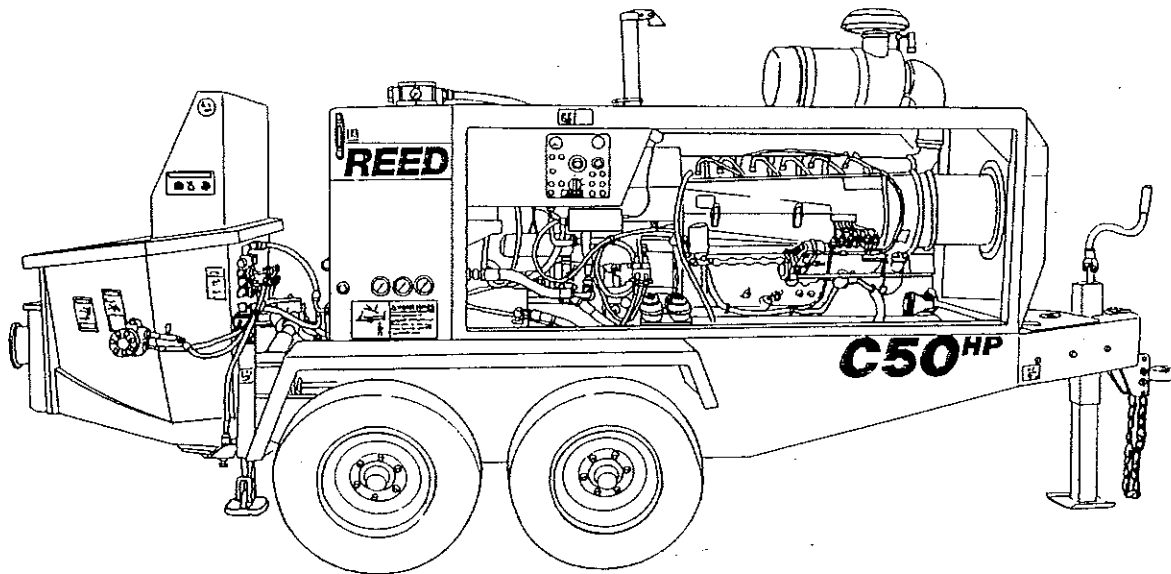


REED

TRAILER MOUNTED PUMP MODEL C50HP ILLUSTRATED PARTS MANUAL

C50HP
PARTS
GROUP 00
FIGURE 00
PAGE 01



REED TRAILER MOUNTED CONCRETE PUMP MODEL C50HP ILLUSTRATED PARTS MANUAL CONTAINS THE FOLLOWING GROUPS AND FIGURES:

GROUP 00 HOW TO USE PARTS MANUAL

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

GROUP 10 FINAL INSTALLATION

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

GROUP 20 HOPPER INSTALLATION

- FIGURE 00 TABLE OF CONTENTS
- FIGURE 01 HOPPER INSTALLATION
- FIGURE 02 SQUARE CLEAN OUT DOOR ASSEMBLY
- FIGURE 03 ROUNDED CLEAN OUT DOOR ASSEMBLY
- FIGURE 04 AGITATOR ASSEMBLY
- FIGURE 05 AGITATOR MOTOR ASSEMBLY
- FIGURE 06 AGITATOR/OUTRIGGER CONTROL VALVE ASSEMBLY
- FIGURE 07 AGITATOR/OUTRIGGERS CONTROL VALVE SUB-ASSEMBLY



TRAILER MOUNTED PUMP MODEL C50HP ILLUSTRATED PARTS MANUAL

C50HP
PARTS
GROUP 00
FIGURE 00
PAGE 02

GROUP 30 TANK INSTALLATION

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

GROUP 40 POWER TRAIN INSTALLATION

FIGURE 00	TABLE OF CONTENTS
FIGURE 01	POWER TRAIN INSTALLATION
FIGURE 02	POWER TRAIN ASSEMBLY
FIGURE 03	DOUBLE AUXILIARY PUMP ASSEMBLY
FIGURE 04	SINGLE AUXILIARY PUMP ASSEMBLY (OPTIONAL)
FIGURE 06	HOT OIL SHUTTLE ASSEMBLY
FIGURE 06	MAIN HYDRAULIC PUMP ASSEMBLY
FIGURE 07	BATTERY MOUNTING ASSEMBLY

GROUP 50 CONTROLS INSTALLATION

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

GROUP 60 PUMPING TRAIN INSTALLATION

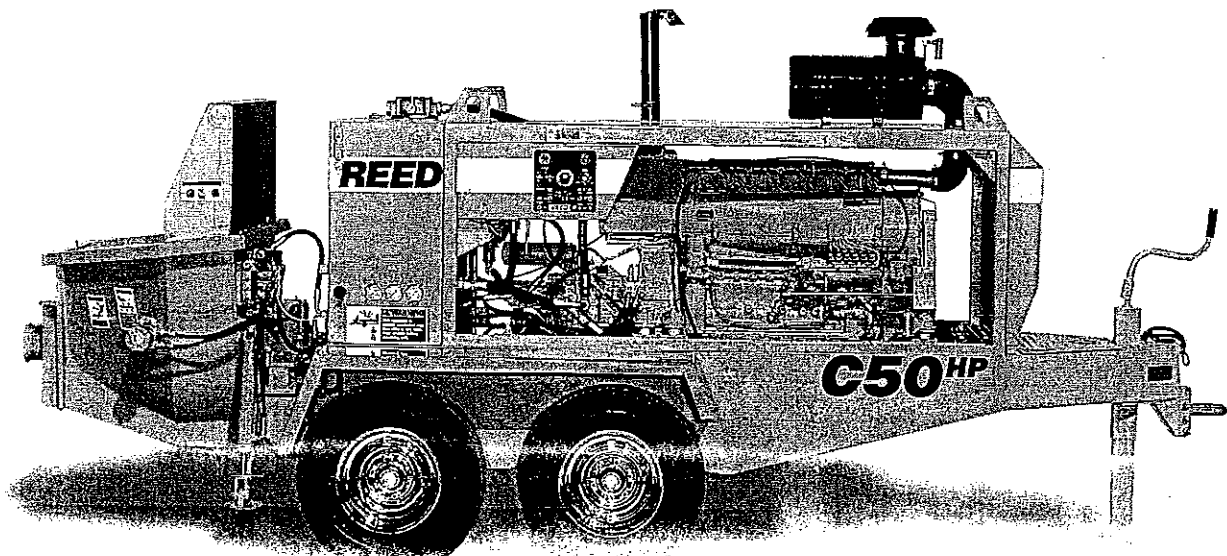
FIGURE 00	TABLE OF CONTENTS
FIGURE 01	PUMPING TRAIN INSTALLATION
FIGURE 02	SWING VALVE ASSEMBLY
FIGURE 03	SWING RAM CYLINDER SUB-ASSEMBLY
FIGURE 04	CONCRETE CYLINDER ASSEMBLY
FIGURE 05	FLUSHBOX ASSEMBLY
FIGURE 06	HYDRAULIC DRIVE CYLINDER ASSEMBLY
FIGURE 07	HYDRAULIC DRIVE CYLINDER SUB-ASSEMBLY

GROUP 70 FRAME INSTALLATION

- FIGURE 00 TABLE OF CONTENTS
- FIGURE 01 FRAME INSTALLATION
- FIGURE 02 HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY
- FIGURE 03 HUB AND BRAKE ASSEMBLY
- FIGURE 04 NON-OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY
- FIGURE 05 OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

GROUP 80 OPTIONAL INSTALLATION

- FIGURE 00 TABLE OF CONTENTS
- FIGURE 01 OPTIONAL INSTALLATION
- FIGURE 02 LUBE SYSTEM ASSEMBLY
- FIGURE 03 12 VOLT LUBE PUMP ASSEMBLY
- FIGURE 04 HOPPER VIBRATOR ASSEMBLY
- FIGURE 05 CHROME WHEEL ASSEMBLY
- FIGURE 06 CHROME WHEEL HUB AND BRAKE ASSEMBLY
- FIGURE 07 OPTIONAL TOOL KIT ASSEMBLY
- FIGURE 08 ACTUATOR BRAKES ASSEMBLY
- FIGURE 09 WASH PUMP ASSEMBLY
- FIGURE 10 WASH WATER PUMP ASSEMBLY
- FIGURE 11 WASH PUMP MOTOR ASSEMBLY
- FIGURE 12 ACCUMULATOR CHARGE KIT
- FIGURE 13 NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 14 OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 15 1 SPOOL VALVE ASSEMBLY
- FIGURE 16 1 SPOOL VALVE SUB-ASSEMBLY
- FIGURE 17 2 SPOOL VALVE ASSEMBLY
- FIGURE 18 2 SPOOL VALVE SUB-ASSEMBLY



REED**TRAILER MOUNTED PUMP MODEL C50HP
HOW TO USE PARTS MANUAL****C50HP
PARTS
GROUP 00
FIGURE 00
PAGE 00****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 **C50HP**. 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 C50HP 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.



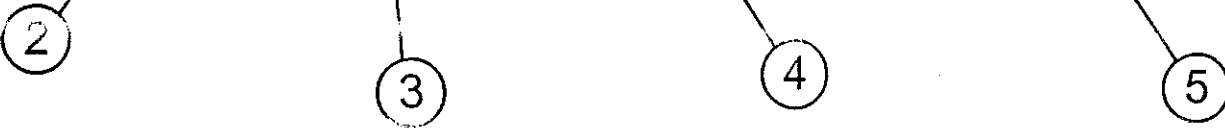
HYDRAULIC PUMPING ASSEMBLY

C50HP
PARTS
GROUP 60
FIGURE 06
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
-1	60-06	Assembly, Hydraulic Pumping (See Group 20, Figure 01 for NHA)	Ret
2	78354	• Cup, Piston	2
3	78444	• Coupler	2
4	78352	• Coupling, Dog bone	4
5		• Bolt 1/2 x 4 (attaching parts)	8
6		• Nut, 1/2 (attaching parts)	8
7	78443	• Bone, Dog	2
8		• Bolt 5/8 x 2	6
9	78442	• Coupler	2
10	78438	• Assembly, Hydraulic Cylinder (See Group 60, Figure 07 for DET)	1
11		• Nut (attaching parts)	16
12		• Washer (attaching parts)	16
13	77617	• Bolt (attaching parts)	16
14		• Elbow, 90 FS6802-16-16	4
15	79343	• Assembly, Hose	2
16	78593	• Fitting, MiniCheck (Port)	2
17		• Elbow, 90 FS6802-06-06	4
18		• Fitting, STR FS6-001-06-06	4
19	79344	• Assembly, Hose	2
20		• Elbow, 90 FS6801-06-06	4
21		• Valve, Check	4
22		• Elbow, 90 MBM/B90-06-06	4
23		• Clamp	3
24	79326	• Tube, Wire	1
25	79345	• Assembly, Tube	2
26	78417	• Cable	2
27	72010	• Loom, 1/2 Flex	AJR
28		• Pin, 1/4 x 20	4
29	79285	• Cover, Proximity Switch	2
30	78416	• Switch, Proximity	2
31	79327	• Plate, End	1
32		• Washer, 1 Lock (attaching parts)	8
33		• Bolt, 1 x 2 Coarse (attaching parts)	8

DASH (-) ITEM NOT ILLUSTRATED

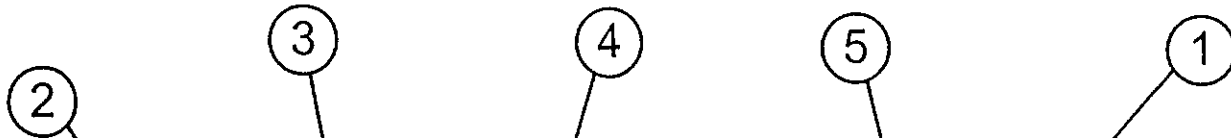
REVISION:



REED

TRAILER MOUNTED PUMP MODEL C50HP HOW TO USE PARTS MANUAL

C50HP
PARTS
GROUP 00
FIGURE 01
PAGE 03



REED
CONCRETE PLACING
EQUIPMENT

HYDRAULIC PUMPING ASSEMBLY

C50HP
PARTS
GROUP 60
FIGURE 06
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
-1	60-06	Assembly, Hydraulic Pumping (See Group 20, Figure 01 for NHA)	Rel
2	78354	* Cup, Piston	2
3	78444	* Coupler	2
4	78352	* Coupling, Dog bone	4
5		* Bolt 1/2 x 4 (attaching parts)	8
6		* Nut, 1/2 (attaching parts)	8
7	78443	* Bone, Dog	2
8		* Bolt 5/8 x 2	6
9	78442	* Coupler	2
10	78438	* Assembly, Hydraulic Cylinder (See Group 60, Figure 07 for DET)	1
11		* Nut (attaching parts)	16
12		* Washer (attaching parts)	16
13	77617	* Bolt (attaching parts)	16
14		* Elbow, 90 FS6802-16-16	4
15	79343	* Assembly, Hose	2
16	78393	* Fitting, MiniCheck (Port)	2
17		* Elbow, 90 FS6802-06-06	4
18		* Fitting, STR FS6400-06-06	4
19	79344	* Assembly, Hose	2
20		* Elbow, 90 FS6801-06-06	4
21		* Valve, Check	4
22		* Elbow, 90 MBMB90-06-06	4
23		* Clamp	3
24	79326	* Tube, Wire	1
25	79345	* Assembly, Tube	2
26	78417	* Cable	2
27	72010	* Loom, 1/2 Flex	A/R
28		* Pin, 1/4 x 20	4
29	79285	* Cover, Proximity Switch	2
30	78416	* Switch, Proximity	2
31	79327	* Plate, End	1
32		* Washer, 1 Lock (attaching parts)	8
33		* Bolt, 1 x 2 Course (attaching parts)	8

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REVISION:



TRAILER MOUNTED PUMP MODEL C50HP HOW TO USE PARTS MANUAL

C50HP
PARTS
GROUP 00
FIGURE 01
PAGE 04

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 20, Figure 01 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 (_____)

REED

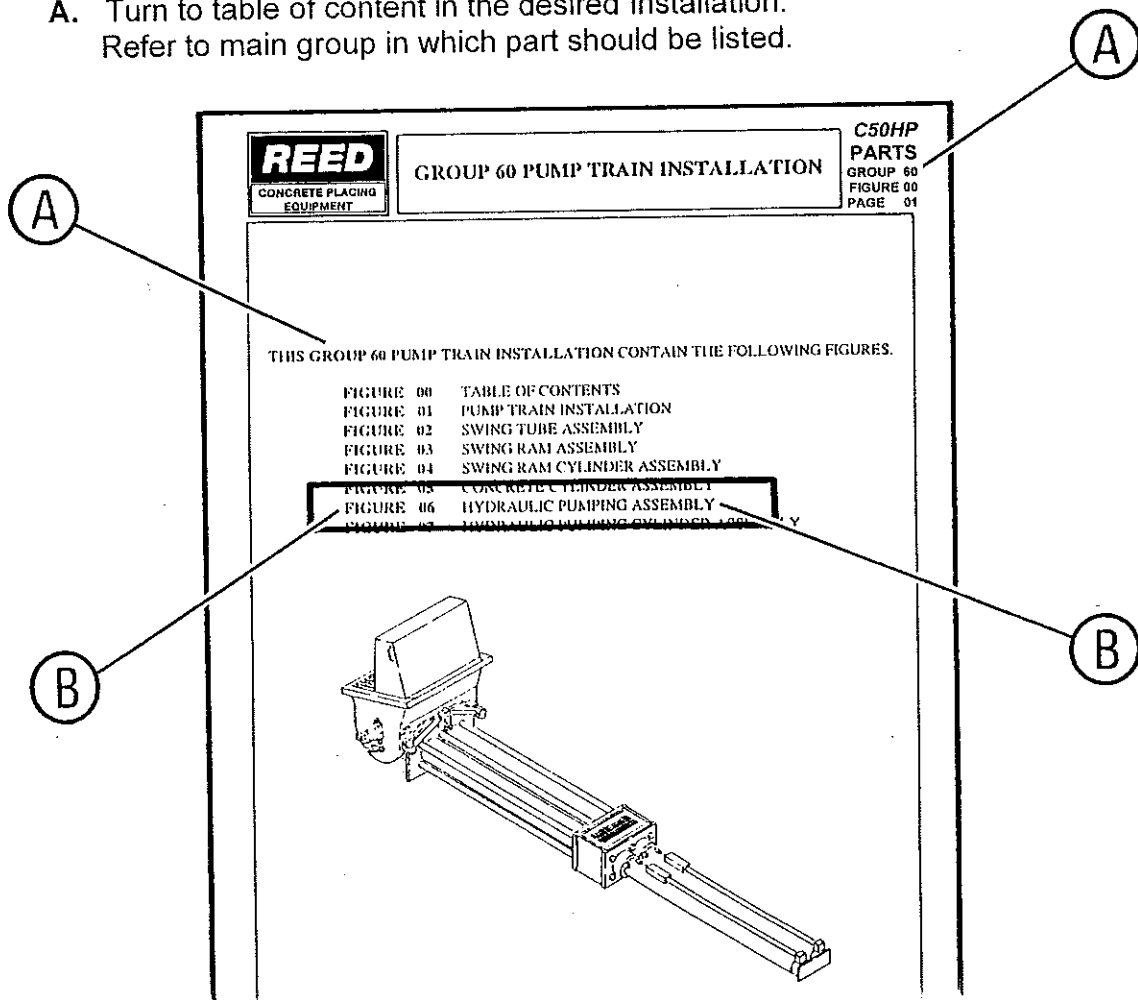
TRAILER MOUNTED PUMP MODEL C50HP HOW TO ORDER PARTS

C50HP
PARTS
GROUP 00
FIGURE 02
PAGE 01

1. Always give serial number and model of **REED** trailer mounted concrete pump **C50HP**. (Refer to each unit name plate shown below). NOTE: This manual is being released to cover unit starting with serial number **3-99-1-1611** 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 90710 USA	PHONE (909) 364-2100 FAX (909) 364-2140	CE
MODEL <input type="text"/>	SERIAL NO. <input type="text"/>	
HYD. PRESSURE <input type="text"/>	PSI <input type="text"/>	BAR <input type="text"/>
ELECTRIC MOTOR/ ENGINE SPEED <input type="text"/>	RPM <input type="text"/>	VOLTS <input type="text"/>
VEHICLE WEIGHT (APPROX.) <input type="text"/>	LBS <input type="text"/>	KG <input type="text"/>
75059A		

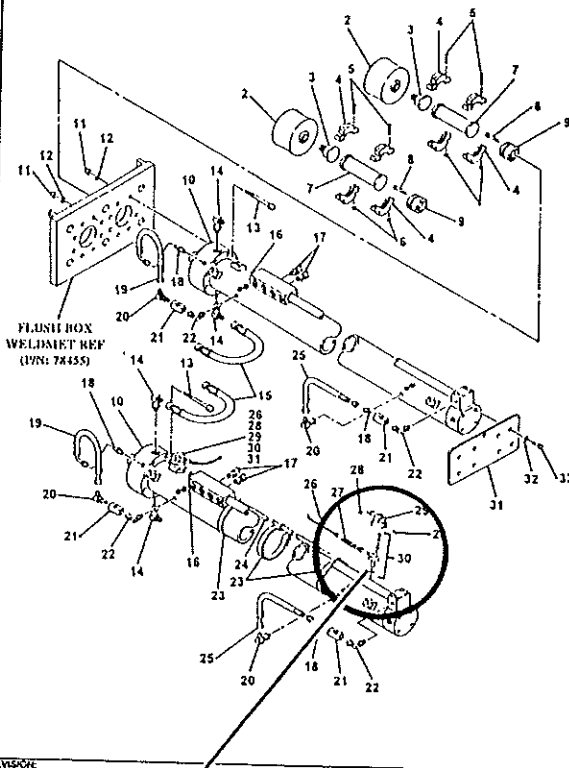
2. Always specify part number and complete name of parts ordered.
 - A. Turn to table of content in the desired Installation.
Refer to main group in which part should be listed.



REED
CONCRETE PLACING
EQUIPMENT

HYDRAULIC PUMPING ASSEMBLY

C50HP
PARTS
GROUP 00
FIGURE 00
PAGE 01



REVISION:

REED
CONCRETE PLACING
EQUIPMENT

HYDRAULIC PUMPING ASSEMBLY

C50HP
PARTS
GROUP 00
FIGURE 00
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
1	6616	Assembly, Hydraulic Pump (See Group 20, Figure 1 for NHA)	Set
2	78154	* Cap, Piston	2
3	78414	* Coupler	2
4	78352	* Coupling, Drive	4
5		* Bolt, 1/2 x 4 (attaching parts)	8
6		* Nut, 1/2 (attaching parts)	8
7	78411	* Bone, Plug	2
8		* Bolt, 5/8 x 2	6
9	78412	* Coupler	2
10	78418	* Assembly, Hydraulic Cylinder (See Group 10, Figure 07 for DET)	1
11		* Nut (attaching parts)	16
12		* Washer, Locking parts	16
13	78617	* Bolt, Locking parts	16
14		* Elbow, 1/2 (FS0012-16-16)	4
15	79143	* Assy, Dr. Hose	2
16	78591	* Filter, MiniCheck (Flow)	2
17		* Filter, 50 (FS6012-16-16)	4
18		* Filter, STR13600 (Flow)	4
19	79144	* Assy, Hose	2
20		* Assy, 90 (FS0012-16-16)	4
21		* Valve, Check	4
22		* Hose, 90 (HUM0016-16)	4
23		* Clamp	3
24	79126	* Tube, Wire	1
25	79145	* Assembly, Tube	2
26	78417	* Cable	2
27	72010	* Lawn, 1/2 Flex	NR
28		* Pin, 1/4 x 20	4
29	79283	* Cover, Proximity Switch	2
30	78416	* Switch, Proximity	2
31	78415	* Switch, Proximity	2
32		* Washer, Lock (attaching parts)	8
33		* Bolt, 1 x 2 (attaching parts)	8

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

- B. Find title of figure in which the part should be shown. Note figure number.
- C. Turn to corresponding page, find the group and figure.
- D. Check your required part and its attaching parts and match with illustration page.
- E. Refer to corresponding item number in the part list page. Part numbers are located in the part number column.
- F. When ordering variable or optional miscellaneous parts which are not found this in parts chapter, follow the above outlined procedure of how to order parts.
 - 1). When applicable, give model and serial number of the component for which the part is ordered.
 - 2). In a specific, difficult to describe situation, a marked-up photograph or detailed sketch would be helpful.

REVISION:

REED

TRAILER MOUNTED PUMP MODEL C50HP HOW TO ORDER PARTS

C50HP
PARTS
GROUP 00
FIGURE 02
PAGE 03

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

5. TO ORDER

A. BY MAIL

Attention: Parts Department

REED

13822 Oaks Avenue
Chino, CA. 91710 - 7008

B. BY FAX

(909) 364 - 2141

C. BY PHONE

(909) 364 - 2100

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

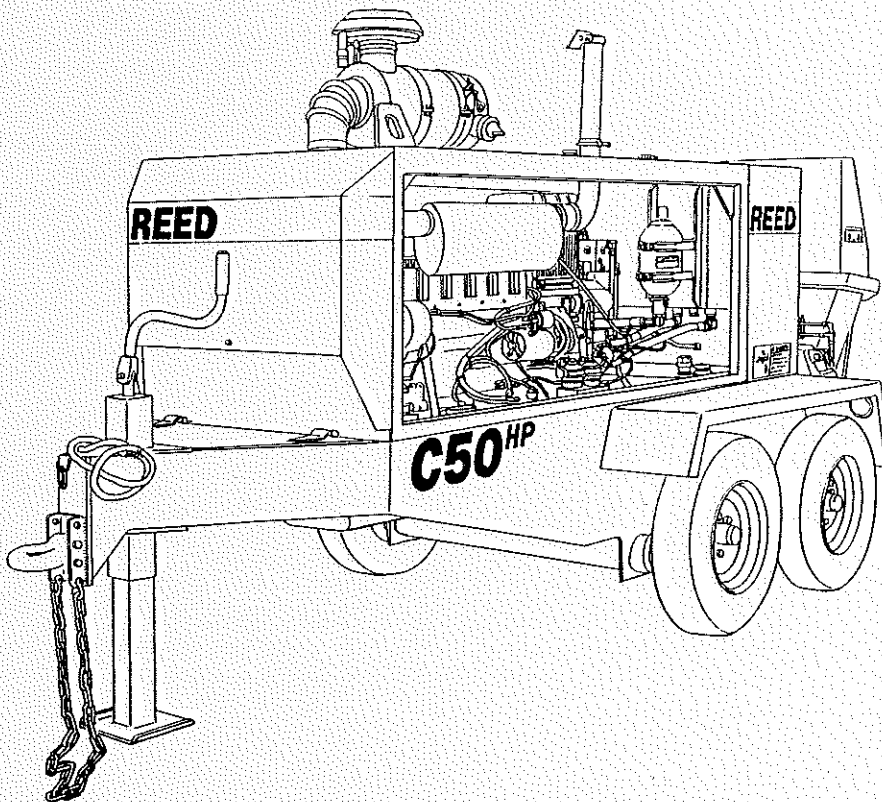
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TRAILER MOUNTED PUMP MODEL C50HP GROUP 10 FINAL INSTALLATION

C50HP
PARTS
GROUP 10
FIGURE 00
PAGE 01

REED TRAILER MOUNTED CONCRETE PUMP MODEL **C50HP** ILLUSTRATED PARTS MANUAL GROUP 10 FINAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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

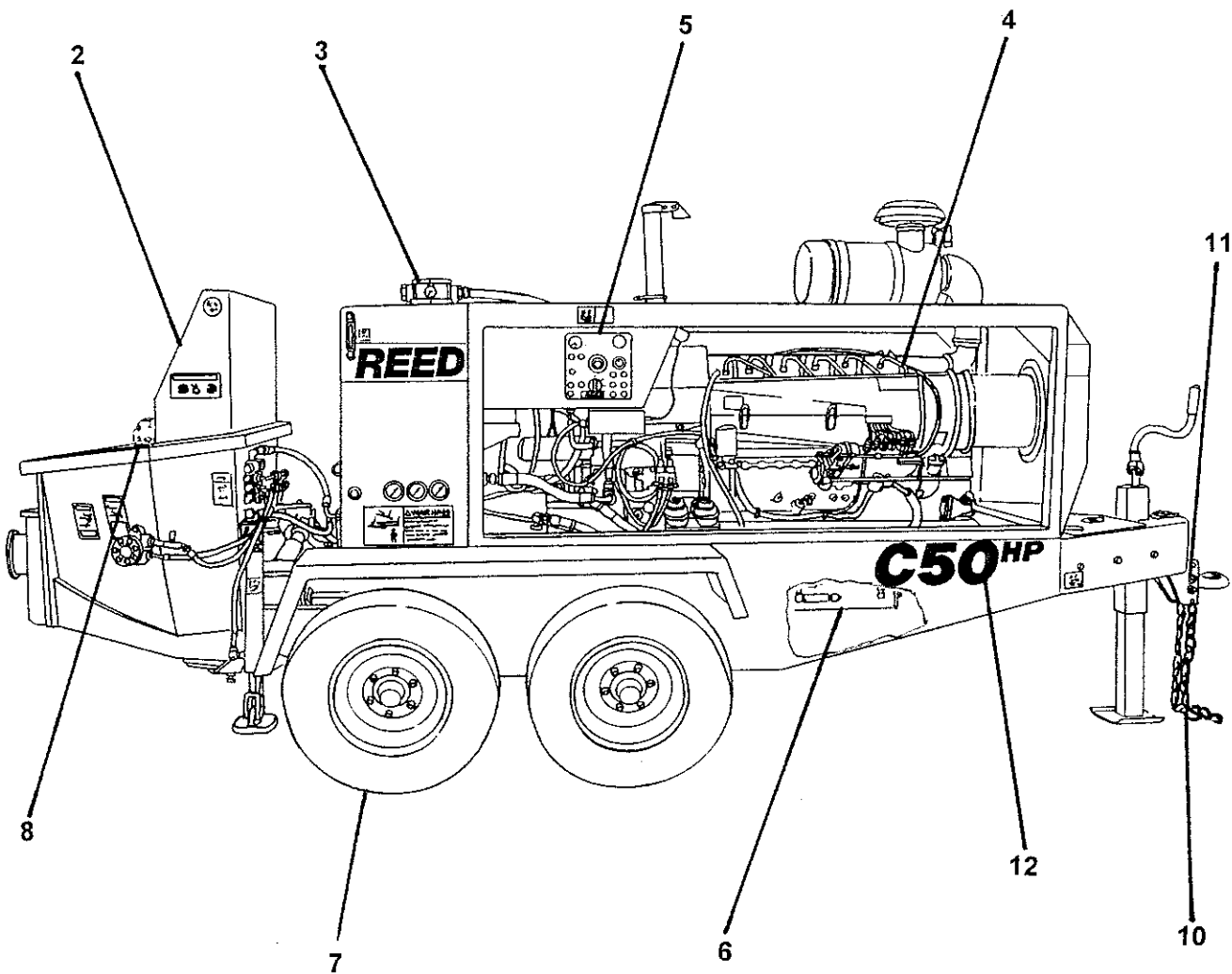


REVISION:



FINAL INSTALLATION

C50HP
PARTS
GROUP 10
FIGURE 01
PAGE 01



REVISION:

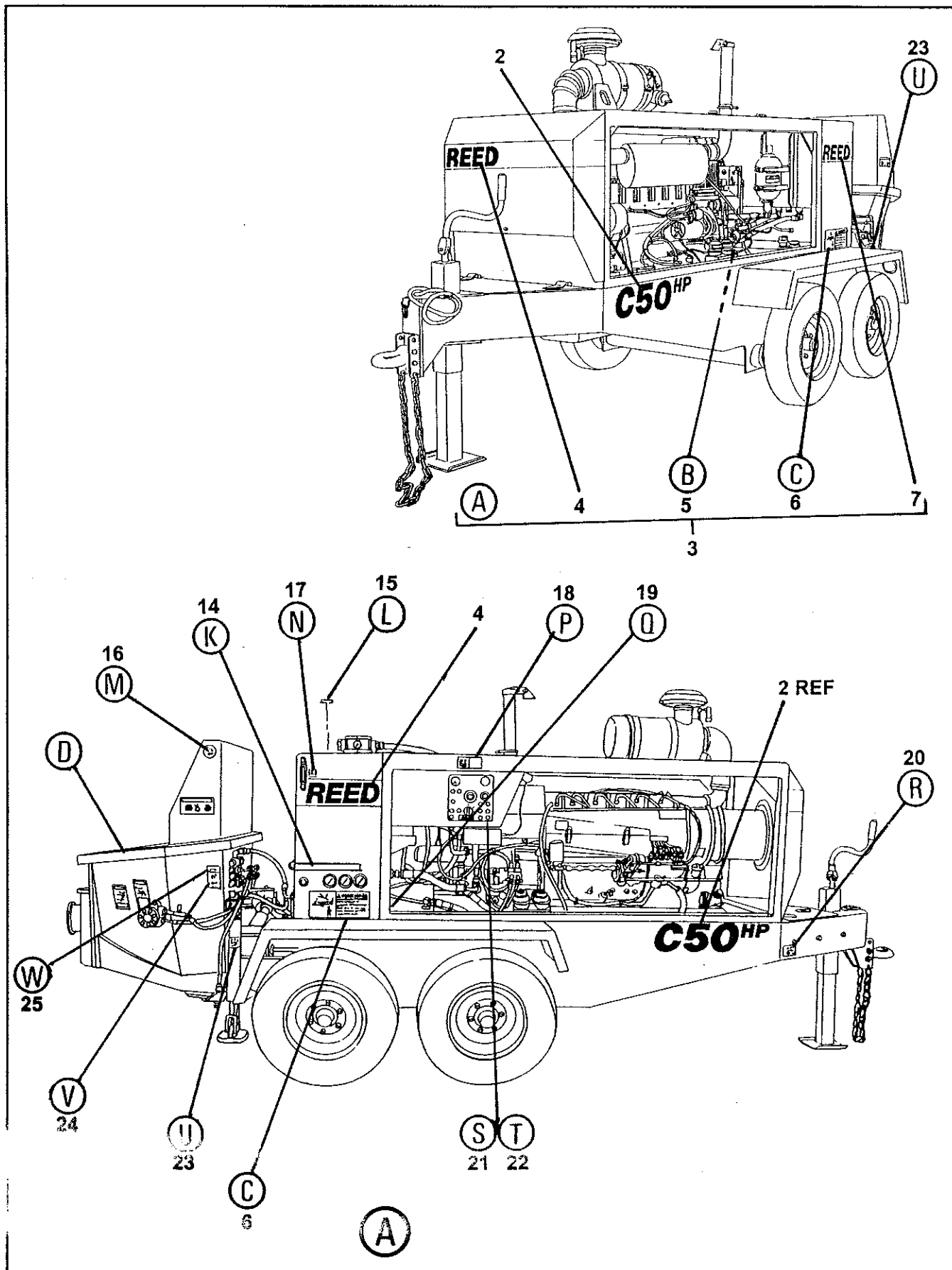
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	7410	Installation, C50HP Final					Ref
2	20-01	• Installation, Hopper (See Group 20, Figure 01 for DET)					1
3	30-01	• Installation, Tank (See Group 30, Figure 01 for DET)					1
4	40-01	• Installation, Power Train (See Group 40, Figure 01 for DET)					1
5	50-01	• Installation, Control (See Group 50, Figure 01 for DET)					1
6	60-01	• Installation, Pumping Train (See Group 60, Figure 01 for DET)					1
7	70-01	• Installation, Frame (See Group 70, Figure 01 for DET)					1
8	80-01	• Installation, Optional (See Group 80, Figure 01 for DET)					1
9	77705	• Kit, Break Away					1
10	71048	• Chain, 36 LK					1
11	71049	• Clevis, Double					2
12	10-03	• Kit, C50HP Decal (See Group 10, Figure 02 for DET)					1

DASH (-) ITEM NOT ILLUSTRATED



DECAL ASSEMBLY

C50HP
PARTS
GROUP 10
FIGURE 02
PAGE 01



REVISION:



! WARNING

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

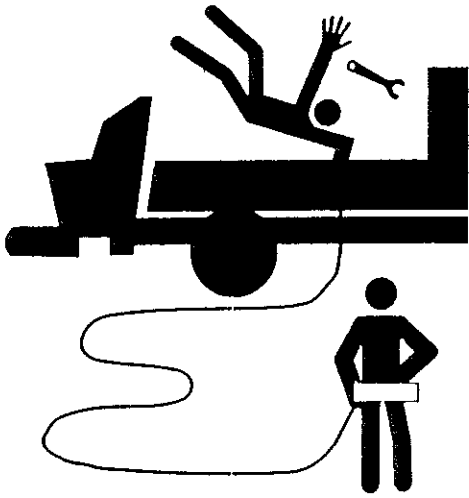
800918

5



ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	10-02	Kit, C50HP Decal (See Group 10, Figure 01 for NHA)					Ref
2	85415	• Decal, C50HP 6 Inch Black					2
3	85430	• Kit, B-Series Decal					1
4	85418	• • Decal, REED 4 1/2 Inch Black and White 48 Inch					2
5	800916	• • Decal, Warning, Keep Hand Out of Water Box					1
6	800924	• • Decal, Warning, This Machine is Remote Controlled and					2
7	85416	• • Decal, REED 4 1/2 Inch Black and White 20 Inch					1
8	800922	• • Decal, Warning, Before Opening a Blocked Pipeline,					1
9	800921	• • Decal, Warning, Do Not Operate at Pressures Exceeding					1
10	73132	• • Decal, REED 4 1/2 Inch					1
11	800929A	• • Decal, Warning					2
12	800917	• • Decal, Warning, Keep Hand Out of Hopper and Valve					2
13	800918	• • Decal, Warning, Do Not Stand on Hopper Grate					2
14	85684	• • Decal, B-Series Gauge					1
15	75020	• • Decal, Hydraulic Oil					1
16	800931	• • Decal, ACPA Member					1
17	85844	• • Decal, Oil Level					1
18	800926	• • Decal, Warning, Do Not Operate This Machine without					1
19	75017	• • Decal, Diesel Fuel Only					1
20	75009	• • Nameplate, REED , Serial No.					1
21	85409	• Decal, C50HP Control Box Panel					1
22	85411	• Decal, C50HP Remote Control					1
23	800919	• Decal, Optional, Warning, Stand Clear Outriggers When					2
24	83845	• Decal, Outriggers					1
25	800918	• Decal, Warning					1

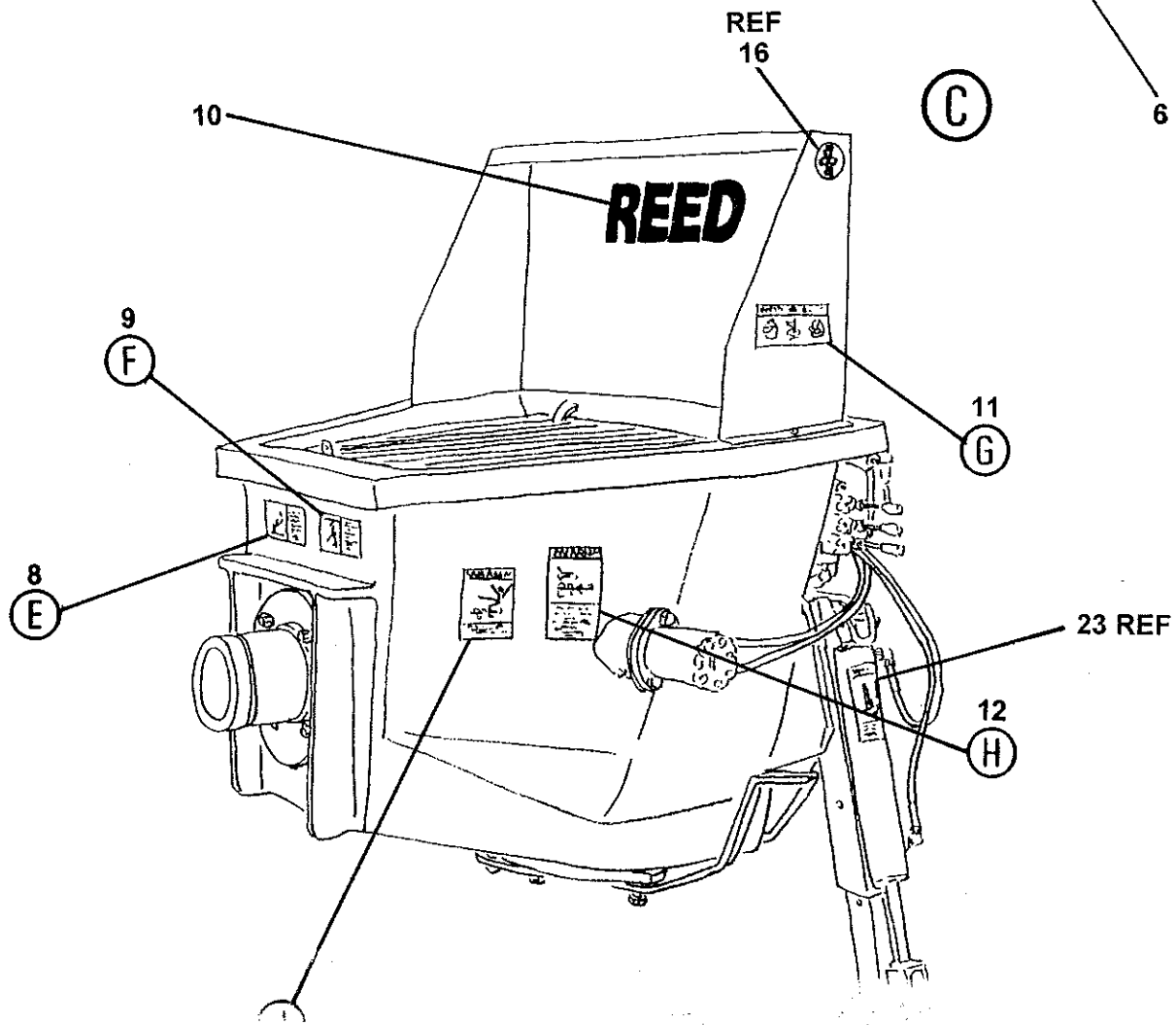
DASH (-) ITEM NOT ILLUSTRATED

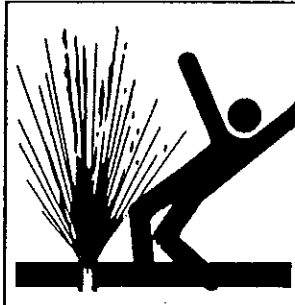


WARNING

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

800924





⚠ WARNING

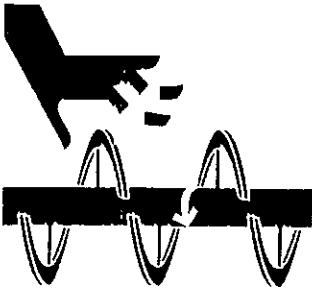
Before opening a blocked pipeline, relieve pressure by reversing pump. See manual.

800922

8

(E)

⚠ WARNING

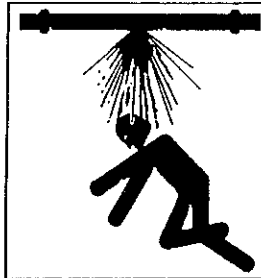


Keep hands out of hopper and valve assembly. See operation manual if access is required.

800917

(H)

12



⚠ WARNING

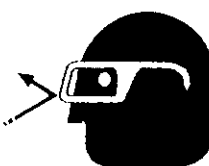
Do not operate at pressures exceeding the rating of the entire material delivery system.

800921

9

(F)

CUIDADO ⚠ WARNING



800920

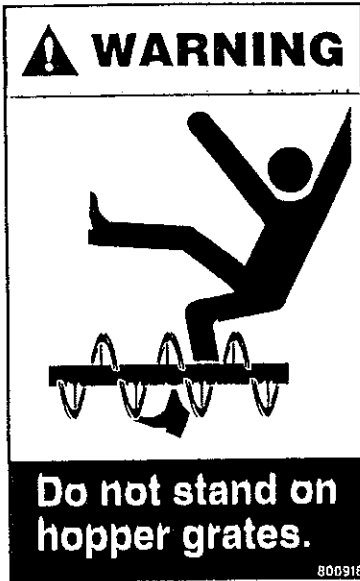
(G)

11



DECAL ASSEMBLY

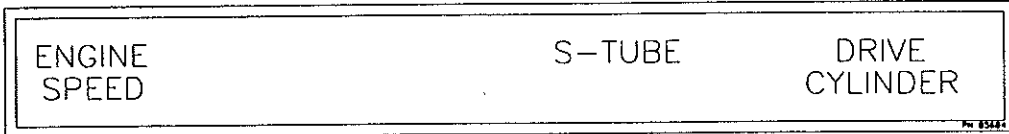
C50HP
PARTS
GROUP 10
FIGURE 02
PAGE 05



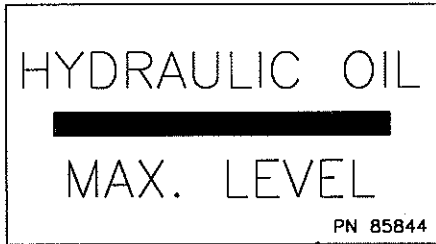
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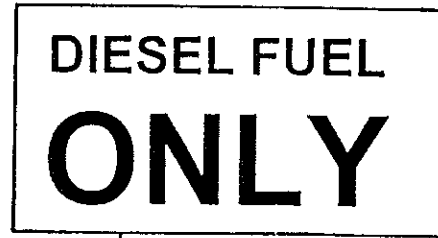
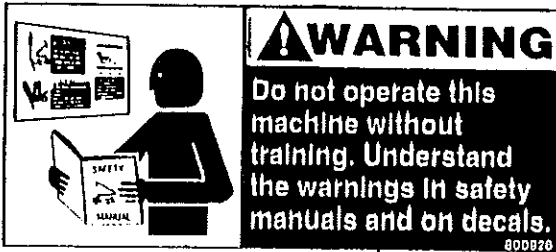
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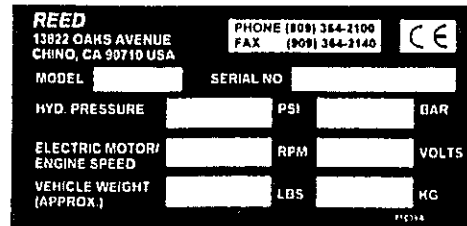
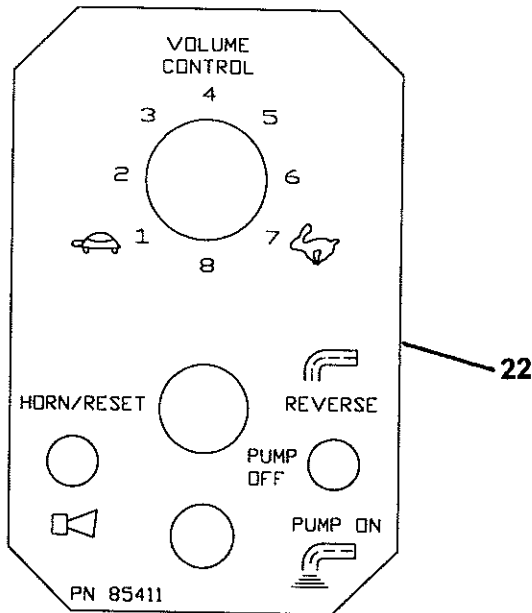


(P)

18

19

(Q)

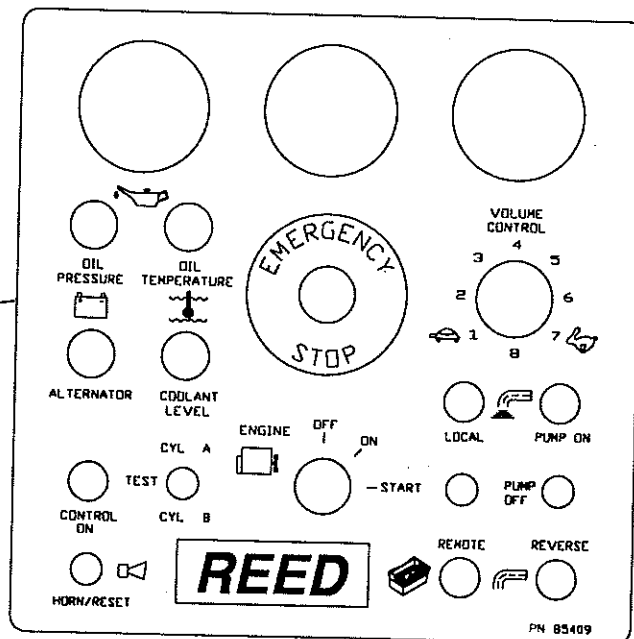


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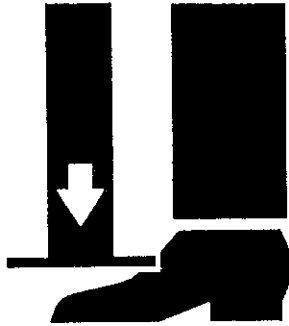
(R)

(T)

21



▲WARNING



Stand clear of
outriggers when
activating.

