1
9	NPN	• Fitting, Elbow MB-MJ90-12-10	1
10	86728-023	• Fitting, Elbow MB-MJ90-16-16	1
11	NPN	• Fitting, Elbow MB-MJ90-4-6	1
12	86264-007	• Kit, Split Flange-Code 61-40 SAE	1
13	87723	• Assembly, Main Pump (See Group 40, Figure 05 for DET) (Also See Vendor Section, Figure 02 for REF)	1
14		• Washer, Lock (attaching parts)	4
15		• Bolt, Hex (attaching parts)	4
16	86265-003	• Kit, Split Flange-Code 62-20 SAE	1
17	87360	• 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		• • Plate, Flywheel	1
		DASH (-) ITEM NOT ILLUSTRATED	

DOUBLE AUXILIARY PUMP ASSEMBLY

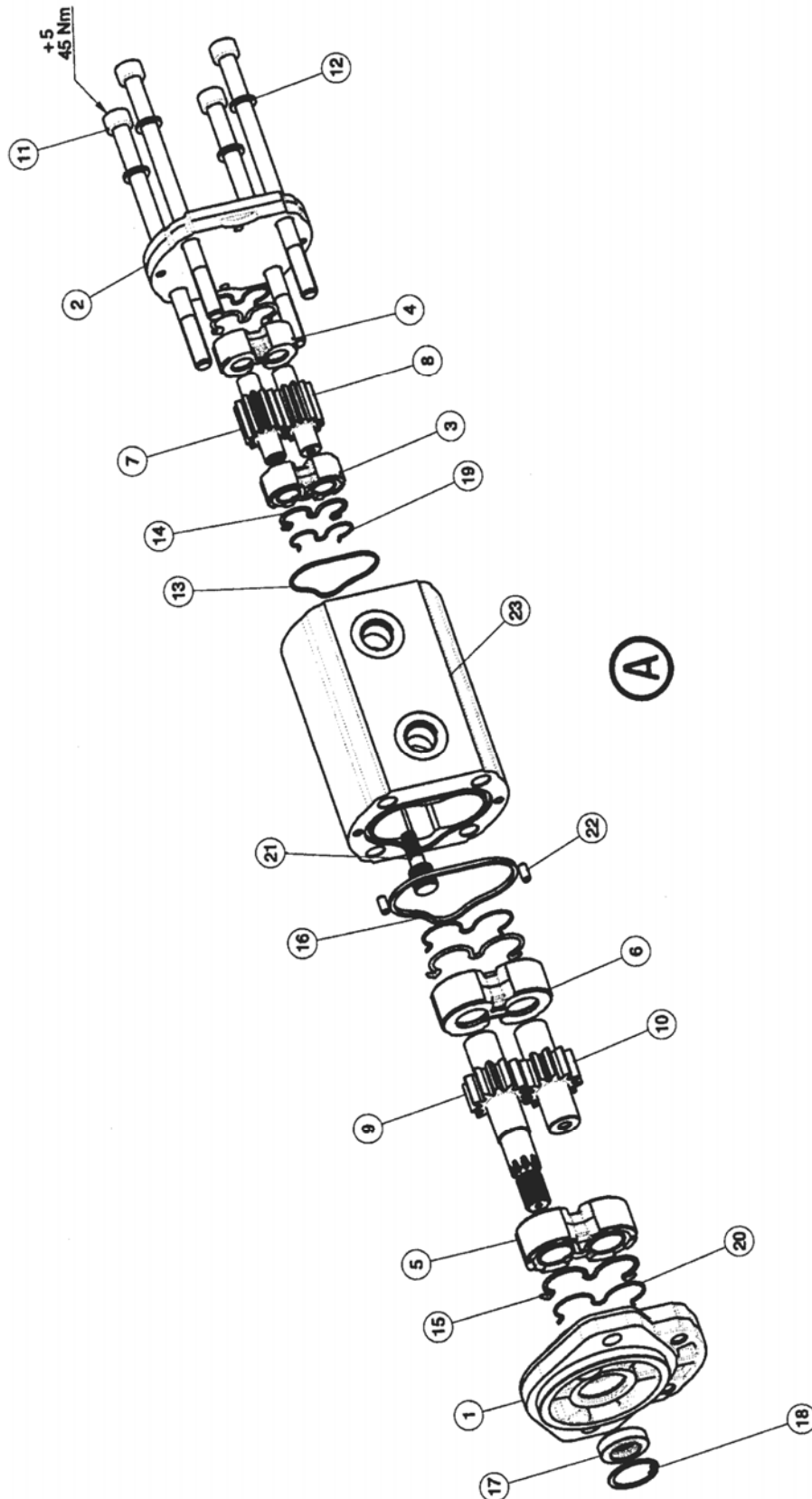
B50

PARTS

GROUP 40

FIGURE 03

PAGE 01



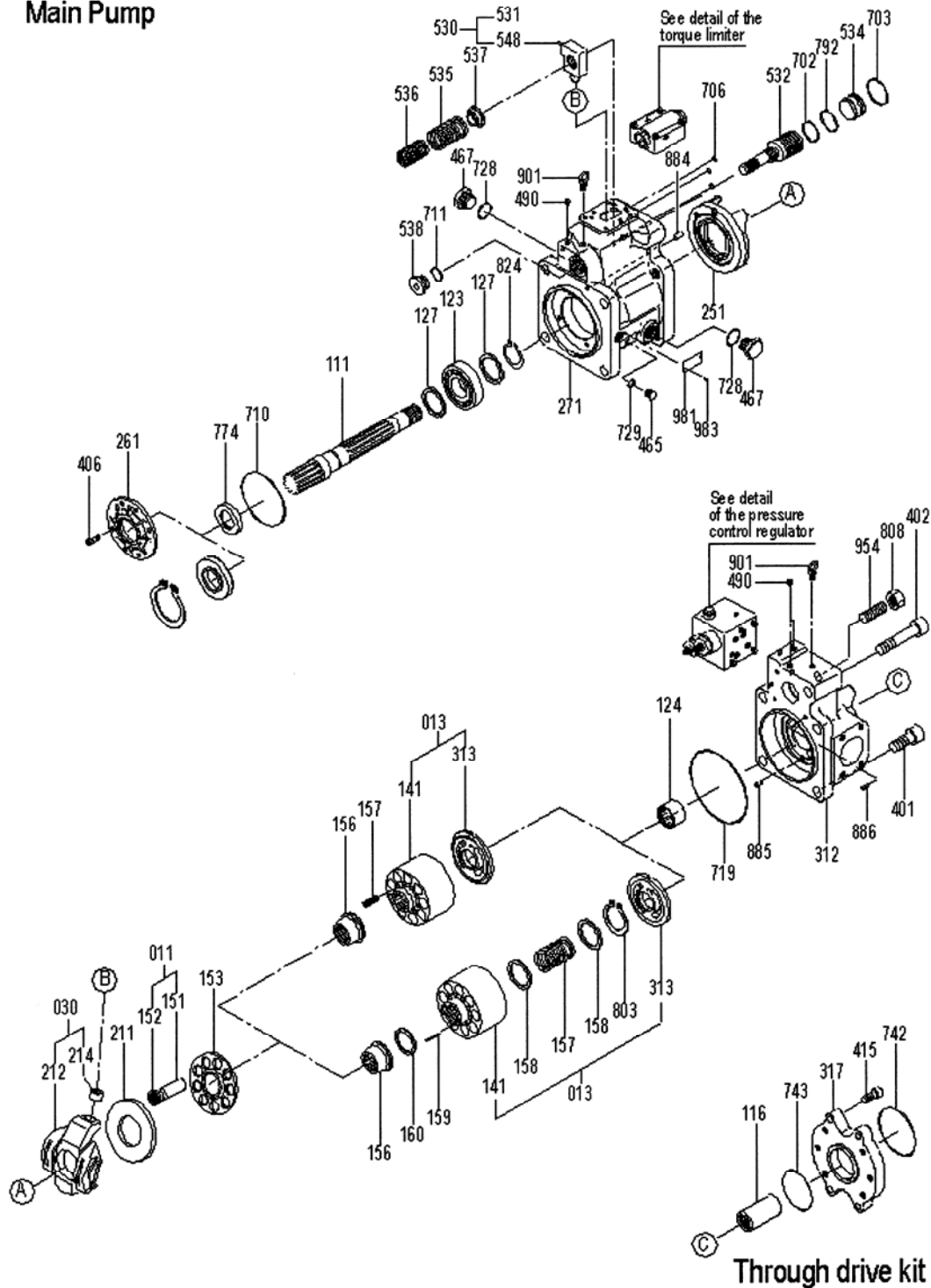
REVISION:

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
	87571-1	Assembly Double Auxiliary Pump (See Group 40, Figure 02 for NHA)	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		• Gear, 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
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:

Attached Drawing No.1 Exploded Drawing

Main Pump





KAWASAKI MODEL K3VL
MAIN PUMP ASSEMBLY

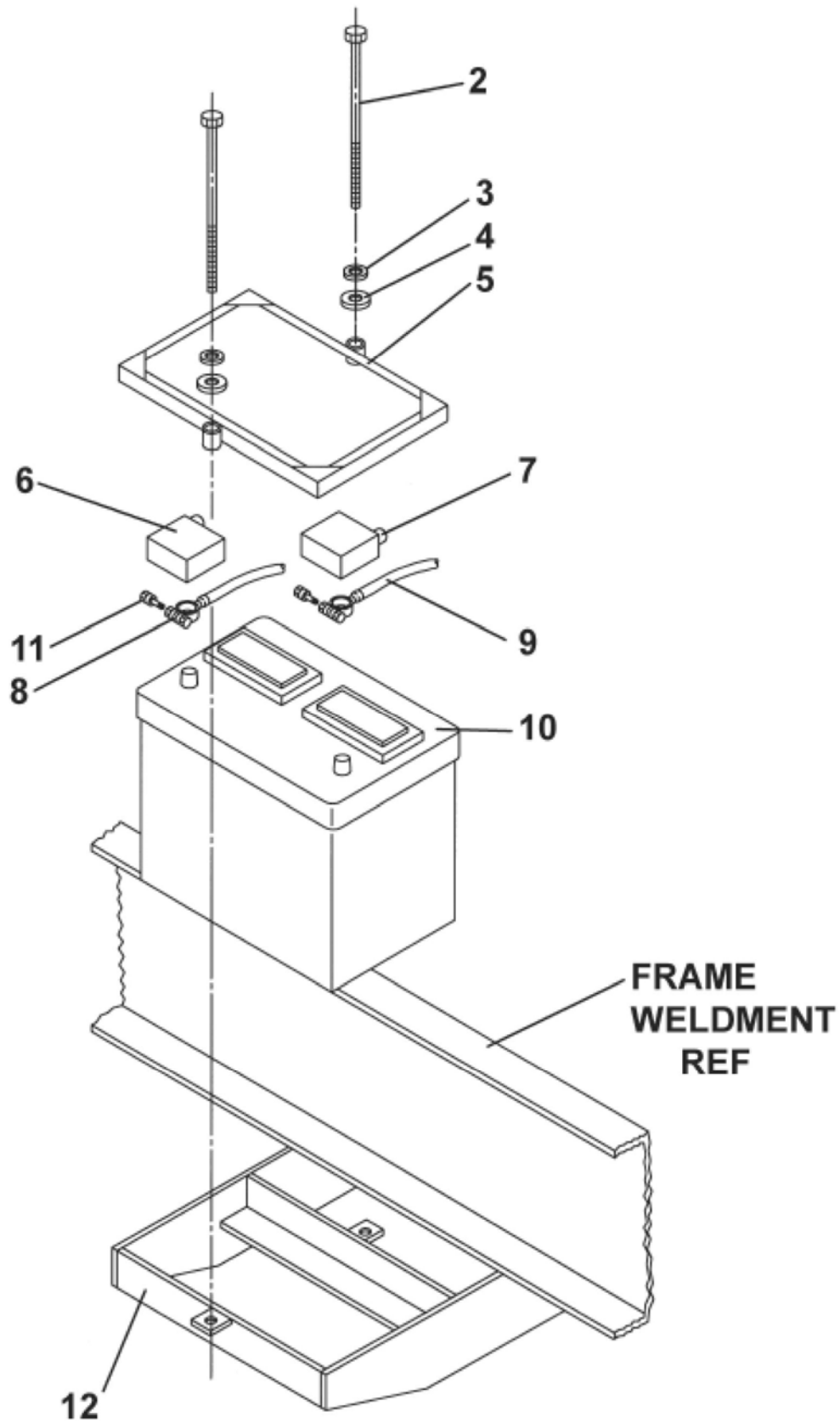
B50
PARTS
GROUP 40
FIGURE 04
PAGE 02

ITEM NO.	REED'S PART NO.	DESCRIPTION	QTY
1	PN 87723	1 2 3 4 5 • Assembly, Main Hydraulic Pump (See Vendor Section, Figure 02 for Complete Info)	Ref

REVISION:

BATTERY MOUNT ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 05
PAGE 01



REVISION:



BATTERY MOUNT ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 05
PAGE 02

ITEM NO.	REED'S PART 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 Dopwn	1
6	87221	• Insulator, Negative Battery (Red)	1
7	87222	• Insulator, Positive Battery (Black)	1
8	72014	• Cable, Negative Battery (Red)	1
9	75116	• Cable, Positive Battery (Black)	1
10	77075	• Battery, 12 VDC	1
11	87223	• Extender, Top Terminal Bolt	2
12	86240	• Weldment, Battery Box	1
-13	87541	• Relay, Starter	1
-14	87544	• Bracket, Starter Relay Mount	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



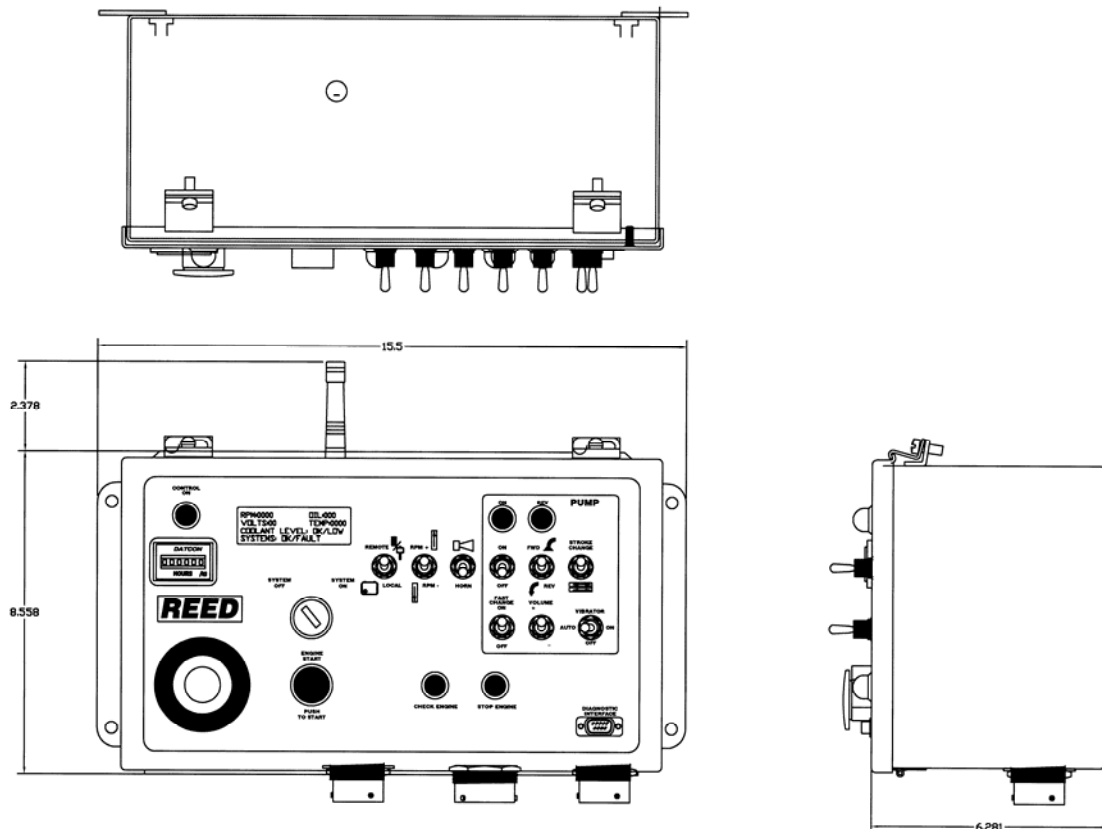
TRAILER MOUNTED PUMP MODEL *B50*
ILLUSTRATED PARTS MANUAL

B50
PARTS
GROUP 40
FIGURE 06
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 50 CONTROLS INSTALLATION CONTAINS THE FOLLOWING FIGURES:

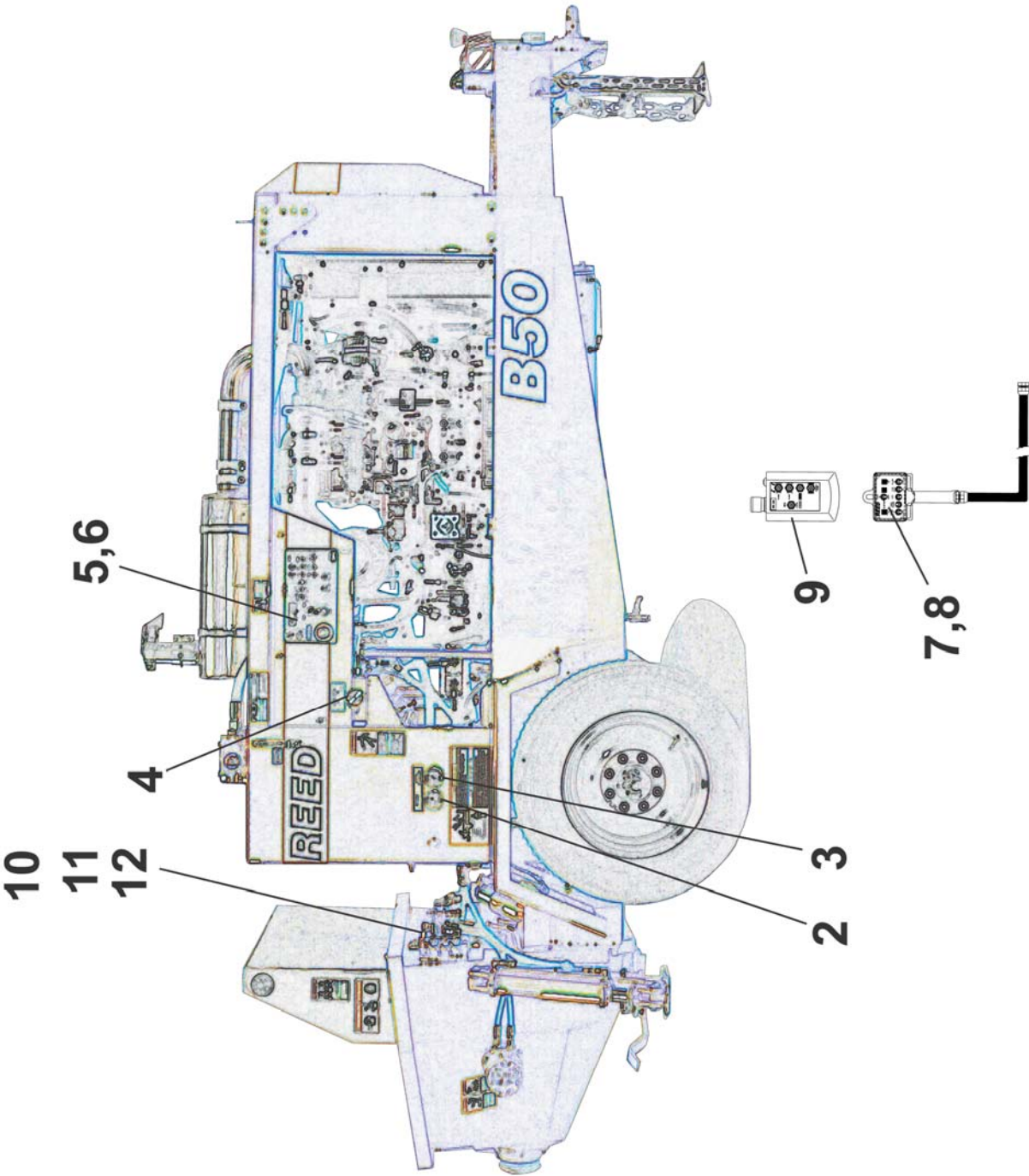
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** CONTROLS INSTALLATION
- FIGURE 02** CONTROL BOX ASSEMBLY
- FIGURE 03** 50 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 04** 100 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 05** RADIO REMOTE CONTROL ASSEMBLY





CONTROL INSTALLATION

B50
PARTS
GROUP 50
FIGURE 01
PAGE 01



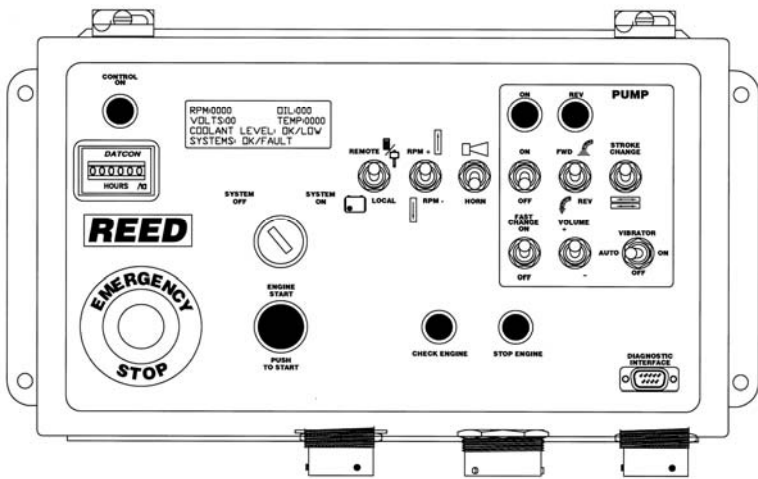
REVISION:

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	70366	• Gauge, 3,000 PSI Hydraulic (See Group 30, Figure 02 for REF)	1
3	74562	• Gauge, 6,000 PSI Hydraulic (See Group 30, Figure 02 for REF)	1
4	85697	• Cartridge, Flow Control Valve (See Group 30, Figure 07 for REF)	1
5	800347	• Horn, 12 V	1
6	87346-2	• Assembly, Control Box (See Group 50, Figure 02 for DET)	1
7	87347-1	• Assembly, 50 Feet Cable Remote Control (See Group 50, Figure 03 for DET)	1
8	NPN	• Assembly, 100 Feet Cable Remote Control (See Group 50, Figure 04 for DET)	1
9	87348-1	• Assembly, Radio Remote Control (Optional Item) (See Group 50, Figure 05 for DET)	1
10	20-09	• Assembly, 3 Spool Control Valve (Optional Item) (See Group 20, Figure 08 for REF)	1
11	80-16	• Assembly, 1 Spool Control Valve (Optional Item) (See Group 80, Figure 16 for REF)	1
12	80-18	• Assembly, 2 Spool Control Valve (Optional Item) (See Group 80, Figure 18 for REF)	1
		DASH (-) ITEM NOT ILLUSTRATED	



CONTROL BOX ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 02
PAGE 01



CONTROL BOX WITH COVER REMOVED

VOLUME CONTROL

MAIN HYDRAULIC PUMP



CONTROL BOX ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 02
PAGE 02

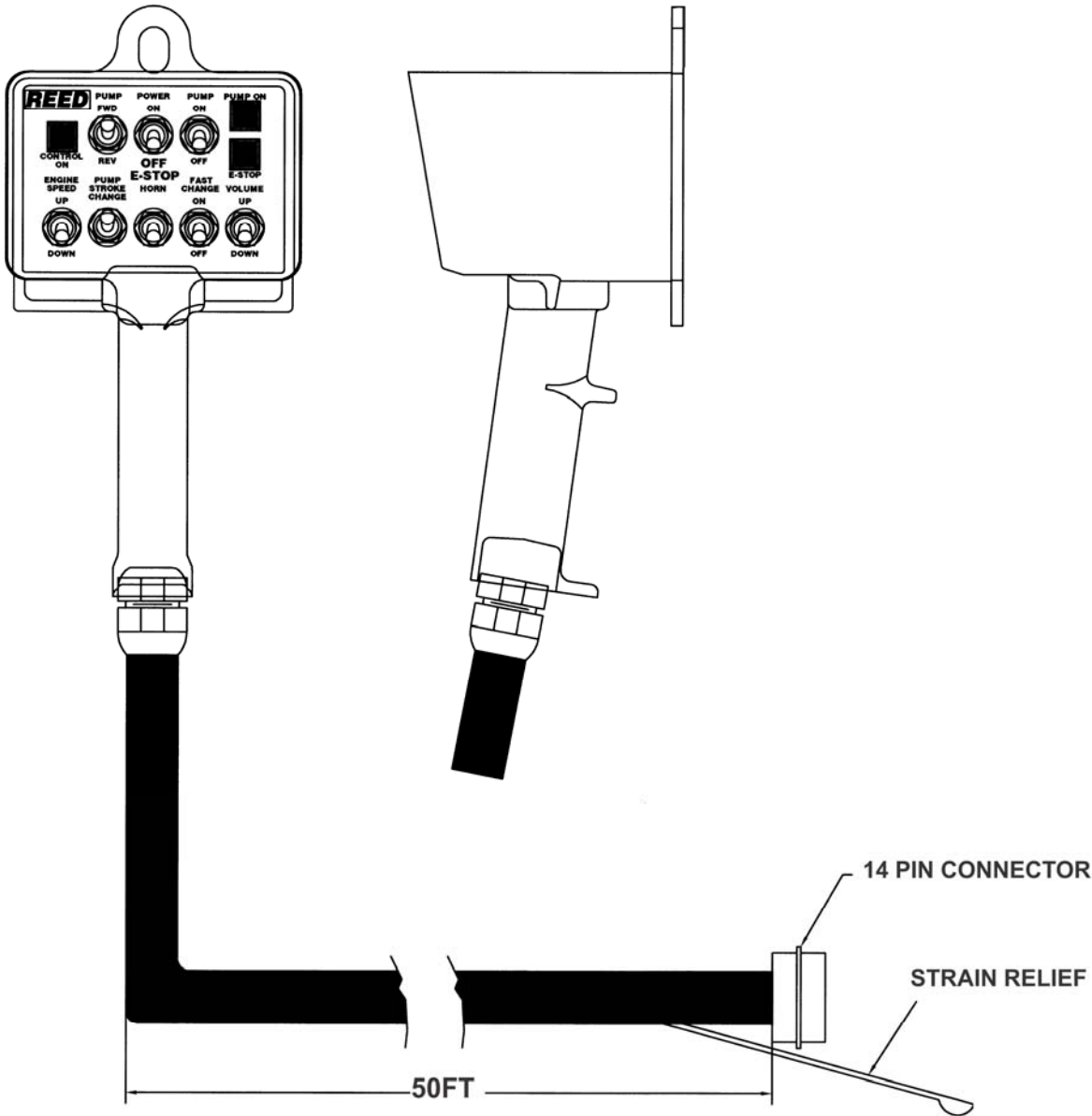
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	87346-2	Assembly, Control Box (See Group 50, Figure 01 for NHA)	Ref
2		•	
3		•	
4		•	
5		•	
6		•	
7		•	
8		•	
9		•	
10		•	
11		•	
12	800447	• Fuse, 25A	3
13	800449	• Fuse, 10A	3
14	90391	• Fuse, 15A	1
15	800448	• Fuse, 20A	1
16		•	
17		•	
18		•	
19		•	
20		•	