800919

23



FAR OUTRIGGER
UP ↔ DOWN

NEAR OUTRIGGER
UP ↔ DOWN

PN 85845

24



AGITATOR
REV ↔ FWD

PN 85846

25



ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	10-02	Kit, C50HP Decal (See Group 10, Figure 01 for NHA)					Ref
2	85415	• Decal, C50HP 6 Inch Black					2
3	85430	• Kit, B-Series Decal					1
4	85418	• • Decal, REED 4 1/2 Inch Black and White 48 Inch					2
5	800916	• • Decal, Warning, Keep Hand Out of Water Box					1
6	800924	• • Decal, Warning, This Machine is Remote Controlled and					2
7	85416	• • Decal, REED 4 1/2 Inch Black and White 20 Inch					1
8	800922	• • Decal, Warning, Before Opening a Blocked Pipeline,					1
9	800921	• • Decal, Warning, Do Not Operate at Pressures Exceeding					1
10	73132	• • Decal, REED 4 1/2 Inch					1
11	800929A	• • Decal, Warning					2
12	800917	• • Decal, Warning, Keep Hand Out of Hopper and Valve					2
13	800918	• • Decal, Warning, Do Not Stand on Hopper Grate					2
14	85684	• • Decal, B-Series Gauge					1
15	75020	• • Decal, Hydraulic Oil					1
16	800931	• • Decal, ACPA Member					1
17	85844	• • Decal, Oil Level					1
18	800926	• • Decal, Warning, Do Not Operate This Machine without					1
19	75017	• • Decal, Diesel Fuel Only					1
20	75009	• • Nameplate, REED , Serial No.					1
21	85409	• Decal, C50HP Control Box Panel					1
22	85411	• Decal, C50HP Remote Control					1
23	800919	• Decal, Optional, Warning, Stand Clear Outriggers When					2
24	83845	• Decal, Outriggers					1
25	83846	• Decal, Agitator					1

DASH (-) ITEM NOT ILLUSTRATED

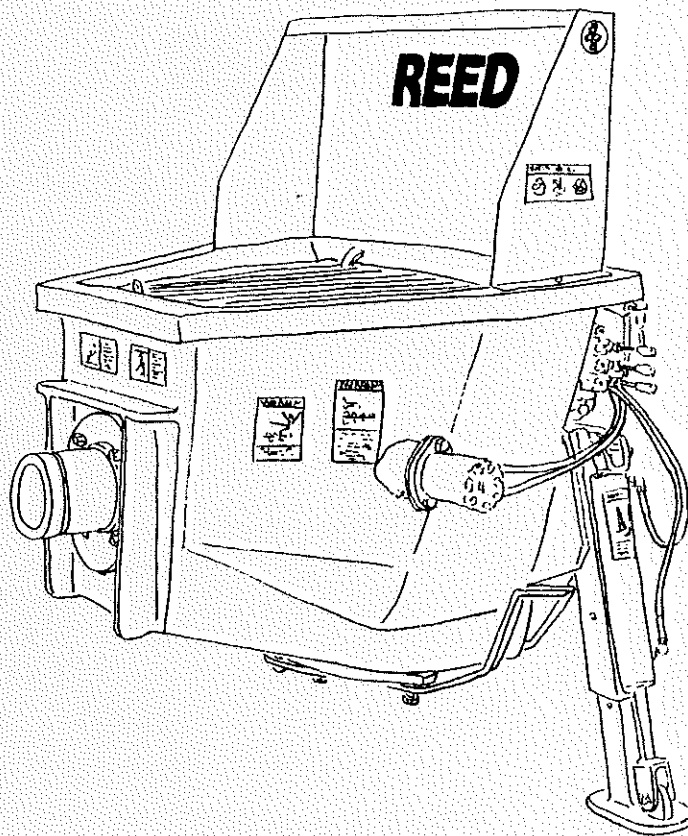
REED

TRAILER MOUNTED PUMP MODEL C50HP
ILLUSTRATED PARTS MANUAL

C50HP
PARTS
GROUP 10
FIGURE 03
PAGE 01

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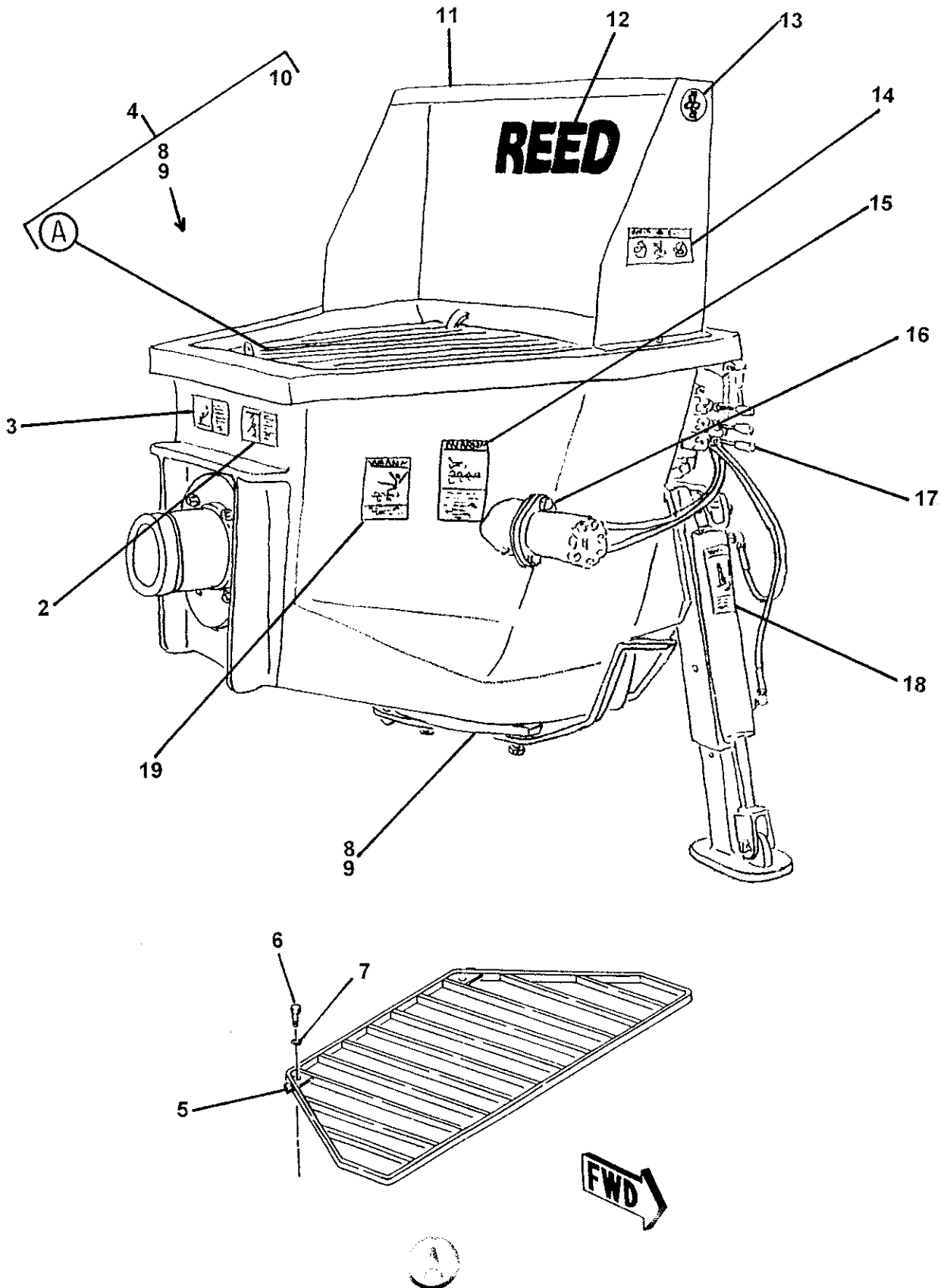
REED TRAILER MOUNTED CONCRETE PUMP MODEL **C50HP** ILLUSTRATED PARTS MANUAL GROUP 20 HOPPER INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** HOPPER INSTALLATION
- FIGURE 02** SQUARE CLEAN OUT DOOR ASSEMBLY
- FIGURE 03** ROUNDED CLEAN OUT DOOR ASSEMBLY
- FIGURE 04** AGITATOR ASSEMBLY
- FIGURE 05** AGITATOR MOTOR ASSEMBLY
- FIGURE 06** AGITATOR/OUTRIGGER CONTROL VALVE ASSEMBLY
- FIGURE 07** A AGITATOR/OUTRIGGERS CONTROL VALVE SUB-ASSEMBLY

REED

HOPPER INSTALLATION

C50HP
PARTS
GROUP 20
FIGURE 01
PAGE 01



REVISION:



HOPPER INSTALLATION

C50HP
PARTS
GROUP 20
FIGURE 01
PAGE 02

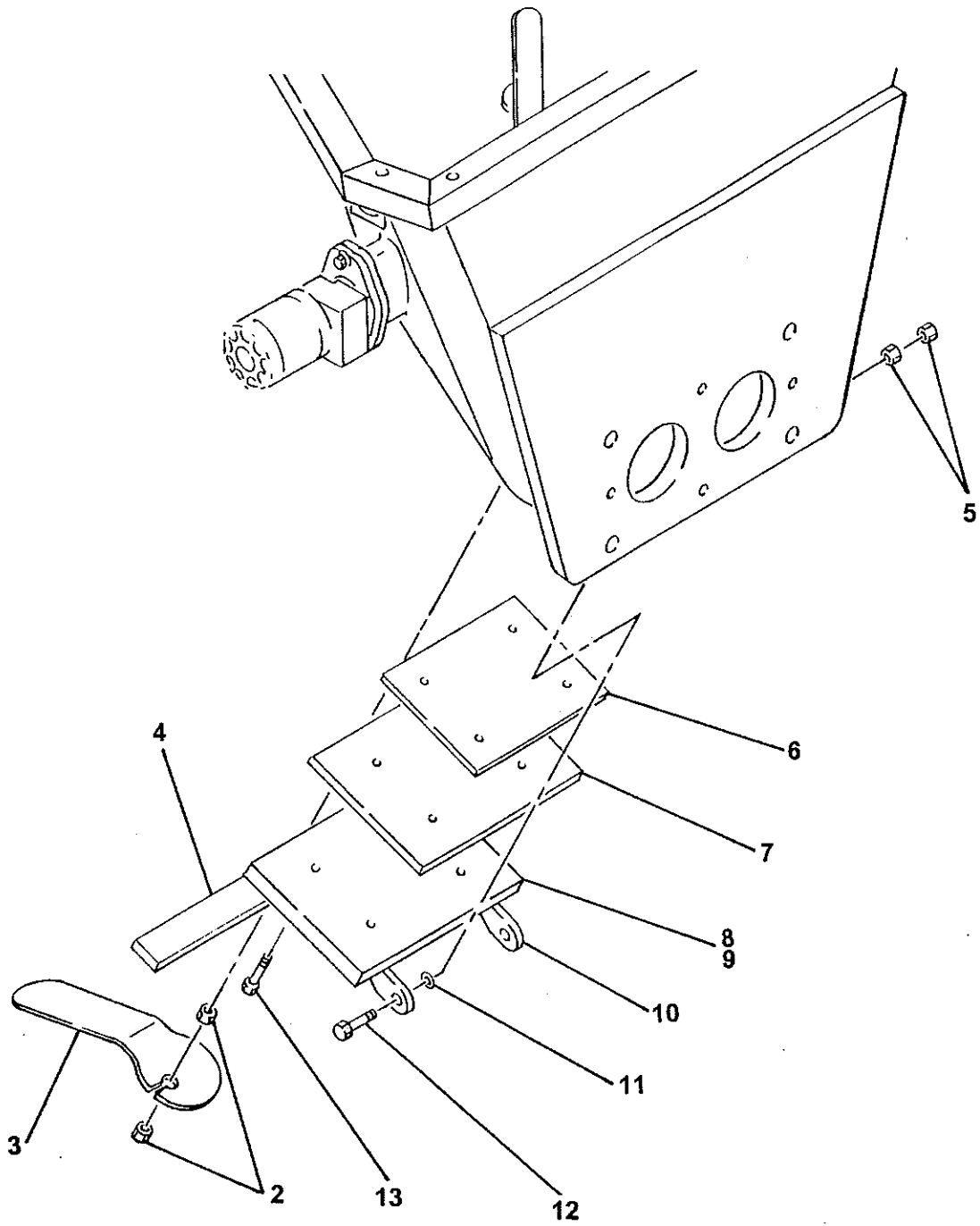
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-01	Installation, Standard Hopper (See Group 10, Figure 01 for NHA)	Ref
2	800921	• Decal, Warning, Do Not Operate at Pressures Exceeding	1
3	800922	• Decal, Warning, Before Opening a Blocked Pipeline,	1
4	76950	• Weldment, Hopper	1
5	70903	• • Grate, C50HP Standard Hopper	1
6		• • Bolt, Hex (attaching parts)	2
7		• • Washer, Lock (attaching parts)	2
8	72971-2	• • Assembly, Square Clean Out Door (See Group 20, Figure 02 for DET)	1
9	85372	• • Assembly, Rounded Clean Out Door (See Group 20, Figure 03 for DET)	1
10	72679	• • Hinge, Grate	2
11	85390	• Guard, Splash	1
12	73132	• Decal, REED 4 1/2 Inch	1
13	800931	• Decal, ACPA Member	1
14	800929	• Decal, Warning	2
15	800917	• Decal, Warning, Keep Hand Out of Hopper and Valve	2
16	20-04	• Assembly, Hopper Agitator (See Group 20, Figure 04 for DET)	1
17	20-06	• Assembly, Agitator / Outriggers Control Valve (See Group 20, Figure 06 for DET)	1
18	800919	• Decal, Warning, Stand Clear Outriggers When Activating	2
19	800918	• Decal, Warning, Do Not Stand on Hopper Grate	2

DASH (-) ITEM NOT ILLUSTRATED



SQUARE CLEAN OUT DOOR ASSEMBLY

C50HP
PARTS
GROUP 20
FIGURE 02
PAGE 01



REVISION:

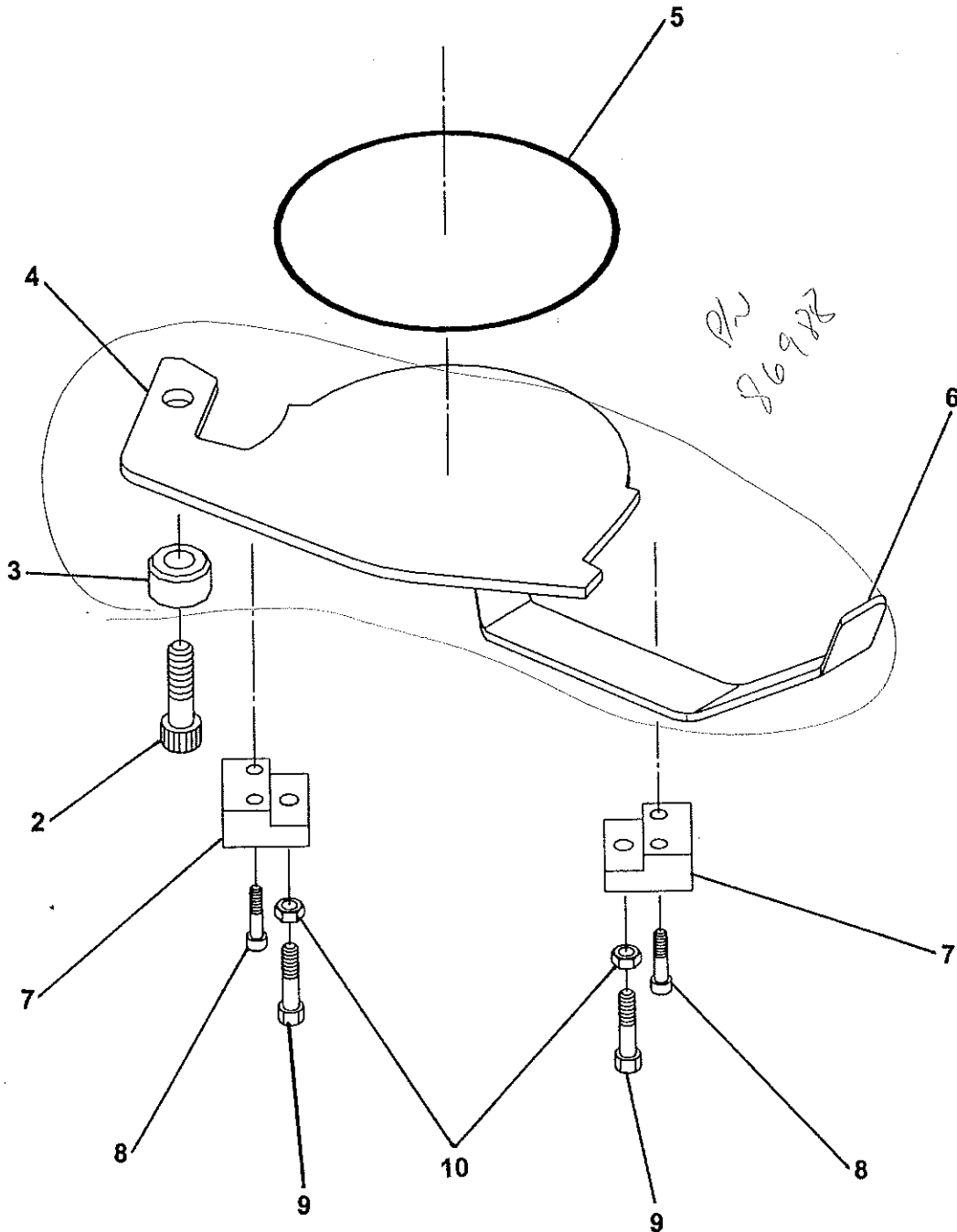
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	72971-2	Assembly, Square Clean Out Door (See Group 20, Figure 01 for NHA)					Ref
2		• Nut, Hex					2
3	70096	• Handle, Clean Out Door					1
4	71016	• Handle, Lift					1
5		• Nut					4
6	70794	• Insert, Door					1
7	70248	• Rubber, Gasket					1
8	70795	• Door, Hopper					1
9	70150	• Plate, Lift					1
10	70095	• Hinge, Clean Out Door					4
11		• Washer					2
12		• Bolt, Hex					2
13		• Bolt, Hex					4

DASH (-) ITEM NOT ILLUSTRATED

REED

**ROUNDED CLEAN OUT
DOOR ASSEMBLY**

C50HP
PARTS
GROUP 20
FIGURE 03
PAGE 01



FWD

REVISION:

REED

ROUNDED CLEAN OUT DOOR ASSEMBLY

C50HP
PARTS
GROUP 20
FIGURE 03
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85372 86542	Assembly, Rounded Clean Out Door (See Group 20, Figure 01 for NHA)					Ref
2	86982	• Bolt, Shoulder					1
3	85367	• Boss, Clean Out Door 86988					1
4	85370	• Door, Clean Out PART OF 5					1
5	78142 A	• Assembly, 3 FT Cord W-102908A					1
6	85369	• Handle, Clean Out Door PART OF 86988					1
7	85313	• Block, Clean Out Door					2
8		• Capscrew, Socket Head					4
9	85368	• Bolt, Mod					2
10		• Nut, Jam					2
-11	85312	• Plate, Seal					1
-12	85371	• Neck, Clean Out Door					1

DASH (-) ITEM NOT ILLUSTRATED

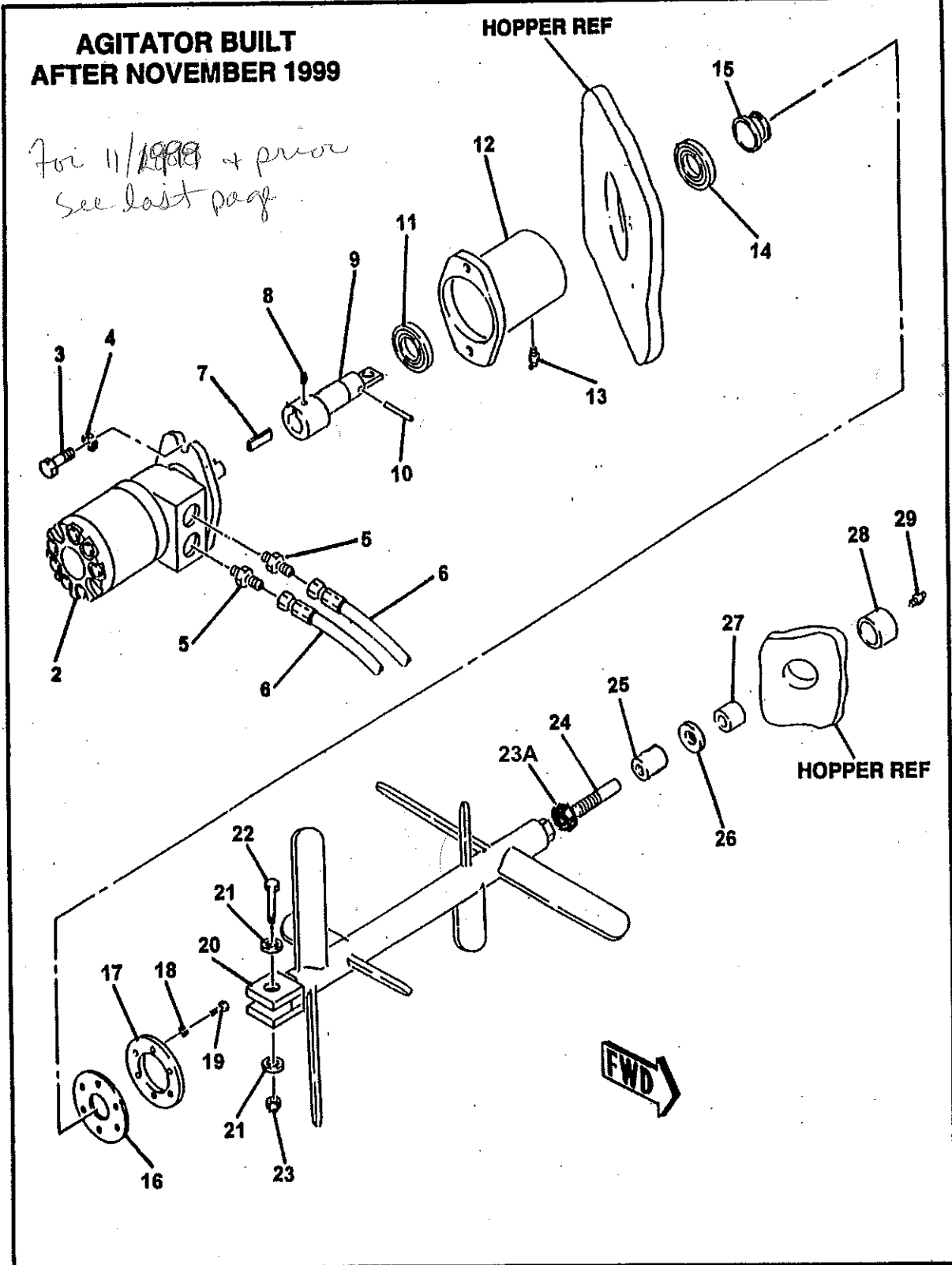


AGITATOR ASSEMBLY

C50HP
PARTS
GROUP 20
FIGURE 04A
PAGE 01

**AGITATOR BUILT
AFTER NOVEMBER 1999**

*For 11/1999 + prior
See last page*



REVISION: SEPTEMBER 2000



AGITATOR ASSEMBLY

C50HP
PARTS
GROUP 20
FIGURE 04A
PAGE 02

AGITATOR BUILT AFTER NOVEMBER 1999

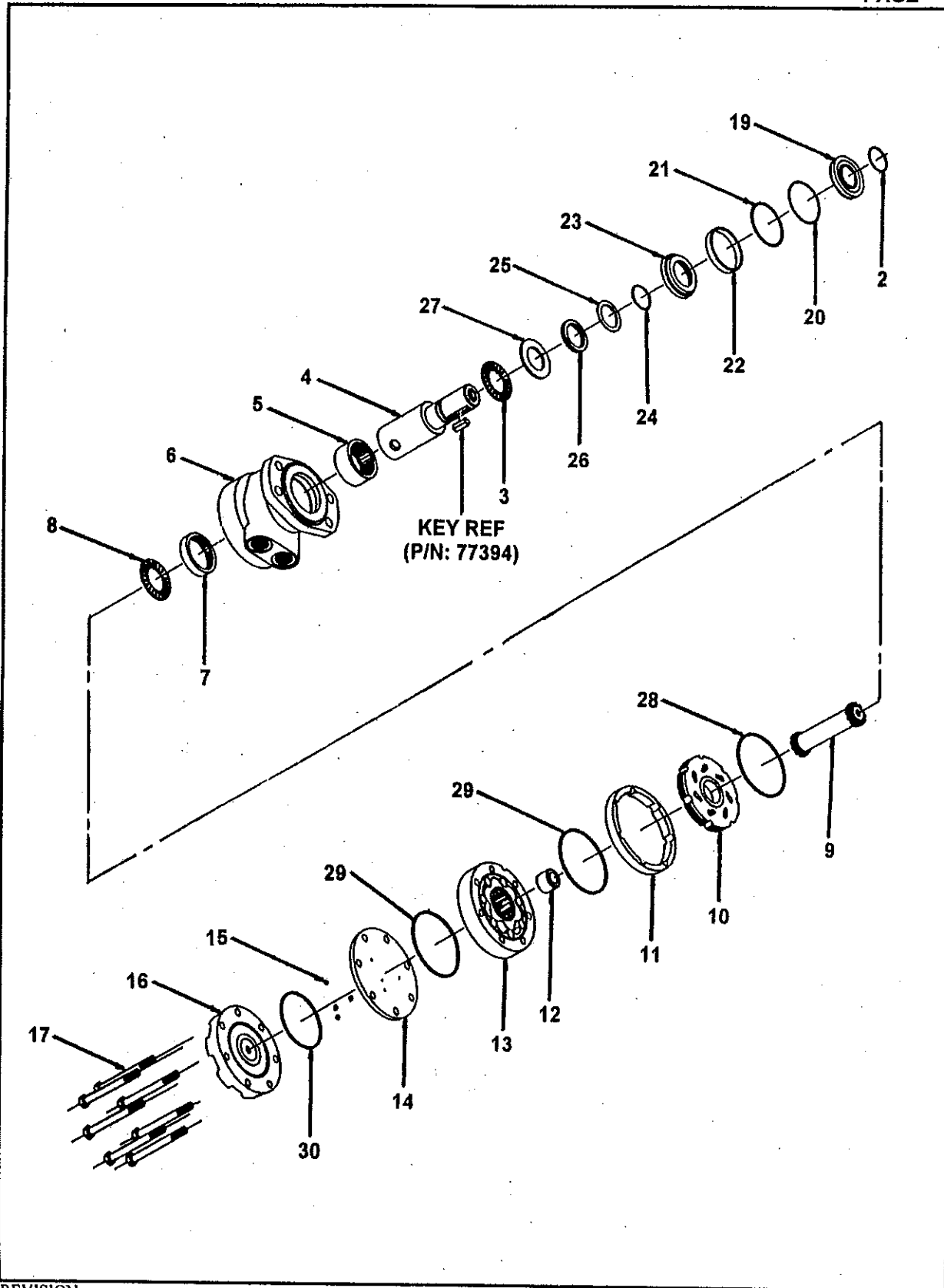
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85760	Assembly, C50HP Agitator (See Group 20, Figure 01 for NHA)					Ref
2	85811	• Assembly, Agitator Motor (See Group 20, Figure 05 for DET)					1
3		• Bolt, Hex (attaching parts)					1
4		• Washer, Lock (attaching parts)					2
5		• Fitting, STR					2
6	85658-002	• Assembly, Hose (See Schematic Section for REF)					2
7	30216	• Key					1
8	80374	• Screw, Set					1
9	85923	• Shaft, Agitator					1
10	86758	• Pin, Spring					1
11	85979	• Bearing, with Seal Ball					1
12	70226	• Housing, Bearing with Flange (Welded on Hopper)					1
13	80516	• Fitting, 90 Grease					1
14	85978	• Bearing, Plain Ball					1
15	85976	• Ring, Wear					1
16	70212	• Seal					1
17	70211	• Flange, Seal					1
18	86743	• Washer, Flat Washer 1/2"					6
19	86744	• Bolt, Hex (attaching parts)					6
20	70202	• Weldment, Agitator with Paddle					1
21		• Washer, Lock (attaching parts)					2
22	80156	• Screw, Hex Head Cap (attaching parts)					1
23	80075	• Nut (attaching parts)					1
23A	80030	20MM Hex Nut					1
24	70214	• Shaft, Idle					1
25	77877	• Spacer					1
26	86186	• Washer					1
27	70219	• Bearing, Idler					1
28	70210	• Housing, Idler Bearing (Welded on Hopper)					1
29		• Fitting, STR Grease					1
-30	85846	• Decal, Agitator					1

DASH (-) ITEM NOT ILLUSTRATED



AGITATOR MOTOR ASSEMBLY

C50HP
PARTS
GROUP 20
FIGURE 05
PAGE 01



REVISION:



AGITATOR ASSEMBLY

C50HP
PARTS
GROUP 20
FIGURE 04A
PAGE 02

**AGITATOR BUILT
AFTER NOVEMBER 1999**

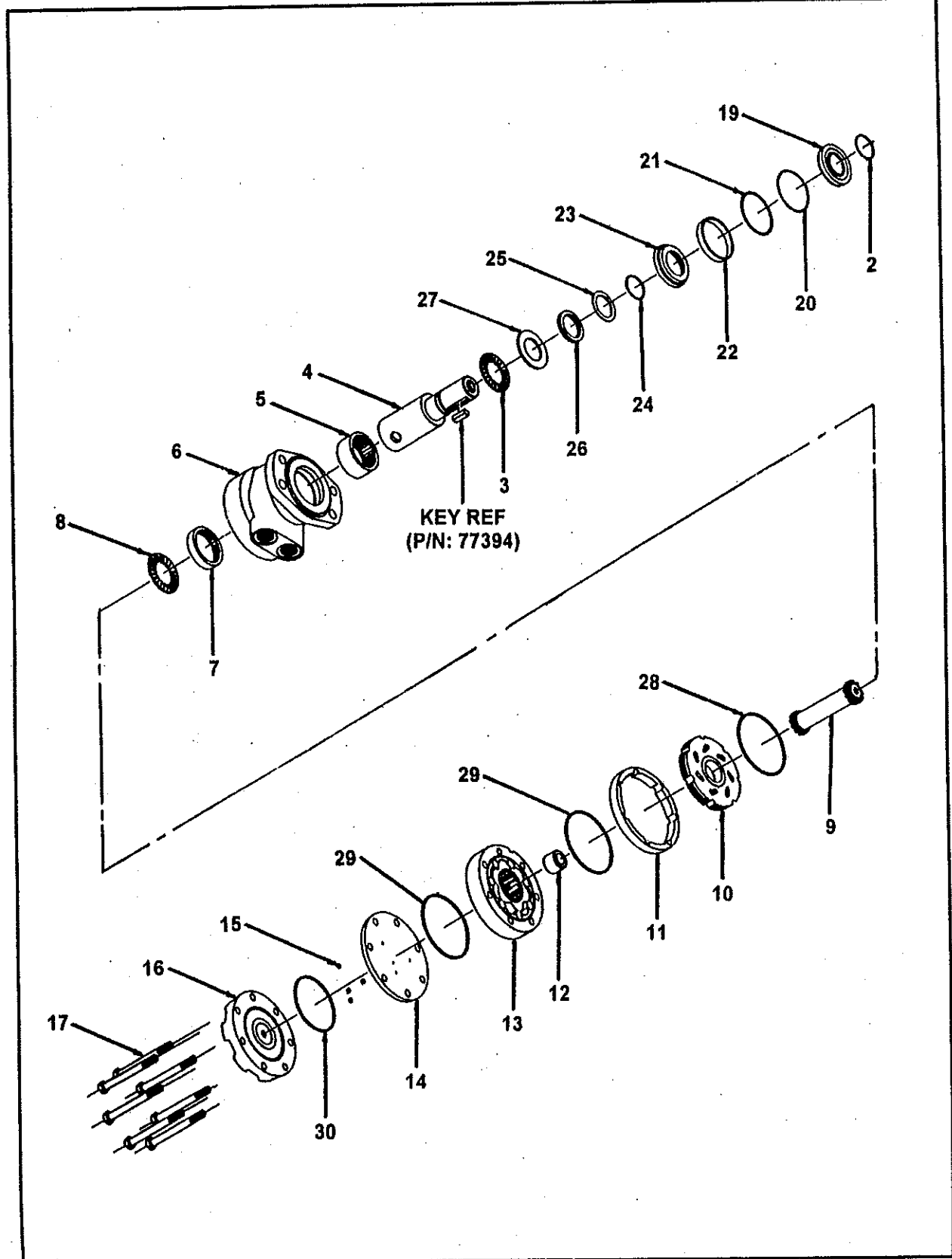
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85760	Assembly, C50HP Agitator (See Group 20, Figure 01 for NHA)					Ref
2	85811	• Assembly, Agitator Motor (See Group 20, Figure 05 for DET)					1
3		• Bolt, Hex (attaching parts)					1
4		• Washer, Lock (attaching parts)					2
5		• Fitting, STR					2
6	85658-002	• Assembly, Hose (See Schematic Section for REF)					2
7	30216	• Key					1
8	80374	• Screw, Set					1
9	85923	• Shaft, Agitator					1
10	86758	• Pin, Spring					1
11	85979	• Bearing, with Seal Ball					1
12	70226	• Housing, Bearing with Flange (Welded on Hopper)					1
13	80516	• Fitting, 90 Grease					1
14	85978	• Bearing, Plain Ball					1
15	85976	• Ring, Wear					1
16	70212	• Seal					1
17	70211	• Flange, Seal					1
18	86743	• Washer, Flat Washer 1/2"					6
19	86744	• Bolt, Hex (attaching parts)					6
20	70202	• Weldment, Agitator with Paddle					1
21		• Washer, Lock (attaching parts)					2
22	80156	• Screw, Hex Head Cap (attaching parts)					1
23	80075	• Nut (attaching parts)					1
23A	80030	20MM Hex Nut					1
24	70214	• Shaft, Idle					1
25	77877	• Spacer					1
26	86186	• Washer					1
27	70219	• Bearing, Idler					1
28	70210	• Housing, Idler Bearing (Welded on Hopper)					1
29		• Fitting, STR Grease					1
-30	85846	• Decal, Agitator					1

DASH (-) ITEM NOT ILLUSTRATED

REED

AGITATOR MOTOR ASSEMBLY

C50HP
PARTS
GROUP 20
FIGURE 05
PAGE 01



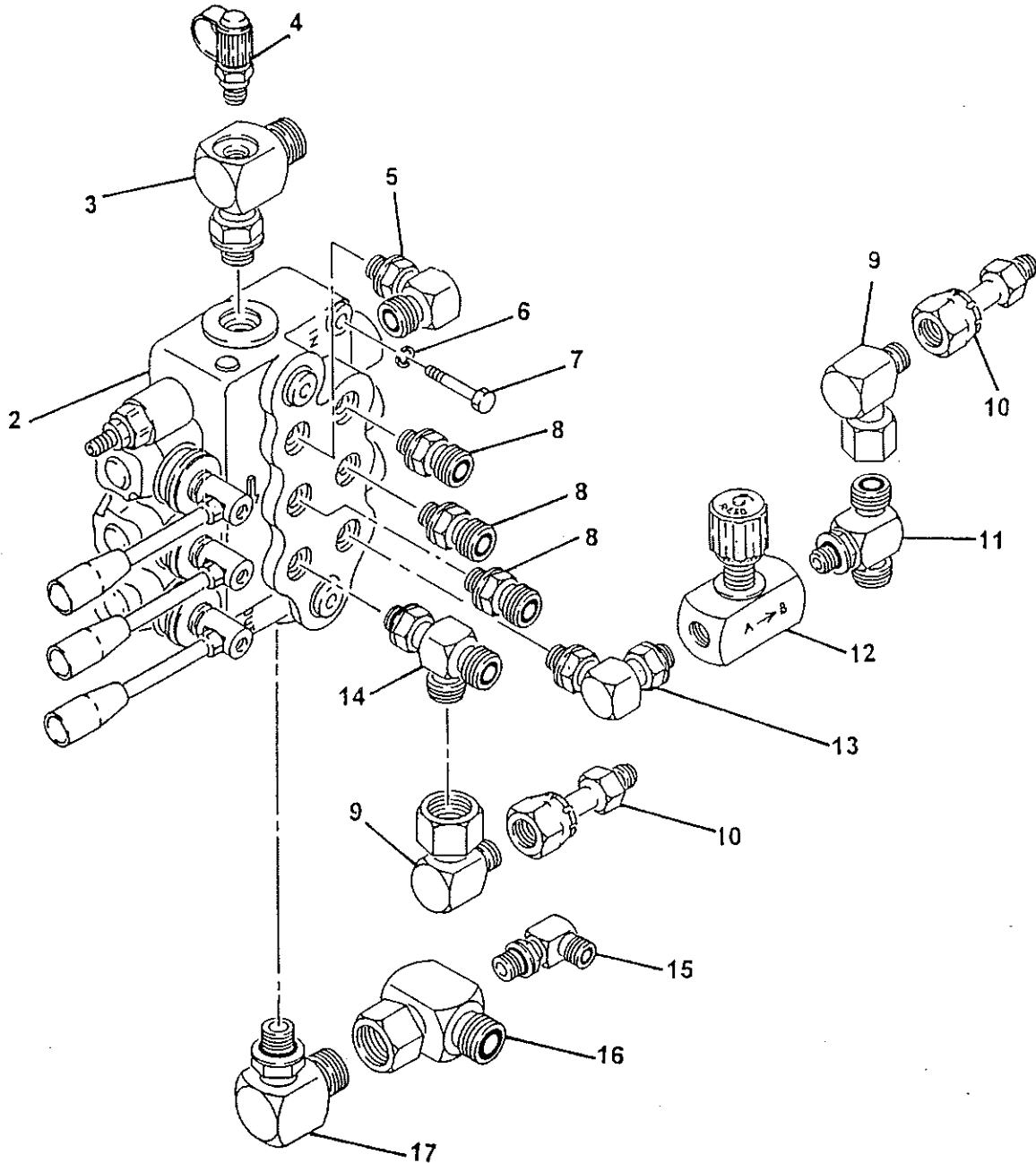
REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85811	Assembly, 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		• Kit, White Motors Seal	1
19		• • Seal, Dust	1
20		• • Ring, Split Wire	1
21		• • Shim, Metal Back Up	1
22		• • Seal, High Pressure	1
23		• • Carrier, Seal	
24		• • Shim, Metal Back Up	1
25		• • Seal, Polyamid	1
26		• • Seal, Shaft	1
27		• • Washer, Thrust	1
28		• • Seal, Rear Housing	1
29		• • Seal, Body	2
30		• • Seal, End Cover	1

DASH (-) ITEM NOT ILLUSTRATED

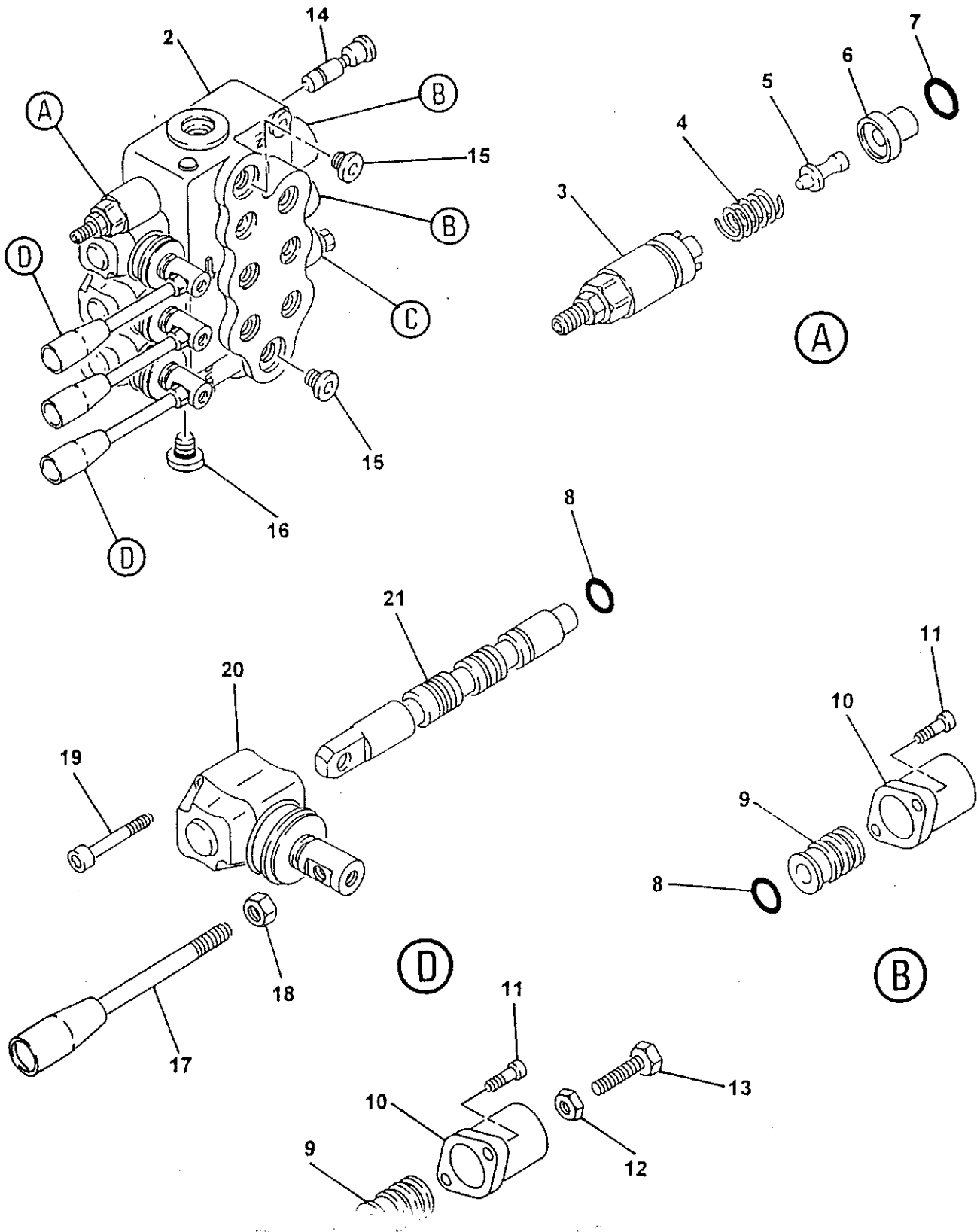


AGITATOR / OUTRIGGERS CONTROL VALVE ASSEMBLY



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-06	Assembly, Agitator / Outriggers Control Valve (See Group 20, Figure 01 for NHA)	Ref
2	74471	• Sub-Assembly, Agitator / Outriggers Control Valve (See Group 20, Figure 07 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Fitting, 90	1
6		• Washer, SPL Lock	2
7		• Bolt, Hex	2
8		• Fitting, 90	3
9		• Fitting, 90	2
10		• Fitting, Connector	2
11		• Tee	2
12		• Controller, Check	1
13		• Fitting, 90	1
14		• Tee	1
15		• Fitting, 90	1
16		• Tee, Special Drill	1
17		• Fitting, 90	1

DASH (-) ITEM NOT ILLUSTRATED



REED**AGITATOR / OUTRIGGERS
CONTROL VALVE SUB-ASSEMBLY****C50HP
PARTS
GROUP 20
FIGURE 07
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	74471	Sub-Assembly, Agitator / Outriggers Control Valve (See Group 20, Figure 06 for NHA)					Ref
2		• Body, Valve					1
3		• Kit, Screw					1
4		• Spring					1
5		• Pin, Screw Kit					1
6		• Ring					1
7		• O-Ring					1
8		• O-Ring					4
9		• Kit, Spool Control					3
10		• Cap, Spool					3
11		• Screw, SOC (attaching Parts)					6
12		• Nut					1
13		• Bolt, Hex					1
14		• Kit, VRS					1
15		• Plug					2
16		• Plug					1
17		• Handle, Remixer Valve					3
18		• Nut (attaching parts)					3
19		• Screw, SOC					6
20		• Lever, L					3
21		• Spool					3

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

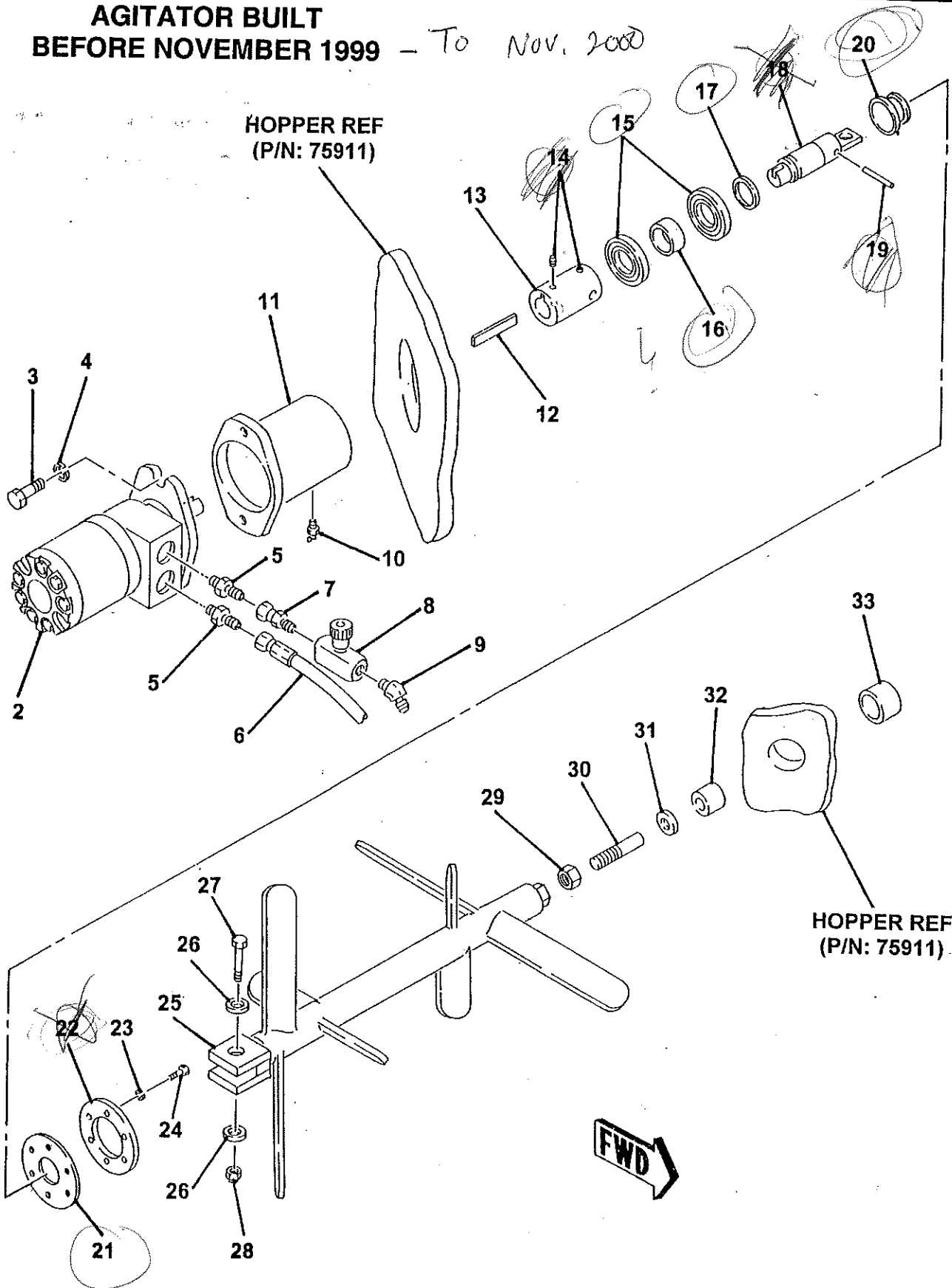


TRAILER MOUNTED PUMP MODEL C50HP
ILLUSTRATED PARTS MANUAL

C50HP
PARTS
GROUP 20
FIGURE 08
PAGE 01

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**AGITATOR BUILT
BEFORE NOVEMBER 1999** - *To Nov. 2000*



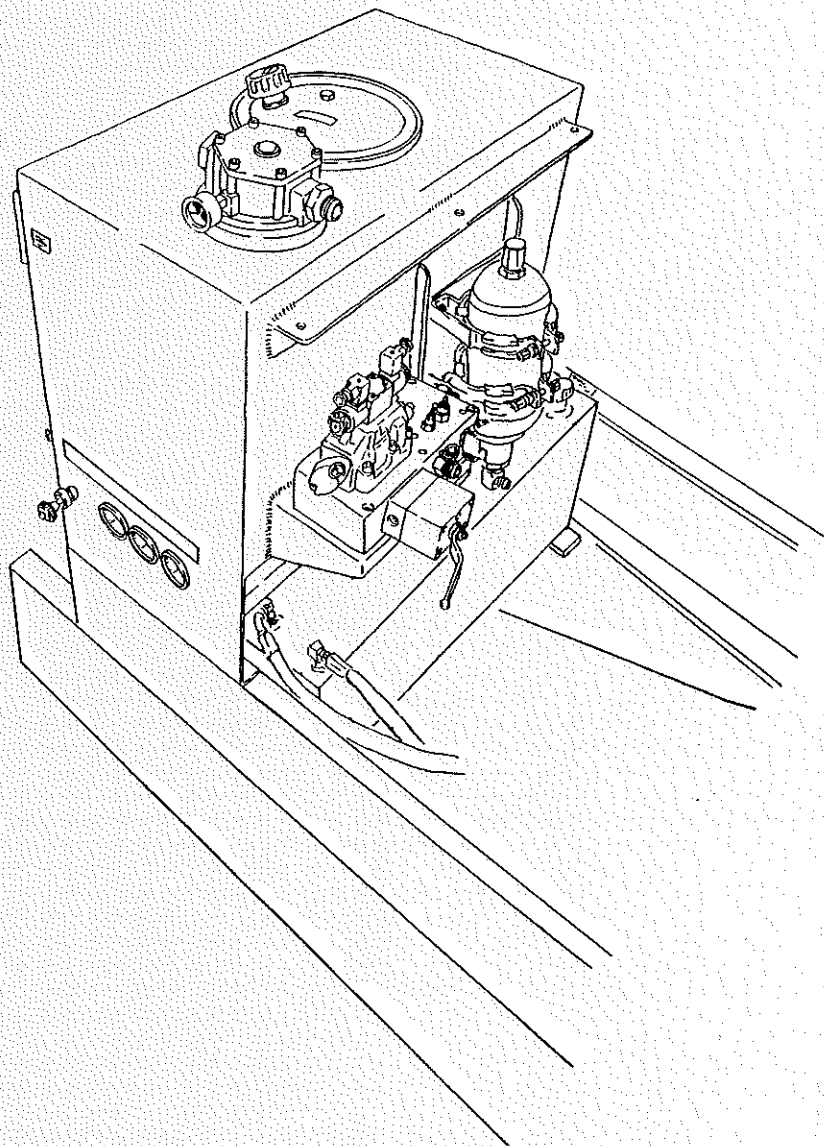
**AGITATOR BUILT
BEFORE NOVEMBER 1999**

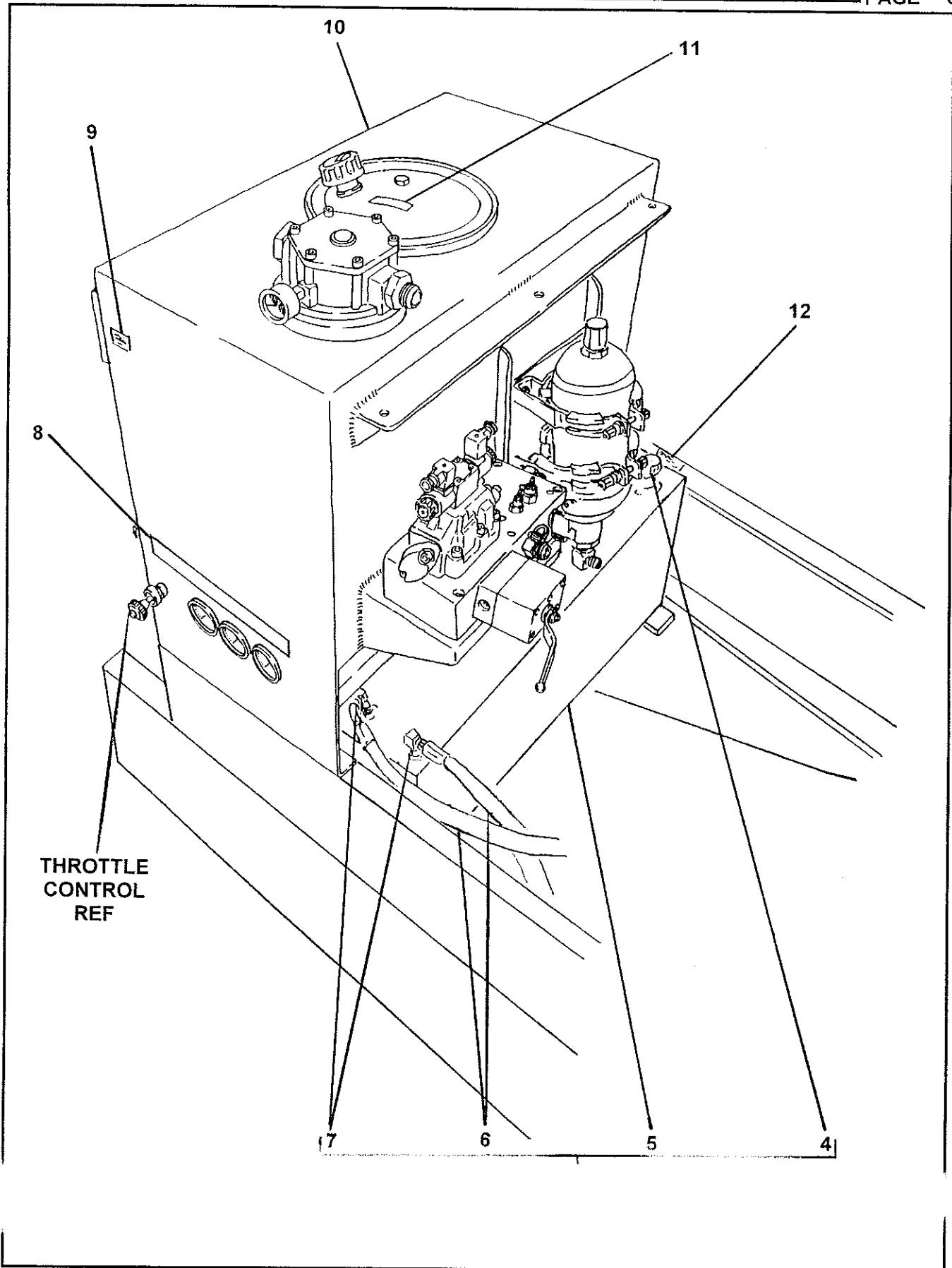
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85760	Assembly, Standard Hopper Agitator (Optional Item) (See Group 20, Figure 01 for NHA)					Ref
2	74529	• Assembly, Standard Hopper Agitator Motor (Optional Item) (See Group 20, Figure 07 for DET)					1
3		• Bolt, Hex (attaching parts)					1
4		• Washer, Lock (attaching parts)					2
5		• Fitting, STR					2
6	85658-001	• Assembly, Hose					1
7		• Fitting, STR					1
8	74514	• Valve, Needle					1
9		• Fitting, 45					1
10	80516	• Fitting, Grease					1
11	70226	• Housing, Bearing with Flange					1
12	30216	• Key					1
13	70225	• Coupling					1
14	80374	• Screw, Set					2
15	71019	• Bearing, Ball					2
16	70215	• Spacer, Long					1
17	70216	• Spacer, Shot					1
18	70224	• Shaft, Agitator					1
19	80298	• Pin, Spring					1
20	71018	• Ring, Wear					1
21	70212	• Seal					1
22	70211	• Flange, Seal					1
23		• Washer, Lock (attaching parts)					6
24		• Bolt, Hex (attaching parts)					6
25	70202	• Shaft, B50 Agitator with Paddle					1
26		• Washer, Lock (attaching parts)					2
27	80156	• Screw, Hex Head Cap (attaching parts)					1
28	80019	• Nut (attaching parts)					1
29	80030	• Nut, Hex					1
30	70214	• Shaft, Idle					1
31	77877	• Spacer					1
32	70219	• Bearing, Idler					1
33	70210	• Housing, Idler Bearing					1
-34	85658-002	• Assembly, Hose					1

DASH (-) ITEM NOT ILLUSTRATED

REED TRAILER MOUNTED CONCRETE PUMP MODEL **C50HP** 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 ACCUMULATOR ASSEMBLY
- FIGURE 04 ACCUMULATOR BLADDER REPAIR KIT
- FIGURE 05 SWING TUBE CIRCUIT MANIFOLD ASSEMBLY
- FIGURE 06 SWING TUBE CIRCUIT MAIN SOLENOID VALVE ASSEMBLY
- FIGURE 07 SWING TUBE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY
- FIGURE 08 BALL VALVE ASSEMBLY





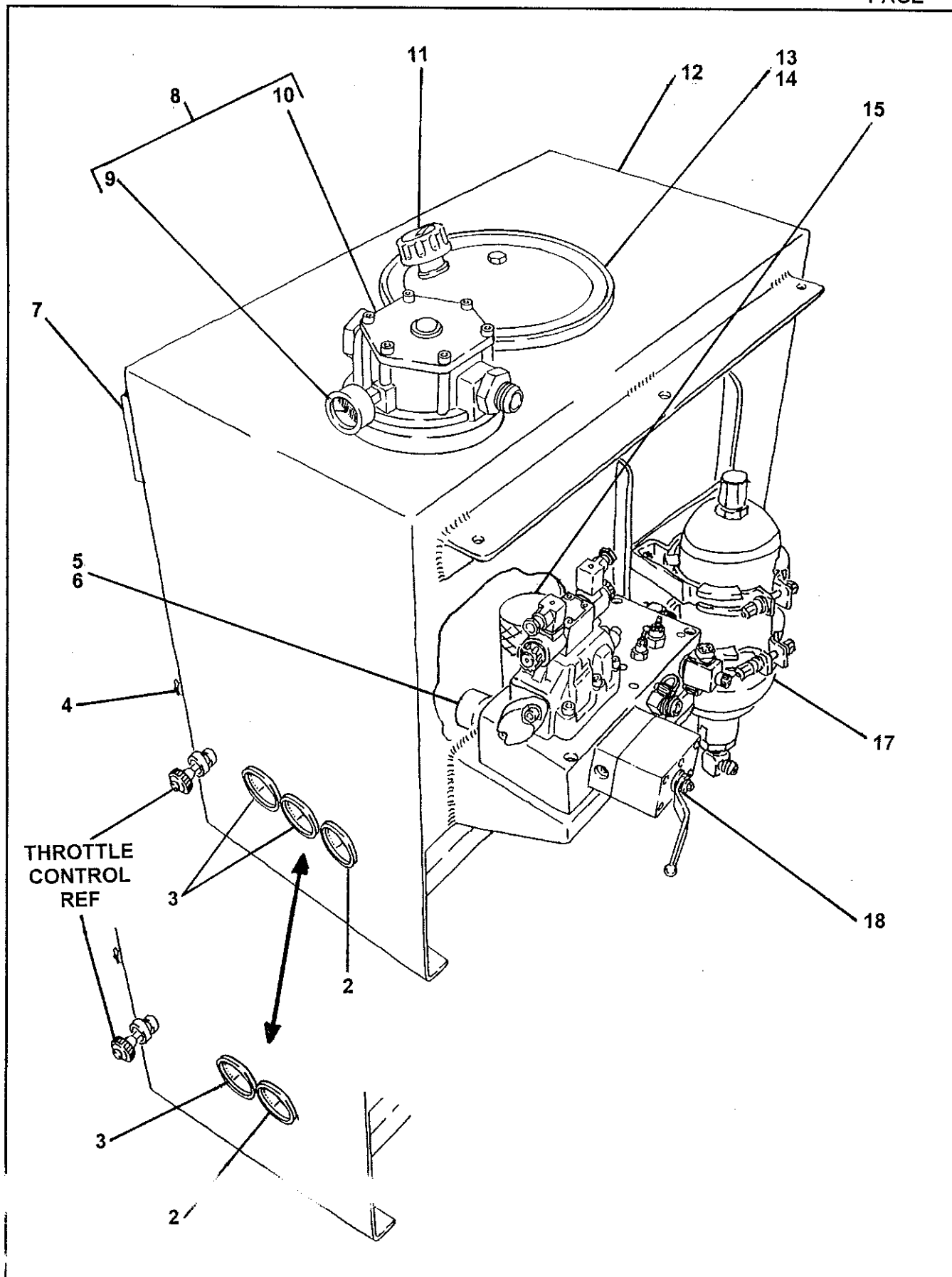
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	30-01	Installation, Tank (See Group 10, Figure 01 for NHA)	Ref
2	85437	• Assembly, Fuel Tank	1
-3	77191	• • Gauge, Fuel	1
4	85570	• • Cap, Fuel	1
5	77181	• • Weldment, Fuel Tank	1
6	77183	• • Tube, Fuel Pick Up	2
7		• • Elbow, 90	2
8	85684	• Decal, Gauge	1
9	85844	• Decal, Oil Level	1
10	85431	• Assembly, Hydraulic Tank (See Group 30, Figure 02 for DET)	1
11	75020	• Decal, Hydraulic Oil	1
-12	85432	• Kit, C50HP Hose (See Schematic Section for DET)	1

DASH (-) ITEM NOT ILLUSTRATED

REED

HYDRAULIC TANK ASSEMBLY

C50HP
PARTS
GROUP 30
FIGURE 02
PAGE 01



REVISION:

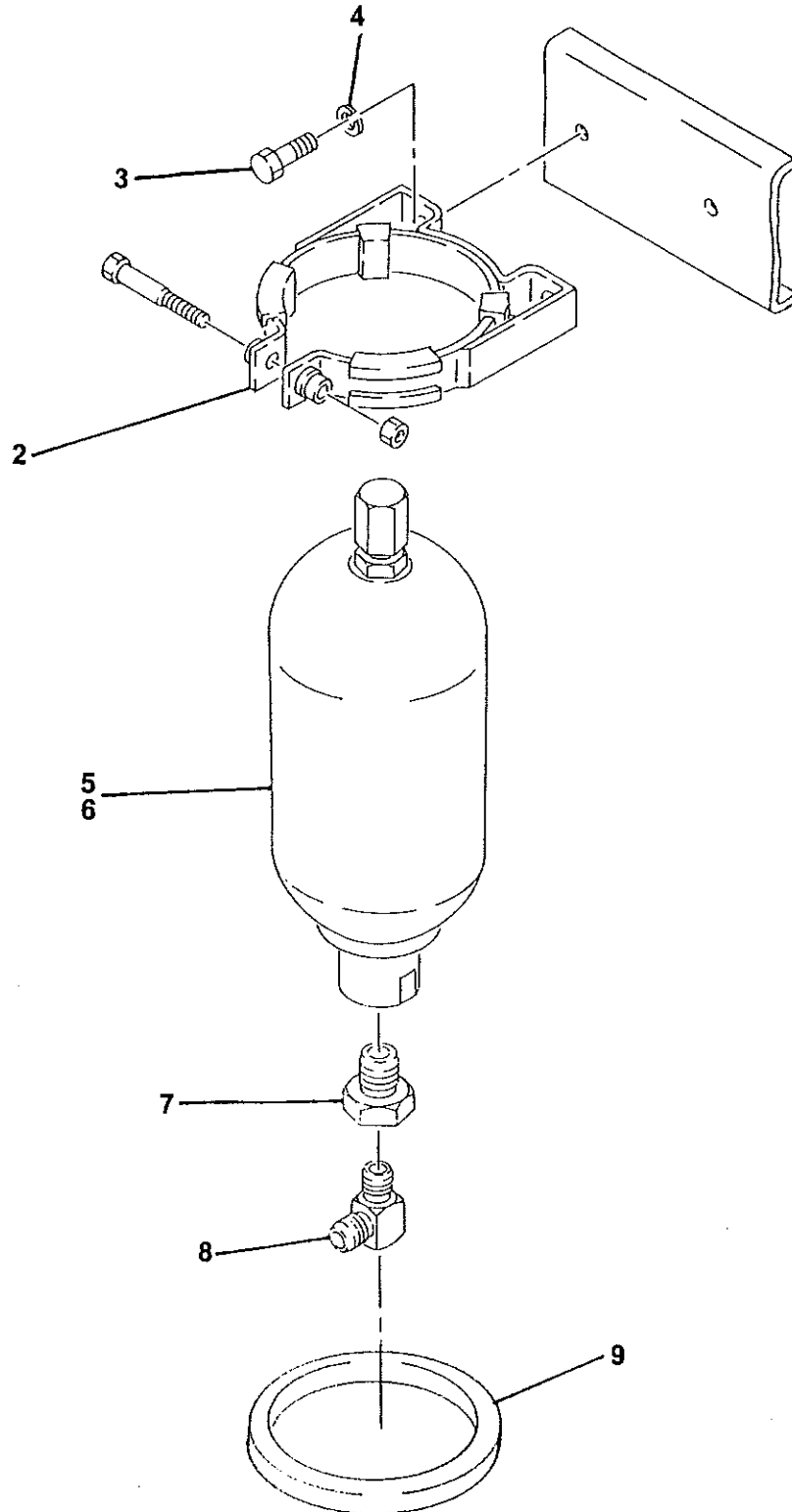
REED**HYDRAULIC TANK ASSEMBLY****C50HP
PARTS
GROUP 30
FIGURE 02
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85431	Assembly, Hydraulic Tank (See Group 30, Figure 01 for NHA)	Ref
2	70366	• Gauge, 3,000 PSI Hydraulic	A/R
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	85360	• Weldment, Hydraulic Tank	1
13	85824	• • End Cover, Hydraulic Tank	1
14	85867	• • Gasket, End Cover	1
15	79247	• Separator, Magnetic	2
-16	79297	• Valve, Check	1
17	30-03	• Assembly, Accumulator (See Group 30, Figure 03 for DET)	1
18	85249	• Assembly, Swing Tube Circuit Manifold (See Group 30, Figure 05 for DET)	1
-19	78598	• Plug, Hoffman	A/R

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

ACCUMULATOR ASSEMBLY



REED**ACCUMULATOR ASSEMBLY****C50HP****PARTS**

GROUP 30

FIGURE 03

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	30-03	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	30-04	• Kit, Bladder Repair (See Group 30, Figure 04 for DET)					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

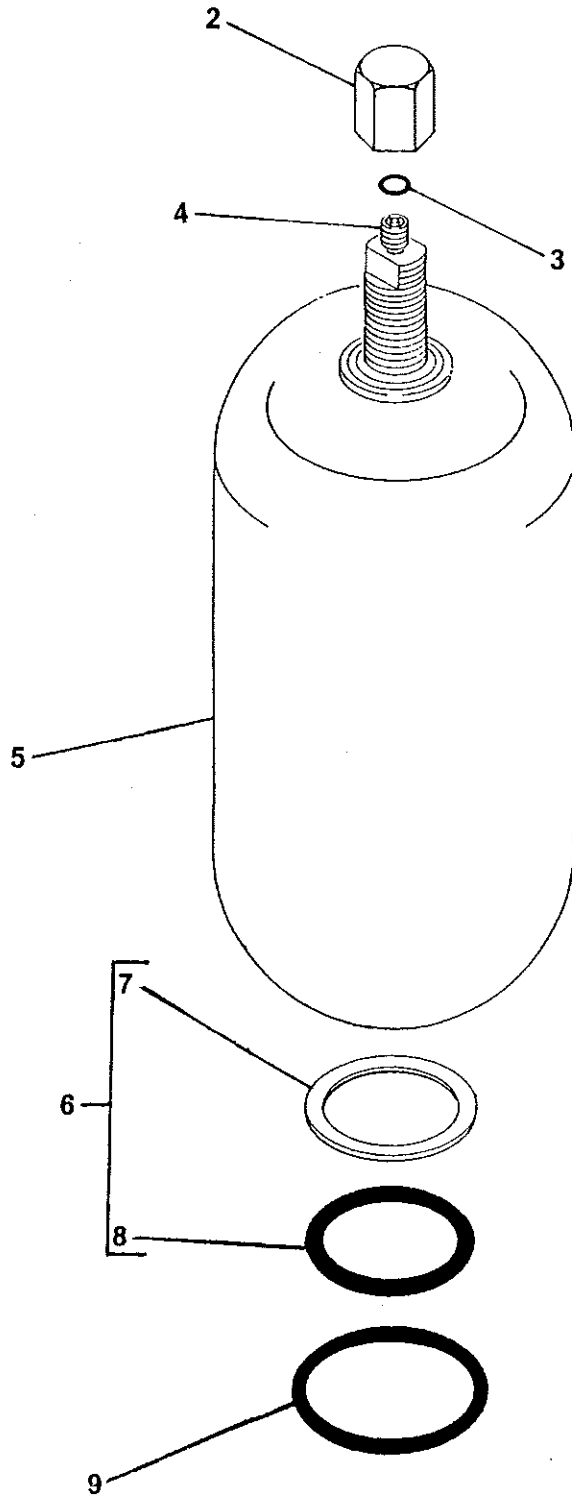
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



ACCUMULATOR BLADDER REPAIR KIT

C50HP
PARTS
GROUP 30
FIGURE 04
PAGE 01





ACCUMULATOR BLADDER REPAIR KIT

C50HP
PARTS
GROUP 30
FIGURE 04
PAGE 02

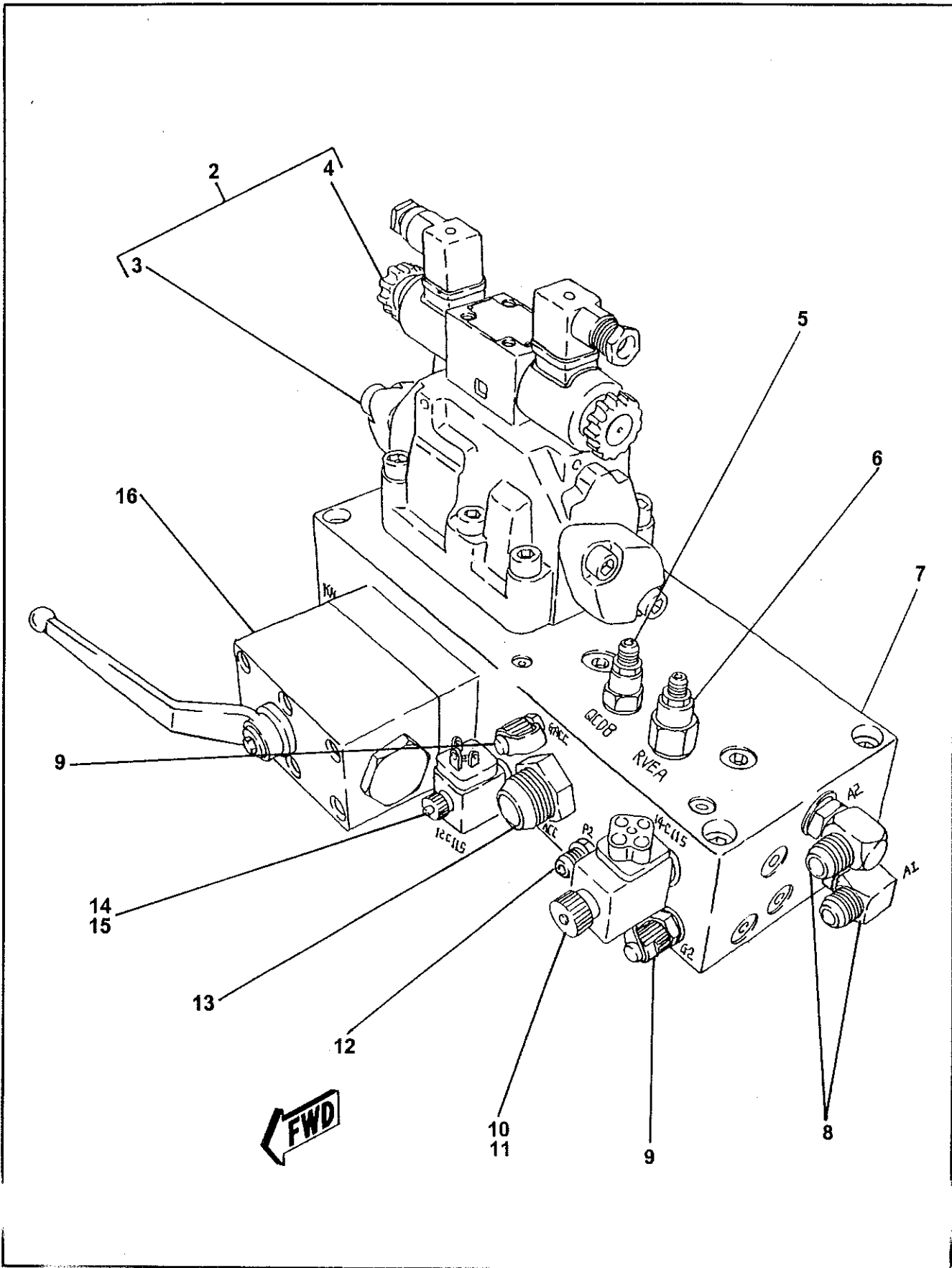
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	30-04	Kit, Bladder Repair (Also See Group 30, Figure 03 for NHA)	Ref
2		• Cap, Valve Seal	1
3		• O-Ring	1
4		• Core, Gas Valve	1
5	74516	• Bladder, 1 Gal	1
6	85812	• Kit, Bladder Seal	1
7		• • Ring, Flat	1
8		• • O-Ring	1
9		• Ring, Back Up	1

DASH (-) ITEM NOT ILLUSTRATED

REED

SWING TUBE CIRCUIT MANIFOLD ASSEMBLY

C50HP
PARTS
GROUP 30
FIGURE 05
PAGE 01



REV



SWING TUBE CIRCUIT MANIFOLD ASSEMBLY

C50HP
PARTS
GROUP 30
FIGURE 05
PAGE 02

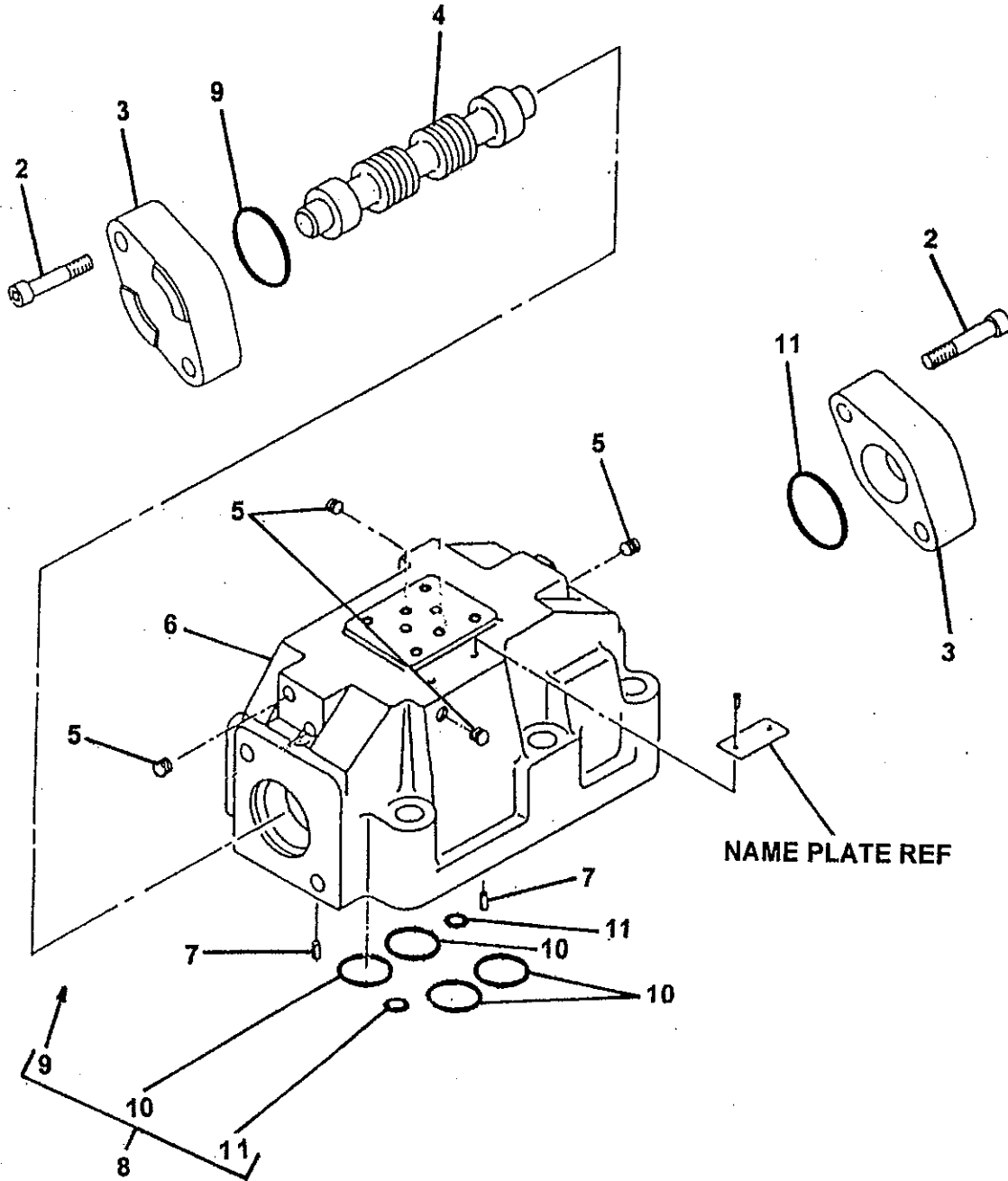
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85249	Assembly, Swing Tube Circuit Manifold (See Group 30, Figure 02 for NHA)					Ref
2	85693	• Assembly, Swing Tube Circuit Solenoid Valve					1
3	85694	• • Assembly, Swing Tube Circuit Main Solenoid Valve (See Group 30, Figure 06 for DET)					1
4	85695	• • Assembly, Swing Tube Circuit Pilot Solenoid Valve (See Group 30, Figure 07 for DET)					1
5	85704	• Cartridge, Unloader Valve					1
6	85703	• Cartridge, Relief Valve					1
7	86821	• 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 08 for DET)					1

DASH (-) ITEM NOT ILLUSTRATED

REED

SWING TUBE CIRCUIT MAIN SOLENOID VALVE ASSEMBLY

C50HP
PARTS
GROUP 30
FIGURE 06
PAGE 01



REVISION:



**SWING TUBE CIRCUIT
MAIN SOLENOID VALVE ASSEMBLY**

**C50HP
PARTS
GROUP 30
FIGURE 06
PAGE 02**

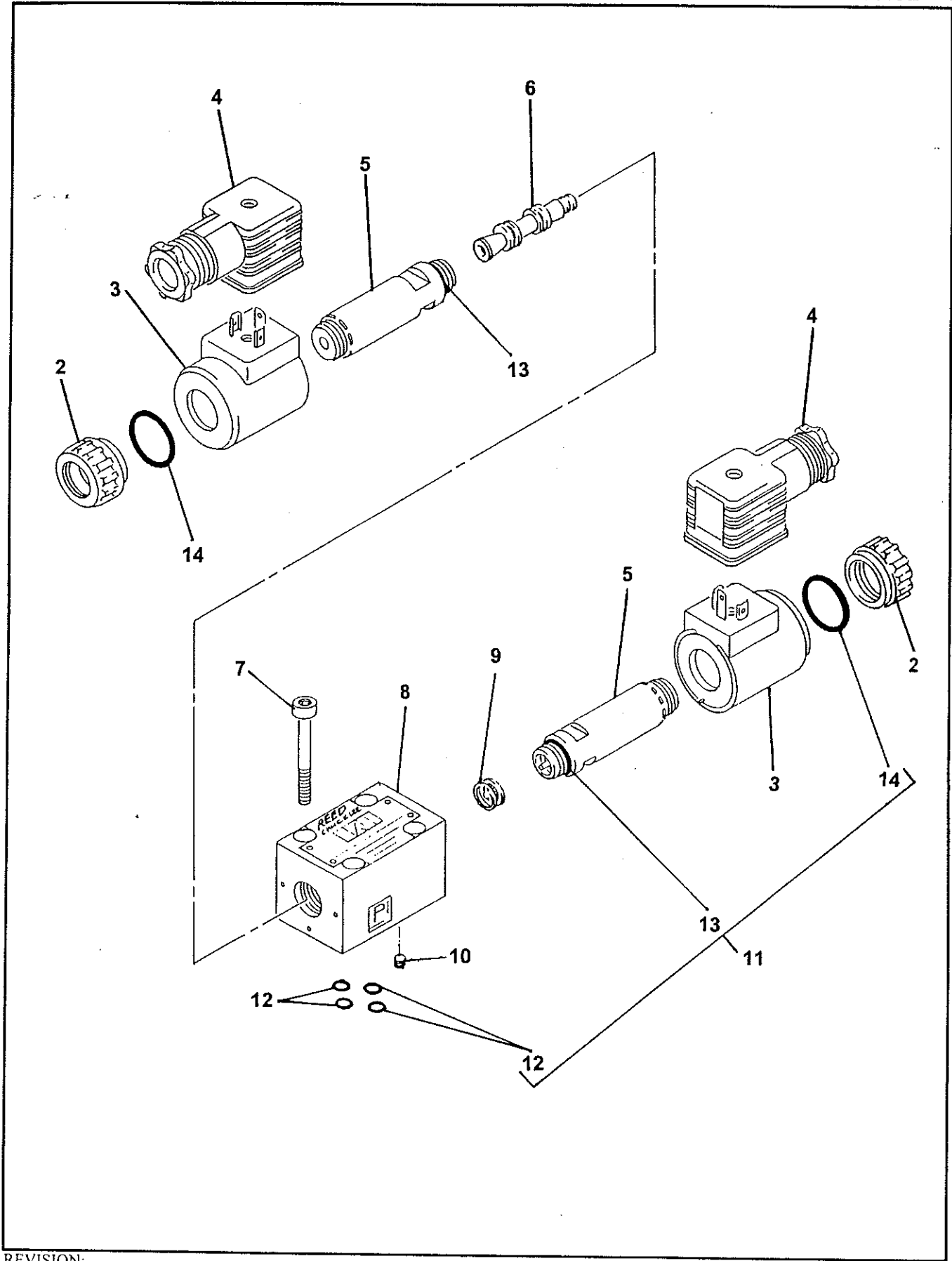
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85694	Assembly, Swing Tube Circuit Main Solenoid Valve (See Group 30, Figure 05 for NHA)	Ref
2		• Screw, SOC	4
3		• Cover	2
4		• Spool	1
5		• Plug	4
6		• Housing, Cartridge	1
7		• Pin, Grooved	2
8	74994	• Kit, Seal	1
9		•• O-Ring	2
10		•• O-Ring	4
11		•• O-Ring	2

DASH (-) ITEM NOT ILLUSTRATED



SWING TUBE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

C50HP
PARTS
GROUP 30
FIGURE 07
PAGE 01



REVISION:

REED**SWING TUBE CIRCUIT
PILOT SOLENOID VALVE ASSEMBLY****C50HP****PARTS**

GROUP 30

FIGURE 07

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85695	Assembly, Swing Tube Circuit Pilot Solenoid Valve (See Group 30, Figure 05 for NHA)	Ref
2		• Cap, Coil	2
3	85692	• Coil, Solenoid	2
4	74597	• Connector, Plug	2
5		• Amature	2
6		• Spool	1
7		• Screw, SOC	4
8		• Housing, Solenoid Valve	1
9		• Detent	1
10		• Orifice	1
11	72313	• Kit, O-ring	1
12		• • O-Ring	4
13		• • O-ring	2
14		• • O-ring	2

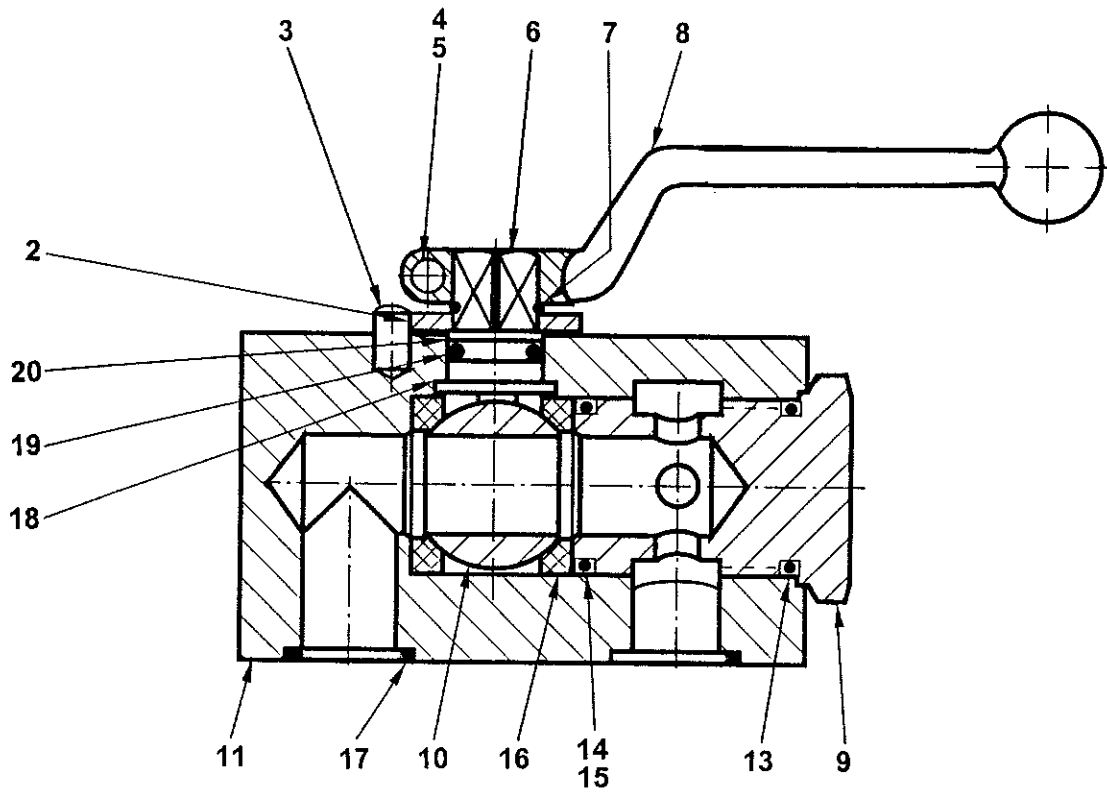
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



BALL VAVE ASSEMBLY

C50HP
PARTS
GROUP 30
FIGURE 08
PAGE 01



REVISION:

REED**BALL VAVE ASSEMBLY****C50HP****PARTS**

GROUP 30

FIGURE 08

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85705	Assembly, Ball Valve (See Group 30, Figure 05 for NHA)					Ref
2		• Washer, Limit					1
3		• Pin, Stop					1
4		• Bolt, Hex					1
5		• Nut, Hex					1
6		• Handle, Control					1
7		• Spindle, Control					1
8		• Retainer, Spring					1
9		• Plug					1
10		• Ball					1
11		• Housing					1
-12		• Kit, Seal					1
13		•• O-Ring					1
14		•• O-Ring					1
15		•• Ring, Back Up					1
16		•• Seal, Bowl					2
17		•• O-Ring					1
18		•• Washer, Thrust					1
19		•• O-Ring					1
20		•• Ring, Back Up					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

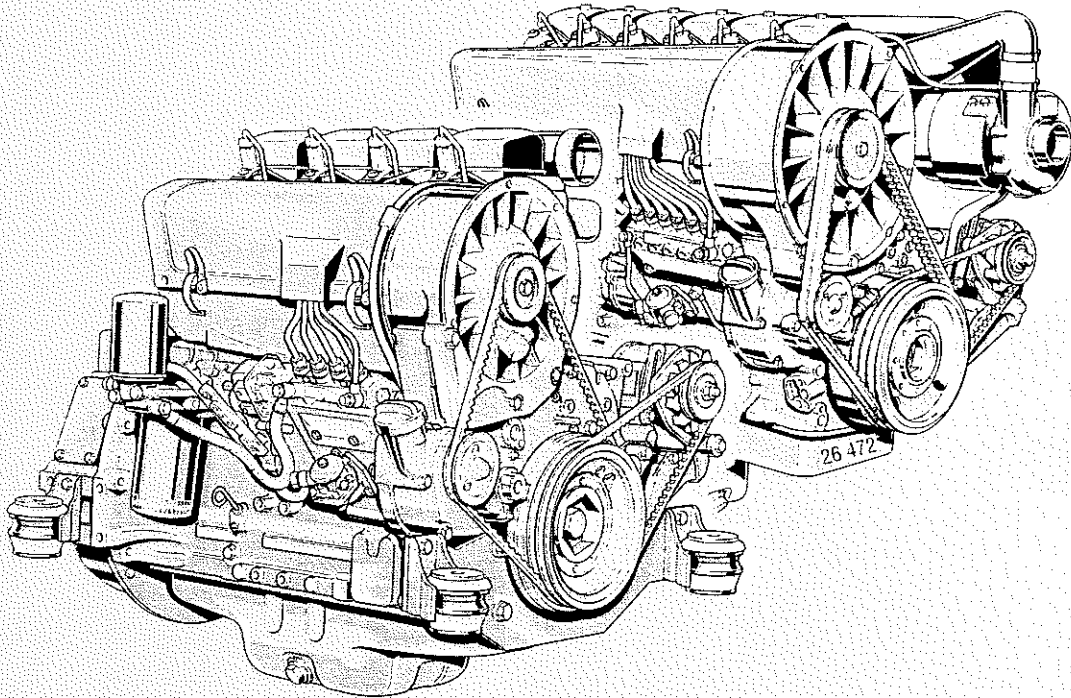
REED

TRAILER MOUNTED PUMP MODEL C50HP
ILLUSTRATED PARTS MANUAL

C50HP
PARTS
GROUP 30
FIGURE 09
PAGE 01

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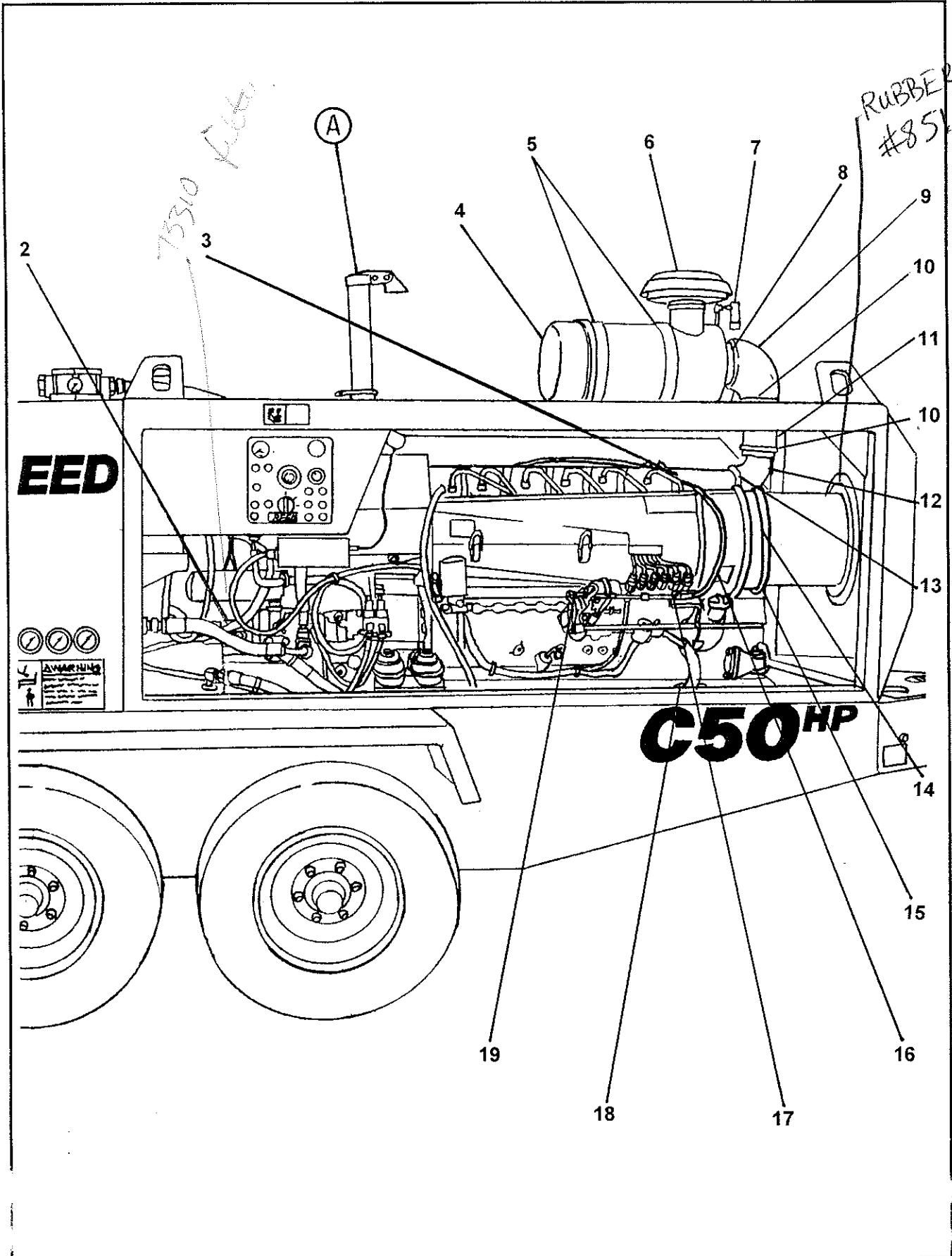
REED TRAILER MOUNTED CONCRETE PUMP MODEL **C50HP** ILLUSTRATED PARTS MANUAL GROUP 40 POWER TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- | | |
|------------------|---|
| FIGURE 00 | TABLE OF CONTENTS |
| FIGURE 01 | POWER TRAIN INSTALLATION |
| FIGURE 02 | POWER TRAIN ASSEMBLY |
| FIGURE 03 | DOUBLE AUXILIARY PUMP ASSEMBLY |
| FIGURE 04 | SINGLE AUXILIARY PUMP ASSEMBLY (OPTIONAL) |
| FIGURE 06 | HOT OIL SHUTTLE ASSEMBLY |
| FIGURE 06 | MAIN HYDRAULIC PUMP ASSEMBLY |
| FIGURE 07 | BATTERY MOUNTING ASSEMBLY |