REVISION:



50 FEET CABLE
REMOTE CONTROL ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 03
PAGE 01





**50 FEET CABLE
REMOTE CONTROL ASSEMBLY**

B50
PARTS
GROUP 50
FIGURE 03
PAGE 02

ITEM NO.	REED'S PART NO.	DESCRIPTION	QTY
-1	87347-1	1 2 3 4 5 Assembly, 50 Feet Cable Remote Control (See Group 50, Figure 01 for NHA)	Ref
2		•	
3		•	
4		•	
5		•	
6		•	
7		•	
8		•	
9		•	
10		•	
11		•	
12		•	

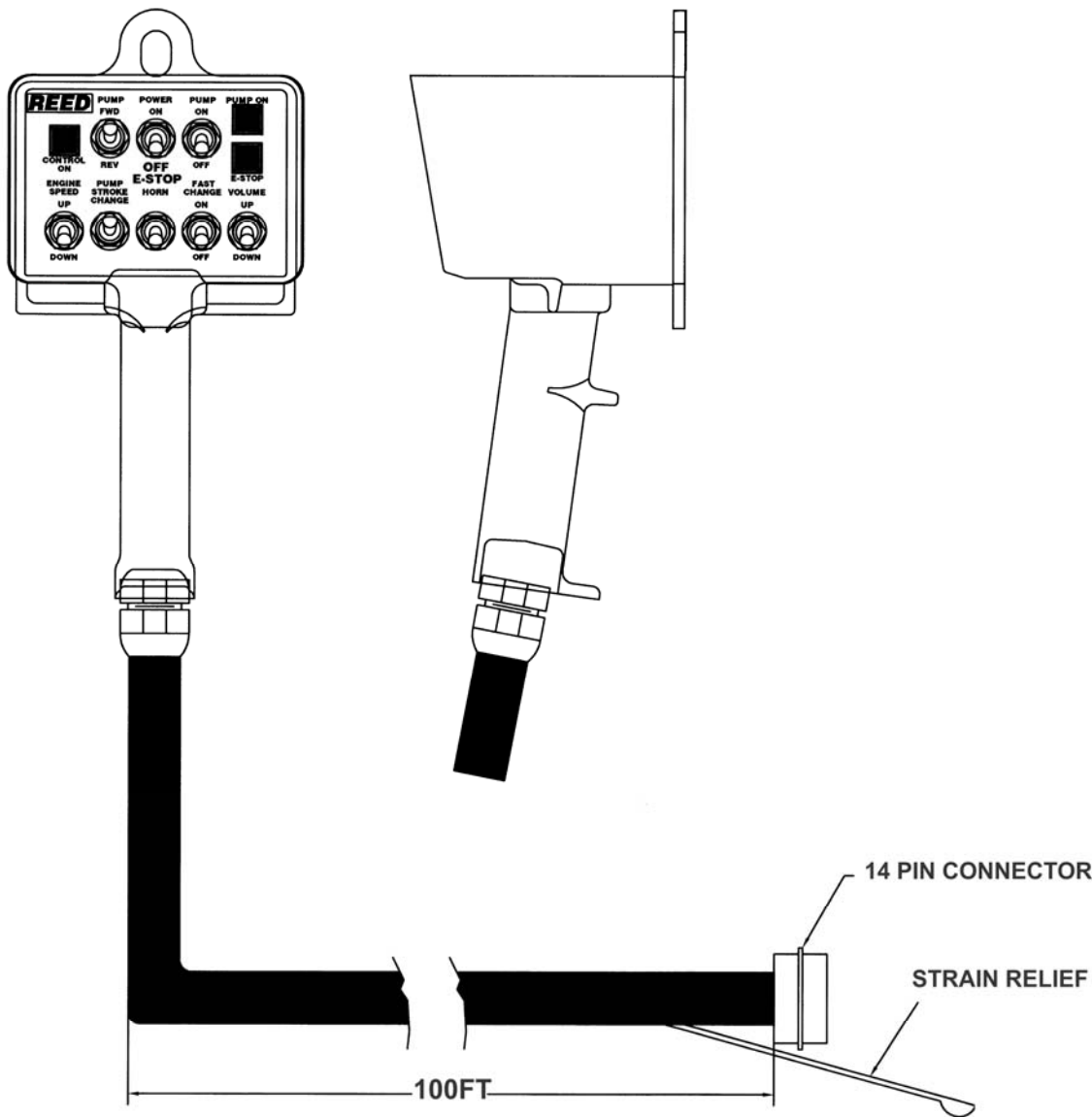
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



100 FEET CABLE
REMOTE CONTROL ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 04
PAGE 01





**100 FEET CABLE
REMOTE CONTROL ASSEMBLY**

B50
PARTS
GROUP 50
FIGURE 04
PAGE 02

ITEM NO.	REED'S PART NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	NPN	Assembly, 100 Feet Cable Remote Control (See Group 50, Figure 01 for NHA)					Ref
2		•					
3		•					
4		•					
5		•					
6		•					
7		•					
8		•					
9		•					
10		•					
11		•					
12		•					

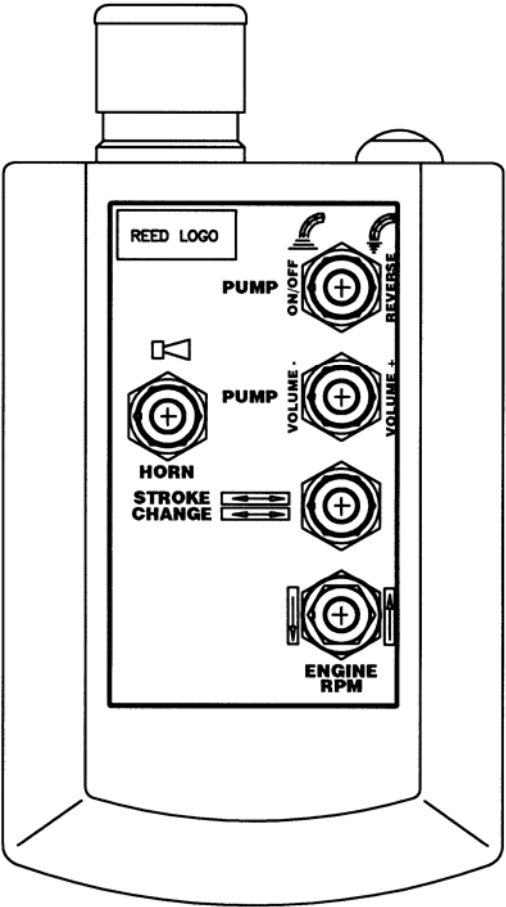
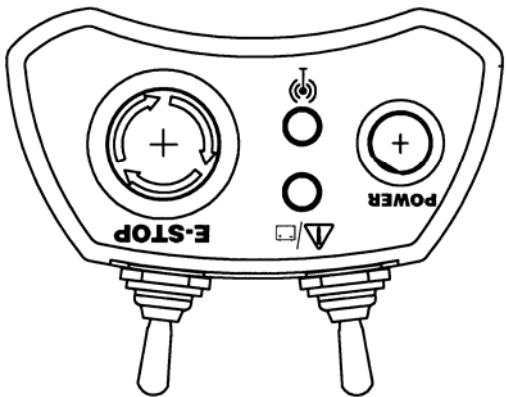
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



OPTIONAL RADIO
REMOTE CONTROL ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 05
PAGE 01





OPTIONAL RADIO
REMOTE CONTROL ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 05
PAGE 02

ITEM NO.	REED'S PART NO.	DESCRIPTION	QTY
-1	87348-1	1 2 3 4 5 Assembly, Transmitter, Remote Control (See Group 50, Figure 01 for NHA)	Ref
2		•	
3		•	
4		•	
5		•	
6		•	
7		•	
8		•	
9		•	
10		•	
11		•	
12		•	

DASH (-) ITEM NOT ILLUSTRATED

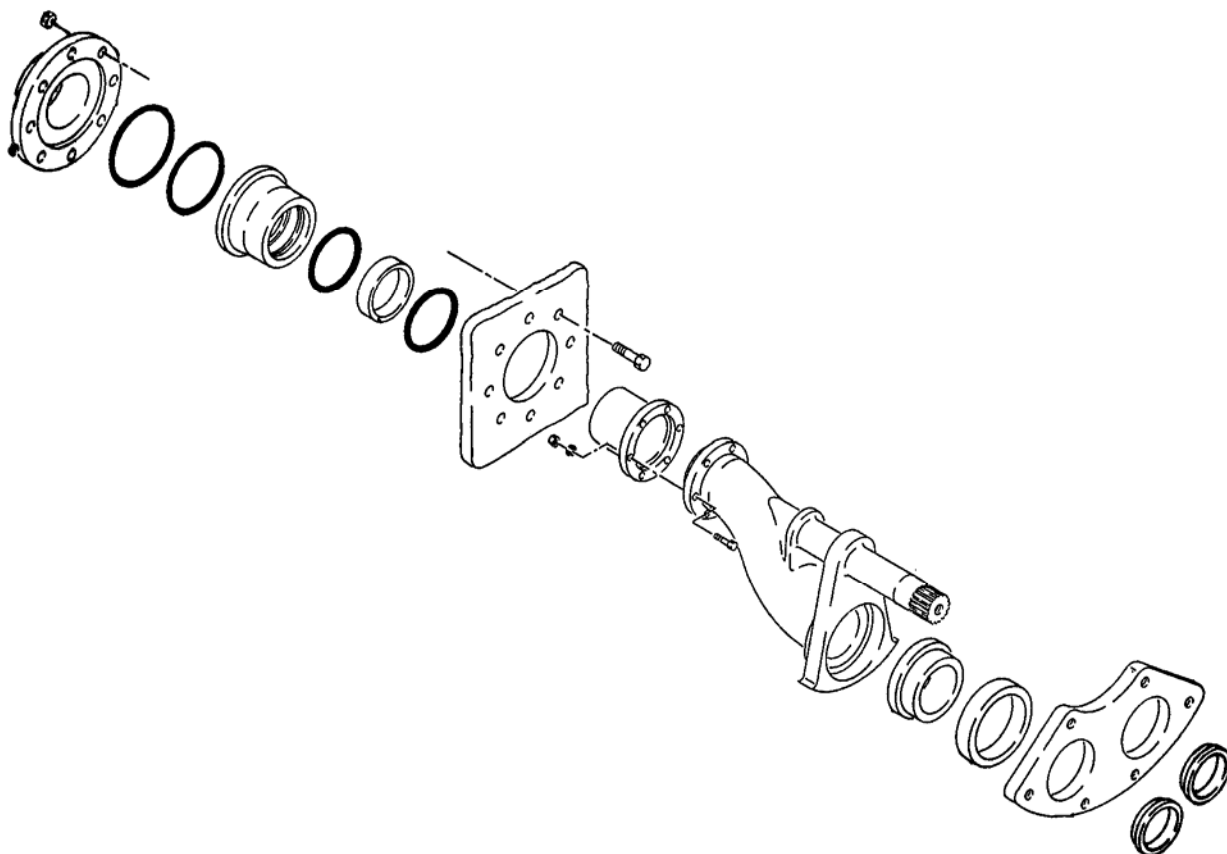
REVISION:



**TRAILER MOUNTED PUMP MODEL *B50*
ILLUSTRATED PARTS MANUAL**

B50
PARTS
GROUP 50
FIGURE 06
PAGE 01

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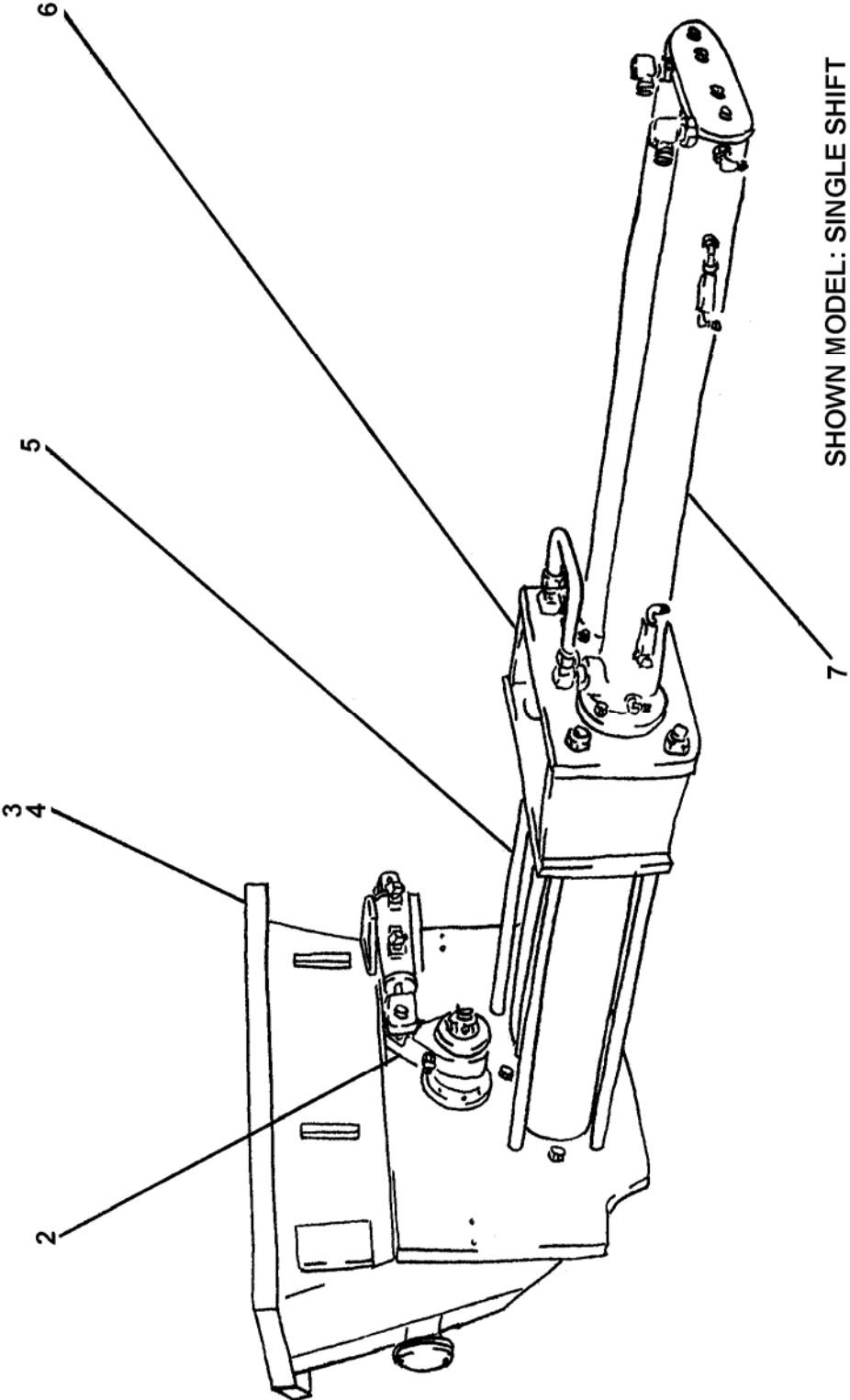
REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 60 PUMPING TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- | | |
|------------------|--|
| FIGURE 00 | TABLE OF CONTENTS |
| FIGURE 01 | SINGLE SHIFT PUMPING TRAIN INSTALLATION |
| FIGURE 02 | DUAL SHIFT PUMPING TRAIN INSTALLATION |
| FIGURE 03 | SINGLE SHIFT SWING VALVE ASSEMBLY |
| FIGURE 04 | DUAL SHIFT SWING VALVE ASSEMBLY |
| FIGURE 05 | SINGLE SHIFT SWING RAM CYLINDER SUB-ASSEMBLY |
| FIGURE 06 | DUAL SHIFT SWING RAM CYLINDER SUB-ASSEMBLY |
| FIGURE 07 | MATERIAL CYLINDER ASSEMBLY |
| FIGURE 08 | FLUSHBOX ASSEMBLY |
| FIGURE 09 | HYDRAULIC DRIVE CYLINDER ASSEMBLY |
| FIGURE 10 | HYDRAULIC DRIVE CYLINDER SUB-ASSEMBLY |



SINGLE SHIFT
PUMPING TRAIN INSTALLATION

B50
PARTS
GROUP 60
FIGURE 01
PAGE 01



SHOWN MODEL: SINGLE SHIFT
STANDARD HOPPER UNIT



SINGLE SHIFT PUMPING TRAIN INSTALLATION

B50
PARTS
GROUP 60
FIGURE 01
PAGE 02

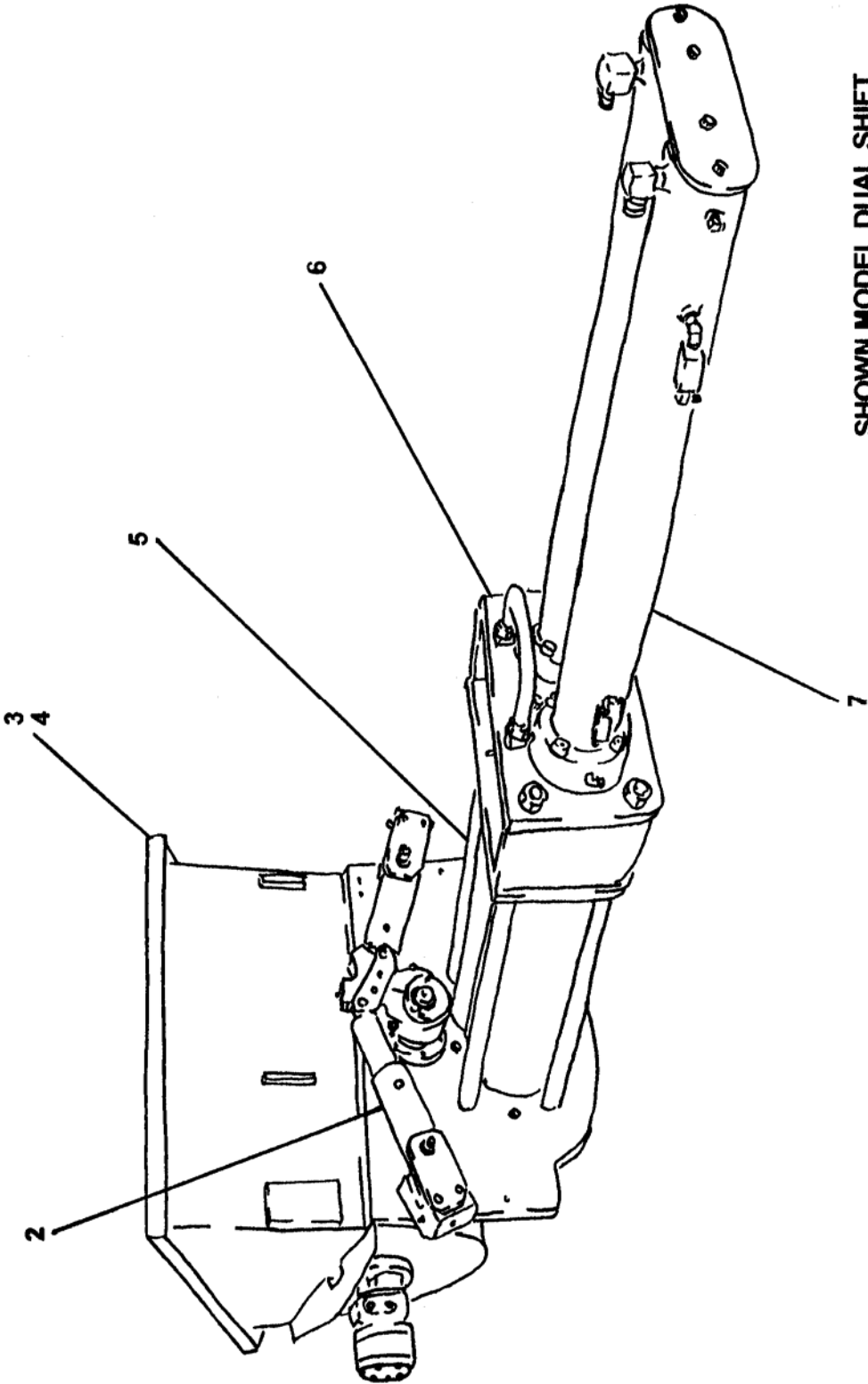
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-01	Installation, Single Shift Pumping Train (See Group 10, Figure 01 and Figure 03 for NHA)	Ref
2	60-02	• Assembly, Single Shift Swing Valve (See Group 60, Figure 02 for DET)	1
3	20-01	• Installation, Standard Hopper (See Group 20, Figure 01 for REF)	Ref
4	20-02	• Installation, Harsh Mix Hopper (See Group 20, Figure 02 for REF)	Ref
5	86309	• Assembly, Material Cylinder (See Group 60, Figure 07 for DET)	1
6	60-08	• Assembly, Flushbox (See Group 60, Figure 08 for DET)	1
7	86304	• Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 06 for DET)	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



DUAL SHIFT
PUMPING TRAIN INSTALLATION

B50
PARTS
GROUP 60
FIGURE 02
PAGE 01



SHOWN MODEL DUAL SHIFT
HARSH MIX HOPPER UNIT



DUAL SHIFT PUMPING TRAIN INSTALLATION

B50
PARTS
GROUP 60
FIGURE 02
PAGE 02

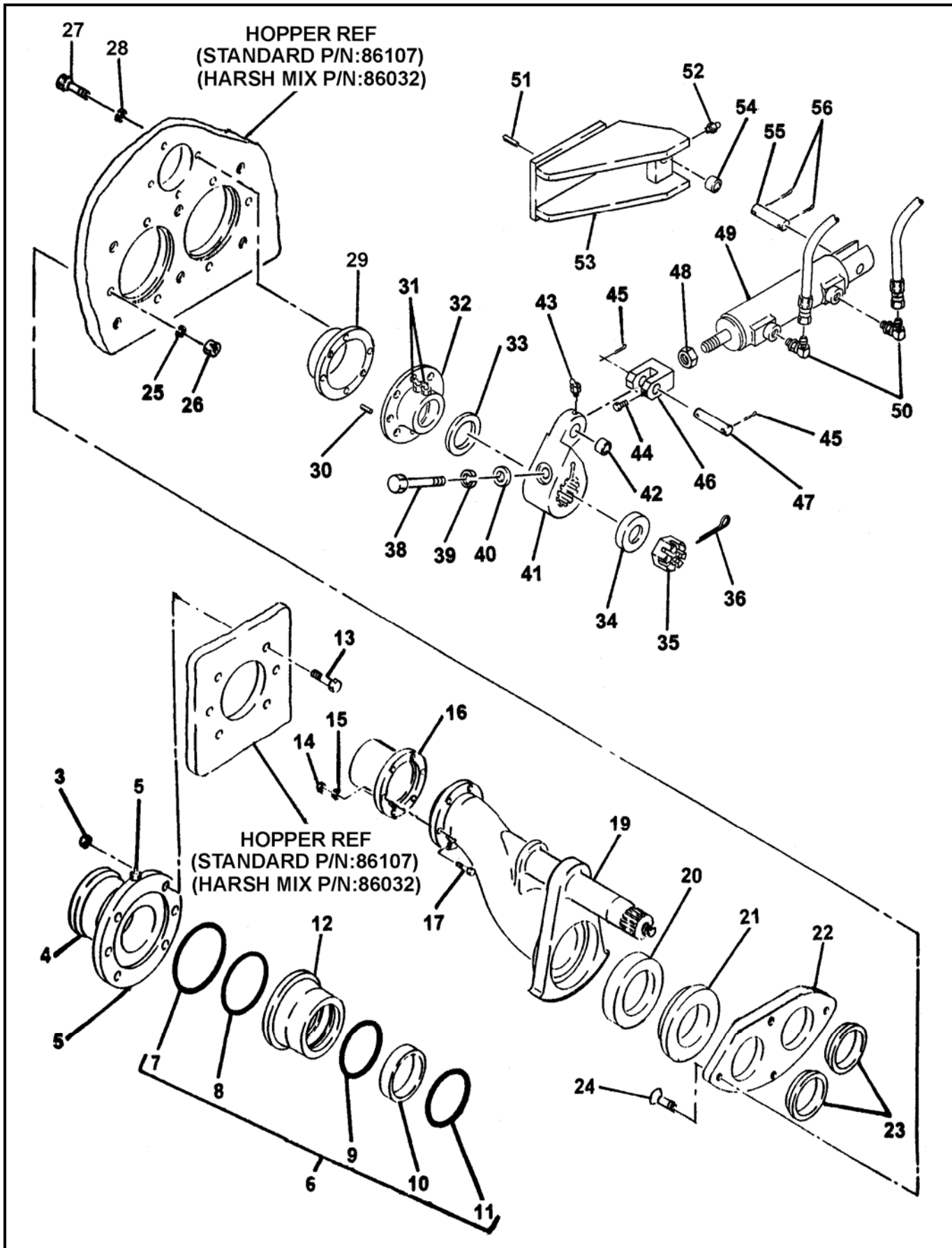
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-02	Installation, Dual Shift Pumping Train (See Group 10, Figure 01 and Figure 03 for NHA)	Ref
2	60-04	• Assembly, Dual Shift Swing Valve (See Group 60, Figure 02 for DET)	1
3	20-01	• Installation, Standard Hopper (See Group 20, Figure 01 for REF)	Ref
4	20-02	• Installation, Harsh Mix Hopper (See Group 20, Figure 02 for REF)	Ref
5	86309	• Assembly, Material Cylinder (See Group 60, Figure 07 for DET)	1
6	60-08	• Assembly, Flushbox (See Group 60, Figure 08 for DET)	1
7	86304	• Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 06 for DET)	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:

SINGLE SHIFT SWING VALVE ASSEMBLY

B50
PARTS

GROUP 60
FIGURE 03
PAGE 01



REVISION:

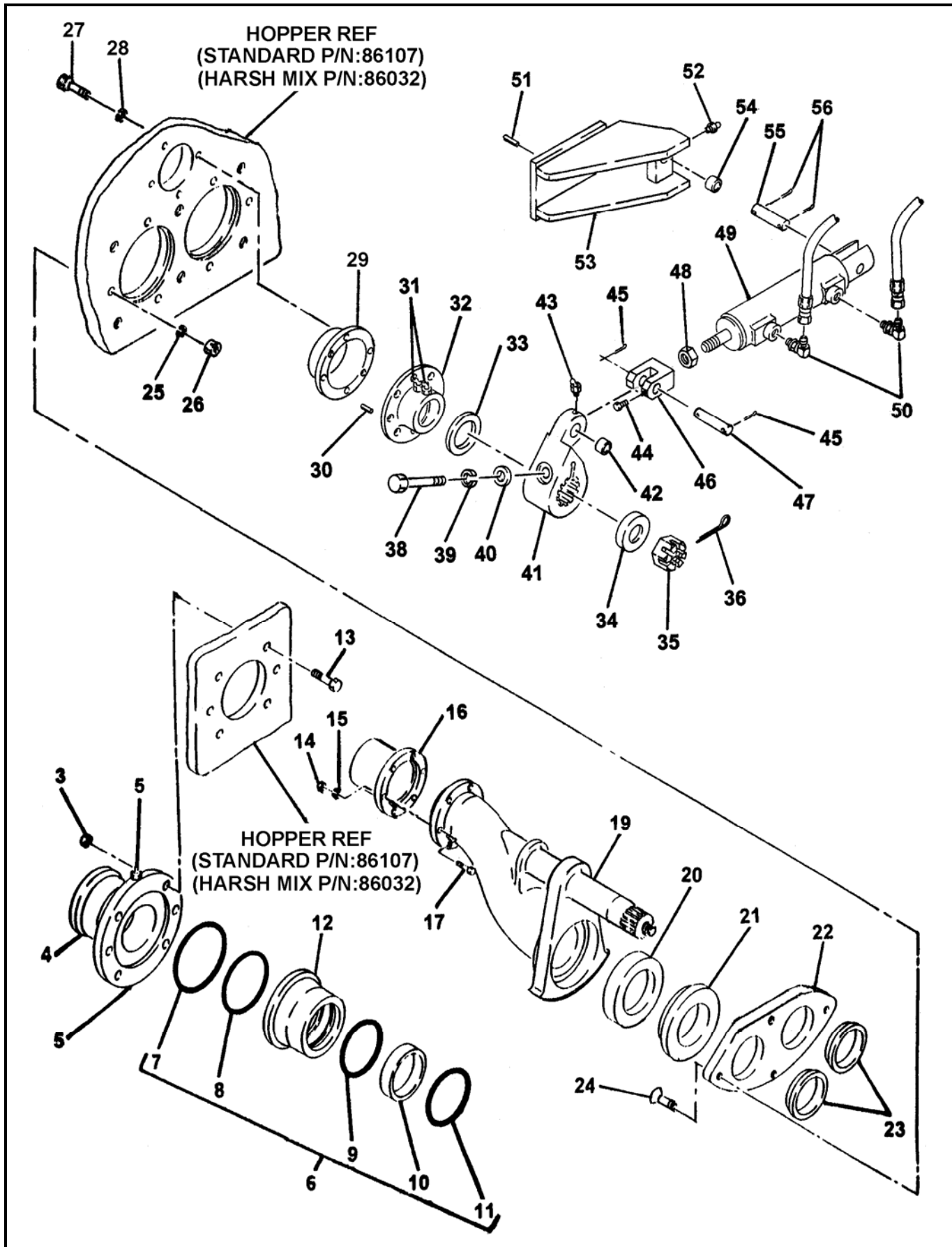
SINGLE SHIFT SWING VALVE ASSEMBLY

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-03	Assembly, Single Shift Swing Valve (See Group 60, Figure 01 for NHA)	Ref
-2	86321	• Assembly, Outlet Group	1
3		• • Nut	6
4	72482	• • Outlet, Machine 5"	1
5		• • Fitting, Grease	2
6	79895	• • Kit, Outlet Seal	1
7	77761	• • • O-Ring, Large	1
8	77762	• • • O-Ring, Small	1
9	86504	• • • Seal, Modified Outlet Thick	1
10	77763	• • • Band, Guide	1
11	77765	• • • Seal, Outlet Thick	1
12	72309	• • Housing, Outlet Seal	1
13		• • Bolt, Hex	6
14		• • Nut, Nylock (attaching parts)	6
15		• • Washer, Lock (attaching parts)	6
16	70042	• • Outlet, Chromed	1
17		• • Bolt, Hex (attaching parts)	6
-18	86317	• Assembly, Swing Tube Group	1
19	85965	• • Weldment, Harsh Swing Tube	1
20	86085	• • Seal, 6 Inch Single Lip	1
21	72310	• • Ring, 6 Inch Single Lip Wear	1
22	86031	• • Plate, Wear	1
23	86086	• • Ring, Anti Chip	2
24		• • Bolt, Flat Head	4
25		• • Washer, Lock	4
26		• • Nut, Hex	4
27		• • Bolt, Hex	6
28		• • Washer, Lock	6
29	85962	• • Seal, Flange Bearing	1
30		• • Pin, Dowel	1
31		• • Fitting, Grease 90	2
32	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	86319	• Assembly, Swing Tube Single Shift Group	1
38		• • Bolt, Hex	1
39		• • Washer, Flat	1
40		• • Washer, Lock	1
41	85131	• • Crank, 3 Inch Single Splined Bell	1

SINGLE SHIFT SWING VALVE ASSEMBLY

B50
PARTS

GROUP 60
FIGURE 03
PAGE 03

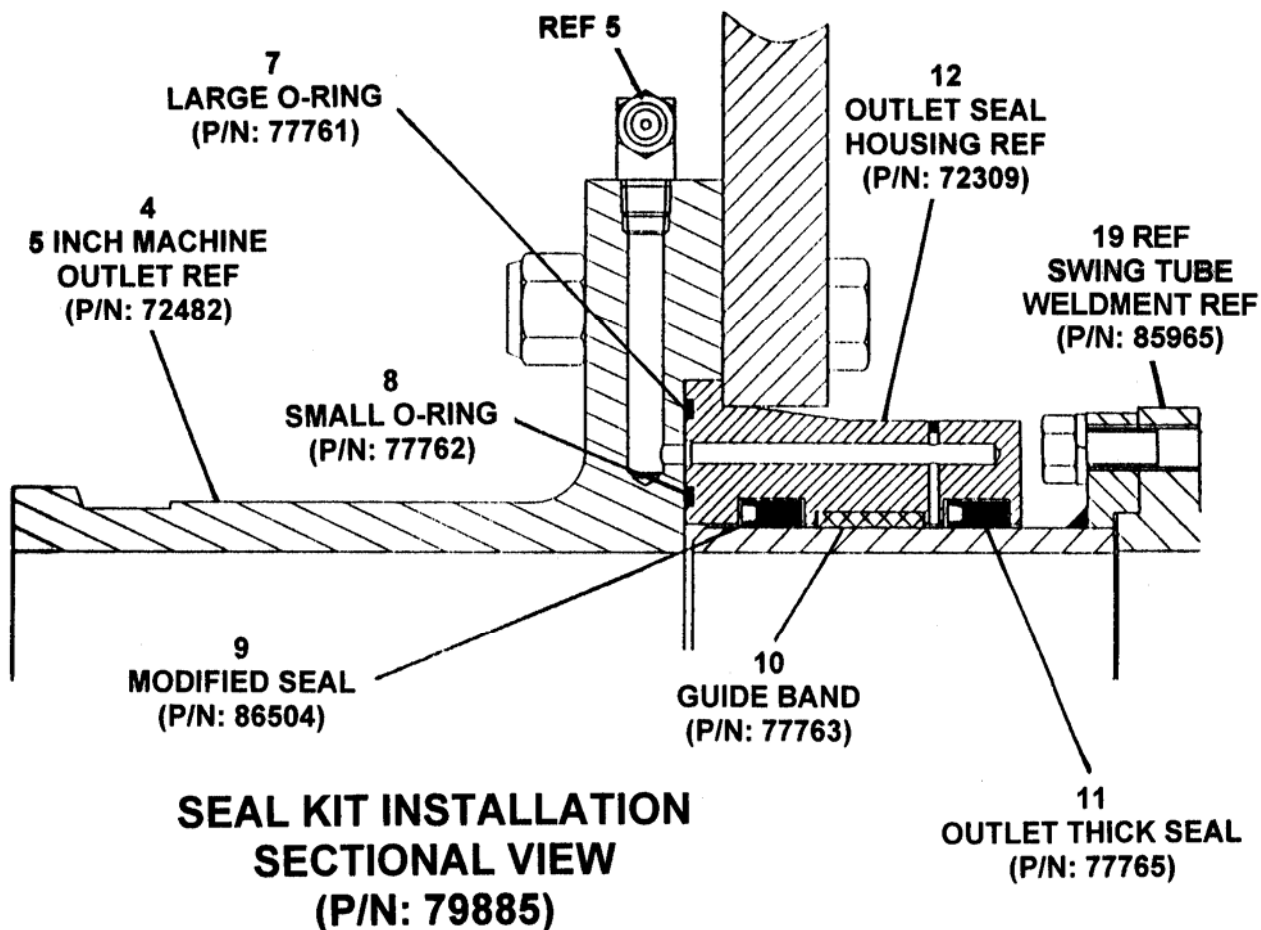


REVISION:

SINGLE SHIFT SWING VALVE ASSEMBLY

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
42	85538	• • • Race, Inner	1
43		• • Fitting, Grease 90	1
44		• • Bolt, Hex	1
45		• • Pin, Cotter	2
46	86135	• • Clevis, Swing Ram Cylinder	1
47	86150	• • Pin, Clevis	1
48		• • Nut, Hex	1
49	86221	• • Assembly, Single Shift Swing Ram Cylinder (See Group 60, Figure 05 for DET)	1
50		• • Fitting, 90	2
51	86052	• • Pin, Spring	2
52		• • Fitting, Grease STR	1
53	85947	• • Bracket, Single Shift Swing Cylinder	1
54	71011	• • • Bushing, Shift Cylinder	1
55	74207	• • Pin, Clevis	1
56		• • Pin, Cotter	2

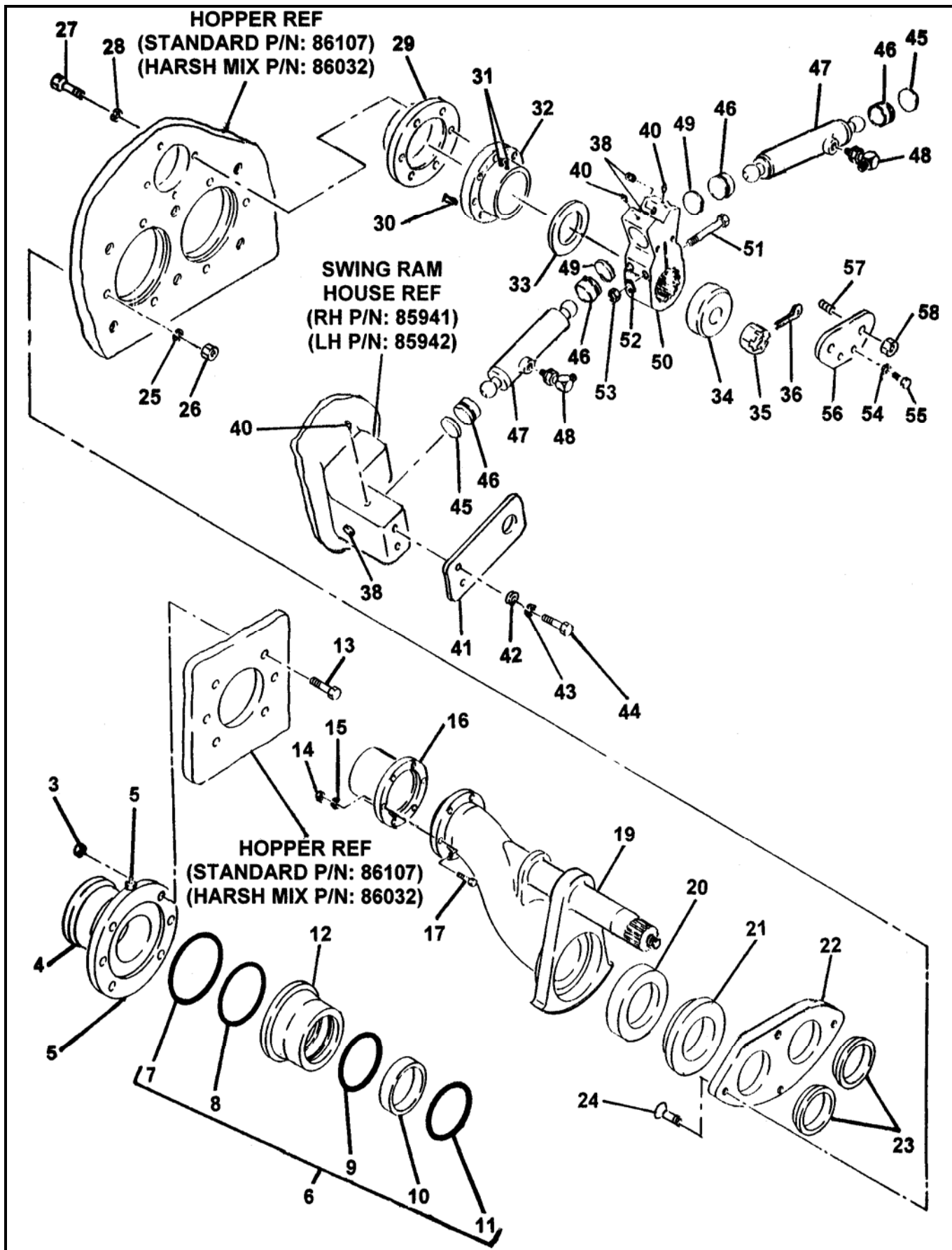
DASH (-) ITEM NOT ILLUSTRATED



DUAL SHIFT SWING VALVE ASSEMBLY

**B50
PARTS**

GROUP 60
FIGURE 04
PAGE 01



REVISION:

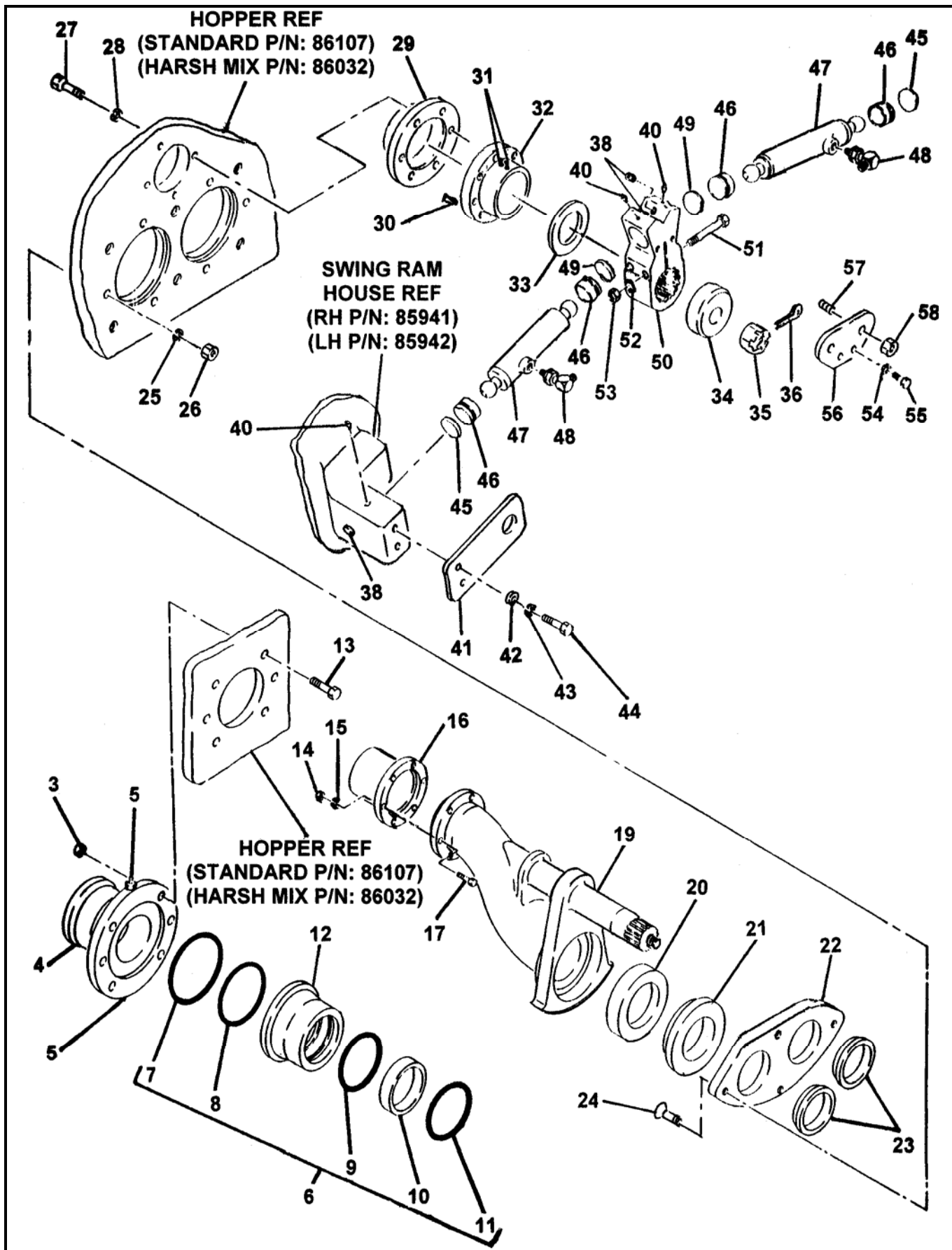
**DUAL SHIFT
SWING VALVE ASSEMBLY**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-04	Assembly, Dual Shift Swing Valve (See Group 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	86085	• • Seal, 6 Inch Single Lip	1
21	72310	• • Ring, 6 Inch Single Lip Wear	1
22	86031	• • Plate, Wear	1
23	86086	• • Ring, Anti Chip	2
24		• • Bolt, Flat Head	4
25		• • Washer, Lock	4
26		• • Nut, Hex	4
27		• • Bolt, Hex	6
28		• • Washer, Lock	6
29	85962	• • Seal, Flange Bearing	1
30		• • Pin, Dowel	1
31		• • Fitting, Grease 90	2
32	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

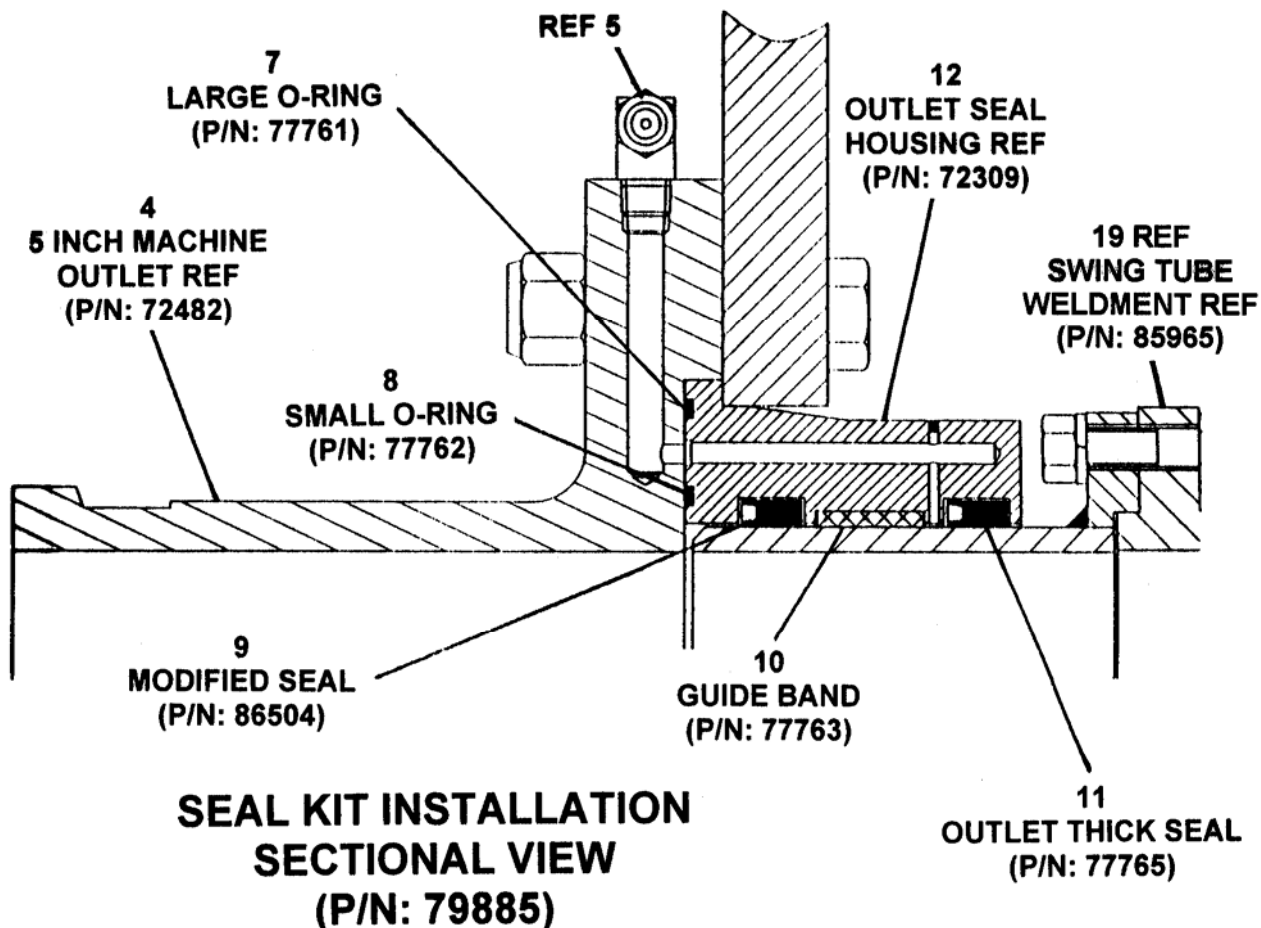
DUAL SHIFT SWING VALVE ASSEMBLY

B50
PARTS

GROUP 60
FIGURE 04
PAGE 03



REVISION:



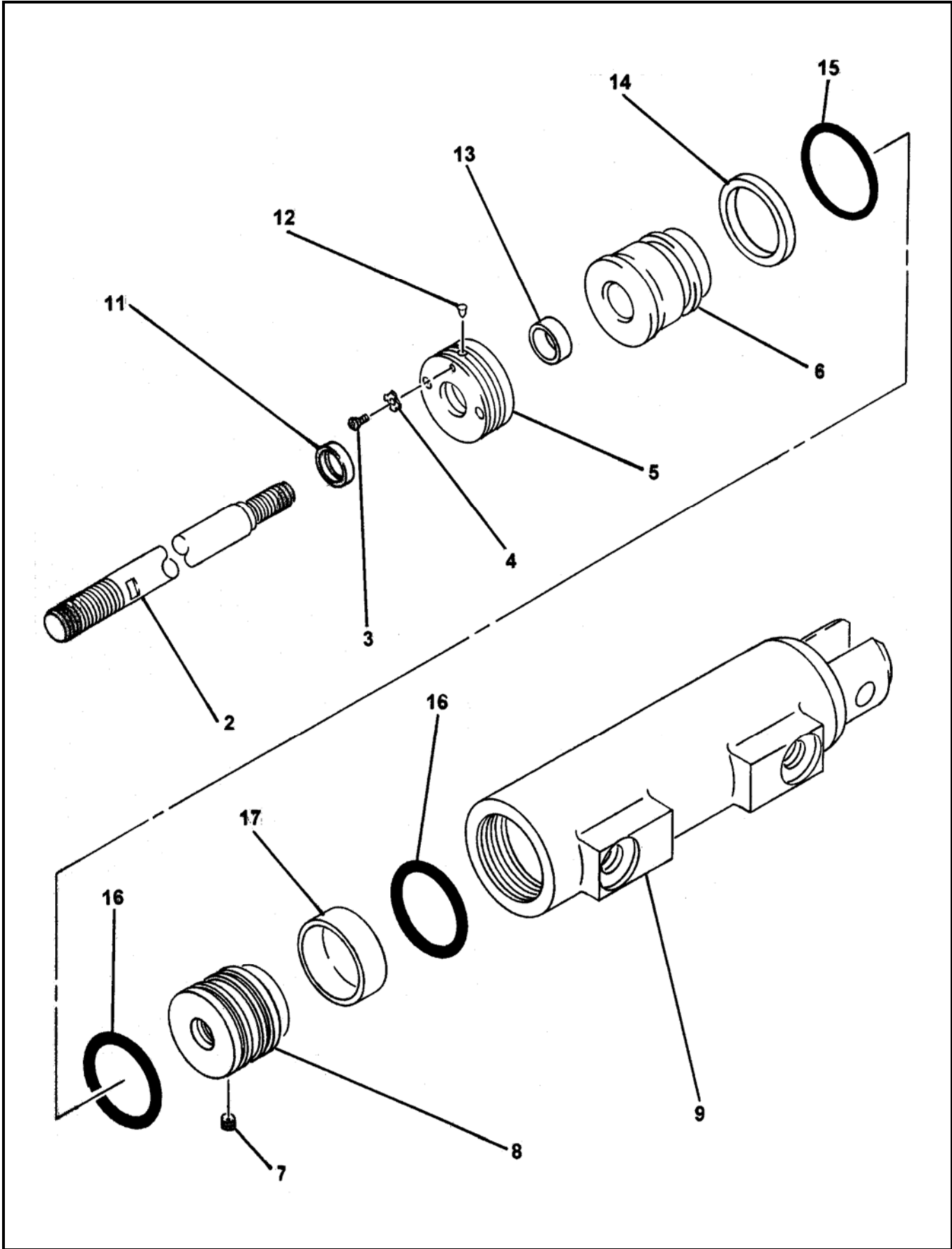
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
42		• • Washer, Flat (attaching parts)	4
43		• • Washer, Lock (attaching parts)	4
44		• • Bolt, Hex (attaching parts)	4
45	75501	• • Spacer	2
46	76798	• • Socket, Ball	4
47	86220	• • Assembly, Dual Shift Swing Ram Cylinder (See Group 60, Figure 06 for DET)	1
48	75502	• • Fitting, 90	2
49	75501	• • Spacer	2
50	85956	• • Crank, 3 Inch Dual Shift Splined Bell	1
51		• • Bolt, Hex (attaching parts)	2
52		• • Washer, SPL Lock (attaching parts)	2
53		• • Nut, Hex (attaching parts)	2
54		• • Washer, Lock	2
55	86283	• • Bolt, Hex	2
56	86282	• • Retainer, Dual Shift Cylinder	1
57		• • Stud	2
58		• • Nut, Hex	2

DASH (-) ITEM NOT ILLUSTRATED



SINGLE SHIFT
SWING RAM CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 05
PAGE 01



REVISION:

**SINGLE SHIFT
SWING RAM CYLINDER ASSEMBLY**

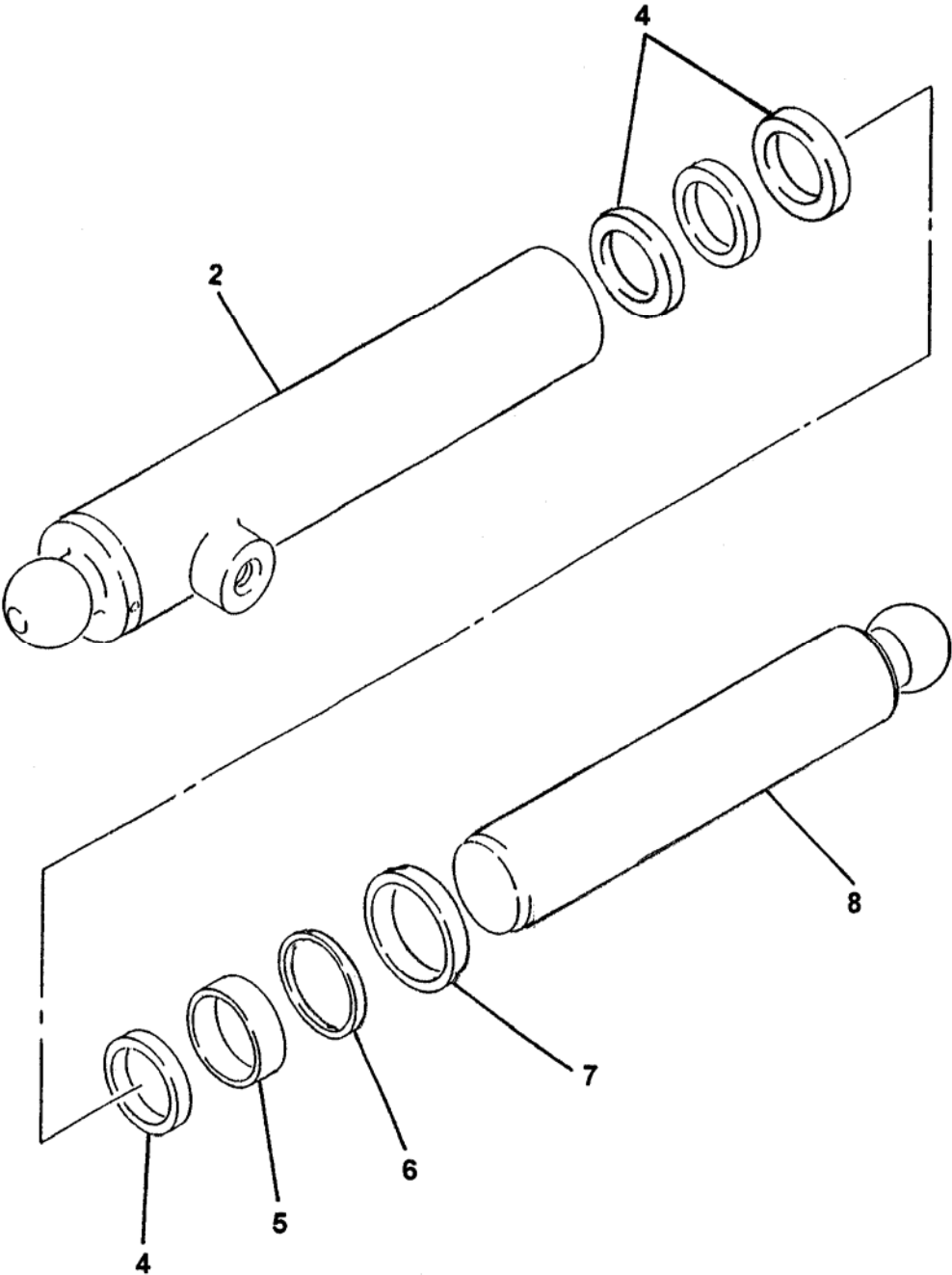
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86221	Assembly, Single Shift Swing Ram Cylinder (See Group 60, Figure 03 for NHA)	Ref
2		• Rod, Cylinder	1
3		• Screw, Cap	1
4		• Washer, Lock	1
5		• Ring, Threaded	1
6		• Gland, Head	1
7		• Screw, Set	1
8		• Ring, Threaded	1
9		• Weldment, Cylinder Case	1
-10	86221-SK	• Kit, Seal	1
11		• • Wiper, Rod	1
12		• • Plug, Nylon	11
13		• • U-Cup	1
14		• • Seal, Back Up	1
15		• • O-Ring	1
16		• • Seal, Piston	2
17		• • Ring, Wear	1

DASH (-) ITEM NOT ILLUSTRATED



DUAL SHIFT
SWING RAM CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 06
PAGE 01





DUAL SHIFT SWING RAM CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 06
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86220	Assembly, Swing Ram Cylinder (See Group 60, Figure 04 for NHA)	Ref
2		• Weldment, Cylinder Case	1
-3	86220-SK	• Kit, Seal	1
4		• • Ring, Wear	1
5		• • U-Cup	1
6		• • Ring, Back Up	4
7		• • Wiper, Rod	1
8		• Weldment, Cylinder Rod	1

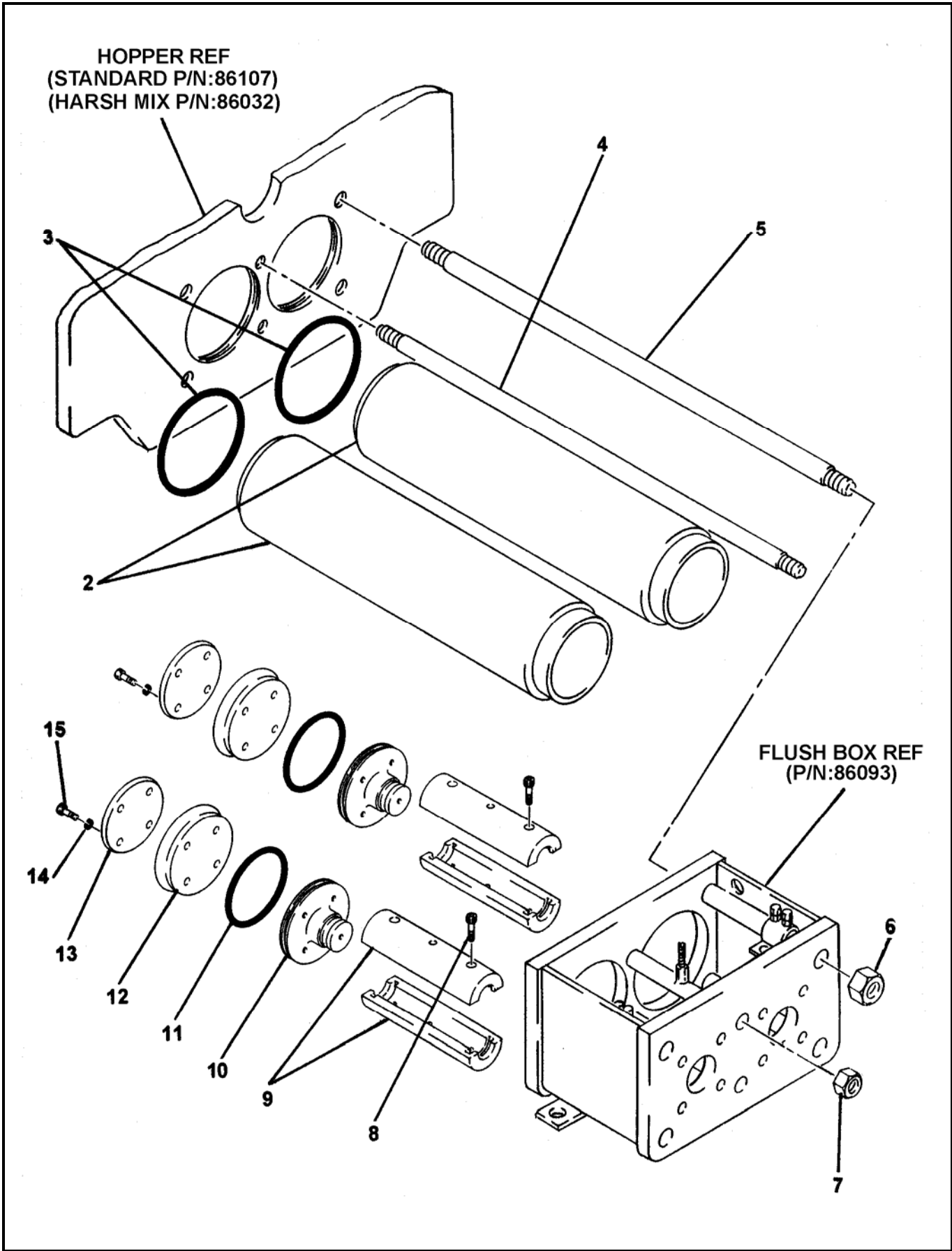
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



MATERIAL CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 07
PAGE 01



REVISION:

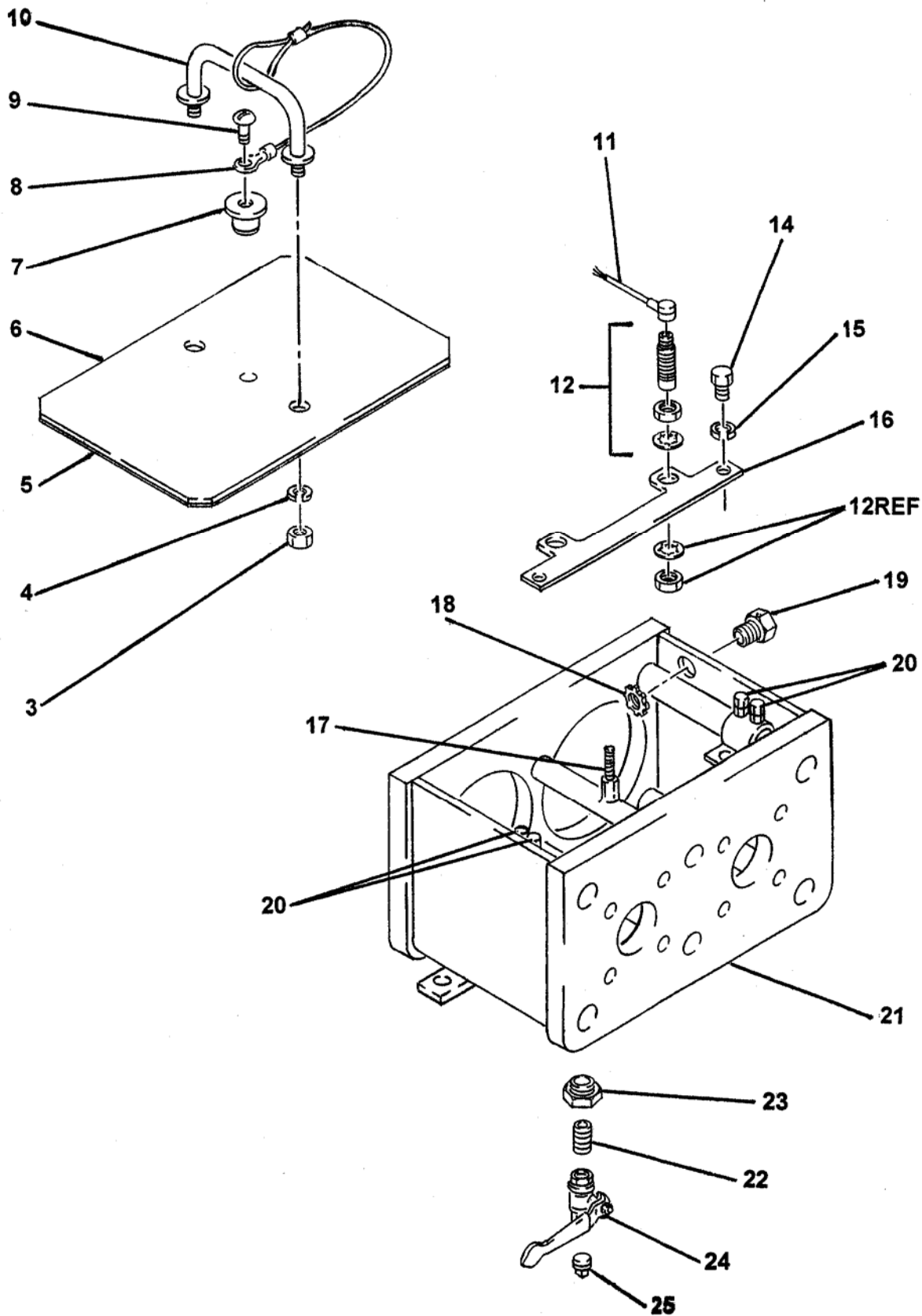
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86309	Assembly, Material Cylinder (See Group 60, Figure 01 and Figure 02 for NHA)	Ref
2	86148	• Cylinder, Material	2
3	86149	• O-Ring, Material Cylinder	2
4	86047	• Rod, Tie	2
5	86046	• Rod, Tie	4
6		• Nut, Hex (attaching Parts)	4
7		• Nut, Hex (attaching Parts)	2
8		• Screw, Cap	4
9	86101	• Coupling, Piston	2
10	77194	• Adapter, 6 Inch Piston	2
11	77120	• Ring, 6 Inch Wear	2
12	70048	• Cup, 6 Inch Piston	2
13	70057	• Plate, 6 Inch Piston	2
14		• Washer, Star (attaching Parts)	8
15		• Bolt, Hex (attaching Parts)	8

DASH (-) ITEM NOT ILLUSTRATED



FLUSH BOX ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 08
PAGE 01



REVISION:

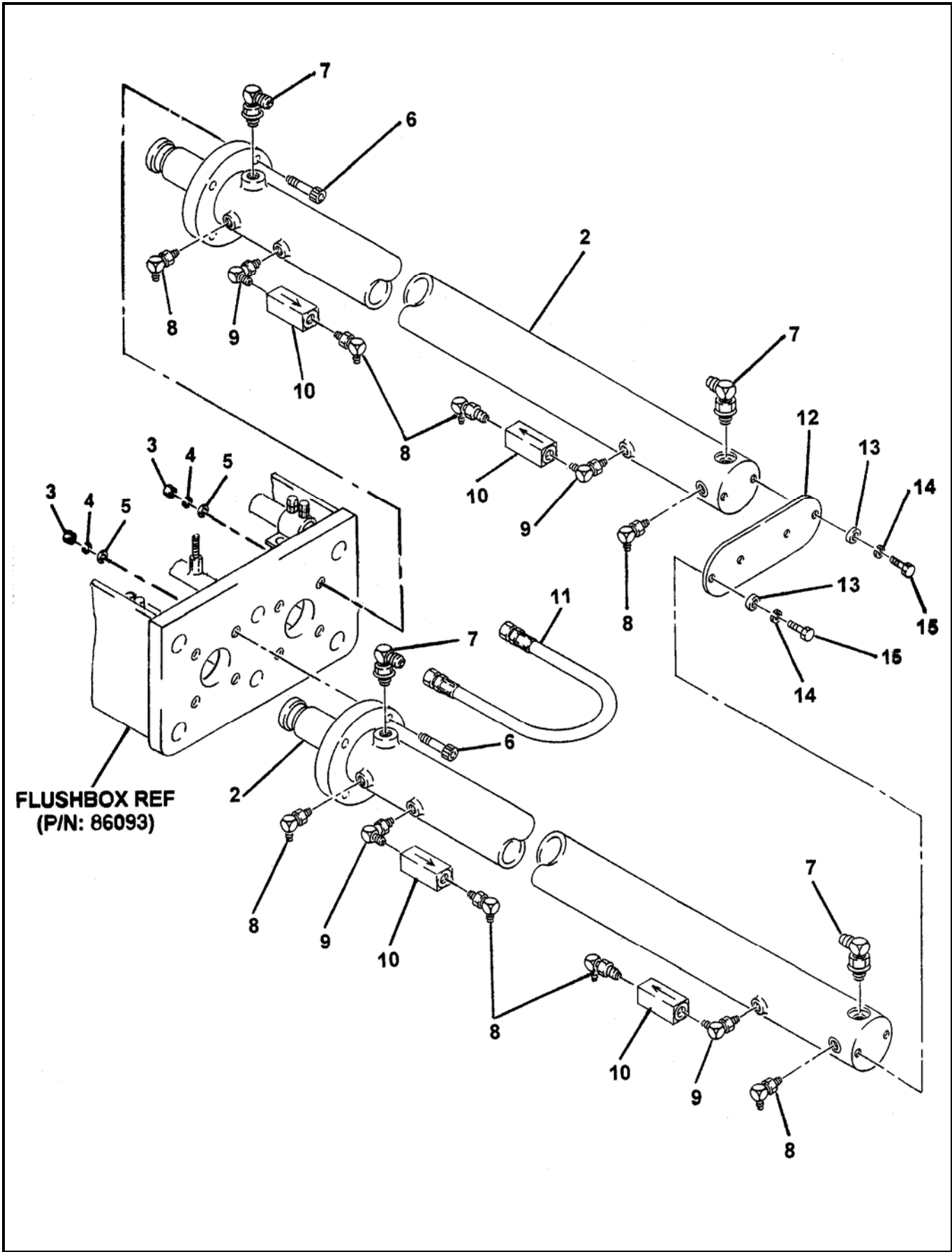
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-08	Assembly, Flushbox (See Group 60, Figure 01 and Figure 02 for NHA)	Ref
-2	86106	• Assembly, Flush Box Cover	1
3		• • Nut, Hex	2
4		• • Washer, Lock	2
5	13257	• • Weatherstrip, Rubber	A/R
6	86010	• • Weldment, Flush Box Cover	1
7	86105	• • Knob	1
8	800418	• • Lanyard	1
9		• • Screw, Round Head	1
10	79056	• • Handle, Splash Guard	1
11	77998	• Sensor, Proximity Switch	2
12	77990	• Cable, Proximity Switch	2
-13	86307	• Assembly, 6 Inch Flush Box Group	1
14		• • Bolt, Hex	2
15		• • Washer, Lock	2
16	86006	• • Bracket, Proximity Switch	1
17	86665	• • Stud	1
18	10528	• • Nut	1
19	73783	• • Conduit, Fitting	1
20		• • Bolt, Hex	4
21	86093	• • Weldment, Flush Box	1
22	10224	• Bushing, Hex	1
23	10355	• Nipple	1
24	56413	• Valve, Ball	1
25	74944	• Plug	1

DASH (-) ITEM NOT ILLUSTRATED



HYDRAULIC DRIVE
CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 09
PAGE 01



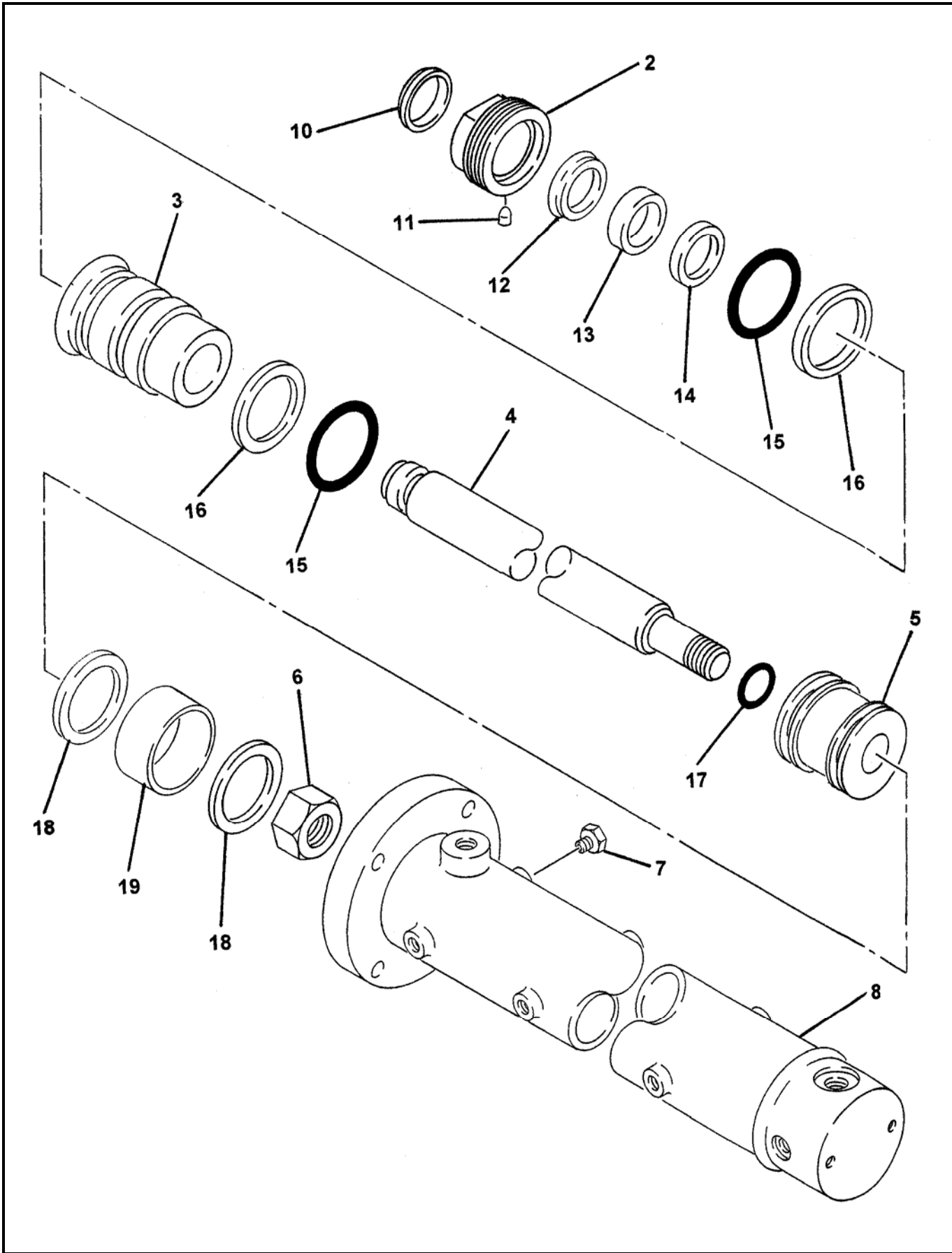
REVISION:

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86304	Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 01 and Figure 02 for NHA)	Ref
2	86223	• Assembly, Drive Cylinder (See Group 60, Figure 10 for DET)	1
3		• Nut, Hex (attaching parts)	8
4		• Washer, Lock (attaching parts)	8
5	77396	• Washer, Thread (attaching parts)	8
6		• Bolt (attaching parts)	8
7		• Fitting, 90	4
8		• Fitting, 90	8
9		• Fitting, 90	4
10	78961	• Valve, Check	4
11	85427	• Assembly, Tube	1
12	86544	• Plate, End	1
13		• Washer, Flat (attaching parts)	4
14		• Washer, Lock (attaching parts)	4
15		• Bolt, Hex (attaching parts)	4



DRIVE CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 10
PAGE 01



REVISION:

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86223	Assembly, Drive Cylinder (See Group 60, Figure 09 for NHA)	Ref
2		• Ring, Threaded	1
3		• Gland, Head	1
4		• Rod, Cylinder	1
5		• Piston	1
6		• Nut, Piston	1
7		• Plug	4
8		• Weldment, Cylinder Case	1
-9	86223-SK	• Kit, Seal	1
10		• • Wiper, Rod	1
11		• • Plug, Nylon	1
12		• • Ring, Back Up	1
13		• • U-Cup	1
14		• • Seal, Buffer	1
15		• • O-Ring	2
16		• • Ring, Back Up	2
17		• • O-Ring	1
18		• • Seal, Piston	2
19		• • Ring, Wear	1



TRAILER MOUNTED PUMP MODEL *B50*
ILLUSTRATED PARTS MANUAL

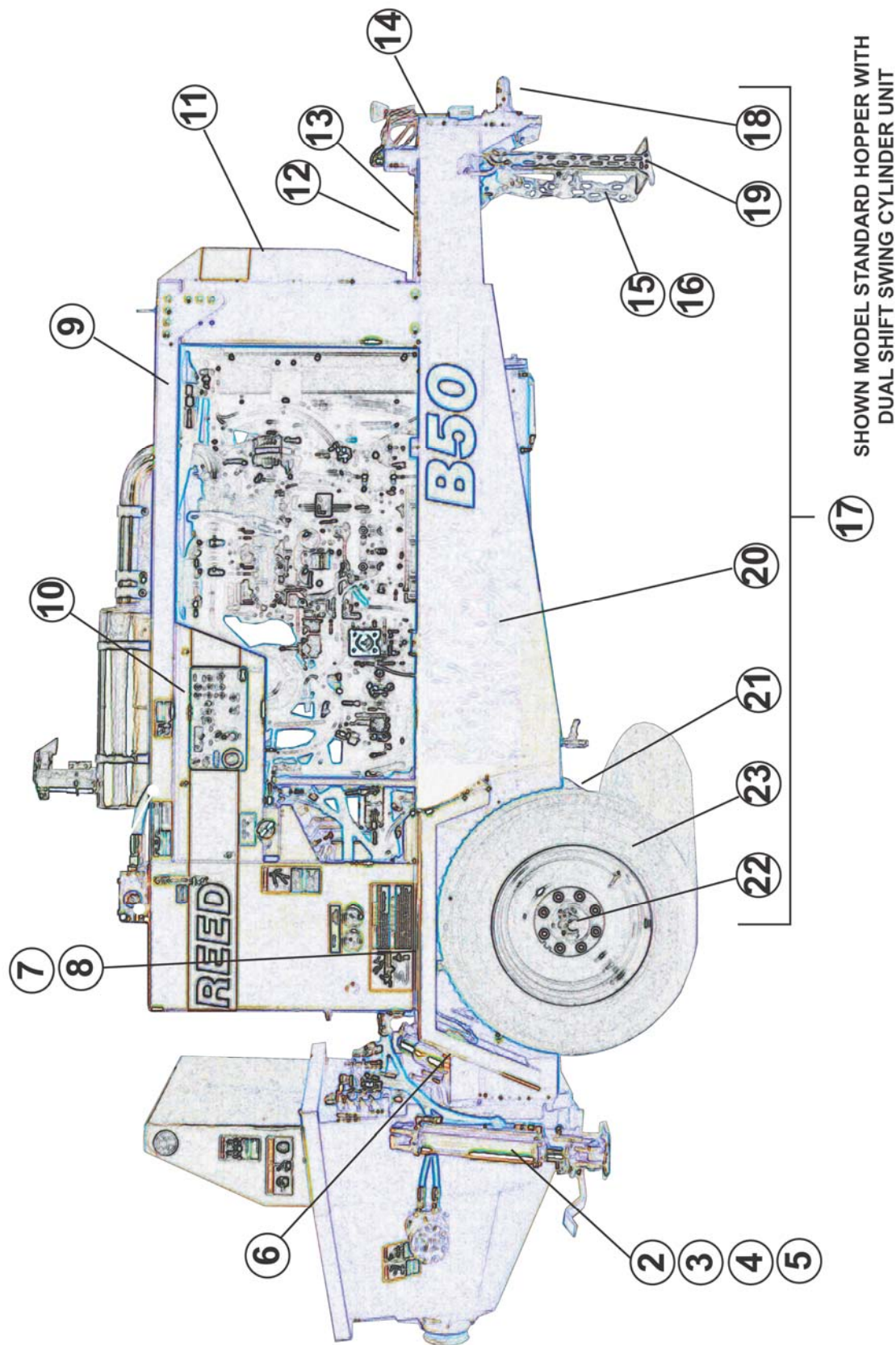
B50
PARTS
GROUP 60
FIGURE 11
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 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