POWER TRAIN INSTALLATION

C50HP
PARTS
GROUP 40
FIGURE 01
PAGE 01



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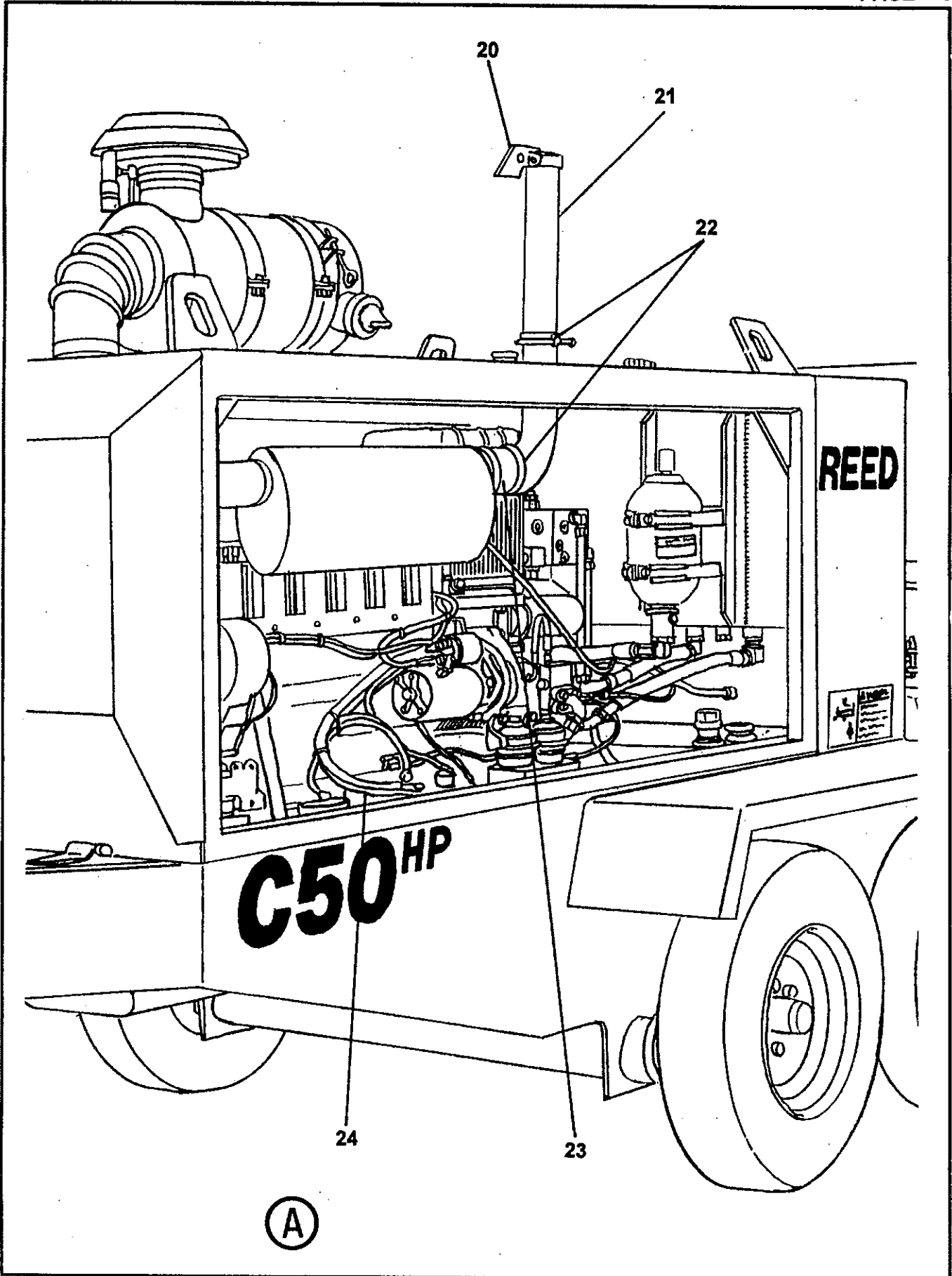
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	40-01	Installation, Power Train (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	85307	• Assembly, Power Train (See Group 40, Figure 02 for DET)					1
3	77486	• Sleeve, Intake					1
4	73485	• Cleaner, Air					1
4A	73584	Element					1
5	77343	• Clamp, Air Cleaner Mount					2
6	73486	• Hood, Air Cleaner					1
7	78298	• Indicator, Vacuum gauge					1
8	78000	• Clamp					1
9	73487	• Elbow, Rubber					1
10	77477	• Clamp, Voss					2
11	69358	• Pipe, Alumn Stack					1
12	73479	• Elbow					1
13	73532	• Clamp, T Server					1
14	85433	• Ring, Air Intake					1
15	85422	• Ring, Air Guide Brush					1
16	73313	• Cable, Throttle Control					1
17	71009	• U-Clip, Throttle Cable					1
18	76951	• Filter, Water Separator					1
-18A	79794	• • Element, Water Separator Filter					1
19	71020	• Ends, Yoke					1
20	73475	• Cap, Rain					1
21	77255	• Pipe, Exhaust Stack					1
22	77258	• Clamp					2
23	73426	• Reducer, Exhaust Pipe					1
24	40-07	• Assembly, Battery Mounting (See Group 40, Figure 06 for DET)					1
-25	85399	• Assembly, Engine Wiring Harness (See Schematic Section for REF)					1

DASH (-) ITEM NOT ILLUSTRATED



POWER TRAIN INSTALLATION

C50HP
PARTS
GROUP 40
FIGURE 01
PAGE 03



REVISION:

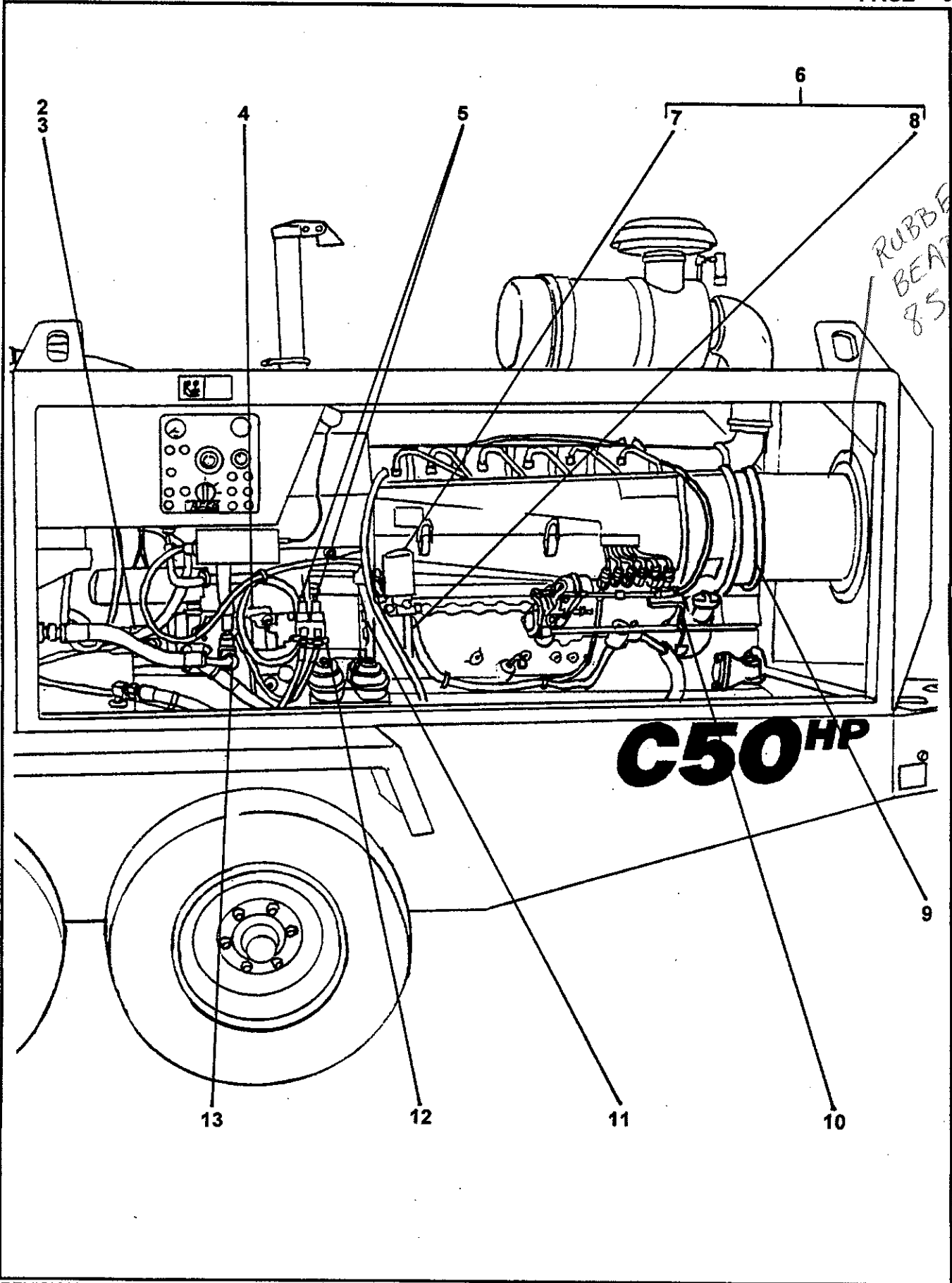
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	40-01	Installation, Power Train (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	85307	• Assembly, Power Train (See Group 40, Figure 02 for DET)					1
3	77486	• Sleeve, Intake					1
4	73485	• Cleaner, Air					1
5	77343	• Clamp, Air Cleaner Mount					2
6	73486	• Hood, Air Cleaner					1
7	78298	• Indicator, Vaccum gauge					1
8	78000	• Clamp					1
9	73487	• Elbow, Rubber					1
10	77477	• Clamp, Voss					2
11	69358	• Pipe, Alumn Stack					1
12	73479	• Elbow					1
13	73532	• Clamp, T Server					1
14	85433	• Ring, Air Intake					1
15	85422	• Ring, Air Guide Brush					1
16	73313	• Cable, Throttle Control					1
17	71009	• U-Clip, Throttle Cable					1
18	76951	• Filter, Water Separator					1
-18A	79794	• • Element, Water Separator Filter					1
19	71020	• Ends, Yoke					1
20	73475	• Cap, Rain					1
21	86495	• Pipe, Exhaust Stack					1
22	77258	• Clamp					2
23	73426	• Reducer, Exhaust Pipe					1
24	40-07	• Assembly, Battery Mounting (See Group 40, Figure 06 for DET)					1
-25	85399	• Assembly, Engine Wiring Harness (See Schematic Section for REF)					1

DASH (-) ITEM NOT ILLUSTRATED



POWER TRAIN ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 02
PAGE 01



REVISION:

REED**POWER TRAIN ASSEMBLY****C50HP
PARTS
GROUP 40
FIGURE 02
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85307	Assembly, Power Train (See Group 40, Figure 01 for NHA)					Ref
2	73156	• Assembly, Double Auxiliary Pump (See Group 40, Figure 03 for DET)					1
3	72978	• Assembly, Single Auxiliary Pump (Optional Item) (See Group 40, Figure 04 for NHA)					1
4	72980	• Assembly, Hot Oil Shuttle (See Group 40, Figure 05 for DET)					1
5	800074	• Limiter, Remote Pressure					2
6	71150	• Assembly, C50HP Deutz Engine (See Vendor Section, Figure 01 for REF)					1
7	74501	• • Element, Fuel Filter					1
8	71156	• • Element, Engine Oil Filter 75343 (2 LITER)					1
9	76923	• Ring, Air Brush					1
10	73848	• Bracket, Throttle					1
11	73948	• Assembly, Flywheel Coupling					1
12	72128	• Bracket, Remote Pressure Limiter					1
13	75864	• Assembly, C50HP Main Pump (See Group 40, Figure 06 for DET) (Also See Vendor Section, Figure 02 for REF)					1
-14	85887	• Valve, Shuttle					1

DASH (-) ITEM NOT ILLUSTRATED

REED**DOUBLE AUXILIARY PUMP ASSEMBLY****C50HP
PARTS
GROUP 40
FIGURE 03
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	73156	Assembly Double Auxiliary Pump (See Group 40, Figure 02 for NHA)					Ref
2		• Retainer					1
3		• Assembly, Body					1
4		• Pin, Dowel					4
5		• Bearing, Ball					4
6		• Plate, Wear					2
7		• Gear, Driven					1
8		• Gear, Drive					1
9		• Plate, Thrust					2
10		• Assembly, Middle Body					1
11		• Gear, Rear Driven					1
12		• Cover, Rear Drive					1
13		• Plug, Pipe					1
14		• Assembly, Cover					1
15		• Washer, Flat (attaching parts)					4
16		• Screw, Hex (attaching parts)					4
-17	79598	• Kit, Seal					1
18		• • Seal, Shaft					1
19		• • Rubber, Space					2
20		• • Ring, Square Cut					2

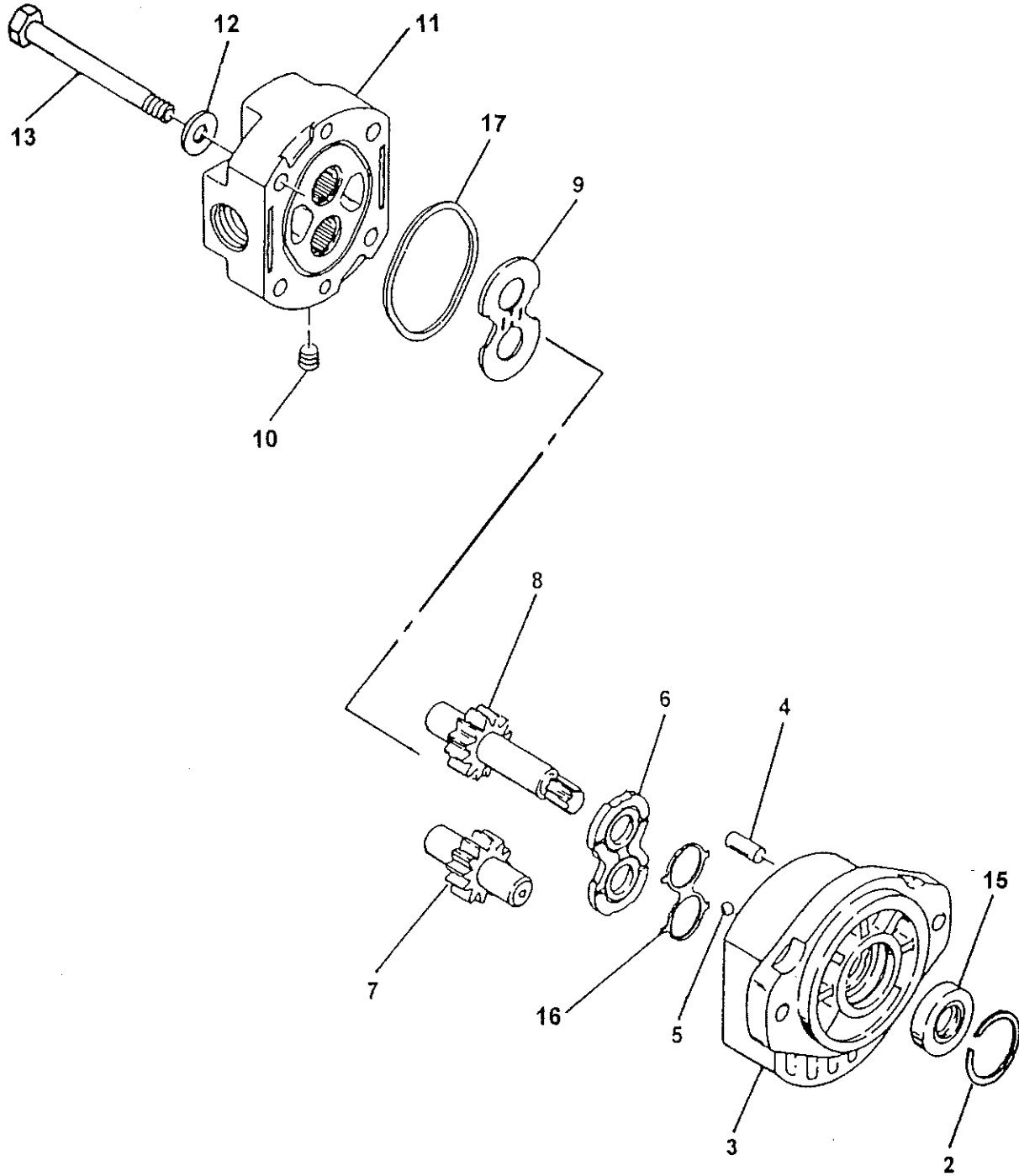
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

SINGLE AUXILIARY PUMP ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 04
PAGE 01

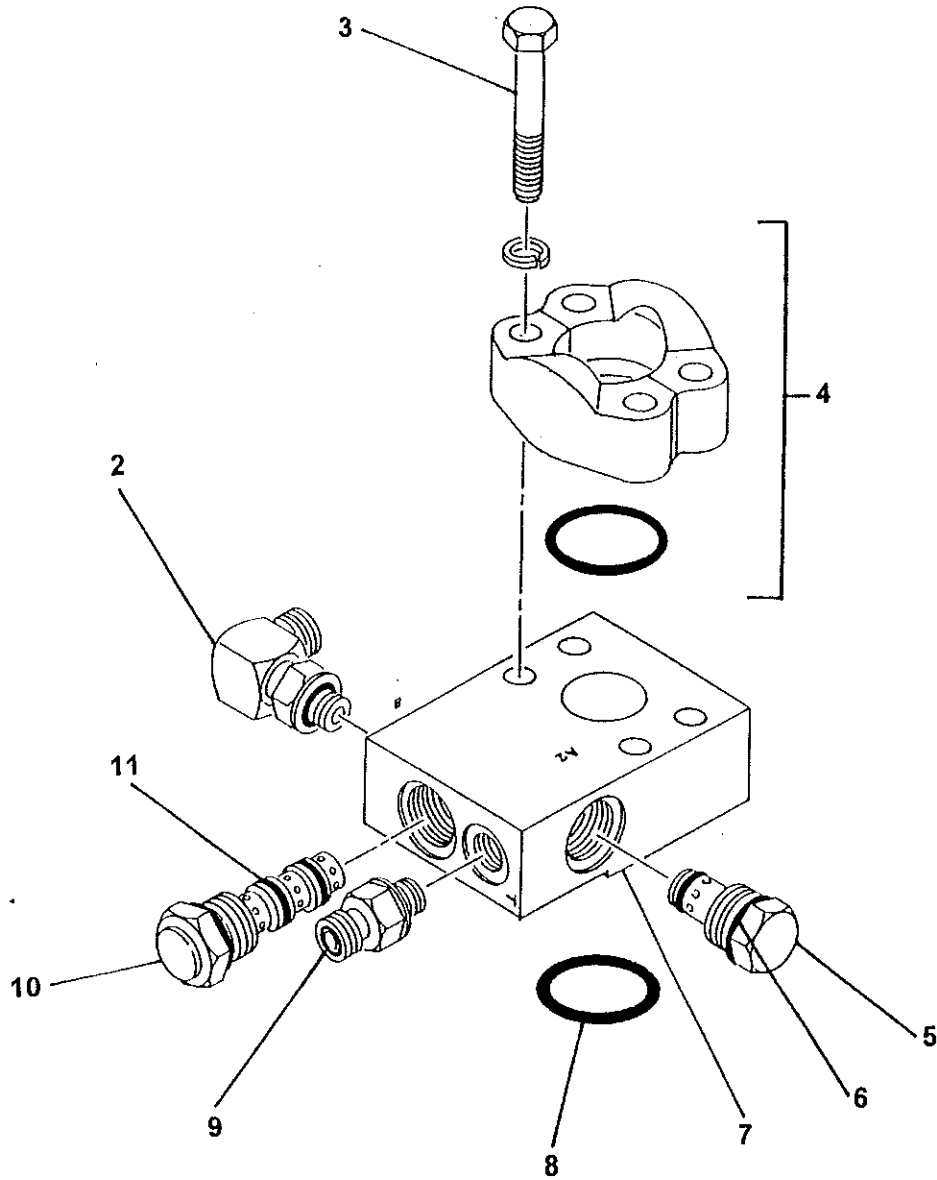


REVISION:

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

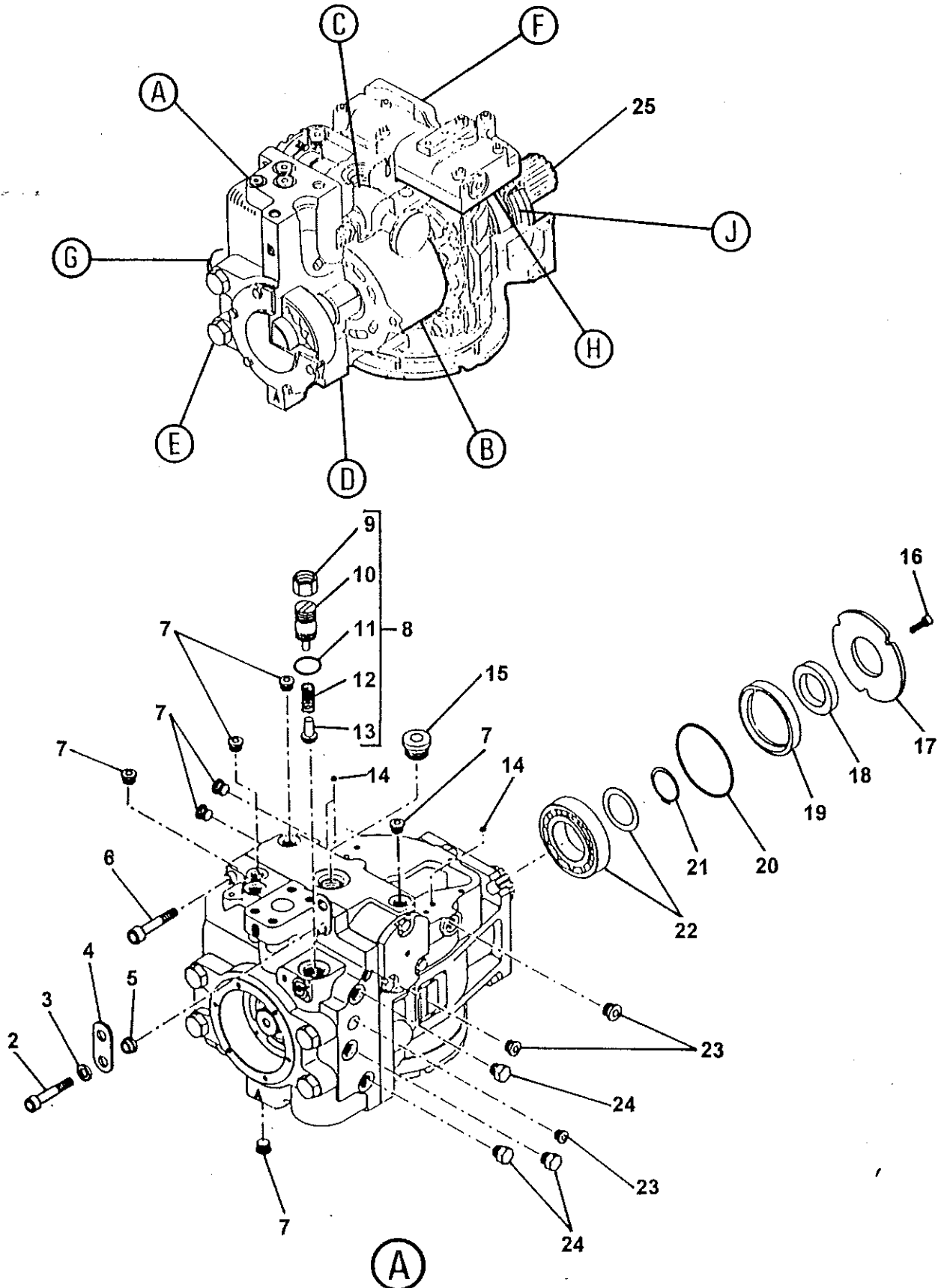
DASH (-) ITEM NOT ILLUSTRATED

HOT OIL SHUTTLE ASSEMBLY



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	72980	Assembly, Hot Oil Shuttle (See Group 40, Figure 02 for NHA)	Ref
2		• Fitting, 90	1
3		• Bolt, Hex	4
4		• Kit, Flange	1
5	73157	• Cartridge, Check Valve	1
6	73251	• • Kit, Check Valve Cartridge Seal	1
7	73146	• Manifold, Hot Oil Shuttle	1
8		• • O-Ring	1
9		• Filter, STR FS6400-6-6	1
10	73185	• Cartridge, Hot Oil Shuttle	1
11	73204	• • Kit, Hot Oil Shuttle Cartridge Seal	1

DASH (-) ITEM NOT ILLUSTRATED



REED**MAIN HYDRAULIC PUMP ASSEMBLY****C50HP
PARTS
GROUP 40
FIGURE 06
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	75864	Assembly, Main Hydraulic Pump (See Group 40, Figure 02 for NHA)					Ref
2		• Screw					1
3		• Washer					1
4		• Bracket, Lifting					1
5		• Spacer					1
6		• Screw					1
7		• Plug					7
8		• Kit, Adjustment Charge Relief					1
9		• • Nut					1
10		• • Assembly, Plug					1
11		• • O-Ring					1
12		• • Spring					1
13		• • Puppet					1
14		• Screen, Control Filter					3
15		• Plug					1
16		• Screw					3
17		• Plate, Retainer					1
18		• Seal, Lip					1
19		• Carrier, Seal					1
20		• O-Ring					1
21		• Ring, Retaining					1
22		• Bearing, Roller					1
23		• Plug					3
24		• Plug					3
25		• Shaft, 13T					1

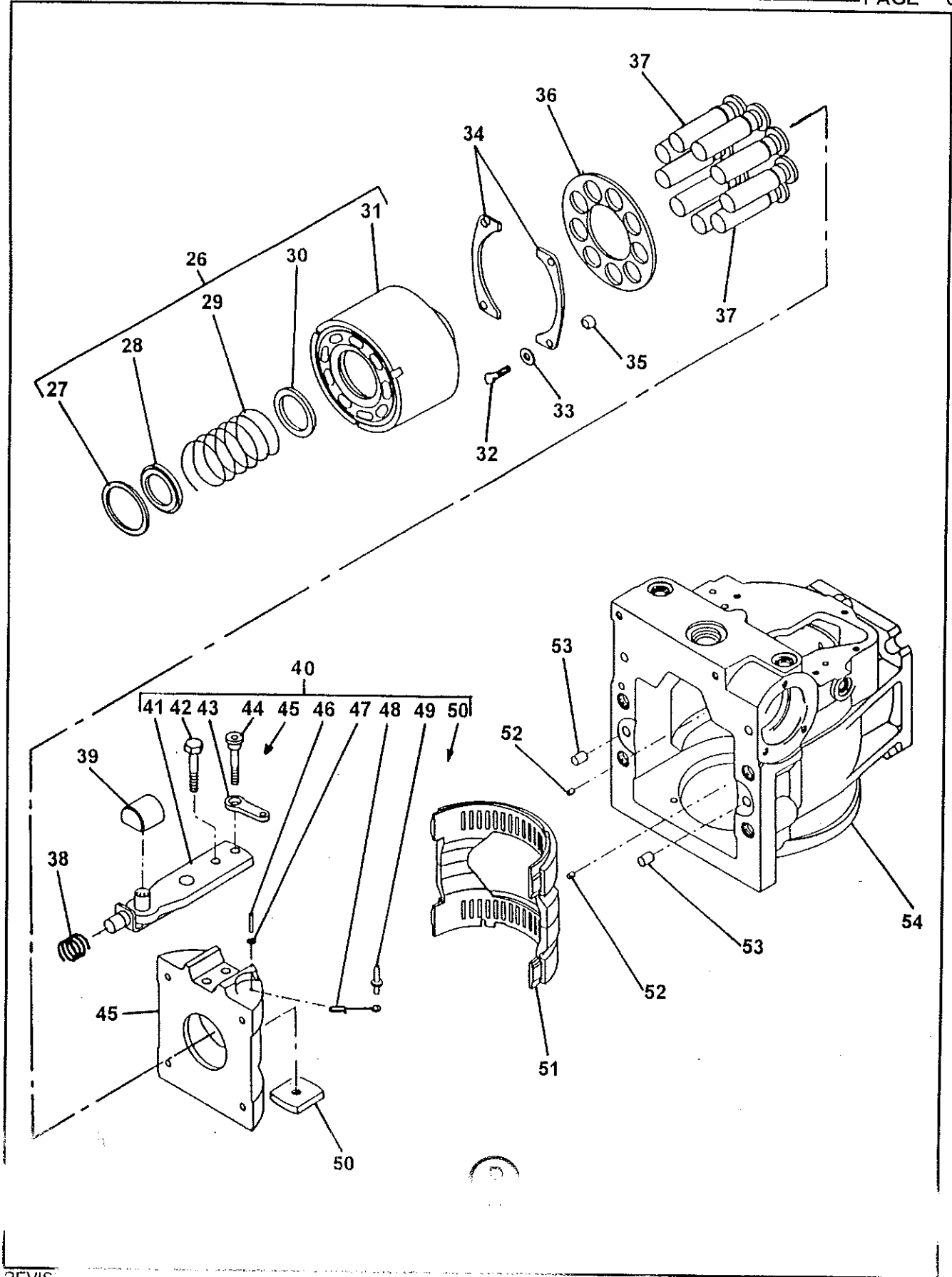
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



MAIN HYDRAULIC PUMP ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 06
PAGE 03



REED**MAIN HYDRAULIC PUMP ASSEMBLY****C50HP**
PARTS
GROUP 40
FIGURE 06
PAGE 04

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
26		• Kit, Cylinder Block					1
27		• • Ring, Retaining					1
28		• • Retainer, Spring					1
29		• • Spring, Cylinder Block					1
30		• • Seat, Spring					1
31		• • Assembly, Cylinder					1
32		• Screw					4
33		• Washer					4
34		• Guide, Slipper Brg					1
35		• Spacer					1
36		• Guide, Slipper					4
37		• Piston, Welded					9
38		• Spring					1
39		• Block, Slider					1
40		• Assembly, Swash plate					1
41		• • Assembly, Servo Arm					1
42		• • Screw					1
43		• • Link, Feedback					1
44		• • Screw					1
45		• • Swash plate					1
46		• • Pin, Sprirl Head					1
47		• • Washer					1
48		• • Link, Cage Locator					1
49		• • Pin					1
50		• • Guide, Swash plate					1
51		• Bearing					1
52		• Pin					2
53		• Pin					2
54		• Housing, Variable					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



MAIN HYDRAULIC PUMP ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 06
PAGE 06

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
55		• Kit, Servo Sleeve	2
56		• • Screw	3
57		• • Sleeve, Servo	1
58		• • O-Ring	1
59		• • O-Ring	1
60		• Kit, Servo Piston	1
61		• • Ring, Piston	2
62		• • O-Ring	2
63		• • Piston, Servo	1
64		• Kit, Side Port End Cap	1
65		• • Bushing	1
66		• • Cap, End	1
67		• • Bearing, Journal	1
68		• Plug	1
69		• Clamp, Split	4
70		• Screw	4
71		• Gasket, End Cap	1
72		• Screw	1

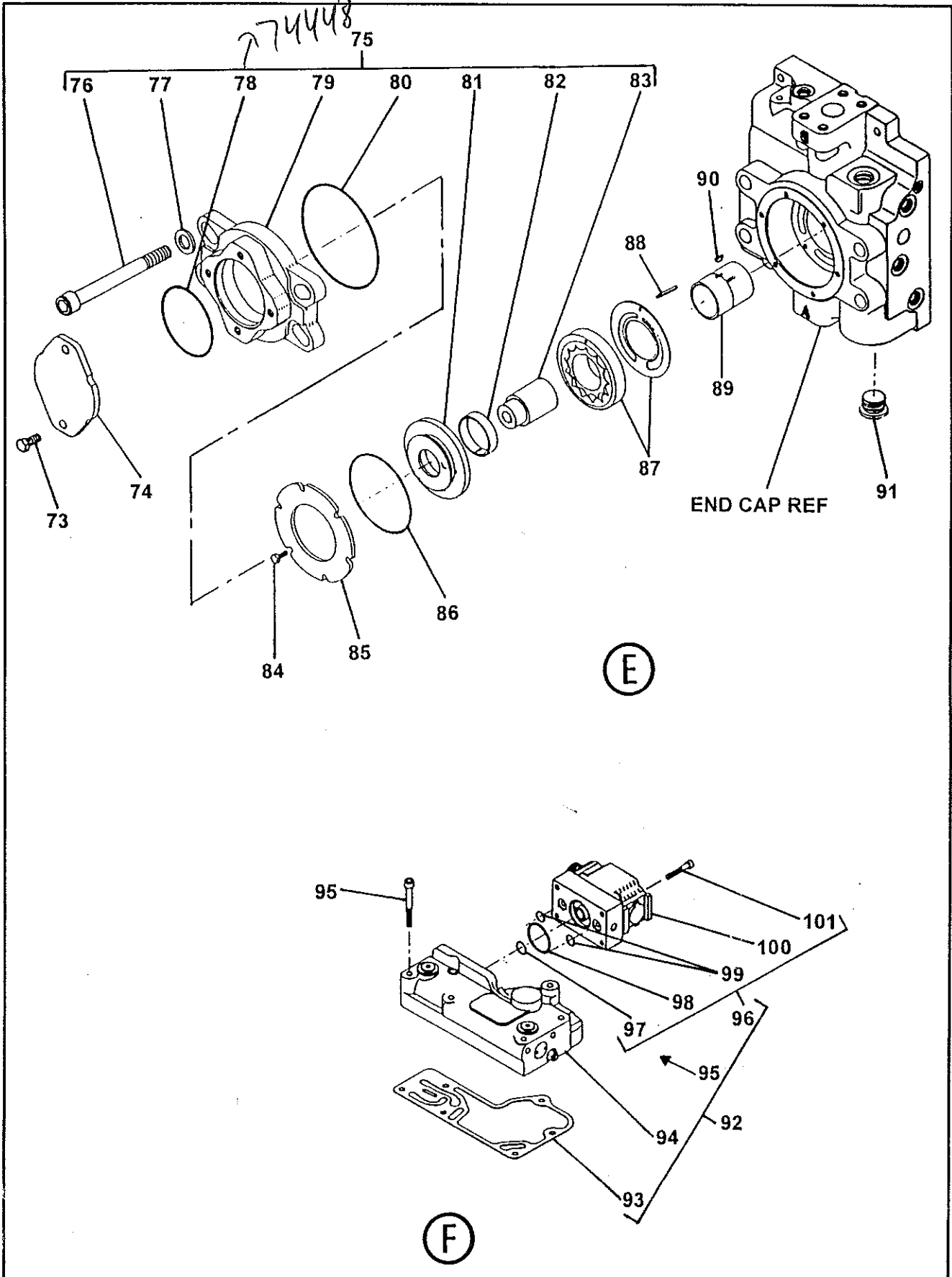
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

MAIN HYDRAULIC PUMP ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 06
PAGE 07



REVISION:



MAIN HYDRAULIC PUMP ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 06
PAGE 08

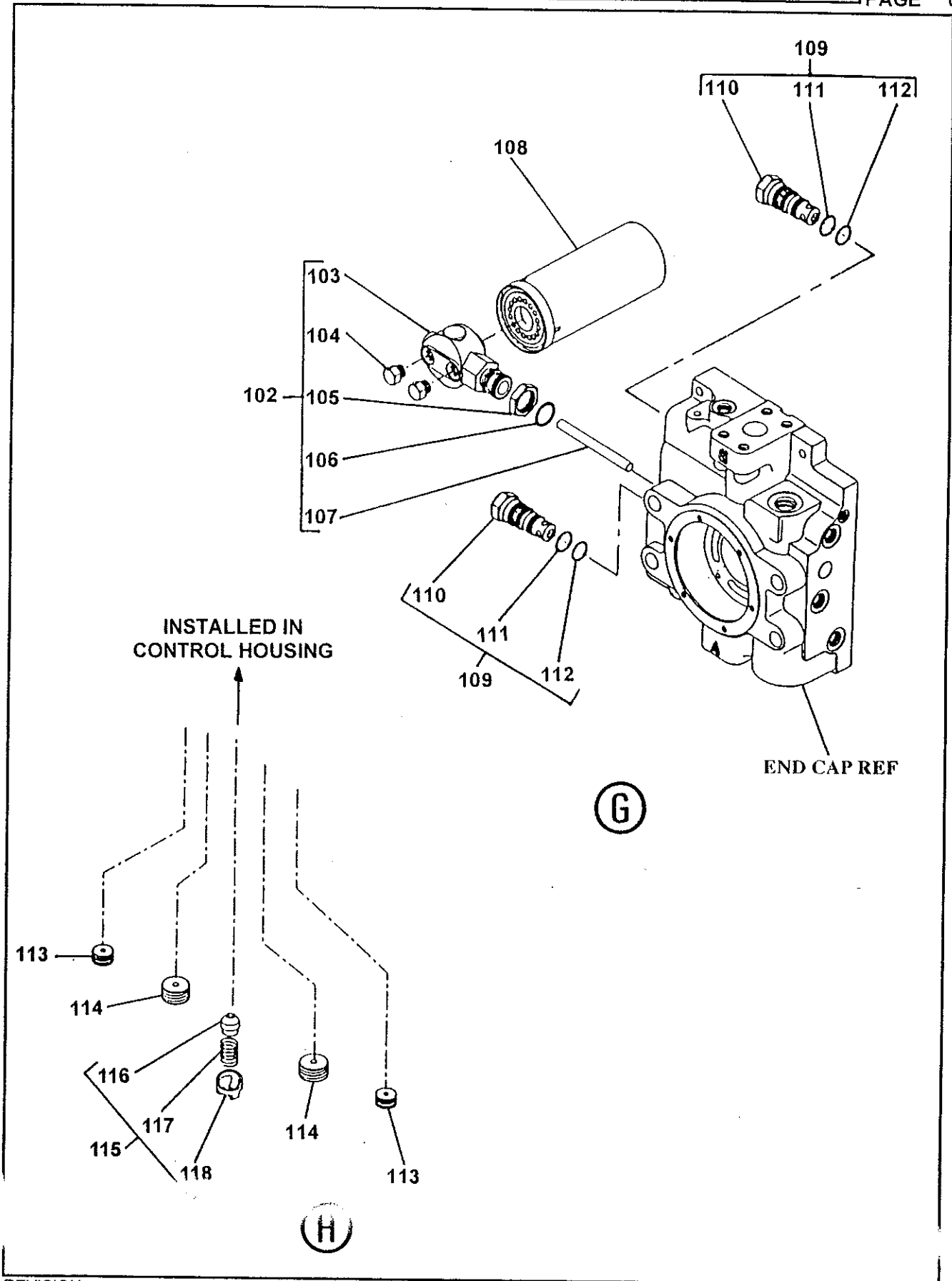
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
73						• Screw	2
74						• Plate, Cover	1
75						• Kit, Auxiliary Mounting Flange	1
76						• • Screw	4
77						• • Washer	4
78	74448					• • O-Ring	1
79						• • Adapter, Flange	1
80						• • O-Ring	1
81						• • Assembly, Cover	1
82						• • • Bushing	1
83						• • Coupling	1
84						• Screw	6
85						• Plate, Retaining	1
86						• O-Ring	1
87						• Pump, Charge	1
88						• Pin	1
89						• Shaft, Charge Pump	1
90						• Key	1
91						• Plug	1
92						• Kit, EDC1 Connector	1
93						• • Gasket, Control	1
94						• • Connector, EDC1	1
95						• • Screw	6
96						• • Sub - Kit, PCP Type	1
97						• • • O-Ring	1
98						• • • O-Ring	1
99						• • • O-ring	2
100						• • • PCP	1
101						• • • Screw	4

DASH (-) ITEM NOT ILLUSTRATED



MAIN HYDRAULIC PUMP ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 06
PAGE 09



REVISION:

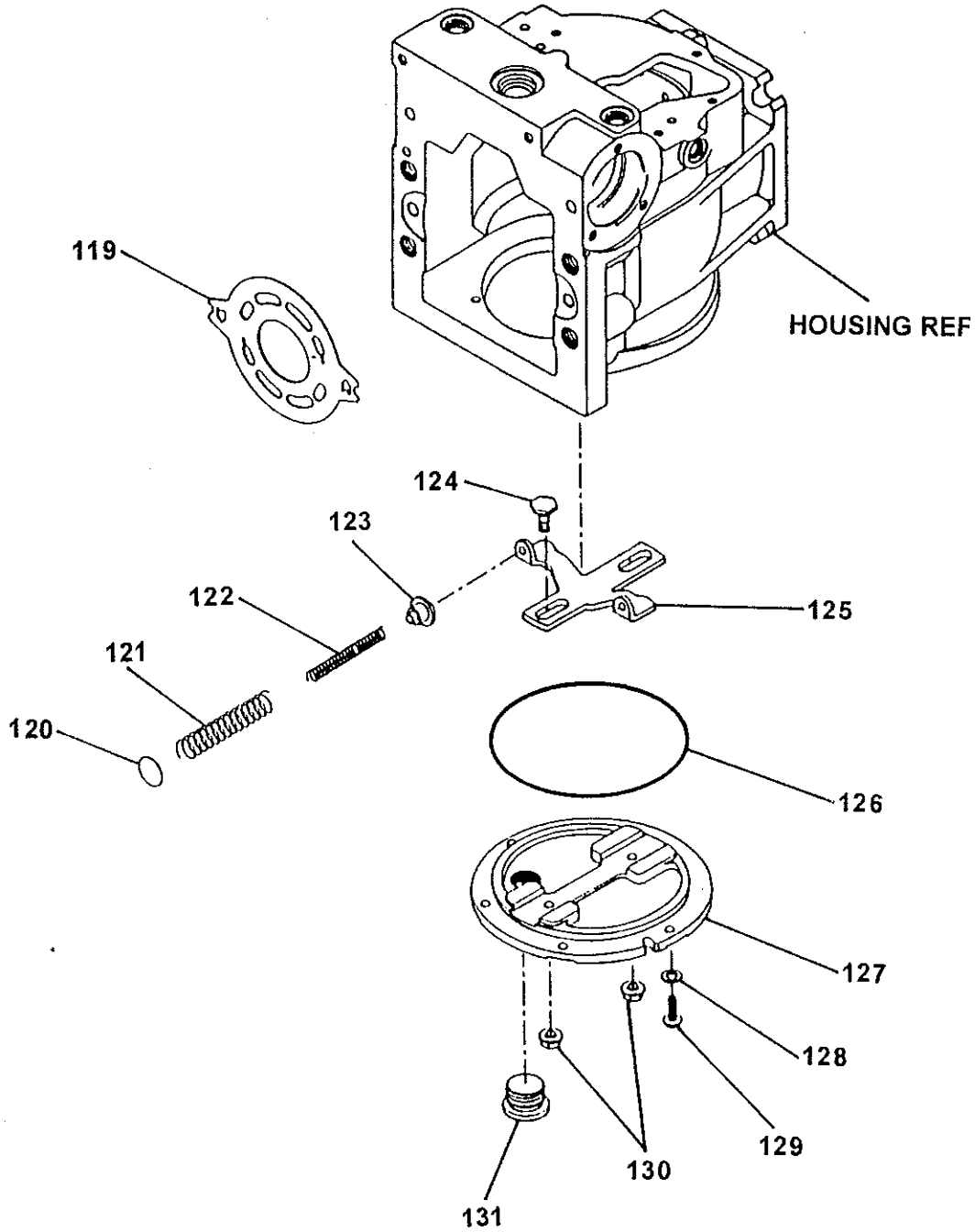


MAIN HYDRAULIC PUMP ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 06
PAGE 10

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
102		• Kit, Filtration Manifold					1
103		• • Manifold, Filtration					1
104		• • Plug					2
105		• • Nut					1
106		• • O-Ring					1
107		• • Tube					1
108	73310	• Filter, Hydraulic Oil					1
109	72866	• Kit, Multi - Function Valve					2
110		• • Valve, Multi - Function					1
111		• • O-Ring					1
112		• • O-Ring					1
113		• Plug, M5 x 6					2
114		• Plug, M8 x 8					2
115		• Kit, Control Orifice					1
116		• • Valve, Orifice Check					1
117		• • Spring					1
118		• • Retainer, Spring					1

DASH (-) ITEM NOT ILLUSTRATED



J



MAIN HYDRAULIC PUMP ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 06
PAGE 12

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
119		• Plate, Pump Valve	1
120		• Shim	2
121		• Spring	2
122		• Spring	2
123		• Seat, Spring	2
124		• Post, Guide	2
125		• Leveler	1
126		• O-Ring	1
127		• Cover, Side	1
128		• Washer	6
129		• Screw	6
130		• Nut	2
131		• Plug	1
-132		• Gasket, Manifold	1
-133		• Kit, 100 PV Overhaul Seal (Item Include 11,17, 19, 32, 58, 59, 61, 62, 71, 78, 80, 86, 93, 97, 98, 99, 106, 111, 112, 126, 129, 130 and 132)	1

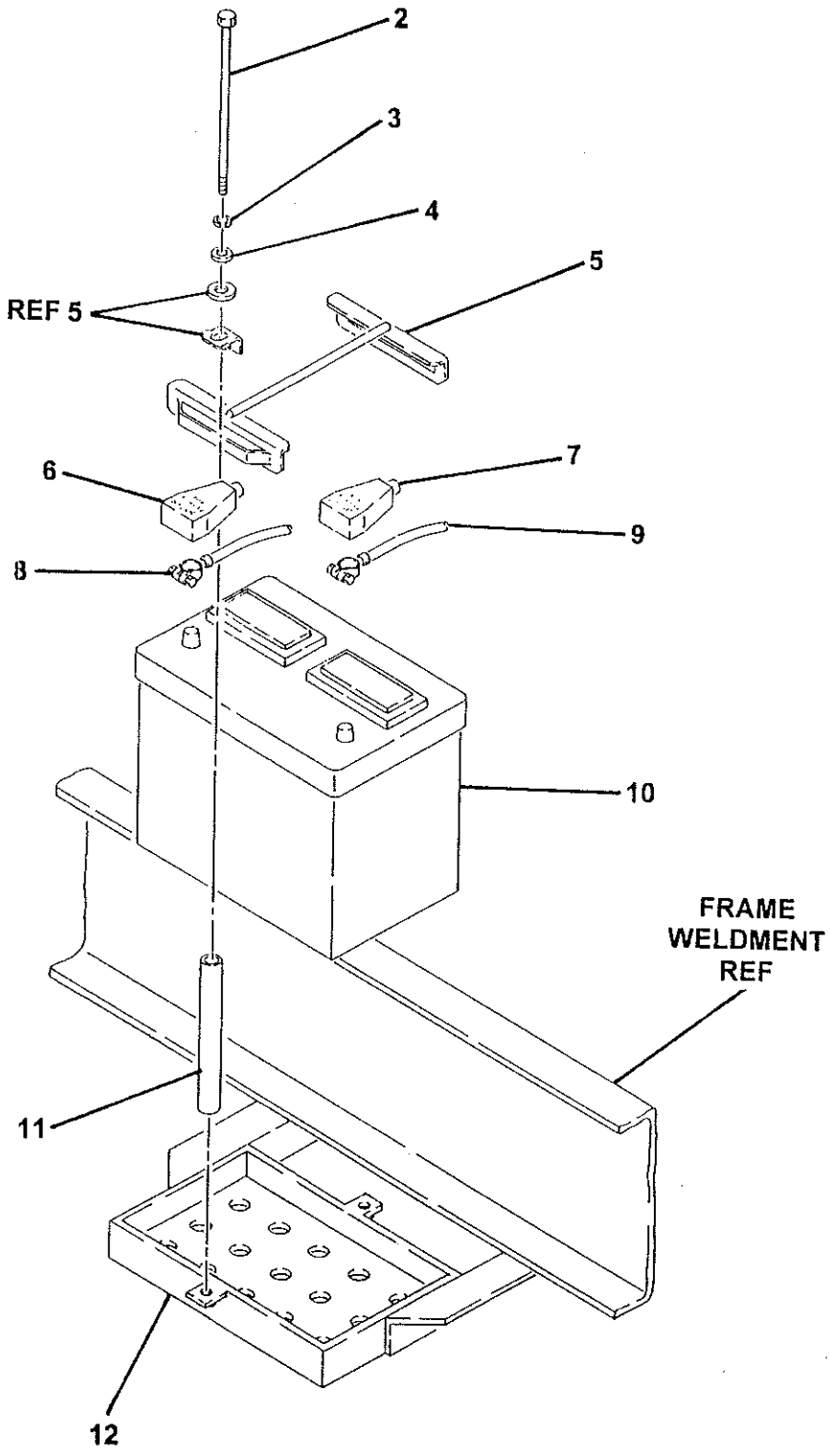
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



BATTERY MOUNTING ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 07
PAGE 01





BATTERY MOUNTING ASSEMBLY

C50HP
PARTS
GROUP 40
FIGURE 07
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	40-06	Assembly, Battery Mounting (See Group 40, Figure 01 for NHA)	Ref
2		• Bolt, Hex	2
3		• Washer, Lock	2
4		• Washer Flat	2
5	72945	• Holder, Battery Down	1
6	77720	• Insulator, Negative Battery (Black)	1
7	77719	• Insulator, Positive Battery (Red)	1
8	75116	• Cable, Negative Battery (Black)	1
9	72016	• Cable, 24 Inch Long Positive Battery (Red)	1
10	77075	• Battery, 12 VDC	1
11	73753	• Spacer, Battery Mounting	2
12	72954	• Weldment, Battery Box	1
-13	72014	• Cable, 36 Inch Long Battery Top	1
-14	85348	• Connector, SPNO 12 VDC	1

DASH (-) ITEM NOT ILLUSTRATED

REED

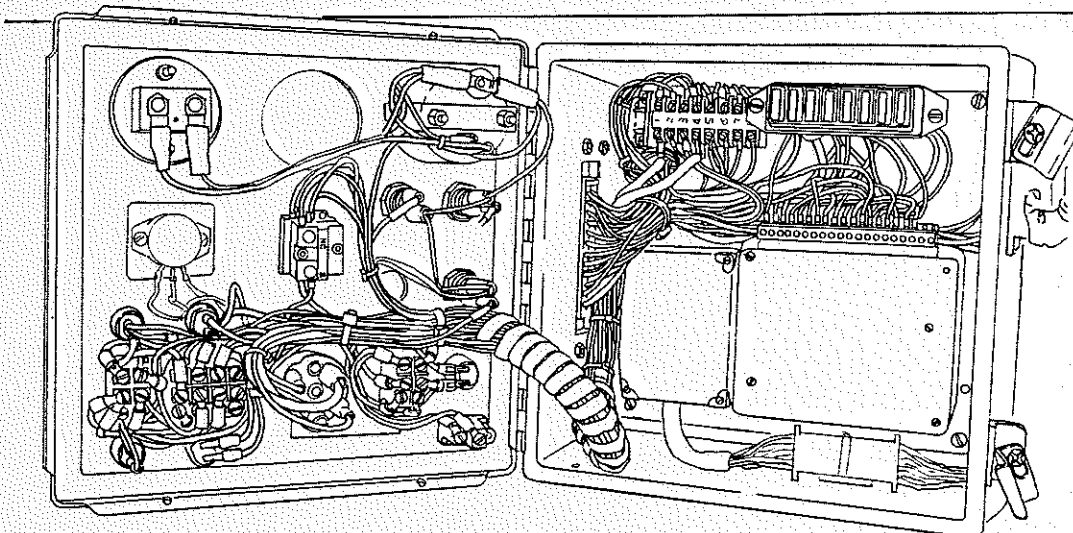
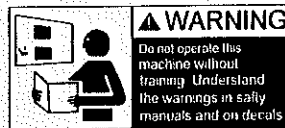
TRAILER MOUNTED PUMP MODEL C50HP
ILLUSTRATED PARTS MANUAL

C50HP
PARTS
GROUP 40
FIGURE 08
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP MODEL **C50HP** ILLUSTRATED PARTS MANUAL GROUP 50 CONTROLS INSTALLATION CONTAINS THE FOLLOWING FIGURES:

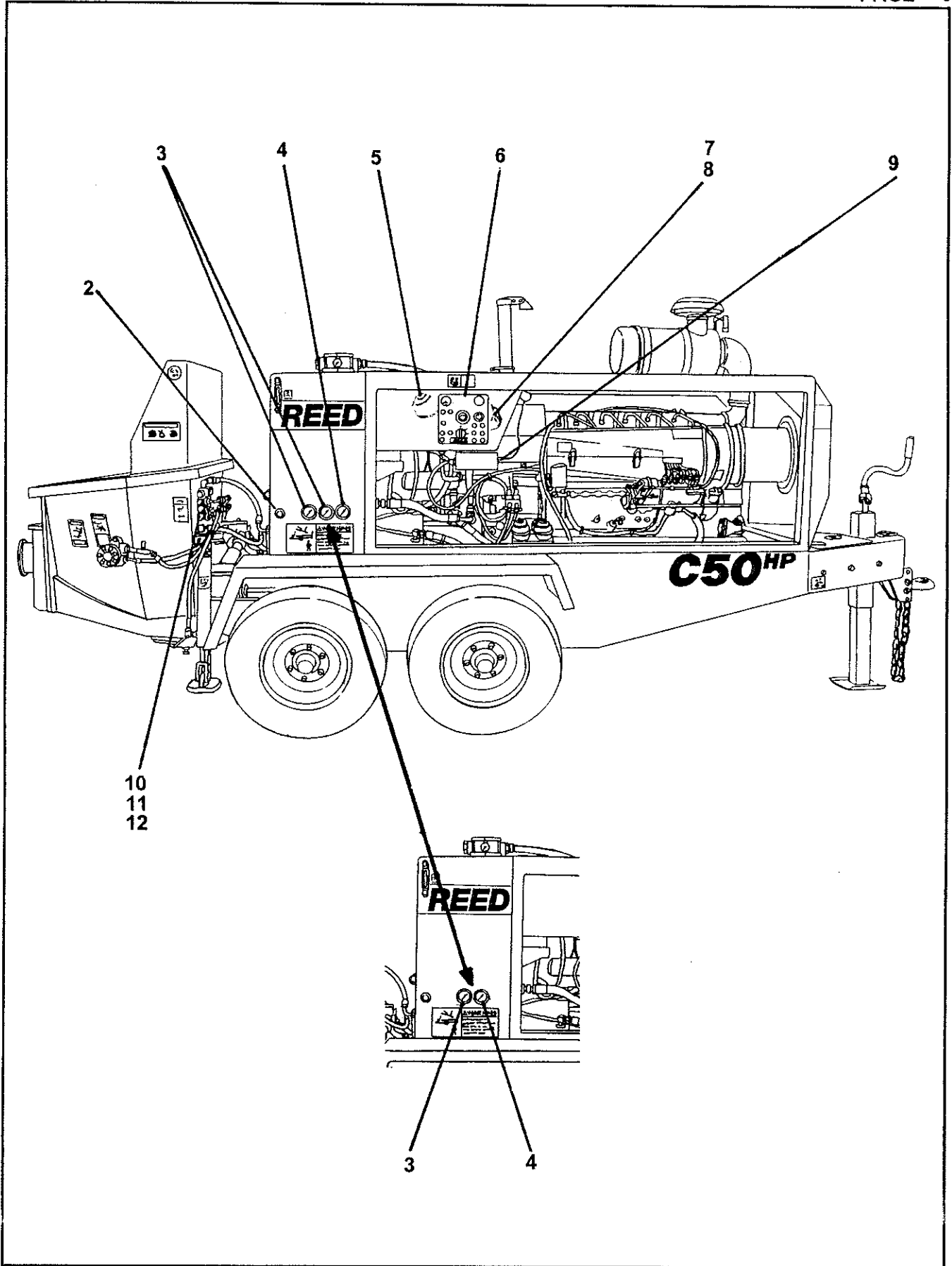
- FIGURE 00 TABLE OF CONTENTS
- FIGURE 01 CONTROLS INSTALLATION
- FIGURE 02 CONTROL BOX ASSEMBLY
- FIGURE 03 50 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 04 100 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 05 RADIO REMOTE CONTROL ASSEMBLY





CONTROL INSTALLATION

C50HP
PARTS
GROUP 50
FIGURE 01
PAGE 01



REVISION:

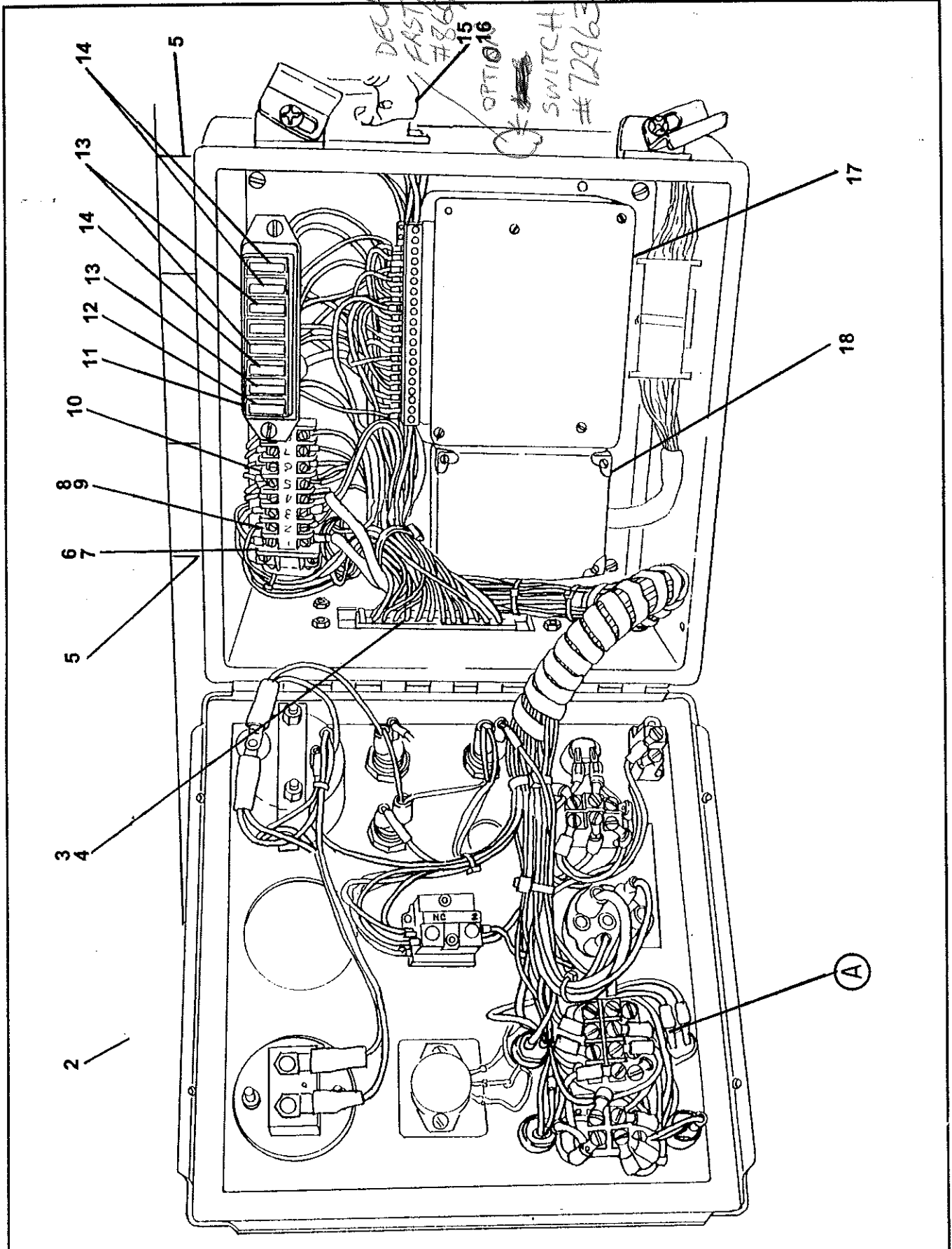
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	50-01	Installation, Control (See Group 10, Figure 01 for NHA)					Ref
2	73313	• Cable, Throttle Control (See Group 40, Figure 01 for REF)					1
3	70366	• Gauge, 3,000 PSI Hydraulic (See Group 30, Figure 02 for REF)					A/R
4	74562	• Gauge, 6,000 PSI Hydraulic (See Group 30, Figure 02 for REF)					1
5	800347	• Horn, 12 V					1
6	85397	• Assembly, Control Box (See Group 50, Figure 02 for DET)					1
7	85398	• Assembly, 50 Feet Cable Remote Control (See Group 50, Figure 03 for DET)					1
8	85398A	• Assembly, 100 Feet Cable Remote Control (See Group 50, Figure 04 for DET)					1
9	85818	• Assembly, Radio Remote Control (Optional Item) (See Group 50, Figure 05 for DET)					1
10	20-07	• Assembly, Agitator/Outriggers Control Valve (Optional Item) (See Group 20, Figure 07 for REF)					1
11	80-15	• Assembly, 1 Spool Valve (Optional Item) (See Group 80, Figure 15 for REF)					1
12	80-17	• Assembly, 2 Spool Valve (Optional Item) (See Group 80, Figure 17 for REF)					1
-13	86532	• Assembly, Trailer Wiring Harness (See Schematic Section for REF)					1
-14	85399	• Assembly, Engine Wiring Harness (See Schematic Section for REF)					1

DASH (-) ITEM NOT ILLUSTRATED

REED

CONTROL BOX ASSEMBLY

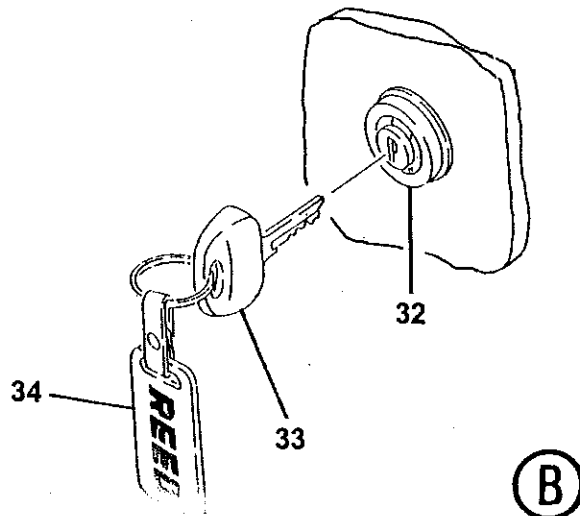
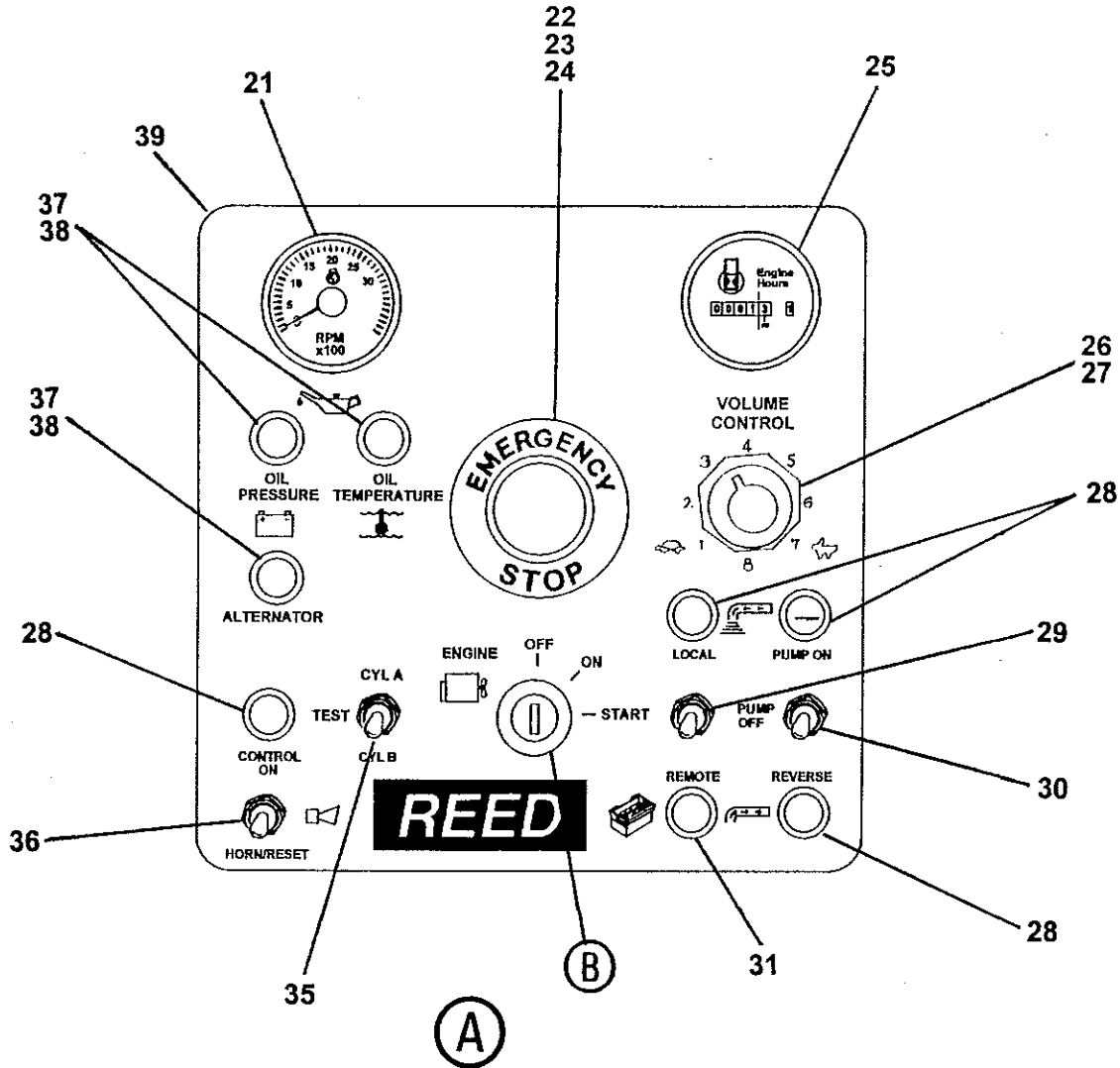
C50HP
PARTS
GROUP 50
FIGURE 02
PAGE 01



REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85397	Assembly, Control Box (See Group 50, Figure 01 for NHA)	Ref
2	85400	• Box, Control	1
3	78696	• Insert, Connector	1
4	78697	• Base, Connector	1
5	73748	• Bumper	4
6	75654	• End, Barrier	1
7	72821	• Rail, 0.333 Feet Barrier	1
8	72820	• Terminal	8
9	72824	• Jumper	2
10	85354	• Block, Fuse	1
11	85419	• Stand Off	1
12	800447	• Fuse, 25	1
13	800449	• Fuse, 10	4
14	90392	• Fuse, 5	3
15	79963	• Insert, Connector	1
16	79965	• Base, Connector	1
17	85596	• Box, Black	1
18	85334	• Box, Pump Black	1
-19	10528	• Nut	1
-20	10523	• Relief, Strain	1

DASH (-) ITEM NOT ILLUSTRATED



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
21	78687	• Tachometer	1
22	85342	• Operator, Emergency Stop	1
23	85343	• Block, Contact	1
24	85344	• Bulb, Emergency Stop	1
25	74240	• Meter, Engine Hour	1
26	77642	• Potentiometer, 100 OHM	1
27	72777	• Resistor, Green 100 OHM	1
28	85355	• Pilot, Light	4
29	78563	• Switch, Local / Remote	1
30	72003	• Switch, Pump On / Reverse	1
31	85356	• Pilot, Light	1
32	71154	• Switch, Ignition	1
33	71155	• • Key (Pair)	1
34	72862	• Gauge, Proximity Switch	1
35	85346	• Switch, CYL A / CYL B	1
36	85347	• Switch, Horn / Reset	1
37	73775	• Indicator, Red Light 14 VDC	3
38	72022	• Bulb, Indicator	3
39	85409	• Decal, C50HP Control Box	1

DASH (-) ITEM NOT ILLUSTRATED

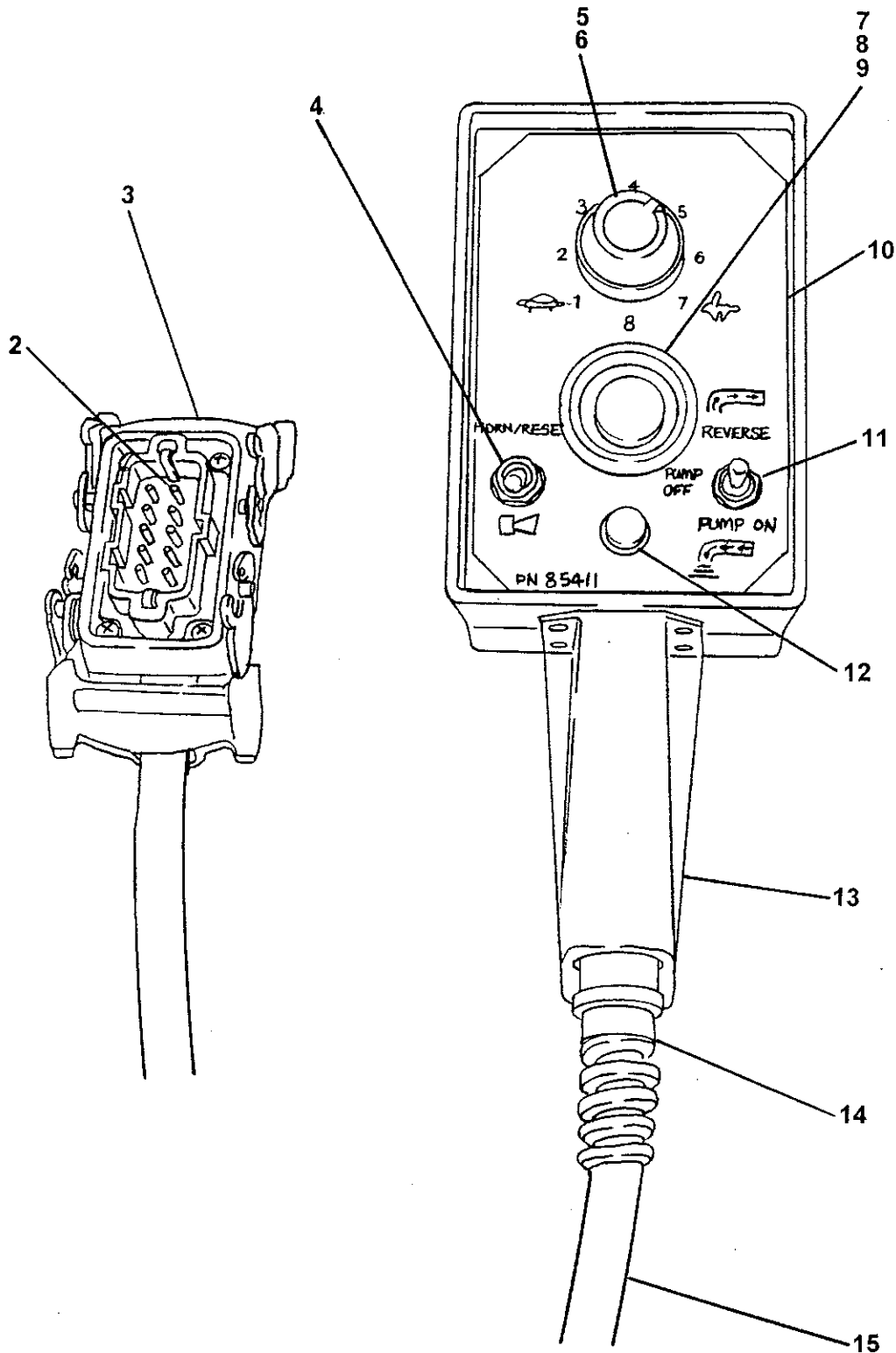
SWITCH
~~79~~ 72963

CYL. CHANGE OVER
 SLOW
 FAST
 86957

REED

50 FEET CABLE REMOTE CONTROL ASSEMBLY

C50HP
PARTS
GROUP 50
FIGURE 03
PAGE 01



REVISION:

REED**50 FEET CABLE
REMOTE CONTROL ASSEMBLY****C50HP****PARTS**

GROUP 50

FIGURE 03

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85398	Assembly, 50 Feet Cable Remote Control (See Group 50, Figure 01 for NHA)	Ref
2	79964	• Connector, Insert	1
3	79966	• Connector, Hood	1
4	85347	• Switch, Horn / Reset	1
5	77642	• Potentiometer, 100 OHM	1
6	72777	• Resistor, Green 100 OHM	1
7	85342	• Operator, Emergency Stop	1
8	85343	• Block, Contact	1
9	85344	• Bulb, Emergency Stop	1
10	85411	• Decal, C50HP Remote Control Box	1
11	72003	• Switch, Pump On / Reverse	1
12	85355	• Pilot, Light	1
13	85412	• Enclosure, Remote Control	1
14	85621	• Relief, Spiral Strain	1
15	85620	• Cable, 50 Feet Remote Control	1

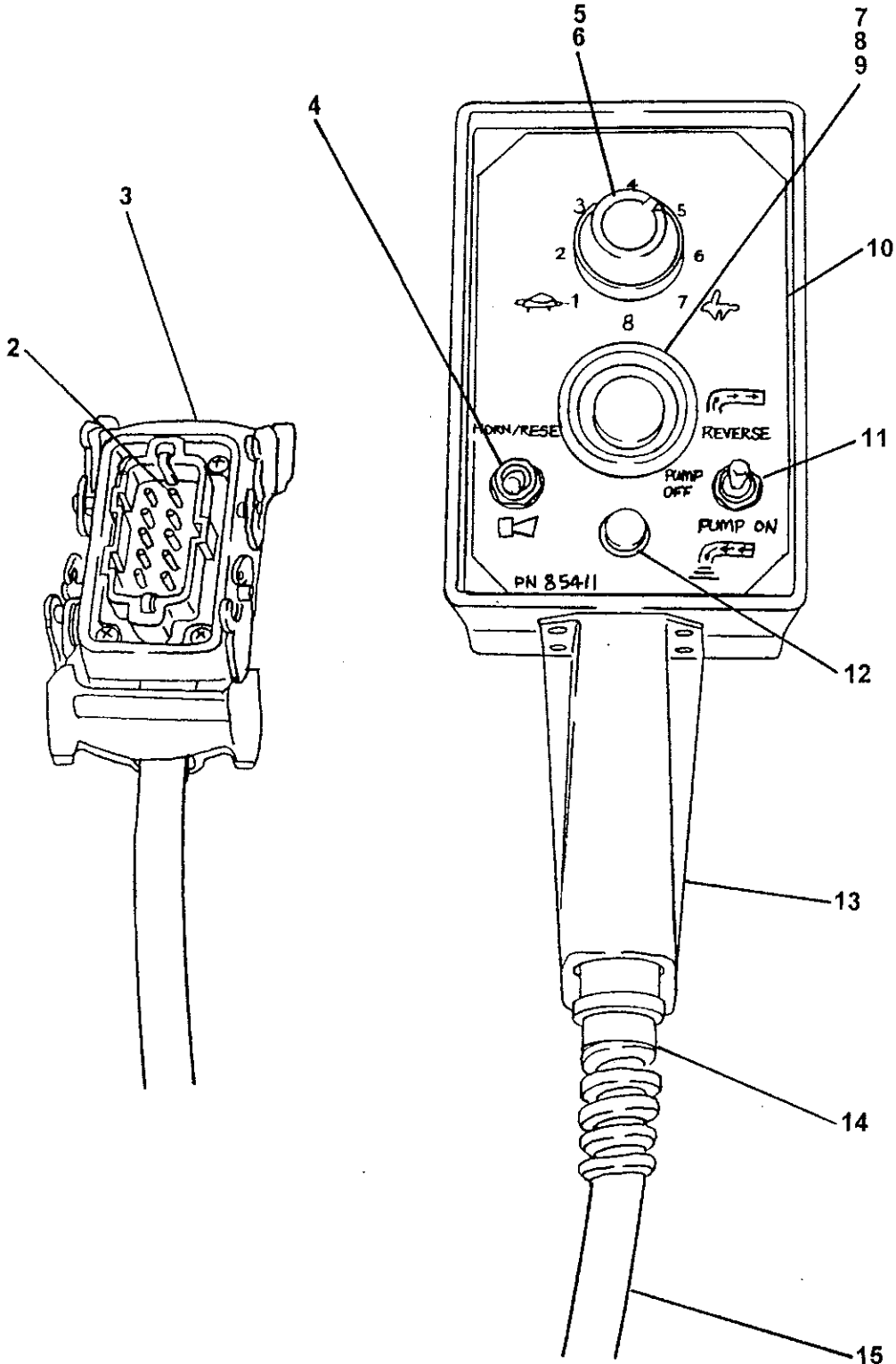
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

100 FEET CABLE REMOTE CONTROL ASSEMBLY

C50HP
PARTS
GROUP 50
FIGURE 04
PAGE 01



REVISION:



100 FEET CABLE
REMOTE CONTROL ASSEMBLY

C50HP
PARTS
GROUP 50
FIGURE 04
PAGE 02

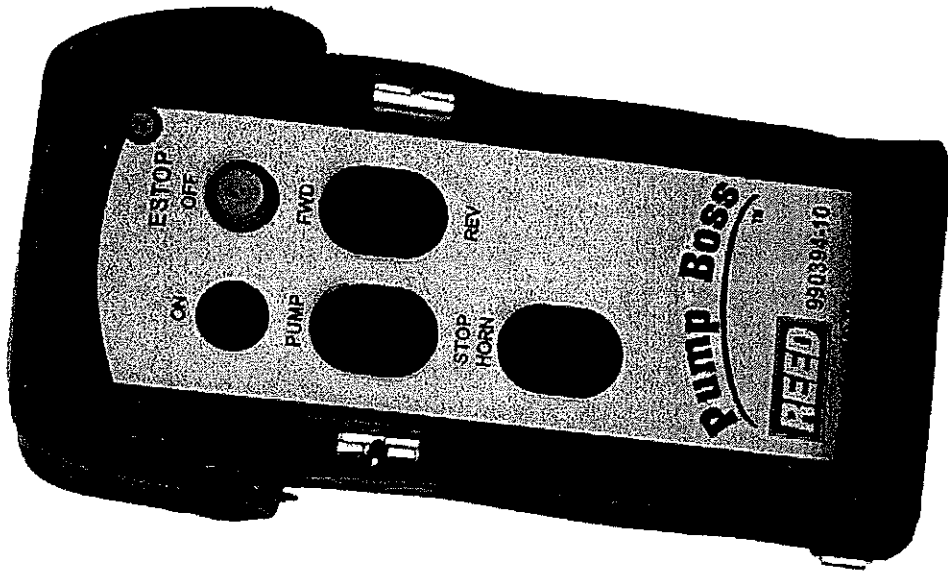
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85398A	Assembly, 100 Feet Cable Remote Control (See Group 50, Figure 01 for NHA)	Ref
2	79964	• Connector, Insert	1
3	79966	• Connector, Hood	1
4	85347	• Switch, Horn / Reset	1
5	77642	• Potentiometer, 100 OHM	1
6	72777	• Resistor, Green 100 OHM	1
7	85342	• Operator, Emergency Stop	1
8	85343	• Block, Contact	1
9	85344	• Bulb, Emergency Stop	1
10	85411	• Decal, C50HP Remote Control Box	1
11	72003	• Switch, Pump On / Reverse	1
12	85355	• Pilot, Light	1
13	85412	• Enclosure, Remote Control	1
14	85621	• Relief, Spiral Strain	1
15	85816	• Cable, 100 Feet Remote Control	1

DASH (-) ITEM NOT ILLUSTRATED

REED

OPTIONAL RADIO REMOTE CONTROL ASSEMBLY

C50HP
PARTS
GROUP 50
FIGURE 05
PAGE 01



REVISION:

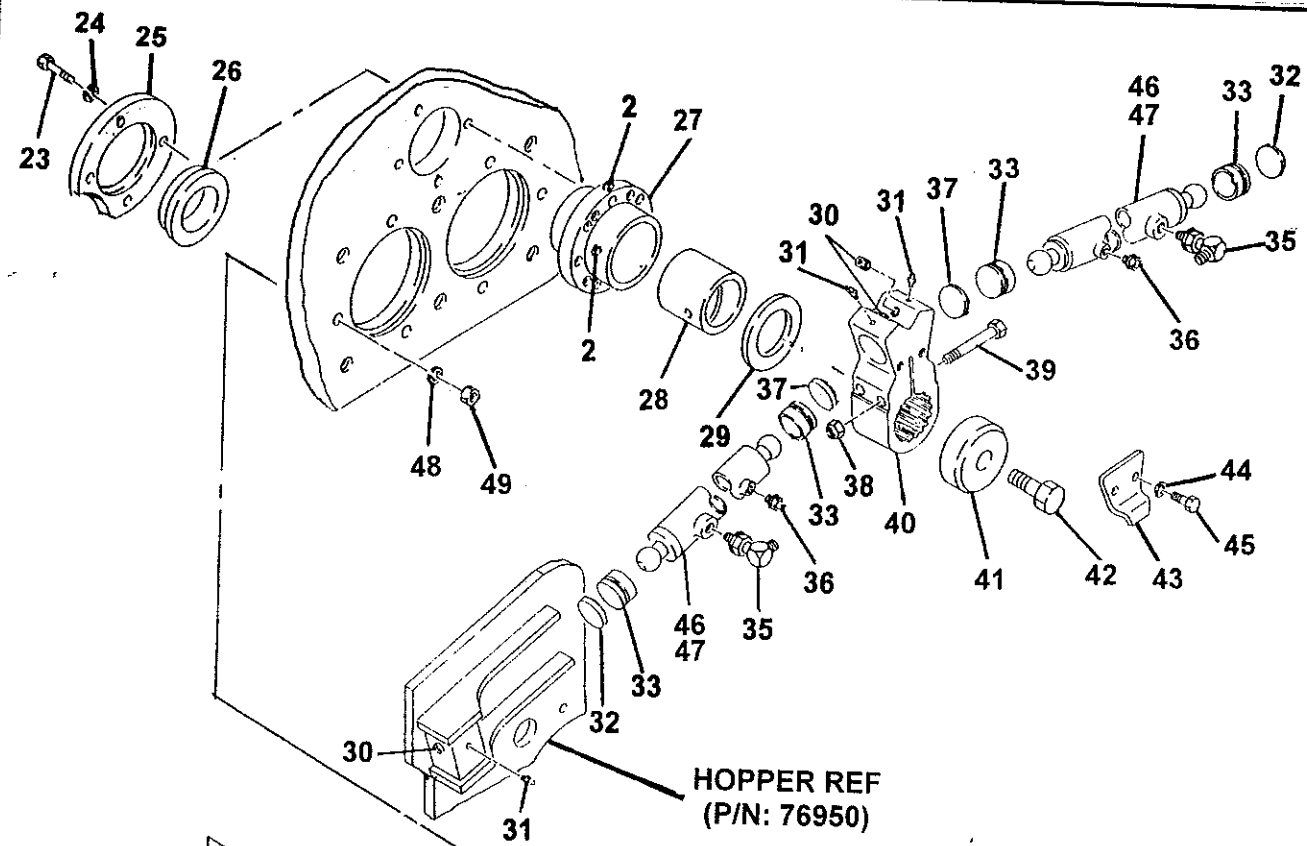
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-01	Installation, Pumping Train (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
2	60-02	• Assembly, Swing Valve (See Group 60, Figure 02 for DET)	1
3	20-01	• Installation, Hopper (See Group 20, Figure 01 for REF)	Ref
4	60-04	• Assembly, Concrete Cylinder (See Group 60, Figure 04 for DET)	1
5	60-05	• Assembly, Flushbox (See Group 60, Figure 05 for DET)	1
6	60-06	• Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 06 for DET)	1
-7	85387	• Retainer, Shift Cylinder	1
-8	85389	• Retainer	2

DASH (-) ITEM NOT ILLUSTRATED

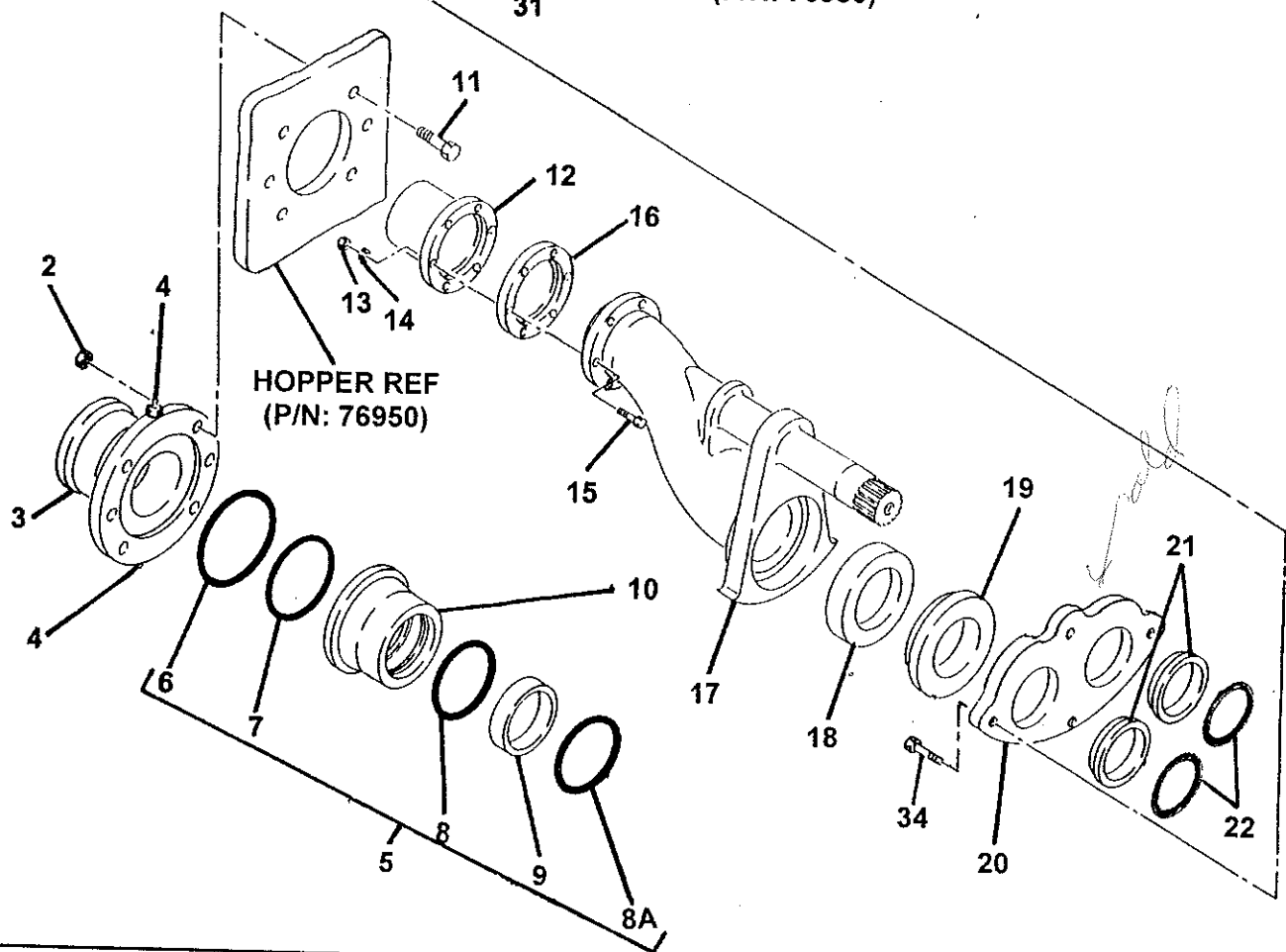


SWING VALVE ASSEMBLY

C50HP
PARTS
GROUP 60
FIGURE 02
PAGE 01



HOPPER REF
(P/N: 76950)



HOPPER REF
(P/N: 76950)