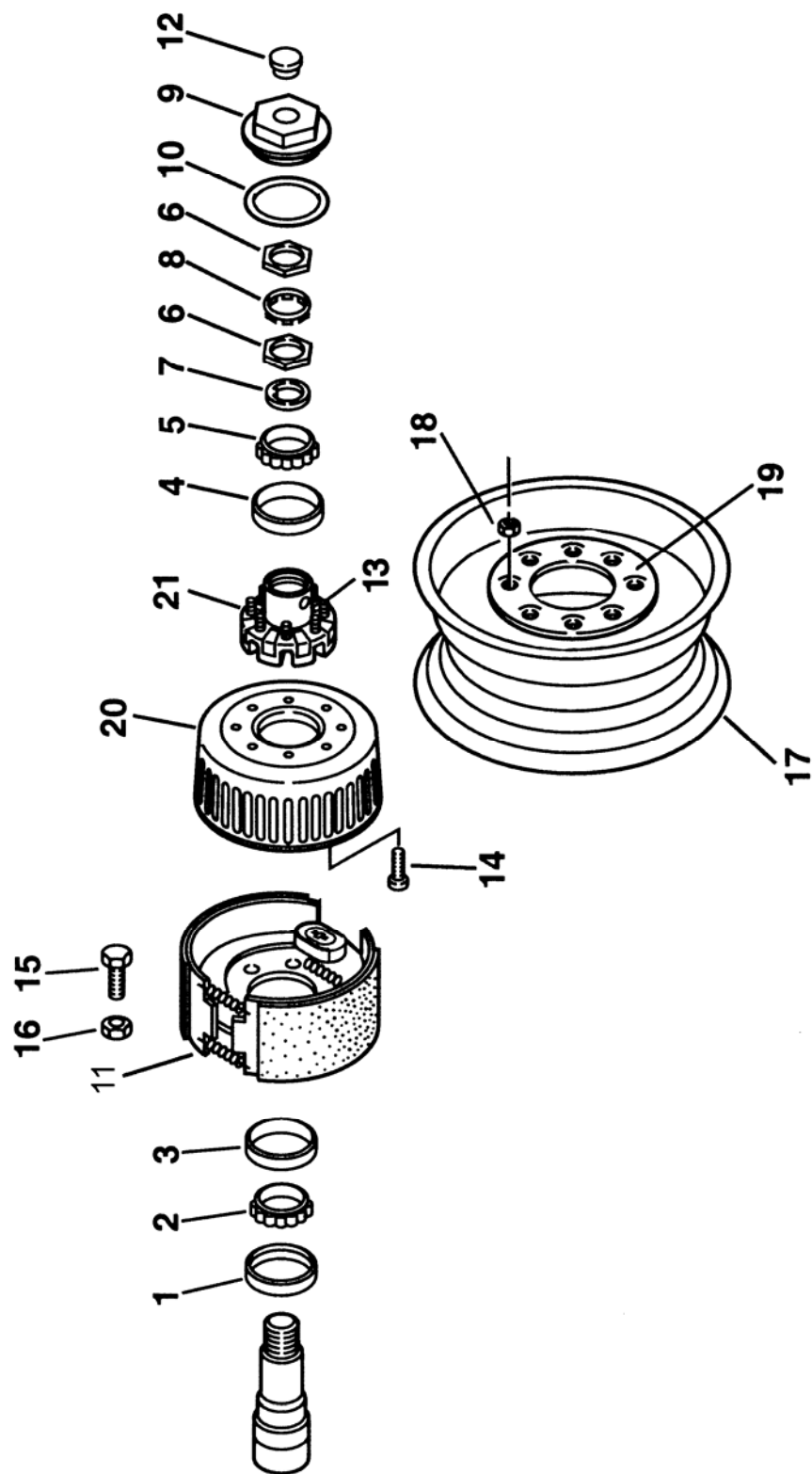


ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	70-01	Installation, Frame (See Group 10, Figure 01 for NHA)	Ref
2	86553	• Weldment, Outrigger Inner	2
3	86557	• Weldment, Outrigger Outer Tube	2
4	85595	• Pin, Outrigger Safety	2
5	800418	• Lanyard, Q/R Pin	2
6	72948	• Light, Tail	2
7	86959	• Weldment, Right Fender	1
8	86960	• Weldment, Left Fender	1
9	87737	• Panel, Top	1
10	87449	• Cover, Control Box	1
11A	87681	• Cover, Front	1
11B	87647	• Gusset	2
12	85338	• Cover, Tool Box	1
13	86533	• Assembly, Trailer Wiring Harness (See Schematic Section, Page 12 for REF)	1
14	77705	• Kit, Break Away	1
15A	87086	• • Chain Assembly	2
15B	87085	• Shackle Anchor	4
16	86730	• Chain, 3/8 Proof Coil GR 70-5.5 FT	2
17	87729	• Assembly, Frame	1
18	87037	• • Drawbar	1
19	85527	• • Weldment, Jack	1
20	87728	• • Weldment, Frame	1
21	86924	• • Axle-9000 lbs	1
22	70-02	• • Assembly, Hub and Brake (See Group 70, Figure 02 for DET)	1
23	86923	• • Assembly, Wheel and Tire	2
-24	73748	• Bumper	4

DASH (-) ITEM NOT ILLUSTRATED

HUB AND BRAKE ASSEMBLY

B50
PARTS
GROUP 70
FIGURE 02
PAGE 01

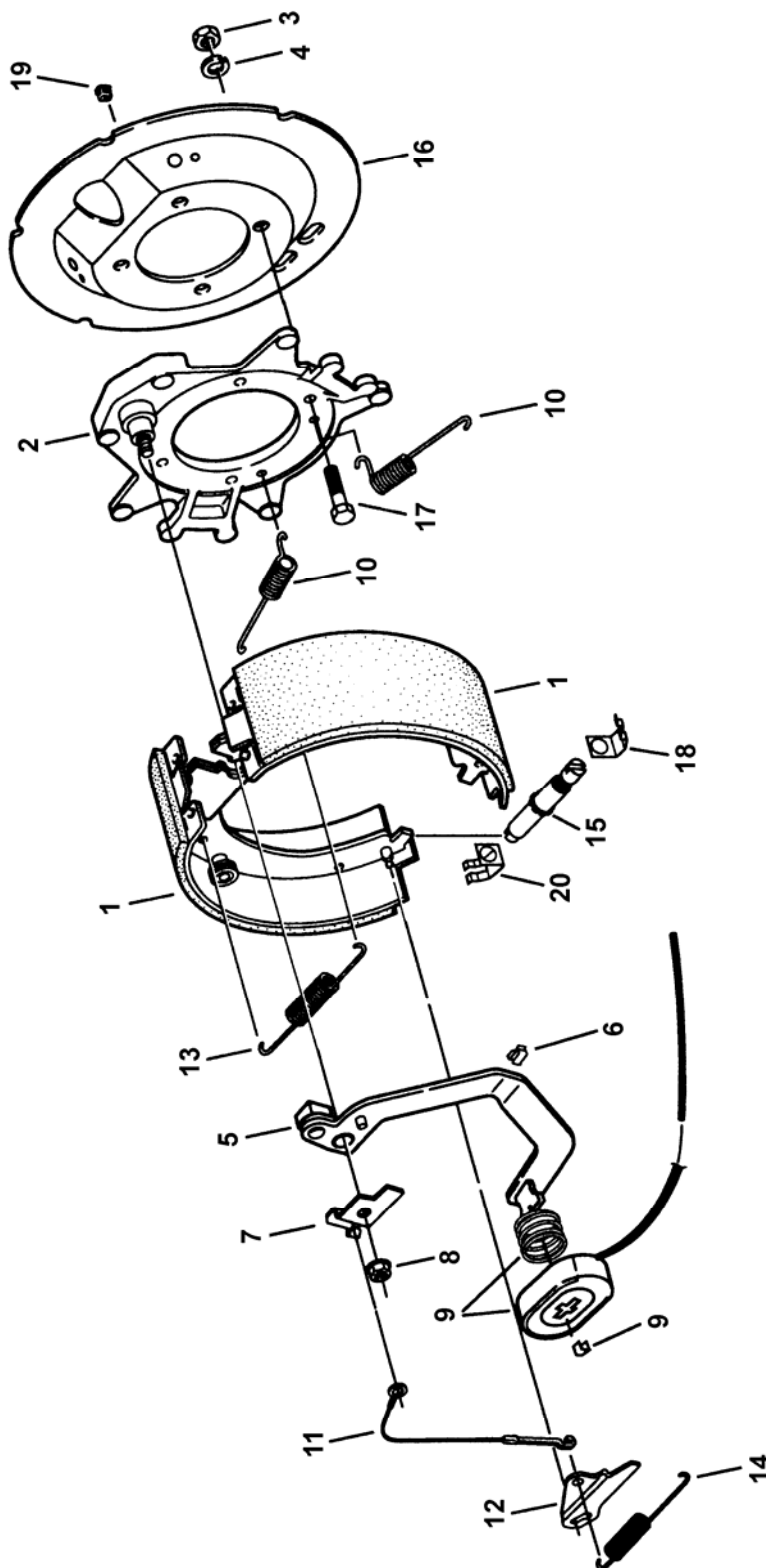


ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1A	70-02	Assembly, Hub and Brake (Left and Right Side) (See Group 70, Figure 01 for NHA)	Ref
1		• Seal, Oil	1
2		• Cone, Inner Bearing	1
3		• Cup, Inner Bearing	1
4		• Cup, Outer Bearing	1
5		• Cone, Outer Bearing	1
6		• Nut, Spindle	2
7		• Washer, Spindle	1
8		• Washer, Tang	1
9*		• Cap, Oil	1
10*		• "O"-Ring	1
11		• LH/RH Electric Brake Set -12 1/4" x 3 3/8"	Ref
12*		• Plug, Oil Cap	1
13		• Stud, Wheel 5/8"-18	8
14		• Screw, Drum Mounting	2
15		• Bolt, Brake Mounting	2
16		• Nut, Brake Mounting	2
17		• Wheel, Steel -17.5 x 6.75 (8 on 6.5 BC)	Ref
18		• Nut, Cone 5/8"-18 90°	8
19		• Ring, Clamp	1
20		• Drum, Brake	1
21		• Hub, Oil W/Cups and Studs	1
22	87023	• Oil Cap Kit-(* includes Items 9,10 & 12)	1

DASH (-) ITEM NOT ILLUSTRATED

NON OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B50
PARTS
GROUP 70
FIGURE 03
PAGE 01



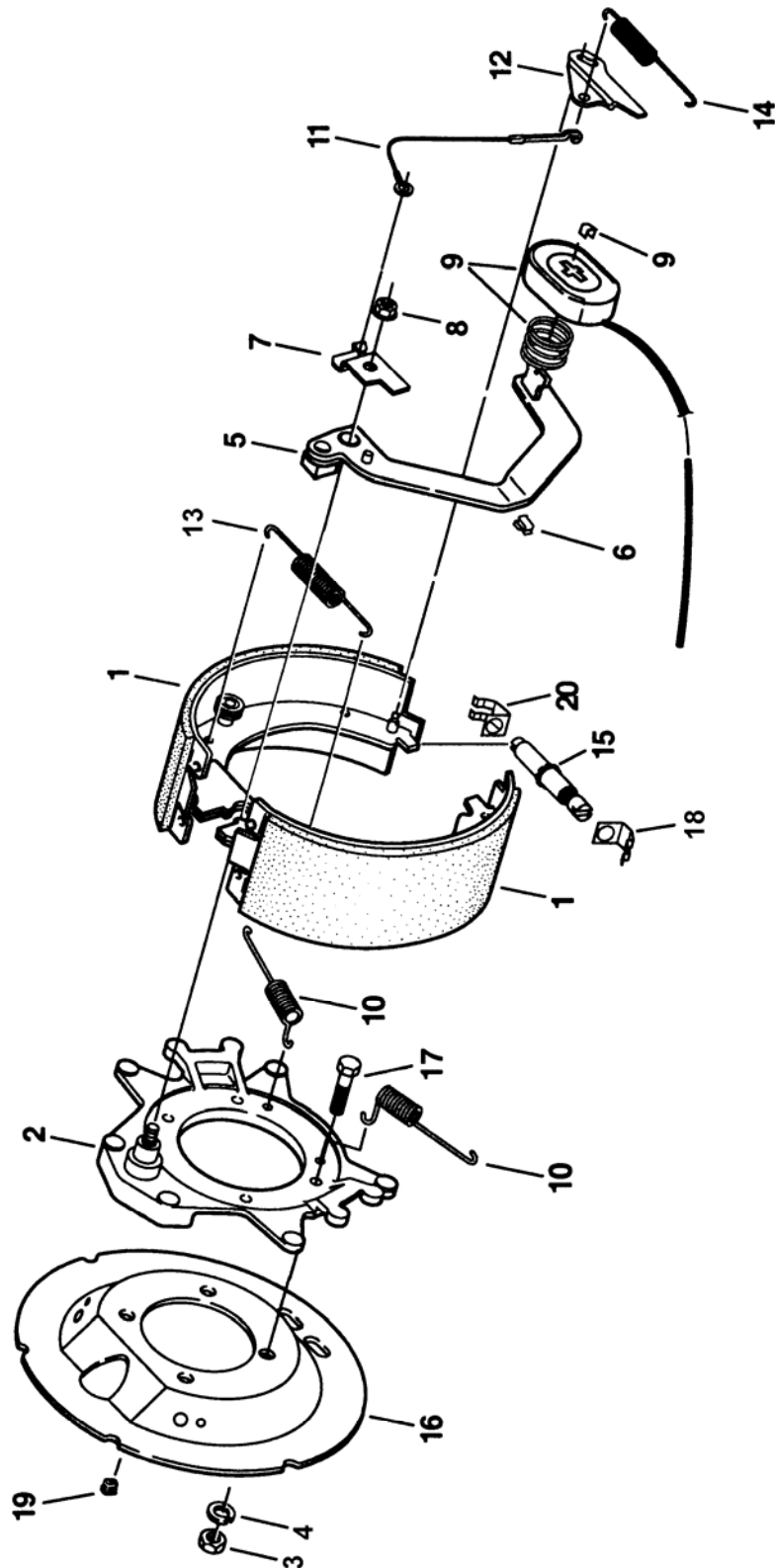
REVISION:

**NON OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY**

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1A	LH	Assembly, Non-Operator Side Electric Brake (Left Side) (See Group 70, Figure 02 for NHA)	Ref
1		• LH Shoe & Lining Kit	1
2		• Backing Plate Assembly	1
3		• Brake Mounting Nut	4
4		• Lockwasher	4
5		• LH Actuating Arm Assembly	1
6		• Wire Clip	3
7		• LH Arm/Shoe Retainer	1
8		• Flange Nut	1
9		• Magnet Kit	1
10		• Centering Spring	2
11		• Adjuster Cable	1
12		• LH Adjuster Lever	1
13		• Return Spring	1
14		• Adjuster Spring	1
15		• LH Adjuster Assembly (Silver)	1
16		• Dust Shield	1
17		• Brake Mounting Bolt	4
18		• Adjuster Clip (Thread End)	1
19		• Wire Grommet	1
20		• Adjuster Clip (Barrel End)	1
21		•	-
22		•	-
23		•	-
24		• DASH (-) ITEM NOT ILLUSTRATED	-

REVISION:

OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

**B50
PARTS**GROUP 70
FIGURE 04
PAGE 01

REVISION:

**OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY**

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1A	RH	Assembly, Operator Side Electric Brake (Right Side) (See Group 70, Figure 02 for NHA)	Ref
1		• RH Shoe & Lining Kit	1
2		• Backing Plate Assembly	1
3		• Brake Mounting Nut	4
4		• Lockwasher	4
5		• RH Actuating Arm Assembly	1
6		• Wire Clip	3
7		• RH Arm/Shoe Retainer	1
8		• Flange Nut	1
9		• Magnet Kit	1
10		• Centering Spring	2
11		• Adjuster Cable	1
12		• RH Adjuster Lever	1
13		• Return Spring	1
14		• Adjuster Spring	1
15		• RH Adjuster Assembly (Gold)	1
16		• Dust Shield	1
17		• Brake Mounting Bolt	4
18		• Adjuster Clip (Thread End)	1
19		• Wire Grommet	1
20		• Adjuster Clip (Barrel End)	1
21		•	-
22		•	-
23		•	-
24		• DASH (-) ITEM NOT ILLUSTRATED	-

REVISION:

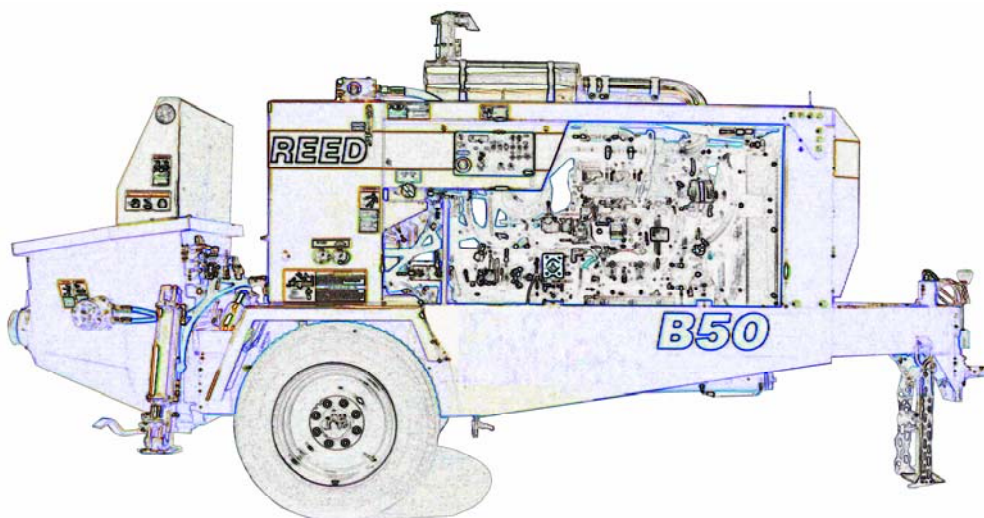


TRAILER MOUNTED PUMP MODEL *B50*
ILLUSTRATED PARTS MANUAL

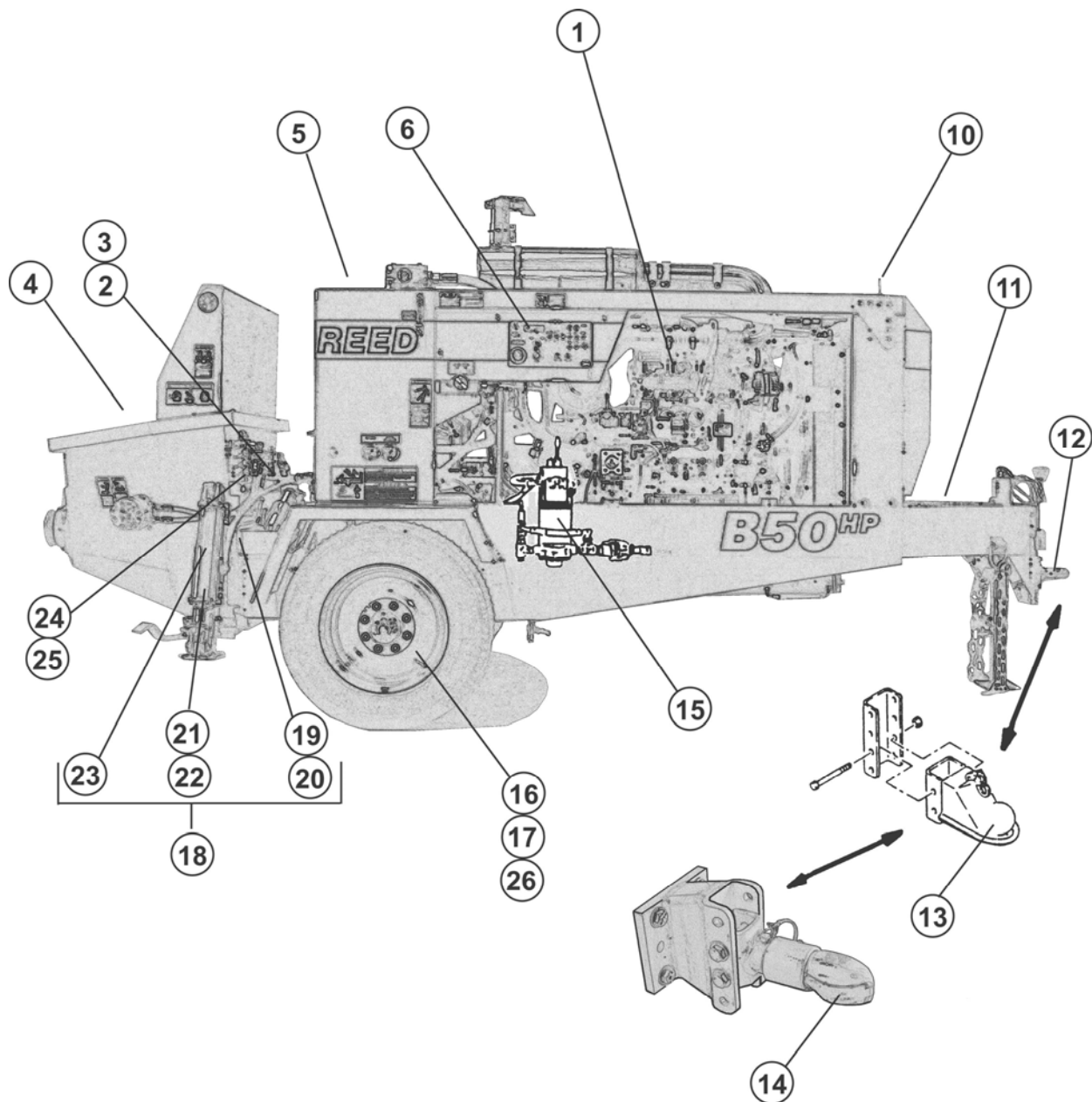
B50
PARTS
GROUP 70
FIGURE 05
PAGE 01

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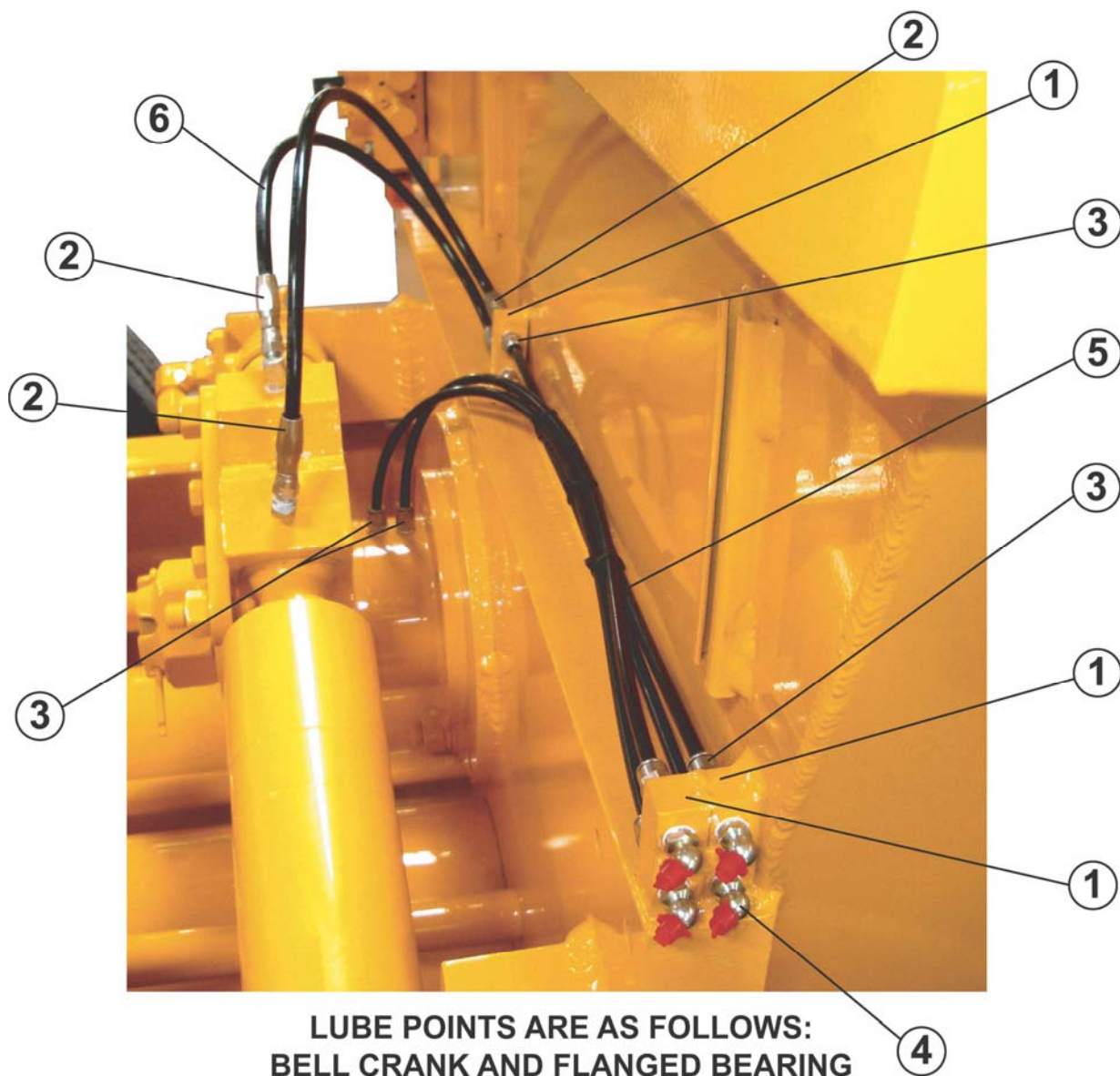
REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 80 OPTIONAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:



- | | |
|------------------|--|
| FIGURE 00 | TABLE OF CONTENTS |
| FIGURE 01 | OPTIONAL INSTALLATION |
| FIGURE 02 | CENTRALIZED LUBE BLOCK ASSEMBLY |
| FIGURE 03 | AUTOLUBE 12 VOLT LUBE PUMP ASSEMBLY |
| FIGURE 04 | 12 VOLT LUBE PUMP ASSEMBLY |
| FIGURE 05 | HOPPER VIBRATOR ASSEMBLY |
| FIGURE 06 | ACCUMULATOR CHARGE KIT |
| FIGURE 07 | OPTIONAL TOOL KIT ASSEMBLY |
| FIGURE 08 | SURGE BRAKES ASSEMBLY-PINTLE HITCH |
| 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 | TIRE & WHEEL ASSEMBLY - ALUMINUM |
| FIGURE 21 | 50 FEET STROKE COUNTER REMOTE CONTROLLER |