REED**SWING VALVE ASSEMBLY****C50HP
PARTS
GROUP 60
FIGURE 02
PAGE 02**

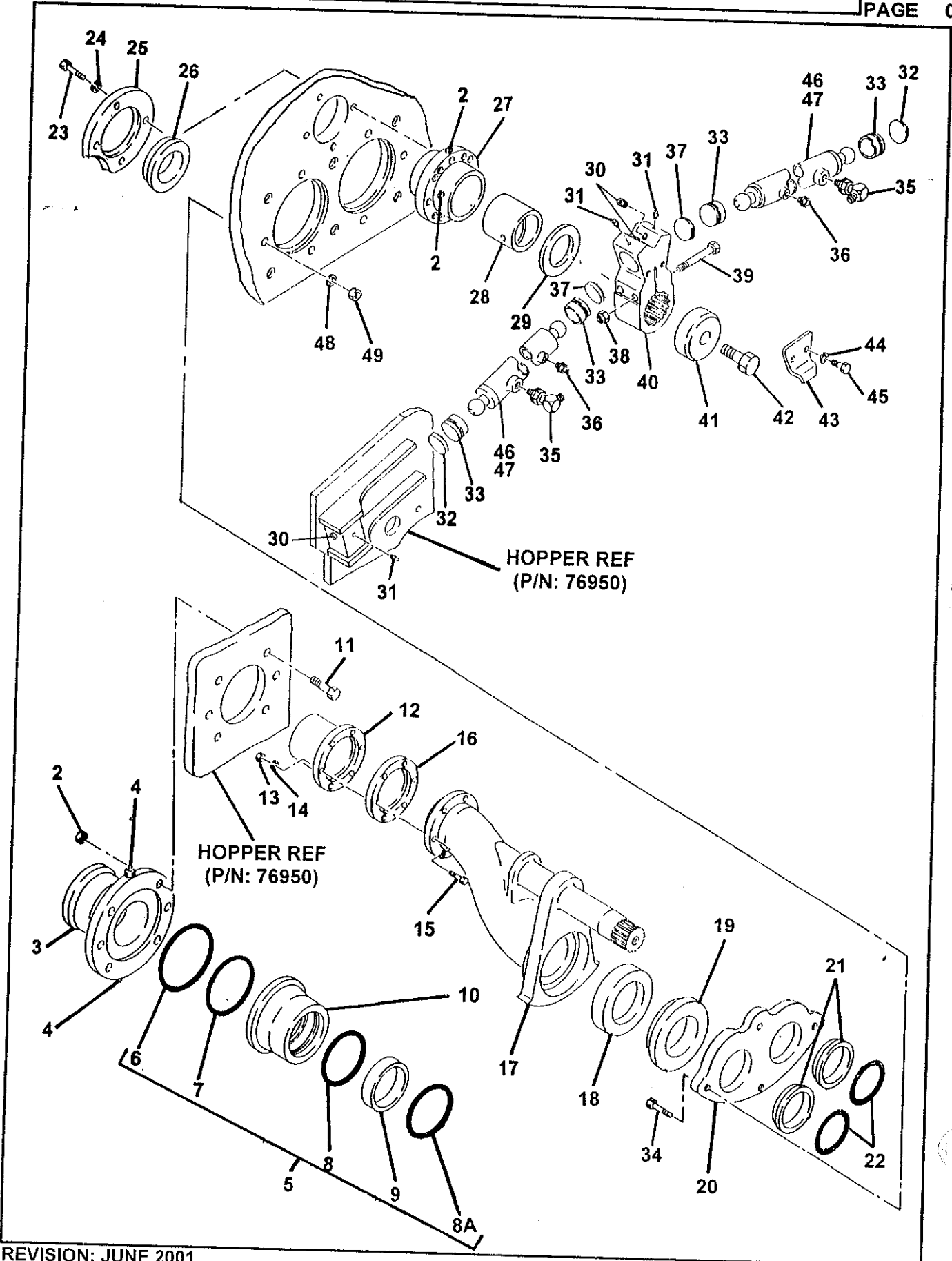
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
			1 2 3 4 5
-1	60-02	Assembly, Swing Valve (See Group 60, Figure 01 for NHA)	Ref
2		• Nut	6
3	72482	• Outlet, Machine 5" <i>70122 NOW</i>	1
4		• Fitting, Grease 90	4
5	79895	• Kit, Outlet Seal	1
6	77761	•• O-Ring, Large	1
7	77762	•• O-Ring, Small	1
8	86504	•• Seal, Modified Outlet Thick	1
8A	77765	•• Seal, Outlet Thick	1
9	77763	•• Band, Guide	1
10	72309	• Housing, Outlet Seal	1
11		• Bolt, Hex	6
12	70042	• Outlet, Chromed	1
13		• Nut, Nylock (attaching parts) <i>3/8</i>	6
14		• Washer, Lock (attaching parts) <i>3/8</i>	6
15		• Bolt, Hex (attaching parts) <i>3/8 x 1/2</i>	6
16	73408	• Flange, Extension	1
17	73404	• Weldment, Swing Tube	1
18	72311	• Seal, 6 Inch Double Lip <i>86085</i>	1
19	72310	• Ring, Wear ✓	1
20	77852	• Plate, Wear <i>86031</i>	2
21	70047	• Ring, Anti Chip <i>86086</i>	2
22	73409	• O-Ring	2
23		• Bolt, Coarse	4
24		• Washer, Lock	4
25	77398	• Retainer	1
26	75418	• Seal, Swing Tube	1
27	75494	• Bearing, Flange	1
28	75496	• Sleeve, Flange Bearing	1
29	75506	• Washer, Thrust	1
30		• Plug	4
31		• Fitting, Grease STR	4
32	75501	• Spacer	2
33	76798	• Socket, Ball	4
34	<i>74988</i>	• Bolt, Hex <i>Wear plate BOLT KIT</i>	4
35		• Fitting, 90	2
36		• Fitting, STR	2

DASH (-) ITEM NOT ILLUSTRATED



SWING VALVE ASSEMBLY

C50HP
PARTS
GROUP 60
FIGURE 02
PAGE 03



REED**CONCRETE CYLINDER ASSEMBLY****C50HP
PARTS
GROUP 60
FIGURE 04
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-04	Assembly, Concrete Cylinder (See Group 60, Figure 01 for NHA)					Ref
2	73403	• Adapter, Concrete Cylinder					2
3	73428	• Cylinder, Concrete					2
4	73491	• Bracket, Hopper End Tie Rod					1
5		• Nut, Fine					6
6	73459	• Rod, Tie					2
7	73489	• Plate, Spacer					1
8	73490	• Bracket, Flushbox End Tie Rod					1
9	75882	• Rod, Tie					4
10		• Nut					4
11		• Bolt					8
12		• Washer, Lock					8
13	70057	• Plate, Piston					2
14	70048	• Cup, Piston					2
15	74001	• O-Ring <i>77120 GUIDE BANDS</i>					2
16	70076	• Adapter, Concrete Piston					2
17	73425	• Coupling, Piston					2
18		• Screw, Cap					4

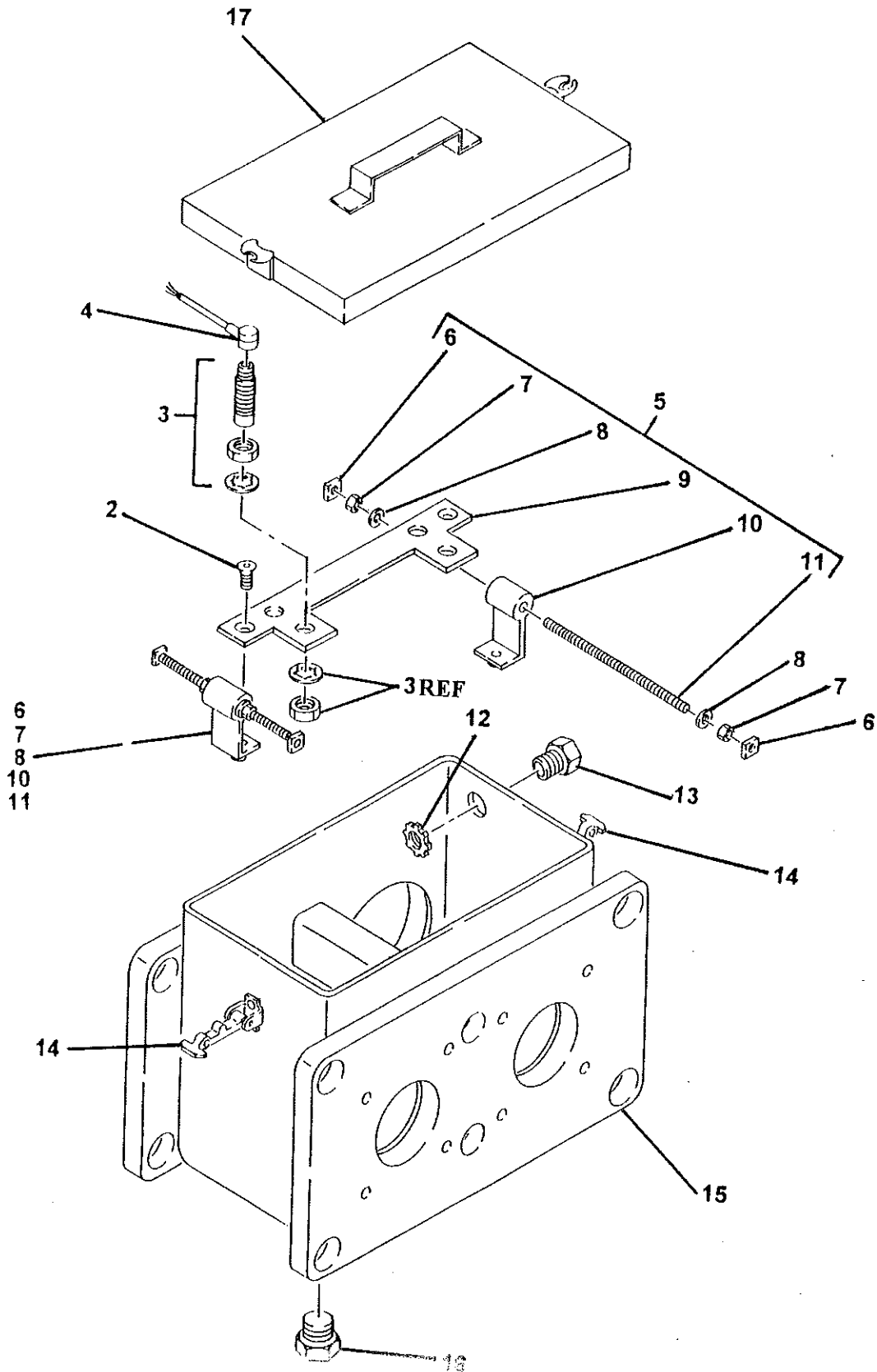
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

FLUSHBOX ASSEMBLY

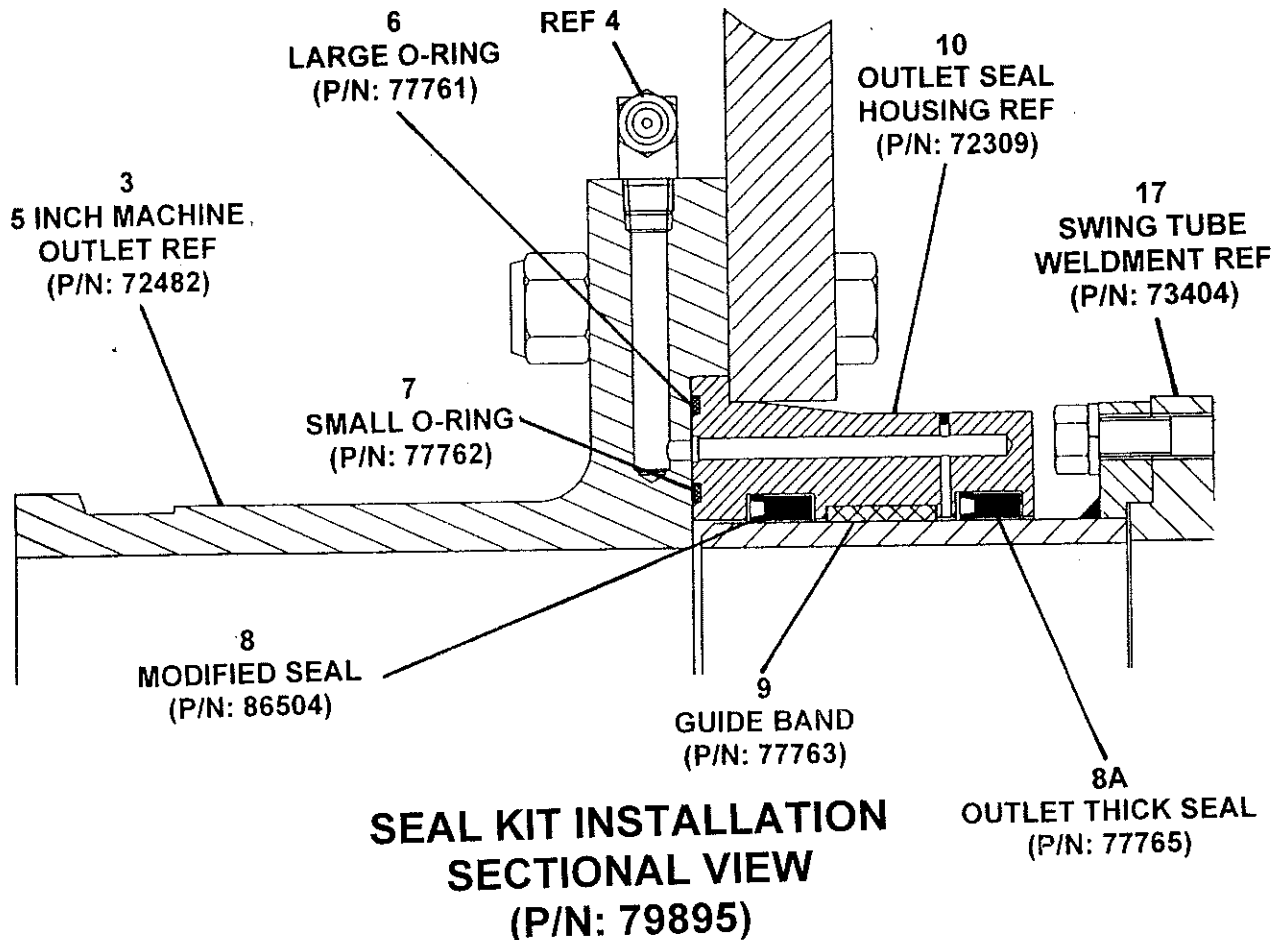
C50HP
PARTS
GROUP 60
FIGURE 05
PAGE 01



REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
37	75502	• Spacer					2
38		• Nut, Hex 9/16-18 #1.60 4/11/63					2
39		• Bolt, Hex					2
40	78245	• Crank, Splined Bell					1
41	77706	• Washer, Retainer					1
42	78060	• Bolt, Swing Tube					1
43	73478	• Retainer, Swing Tube Bolt 86282 other type					1
44		• Washer, Lock					2
45		• Bolt, Hex					2
46	85911	• Assembly, Swing Ram Cylinder					2
47	77505	• • Sub-Assembly, Swing Ram Cylinder (See Group 60, Figure 03 for DET)					1
48		• Washer, Lock					4
49		• Nut, Coarse					4
-50	85432	• Assembly, C50HP Hose (See Schematic Section for REF)					1

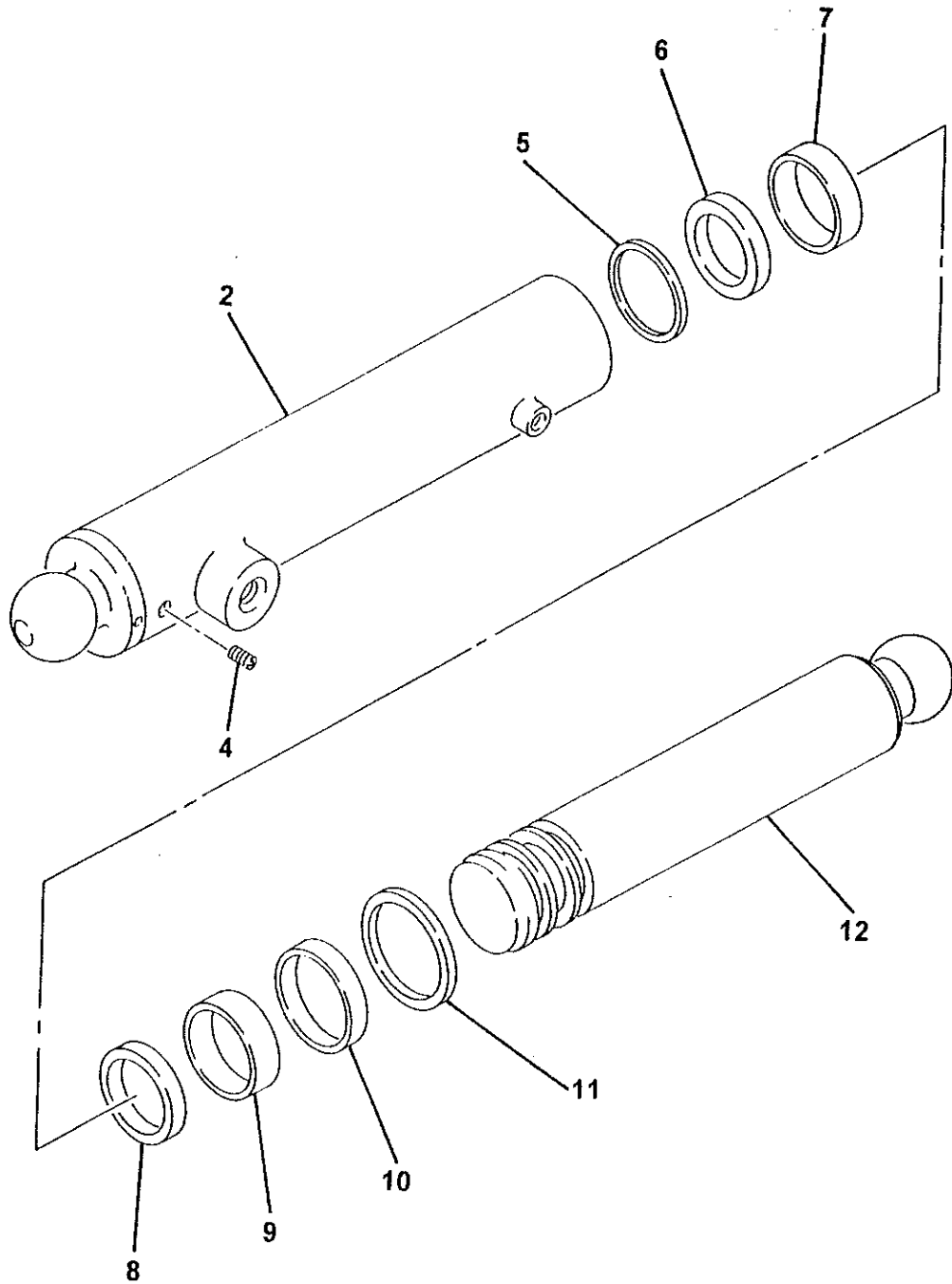
DASH (-) ITEM NOT ILLUSTRATED



REED

**SWING RAM CYLINDER
SUB-ASSEMBLY**

**C50HP
PARTS
GROUP 60
FIGURE 03
PAGE 01**



REVISION:



**SWING RAM CYLINDER
SUB-ASSEMBLY**

**C50HP
PARTS**
GROUP 60
FIGURE 03
PAGE 02

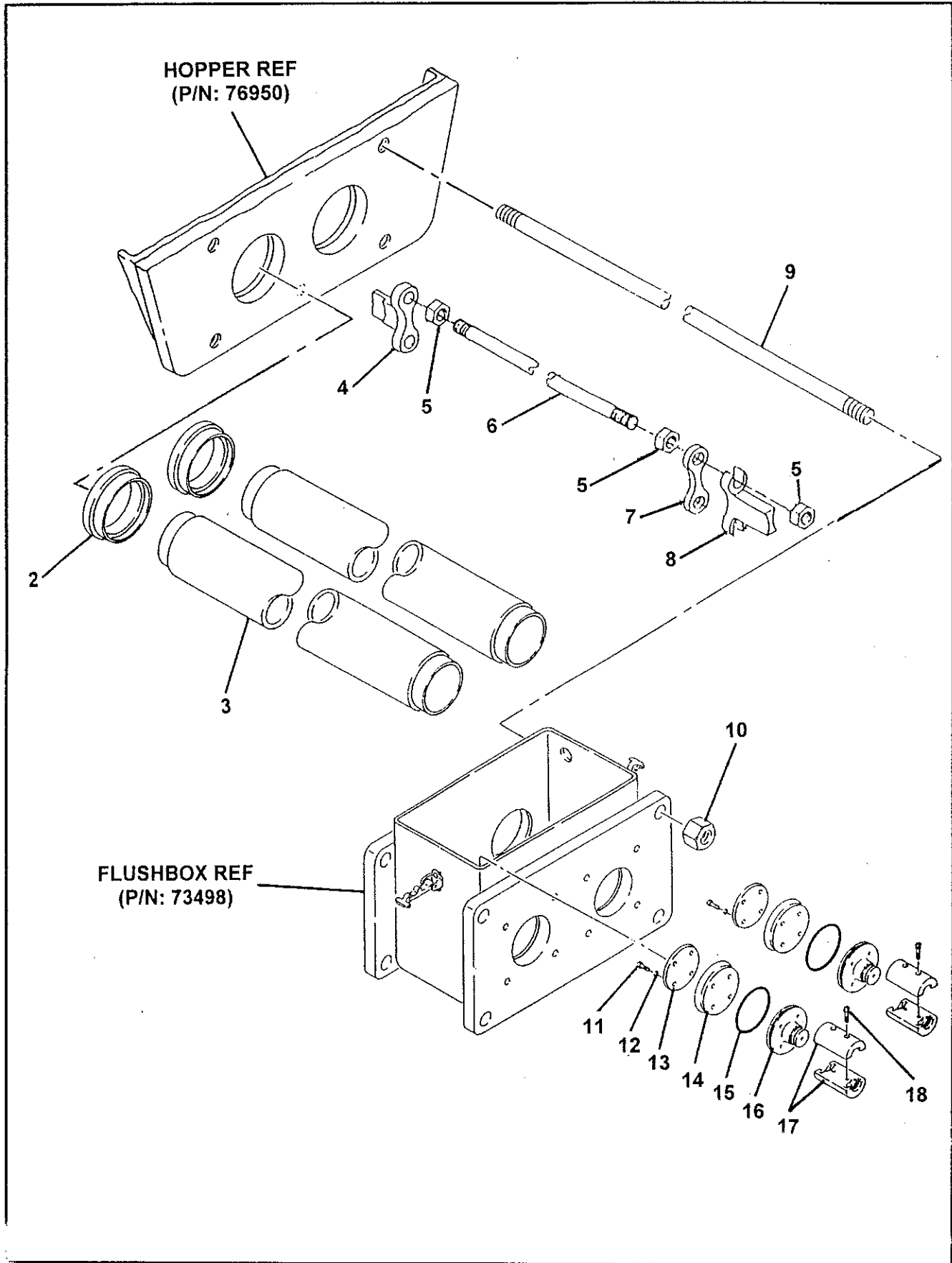
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	77505	Sub-Assembly, Double Swing Ram Cylinder (See Group 60, Figure 02 for NHA)					Ref
2		• Weldment, Cylinder					1
-3	77769	• Kit, Seal					1
4		• • Screw, Set					1
5		• • Seal, Static					1
6		• • Seal, Piston					1
7		• • Ring, Wear					1
8		• • Seal, Piston					1
9		• • Ring, Wear					
10		• • Seal, Rod					1
11		• • Wiper, Rod					1
12		• Weldment, Rod					1

DASH (-) ITEM NOT ILLUSTRATED



CONCRETE CYLINDER ASSEMBLY

C50HP
PARTS
GROUP 60
FIGURE 04
PAGE 01



REVISION:

REED**FLUSHBOX ASSEMBLY****C50HP
PARTS
GROUP 60
FIGURE 05
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-05	Assembly, Flushbox (See Group 60, Figure 01 for NHA)					Ref
2		• Screw					2
3	77998	• Sensor, Proximity Switch					2
4	77990	• Cable, Proximity Switch					2
5	72807	• Kit, Proximity Switch Mounting					1
6		• • Nut, Rect					4
7		• • Nut					4
8		• • Washer, Lock					4
9	72941	• • Bracket, Mounting					1
10	72940	• • Angle, Mounting					2
11	72806	• • Rod, Threaded					2
12	10528	• Nut					1
13	73783	• Conduit, Fitting					1
14	13002	• Fastener, Cover					2
15	73498	• Weldment, Flush Box					1
16	10282	• Plug, Drain					1
17	70336	• Top, Flushbox					1

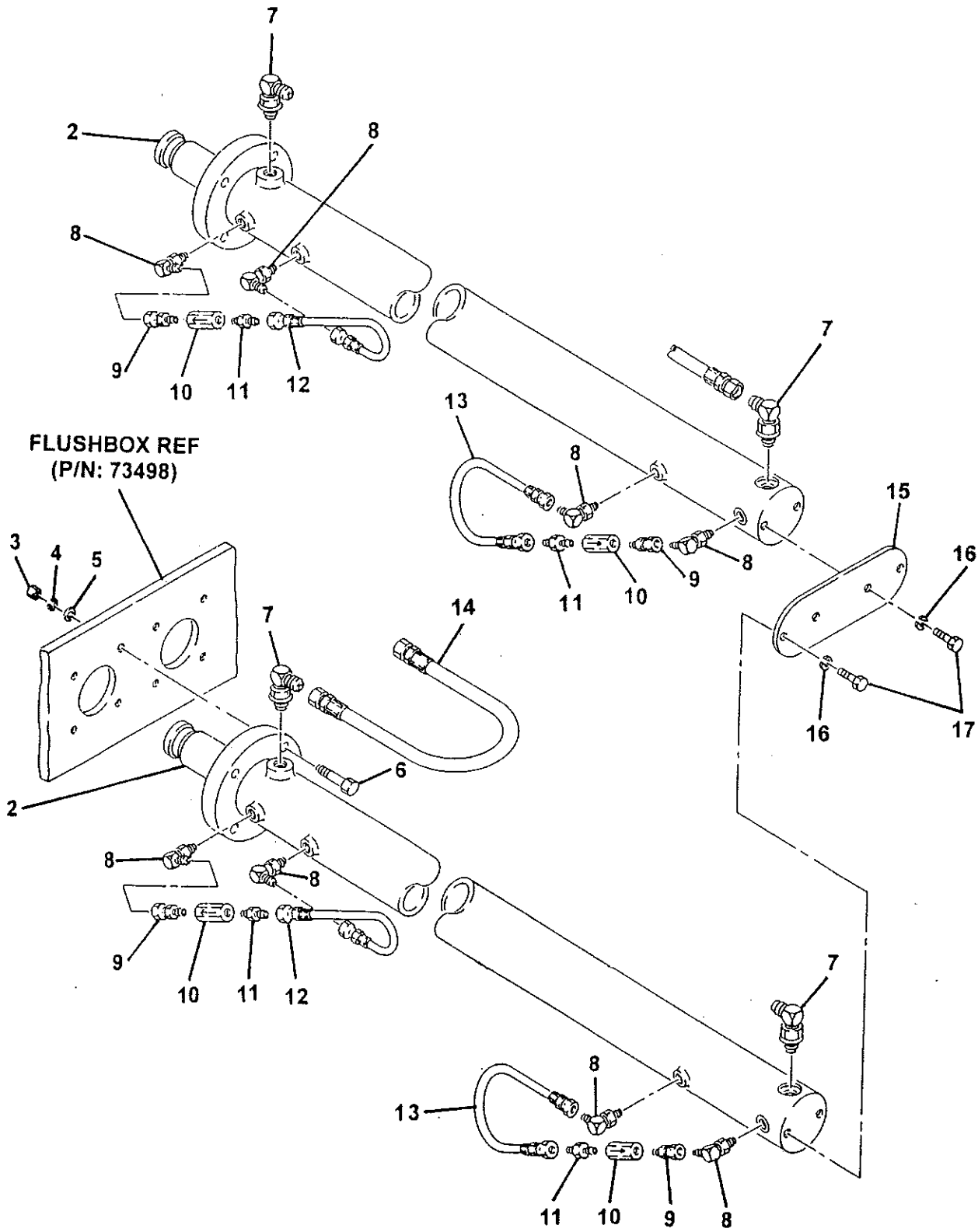
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



HYDRAULIC DRIVE CYLINDER ASSEMBLY

C50HP
PARTS
GROUP 60
FIGURE 06
PAGE 01



REVISION:

REED**HYDRAULIC DRIVE
CYLINDER ASSEMBLY****C50HP
PARTS
GROUP 60
FIGURE 06
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-06	Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 01 for NHA)					Ref
2	70984	• Sub-Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 07 for DET)					1
3		• Nut, Hex (attaching parts)					8
4		• Washer, Lock (attaching parts)					8
5	77396	• Washer, Thread (attaching parts)					8
6		• Bolt (attaching parts)					8
7		• Fitting, 90					4
8		• Fitting, 90					4
9		• Fitting, STR					4
10	74857	• Valve, Check					4
11		• Fitting, STR					4
12	74615	• Assembly, Hose					2
13	79469	• Assembly, Hose					2
14	85427	• Assembly, Tube					1
15	73183	• Plate, End					1
16		• Washer, Lock (attaching parts)					4
17		• Bolt, Hex (attaching parts)					4

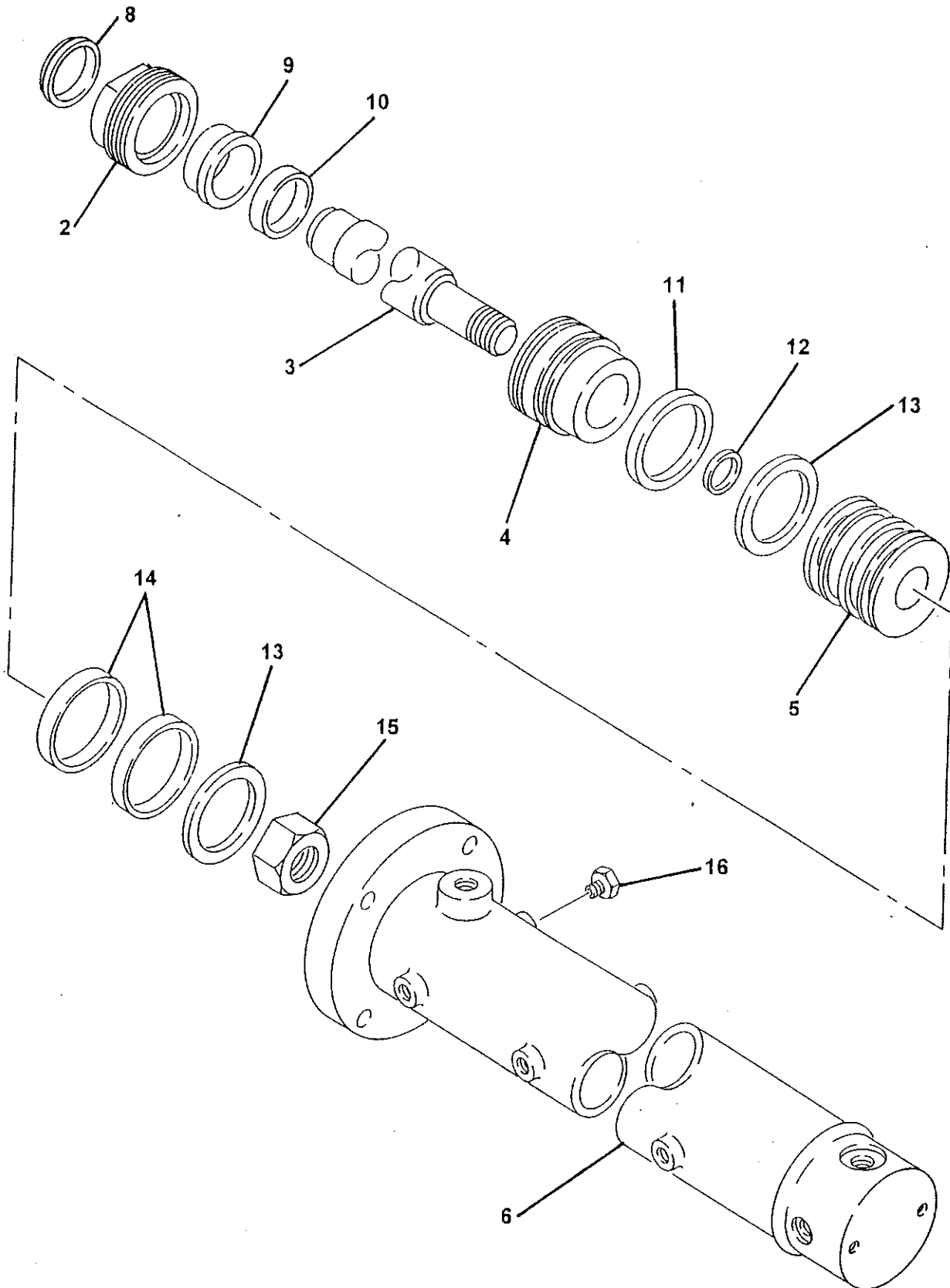
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

HYDRAULIC DRIVE CYLINDER SUB-ASSEMBLY

C50HP
PARTS
GROUP 60
FIGURE 07
PAGE 01



REVISION:

REED**HYDRAULIC DRIVE
CYLINDER SUB-ASSEMBLY****C50HP
PARTS
GROUP 60
FIGURE 07
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	70984	Sub-Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 06 for NHA)	Ref
2		• Nut, Retaining	1
3		• Rod, Cylinder	1
4		• Retainer	1
5		• Piston	1
6		• Weldment, Cylinder Barrel	1
-7	71108	• Kit, Seal	1
8		• • Wiper, Rod	1
9		• • Bearing, Rod Bronze	1
10		• • Seal, Rod	1
11		• • Seal, Static	1
12		• • Seal, Static	2
13		• • Seal, Piston	2
14		• • Ring, Wear	1
15		• • Nut, Piston	4
16		• Plug	

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

TRAILER MOUNTED PUMP MODEL C50HP
ILLUSTRATED PARTS MANUAL

C50HP
PARTS
GROUP 60
FIGURE 08
PAGE 01

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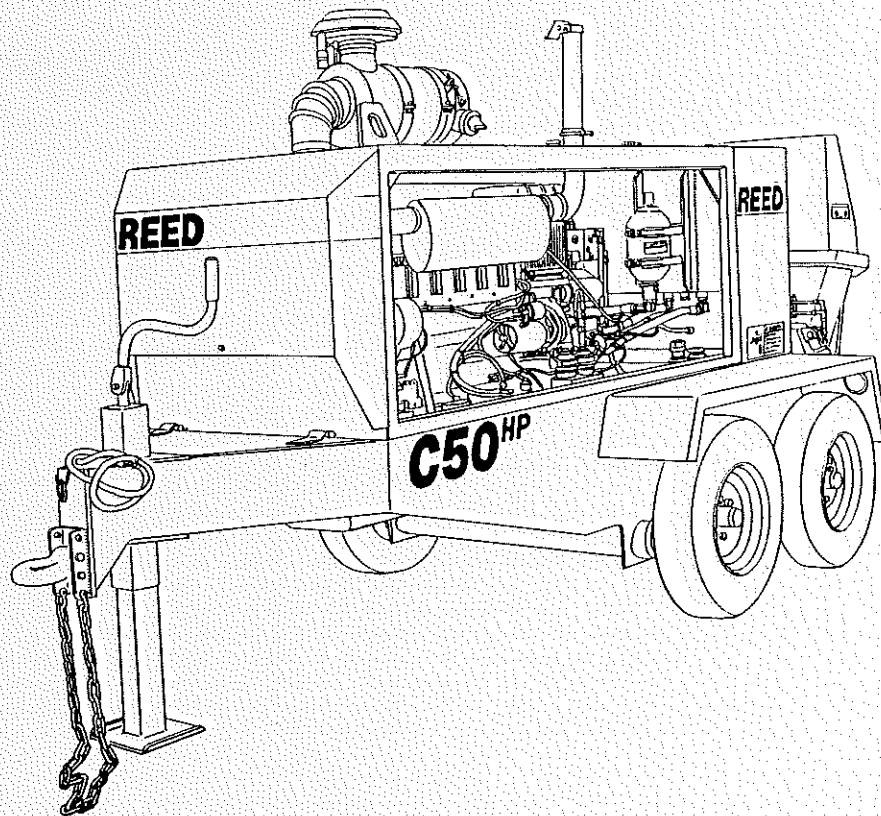
REED

TRAILER MOUNTED PUMP MODEL C50HP GROUP 70 FRAME INSTALLATION

C50HP
PARTS
GROUP 70
FIGURE 00
PAGE 01

REED TRAILER MOUNTED CONCRETE PUMP MODEL **C50HP** ILLUSTRATED PARTS MANUAL GROUP 70 FRAME INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- FIGURE 00 TABLE OF CONTENTS
- FIGURE 01 FRAME INSTALLATION
- FIGURE 02 HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY
- FIGURE 03 HUB AND BRAKE ASSEMBLY
- FIGURE 04 NON-OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY
- FIGURE 05 OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

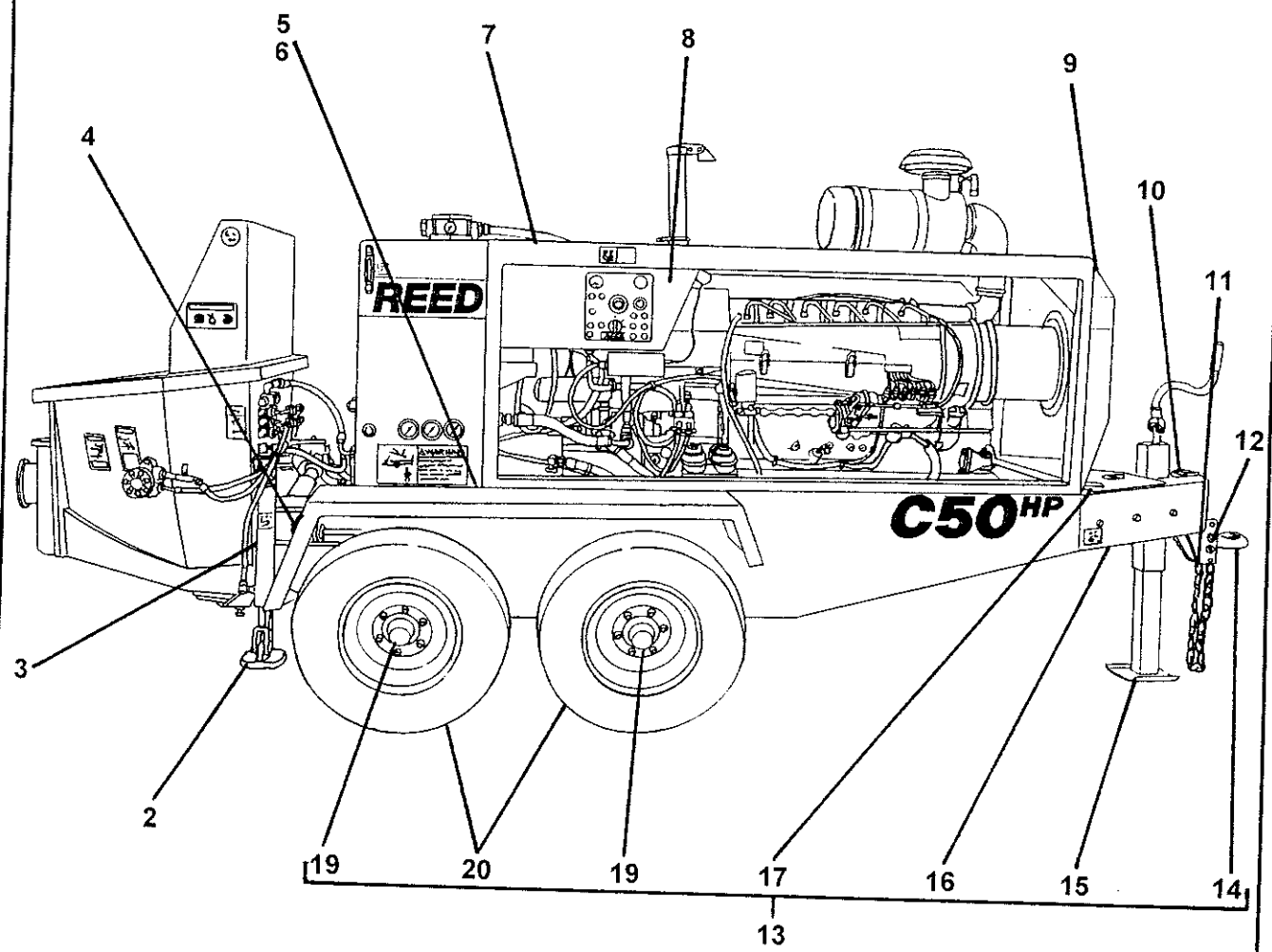


REVISION:

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FRAME INSTALLATION

C50HP
PARTS
GROUP 70
FIGURE 01
PAGE 01



REVISION:

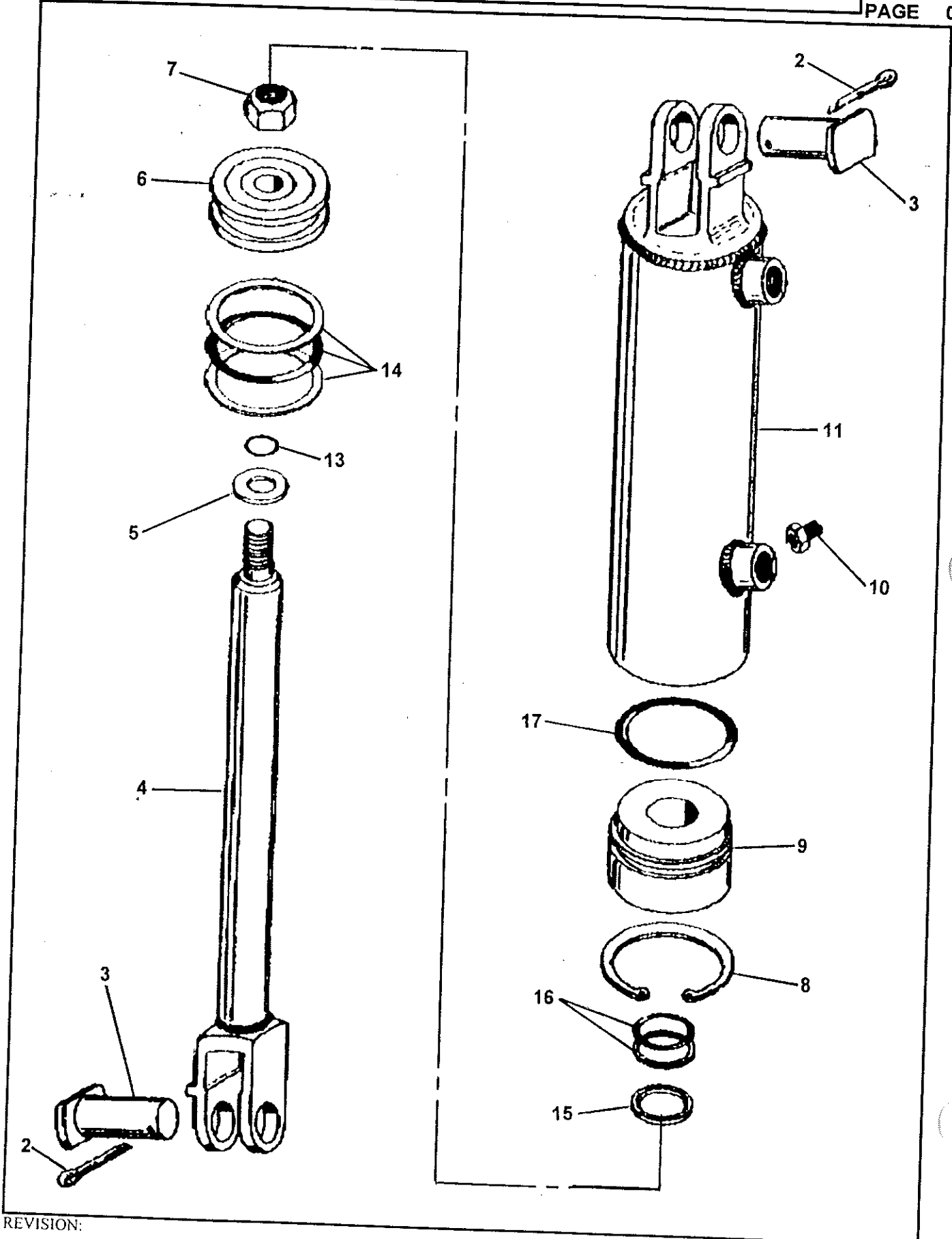
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	70-01	Installation, Frame (See Group 10, Figure 01 for NHA)					Ref
2	85500	• Weldment, Outrigger Inner					2
3	85640	• Assembly, Hydraulic Outrigger Cylinder (See Group 70, Figure 02 for REF)					2
4	72948	• Light, Tail					2
5	85394	• Weldment, Right Fender					1
6	85395	• Weldment, Left Fender					1
7	77179	• Weldment, Lifting Structure					1
8	85391	• Cover, Control Box					1
9	85406	• Cover, Front					1
10	86532	• Assembly, Trailer Wiring Harness (See Schematic Section for REF)					1
11	71048	• Chain, 36 LK CWR					2
12	71049	• Clevis, Double					1
13	85435	• Assembly, Frame					1
14	71051	• • Lunette, 3 Inch Eye					1
15	85123	• • Weldment, Jack					1
16	77086	• • Weldment, Frame					1
17	85338	• • • Cover, Tool Box					2
-18	85383	• • Axle					4
19	70-03	• • Assembly, Hub and Brake (See Group 70, Figure 03 for DET)					4
20	85423	• • Assembly, Wheel and Tire					3
-21	71949	• Grommet, Trailer					1
-22	10196	• Lok, Trim 1.5 FT					

DASH (-) ITEM NOT ILLUSTRATED



HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY

C50HP
PARTS
GROUP 70
FIGURE 02
PAGE 01



REVISION:

REED**HYDRAULIC OUTRIGGER
CYLINDER ASSEMBLY****C50HP
PARTS
GROUP 70
FIGURE 02
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85640	Assembly, Hydraulic Outrigger Cylinder (See Group 70, Figure 01 for NHA)					Ref
2		• Pin, Safety					2
3		• Pin, Clevis					2
4		• Assembly, Shaft					1
5		• Washer, Steel					1
6		• Piston					1
7		• Nut, Piston Lock					1
8		• Ring, Head Lock					1
9		• Head					1
10		• Screw, Head Set					1
11		• Assembly, Tube					1
-12	74497	• Kit, Seal					1
13		• • O-Ring, Small					1
14		• • Sub-Assembly, Piston O-Ring					1
15		• • Wiper, Rod					1
16		• • Packing, Shaft (Pair)					1
17		• • O-Ring, Head					1

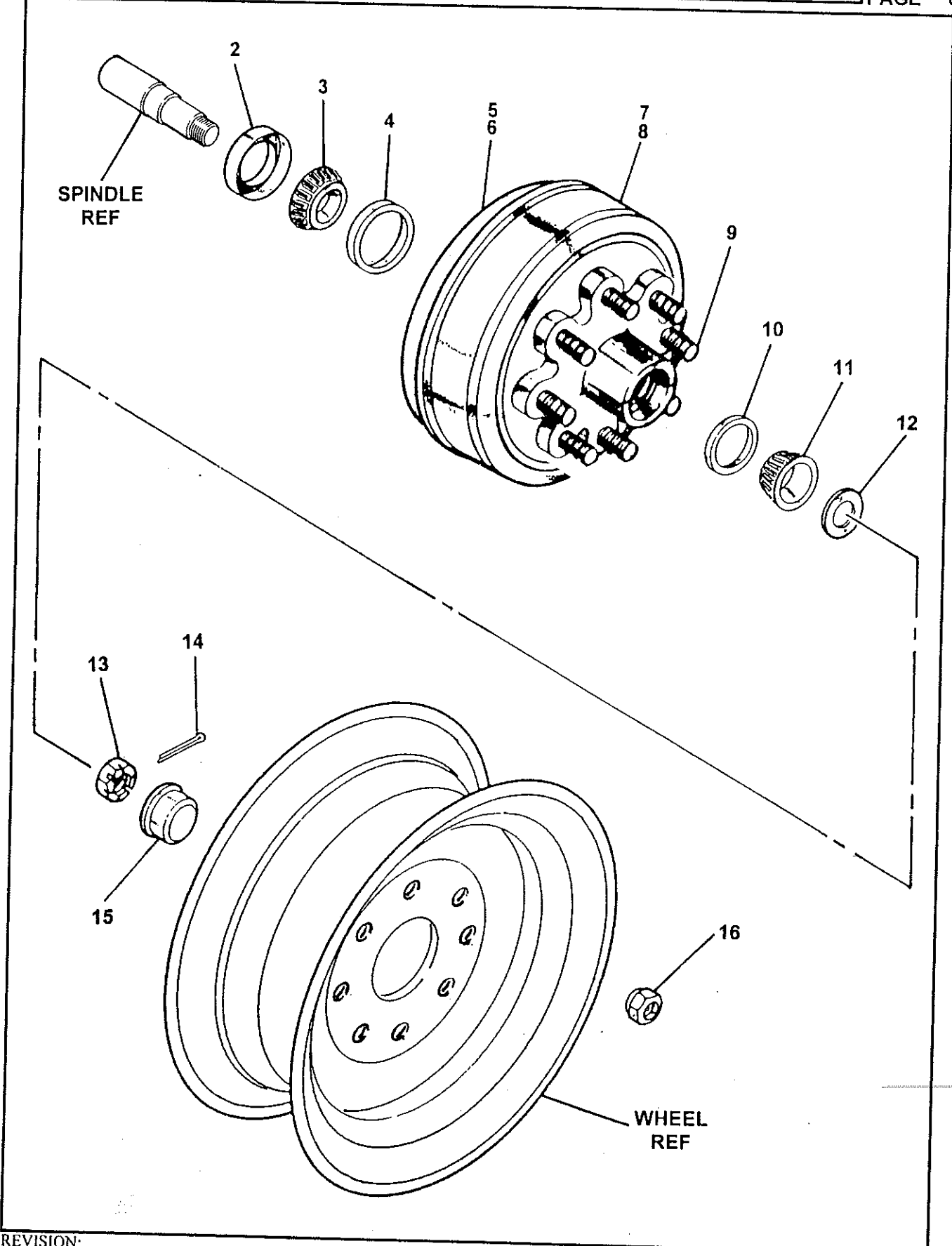
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



HUB AND BRAKE ASSEMBLY

C50HP
PARTS
GROUP 70
FIGURE 03
PAGE 01



REVISION:

REED**HUB AND BRAKE ASSEMBLY****C50HP
PARTS
GROUP 70
FIGURE 03
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	70-03	Assembly, Hub and Brake (See Group 70, Figure 01 for NHA)					Ref
2	71095	• Seal, Grease					1
3	71094	• Bearing, Inner					1
4	71092	• Cup, Inner Bearing					1
5	71056-L	• Assembly, Non-Operator Electric Brake (See Group 70, Figure 04 for DET)					1
6	71056-R	• Assembly, Operator Electric Brake (See Group 70, Figure 05 for DET)					1
7	71071	• Assembly, Hub					2
8	71070	• Assembly, Drum					2
9		• Bolt, Wheel					8
10	71091	• Cup, Outer Bearing					1
11	71098	• Bearing, Outer					1
12	71081	• Washer, Spindle					1
13	71089	• Nut, Spindle					1
14	71088	• Pin, Cotter					1
15	71096	• Cap, Dust					1
16	71075	• Nut, Wheel					8

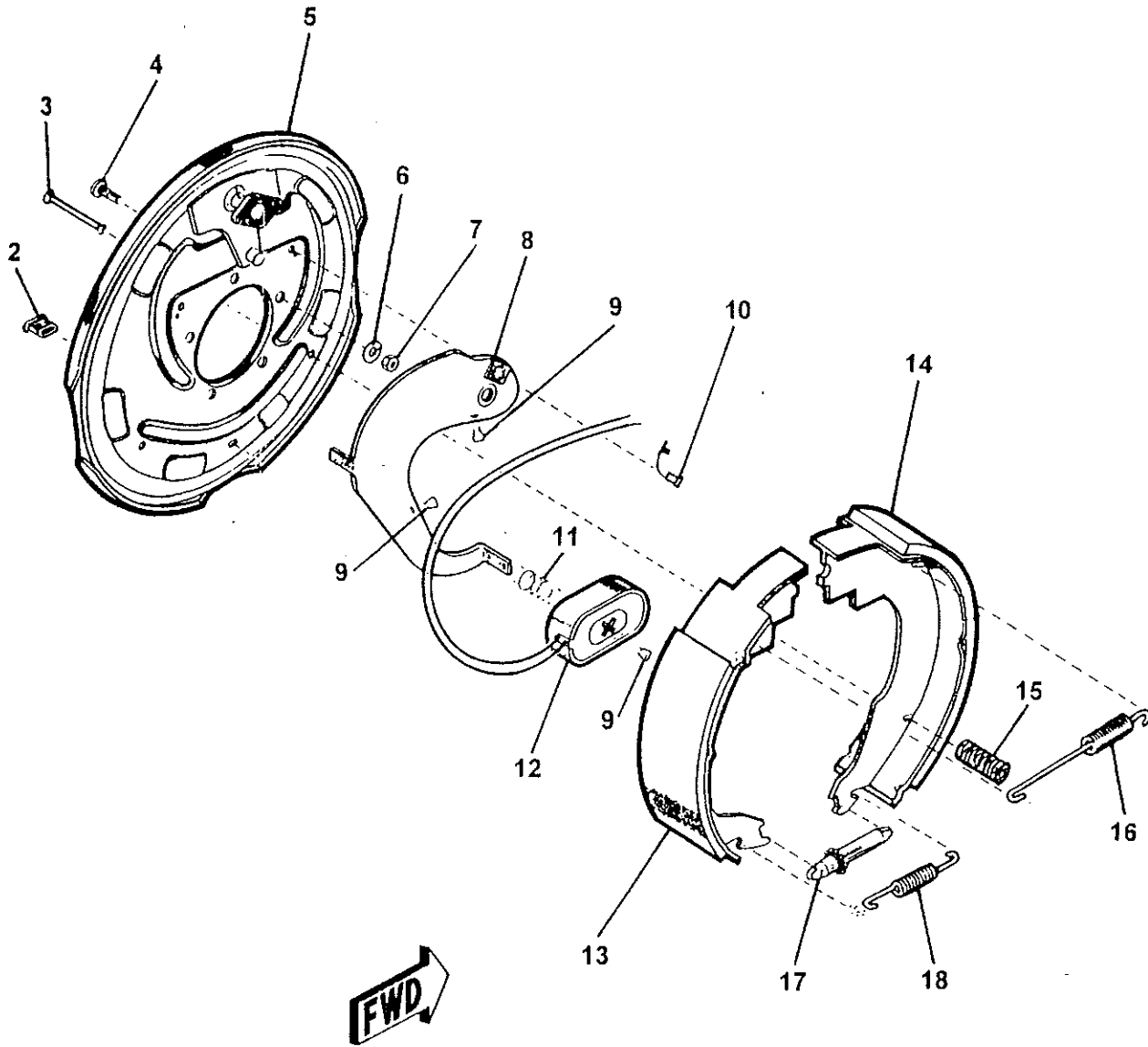
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

NON OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

C50HP
PARTS
GROUP 70
FIGURE 04
PAGE 01



REVISION:

REED**NON OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY****C50HP
PARTS
GROUP 70
FIGURE 04
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	71056-L	Assembly, Non-Operator Side Electric Brake (See Group 70, Figure 03 for NHA)	Ref
2		• Slot, Plug Adjust	1
3		• Pin, Shoe Hold down	1
4		• Stud, Brake Mounting	5
5		• Assembly, Baking Plate	1
6		• Washer, Brake Lock	5
7		• Nut, Brake Mounting	5
8		• Lever, Non-Operator Side	1
9		• Clip, Wire and Magnet	3
10		• Relief, Strain	2
11		• Spring, Magnet	1
12		• Sub-Assembly, Magnet	1
13		• Shoe and Lining, Primary	1
14		• Shoe and Lining, Secondary	1
15		• Spring, Shoe Hold down	1
16		• Spring, Shoe Retractor	1
17		• Sub-Assembly, Adjuster Screw	1
18		• Spring, Adjuster Screw	1

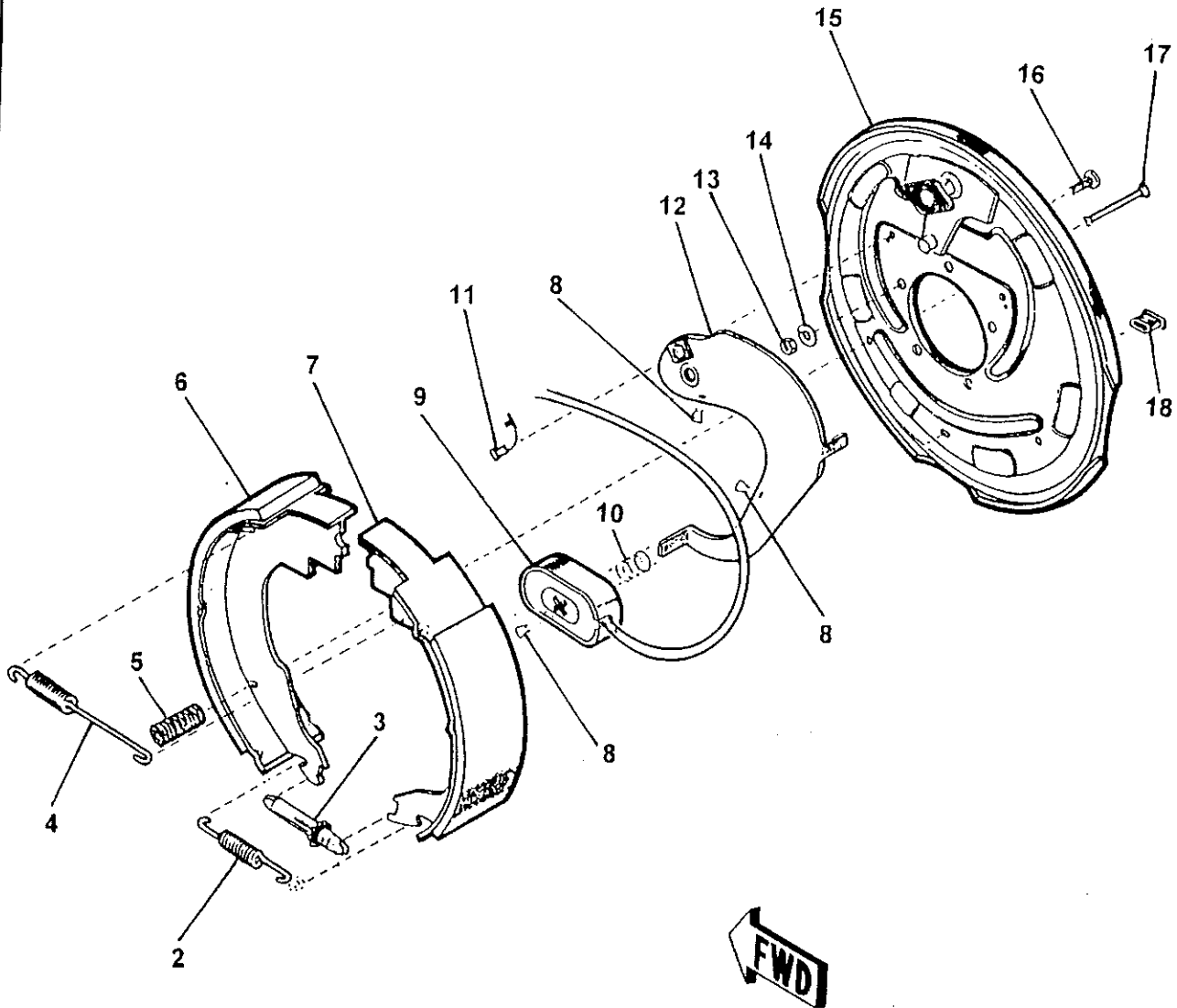
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

C50HP
PARTS
GROUP 70
FIGURE 05
PAGE 01



REVISION:

REED**OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY****C50HP
PARTS
GROUP 70
FIGURE 05
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	71056-R	Assembly, Operator Side Electric Brake (See Group 70, Figure 03 for NHA)					Ref
2		• Spring, Adjuster Screw					1
3		• Sub-Assembly, Adjuster Screw					1
4		• Spring, Shoe Retractor					1
5		• Spring, Shoe Hold down					1
6		• Shoe and Lining, Secondary					1
7		• Shoe and Lining, Primary					1
8		• Clip, Wire and Magnet					3
9		• Sub-Assembly, Magnet					1
10		• Spring, Magnet					1
11		• Relief, Strain					2
12		• Lever, Operator Side					1
13		• Nut, Brake Mounting					5
14		• Washer, Brake Lock					5
15		• Assembly, Baking Plate					1
16		• Stud, Brake Mounting					5
17		• Pin, Shoe Hold down					1
18		• Slot, Plug Adjust					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

TRAILER MOUNTED PUMP MODEL C50HP
ILLUSTRATED PARTS MANUAL

C50HP
PARTS
GROUP 70
FIGURE 06
PAGE 01

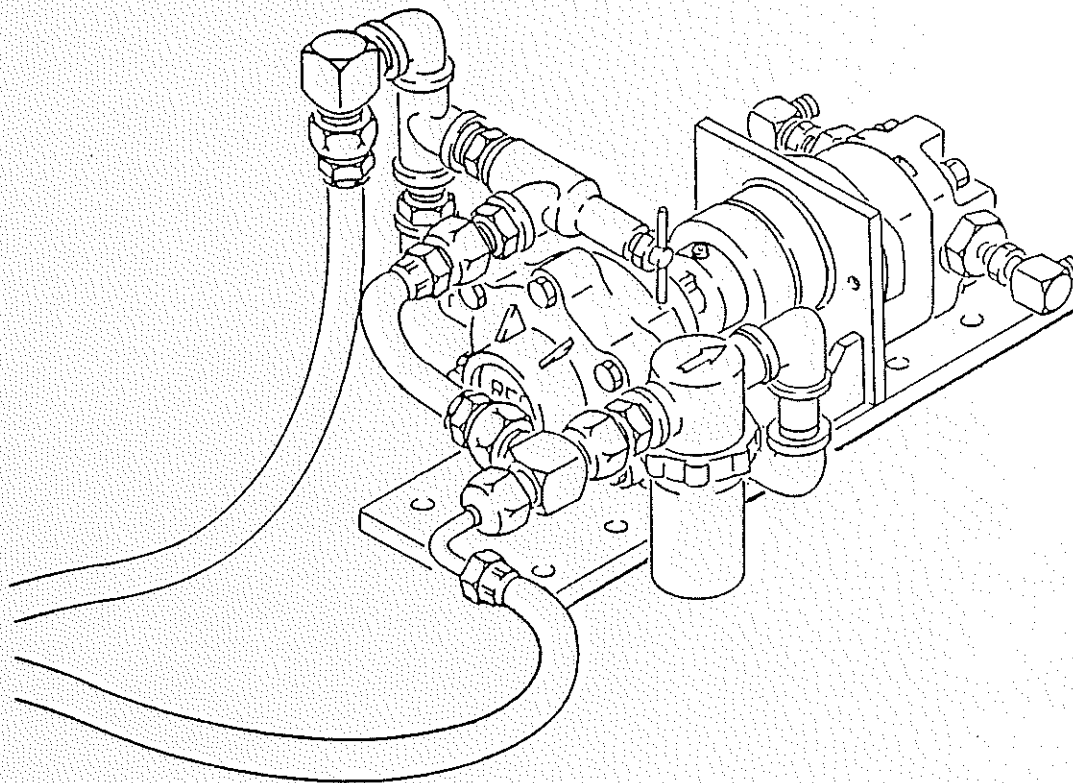
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TRAILER MOUNTED PUMP MODEL C50HP GROUP 80 OPTIONAL INSTALLATION

C50HP
PARTS
GROUP 80
FIGURE 00
PAGE 01



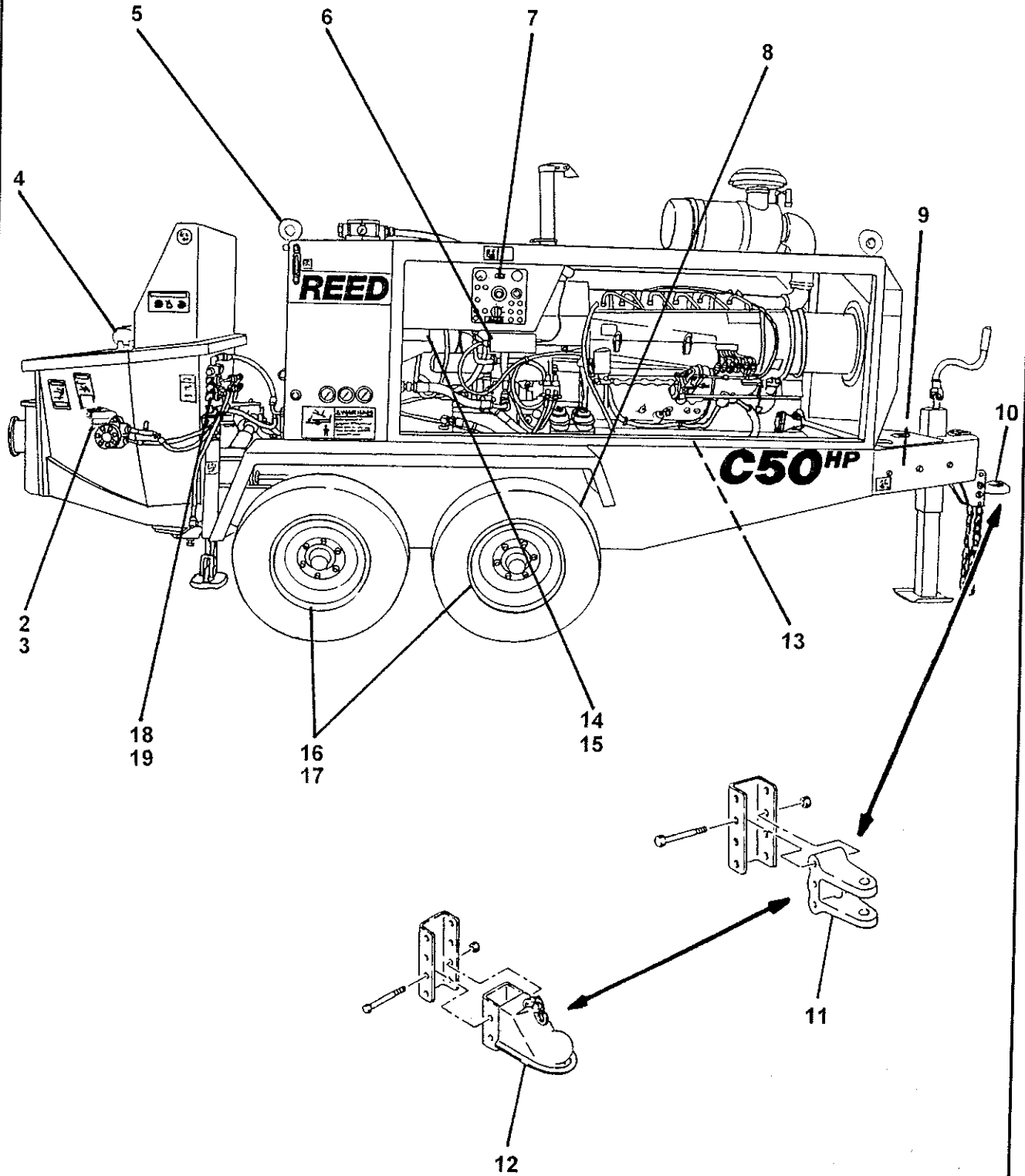
REED TRAILER MOUNTED CONCRETE PUMP MODEL **C50HP** ILLUSTRATED PARTS MANUAL GROUP 80 OPTIONAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- FIGURE 00 TABLE OF CONTENTS
- FIGURE 01 OPTIONAL INSTALLATION
- FIGURE 02 LUBE SYSTEM ASSEMBLY
- FIGURE 03 12 VOLT LUBE PUMP ASSEMBLY
- FIGURE 04 HOPPER VIBRATOR ASSEMBLY
- FIGURE 05 CHROME WHEEL ASSEMBLY
- FIGURE 06 CHROME WHEEL HUB AND BRAKE ASSEMBLY
- FIGURE 07 OPTIONAL TOOL KIT ASSEMBLY
- FIGURE 08 ACTUATOR BRAKES ASSEMBLY
- FIGURE 09 WASH PUMP ASSEMBLY
- FIGURE 10 WASH WATER PUMP ASSEMBLY
- FIGURE 11 WASH PUMP MOTOR ASSEMBLY
- FIGURE 12 ACCUMULATOR CHARGE KIT
- FIGURE 13 NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 14 OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 15 1 SPOOL VALVE ASSEMBLY
- FIGURE 16 1 SPOOL VALVE SUB-ASSEMBLY
- FIGURE 17 2 SPOOL VALVE ASSEMBLY
- FIGURE 18 2 SPOOL VALVE SUB-ASSEMBLY



OPTIONAL INSTALLATION

C50HP
PARTS
GROUP 80
FIGURE 01
PAGE 01



REVISION:

REED**OPTIONAL INSTALLATION****C50HP
PARTS
GROUP 80
FIGURE 01
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-01	Installation, Optional (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	80-02	• Assembly, Lube System (See Group 80, Figure 02 for DET)					1
3	78736	• Assembly, Lube Pump (See Group 80, Figure 03 for DET)					1
4	71429	• Assembly, Hopper Vibration (See Group 80, Figure 04 for DET)					1
5	85810	• Assembly, Optional Lifting					1
6	85818	• Assembly, Radio Remote Control (See Group 50, Figure 04 for REF)					1
7	85774	• Assembly, Stroke Counter					1
8	80-05	• Assembly, Chrome Wheel (See Group 80, Figure 05 for DET)					1
9	79020	• Assembly, Optional Tool Kit (See Group 80, Figure 07 for DET)					1
10	75413	• Assembly, Actuator Brake (See Group 80, Figure 08 for DET)					1
11	71050	• Assembly, Adjustable 1 Inch Clevis					1
12	71099	• Assembly, Adjustable Ball Coupler 2 - 5/16"					1
13	77528	• Assembly, Wash Pump (See Group 80, Figure 09 for DET)					1
14	71460	• Kit, Accumulator Charge (See Group 80, Figure 12 for DET)					1
15	30-11	• Kit, Bladder Repair (See Group 30, Figure 11 for REF)					1
16	80-13	• Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 13 for DET)					2
17	80-14	• Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 14 for DET)					2
18	80-15	• Assembly, 1 Spool Valve (See Group 80, Figure 15 for DET)					1
19	80-17	• Assembly, 2 Spool Valve (See Group 80, Figure 17 for DET)					1

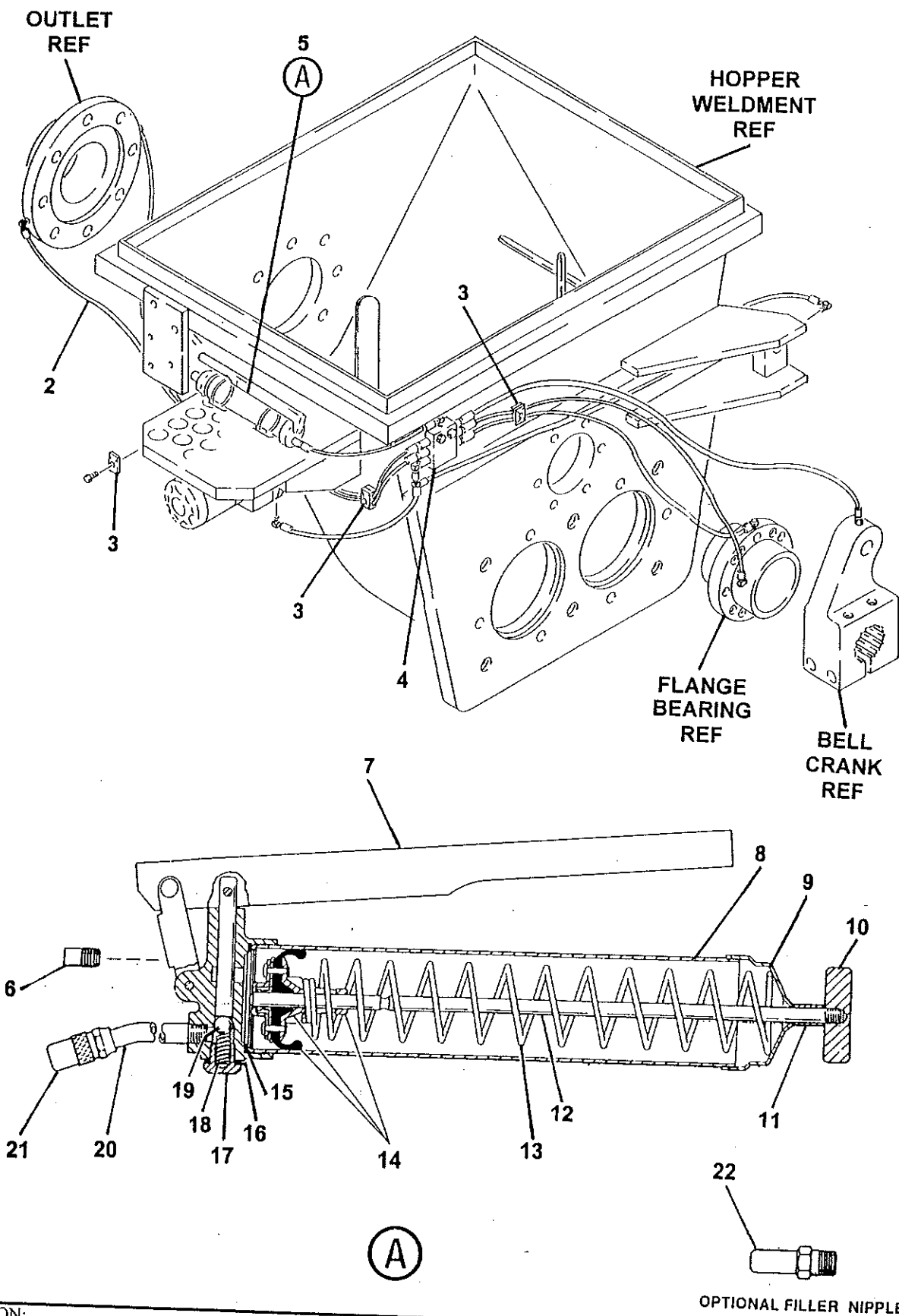
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

LUBE SYSTEM ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 02
PAGE 01



REVISION:

OPTIONAL FILLER NIPPLE

REED

LUBE SYSTEM ASSEMBLY

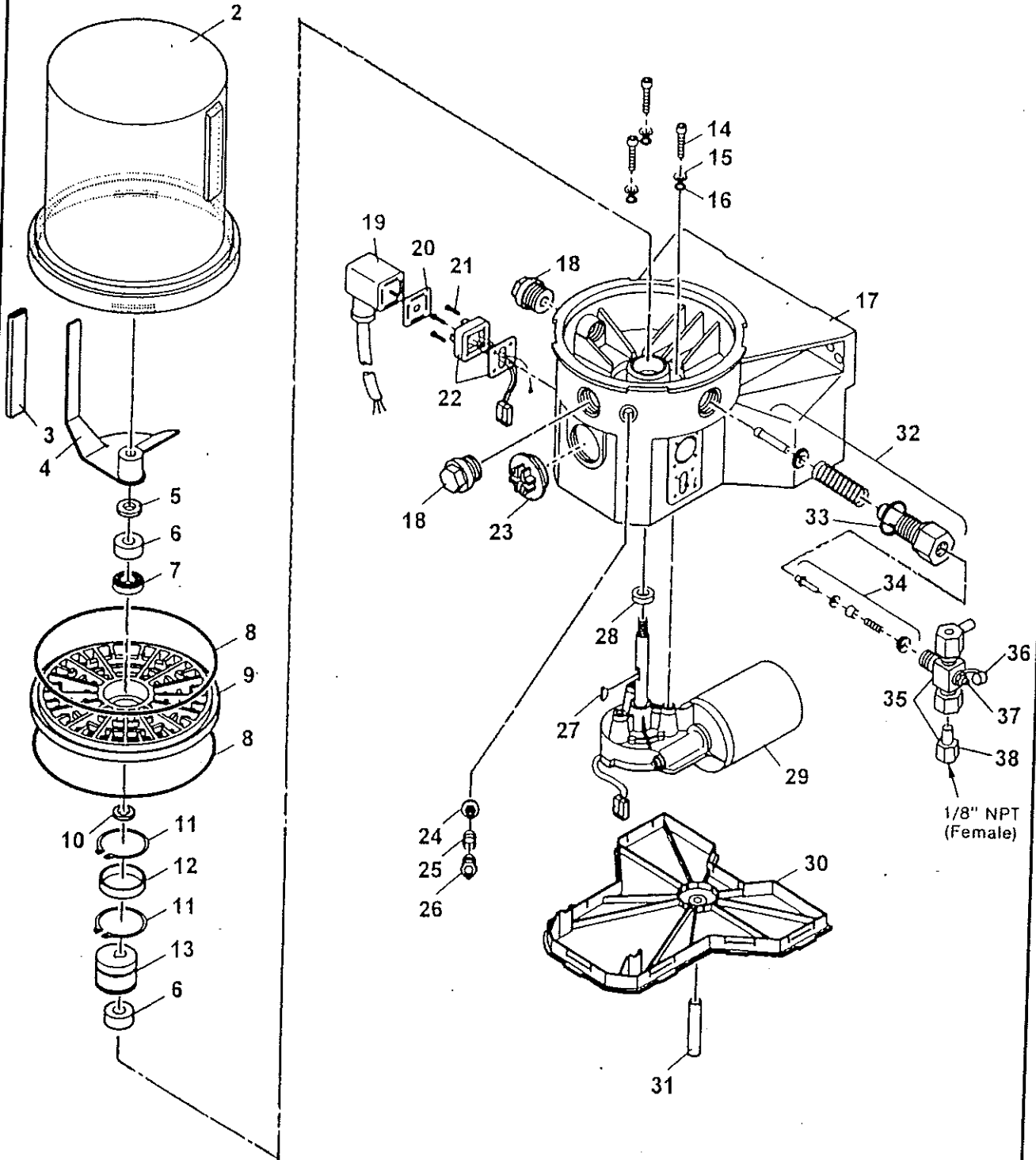
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-02	Assembly, Lube System (See Group 80, Figure 01 for NHA)					Ref
2		• Assembly, Lube Hose					A/R
3	75436	• Clamp, Pipe					3
4	72355	• Block, 6 Station Lube System					1
5	78532	• Gun, Grease					1
6		• • Plug					1
7		• • Handle, Pumping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

DASH (-) ITEM NOT ILLUSTRATED

REED

LUBE PUMP ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 03
PAGE 01



REVISION:



LUBE PUMP ASSEMBLY

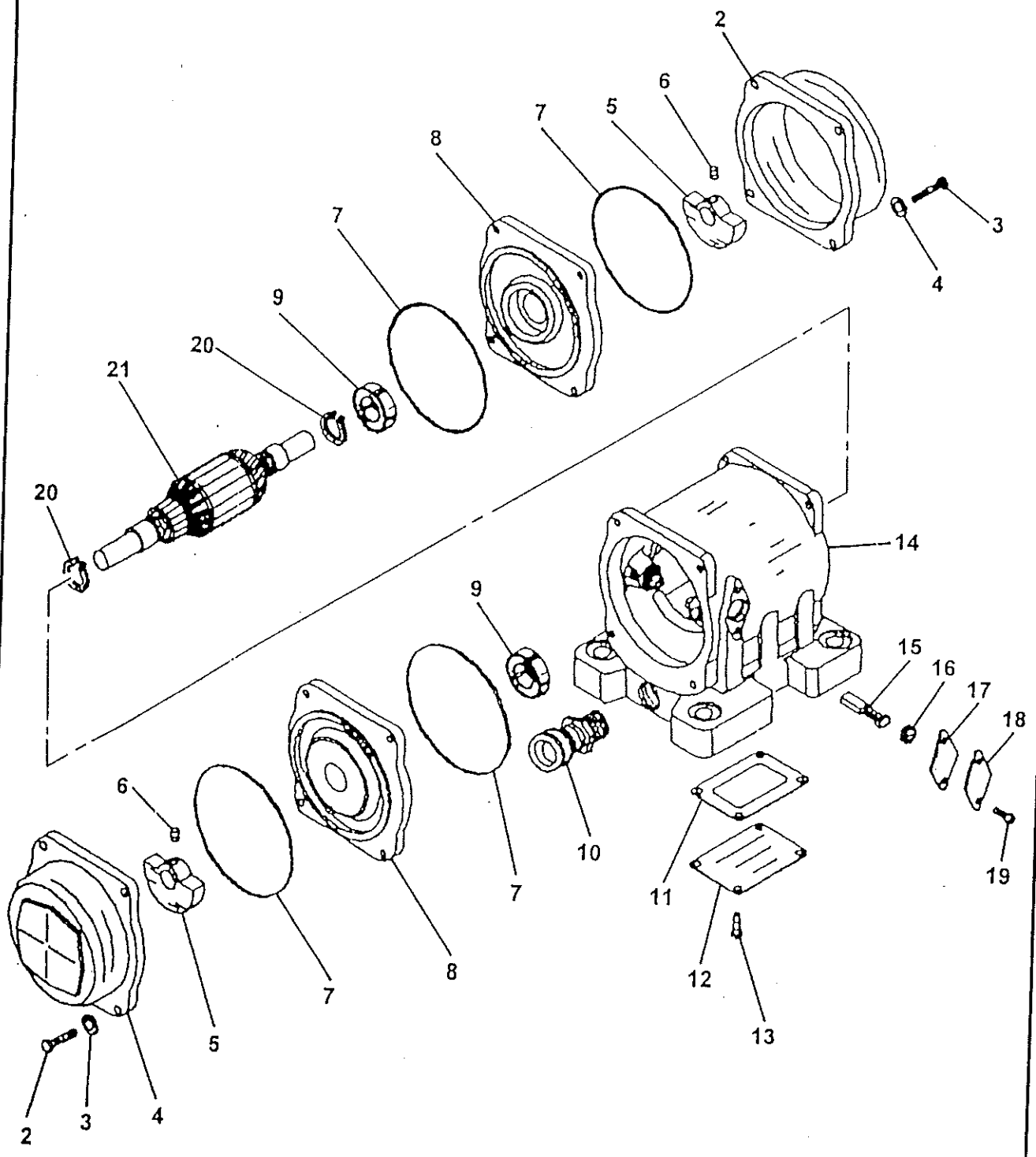
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
			1 2 3 4 5
-1	78736	Assembly, Lube Pump (See Group 80, Figure 01 for NHA)	Ref
2		• Reservoir	1
3		• House	1
4		• Paddle, Stirring	1
5		• Washer	1
6		• Ring, Bearing	2
7		• Bearing	1
8		• O-Ring	2
9		• Plate, Intermediate	1
10		• Shim	1
11		• Ring, Snap	2
12		• 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

C50HP
PARTS
GROUP 80
FIGURE 04
PAGE 01



REVISION:



HOPPER VIBRATOR ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 04
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

REED**CHROME WHEEL ASSEMBLY****C50HP
PARTS
GROUP 80
FIGURE 05
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-05	Assembly, Chrome Wheel (See Group 80, Figure 01 for NHA)	Ref
2	80-06	• Assembly, Chrome Wheel Hub and Brake (See Group 80, Figure 06 for DET)	4
3	73212	• Assembly, Chrome Wheel and Tire	4
4	73554	• • Tire	1
5	73555	• • Wheel	1
6	85383	• Axle	2

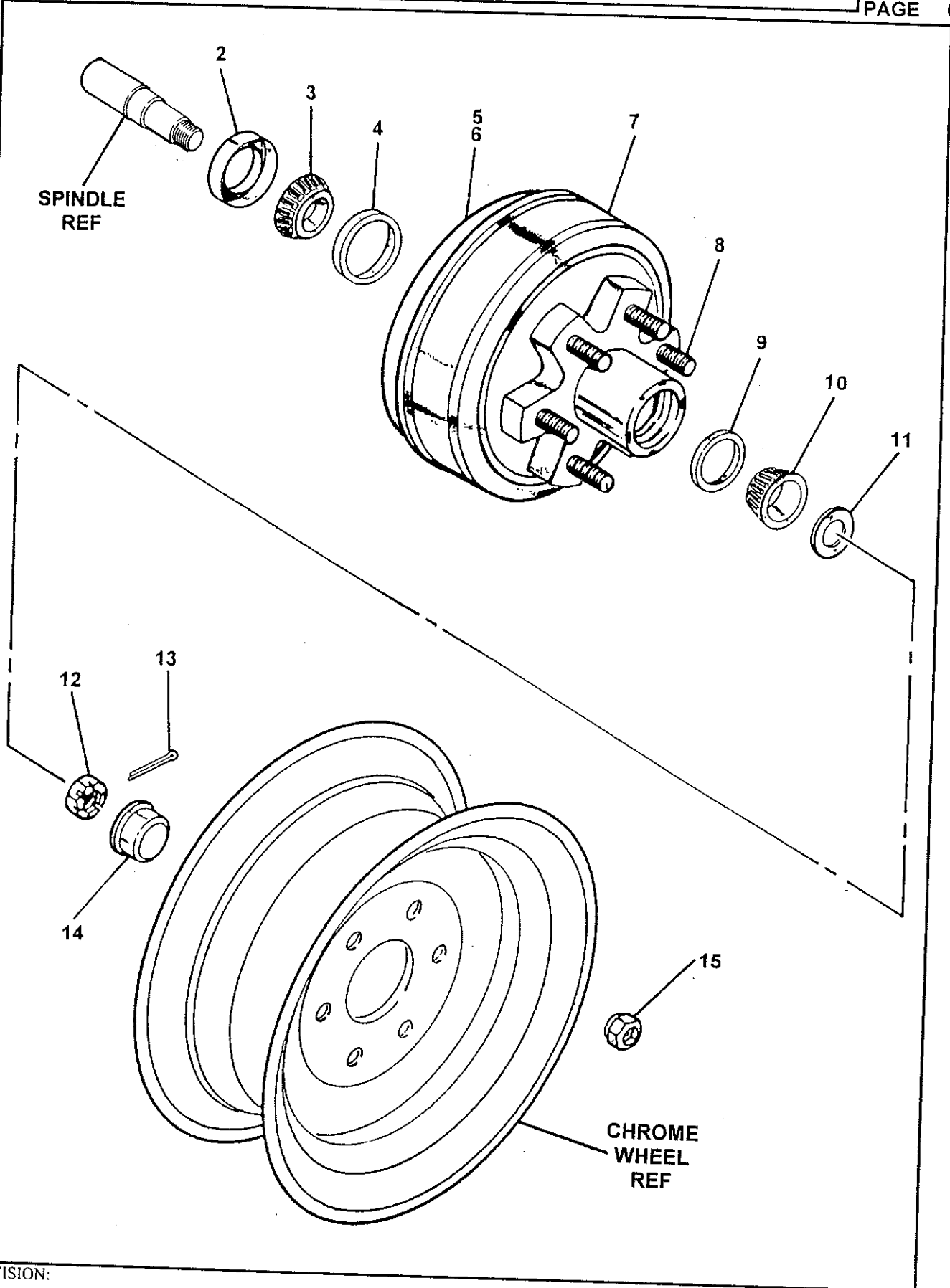
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



CHROME WHEEL HUB AND BRAKE ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 06
PAGE 01



REVISION:



CHROME WHEEL HUB AND BRAKE ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 06
PAGE 02

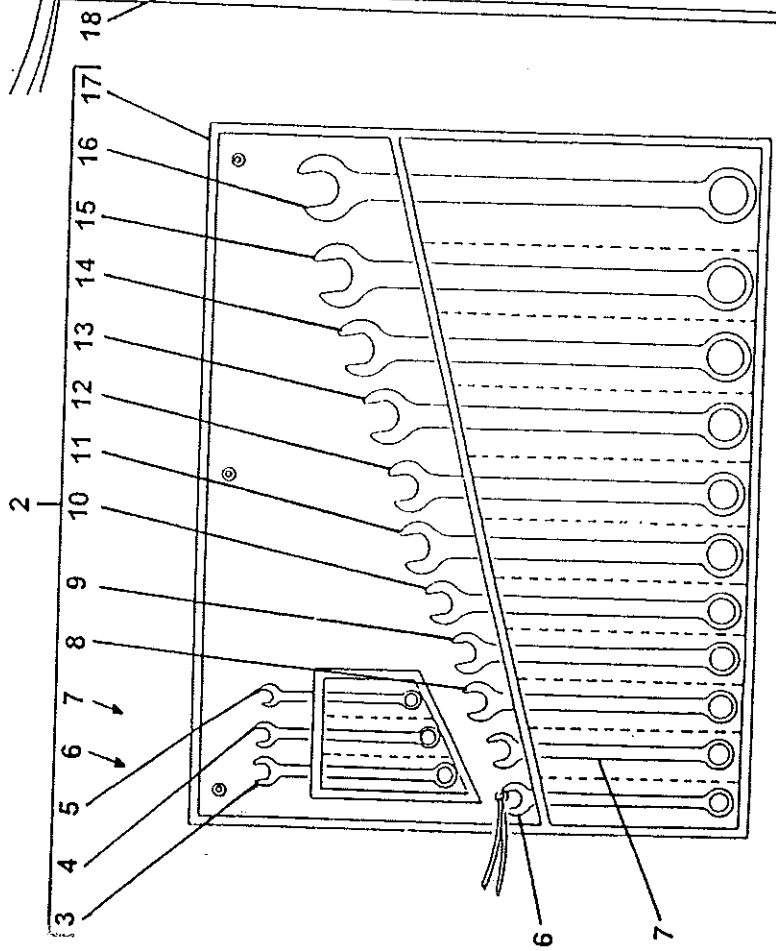
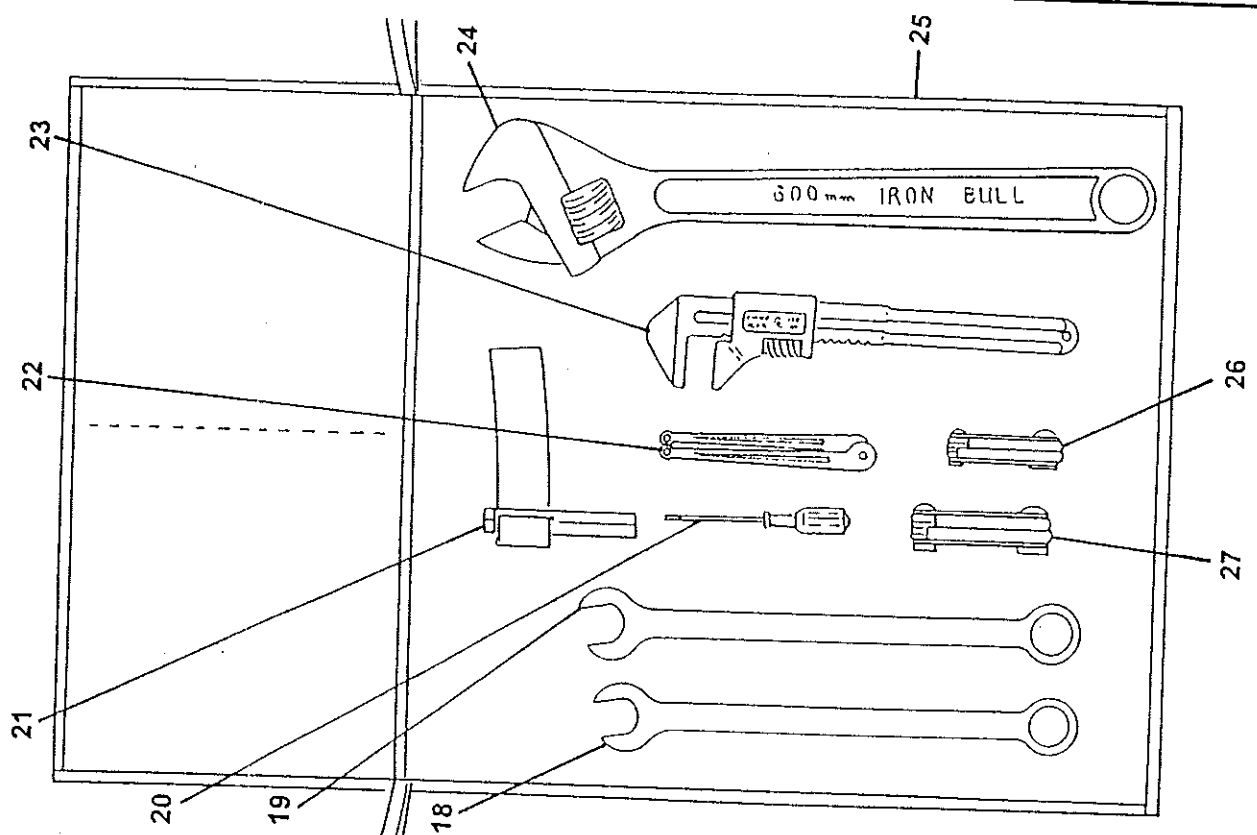
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-06	Assembly, Chrome Wheel Hub and Brake (See Group 80, Figure 05 for NHA)					Ref
2	71095	• Seal, Grease					1
3	71094	• Bearing, Inner					1
4	71092	• Cup, Inner Bearing					1
5	71056-L	• Assembly, Non-Operator Electric Brake (See Group 70, Figure 04 for DET)					1
6	71056-R	• Assembly, Operator Electric Brake (See Group 70, Figure 05 for DET)					2
7	73211	• Assembly, Hub					2
8	71070	• Assembly, Drum					6
9		• Bolt, Wheel					1
10	71091	• Cup, Outer Bearing					1
11	71098	• Bearing, Outer					1
12	71081	• Washer, Spindle					1
13	71089	• Nut, Spindle					1
14	71088	• Pin, Cotter					1
15	71096	• Cap, Dust					6
16	71075	• Nut, Wheel					

DASH (-) ITEM NOT ILLUSTRATED

REED

OPTIONAL TOOL KIT

C50HP
PARTS
GROUP 80
FIGURE 07
PAGE 01



REVISION:

REED**OPTIONAL TOOL KIT**
C50HP
PARTS
 GROUP 80
 FIGURE 07
 PAGE 02

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

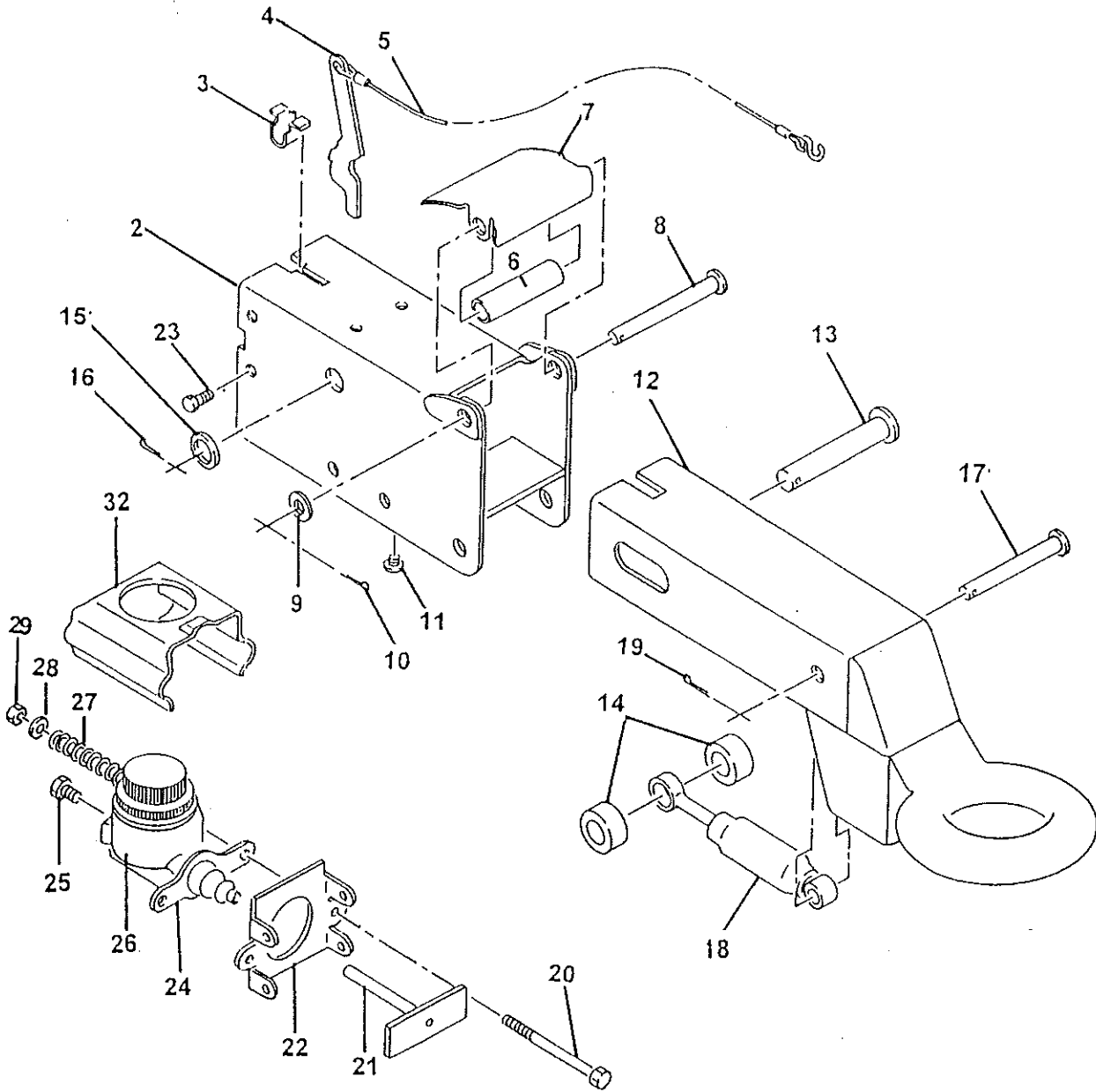
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



ACTUATOR BRAKES ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 08
PAGE 01



REVISION:

REED**ACTUATOR BRAKES ASSEMBLY****C50HP
PARTS
GROUP 80
FIGURE 08
PAGE 02**

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

DASH (-) ITEM NOT ILLUSTRATED

REED**WASH PUMP ASSEMBLY**
C50HP
PARTS
 GROUP 80
 FIGURE 09
 PAGE 02

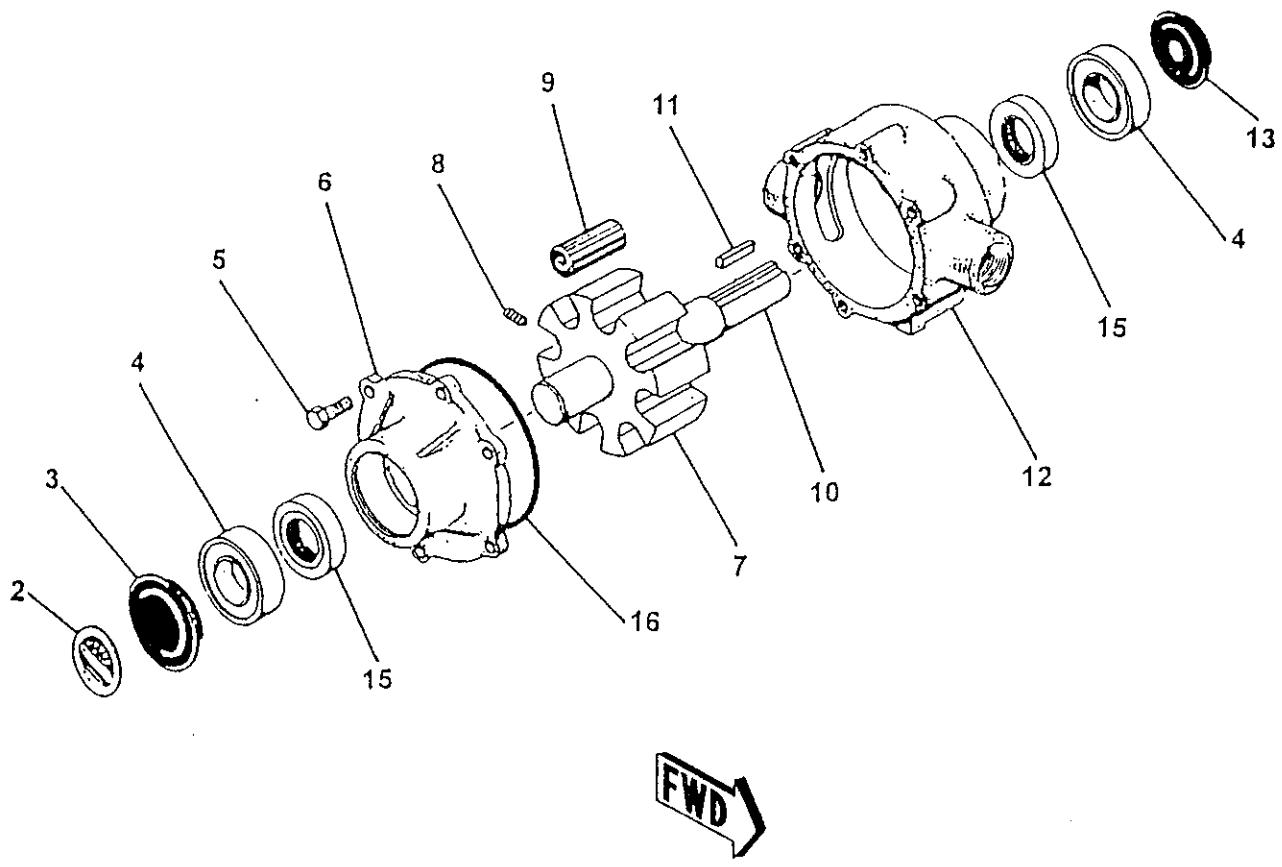
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	77528	Assembly, Wash Pump (See Group 80, Figure 01 for NHA)					Ref
2	70842	• Fitting, STR					7
3		• Assembly, Hose					1
4		• Fitting, 90					1
5	56412	• Street					3
6	10228	• Tee					1
7	78128	• Valve, Relief					1
8	78157	• Assembly Wash Water Pump (See Group 80, Figure 10 for DET)					1
9	78154	• Coupling, Wash Pump					1
10	78155	• Spider					1
11	78153	• Coupling, Wash Motor					1
12	78158	• Strainer					2
13	20144	• Nipple					1
14	20143	• Elbow, 90					2
15		• Fitting, 90					2
16		• Reducer					1
17	78152	• Assembly Wash Pump Motor (See Group 80, Figure 11 for DET)					2
18		• Washer (attaching parts)					2
19		• Bolt (attaching parts)					1
20	78772	• Plate, Wash Pump					1
21	78789	• Weldment, Wash Pump					2
22		• Screw (attaching parts)					4
23	79143	• U-Bolt, with Nut					1
24		• Fitting, 90					1
25	13186	• Valve, Ball					2
26		• Nipple					1
27		• Elbow, 90					1
28	12061	• Connector					1
29		• Fitting, 90					1
30		• Assembly, Hose					1
31		• Tee					1
32		• Assembly, Hose					1

DASH (-) ITEM NOT ILLUSTRATED



WATER PUMP ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 10
PAGE 01



REVISION:

REED**WATER PUMP ASSEMBLY****C50HP
PARTS
GROUP 80
FIGURE 10
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	78157	Assembly, Wash Water Pump (See Group 80, Figure 09 for NHA)	Ref
2		• Plate, Name	1
3		• Cover, Bearing Rear	1
4		• Bearing, Sealed Bowl	2
5		• Endplate, (Ni-Resist) with Seal	1
6		• Bolt, Hex (attaching parts)	6
7		• Rotor, (Ni-Resist) with Shaft	1
8		• Screw, Set (attaching parts)	1
9		• Roller, Teflon	1
10		• Shaft	1
11		• Key	1
12		• Body, (Ni-Resist) with Seal	1
13		• Cover, Bearing Shaft	1
-14	72329	• Kit, Seal	1
15		• • Seal, Buna	2
16		• • Gasket, End Plate O-Ring	1

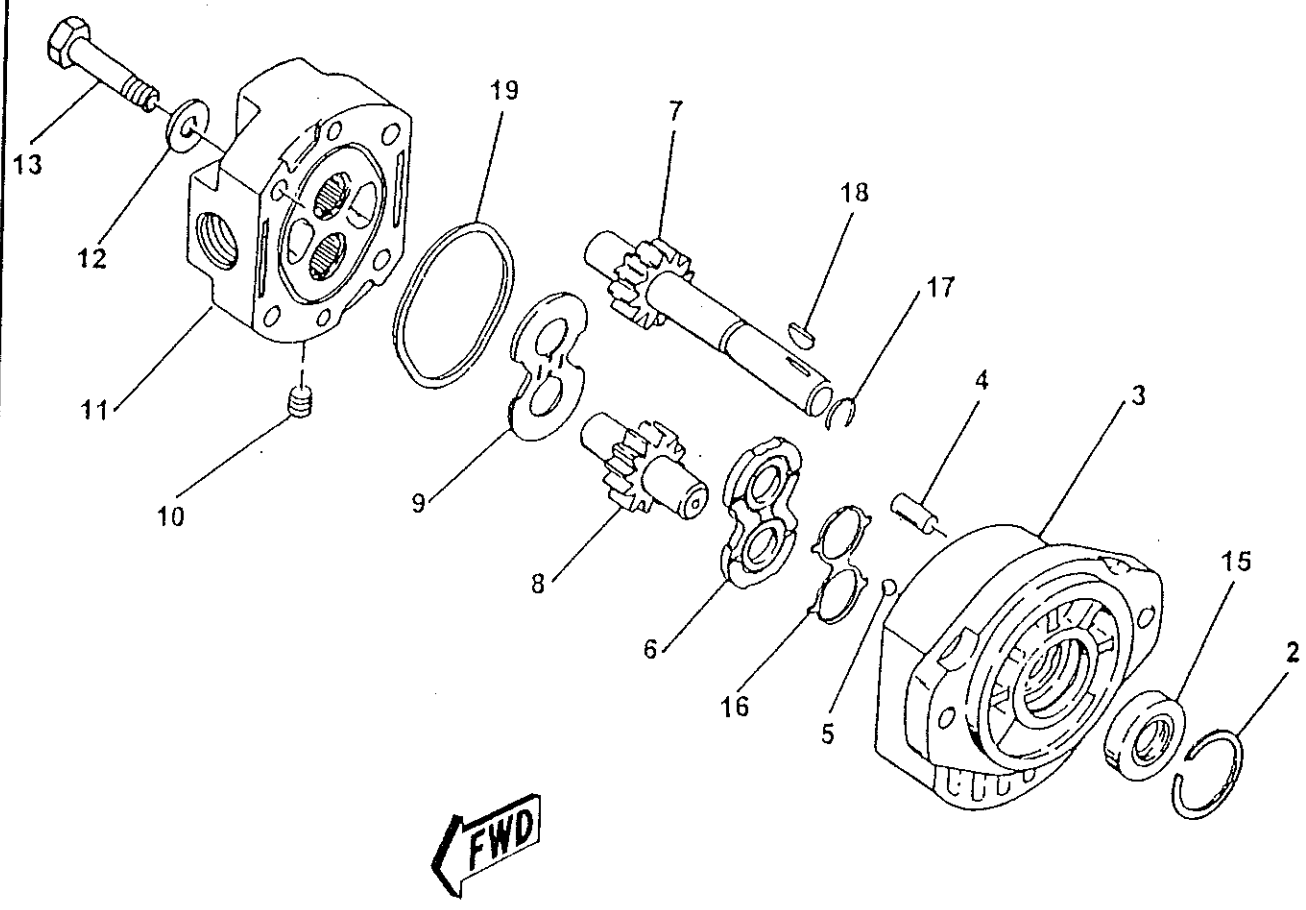
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



WASH PUMP MOTOR ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 11
PAGE 01



REVISION:

REED**WASH PUMP MOTOR ASSEMBLY****C50HP
PARTS
GROUP 80
FIGURE 11
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	78152	Assembly, Wash Pump Motor (See Group 80, Figure 09 for NHA)					Ref
2		• Retainer					1
3		• Assembly, Body					1
4		• Pin, Dowel					2
5		• Bearing, Ball					2
6		• Plate, Wear					1
7		• Gear, Driven Wear					1
8		• Gear, Driven					1
9		• Plate, Thrust					1
10		• Plug, Pipe					4
11		• Assembly, Cover					1
12		• Washer (attaching parts)					4
13		• Screw, Hex (attaching parts)					4
14		• Kit, Seal					1
15		• • Brush					1
16		• • Cap, Brush					1
17		• • Gasket					1
18		• • Cover, Brush					1

DASH (-) ITEM NOT ILLUSTRATED



ACCUMULATOR CHARGE KIT

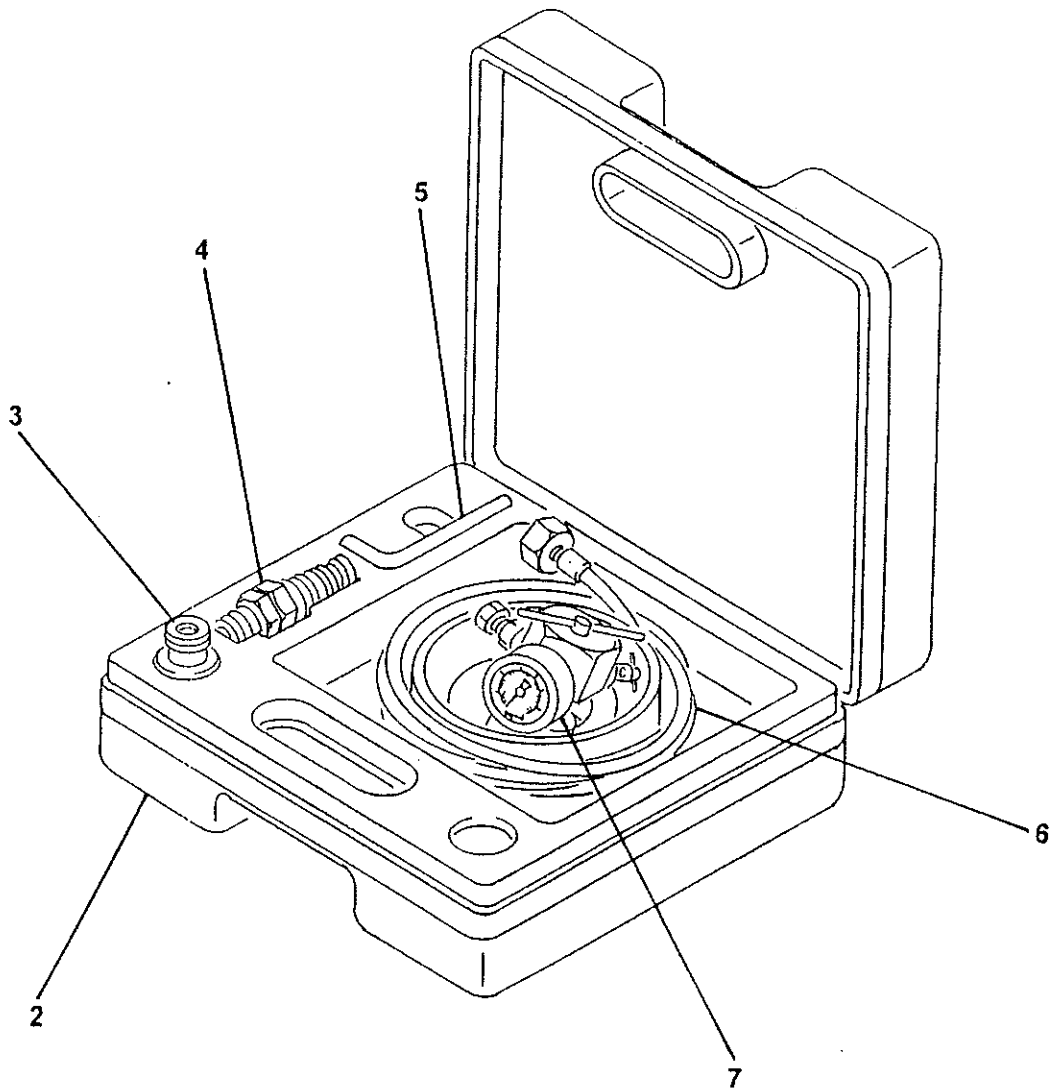
C50HP

PARTS

GROUP 80

FIGURE 12

PAGE 01





ACCUMULATOR CHARGE KIT

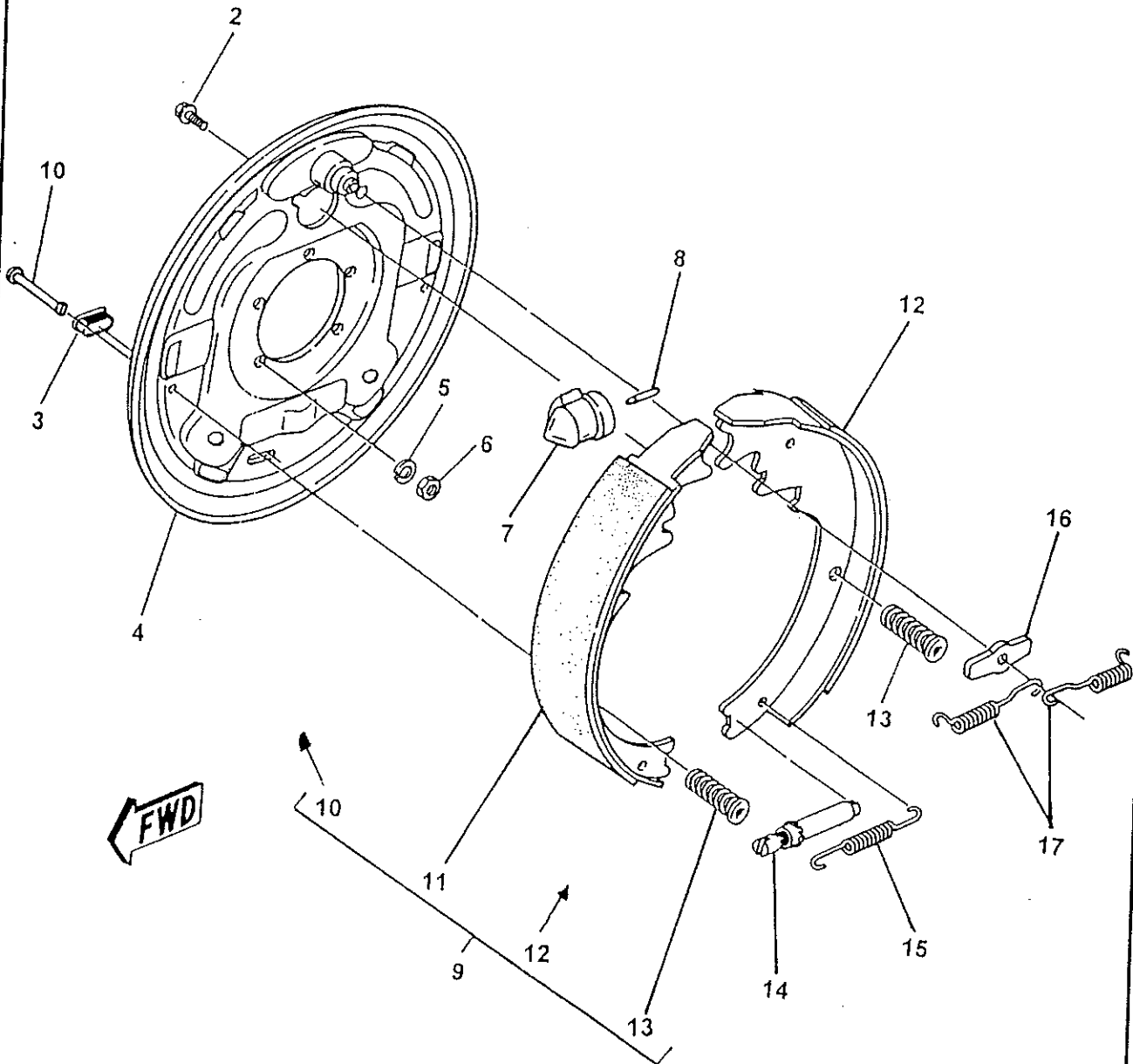
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	71460	Kit, Accumulator Charge (See Group 80, Figure 01 for NHA)					Ref
2		• Case, Charge Kit					1
3		• Adapter, FPK / SB					1
4		• Adapter, G4					1
5		• Wrench, Allen					1
6		• Hose, Charging					1
7		• Unit, FPK Charging and Gagging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

DASH (-) ITEM NOT ILLUSTRATED

REED

NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 13
PAGE 01



REVISION:

REED**NON-OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY****C50HP
PARTS
GROUP 80
FIGURE 13
PAGE 02**

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

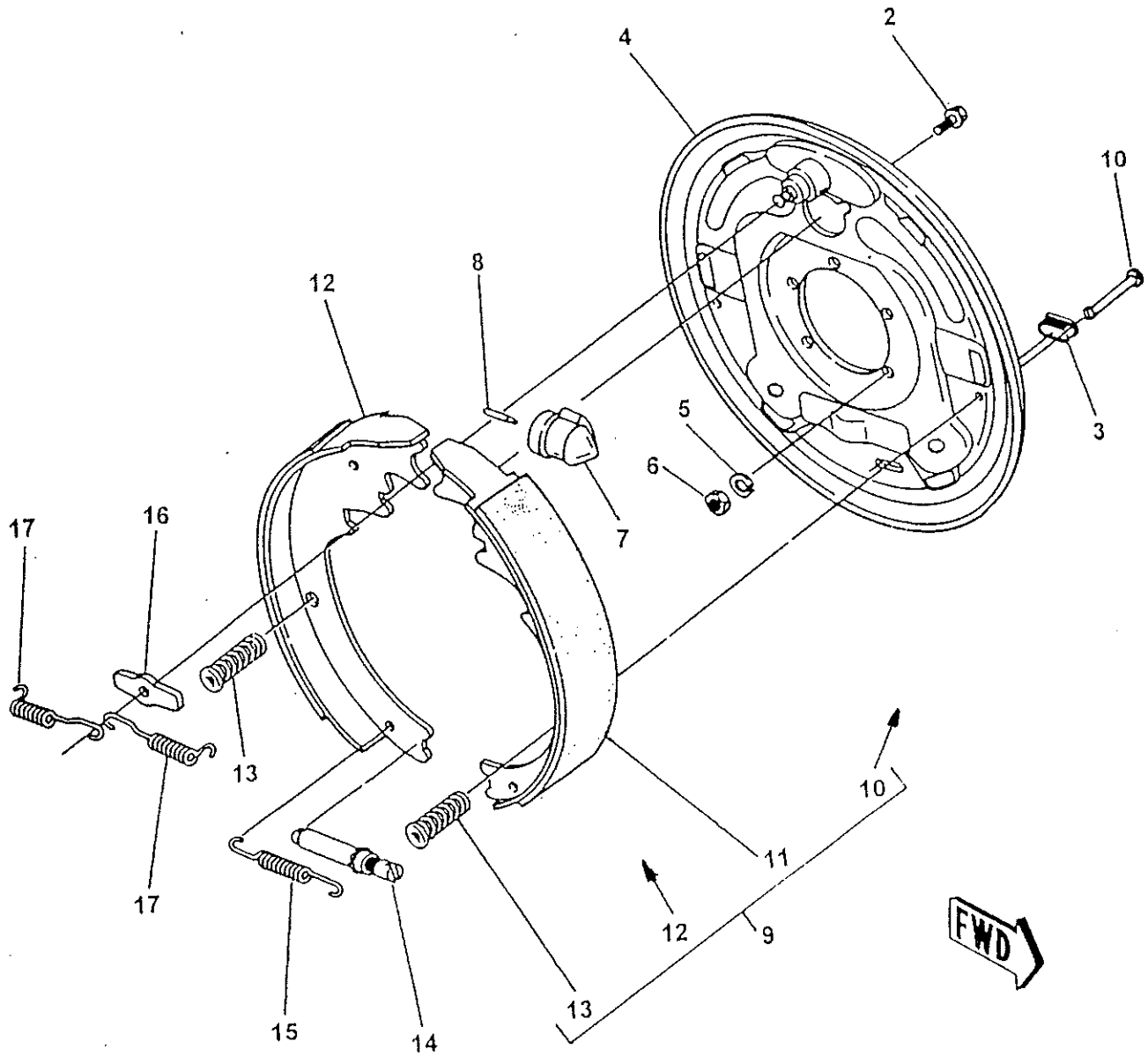
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 14
PAGE 01





OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 14
PAGE 02

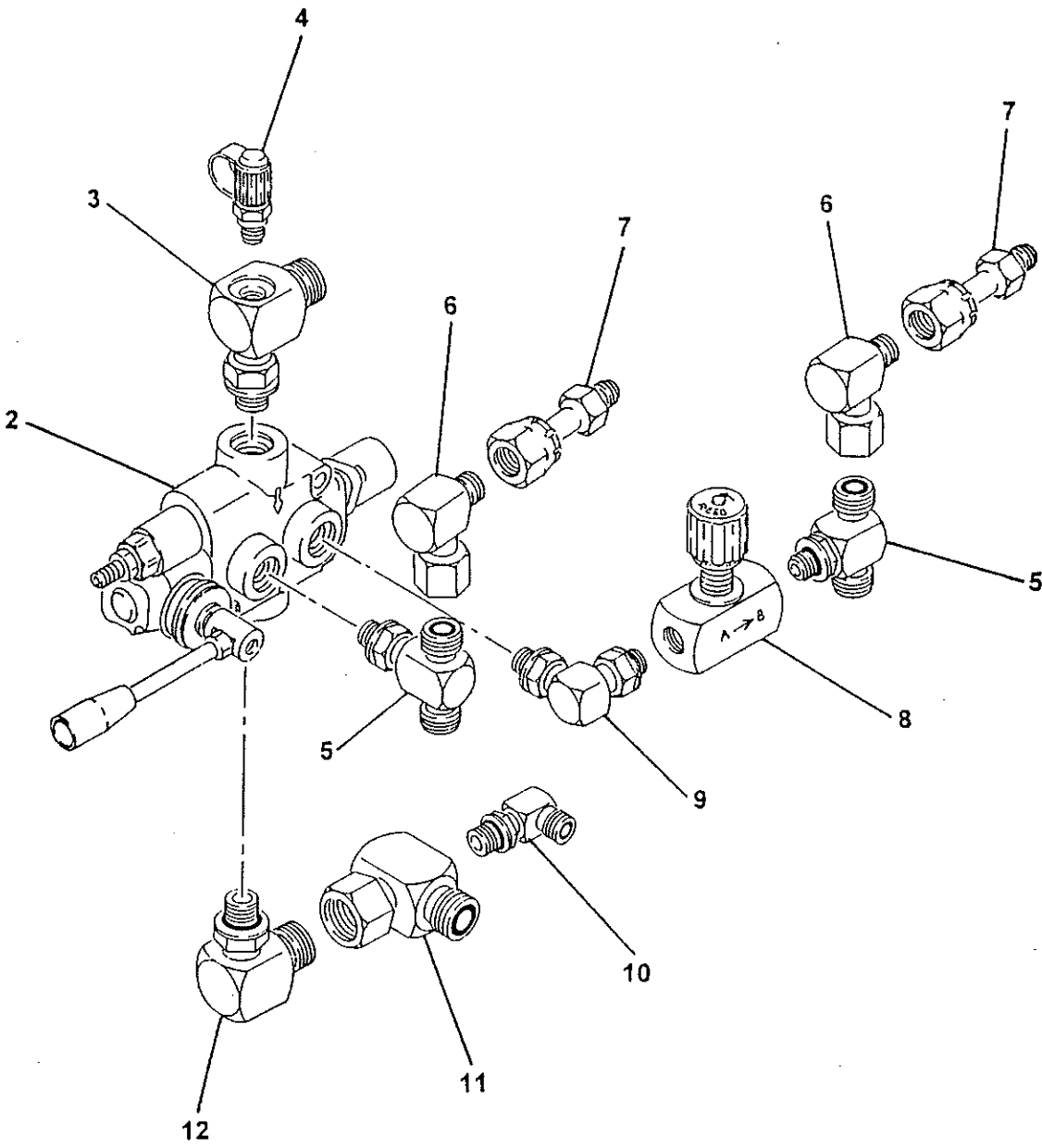
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-14	Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 01 for NHA)	Ref
2		• Screw, with Washer	1
3		• Plug	2
4		• Plate, Backing	1
5		• Washer, Lock (attaching parts)	5
6		• Nut, Brake Mounting (attaching parts)	5
7		• Cylinder, Operator 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



1 SPOOL VALVE ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 15
PAGE 01



REVISION:

REED**1 SPOOL VALVE ASSEMBLY****C50HP
PARTS
GROUP 80
FIGURE 15
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-15	Assembly, 1 Spool Valve (See Group 80, Figure 01 for NHA)	Ref
2	74584	• Sub-Assembly, 1 Spool Valve (See Group 80, Figure 16 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	1
8		• Controller, Check	1
9		• Fitting, 90	1
10		• Fitting, 90	1
11		• Tee, Special Drill	1
12		• Fitting, 90	1

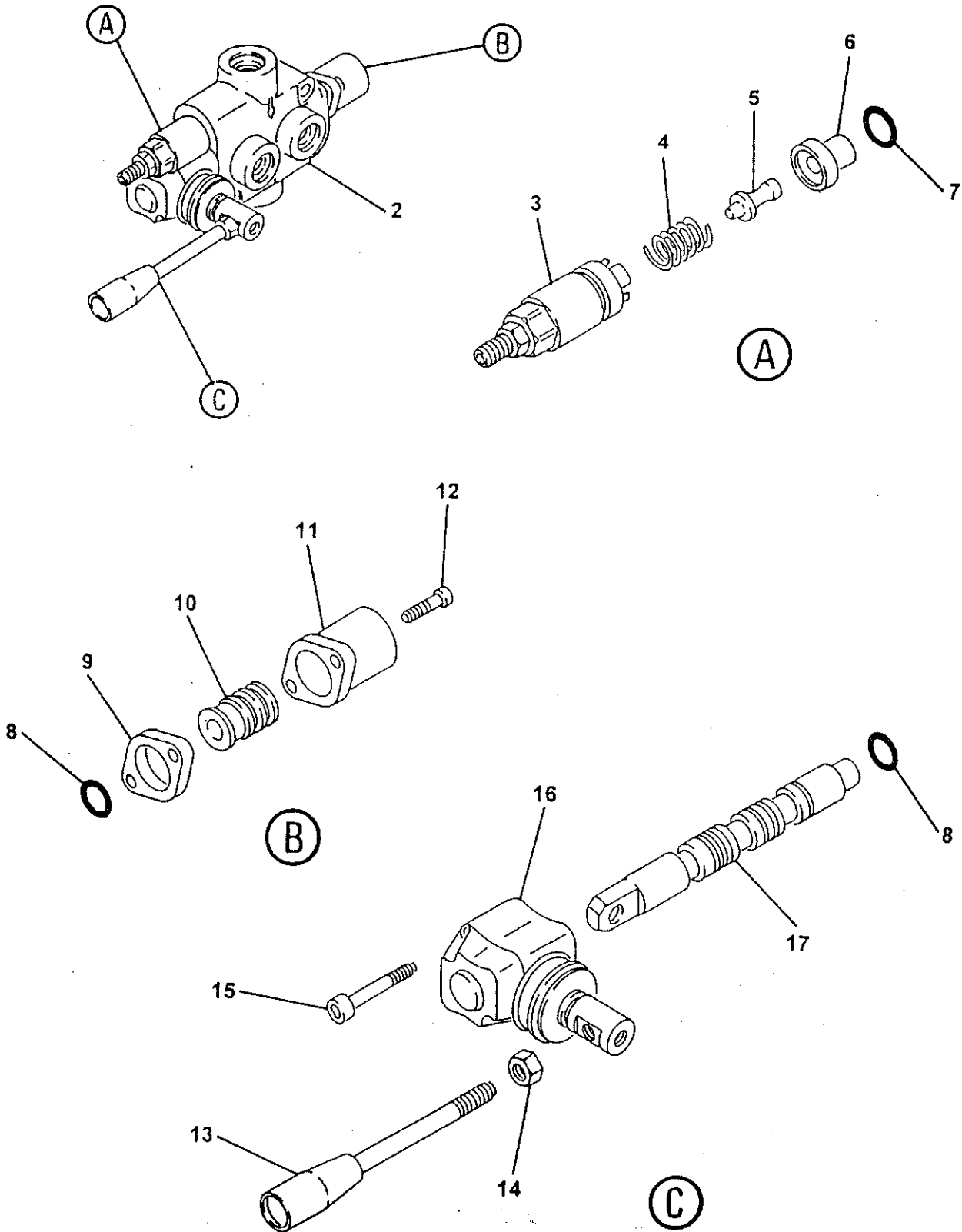
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

1 SPOOL VALVE SUB-ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 16
PAGE 01



REVISION:

REED**1 SPOOL VALVE SUB-ASSEMBLY****C50HP
PARTS
GROUP 80
FIGURE 16
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	Ref
-1	74584	Sub-Assembly, 1 Spool Valve (See Group 80, Figure 15 for NHA)	1
2		• Body, Valve	1
3		• Kit, Screw	1
4		• Spring	1
5		• Pin, Screw Kit	1
6		• Ring	1
7		• O-Ring	2
8		• O-Ring	1
9		• Spacer	1
10		• Kit, Spool Control	1
11		• Cap, Spool	2
12		• Screw, SOC (attaching Parts)	1
13		• Handle, Remixer Valve	1
14		• Nut (attaching parts)	2
15		• Screw, SOC	1
16		• Lever, L	1
17		• Spool	1

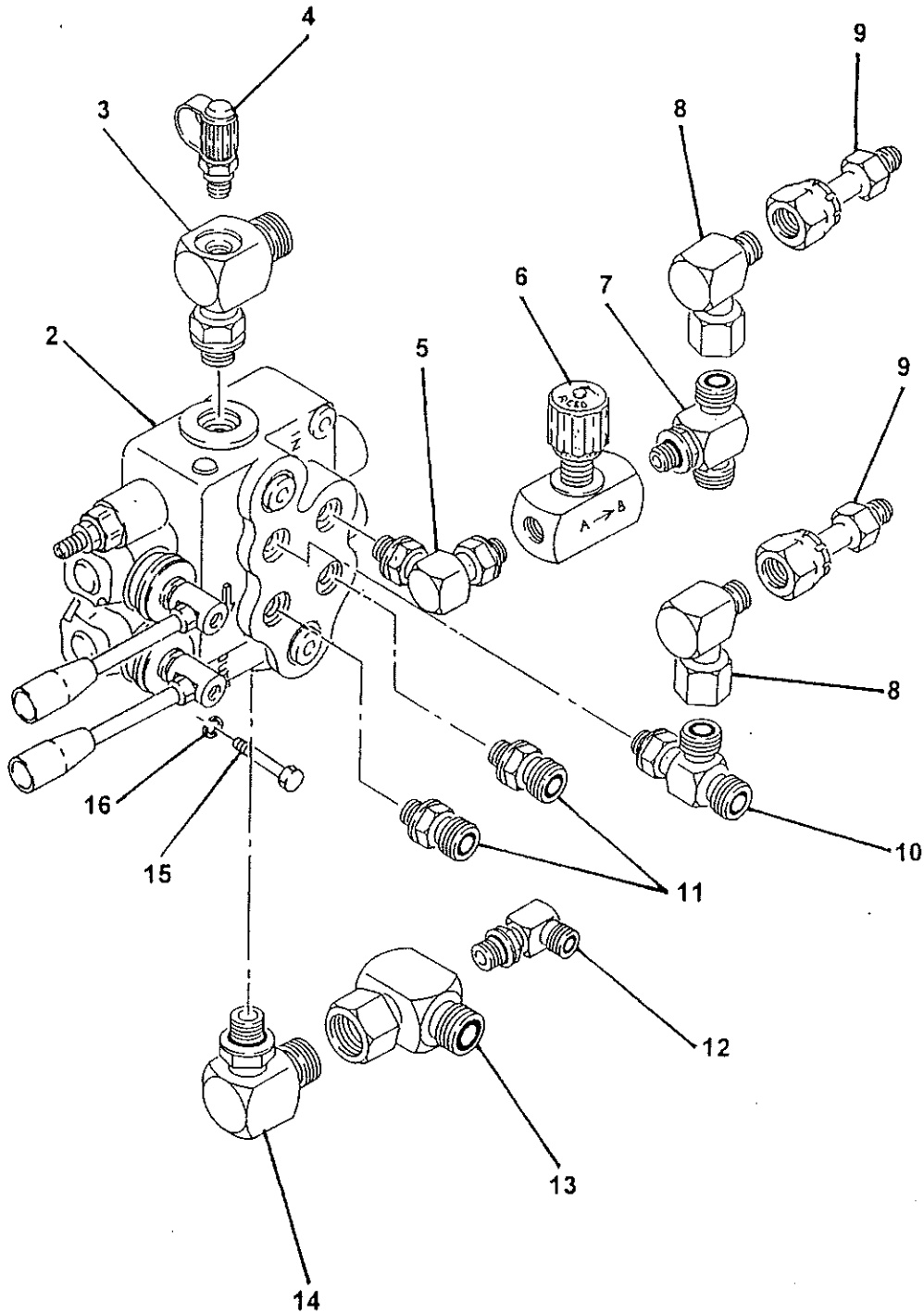
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

2 SPOOL VALVE ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 17
PAGE 01



REVISION:



2 SPOOL VALVE ASSEMBLY

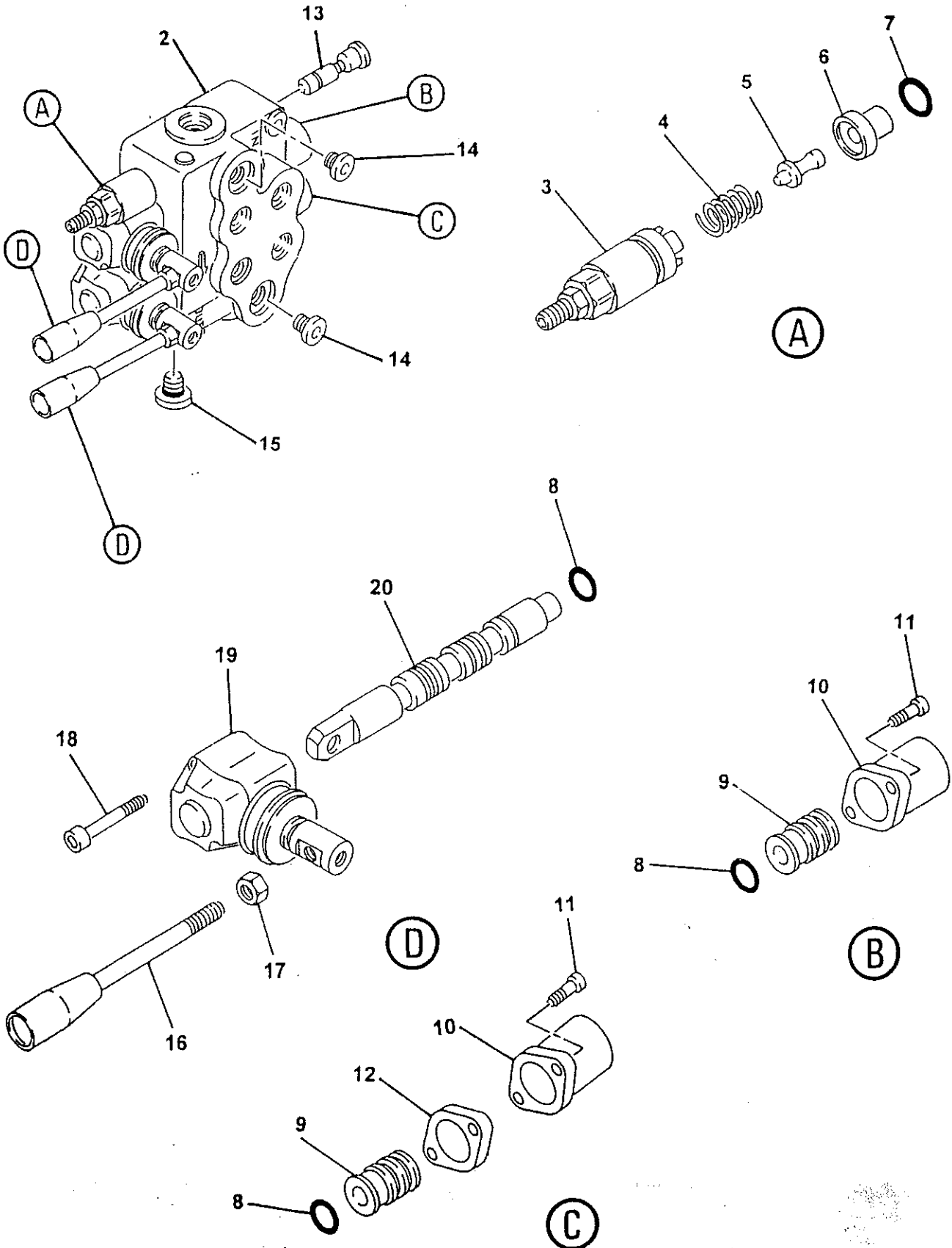
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-15	Assembly, 2 Spool Valve (See Group 80, Figure 01 for NHA)					Ref
2	74585	• Sub-Assembly, 2 Spool Valve (See Group 80, Figure 18 for DET)					1
3		• Tee, Special Drill					1
4	78593	• Fitting, Mini Check (Port)					1
5		• Fitting, 90					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

REED

2 SPOOL VALVE SUB-ASSEMBLY

C50HP
PARTS
GROUP 80
FIGURE 18
PAGE 01



REVISION:

REED**2 SPOOL VALVE SUB-ASSEMBLY****C50HP
PARTS
GROUP 80
FIGURE 18
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	74585	Sub-Assembly, 2 Spool Valve (See Group 80, Figure 17 for NHA)					Ref
2		• Body, Valve					1
3		• Kit, Screw					1
4		• Spring					1
5		• Pin, Screw Kit					1
6		• Ring					1
7		• O-Ring					1
8		• O-Ring					4
9		• Kit, Spool Control					2
10		• Cap, Spool					2
11		• Screw, SOC (attaching Parts)					4
12		• Spacer					1
13		• Kit, VRS					1
14		• Plug					2
15		• Plug					1
16		• Handle, Remixer Valve					2
17		• Nut (attaching parts)					2
18		• Screw, SOC					4
19		• Lever, L					2
20		• Spool					2

DASH (-) ITEM NOT ILLUSTRATED



TRAILER MOUNTED PUMP MODEL C50HP
ILLUSTRATED PARTS MANUAL

C50HP
PARTS
GROUP 80
FIGURE 19
PAGE 01

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