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-01	Installation, Optional (See Group 10, Figure 01, 02, 03 and 04 for NHA)	Ref
2	80-02	• Assembly, Centralized Lube (See Group 80, Figure 02 for DET)	1
3	80-03	• Assembly, AUTOLUBE 12 Volt Lube Pump (See Group 80, Figure 03 for DET)	1
4	80-05	• Assembly, Hopper Vibration (See Group 80, Figure 05 for DET)	1
-5	87859	• Assembly, Optional Lifting	1
-6	87346-2	• Assembly, Stroke Counter (Part of Control Box)	1
-7	(Special Order)	• Assembly, Side Security Doors	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	87348-1	• 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	80-08	• Assembly, Surge Brake-Pintle Hitch (See Group 80, Figure 08 for DET)	1
-13	87497	• Assembly, Surge Brake-2" Ball Coupler	1
-14	87482	• 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	86334	• Group, Hydraulic Outrigger	1
19	85685	• • Assembly, Tube	1
20	85686	• • Assembly, Tube	1
21	85659-010	• • Assembly, Hose (See Schematic Section, Figure 05 for REF)	4
-22	86728-008	• • Elbow, 90	4
-22A	800919	• • Decal, Warning-"Stand Clear of Outriggers"	2
-22B	801902-020	• • Tube Clamp	4
23	86574	• • 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	80-20	• Assembly, Tire & Wheel - Aluminum (See Group 80, Figure 20 for DET)	1
-27	80-21	• Assembly, 50 Feet Remote Control Stroke Counter (See Group 80, Figure 21 for DET)	1
-28	(Special Order)	• Assembly, 100 Feet Remote Control Stroke Counter (See Group 80, Figure 22 for DET)	1
DASH (-) ITEM NOT ILLUSTRATED			



LUBE POINTS ARE AS FOLLOWS:
BELL CRANK AND FLANGED BEARING



CENTRALIZED LUBE BLOCK ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 02
PAGE 02

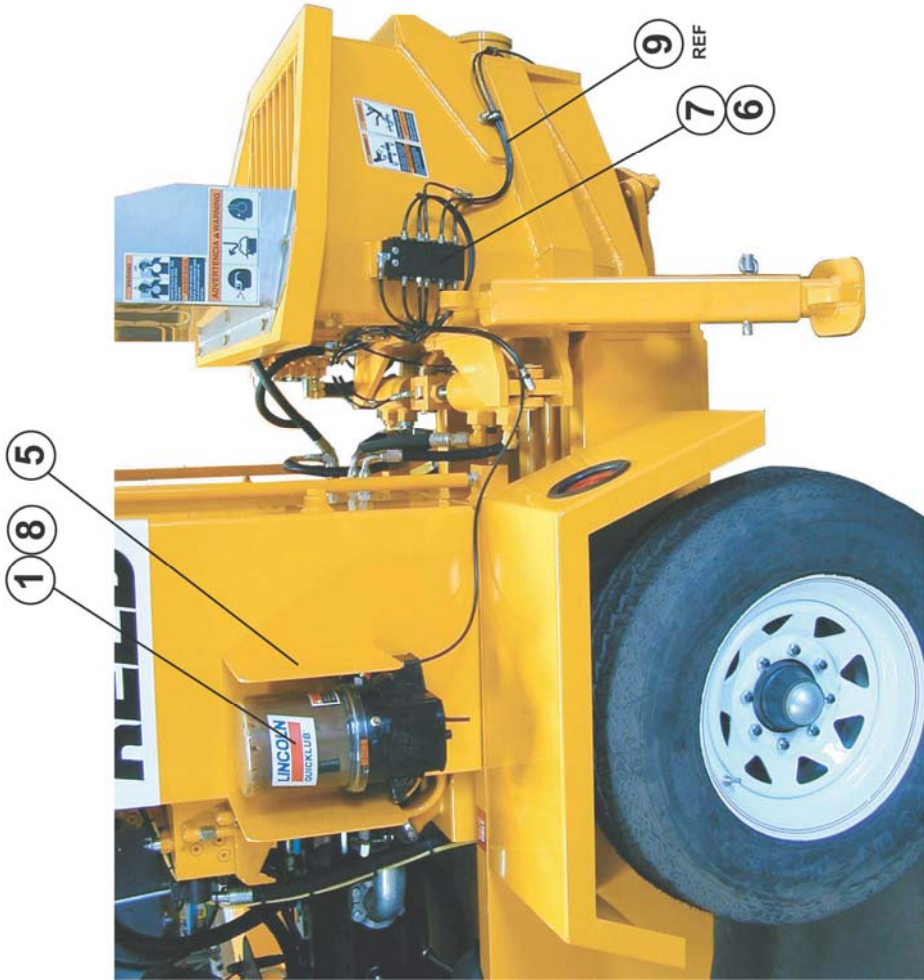
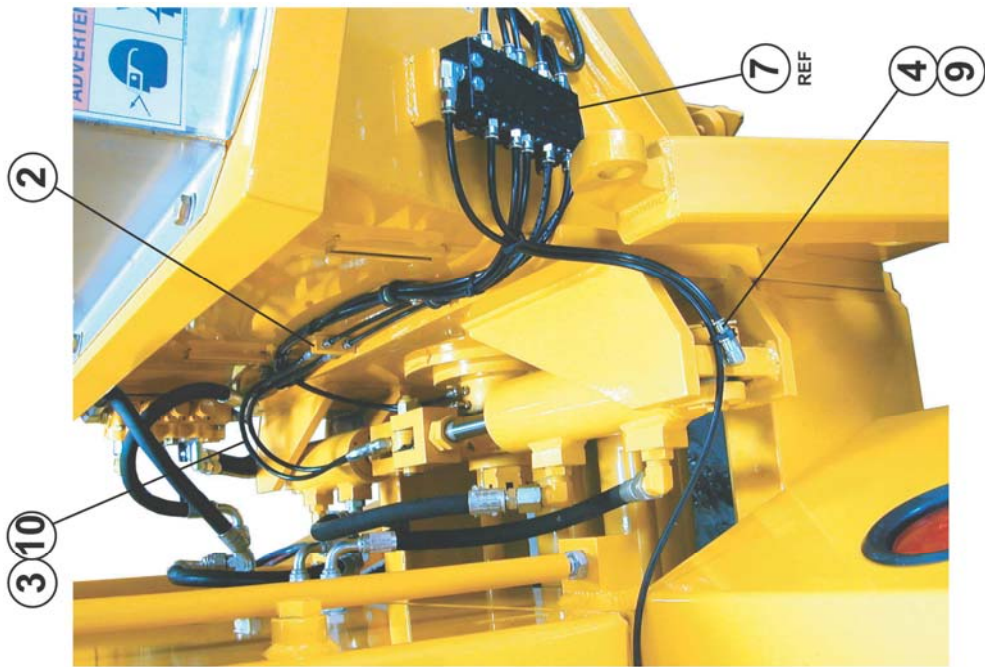
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	87539	Assembly, Centralized Lube Block (See Group 80, Figure 01 for NHA)	Ref
1	87437	• Block, Union-Lincoln Lube	3
2	87628	• Hose Coupling	4
3	87629	• Fitting, Hose	8
-4		• Fitting, Lube 45-1/8 NPT	4
-5		• Hose, Plastic-1/4" O.D. Tubing	A/R
-6		• Hose, Plastic-5/16" O.D. Tubing	A/R
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



AUTOLUBE 12 VOLT PUMP ASSEMBLY
(PLASTIC TUBING)

B50
PARTS
GROUP 80
FIGURE 03
PAGE 01



LUBE POINTS ARE AS FOLLOWS:
BELL CRANK, FLANGED BEARING
SWING CYLINDERS, AGITATOR BEARINGS
AND OUTLET FLANGE



**AUTOLUBE 12 VOLT PUMP ASSEMBLY
(PLASTIC TUBING)**

B50
PARTS
GROUP 80
FIGURE 03
PAGE 02

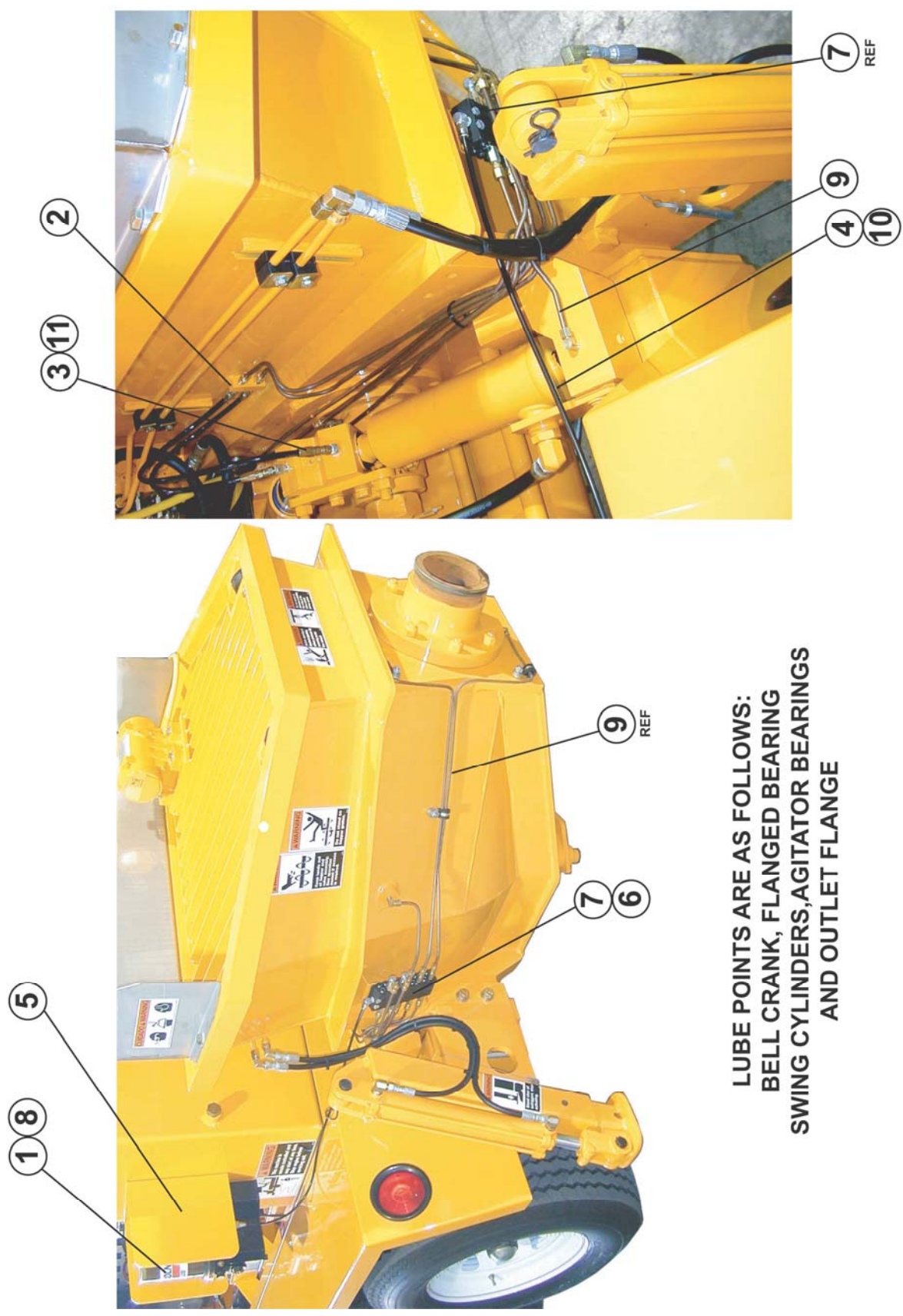
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	87476	Assembly, AUTOLUBE 12 Volt-Plastic Tubing (See Group 80, Figure 01 for NHA)	Ref
1	87193	• Lube Pump Assy-12V (Plastic Tubing)	1
2	87437	• Block, Union-Lincoln Lube	1
3	87628	• Hose Coupling	4
4	87629	• Fitting, Hose	22
5	87257	• Guard	1
6	87475	• Bracket, Lube Block Mount	1
7		• Block, Divider Valve-18 Outlets	1
8		• Valve, Pressure Relief	1
9		• Hose, Plastic-1/4" O.D.	A/R
10		• Hose, Plastic-5/16" O.D.	A/R
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



AUTOLUBE 12 VOLT LUBE ASSEMBLY
(STEEL TUBING)

B50
PARTS
GROUP 80
FIGURE 03
PAGE 03



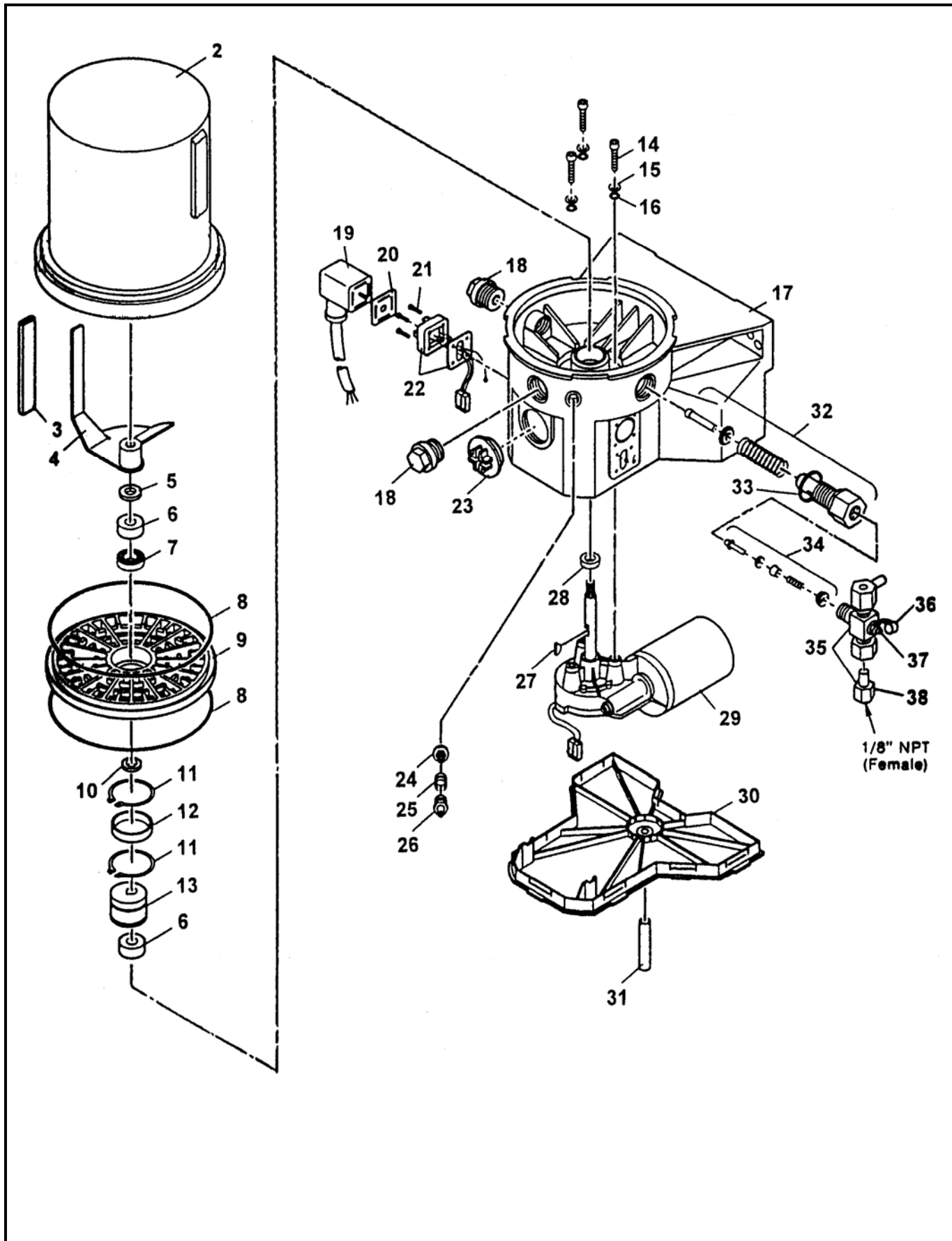


AUTOLUBE 12 VOLT LUBE ASSEMBLY (STEEL TUBING)

B50
PARTS
GROUP 80
FIGURE 03
PAGE 04

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	87485	Assembly, AUTOLUBE 12 Volt-Steel Tubing (See Group 80, Figure 01 for NHA)	Ref
1	87484	• Lube Pump Assy-12V (Steel Tubing)	1
2	87437	• Block, Union-Lincoln Lube	1
3	87628	• Hose Coupling	4
4	87629	• Fitting, Hose	2
5	87257	• Guard	1
6	87475	• Bracket, Lube Block Mount	1
7		• Block, Divider Valve-18 Outlets	1
8		• Valve, Pressure Relief	1
9		• Tubing, Steel-1/4" O.D.	A/R
10		• Hose, Plastic-1/4" O.D.	A/R
11		• Hose, Plastic-5/16" O.D.	A/R
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



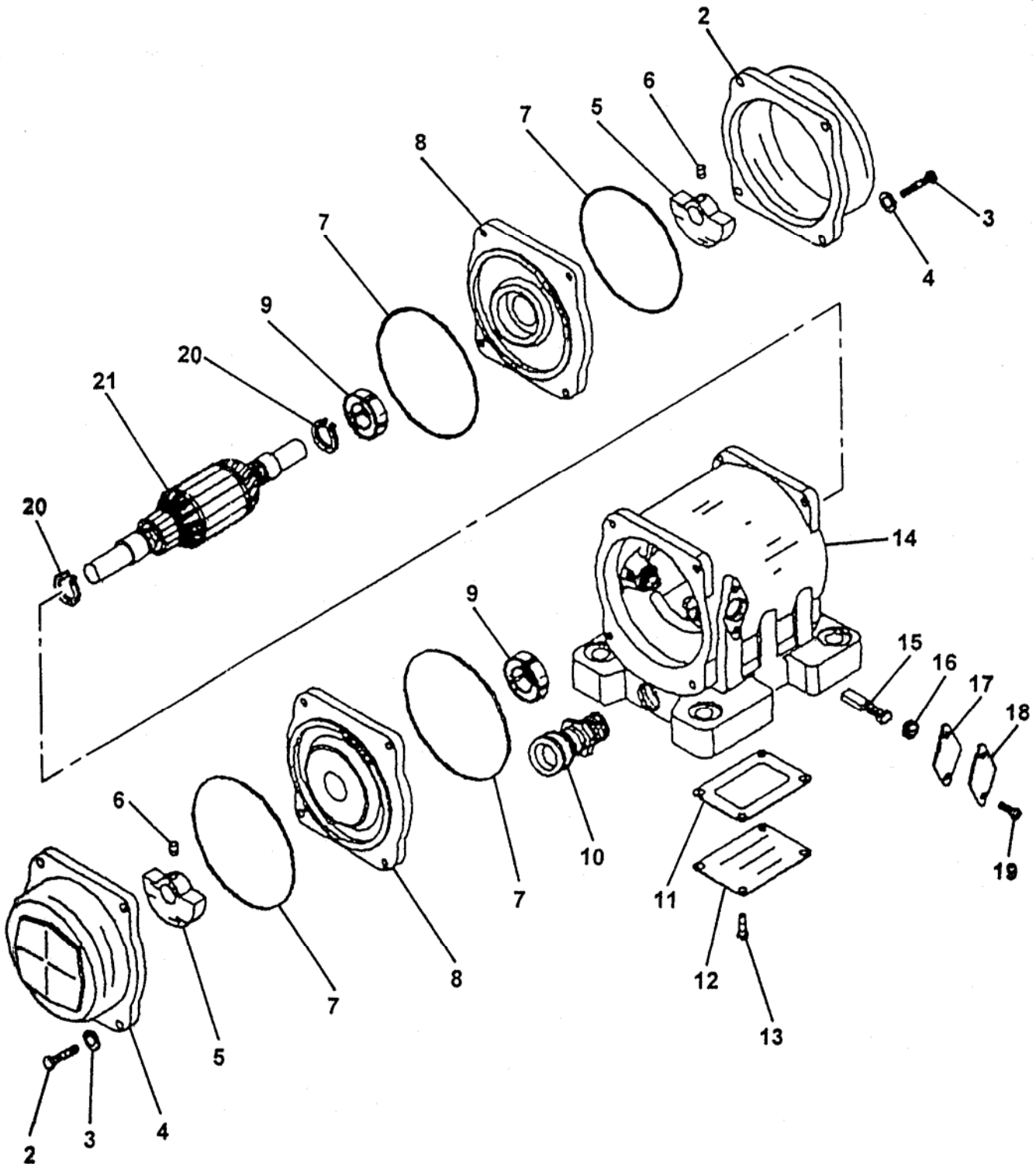
12 VOLT LUBE PUMP ASSEMBLY

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

B50
PARTS
GROUP 80
FIGURE 05
PAGE 03



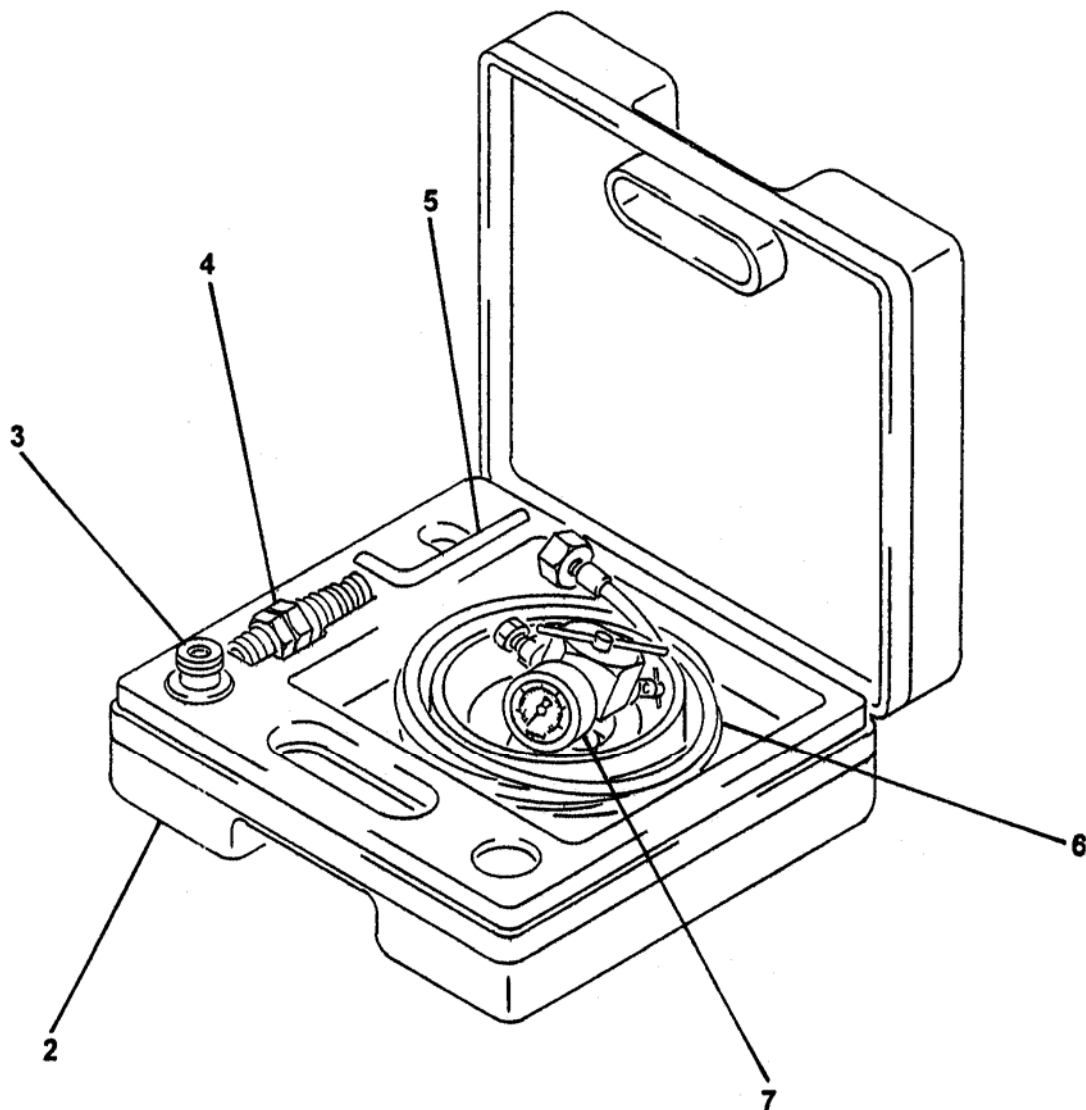
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	71429	Assembly, Hopper Vibrator (See Group 80, Figure 01 for NHA)	Ref
2		• Cap, End	2
3		• Bolt (attaching parts)	8
4		• Washer, Lock (attaching parts)	8
5		• Weight	2
6		• Screw, Set (attaching parts)	2
7		• O-Ring	4
8		• Bell, End	2
9		• Bearing	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



ACCUMULATOR CHARGE KIT

B50
PARTS
GROUP 80
FIGURE 06
PAGE 01





ACCUMULATOR CHARGE KIT

B50
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

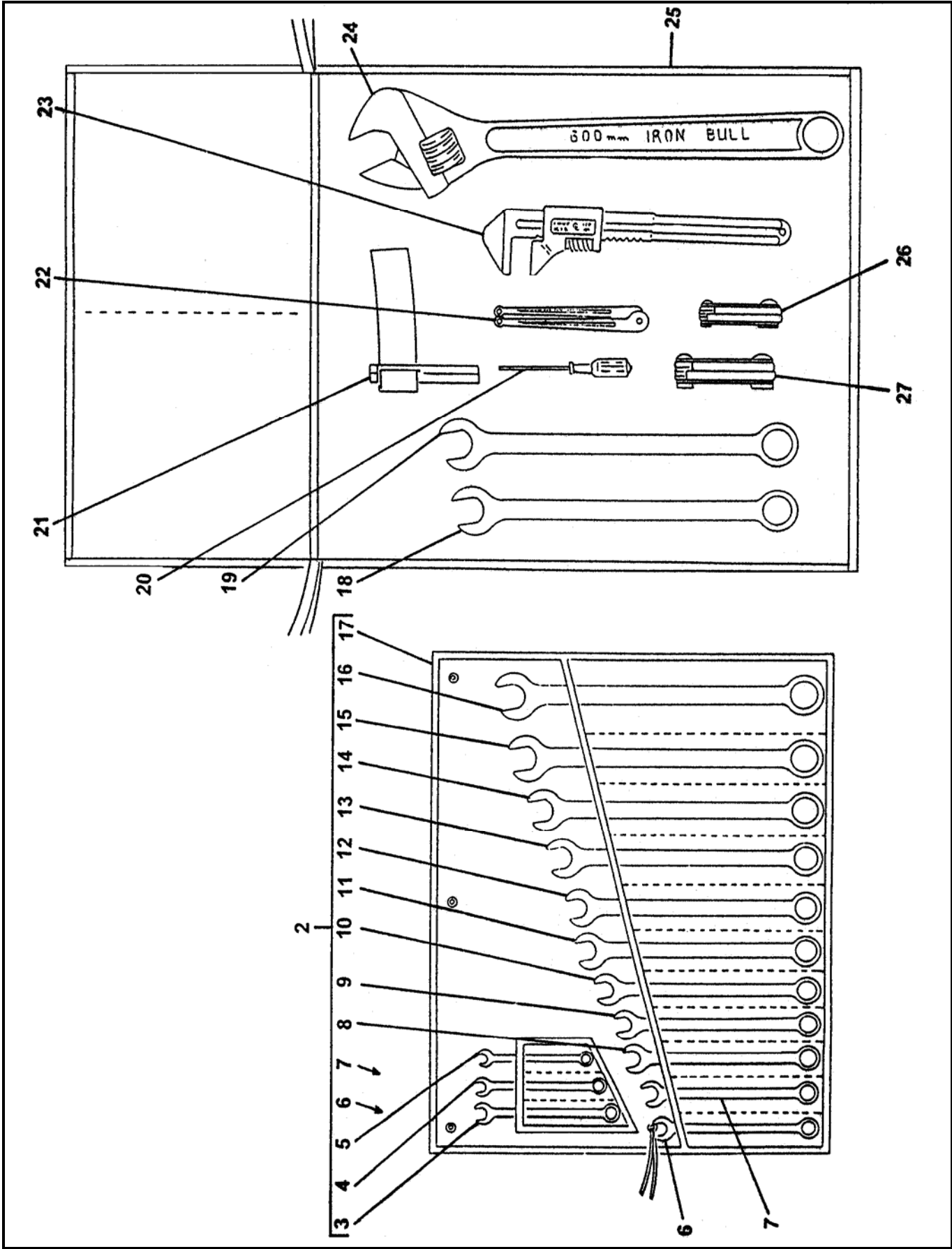
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



OPTIONAL TOOL KIT ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 07
PAGE 01



REVISION:

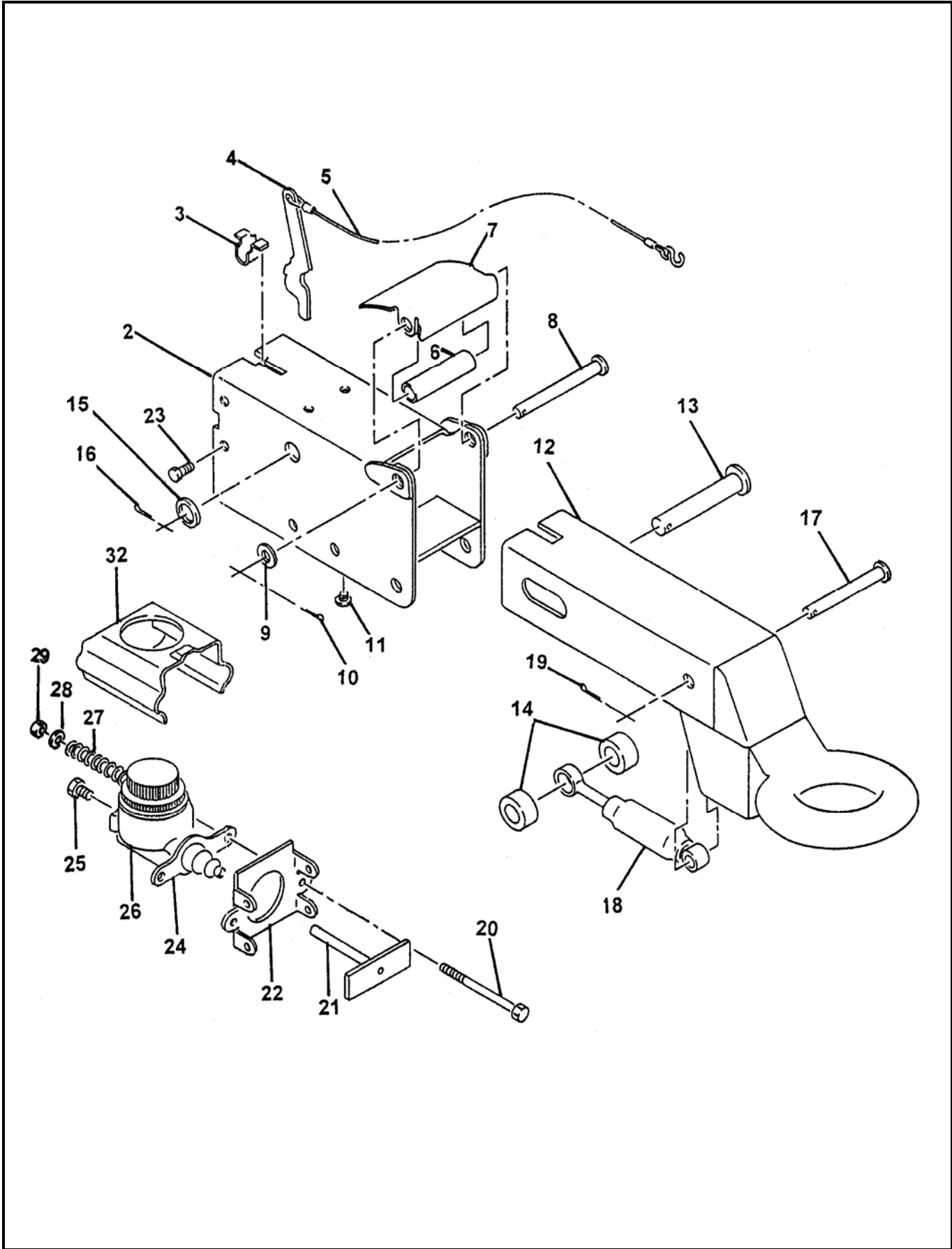
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	79020	Assembly, Optional Tool Kit (See Group 80, Figure 01 for NHA)	Ref
2	79037	• Kit, Wrench	1
3		• • Wrench, 1/2 Inch	1
4		• • Wrench, 7/16 Inch	1
5		• • Wrench, 3/8 Inch	1
6		• • Wrench, 9/16 Inch	1
7		• • Wrench, 5/8 Inch	1
8		• • Wrench, 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



SURGE BRAKES ASSEMBLY
WITH PINTLE HITCH-3" EYE

B50
PARTS
GROUP 80
FIGURE 08
PAGE 01



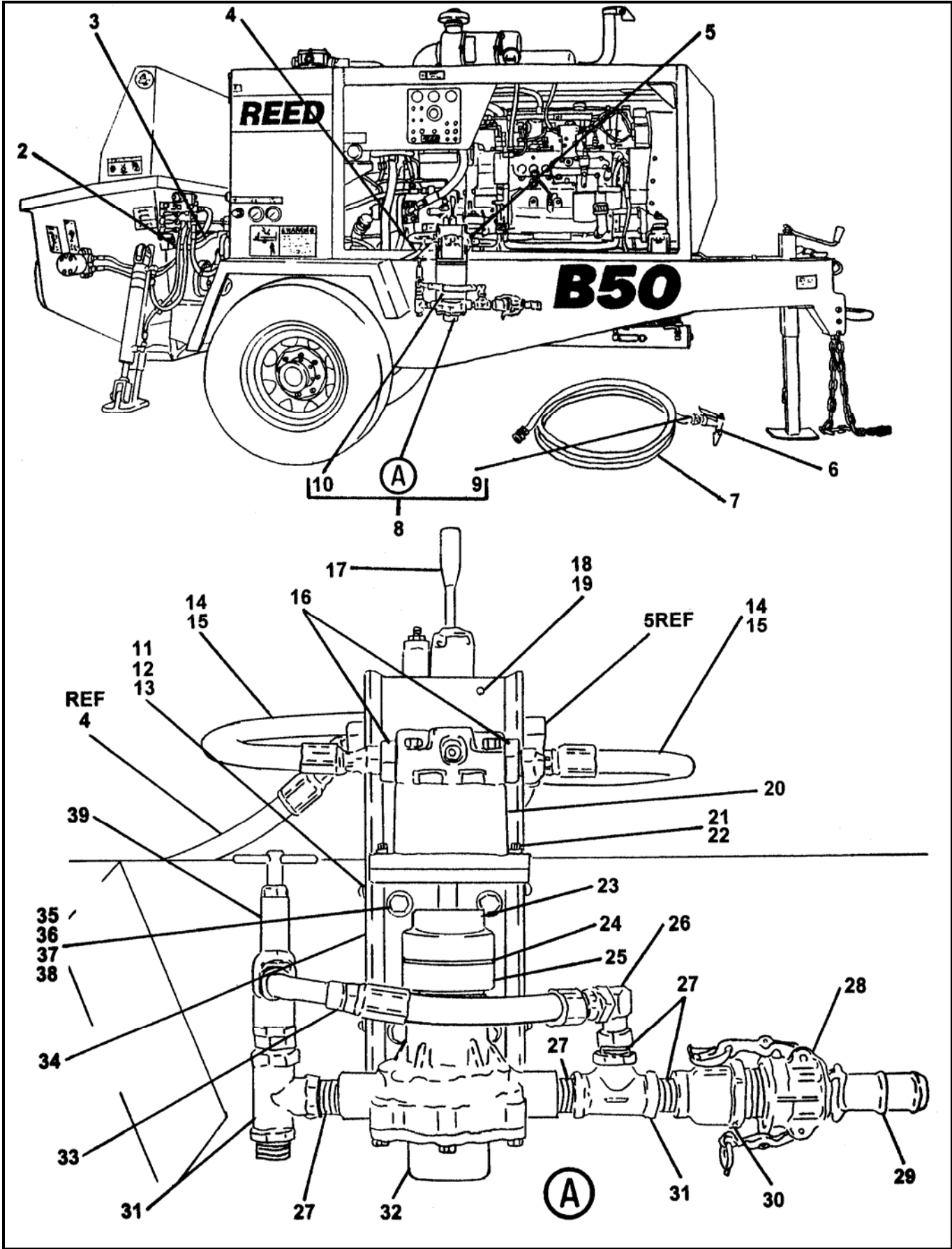
REVISION:

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	87602	Assembly, Surge Brakes-B20 Pintle Hitch (3" Eye) (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
-30	86915	• Actuator, Surge Brake-6000 LBS	1
-31	71051	• Eye-Lunette 3"	1
-32	71052	• Hydraulic Brake Kit-12" X 2"	1
-33	71030	• Torsion Spring-Brake Kit	1
-34	87601	• Bracket, Surge Brake Actuator Mounting	1
		DASH (-) ITEM NOT ILLUSTRATED	



WATER PUMP INSTALLATION

B50
PARTS
GROUP 80
FIGURE 09
PAGE 01



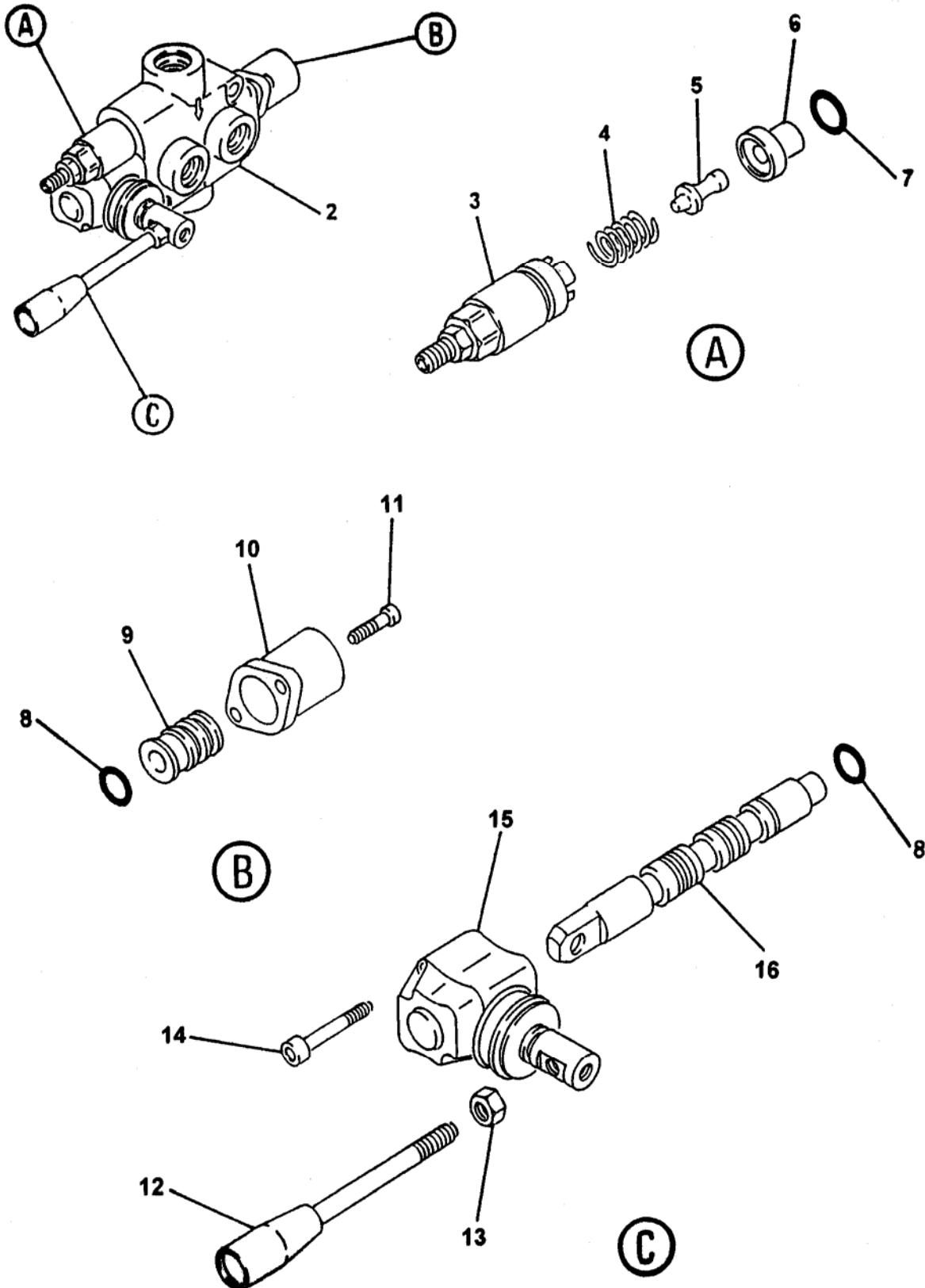
REVISION:

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

B50
PARTS
GROUP 80
FIGURE 10
PAGE 01





WATER PUMP CONTROL VALVE ASSEMBLY

B50
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

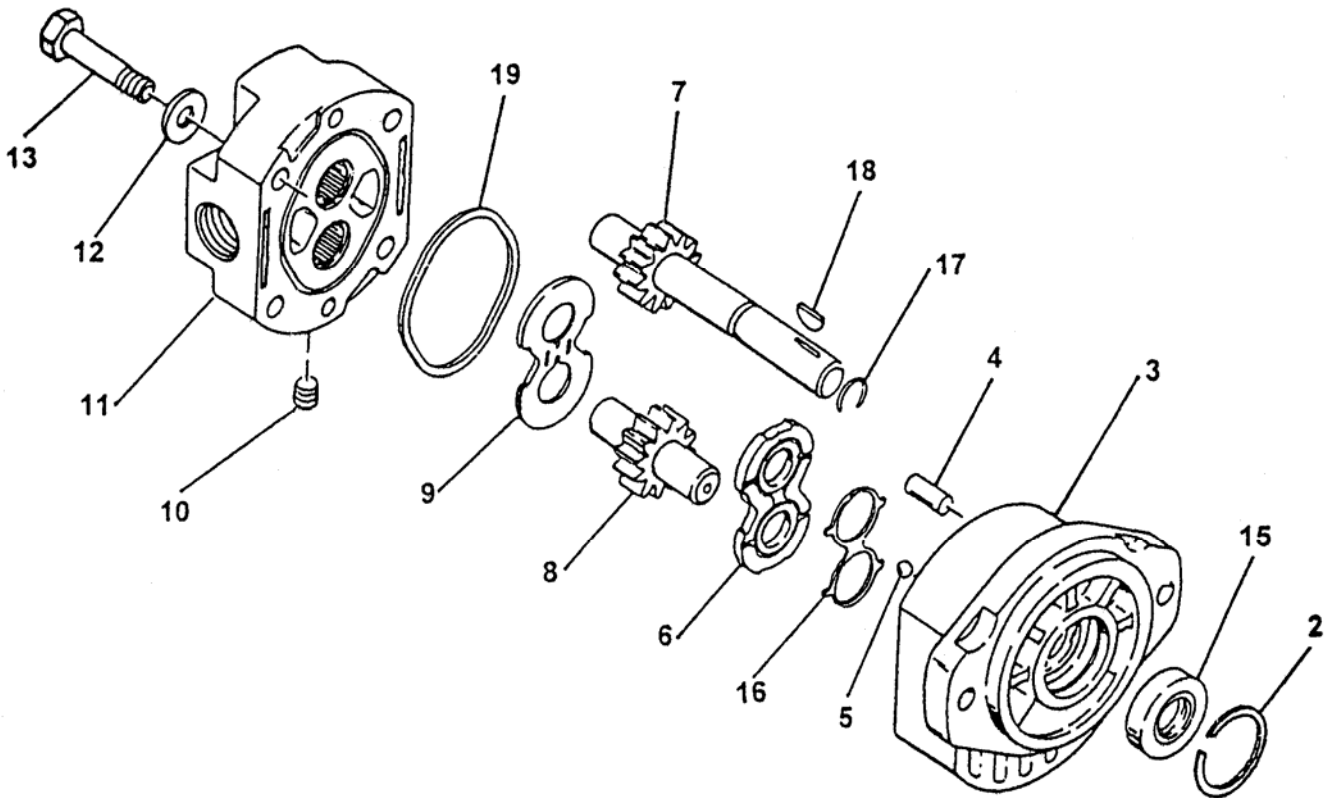
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



WATER PUMP MOTOR ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 11
PAGE 01



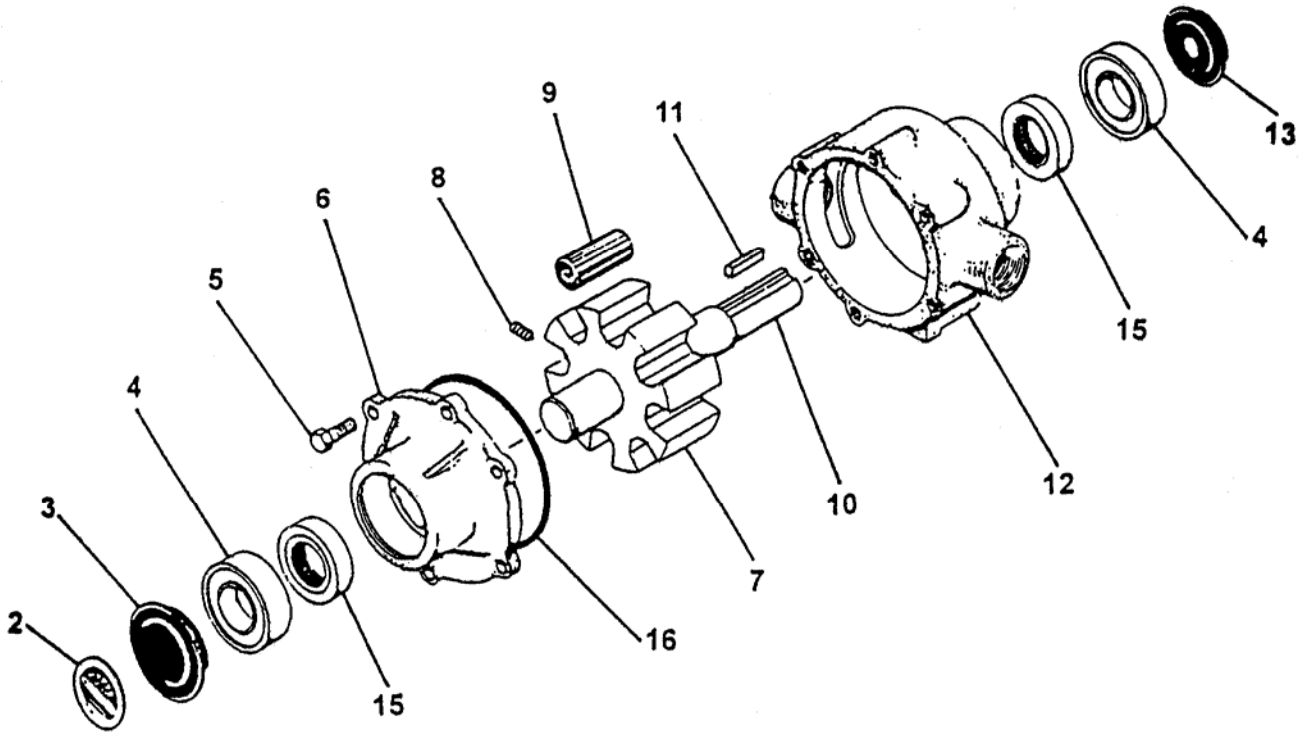
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	78152	Assembly, Wash Pump Motor (See Group 80, Figure 09 for NHA)	Ref
2		• Retainer	1
3		• Assembly, Body	1
4		• Pin, Dowel	2
5		• Bearing, Ball	2
6		• Plate, Wear	1
7		• Gear, Driven Wear	1
8		• Gear, Driven	1
9		• Plate, Thrust	1
10		• Plug, 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



WATER PUMP ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 12
PAGE 01



REVISION:

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**

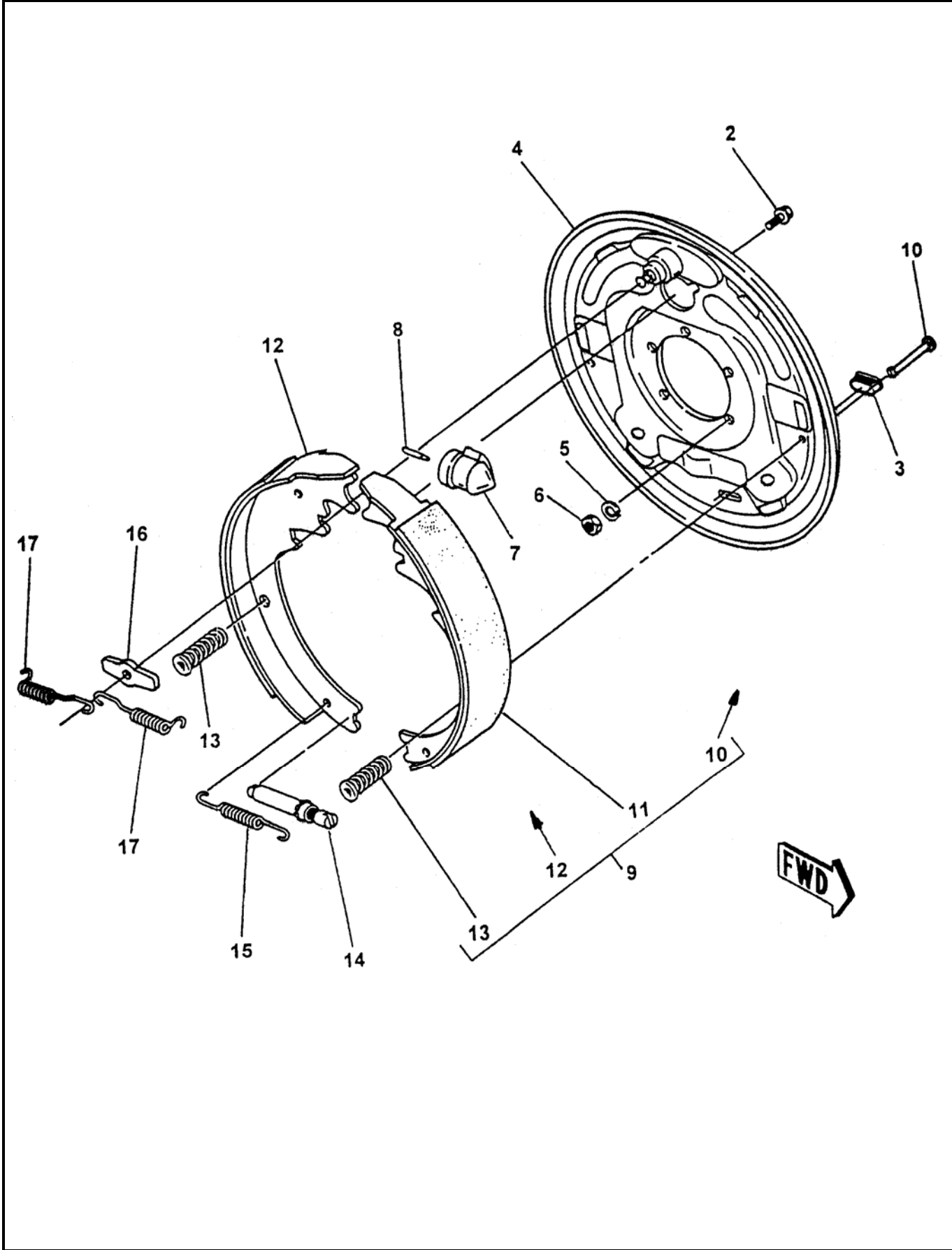
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-12	Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 01 for NHA)	Ref
2		• Screw, with Washer	1
3		• Plug	2
4		• Plate, Backing	1
5		• Washer, Lock (attaching parts)	5
6		• Nut, Brake Mounting (attaching parts)	5
7		• Cylinder, 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



OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 14
PAGE 01



REVISION:

**OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY**

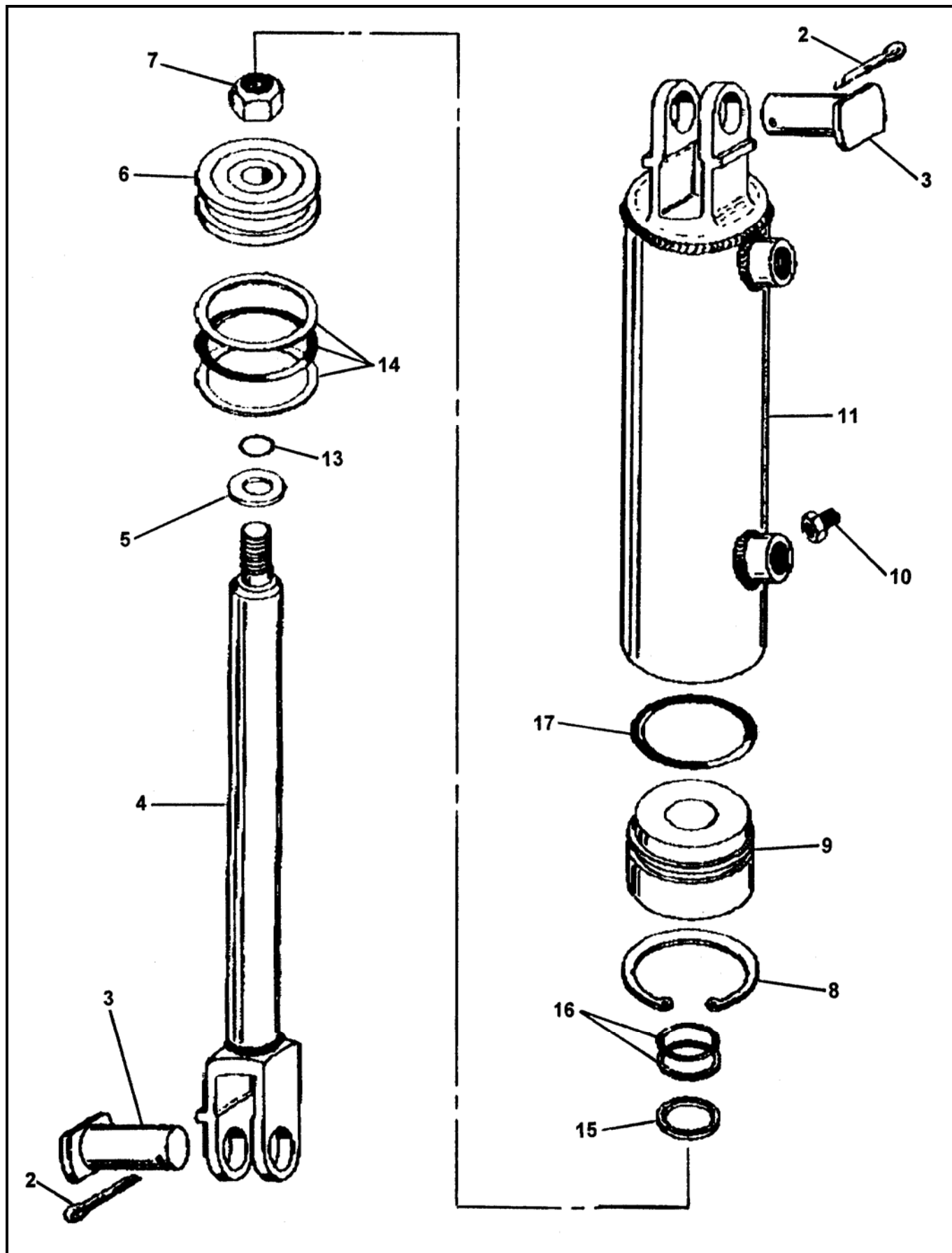
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-13	Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 01 for NHA)	Ref
2		• Screw, with Washer	1
3		• Plug	2
4		• Plate, Backing	1
5		• Washer, Lock (attaching parts)	5
6		• Nut, Brake Mounting (attaching parts)	5
7		• Cylinder, Operator 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



HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 15
PAGE 01



REVISION:



HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY

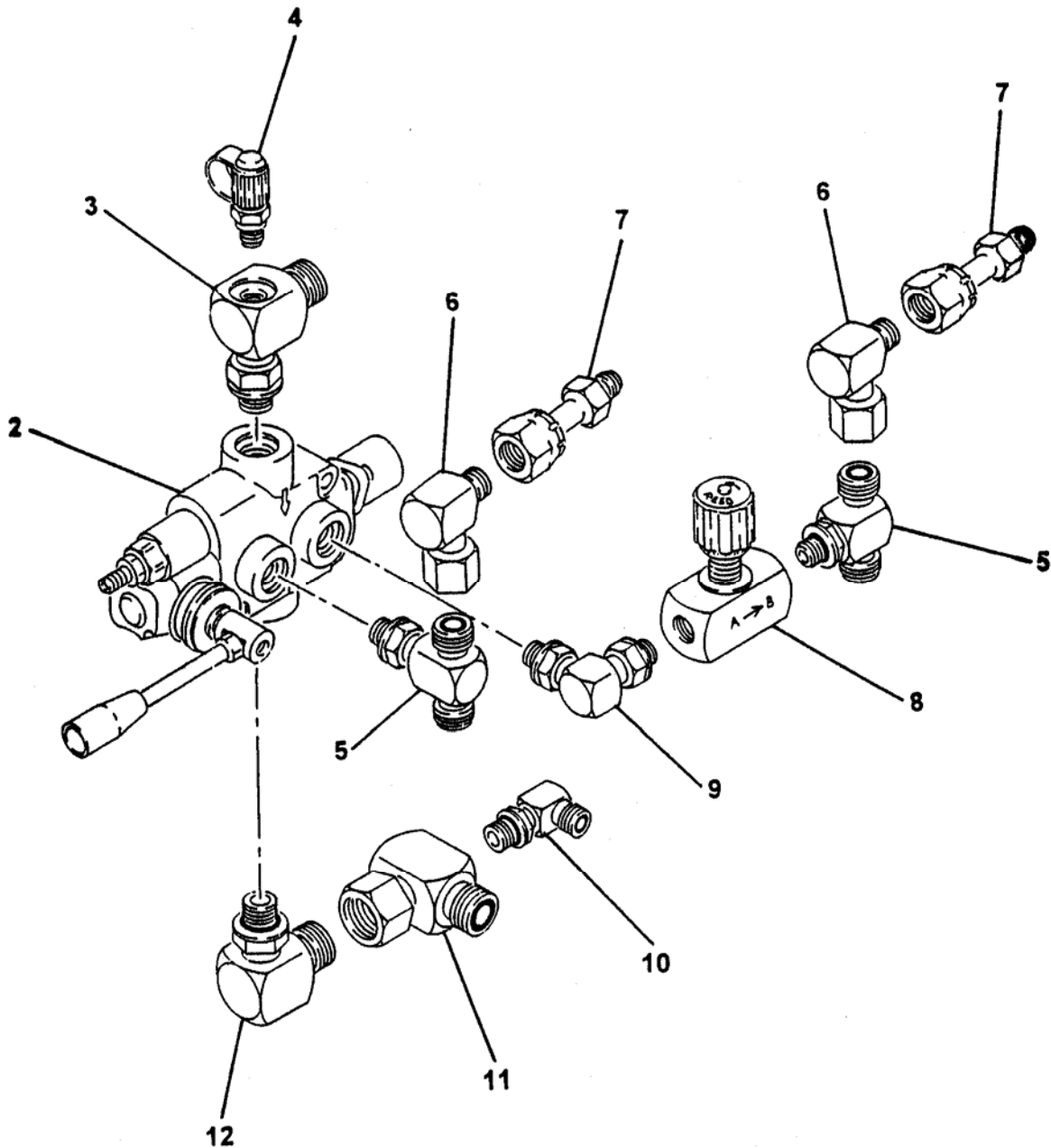
B50
PARTS
GROUP 80
FIGURE 15
PAGE 02

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86574	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	86574-SK	• 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

B50
PARTS
GROUP 80
FIGURE 16
PAGE 01





1 SPOOL CONTROL VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 16
PAGE 02

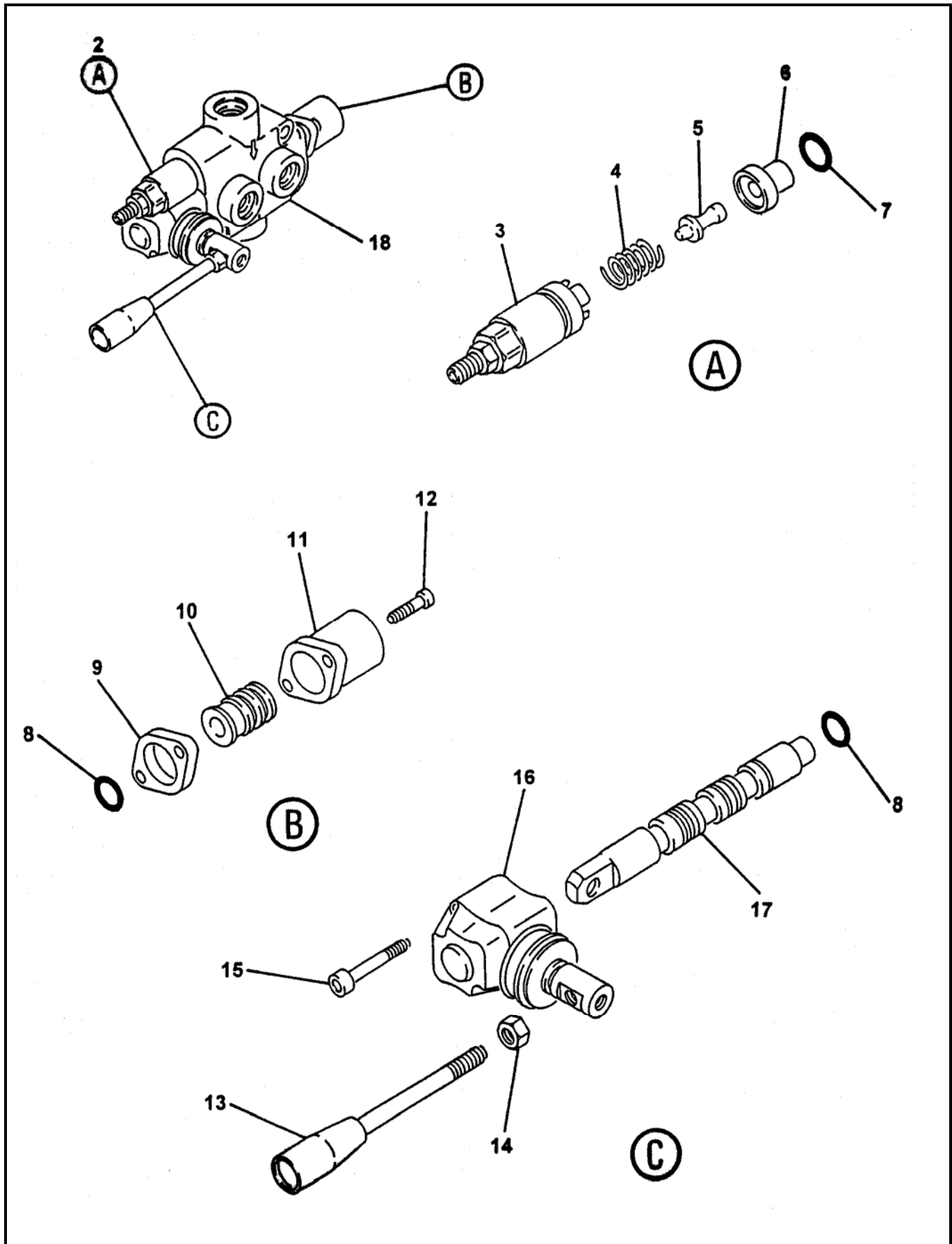
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-16	Assembly, 1 Spool Control Valve (See Group 80, Figure 01 for NHA)	Ref
2	74584	• Sub-Assembly, 1 Spool Control Valve (See Group 80, Figure 17 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Tee	2
6		• Fitting,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

B50
PARTS
GROUP 80
FIGURE 17
PAGE 01



REVISION:

**1 SPOOL CONTROL
VALVE SUB-ASSEMBLY**

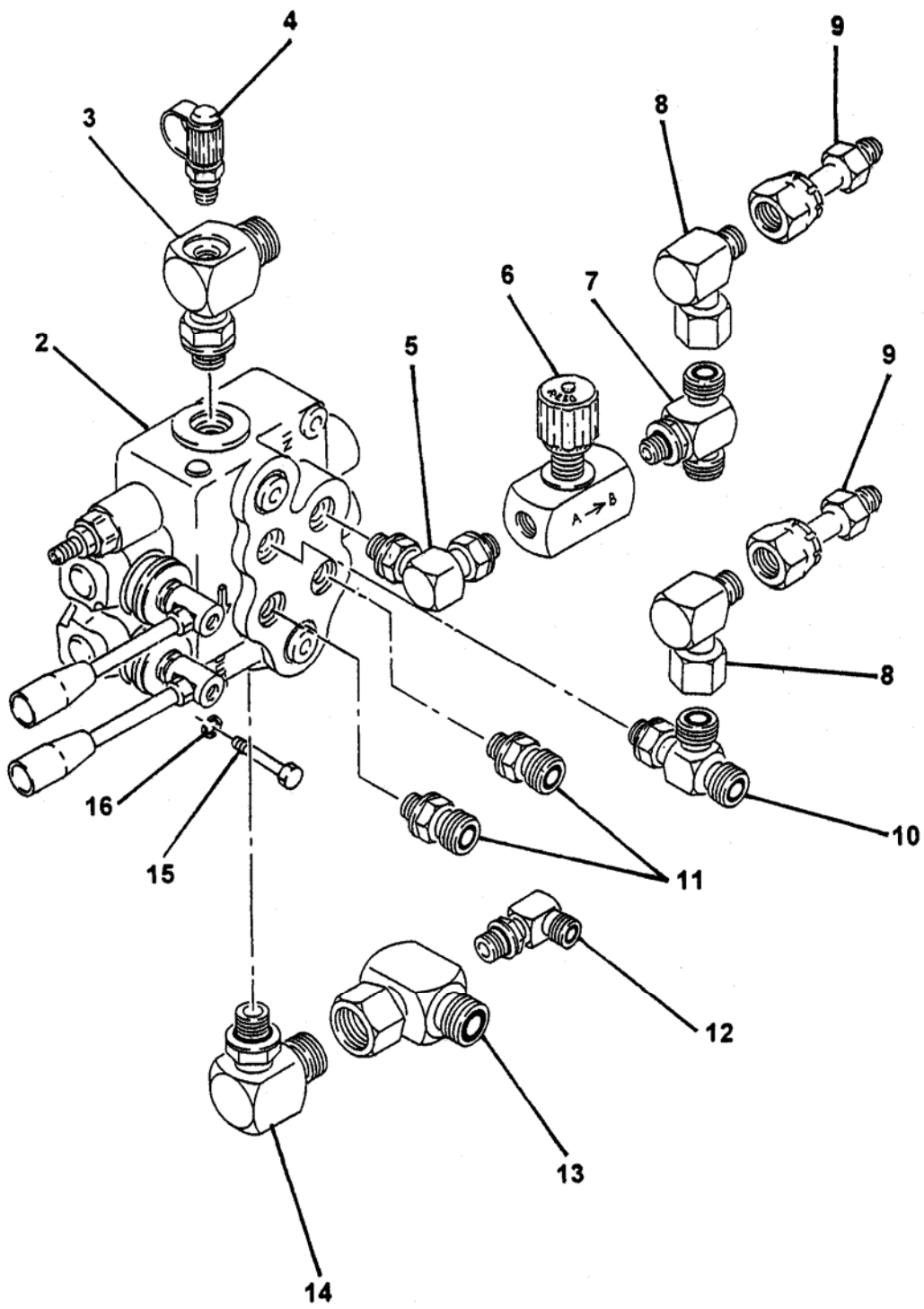
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	74584	Sub-Assembly, 1 Spool Control Valve (See Group 80, Figure 16 for NHA)	Ref
2	85706	• Cartridge, Relief	1
3		• • Kit, Screw	1
4		• • Spring	1
5		• • Pin, Screw Kit	1
6		• • Ring	1
7		• • O-Ring	1
8		• O-Ring	2
9		• Spacer	1
10		• Kit, Spool 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



2 SPOOL CONTROL
VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 18
PAGE 01



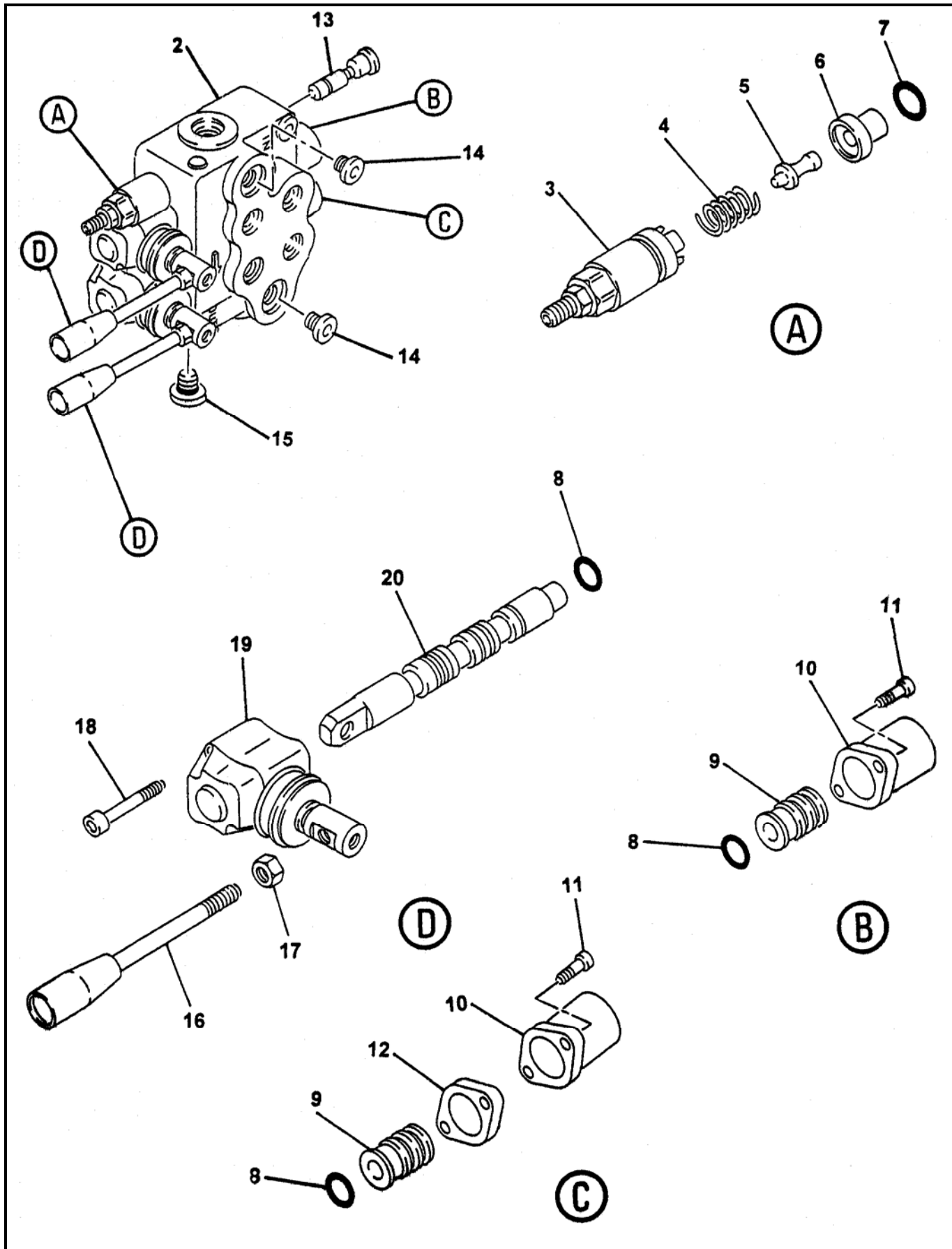
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-18	Assembly, 2 Spool Control Valve (See Group 80, Figure 01 for NHA)	Ref
2	74585	• Sub-Assembly, 2 Spool Control Valve (See Group 80, Figure 20 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Fitting, 90	1
6		• 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



2 SPOOL CONTROL VALVE SUB-ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 19
PAGE 01



REVISION:

**2 SPOOL CONTROL
VALVE SUB-ASSEMBLY**

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



TIRE & WHEEL ASSEMBLY - ALUMINUM

B50
PARTS
GROUP 80
FIGURE 20
PAGE 01





TIRE & WHEEL ASSEMBLY - ALUMINUM

B50
PARTS
GROUP 80
FIGURE 20
PAGE 02

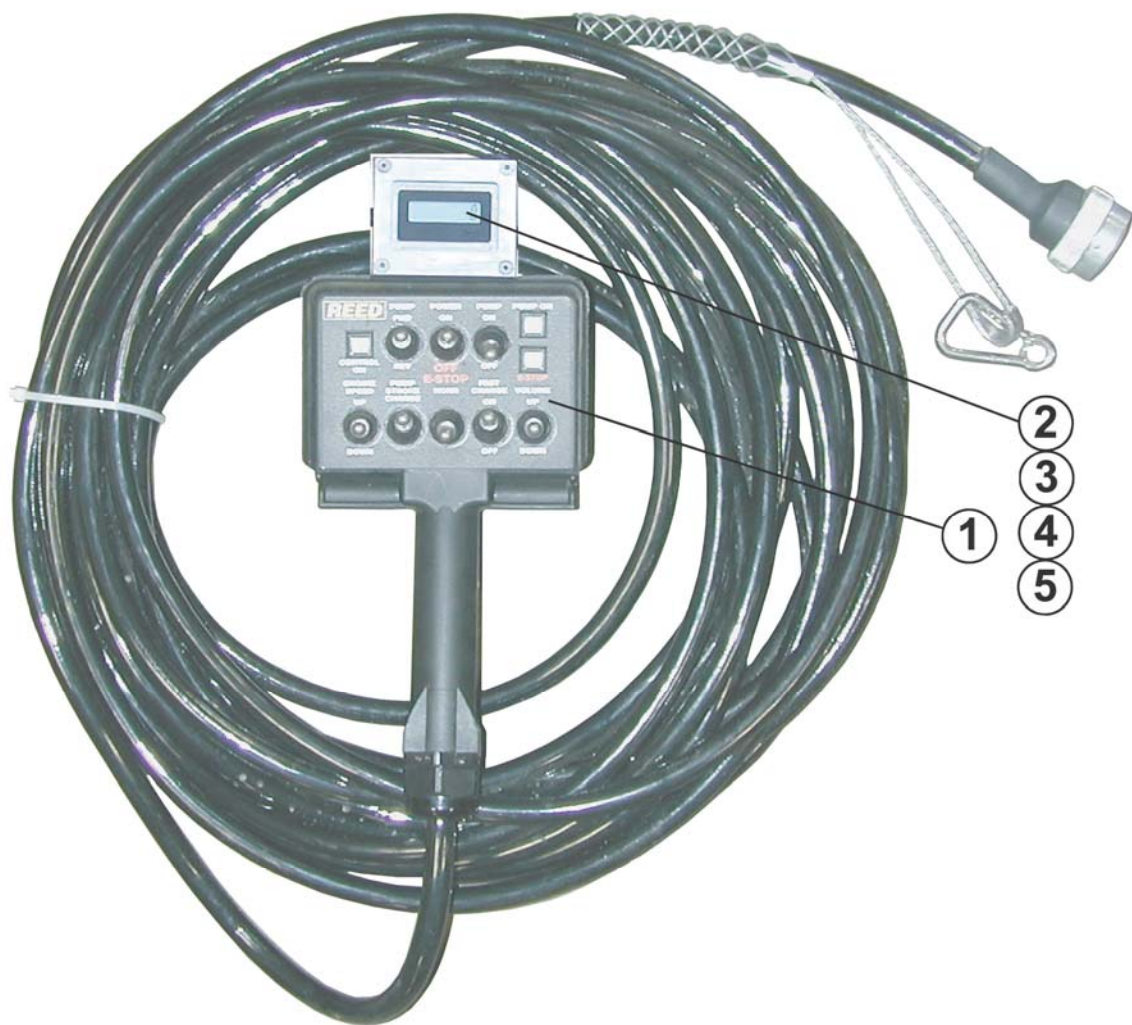
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	86923-1	Assembly, Tire & Wheel-Aluminum-215/75R17.5H (See Group 80, Figure 01 for NHA)	Ref
1	NPN	• Wheel-Aluminum	1
2	NPN	• Tire-215/75R17.5H	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



50 FEET STROKE COUNTER
CABLE REMOTE CONTROL ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 21
PAGE 01





50 FEET STROKE COUNTER CABLE REMOTE CONTROL ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 21
PAGE 02

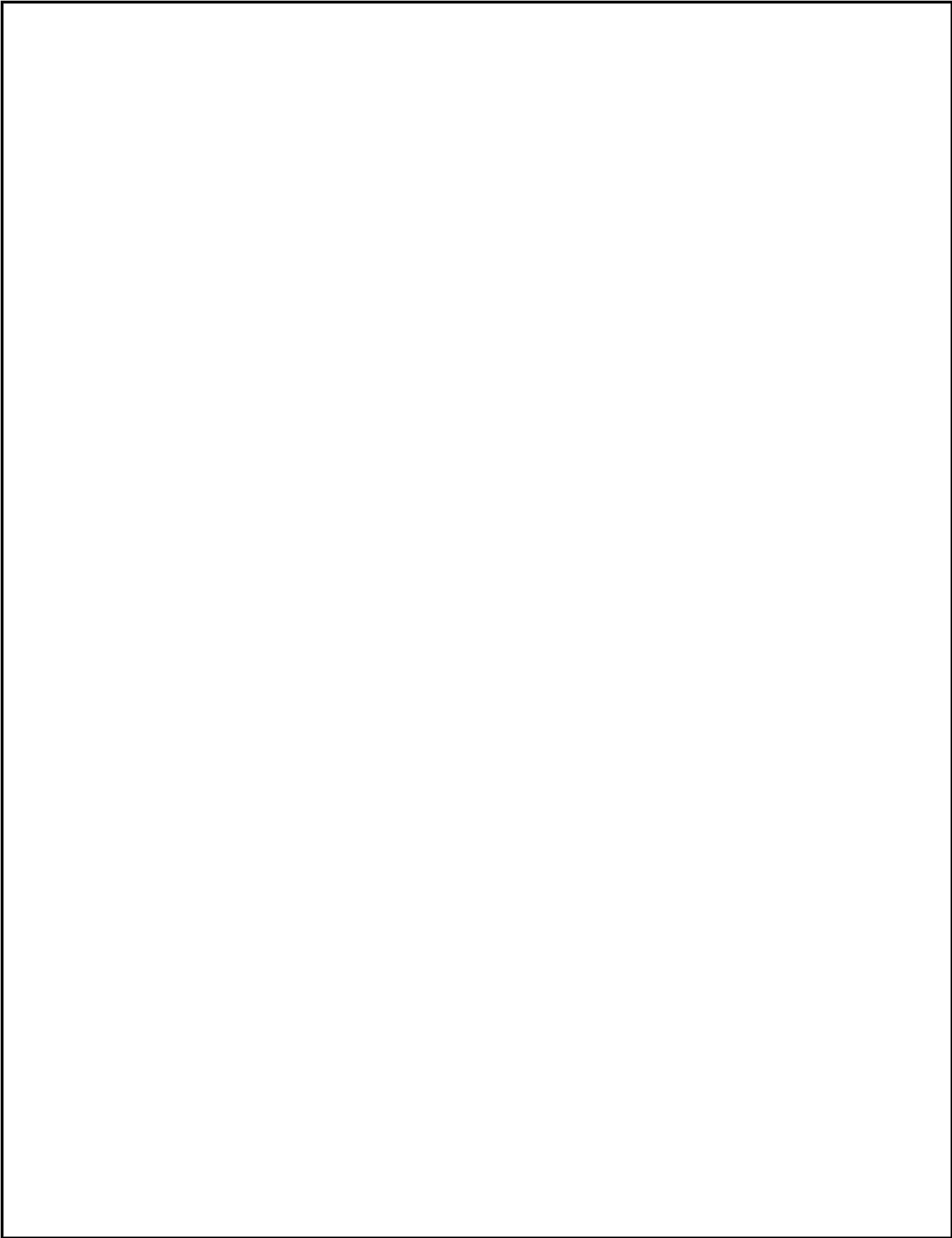
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	87753-1	Assembly, 50 Feet Cable Remote Control with Stroke Counter (See Group 80, Figure 01 for NHA)	Ref
1	87347-1	• Control, Remote Cable (50 Feet)	1
2	72330	• Counter, Stroke	1
3	74388	• Diode, Stroke Counter	2
4	87784	• Box, Machined	1
5	87785	• Cover, Box	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



OPEN
DO NOT USE

B50
PARTS
GROUP 80
FIGURE 00
PAGE 01



REVISION:



OPEN
DO NOT USE

B50
PARTS
GROUP 80
FIGURE 00
PAGE 02

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	NPN	Assembly, 100FT. Cable Remote Control with Stroke Counter (See Group 80, Figure 01 for NHA)	Ref
1	NPN	• Control, Remote Cable (100 Feet)	1
2	72330	• Counter, Stroke	1
3	74388	• Diode, Stroke Counter	2
4	87784	• Box, Machined	1
5	87785	• Cover, Box	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION: