**SHOWN MODEL STANDARD HOPPER UNIT**

REED TRAILER MOUNTED CONCRETE PUMP MODEL B45 ILLUSTRATED PARTS MANUAL CONTAINS THE FOLLOWING GROUPS AND FIGURES:

GROUP 00 HOW TO USE PARTS MANUAL

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

GROUP 10 FINAL INSTALLATION

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

GROUP 20 HOPPER INSTALLATION

- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** STANDARD HOPPER INSTALLATION
- FIGURE 02** HARSH MIX HOPPER INSTALLATION
- FIGURE 03** SQUARE CLEAN OUT DOOR ASSEMBLY
- FIGURE 04** ROUNDED CLEAN OUT DOOR ASSEMBLY
- FIGURE 05** STANDARD HOPPER AGITATOR ASSEMBLY
- FIGURE 06** HARSH MIX HOPPER AGITATOR ASSEMBLY
- FIGURE 07** STANDARD HOPPER AGITATOR MOTOR ASSEMBLY
- FIGURE 08** HARSH MIX HOPPER AGITATOR MOTOR ASSEMBLY
- FIGURE 09** AGITATOR CONTROL VALVE ASSEMBLY
- FIGURE 10** AGITATOR CONTROL VALVE SUB-ASSEMBLY

GROUP 30 TANK INSTALLATION

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

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FIGURE 02	HYDRAULIC PUMPS ASSEMBLY
FIGURE 03	SINGLE AUXILIARY PUMP ASSEMBLY
FIGURE 04	DOUBLE AUXILIARY PUMP ASSEMBLY
FIGURE 05	MAIN PUMP ASSEMBLY
FIGURE 06	BATTERY MOUNTING ASSEMBLY

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

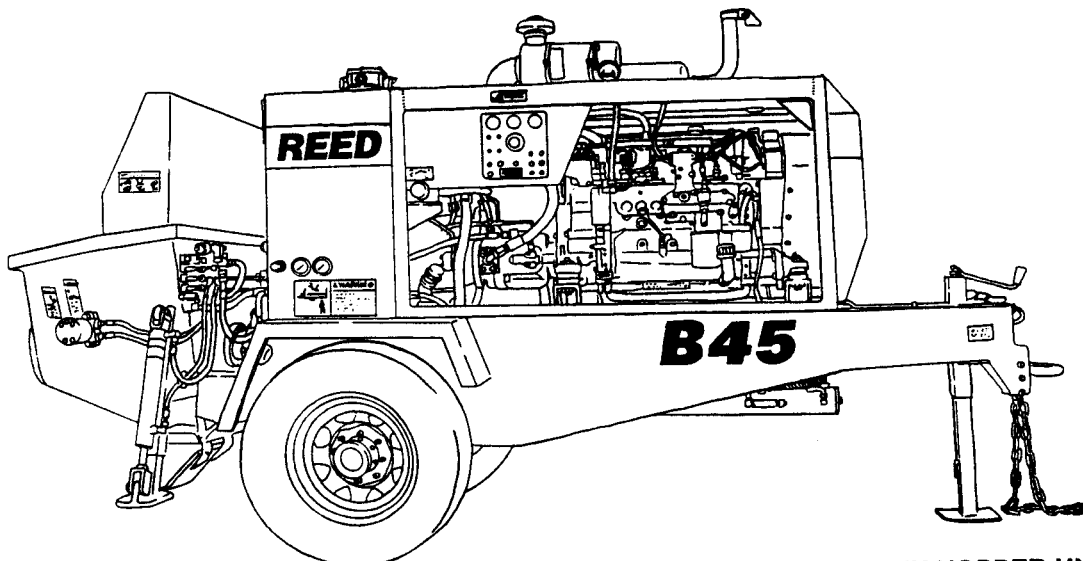
FIGURE 00	TABLE OF CONTENTS
FIGURE 01	PUMPING TRAIN INSTALLATION
FIGURE 02	SWING VALVE ASSEMBLY
FIGURE 03	SWING RAM CYLINDER SUB-ASSEMBLY
FIGURE 04	CONCRETE CYLINDER ASSEMBLY
FIGURE 05	FLUSHBOX ASSEMBLY
FIGURE 06	HYDRAULIC DRIVE CYLINDER ASSEMBLY
FIGURE 07	HYDRAULIC DRIVE CYLINDER SUB-ASSEMBLY

GROUP 70 FRAME INSTALLATION

- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** FRAME INSTALLATION
- FIGURE 02** HUB AND BRAKE ASSEMBLY
- FIGURE 03** NON-OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY
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- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** OPTIONAL INSTALLATION
- FIGURE 02** LUBE SYSTEM ASSEMBLY
- FIGURE 03** 12 VOLT LUBE PUMP ASSEMBLY
- FIGURE 04** HOPPER VIBRATOR ASSEMBLY
- FIGURE 05** THROTTLE SOLENOID ASSEMBLY
- FIGURE 06** ACCUMULATOR CHARGE KIT
- FIGURE 07** OPTIONAL TOOL KIT ASSEMBLY
- FIGURE 08** ACTUATOR BRAKE ASSEMBLY
- FIGURE 09** WASH PUMP ASSEMBLY
- FIGURE 09A** WATER PUMP CONTROL VALVE ASSEMBLY
- FIGURE 10** WASH WATER PUMP ASSEMBLY
- FIGURE 11** WASH PUMP MOTOR ASSEMBLY
- FIGURE 12** NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 13** OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 14** HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY
- FIGURE 15** 2 SPOOL VALVE ASSEMBLY
- FIGURE 16** 2 SPOOL VALVE SUB-ASSEMBLY
- FIGURE 17** 3 SPOOL VALVE ASSEMBLY
- FIGURE 18** 3 SPOOL VALVE SUB-ASSEMBLY

**SHOWN MODEL HARSH MIX HOPPER UNIT**

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 **B45**. 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:

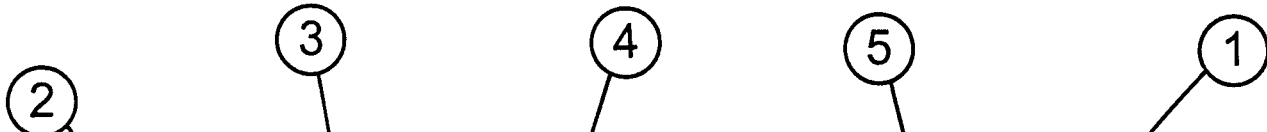
00	MODEL B45 PARTS MANUAL
10	FINAL INSTALLATION
20	HOPPER INSTALLATION
30	TANK INSTALLATION
40	POWER TRAIN INSTALLATION
50	CONTROL INSTALLATION
60	PUMPING TRAIN INSTALLATION
70	FRAME INSTALLATION
80	OPTIONAL INSTALLATION

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

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

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

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



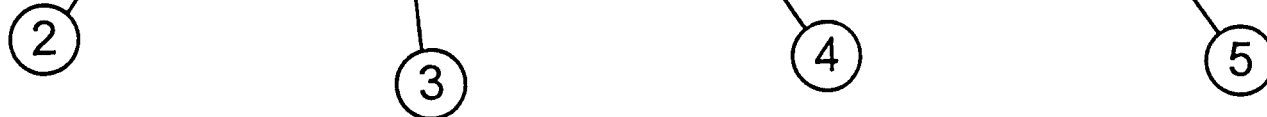
HYDRAULIC PUMPING ASSEMBLY

B45
GROUP 60
FIGURE 06
PAGE 02

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

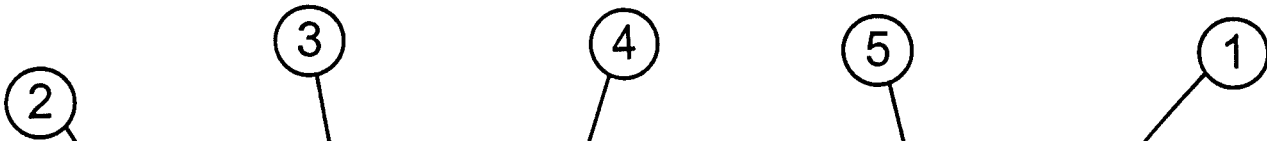
REVISION:



REED

TRAILER MOUNTED PUMP MODEL B45 HOW TO USE PARTS MANUAL

B45
PARTS
GROUP 00
FIGURE 01
PAGE 03



REED
CONCRETE PLACING
EQUIPMENT

HYDRAULIC PUMPING ASSEMBLY

B45
PARTS
GROUP 60
FIGURE 06
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-06	Assembly, Hydraulic Pumping (See Group 20, Figure 01 for NHA)					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 FS6-100-06-06					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 B45 HOW TO USE PARTS MANUAL

B45
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.

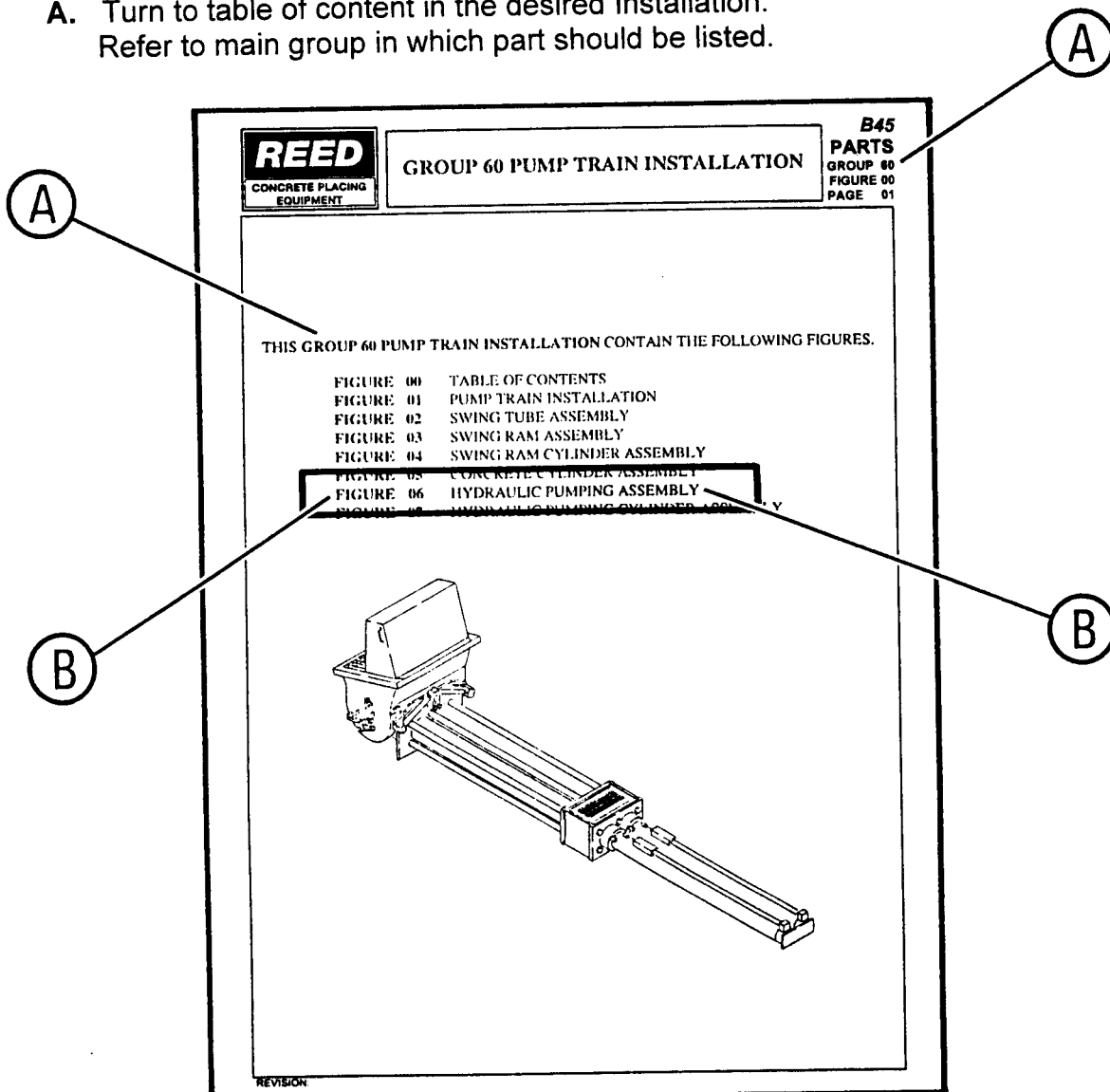
C. A number entry indicates the quantity of the part used in its next higher application.

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

1. Always give serial number and model of **REED** trailer mounted concrete pump **B45**. (Refer to each unit name plate shown below). NOTE: This manual is being released to cover unit starting with serial number **3-99-1-1661** 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) 384-2100 FAX (909) 384-2140	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"/>
<small>75009A</small>		

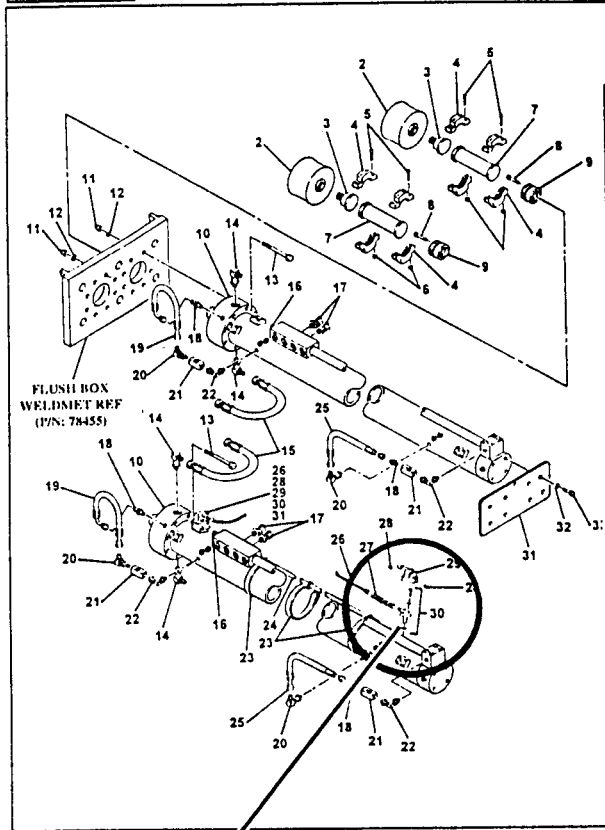
2. Always specify part number and complete name of parts ordered.
- A. Turn to table of content in the desired Installation.
Refer to main group in which part should be listed.



REED
CONCRETE PLACING
EQUIPMENT

HYDRAULIC PUMPING ASSEMBLY

B45
PARTS
GROUP 00
FIGURE 00
PAGE 01



REVISION:

REED
CONCRETE PLACING
EQUIPMENT

HYDRAULIC PUMPING ASSEMBLY

B45
PARTS
GROUP 00
FIGURE 00
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
1	60406	Assembly, Hydraulic Pumping (See Group 20, Figure 01 for NHA)	Ref
2	78354	* Cup, Piston	2
3	78434	* Coupler	2
4	78352	* Coupling, Dog Box	4
5		* Bolt, 1/2 x 4 (attaching parts)	8
6		* Nut, 1/2 (attaching parts)	8
7	78443	* Hose, Dog	2
8		* Bolt, 5/8 x 2	6
9	78442	* Coupler	2
10	78436	* Assembly, Hydraulic Cylinder (See Group 00, Figure 07 for DET)	1
11		* Nut (attaching parts)	16
12		* Washer (attaching parts)	16
13	77617	* Bolt (attaching parts)	16
14		* Elbow, 90° F56802-16-16	4
15	79443	* Assembly, Hose	2
16	78593	* Fitting, MiniCheck (Port)	2
17		* Elbow, 90° F56802-09-09	4
18		* Fitting, 5/16 F56801-09-09	4
19	79144	* Assembly, Hose	2
20		* Fitting, 90° F56801-09-09	4
21		* Valve, Check	4
22		* Elbow, 90° KH51003-09-09	4
23		* Clamp	1
24	79126	* Tube, Wire	1
25	79345	* Assembly, Tube	2
26	78437	* Cable	2
27	72010	* Laxan, 1/2 Flex	A/R
28		* Pin, 1/4 x 20	4
29	79283	* Cover, Proximity Switch	2
30	78410	* Switch, Proximity	2
31	78332	* Washer, 1 Lock (attaching parts)	8
32		* 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 parts are desired.
 - 2). In a specific, difficult to describe situation, a marked-up photograph or detailed sketch would be helpful.

REVISION:

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 FEDEX and DHL are available in designated areas.

5. TO ORDER**A. BY MAIL**

Attention: Parts Department

REED13822 Oaks Avenue
Chino, CA. 91710**B. BY FAX**

(909) 287 - 2141

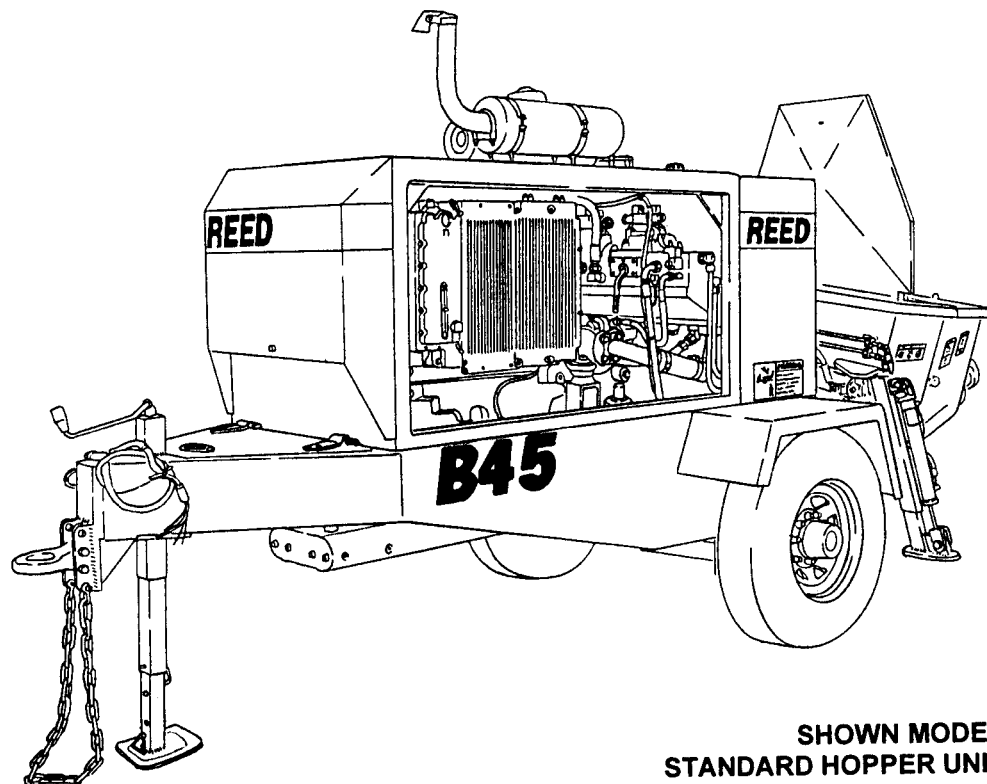
C. BY PHONE

(909) 287 - 2100

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

REED TRAILER MOUNTED CONCRETE PUMP MODEL **B45** ILLUSTRATED PARTS
MANUAL GROUP 10 FINAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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

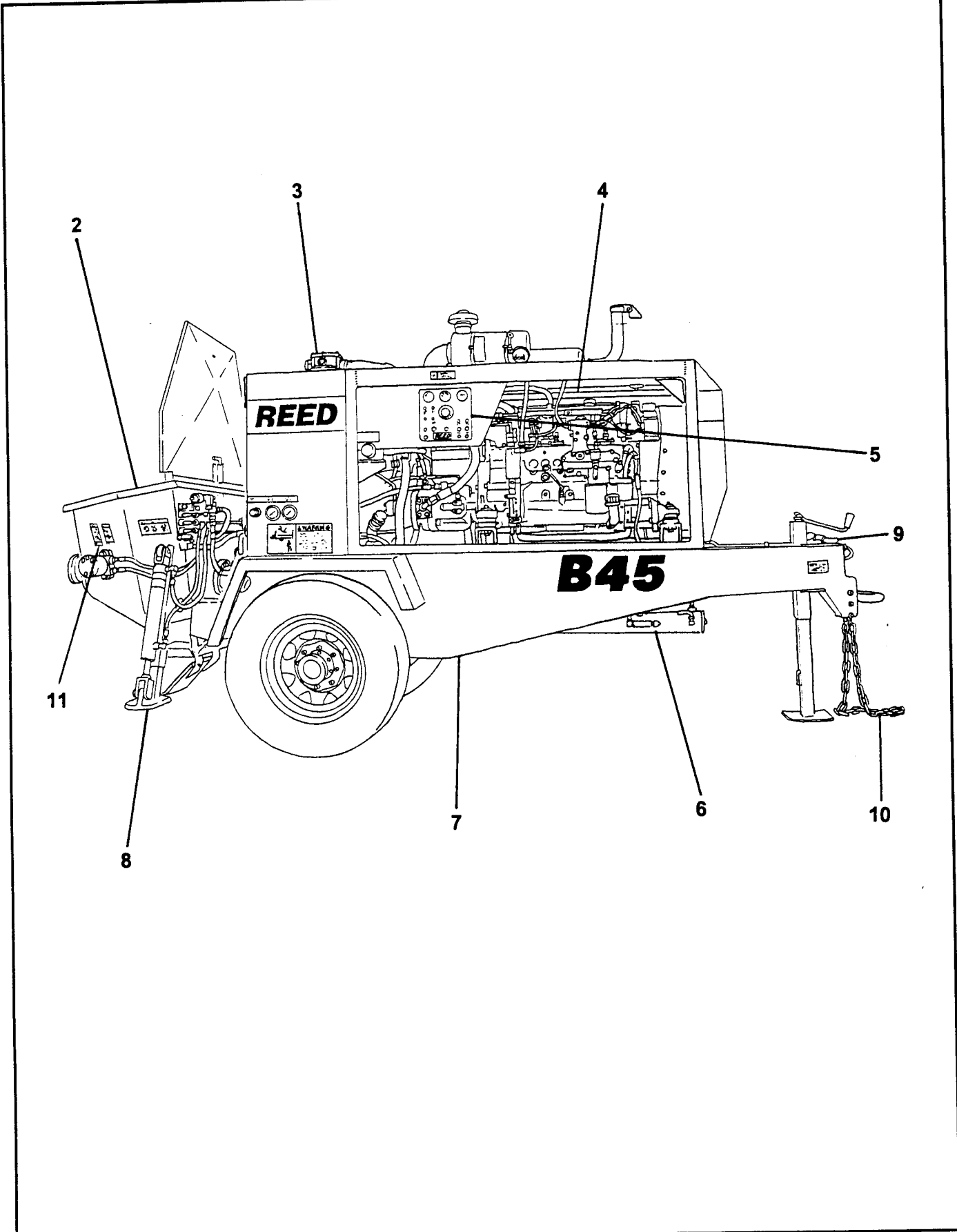


**SHOWN MODEL
STANDARD HOPPER UNIT**



FINAL INSTALLATION WITH STANDARD HOPPER

B45
PARTS
GROUP 10
FIGURE 01
PAGE 01



REVISION:

REED**FINAL INSTALLATION
WITH STANDARD HOPPER****B45
PARTS
GROUP 10
FIGURE 01
PAGE 02**

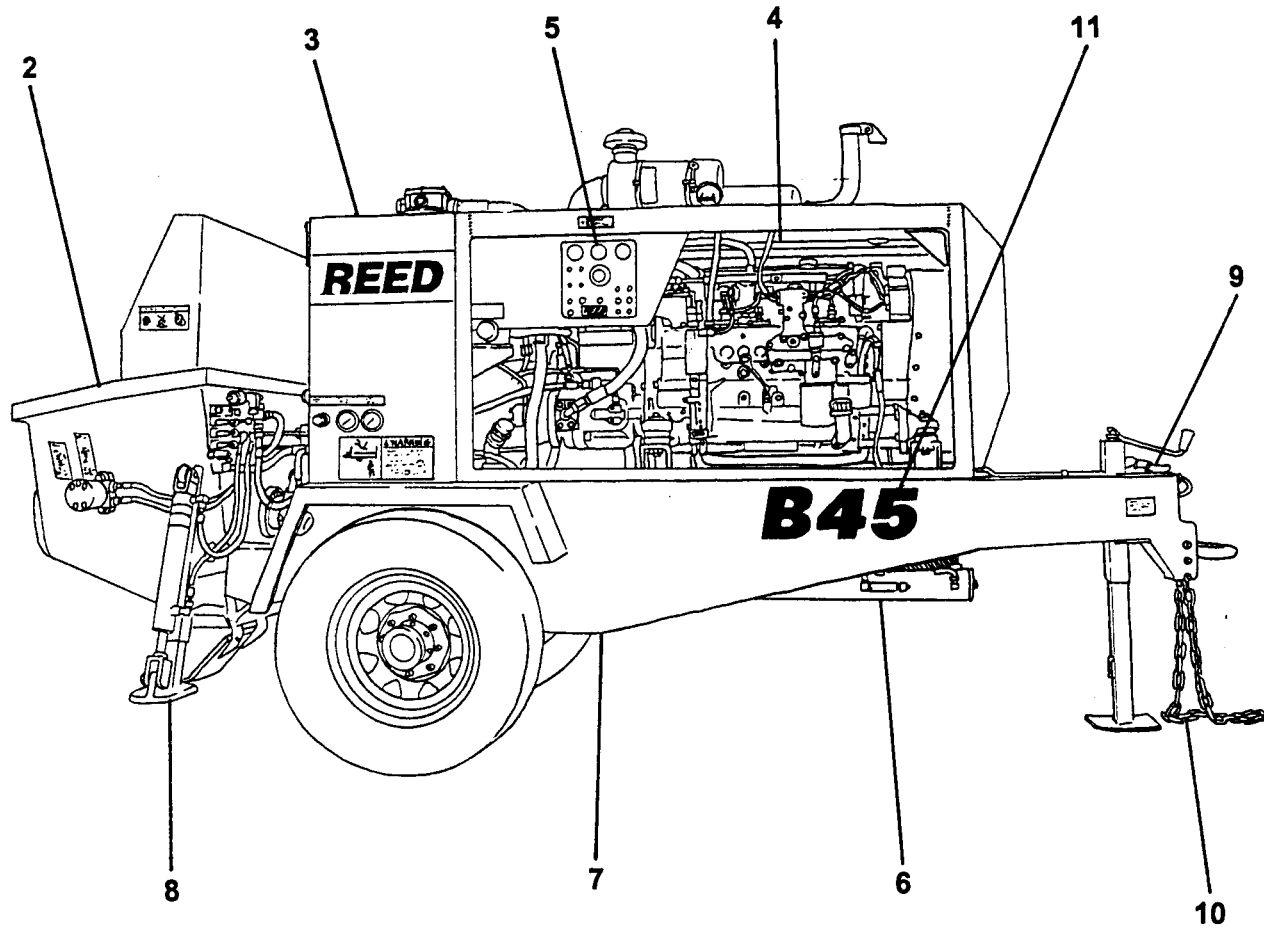
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	7251	Installation, B45 with Standard Hopper Final	Ref
2	20-01	• Installation, Standard Hopper (See Group 20, Figure 01 for DET)	1
3	30-01	• Installation, Tank (See Group 30, Figure 01 for DET)	1
4	40-01	• Installation, Power Train (See Group 40, Figure 01 for DET)	1
5	50-01	• Installation, Control (See Group 50, Figure 01 for DET)	1
6	60-01	• Installation, Pumping Train (See Group 60, Figure 01 for DET)	1
7	70-01	• Installation, Frame (See Group 70, Figure 01 for DET)	1
8	80-01	• Installation, Optional (See Group 80, Figure 01 for DET)	1
9	77705	• Kit, Break Away	1
10	71048	• Chain, 36 LK	1
11	10-03	• Kit, B45 Decal (See Group 10, Figure 03 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED

REED

**FINAL INSTALLATION
WITH HARSH MIX HOPPER**

**B45
PARTS
GROUP 10
FIGURE 02
PAGE 01**

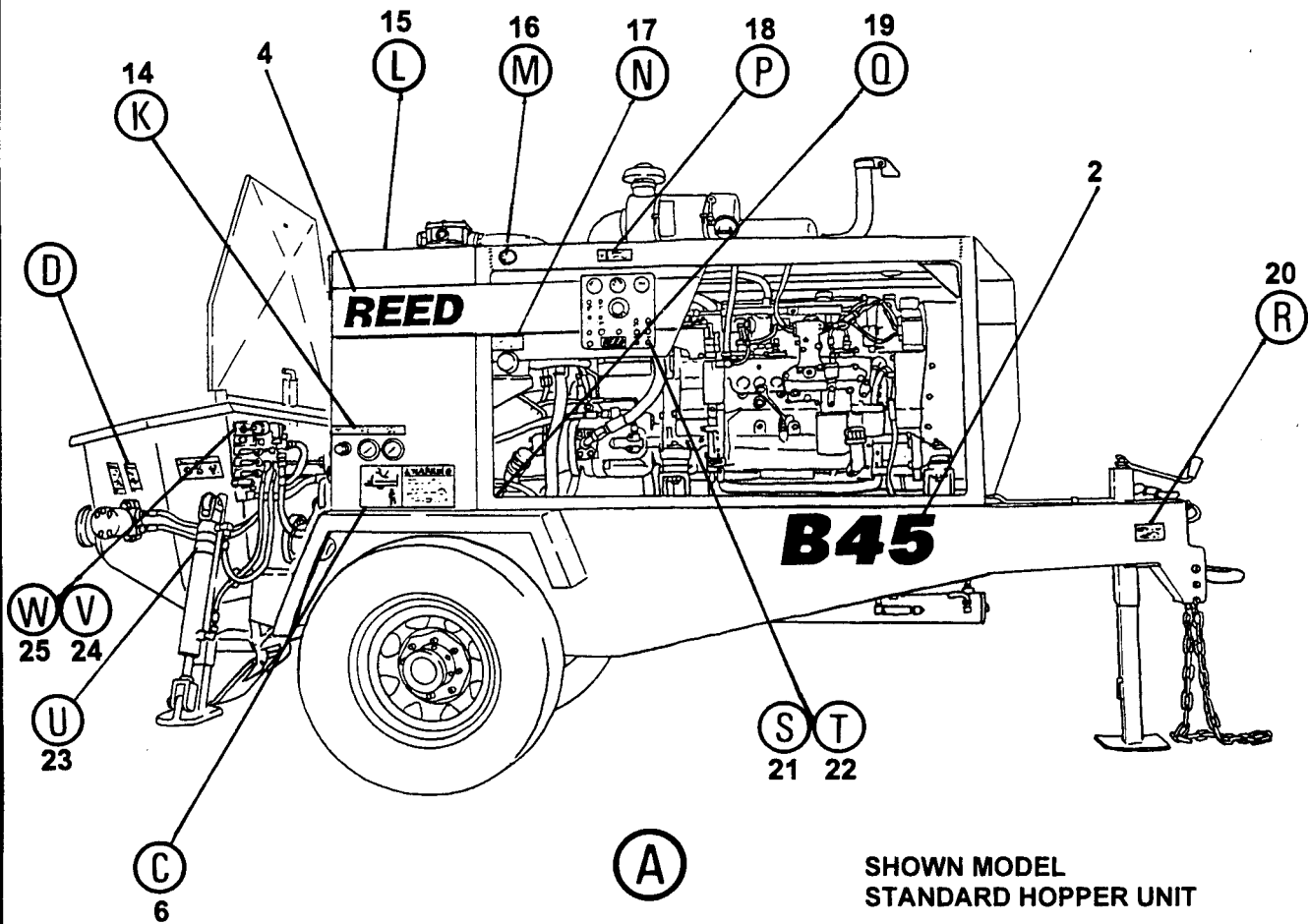
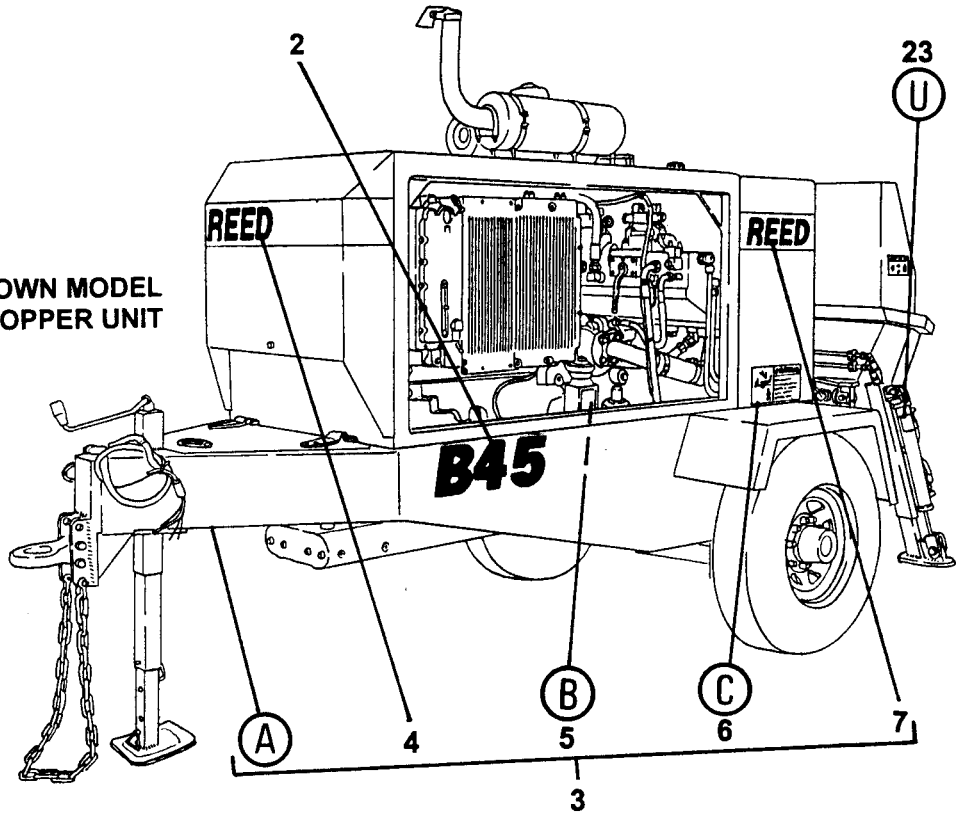


REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	7251A	Installation, B45 with Harsh Mix Hopper Final					Ref
2	20-02	• Installation, Harsh Mix Hopper (See Group 20, Figure 02 for DET)					1
3	30-01	• Installation, Tank (See Group 30, Figure 01 for DET)					1
4	40-01	• Installation, Power Train (See Group 40, Figure 01 for DET)					1
5	50-01	• Installation, Control (See Group 50, Figure 01 for DET)					1
6	60-01	• Installation, Pumping Train (See Group 60, Figure 01 for DET)					1
7	70-01	• Installation, Frame (See Group 70, Figure 01 for DET)					1
8	80-01	• Installation, Optional (See Group 80, Figure 01 for DET)					1
9	77705	• Kit, Break Away					1
10	71048	• Chain, 36 LK					1
11	10-03	• Kit, B45 Decal (See Group 10, Figure 03 for DET)					2

DASH (-) ITEM NOT ILLUSTRATED

SHOWN MODEL
HARSH MIX HOPPER UNIT

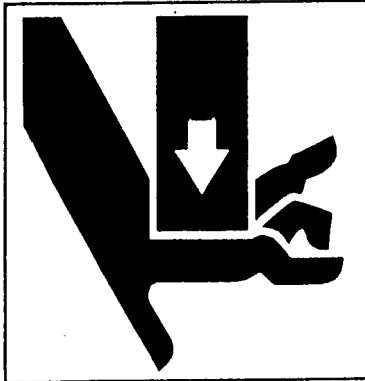


SHOWN MODEL
STANDARD HOPPER UNIT



DECAL ASSEMBLY

B45
PARTS
 GROUP 10
 FIGURE 03
 PAGE 02



! WARNING

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

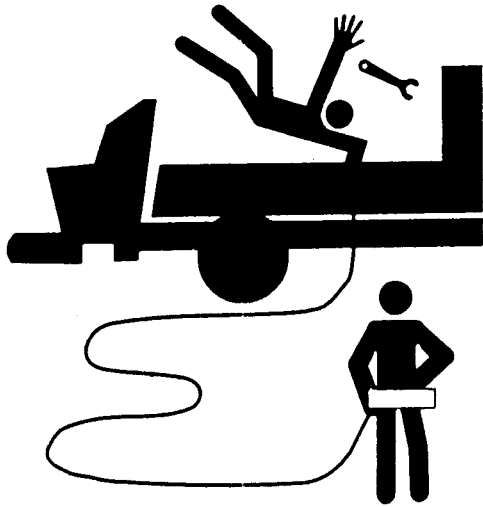
800916



5

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	10-03	Kit, B45 Decal (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	85446	• Decal, B45 6 Inch Black					2
3	85425	• Kit, B-Series Decal					1
4	85418	• • Decal, REED 4 1/2 Inch Black and White 48 Inch					2
5	800916	• • Decal, Warning, Keep Hand Out of Water Box					1
6	800924	• • Decal, Warning, This Machine is Remote Controlled and					2
7	85416	• • Decal, REED 4 1/2 Inch Black and White 20 Inch					1
8	800922	• • Decal, Warning, Before Opening a Blocked Pipeline,					1
9	800921	• • Decal, Warning, Do Not Operate at Pressures Exceeding					1
10	73132	• • Decal, REED 4 1/2 Inch					1
11	800929	• • 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	85413	• • Decal, Volume Control					1
18	800926	• • Decal, Warning, Do Not Operate This Machine without					1
19	75017	• • Decal, Diesel Fuel Only					1
20	75009	• • Nameplate, REED , Serial No.					1
21	85332	• Decal, B45 Control Box Panel					1
22	85410	• Decal, B45 Remote Control					1
23	800919	• Decal, Optional, Warning, Stand Clear Outriggers When					2
24	83845	• Decal, Outriggers (Optional Items)					1
25	83846	• Decal, Agitator (Optional Items)					1

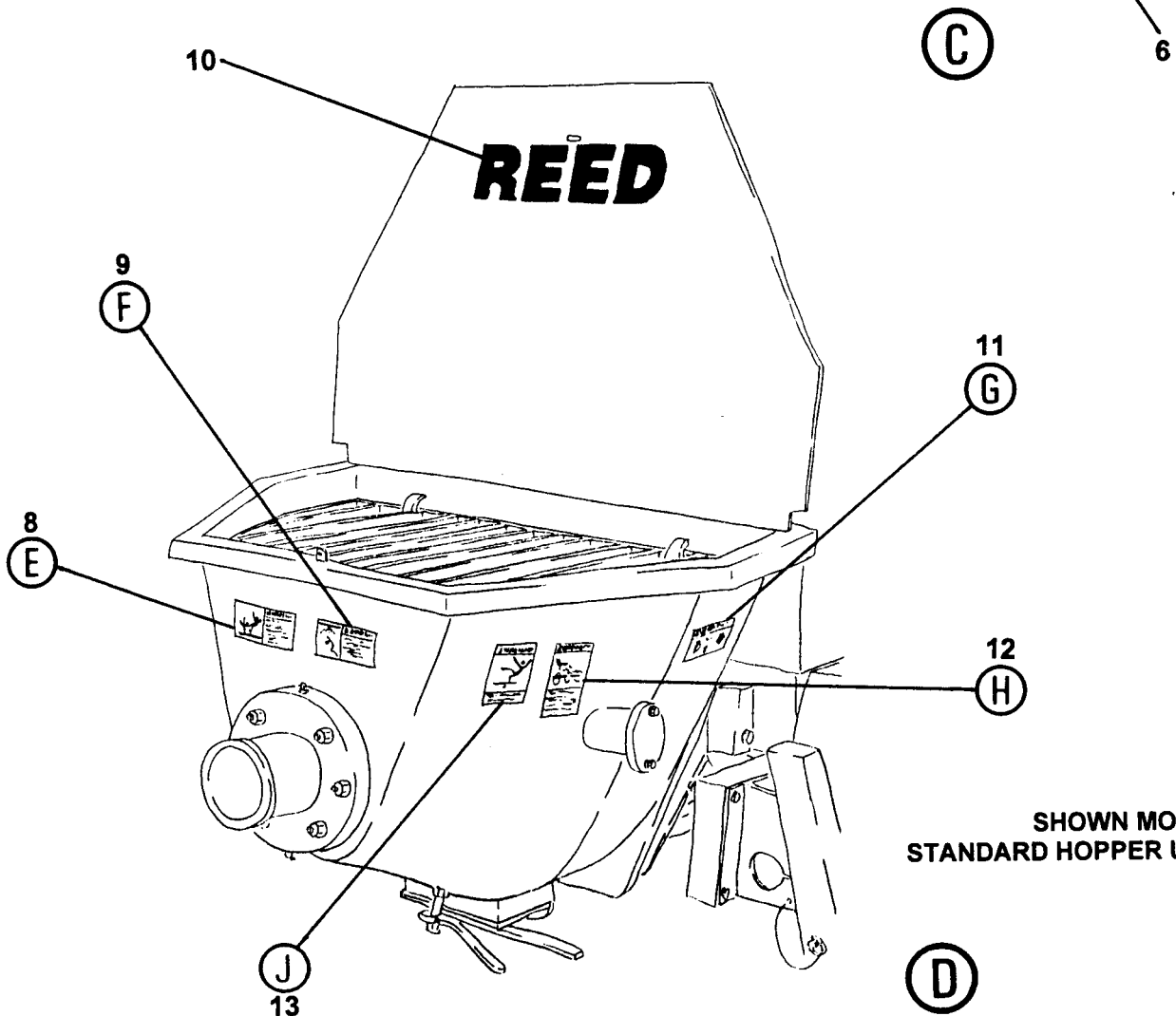
DASH (-) ITEM NOT ILLUSTRATED



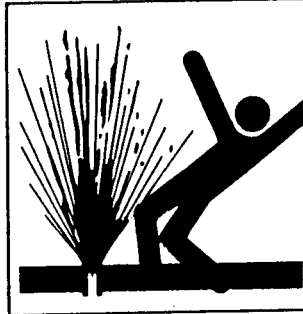
! WARNING

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

800924



**SHOWN MODEL
STANDARD HOPPER UNIT**



⚠ WARNING

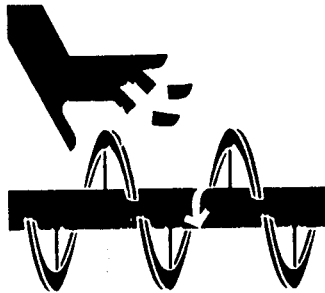
Before opening a blocked pipeline, relieve pressure by reversing pump. See manual.

800922

8

(E)

⚠ WARNING

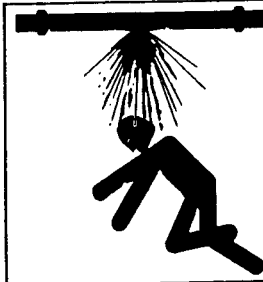


Keep hands out of hopper and valve assembly. See operation manual if access is required.

800917

(H)

12



⚠ WARNING

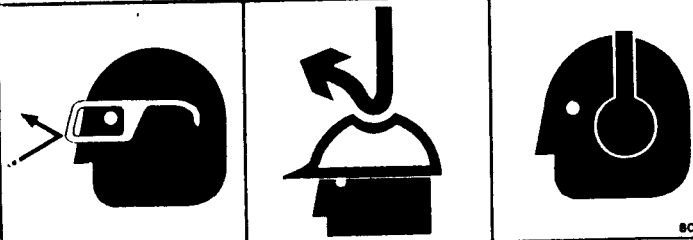
Do not operate at pressures exceeding the rating of the entire material delivery system.

800921

9

(F)

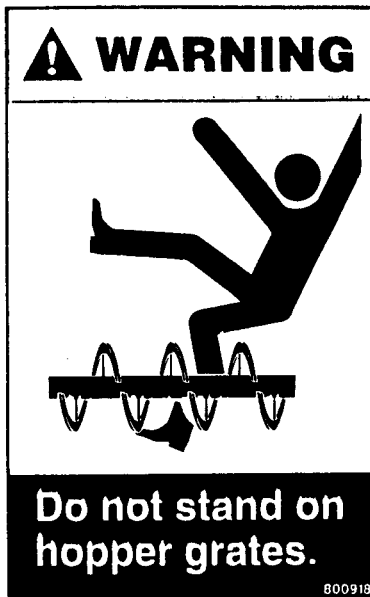
CUIDADO ⚠ WARNING



800929

(G)

11



13



HYDRAULIC OIL

15

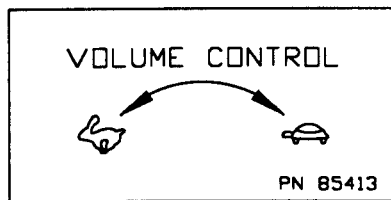


ENGINE
SPEED

S-TUBE

DRIVE
CYLINDER

14

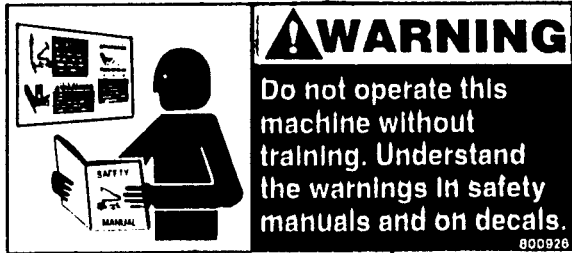


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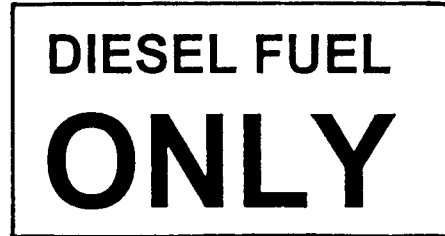
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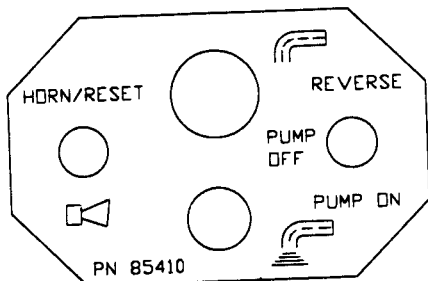
(P)

18



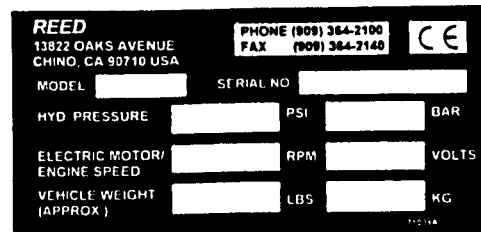
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(Q)



(T)

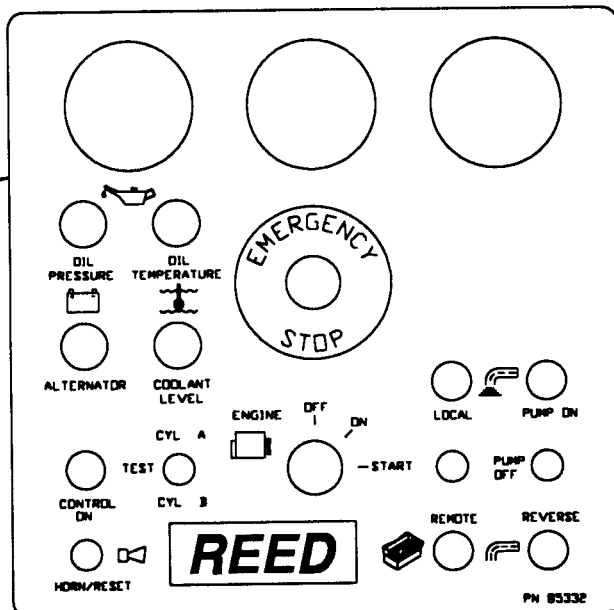
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20

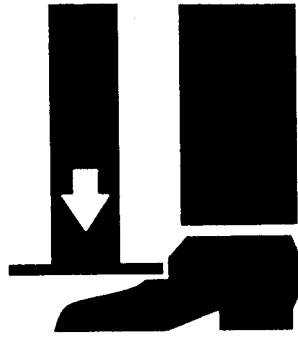
(R)

21



(S)

▲WARNING



23

**Stand clear of
outriggers when
activating.**

800919



FAR OUTRIGGER
UP ↔ DOWN

24

NEAR OUTRIGGER
UP ↔ DOWN



PN 85845

AGITATOR
REV ↔ FWD

25



PN 85845

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	10-03	Kit, B45 Decal (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
2	85446	• Decal, B45 6 Inch Black	2
3	85425	• Kit, B-Series Decal	1
4	85418	• • Decal, REED 4 1/2 Inch Black and White 48 Inch	2
5	800916	• • Decal, Warning, Keep Hand Out of Water Box	1
6	800924	• • Decal, Warning, This Machine is Remote Controlled and	2
7	85416	• • Decal, REED 4 1/2 Inch Black and White 20 Inch	1
8	800922	• • Decal, Warning, Before Opening a Blocked Pipeline,	1
9	800921	• • Decal, Warning, Do Not Operate at Pressures Exceeding	1
10	73132	• • Decal, REED 4 1/2 Inch	1
11	800929	• • 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	85413	• • Decal, Volume Control	1
18	800926	• • Decal, Warning, Do Not Operate This Machine without	1
19	75017	• • Decal, Diesel Fuel Only	1
20	75009	• • Nameplate, REED , Serial No.	1
21	85332	• Decal, B45 Control Box Panel	1
22	85410	• Decal, B45 Remote Control	1
23	800919	• Decal, Optional, Warning, Stand Clear Outriggers When	2
24	83845	• Decal, Outriggers (Optional Items)	1
25	83846	• Decal, Agitator (Optional Items)	1

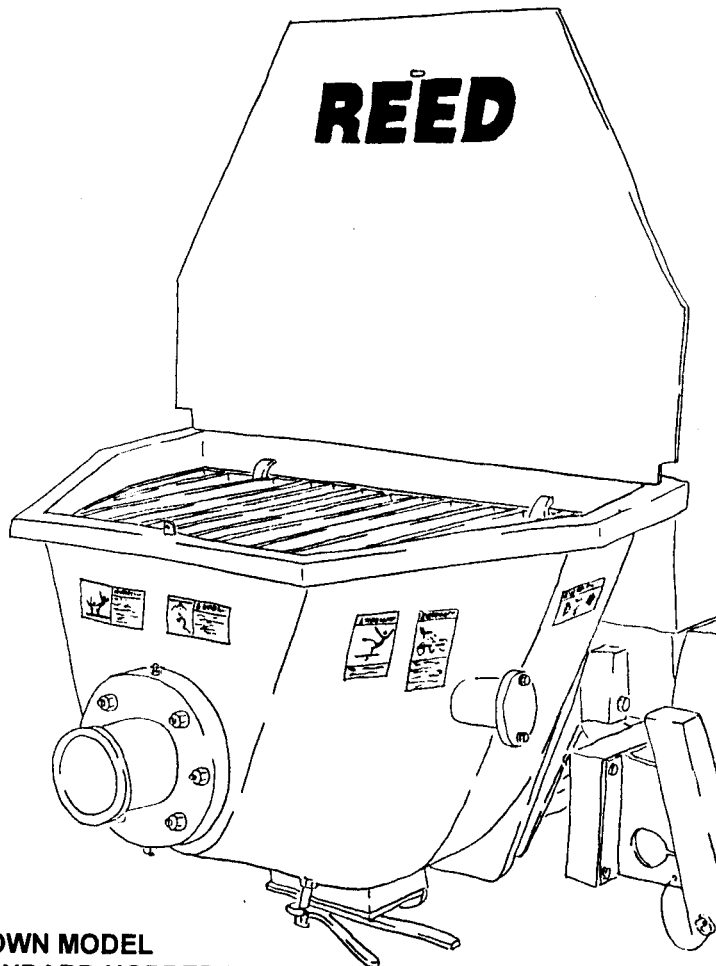
DASH (-) ITEM NOT ILLUSTRATED



**TRAILER MOUNTED PUMP MODEL B45
ILLUSTRATED PARTS MANUAL**

**B45
PARTS
GROUP 10
FIGURE 04
PAGE 01**

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**SHOWN MODEL
STANDARD HOPPER UNIT**

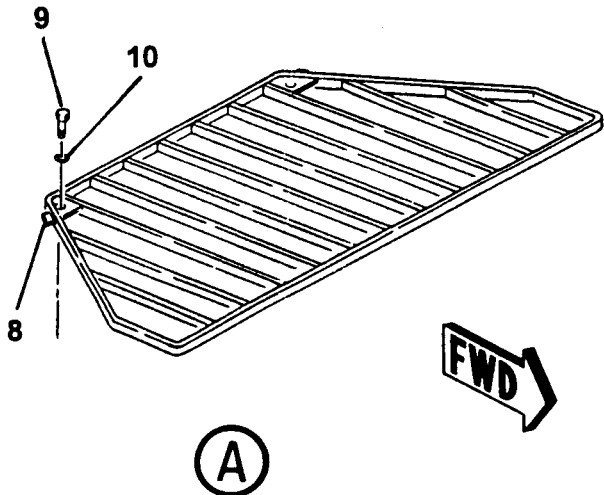
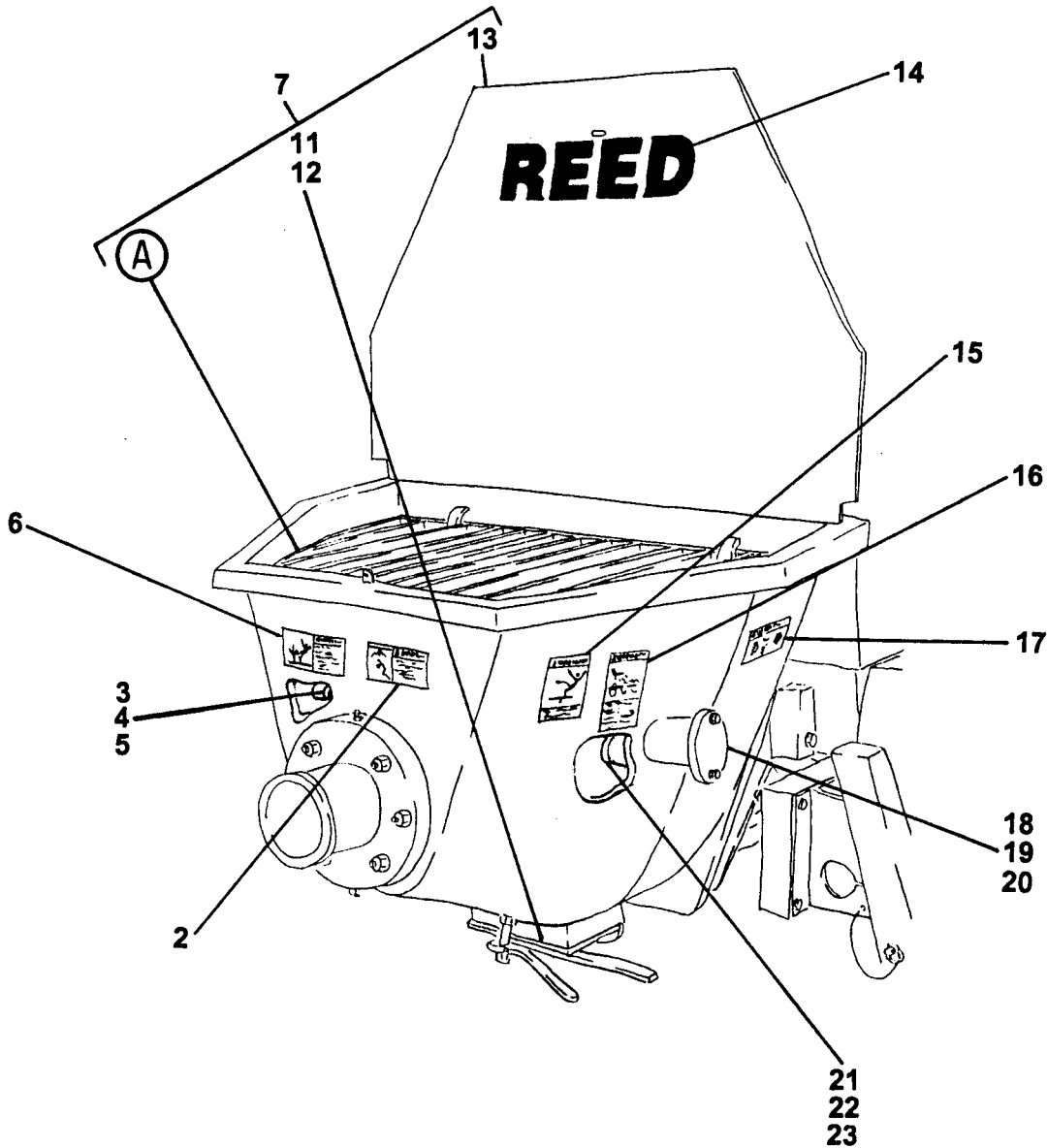
**REED TRAILER MOUNTED CONCRETE PUMP MODEL B45 ILLUSTRATED PARTS
MANUAL GROUP 20 HOPPER INSTALLATION CONTAINS THE FOLLOWING
FIGURES:**

FIGURE 00	TABLE OF CONTENTS
FIGURE 01	STANDARD HOPPER INSTALLATION
FIGURE 02	HARSH MIX HOPPER INSTALLATION
FIGURE 03	SQUARE CLEAN OUT DOOR ASSEMBLY
FIGURE 04	ROUNDED CLEAN OUT DOOR ASSEMBLY
FIGURE 05	STANDARD HOPPER AGITATOR ASSEMBLY
FIGURE 06	HARSH MIX HOPPER AGITATOR ASSEMBLY
FIGURE 07	STANDARD HOPPER AGITATOR MOTOR ASSEMBLY
FIGURE 08	HARSH MIX HOPPER AGITATOR MOTOR ASSEMBLY
FIGURE 09	AGITATOR CONTROL VALVE ASSEMBLY
FIGURE 10	AGITATOR CONTROL VALVE SUB-ASSEMBLY



STANDARD HOPPER INSTALLATION

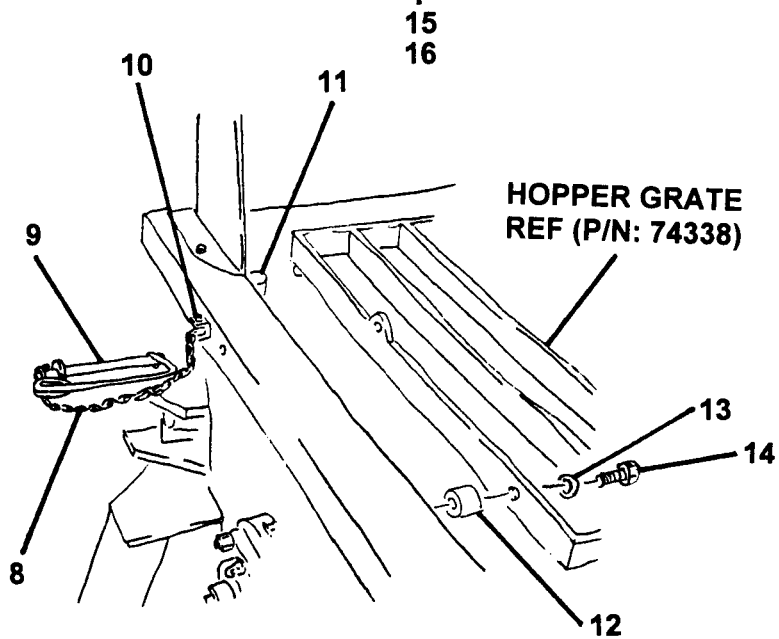
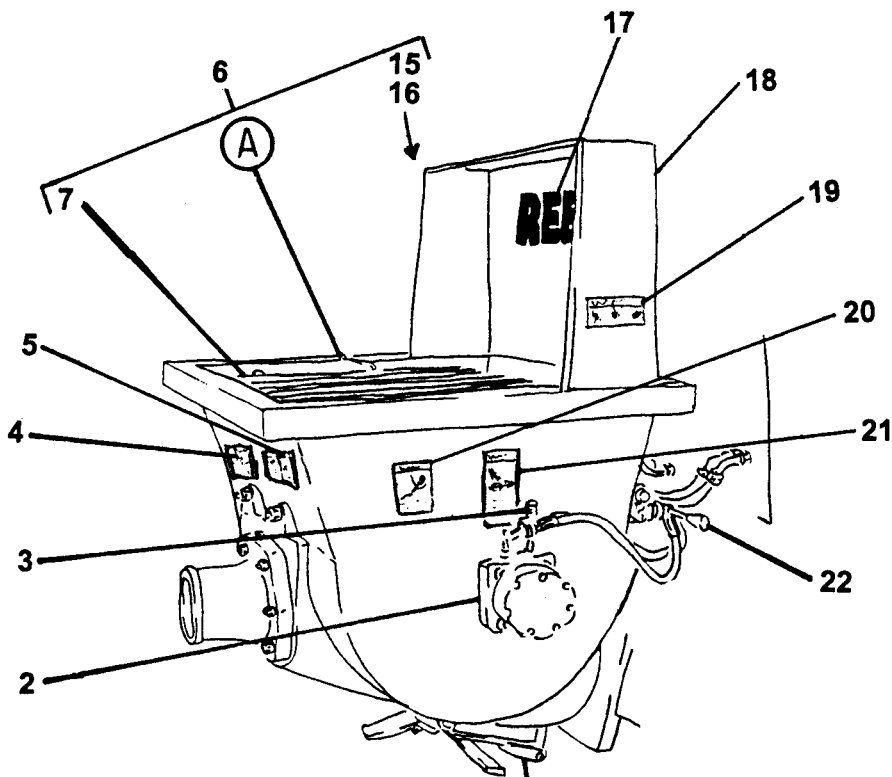
B45
PARTS
GROUP 20
FIGURE 01
PAGE 01



ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	20-01	Installation, Standard Hopper (See Group 10, Figure 01 for NHA)					Ref
2	800921	• Decal, Warning, Do Not Operate at Pressures Exceeding					1
3	70219	• Bushing, Remix Shaft					1
4		• Bolt, Hex (attaching parts)					1
5		• Washer, Flat (attaching parts)					1
6	800922	• Decal, Warning, Before Opening a Blocked Pipeline,					1
7	70759	• Weldment, Hopper					1
8	70903	• • Grate, B45 Standard Hopper					1
9		• • Bolt, Hex (attaching parts)					2
10		• • Washer, Lock (attaching parts)					2
11	72971-2	• • Assembly, Square Clean Out Door (See Group 20, Figure 03 for DET)					1
12	85372	• • Assembly, Rounded Clean Out Door (See Group 20, Figure 04 for DET)					1
13	70094	• • Cover, Hopper					1
14	73132	• Decal, REED 4 1/2 Inch					1
15	800918	• Decal, Warning, Do Not Stand on Hopper Grate					2
16	800917	• Decal, Warning, Keep Hand Out of Hopper and Valve					2
17	800929	• Decal, Warning					2
18	73433	• Cover, Remix Outside					1
19		• Bolt, Hex (attaching parts)					2
20		• Washer, SPL Lock (attaching parts)					2
21	73434	• Cover, Remix Inside					1
22		• Bolt, Hex (attaching parts)					6
23		• Washer, SPL Lock (attaching parts)					6
-24	85760	• Assembly, Standard Hopper Agitator (Optional Item) (See Group 20, Figure 05 for DET)					1
-25	20-09	• Assembly, Agitator Control Valve (Optional Item) (See Group 20, Figure 09 for DET)					1

DASH (-) ITEM NOT ILLUSTRATED

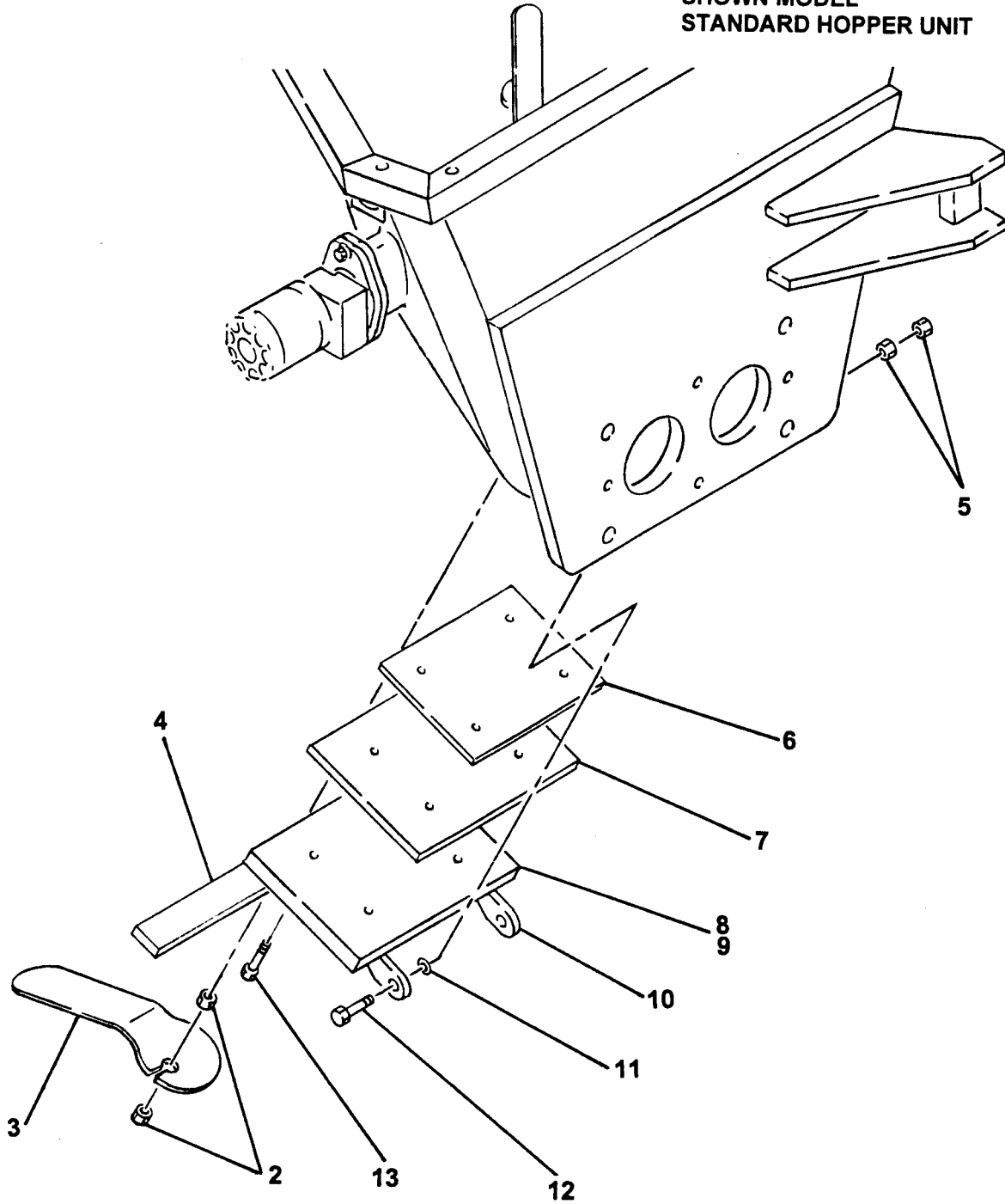
HARSH MIX HOPPER INSTALLATION



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-02	Installation, Harsh Mix Hopper (See Group 10, Figure 02 for NHA)	Ref
2	20-06	• Assembly, Harsh Mix Hopper Agitator (See Group 20, Figure 06 for DET)	1
3	74514	• Valve, Needle	1
4	800921	• Decal, Warning, Do Not Operate at Pressures Exceeding	1
5	800922	• Decal, Warning, Before Opening a Blocked Pipeline,	1
6	75911	• Weldment, Harsh Mix Hopper	1
7	74338	• • Grate B45 Harsh Mix Hopper	1
8	30214	• • Chain	A/R
9	71351	• • Pin, Snap Lock	1
10	73254	• • Bracket, Hanger	1
11	77292	• • Bumper, Harsh Mix Hopper Grate	2
12	71425	• • Spacer, Harsh Mix Hopper Grate	2
13		• • Bolt, Hex (attaching parts)	2
14		• • Washer, Flat (attaching parts)	2
15	72971-2	• • Assembly, Square Clean Out Door (See Group 20, Figure 03 for DET)	1
16	85372	• • Assembly, Rounded Clean Out Door (See Group 20, Figure 04 for DET)	1
17	73132	• Decal, REED 4 1/2 Inch	1
18	85390	• Guard, Splash	1
19	800929	• Decal, Warning	2
20	800918	• Decal, Warning, Do Not Stand on Hopper Grate	2
21	800917	• Decal, Warning, Keep Hand Out of Hopper and Valve	2
22	20-09	• Assembly, Agitator Control Valve (See Group 20, Figure 09 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED

SHOWN MODEL
STANDARD HOPPER UNIT



REED**SQUARE CLEAN OUT DOOR ASSEMBLY****B45**
PARTS
GROUP 20
FIGURE 03
PAGE 02

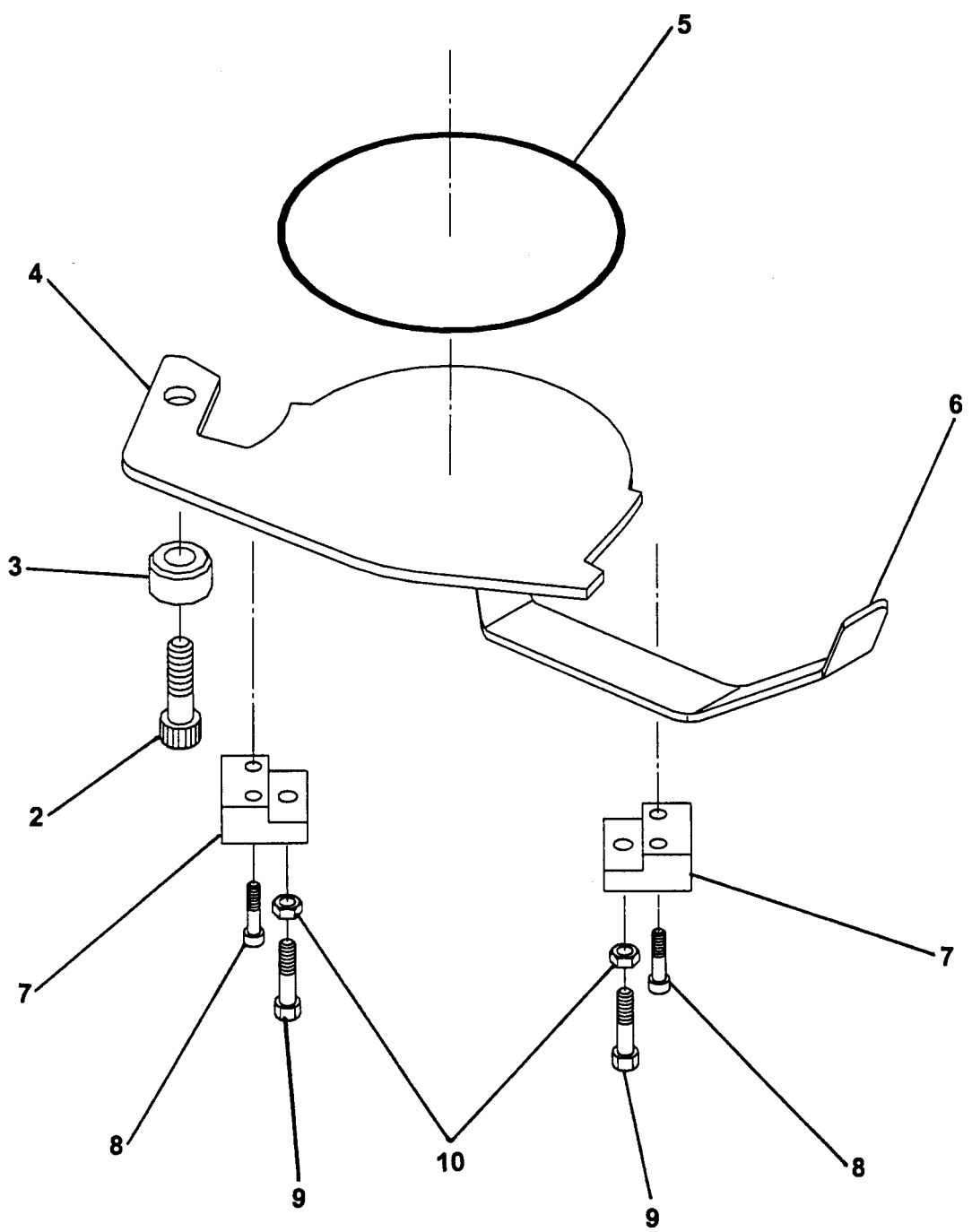
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	72971-2	Assembly, Square Clean Out Door (See Group 20, Figure 01 and 02 for NHA)					Ref
2		• Nut, Hex					2
3	70096	• Handle, Clean Out Door					1
4	71016	• Handle, Lift					1
5		• Nut					4
6	70794	• Insert, Door					1
7	70248	• Rubber, 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



ROUNDED CLEAN OUT DOOR ASSEMBLY

B45
PARTS
GROUP 20
FIGURE 04
PAGE 01



REED**ROUNDED CLEAN OUT
DOOR ASSEMBLY****B45
PARTS
GROUP 20
FIGURE 04
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85372	Assembly, Rounded Clean Out Door (See Group 20, Figure 01 and 02 for NHA.)					Ref
2		• Bolt, Shoulder					1
3	85367	• Boss, Clean Out Door					1
4	86988	• Door, Clean Out					1
5	78142	• Assembly, 3 FT Cord					1
6	85369	• Handle, Clean Out Door					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

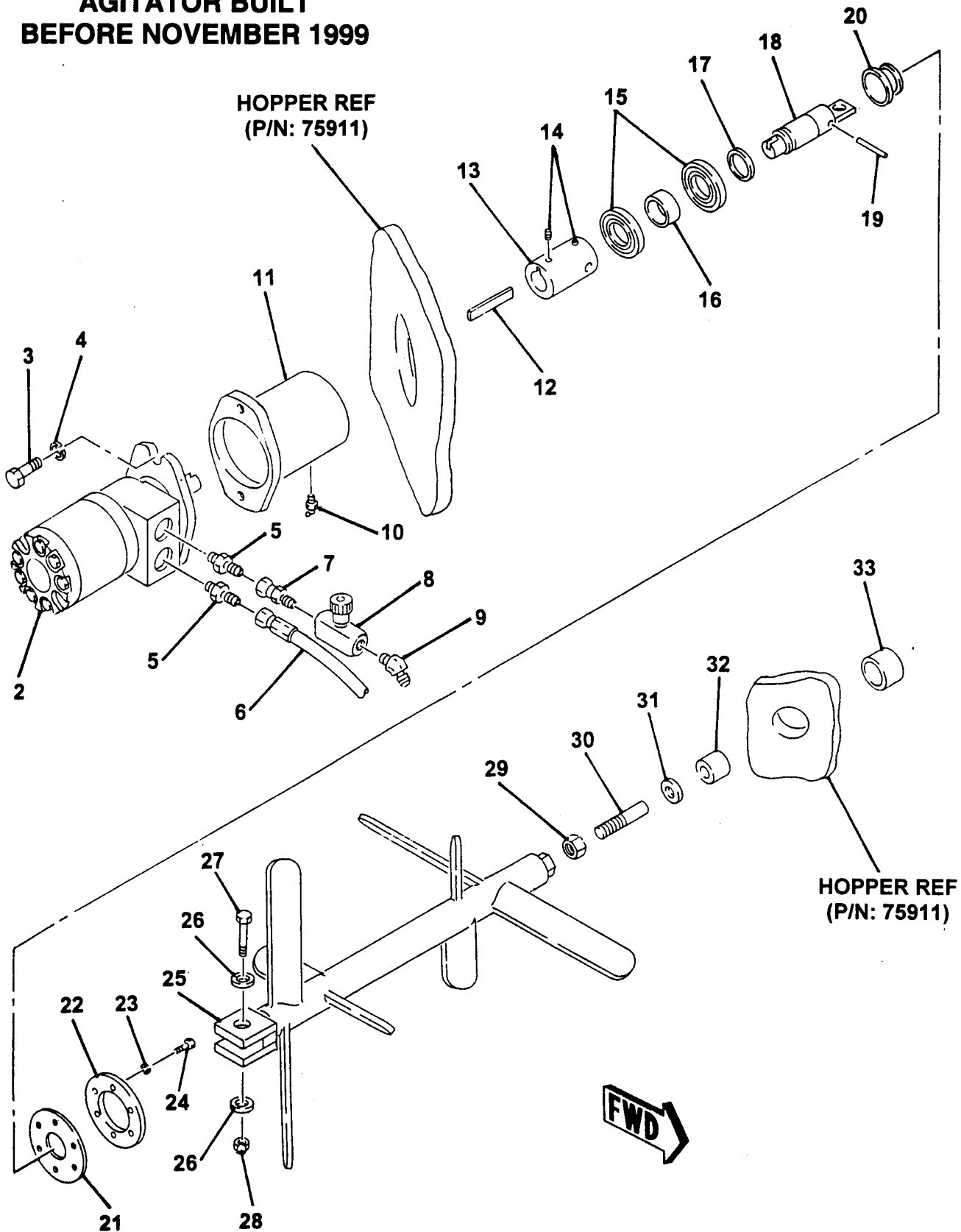
REVISION:



STANDARD HOPPER AGITATOR ASSEMBLY

B45
PARTS
GROUP 20
FIGURE 05
PAGE 01

**AGITATOR BUILT
BEFORE NOVEMBER 1999**



**AGITATOR BUILT
BEFORE NOVEMBER 1999**

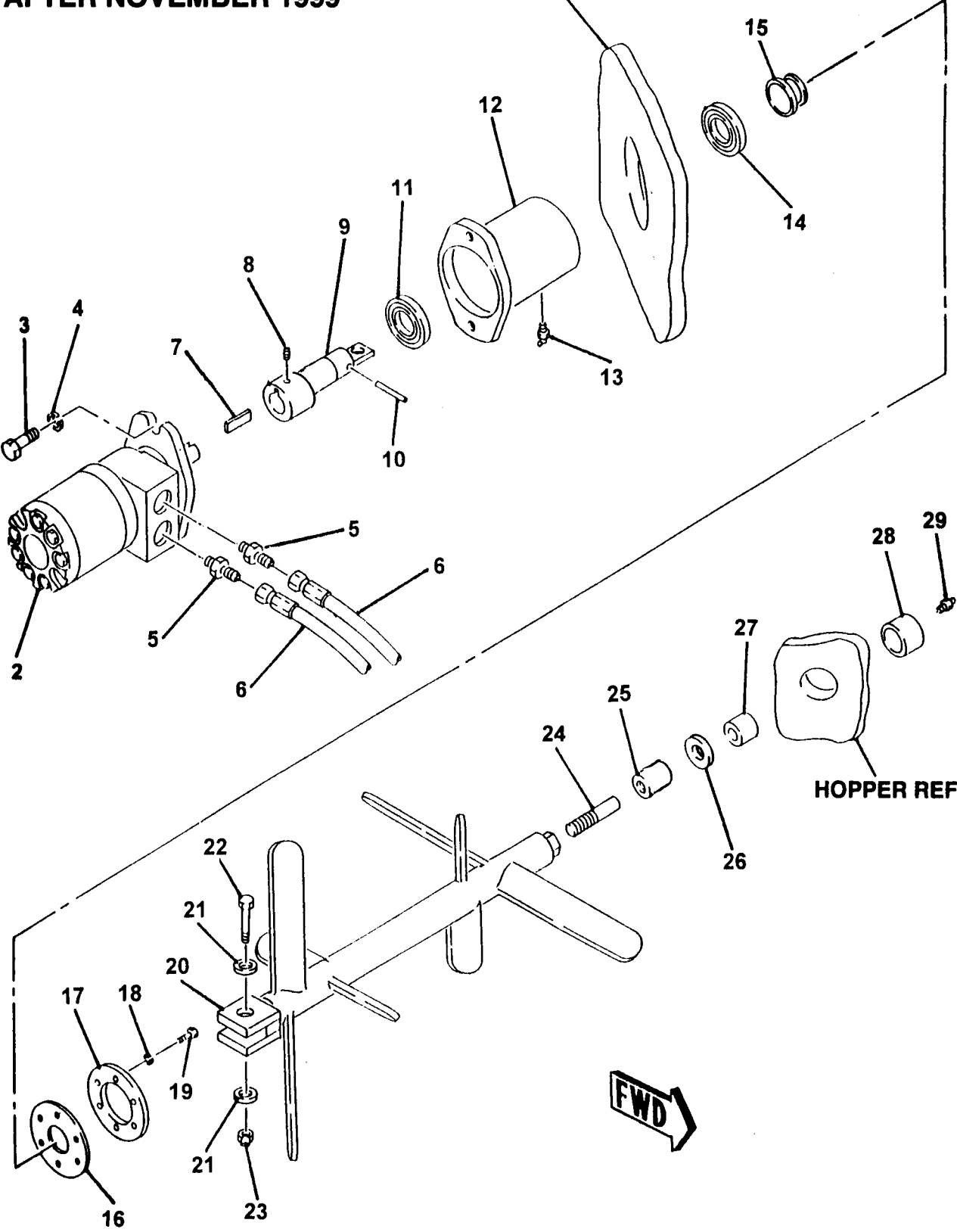
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85760	Assembly, Standard Hopper Agitator (Optional Item) (See Group 20, Figure 01 for NHA)					Ref
2	74529	• Assembly, Standard Hopper Agitator Motor (Optional Item) (See Group 20, Figure 07 for DET)					1
3		• Bolt, Hex (attaching parts)					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, B45 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

AGITATOR ASSEMBLY

**AGITATOR BUILT
AFTER NOVEMBER 1999**

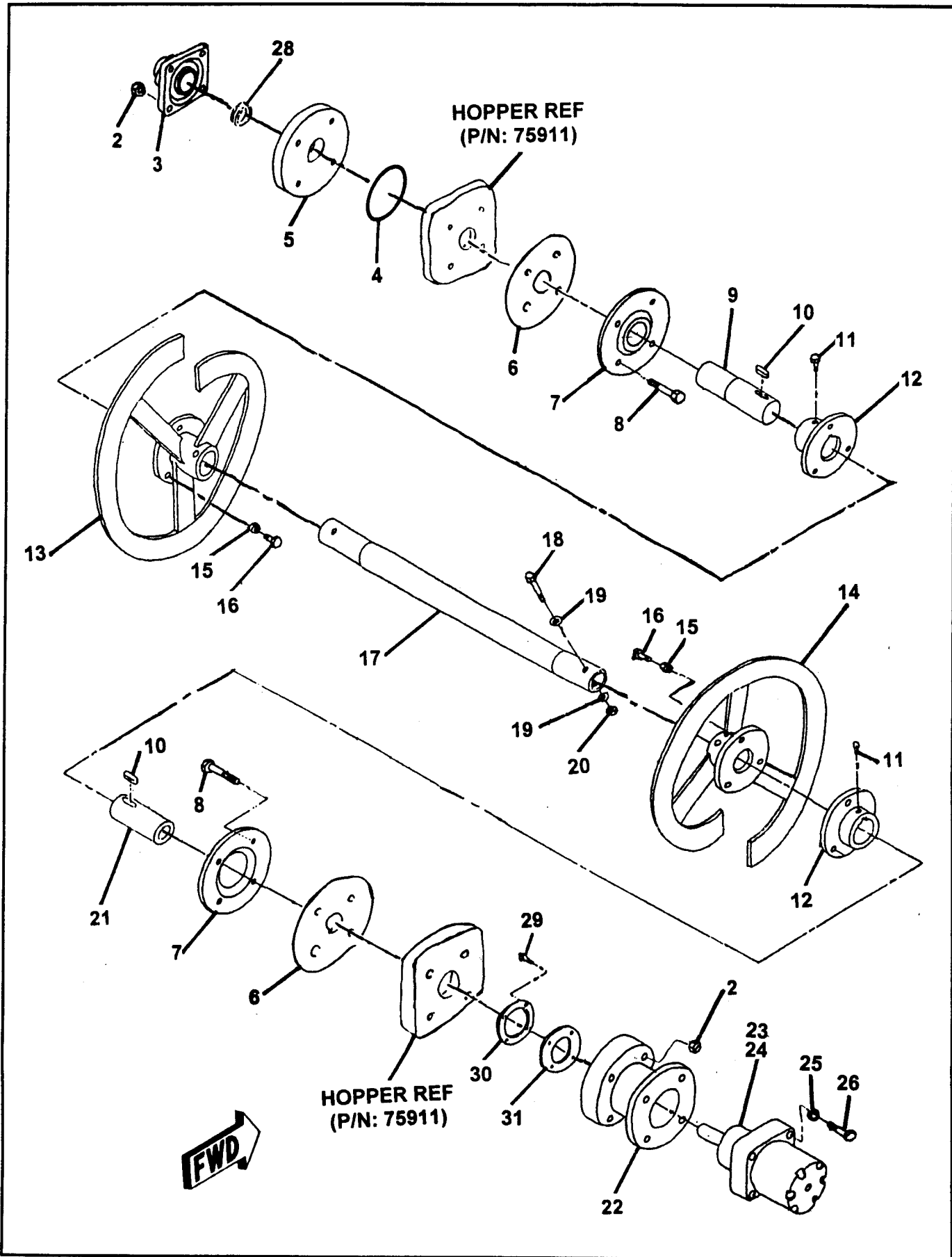
HOPPER REF



**AGITATOR BUILT
 AFTER NOVEMBER 1999**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85760	Assembly, B45 Agitator (See Group 20, Figure 01 for NHA)	Ref
2	85811	• Assembly, Agitator Motor (See Group 20, Figure 07A 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	80298	• 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		• Washer, Lock (attaching parts)	6
19		• 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	80019	• Nut (attaching parts)	1
24	70214	• Shaft, Idle	1
25	77877	• Spacer	1
26		• Washer	1
27	70219	• Bearing, Idler	1
28	70210	• Housing, Idler Bearing (Welded on Hopper)	1
29		• Fitting, STR Grease	1
-30	85846	• Decal, Agitator	1

DASH (-) ITEM NOT ILLUSTRATED



ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	20-06	Assembly, Harsh Mix Hopper Agitator (See Group 20, Figure 02 for NHA)					Ref
2		• Nut, Nylock					8
3	75193	• Bearing, Auger					1
4	77521	• O-Ring, Auger Motor Housing					2
5	77514	• Flange, Non-operator Side Remix					1
6	77512	• Gasket, Remixer Flange					2
7	77515	• Flange, Remixer					2
8		• Bolt, Coarse					8
9	73256	• Shaft, Hopper Side Stub					1
10	77524	• Key, Stub Shaft					2
11		• Bolt, Hex					2
12	73258	• Coupling, Male Half					2
13	75903	• Flight, Left Auger					1
14	75904	• Flight, Right Auger					1
15		• Washer, Lock (attaching Parts)					6
16		• Bolt, Coarse (attaching Parts)					6
17	71405	• Tube, Auger					1
18		• Bolt, Coarse (attaching Parts)					2
19		• Washer, Flat (attaching Parts)					4
20		• Nut, Nylock (attaching Parts)					2
21	73257	• Shaft, Motor Side Stub					1
22	74394	• Weldment, Remixer Housing					1
23	73750	• Assembly, Agitator Motor (See Group 20, Figure 08 for DET)					1
24	85809	• Assembly, Agitator Motor (Replace to 73750)					1
25		• Washer, Lock (attaching Parts)					4
26		• Bolt, Coarse (attaching Parts)					4
-27	74514	• Valve, Needle (Used with 73750 Motor only)					1
28	77519	• Seal, Auger Lip					1
29		• Bolt, Socket Head					4
30	77516	• Ring, Spacer					1
31	75899	• Gasket, Spacer Ring Rubber					1

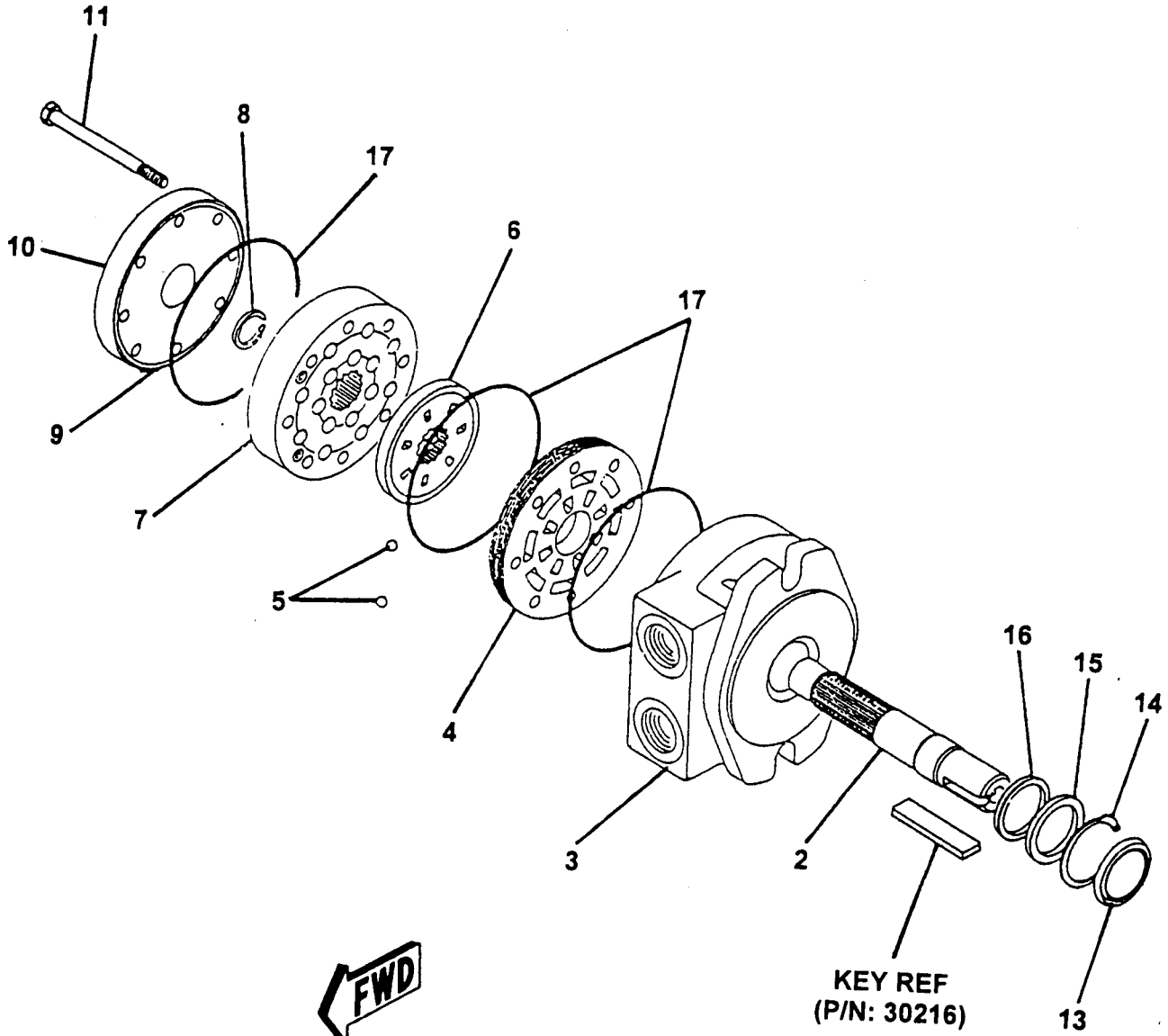
DASH (-) ITEM NOT ILLUSTRATED



STANDARD HOPPER AGITATOR MOTOR ASSEMBLY

B45
PARTS
GROUP 20
FIGURE 07
PAGE 01

**AGITATOR BUILT
BEFORE NOVEMBER 1999**



REED**STANDARD HOPPER
AGITATOR MOTOR ASSEMBLY****B45
PARTS
GROUP 20
FIGURE 07
PAGE 02****AGITATOR BUILT
BEFORE NOVEMBER 1999**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	74529	Assembly, Standard Hopper Agitator Motor (Optional Item) (See Group 20, Figure 05 for NHA)					Ref
2		• Shaft					1
3		• Body, Motor					1
4		• Plate, Commutator					1
5		• Ball, Check Valve					2
6		• Valve, Rotary					1
7		• Sub-Assembly IGR					1
8		• Ring, Shaft Snap					1
9		• Plug, Vent					1
10		• Cover, Motor					1
11		• Bolt, Hex (attaching parts)					8
-12	74993	• Kit, Seal					1
13		• • Seal, Dust					1
14		• • Ring, Snap					1
15		• • Ring, Back Up					1
16		• • Seal, Lip					1
17		• • Seal, Square Ring					3

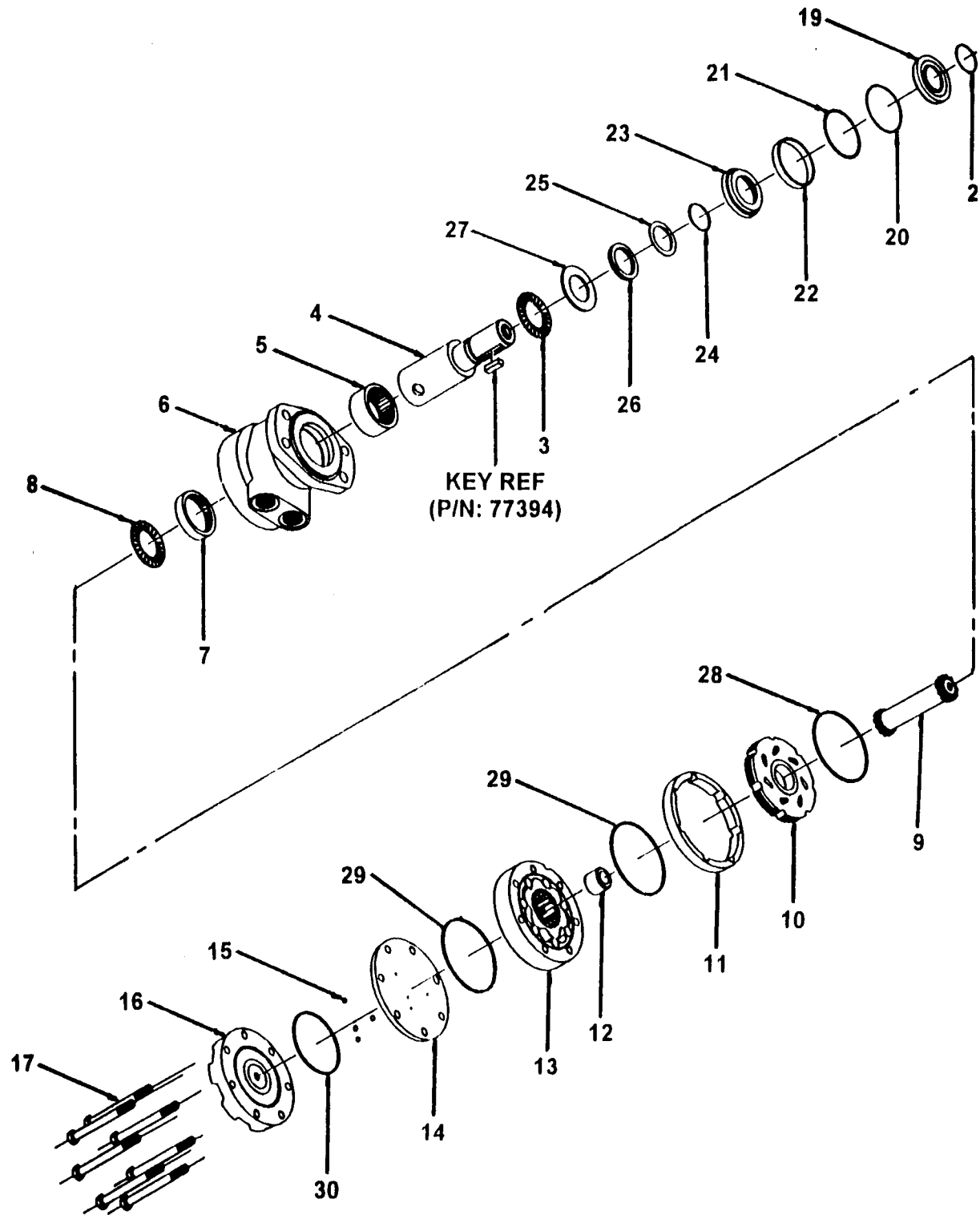
DASH (-) ITEM NOT ILLUSTRATED



AGITATOR MOTOR ASSEMBLY

B45
PARTS
GROUP 20
FIGURE07A
PAGE 01

**AGITATOR BUILT
AFTER NOVEMBER 1999**



**AGITATOR BUILT
AFTER NOVEMBER 1999**

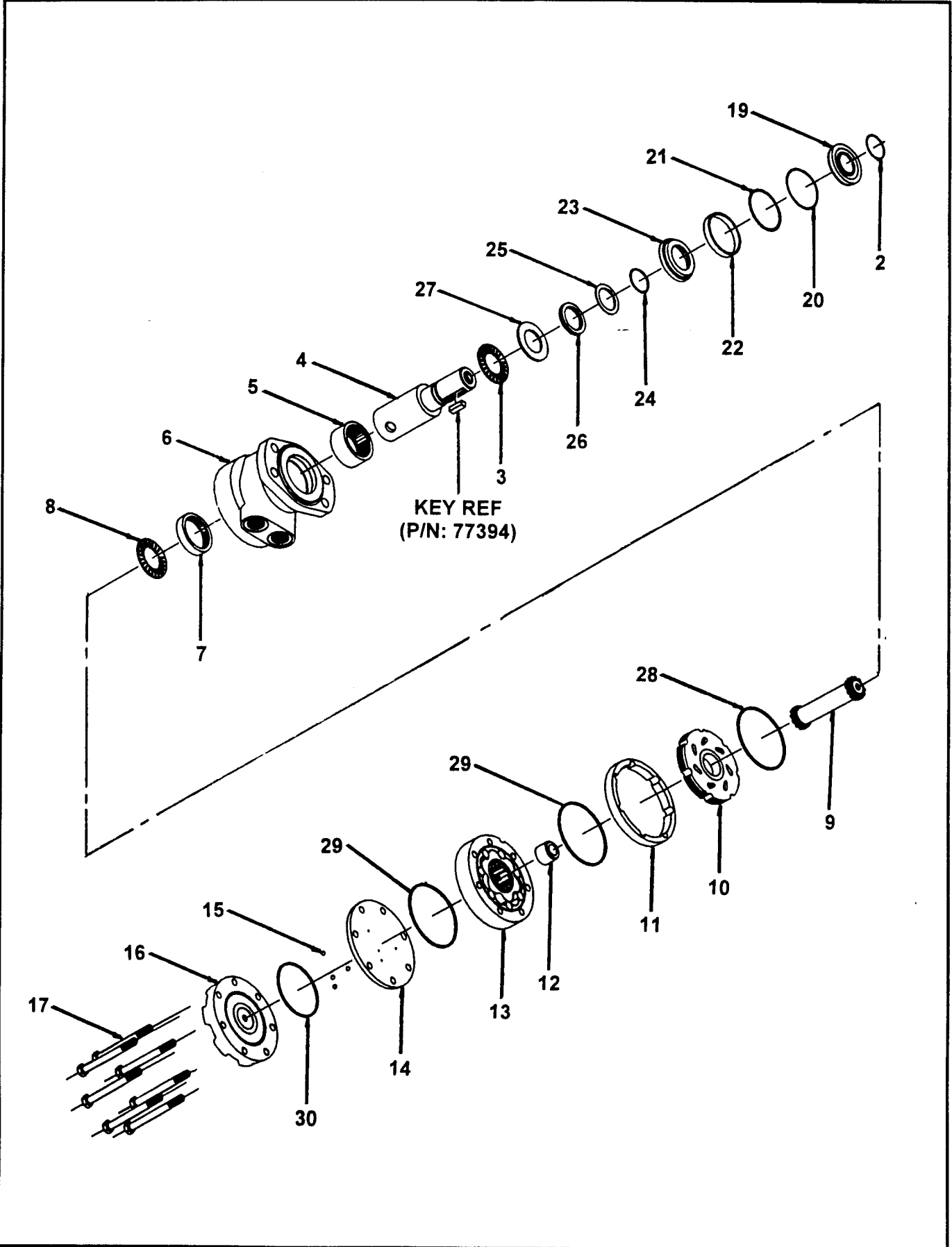
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85811	Assembly, B45 Agitator Motor (See Group 20, Figure 05A for NHA)	Ref
2		• Ring, Wire	1
3		• Bearing, Front Thrust	1
4		• Kit, Shaft	1
5		• Bearing, Front Housing	1
6		• Kit, Housing	1
7		• Bearing, Rear Housing	1
8		• Bearing, Rear Thrust	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, Polyamide	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



HARSH MIX HOPPER AGITATOR MOTOR ASSEMBLY

B45
PARTS
GROUP 20
FIGURE 08
PAGE 01



REVISION:

**HARSH MIX HOPPER
AGITATOR MOTOR ASSEMBLY**

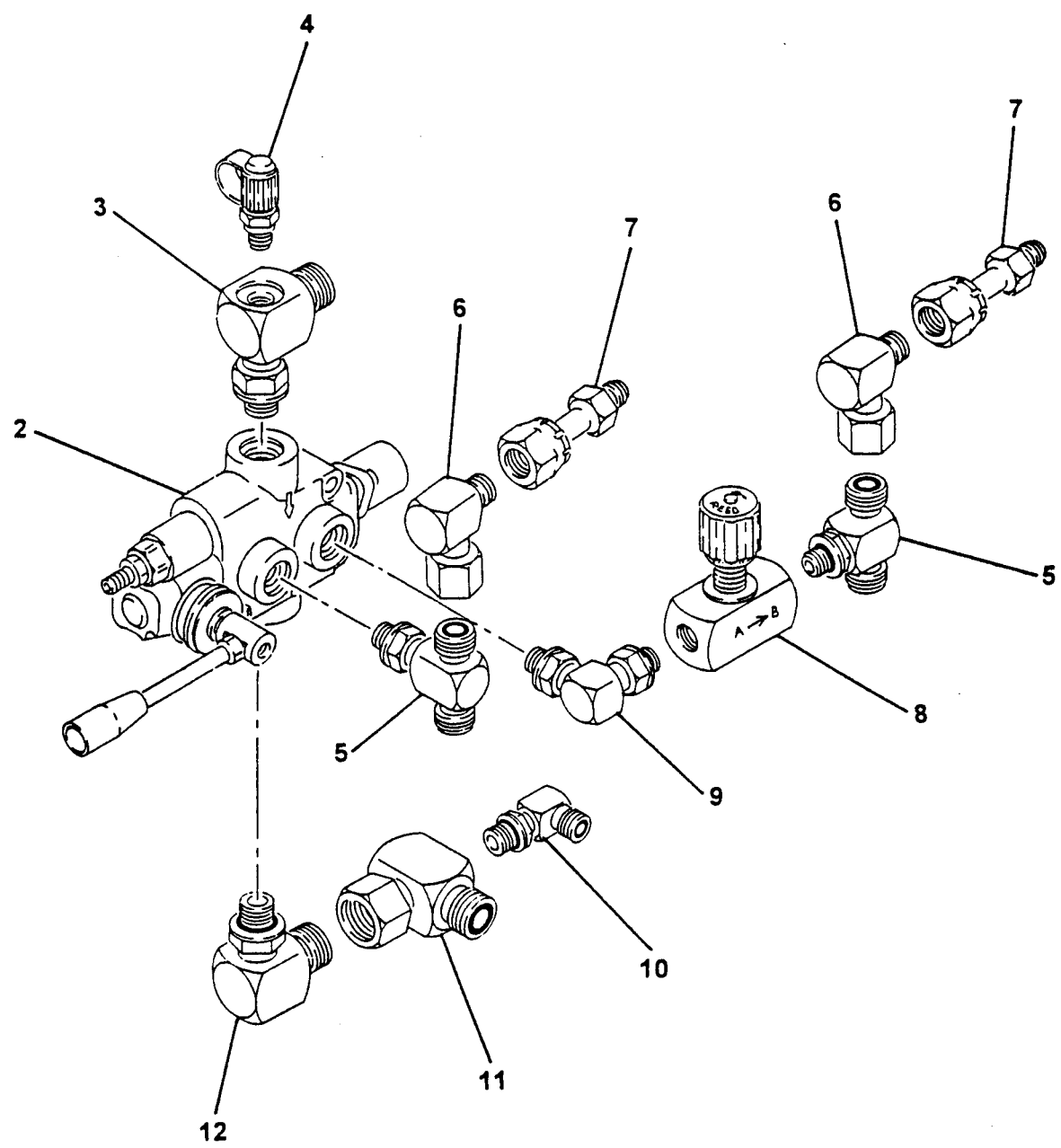
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	73750	Assembly, White Agitator Motor (See Group 20, Figure 06 for NHA)					Ref
	73750A	Assembly, Nichols Agitator Motor (See Group 20, Figure 06 for NHA)					Ref
2		• Ring, Wire					1
3		• Bearing, Front Thrust					1
4		• Kit, Shaft					1
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	73754	• Kit, White Motors Seal					1
	73754A	• Kit, Nichols 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 CONTROL VALVE ASSEMBLY

B45
PARTS
GROUP 20
FIGURE 09
PAGE 01



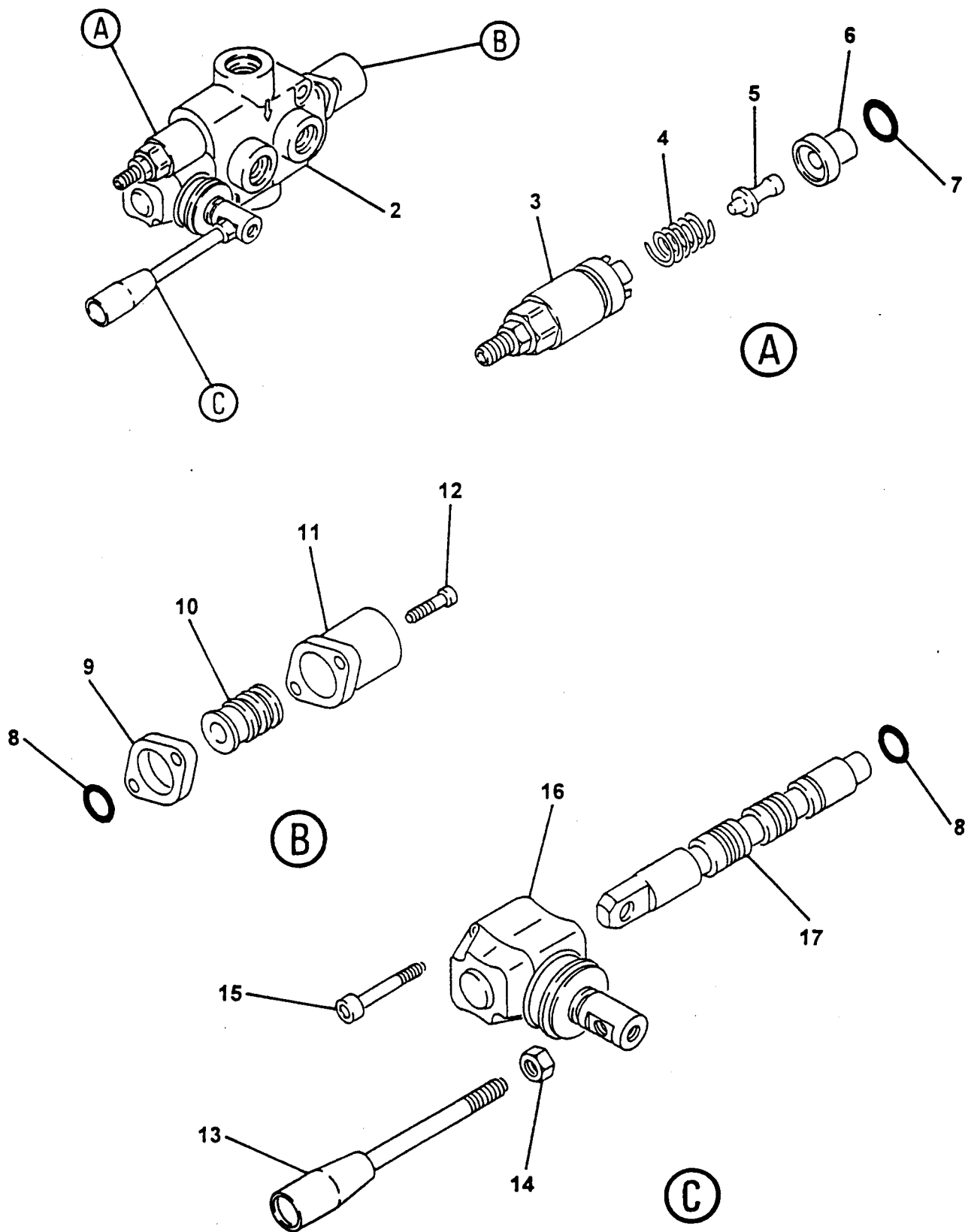
REVISION:

REED**AGITATOR CONTROL VALVE ASSEMBLY****B45**
PARTS
GROUP 20
FIGURE 09
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	20-09	Assembly, Agitator Control Valve (See Group 20, Figure 01 and Figure 02 for NHA)					Ref
2	74584	• Sub-Assembly, Agitator Control Valve (See Group 20, Figure 10 for DET)					1
3		• Tee, Special Drill					1
4	78593	• Fitting, Mini Check (Port)					1
5		• Tee					2
6		• Fitting, 90					2
7		• Fitting, Connector					2
8		• Controller, Check					1
9		• Fitting, 90					1
10		• Fitting, 90					1
11		• Tee, Special Drill					1
12		• Fitting, 90					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	74584	Sub-Assembly, Agitator Control Valve (Optional Item) (See Group 20, Figure 09 for NHA)					Ref
2		• Body, Valve					1
3		• Kit, Screw					1
4		• Spring					1
5		• Pin, Screw Kit					1
6		• Ring					1
7		• O-Ring					1
8		• O-Ring					2
9		• Spacer					1
10		• Kit, Spool Control					1
11		• Cap, Spool					1
12		• Screw, SOC (attaching Parts)					2
13		• Handle, Remixer Valve					1
14		• Nut (attaching parts)					1
15		• Screw, SOC					2
16		• Lever, L					1
17		• Spool					1

DASH (-) ITEM NOT ILLUSTRATED



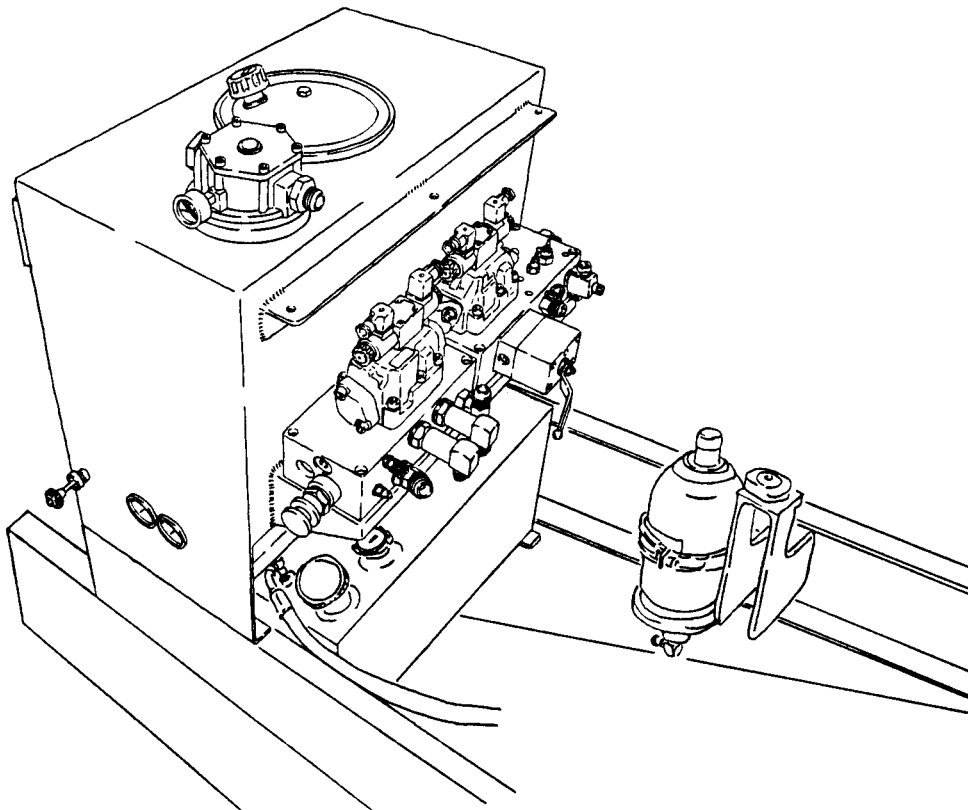
TRAILER MOUNTED PUMP MODEL *B45*
ILLUSTRATED PARTS MANUAL

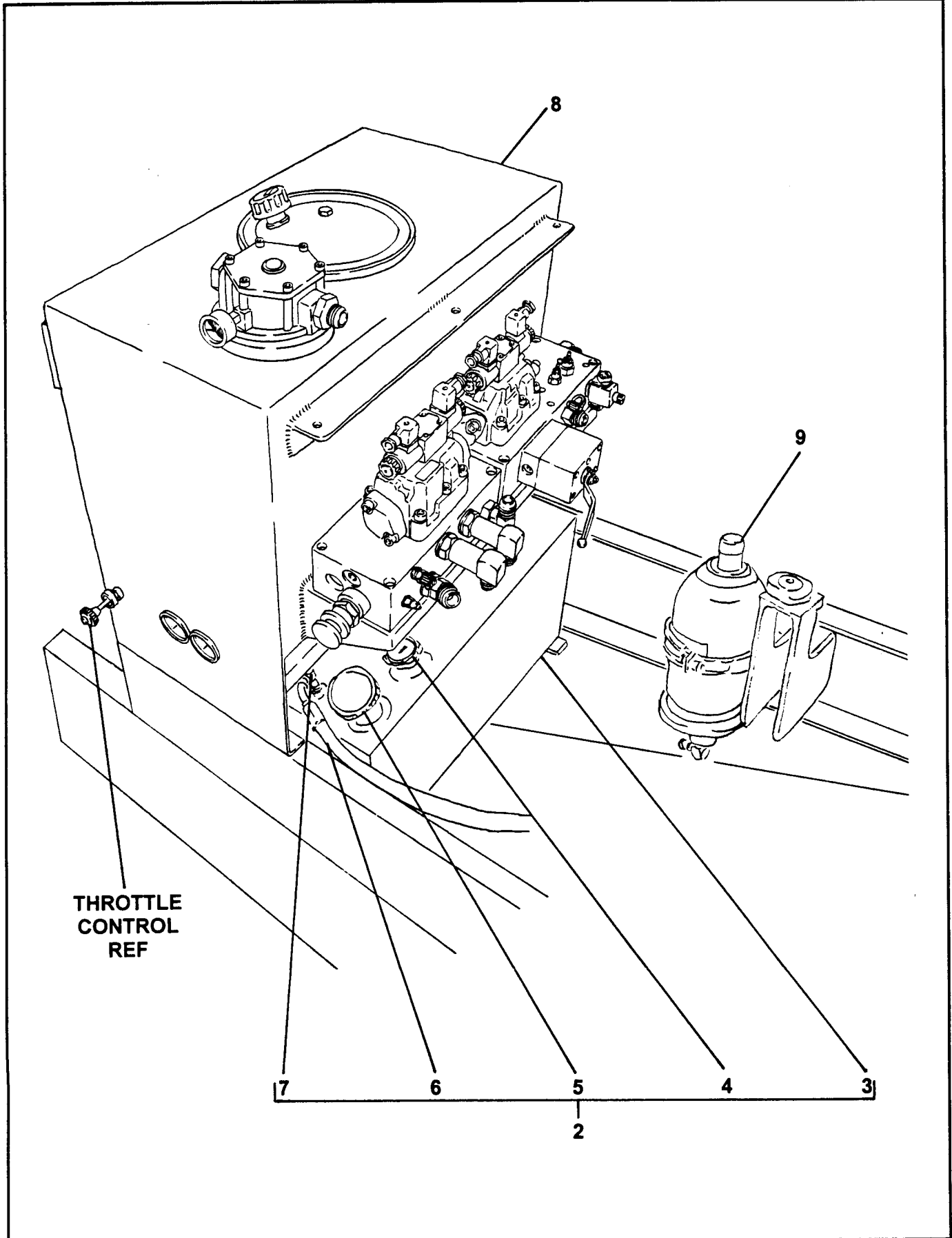
B45
PARTS
GROUP 20
FIGURE 11
PAGE 01

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**REED TRAILER MOUNTED CONCRETE PUMP MODEL B45 ILLUSTRATED PARTS
MANUAL GROUP 30 HYDRAULIC TANK INSTALLATION CONTAINS THE FOLLOWING
FIGURES:**

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







TANK INSTALLATION

B45
PARTS
GROUP 30
FIGURE 01
PAGE 02

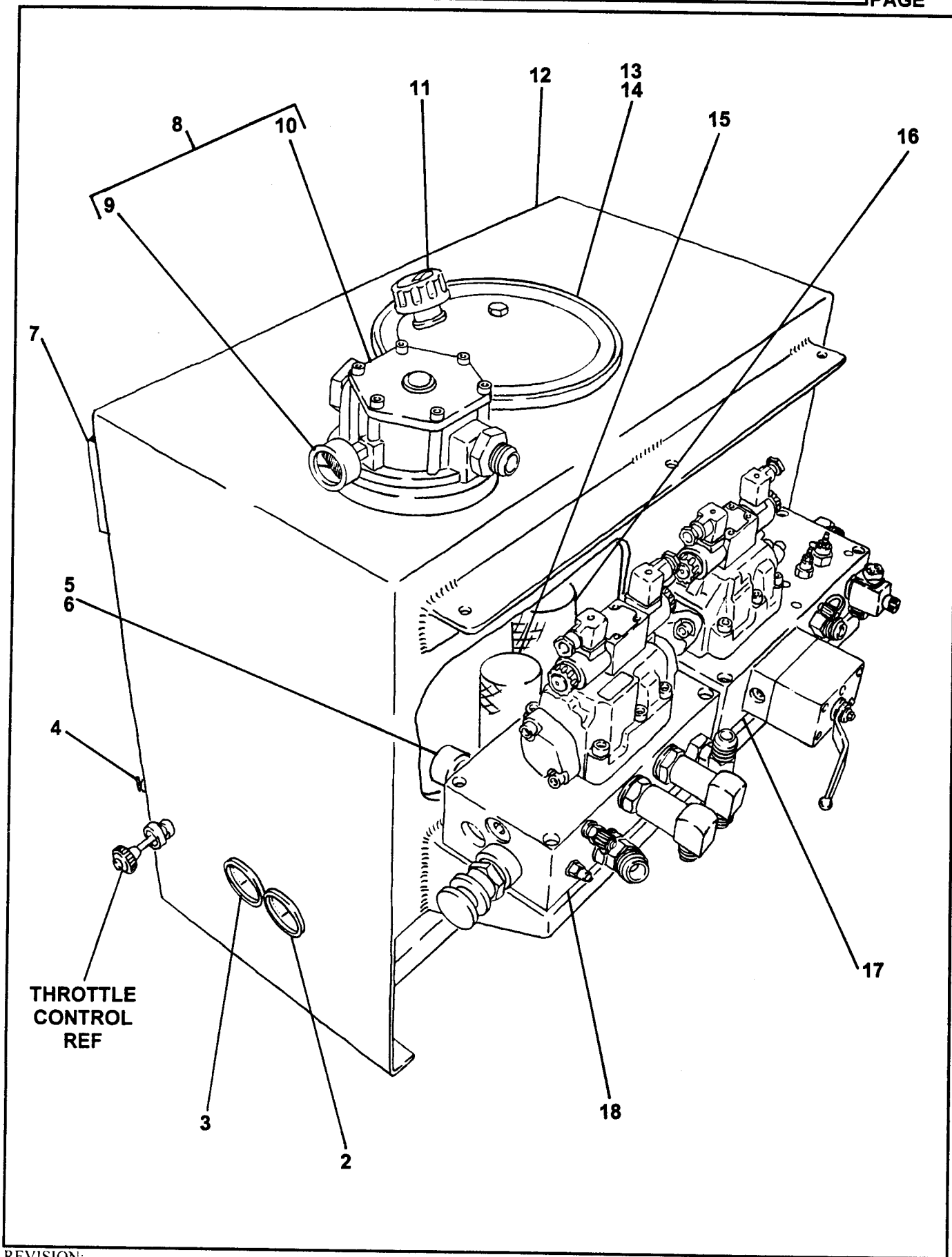
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	30-01	Installation, Tank (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	85363	• Assembly, Fuel Tank					1
3	85111	• • Weldment, Fuel Tank					1
4	85569	• • Gauge, Fuel					1
5	85570	• • Cap, Fuel					1
6	85362	• • Assembly, Fuel Pick Up Tube					2
7		• • Elbow, 90					2
8	85361	• Assembly, Hydraulic Tank (See Group 30, Figure 02 for DET)					1
9	30-10	• Assembly, Accumulator (See Group 30, Figure 10 for DET)					1
-10	74716	• Hose, 6 Feet Fuel					1
-11	10577	• Clamp, Fuel Hose					2
-12	85330	• Kit, B45 Hose (See SCHEMATIC Section, Page 17 for DET)					1

DASH (-) ITEM NOT ILLUSTRATED

REED

HYDRAULIC TANK ASSEMBLY

B45
PARTS
GROUP 30
FIGURE 02
PAGE 01



REVISION:

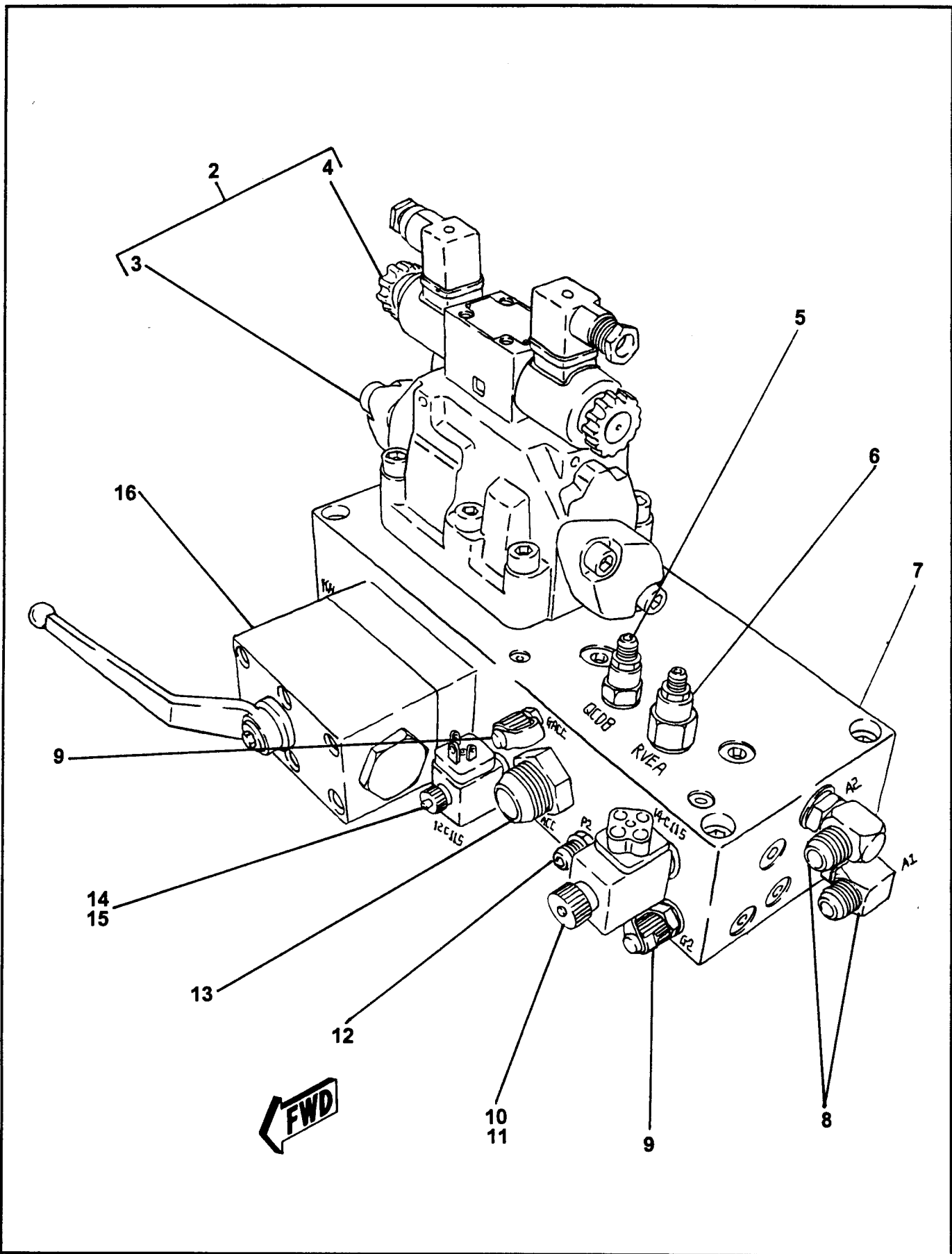
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85361	Assembly, Hydraulic Tank (See Group 30, Figure 01 for NHA)	Ref
2	70366	• Gauge, 3,000 PSI Hydraulic	1
3	74562	• Gauge, 6,000 PSI Hydraulic	1
4	801025	• Cock, Drain	1
5	85574	• Valve, 2 Inch Check	1
6	10981	• Nipple, 2 Inch	1
7	74509	• Gauge,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

DASH (-) ITEM NOT ILLUSTRATED



SWING TUBE CIRCUIT MANIFOLD ASSEMBLY

B45
PARTS
GROUP 30
FIGURE 03
PAGE 01



REVISION:

REED**SWING TUBE CIRCUIT
MANIFOLD ASSEMBLY****B45
PARTS
GROUP 30
FIGURE 03
PAGE 02**

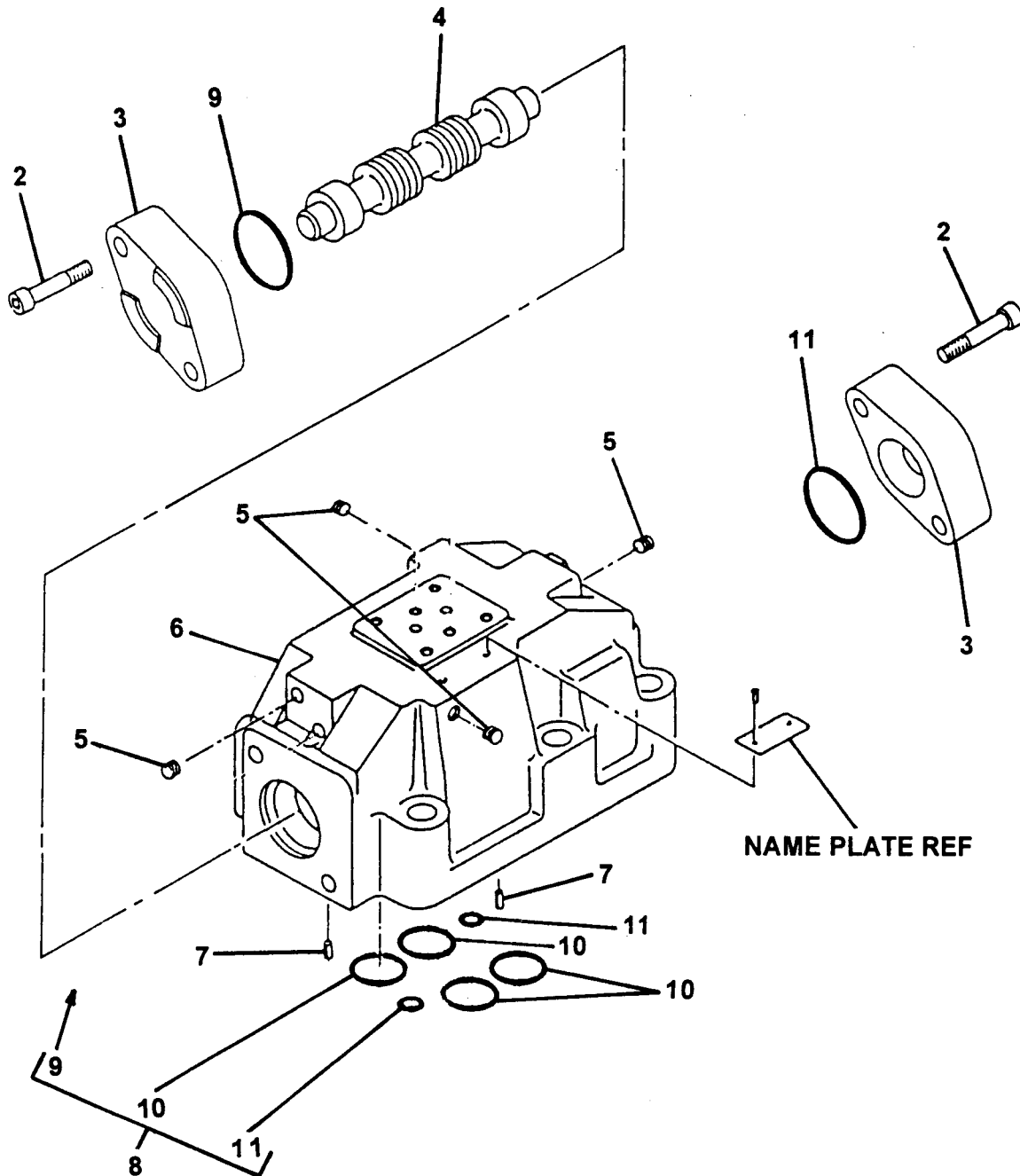
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85249	Assembly, Swing Tube Circuit Manifold (See Group 30, Figure 02 for NHA)	Ref
2	85693	• Assembly, Swing Tube Circuit Solenoid Valve	1
3	85694	• • Assembly, Swing Tube Circuit Main-Solenoid Valve (See Group 30, Figure 04 for DET)	1
4	85695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

DASH (-) ITEM NOT ILLUSTRATED

REED

SWING TUBE CIRCUIT MAIN SOLENOID VALVE ASSEMBLY

B45
PARTS
GROUP 30
FIGURE 04
PAGE 01



REVISION:

REED**SWING TUBE CIRCUIT
MAIN SOLENOID VALVE ASSEMBLY****B45
PARTS
GROUP 30
FIGURE 04
PAGE 02**

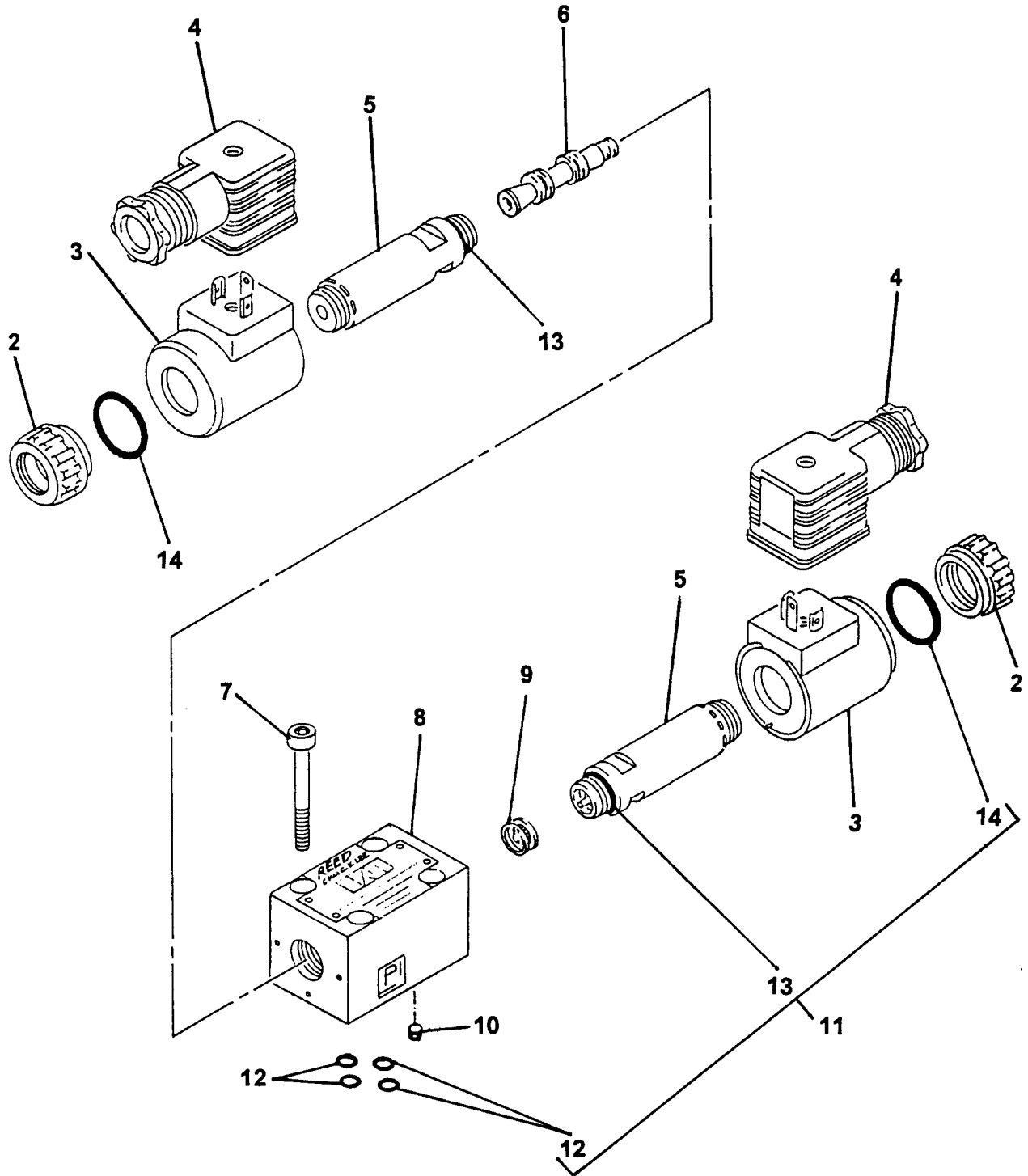
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85694	Assembly, Swing Tube Circuit Main Solenoid Valve (See Group 30, Figure 03 for NHA)					Ref
2		• Screw, SOC					4
3		• Cover					2
4		• Spool					1
5		• Plug					4
6		• Housing, Cartridge					1
7		• Pin, Grooved					2
8	74994	• Kit, Seal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

DASH (-) ITEM NOT ILLUSTRATED

REED

SWING TUBE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

B45
PARTS
GROUP 30
FIGURE 05
PAGE 01



REVISION:

REED**SWING TUBE CIRCUIT
PILOT SOLENOID VALVE ASSEMBLY****B45**
PARTS
GROUP 30
FIGURE 05
PAGE 02

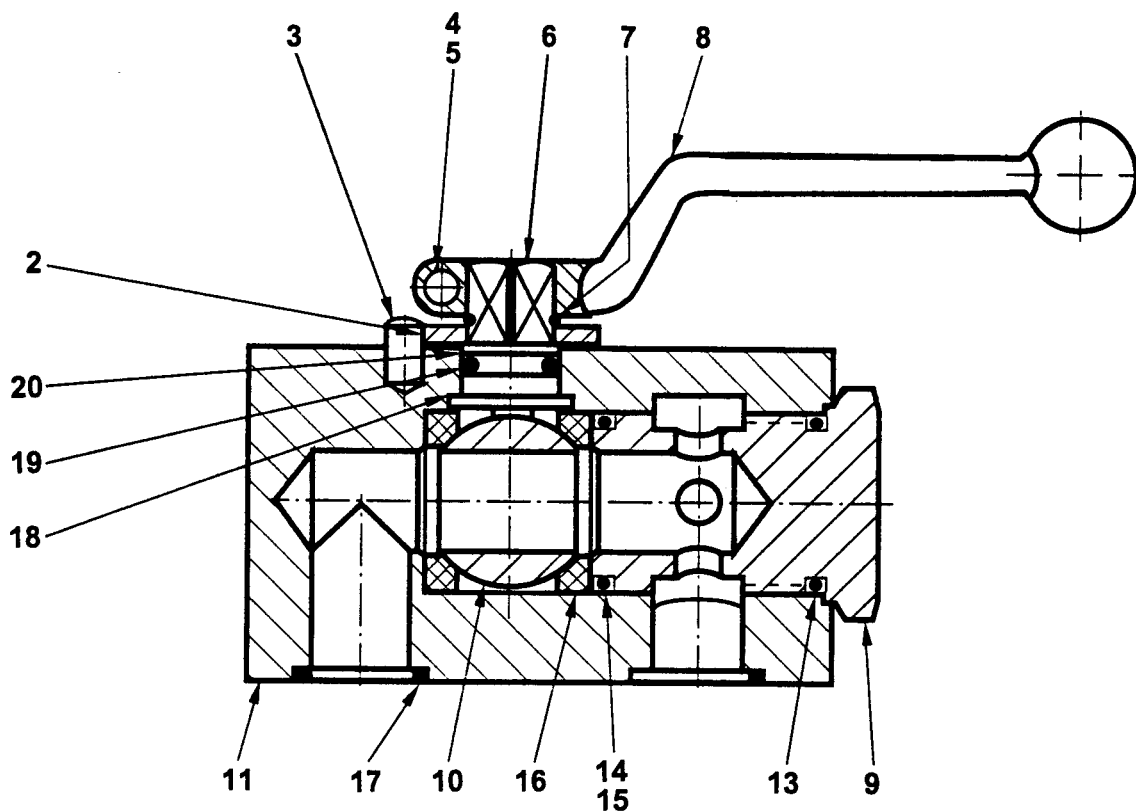
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85695	Assembly, Swing Tube Circuit Pilot Solenoid Valve (See Group 30, Figure 03 for NHA)					Ref
2		• Cap, Coil					2
3	85692	• Coil, Solenoid					2
4	74597	• Connector, Plug					2
5		• Amature					2
6		• Spool					1
7		• Screw, SOC					4
8		• Housing, Solenoid Valve					1
9		• Detent					1
10		• Orifice					1
11	72313	• Kit, O-ring					1
12		• • O-Ring					4
13		• • O-ring					2
14		• • O-ring					2

DASH (-) ITEM NOT ILLUSTRATED

REED

BALL VALVE ASSEMBLY

B45
PARTS
GROUP 30
FIGURE 06
PAGE 01



REVISION:

REED**BALL VAVE ASSEMBLY****B45****PARTS**

GROUP 30

FIGURE 06

PAGE 02

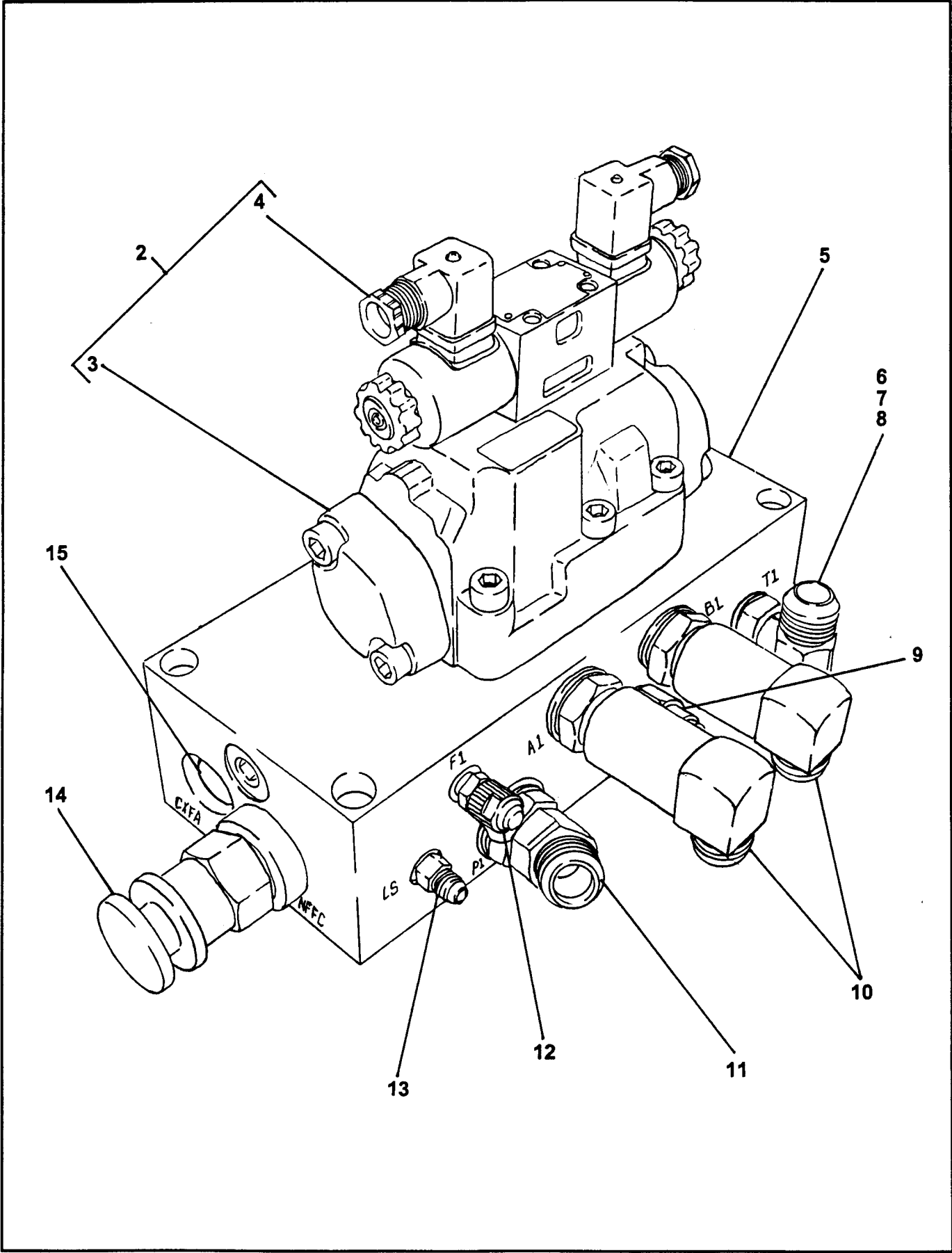
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85705	Assembly, Ball Valve (See Group 30, Figure 03 for NHA)					Ref
2		• Washer, Limit					1
3		• Pin, Stop					1
4		• Bolt, Hex					1
5		• Nut, Hex					1
6		• Handle, Control					1
7		• Spindle, Control					1
8		• Retainer, Spring					1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

DASH (-) ITEM NOT ILLUSTRATED



DRIVE CYLINDER CIRCUIT MANIFOLD ASSEMBLY

B45
PARTS
GROUP 30
FIGURE 07
PAGE 01

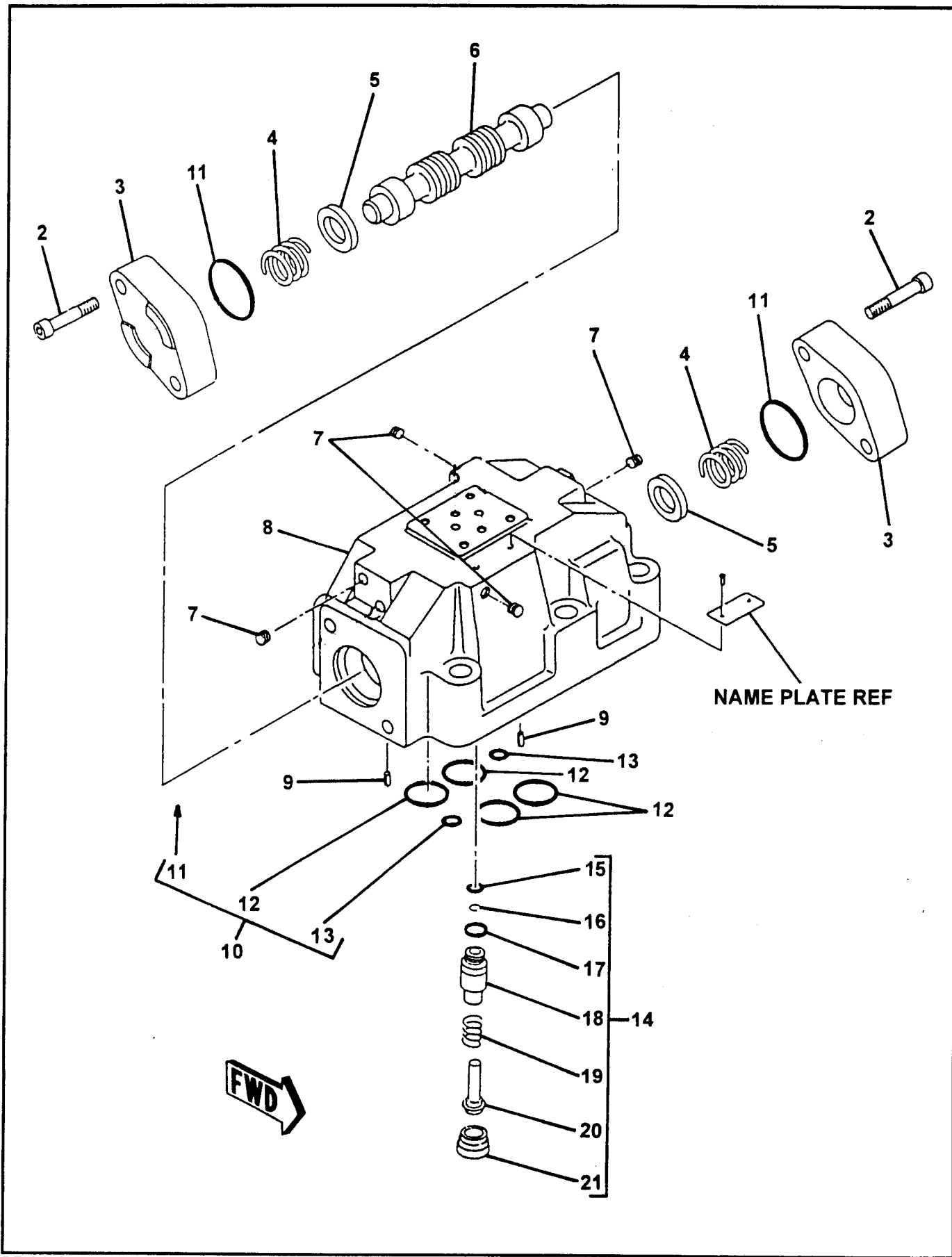


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ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85248	Assembly, Drive Cylinder Circuit Manifold (See Group 30, Figure 02 for NHA)	Ref
2	85689	• Assembly, Drive Cylinder Circuit Solenoid Valve	1
3	85690	• • Assembly, Drive Cylinder Circuit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

DASH (-) ITEM NOT ILLUSTRATED

DRIVE CYLINDER CIRCUIT MAIN SOLENOID VALVE ASSEMBLY



REED**DRIVE CYLINDER CIRCUIT
MAIN SOLENOID VALVE ASSEMBLY****B45
PARTS
GROUP 30
FIGURE 08
PAGE 02**

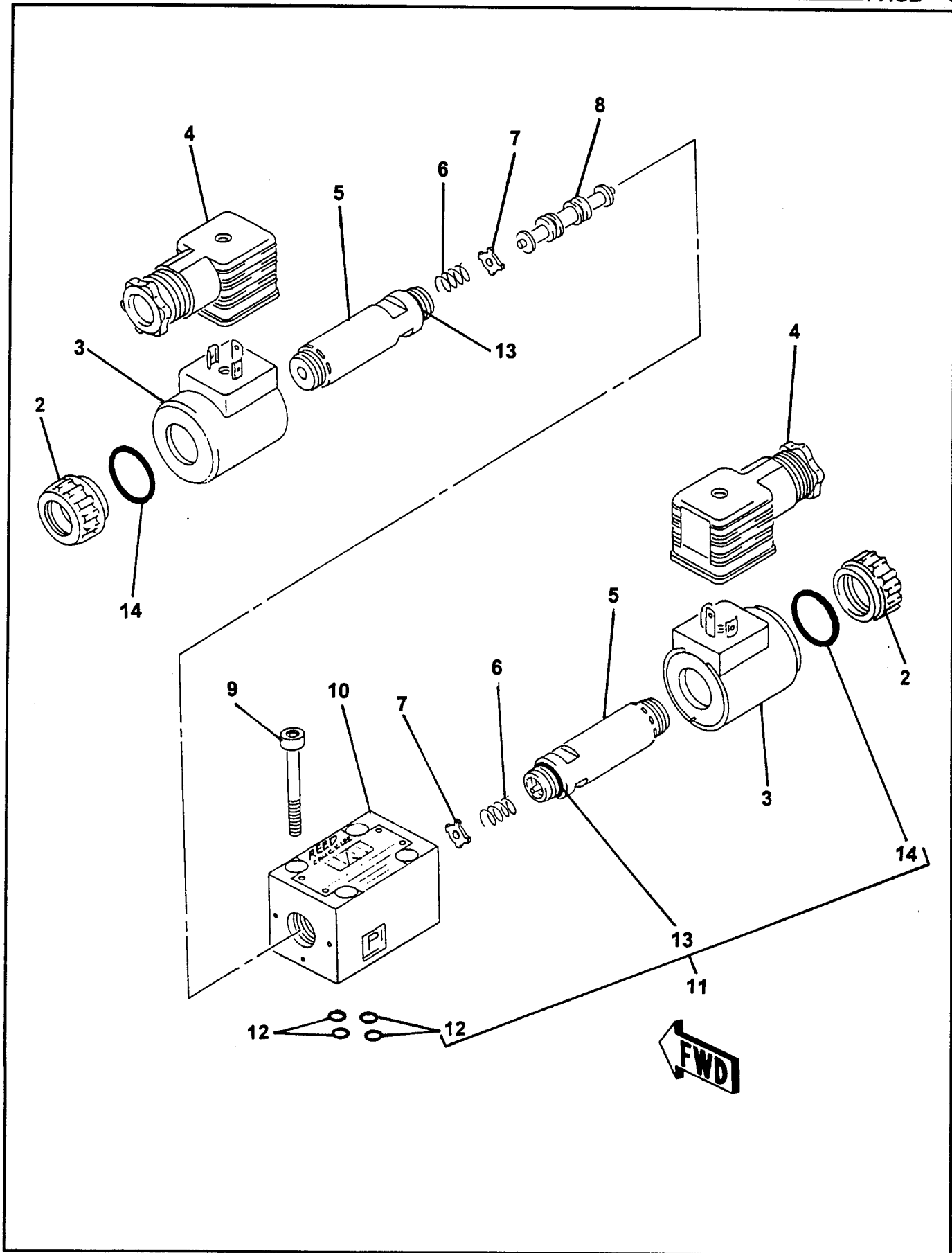
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85690	Assembly, Drive Cylinder Circuit Main Solenoid Valve (See Group 30, Figure 07 for NHA)					Ref
2					• Screw, SOC	4	
3					• Cover	2	
4					• Spring, Compression	2	
5					• Plate, Spring	2	
6					• Spool	1	
7					• Plug	4	
8					• Housing,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

DASH (-) ITEM NOT ILLUSTRATED

REED

DRIVE CYLINDER CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

B45
PARTS
GROUP 30
FIGURE 09
PAGE 01



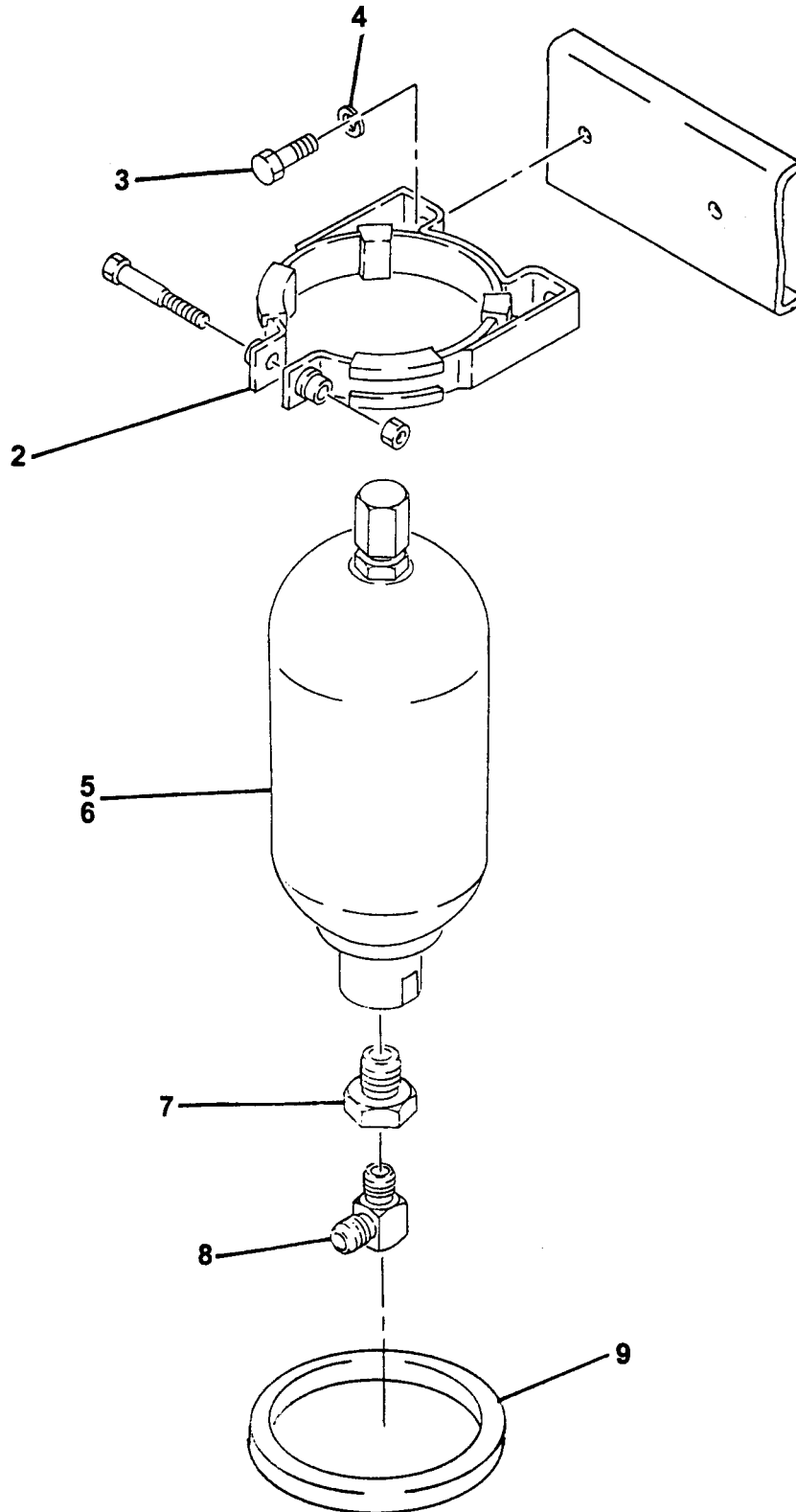
REVISION:

REED**DRIVE CYLINDER CIRCUIT
PILOT SOLENOID VALVE ASSEMBLY****B45**
PARTS
GROUP 30
FIGURE 09
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

ACCUMULATOR ASSEMBLY

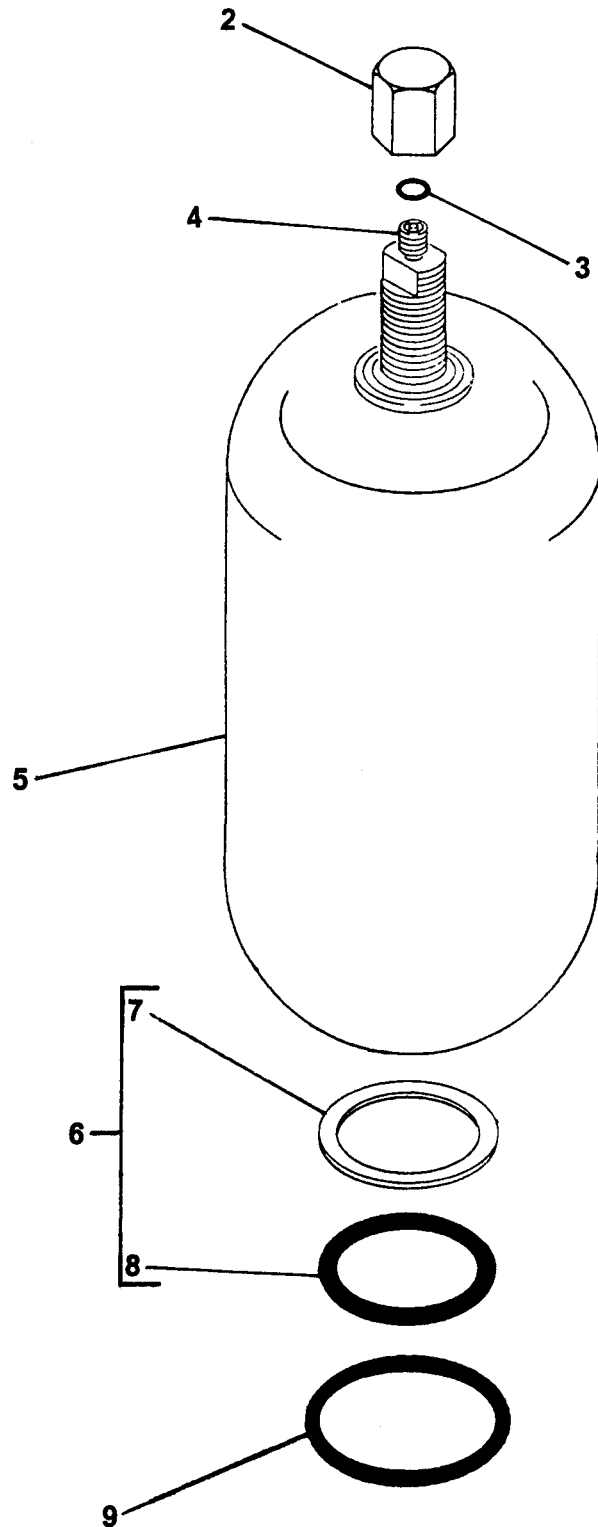


REED**ACCUMULATOR ASSEMBLY****B45**
PARTS
GROUP 30
FIGURE 10
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

ACCUMULATOR BLADDER REPAIR KIT



REED**ACCUMULATOR
BLADDER REPAIR KIT****B45
PARTS
GROUP 30
FIGURE 11
PAGE 02**

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

DASH (-) ITEM NOT ILLUSTRATED

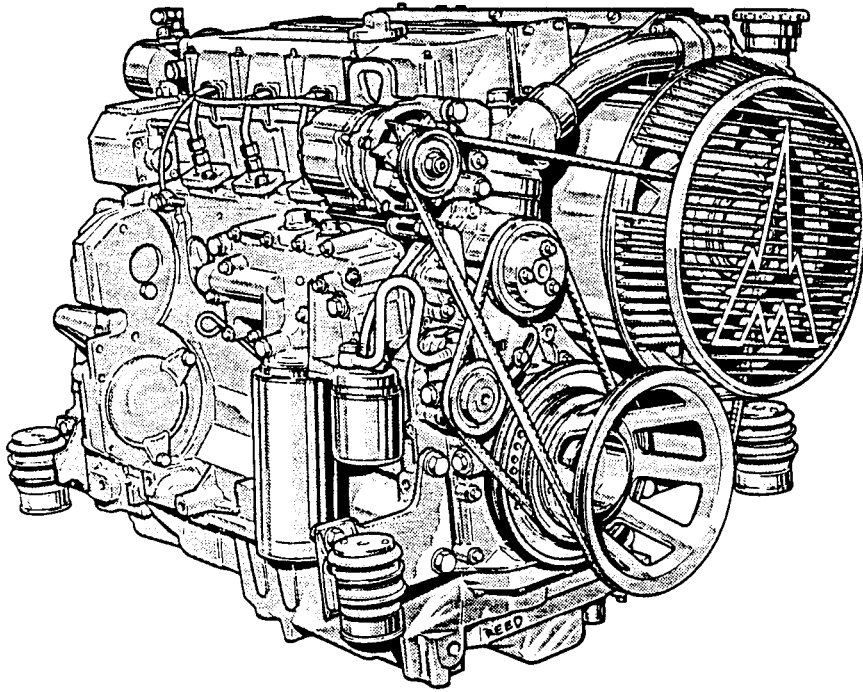
REVISION:

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**TRAILER MOUNTED PUMP MODEL B45
ILLUSTRATED PARTS MANUAL**

B45
PARTS
GROUP 30
FIGURE 12
PAGE 01

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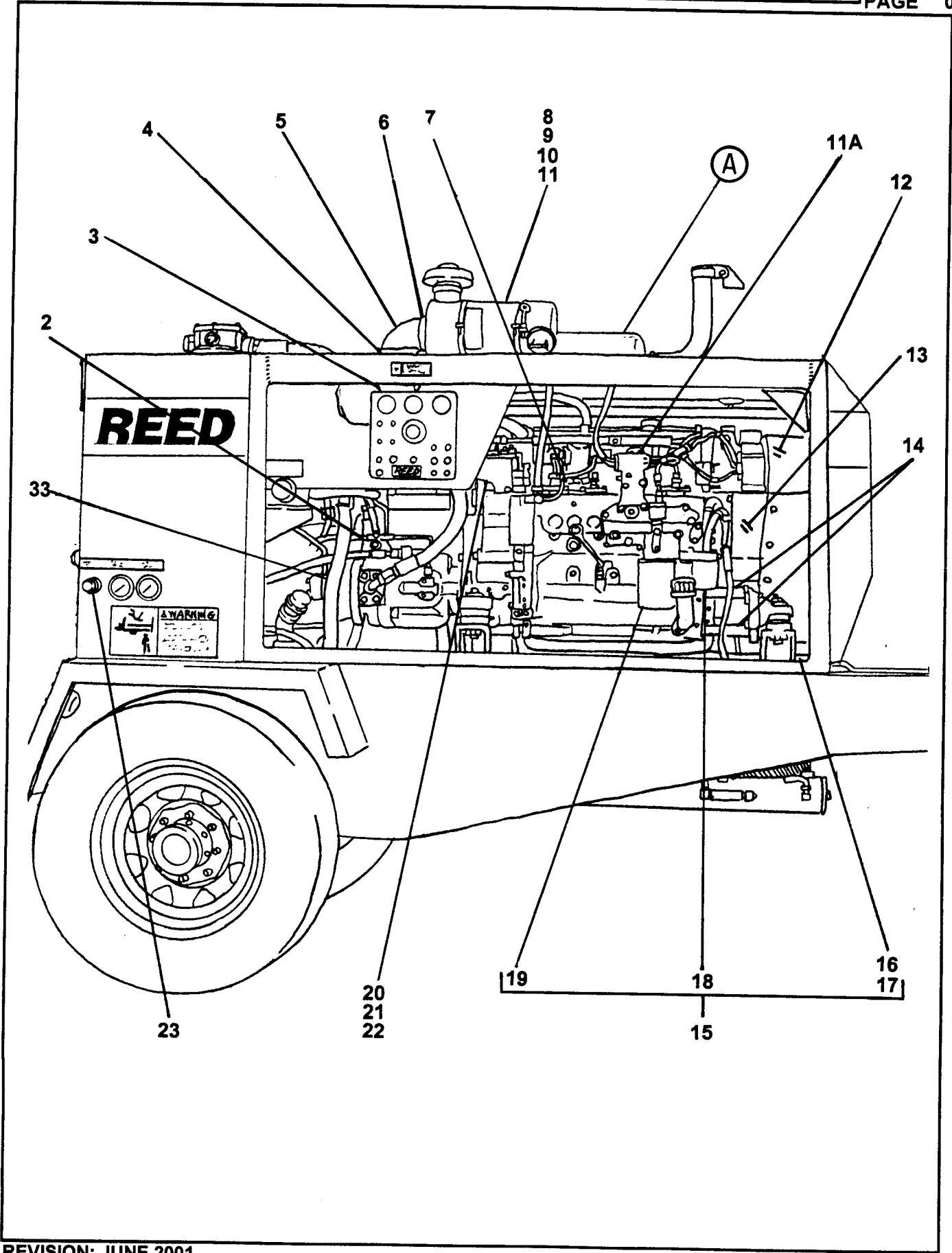
REED TRAILER MOUNTED CONCRETE PUMP MODEL **B45** ILLUSTRATED PARTS MANUAL GROUP 40 POWER TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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

REED

POWER TRAIN INSTALLATION

B45
PARTS
GROUP 40
FIGURE 01
PAGE 01



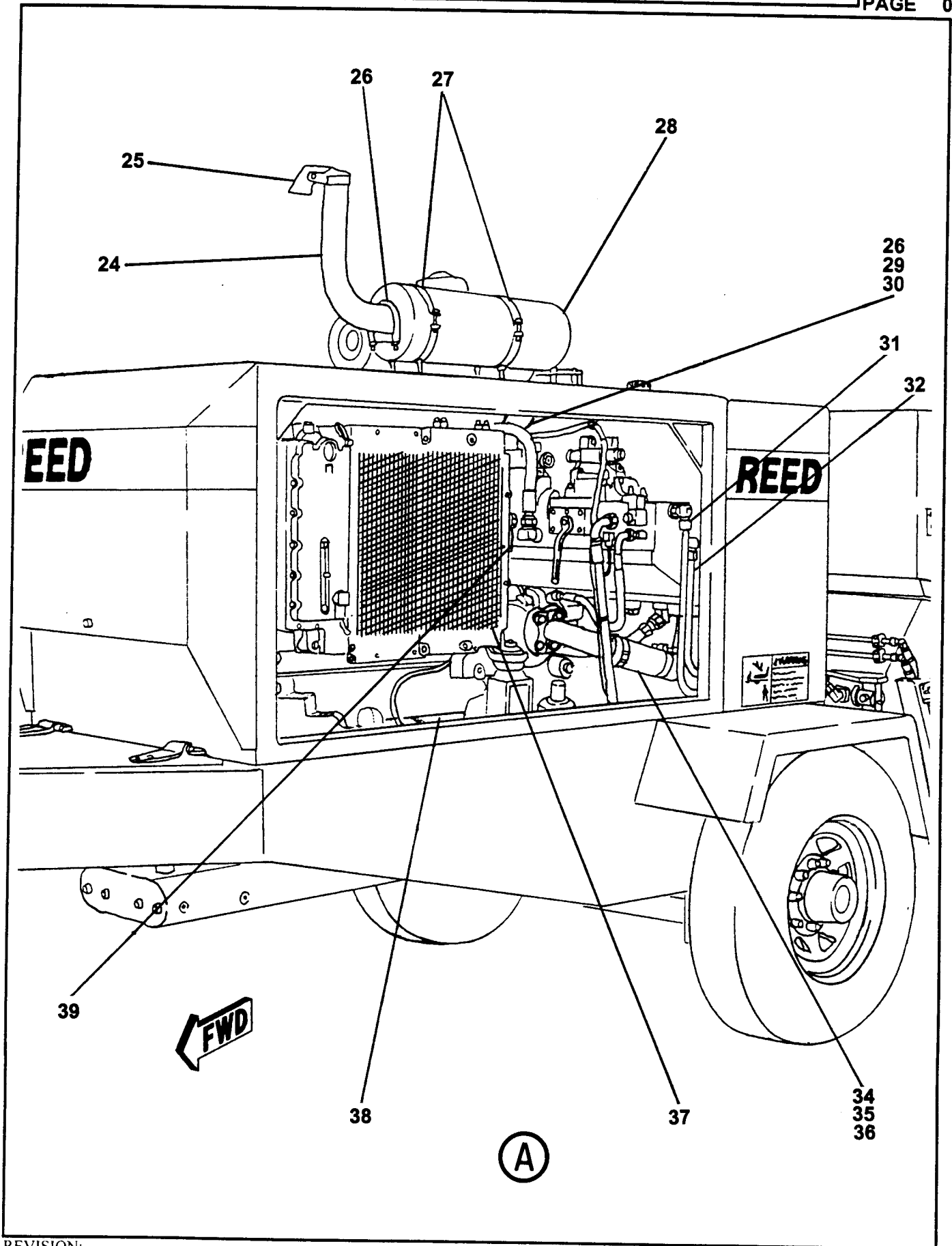
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	40-01	Installation, Power Train (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	40-02	• Assembly, Main and Auxiliary Pumps (See Group 40, Figure 02 for DET)					1
3	78195	• Elbow, 4 Inch Rubber					1
4	77477	• Clamp					4
5	74256	• Elbow, 3 to 4 Inch					1
6	74461	• Clamp					1
7	10577	• Clamp, Hose					2
8	74273	• Cleaner, Air					1
-8A	78243	• • Element, Air Cleaner					1
9	78192	• Hood, Inlet					1
10	78193	• Band, Mounting					2
11	85728	• Tube, Air Cleaner					2
11A	85348	• Switch, 12 VDC Solenoid					1
12	72226	• Ring, Air Guide					1
13	85345	• Guard, Small Engine Belt					1
14	72493	• Spacer					2
15	78190	• Assembly, Engine (See Vendor Section, Figure 01 for REF)					1
16	76951	• • Filter, Water Separator					1
-16A	79794	• • • Element, Water Separator Filter					1
17	74716	• • Hose, 6 Feet Fuel					1
18	74500	• • Element, Oil Filter					1
19	72960	• • Element, Fuel Filter					1
20	85779	• Bracket, Start Solenoid					1
21	78202	• Coupler, Throttle Cable					1
22	72294	• Bolt, Throttle Control					1
23	78201	• Cable, Throttle Control					1
33	85426	• Tube, Hydraulic Cylinders					2

DASH (-) ITEM NOT ILLUSTRATED

REED

POWER TRAIN INSTALLATION

B45
PARTS
GROUP 40
FIGURE 01
PAGE 03



REVISION:

REED**POWER TRAIN INSTALLATION****B45**
PARTS
GROUP 40
FIGURE 01
PAGE 04

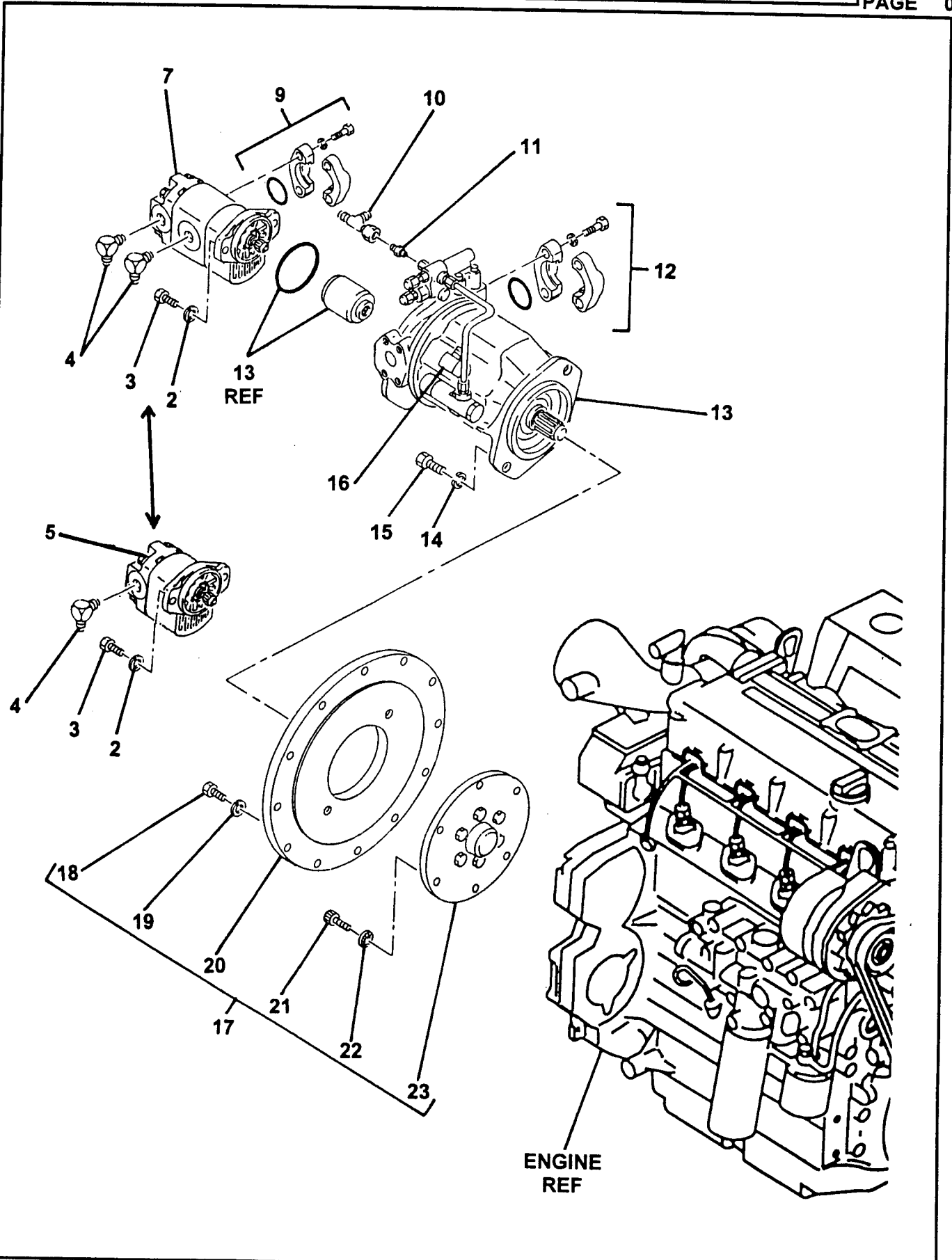
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
24	86892	• Elbow, Exhaust-Modified					1
25	70849	• Cap, Rain					1
26	78213	• Clamp					2
27	78211	• Band, Air Cleaner Mounting					2
28	78199	• Muffler, Oval					1
29	85741	• Elbow, Exhaust					1
30	76524	• Spacer, Exhaust					4
31	85429	• Tube, Hydraulic Shift Cylinder					1
32	85428	• Tube, Hydraulic Shift Cylinder					1
33	85426	• Tube, Hydraulic Cylinders					2
34	85661-001	• Hose, Main Pump Suction					1
35	74310	• Clamp, Severe Service					1
36	85732	• Adapter, Suction					1
37	85670	• Guard, Cooler					1
38	40-06	• Assembly, Battery Mounting (See Group 40, Figure 06 for DET)					1
39	78256	• Bracket, Intake					1
-40	73269	• Strap, Ground					1
-41	85396	• Assembly, Engine Wiring Harness (See Schematic Section, Page 15 for REF)					1

DASH (-) ITEM NOT ILLUSTRATED



HYDRAULIC PUMPS ASSEMBLY

B45
PARTS
GROUP 40
FIGURE 02
PAGE 01



REED**HYDRAULIC PUMPS ASSEMBLY****B45**
PARTS
GROUP 40
FIGURE 02
PAGE 02

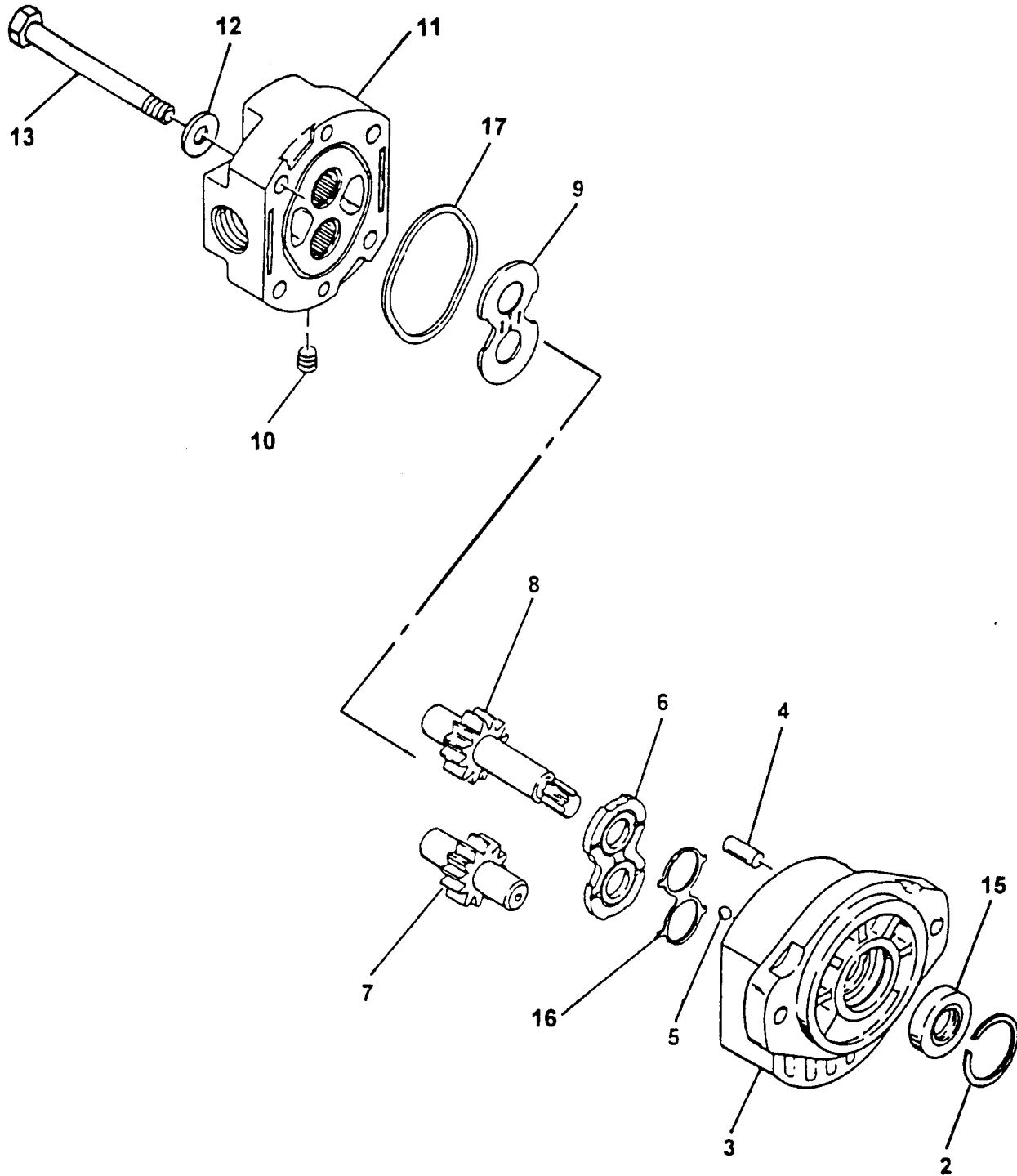
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
-1	40-02	Assembly, Hydraulic Pump (See Group 40, Figure 01 for NHA)	Ref
2		• Washer, Lock	2
3		• Bolt, Hex	2
4		• Fitting, 90	A/R
5	72978	• Assembly, Single Auxiliary Pump (See Group 40, Figure 04 for DET)	1
-6	85675	• Assembly, Optional Pump	1
7	73156	• • Assembly, Double Auxiliary Pump (See Group 40, Figure 03 for DET)	1
-8	85652	• • Valve, Solenoid	1
9		• Kit, Flange	1
10		• Fitting, Tee	1
11		• Fitting STR	1
12		• Kit, Flange	1
13	79560	• Assembly, B45 Main Pump (See Group 40, Figure 05 for DET) (Also See Vendor Section, Figure 02 for REF)	1
14		• Washer, Lock (attaching parts)	2
15		• Bolt, Hex (attaching parts)	2
16		• Fitting, 90	1
17	77876	• Assembly, Flywheel Coupling	1
18		• • Bolt, Hex	12
19		• • Washer, SPL	12
20		• • Plate, Flywheel	1
21		• • Screw	6
22		• • Washer	6
23		• • Drive, Flywheel	1
-24	78256	• Bracket, Air Intake	1

DASH (-) ITEM NOT ILLUSTRATED

REED

SINGLE AUXILIARY PUMP ASSEMBLY

B45
PARTS
GROUP 40
FIGURE 03
PAGE 01



REVISION:

REED**SINGLE AUXILIARY PUMP ASSEMBLY****B45**
PARTS
GROUP 40
FIGURE 03
PAGE 02

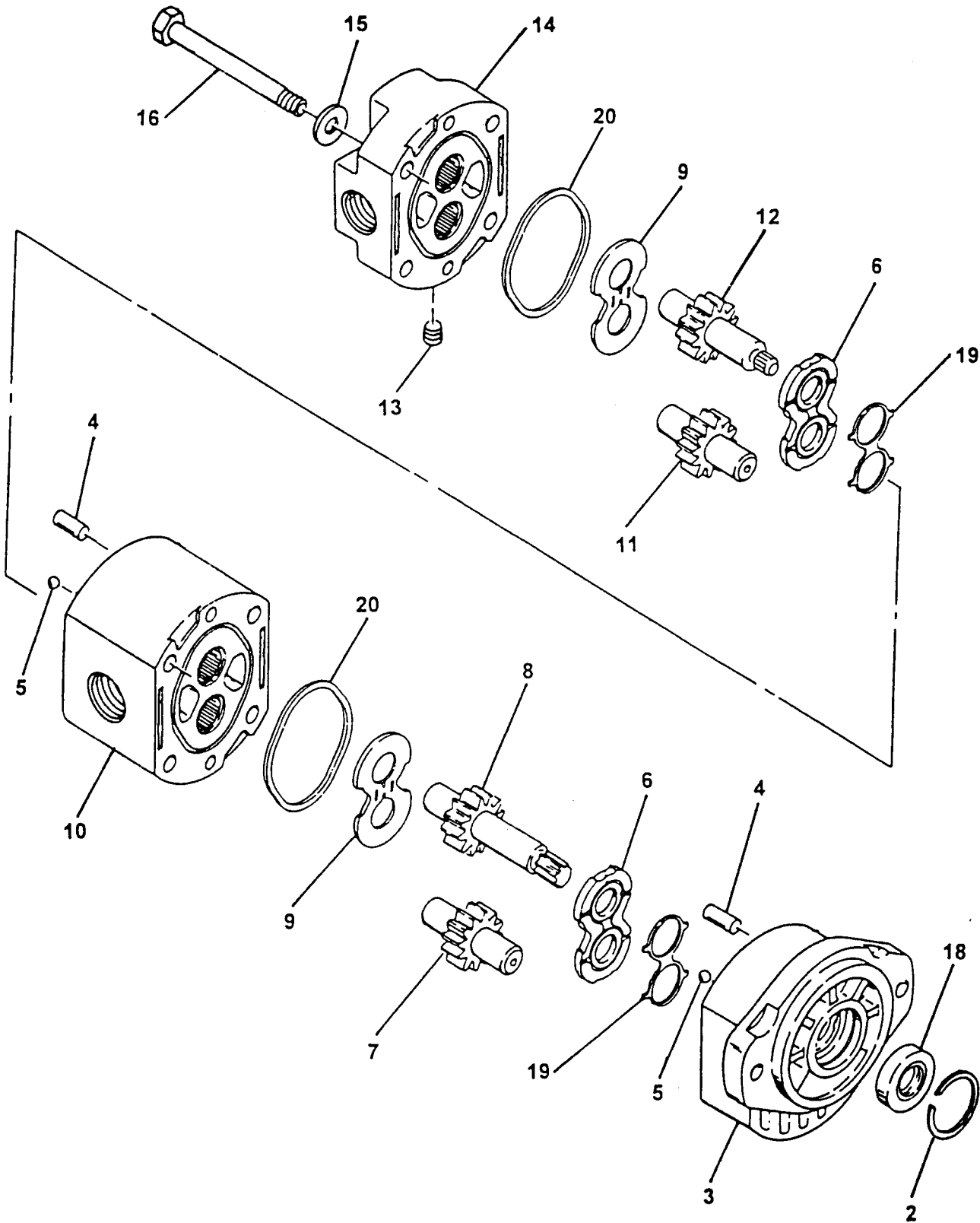
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	72978	Assembly, Single Auxiliary Pump (See Group 40, Figure 02 for NHA)					Ref
2		• Retainer					1
3		• Assembly, Body					1
4		• Pin, Dowel					2
5		• Bearing, Ball					2
6		• Plate, Wear					1
7		• Gear, Driven					1
8		• Gear, Drive					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

REED

DOUBLE AUXILIARY PUMP ASSEMBLY

B45
PARTS
GROUP 40
FIGURE 04
PAGE 01



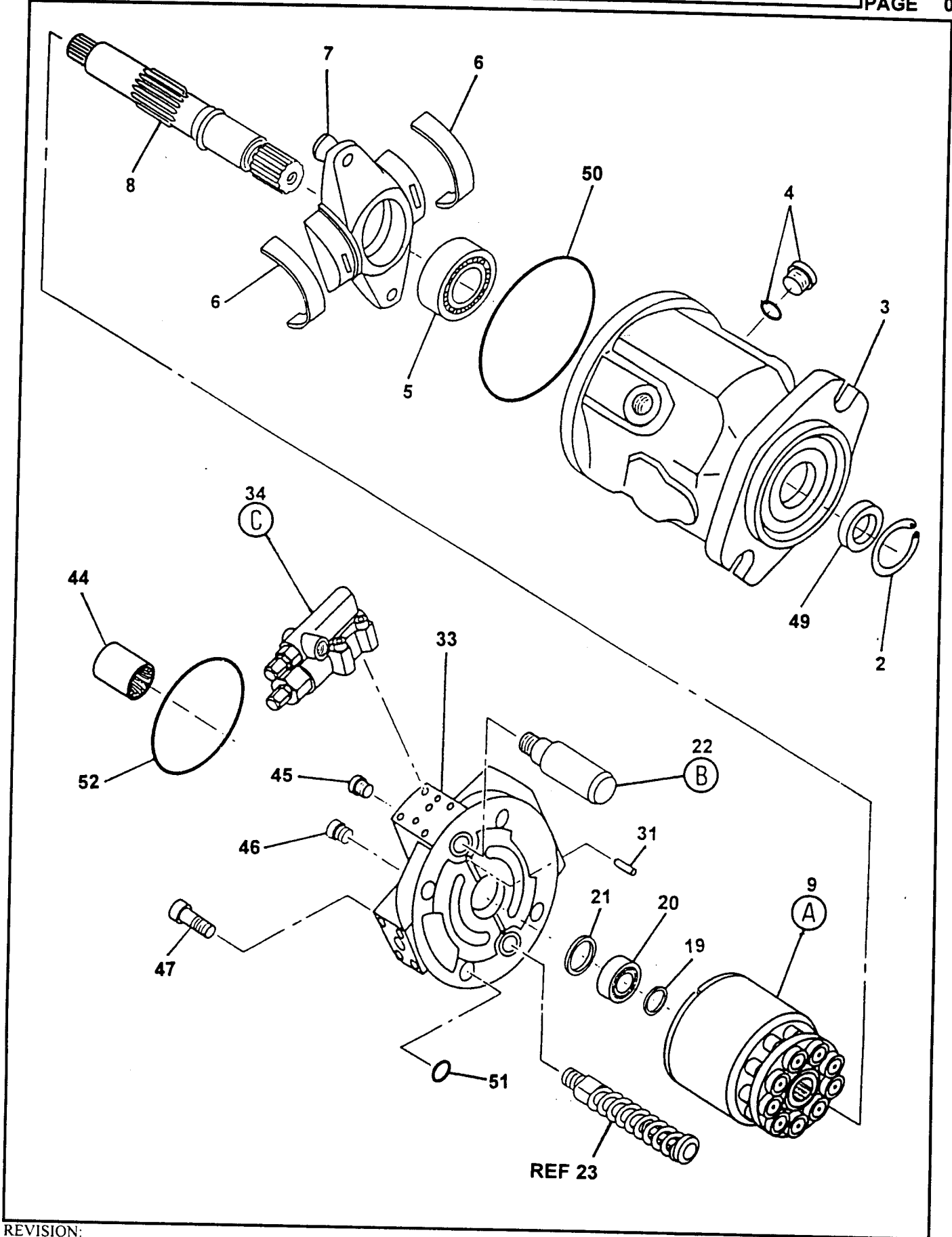
REVISION:

REED**DOUBLE AUXILIARY PUMP ASSEMBLY****B45**
PARTS
GROUP 40
FIGURE 04
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

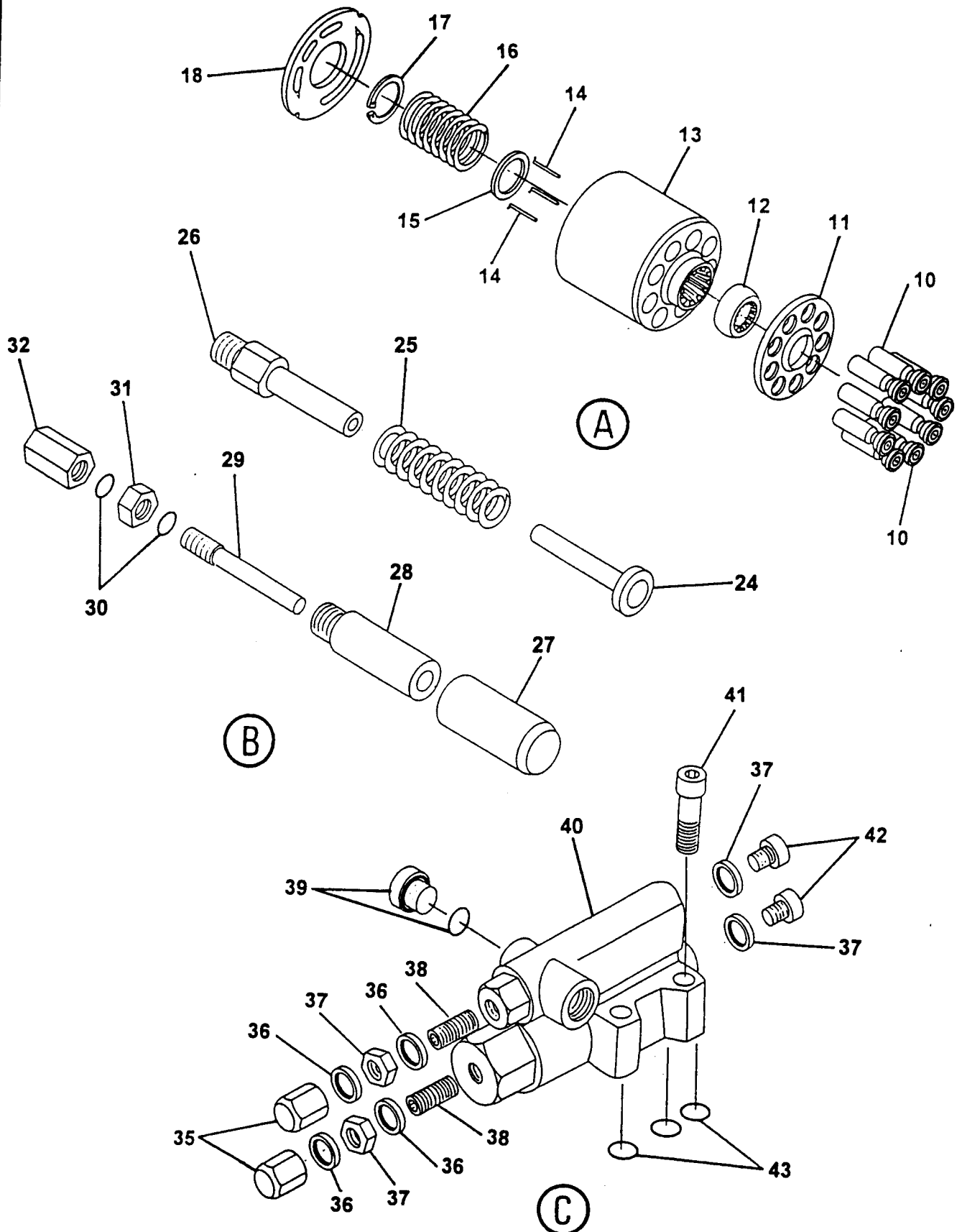
DASH (-) ITEM NOT ILLUSTRATED

MAIN PUMP ASSEMBLY



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

DASH (-) ITEM NOT ILLUSTRATED

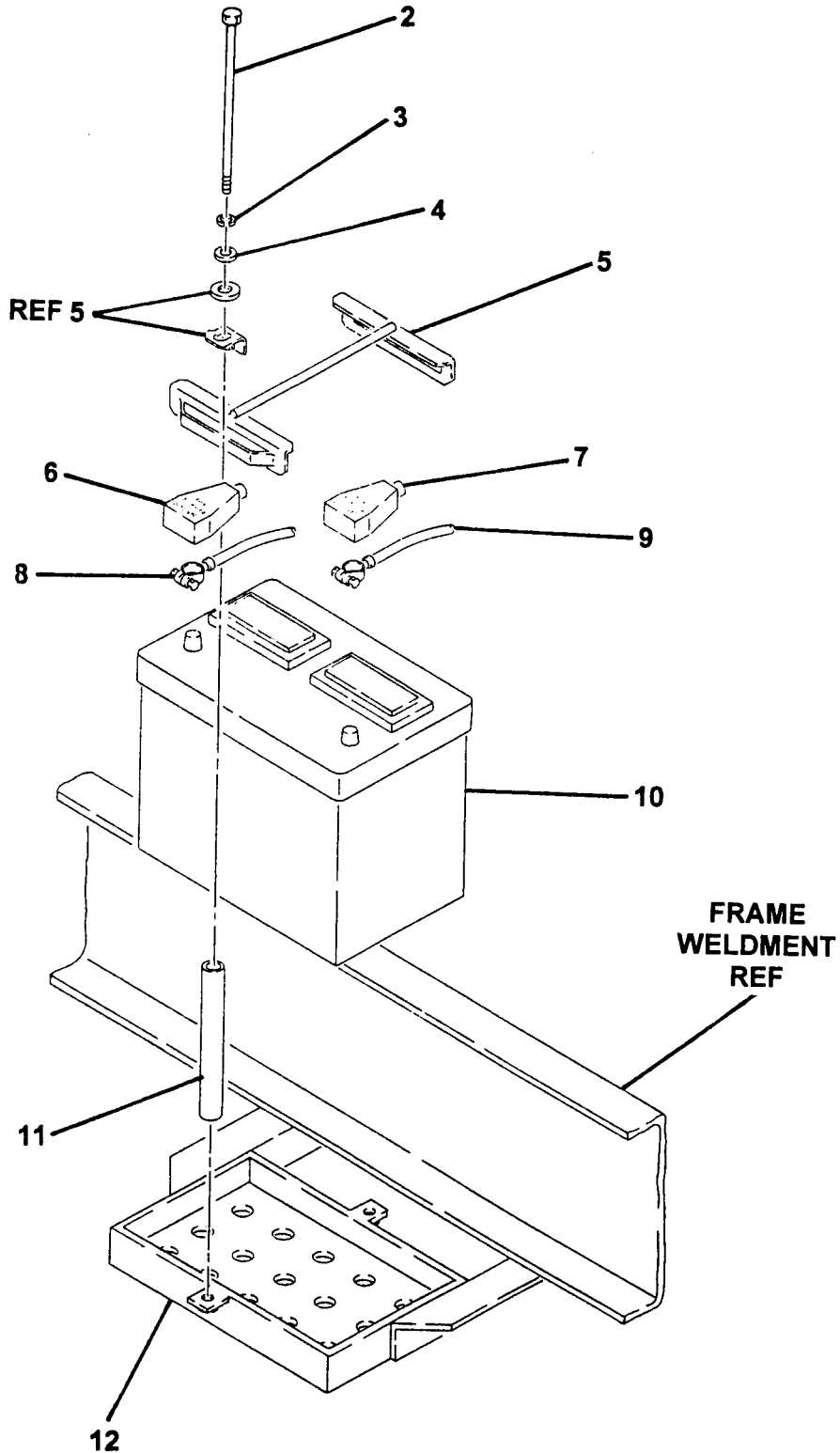


ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-9		• Assembly, Rotary					1
10		• • Piston					9
11		• • Plate, Retaining					1
12		• • Ball, Retaining					1
13		• • Barrel					1
14		• • Pin, Pressure					3
15		• • Disc, Retaining Clip					1
16		• • Spring					1
17		• • Ring, Retaining		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

DASH (-) ITEM NOT ILLUSTRATED

BATTERY MOUNTING ASSEMBLY

B45
PARTS
GROUP 40
FIGURE 06
PAGE 01



REED**BATTERY MOUNTING ASSEMBLY****B45**
PARTS
GROUP 40
FIGURE 06
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



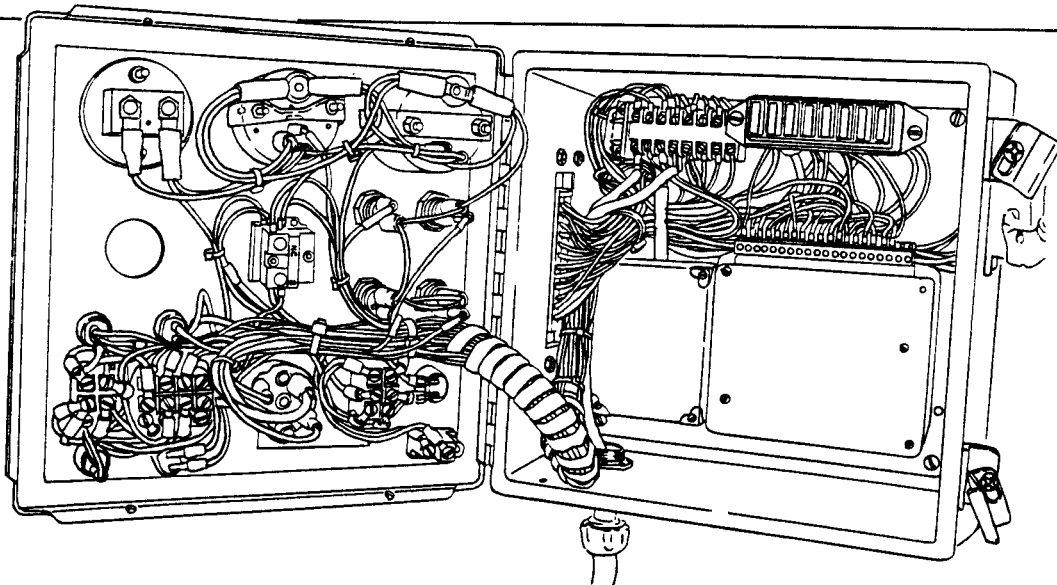
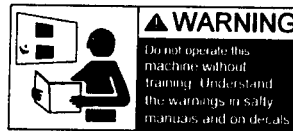
TRAILER MOUNTED PUMP MODEL B45
ILLUSTRATED PARTS MANUAL

B45
PARTS
GROUP 40
FIGURE 07
PAGE 01

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REED TRAILER MOUNTED CONCRETE PUMP MODEL **B45** ILLUSTRATED PARTS MANUAL GROUP 50 CONTROLS INSTALLATION CONTAINS THE FOLLOWING FIGURES:

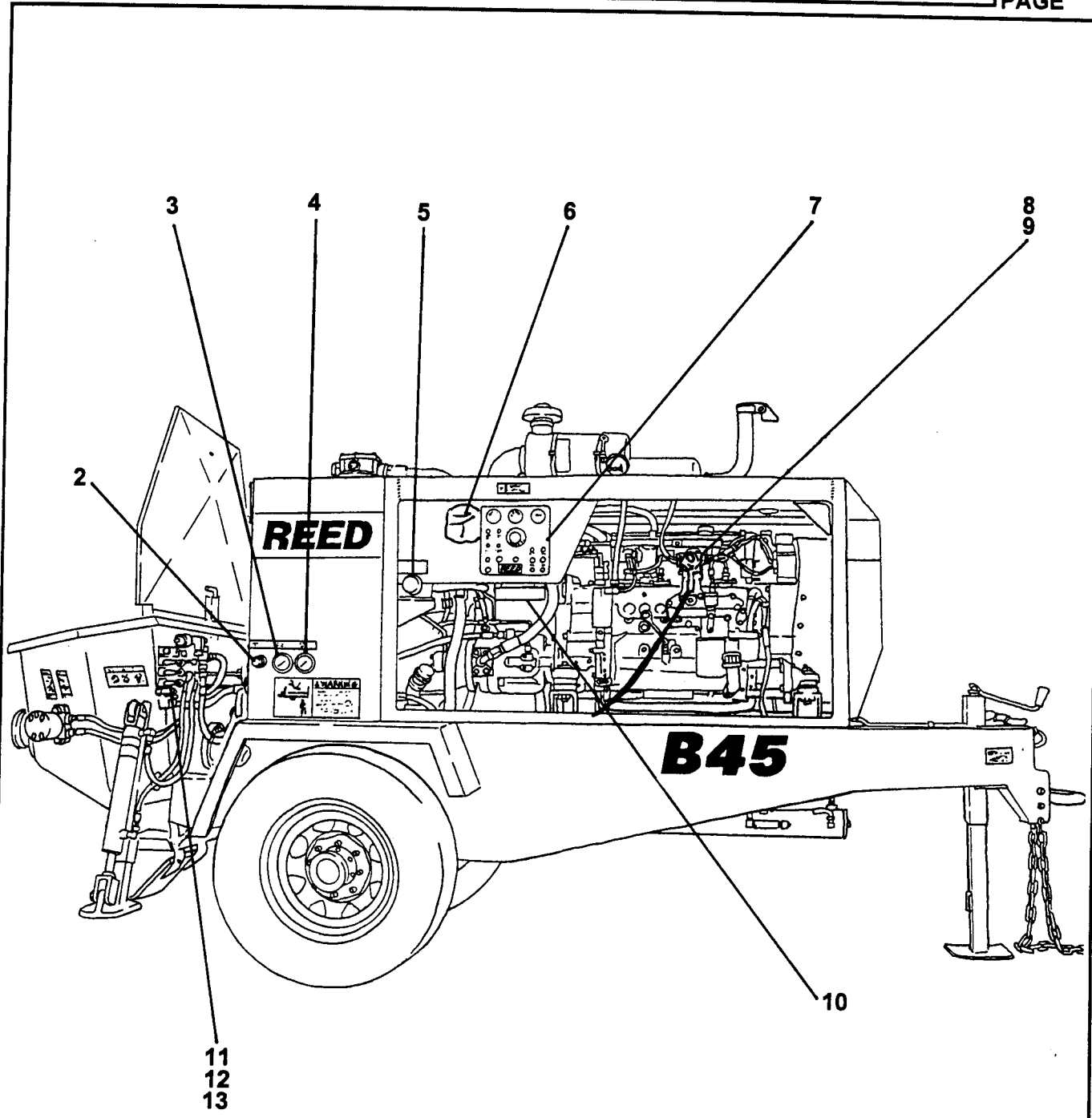
- FIGURE 00 TABLE OF CONTENTS
- FIGURE 01 CONTROLS INSTALLATION
- FIGURE 02 CONTROL BOX ASSEMBLY
- FIGURE 03 50 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 04 100 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 05 RADIO REMOTE CONTROL ASSEMBLY





CONTROL INSTALLATION

B45
PARTS
GROUP 50
FIGURE 01
PAGE 01



SHOWN MODEL
HARSH MIX HOPPER UNIT

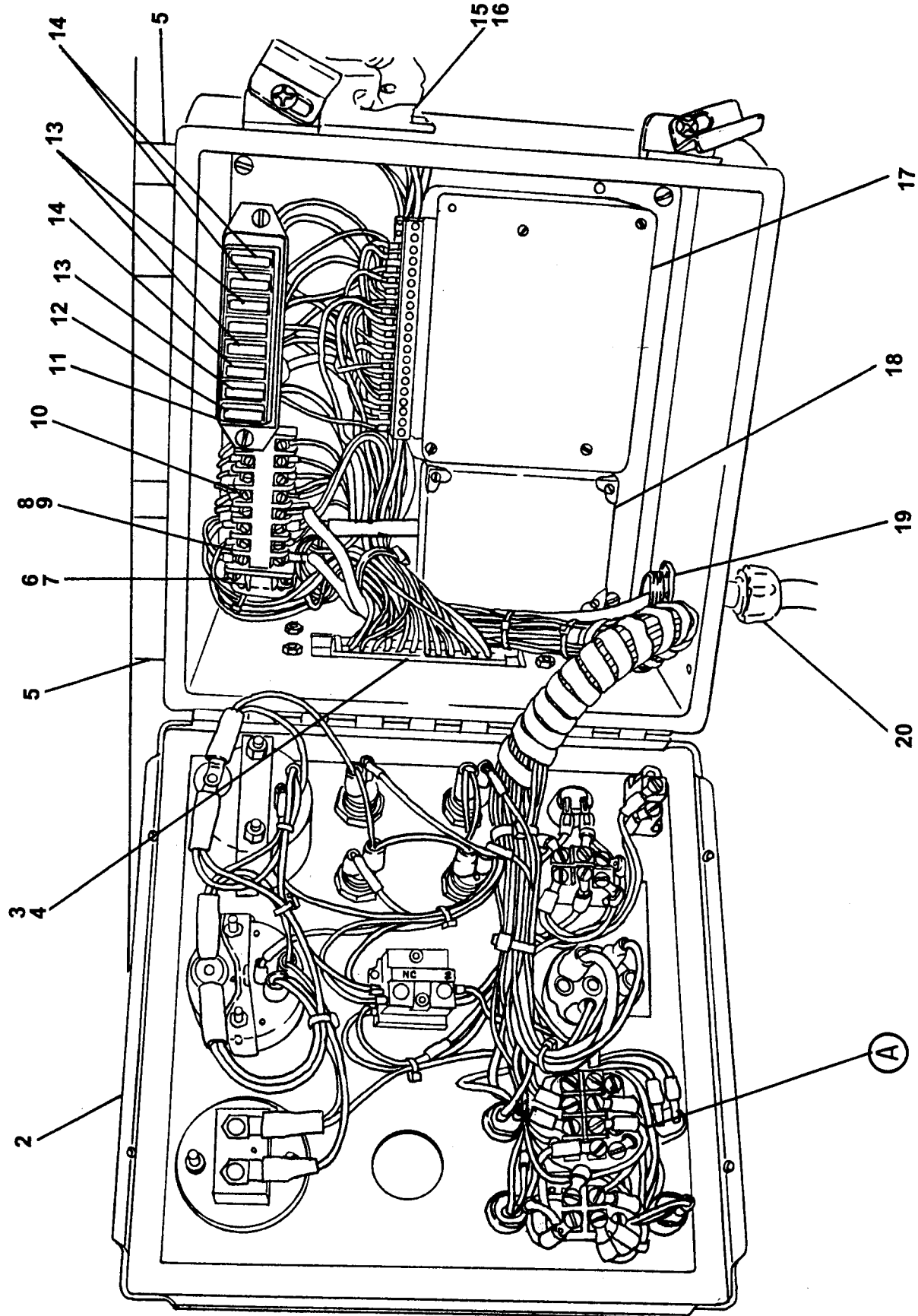
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	50-01	Installation, Control (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	78201	• Cable, Throttle Control (See Group 40, Figure 01 for REF)					1
3	70366	• Gauge, 3,000 PSI Hydraulic (See Group 30, Figure 02 for REF)					1
4	74562	• Gauge, 6,000 PSI Hydraulic (See Group 30, Figure 02 for REF)					1
5	85697	• Cartridge, Flow Control Valve (See Group 30, Figure 07 for REF)					1
6	800347	• Horn, 12 V					1
7	85358	• Assembly, Control Box (See Group 50, Figure 02 for DET)					1
8	85359	• Assembly, 50 Feet Cable Remote Control (See Group 50, Figure 03 for DET)					1
9	85359A	• Assembly, 100 Feet Cable Remote Control (See Group 50, Figure 04 for DET)					1
10	85818	• Assembly, Radio Remote Control (Optional Item) (See Group 50, Figure 05 for DET)					1
11	20-09	• Assembly, Agitator Control Valve (Optional Item) (See Group 20, Figure 04 for REF)					1
12	80-15	• Assembly, 2 Spool Valve (Optional Item) (See Group 80, Figure 15 for REF)					1
13	80-17	• Assembly, 3 Spool Valve (Optional Item) (See Group 80, Figure 17 for REF)					1

DASH (-) ITEM NOT ILLUSTRATED

REED

CONTROL BOX ASSEMBLY

B45
PARTS
GROUP 50
FIGURE 02
PAGE 01



REVISION:

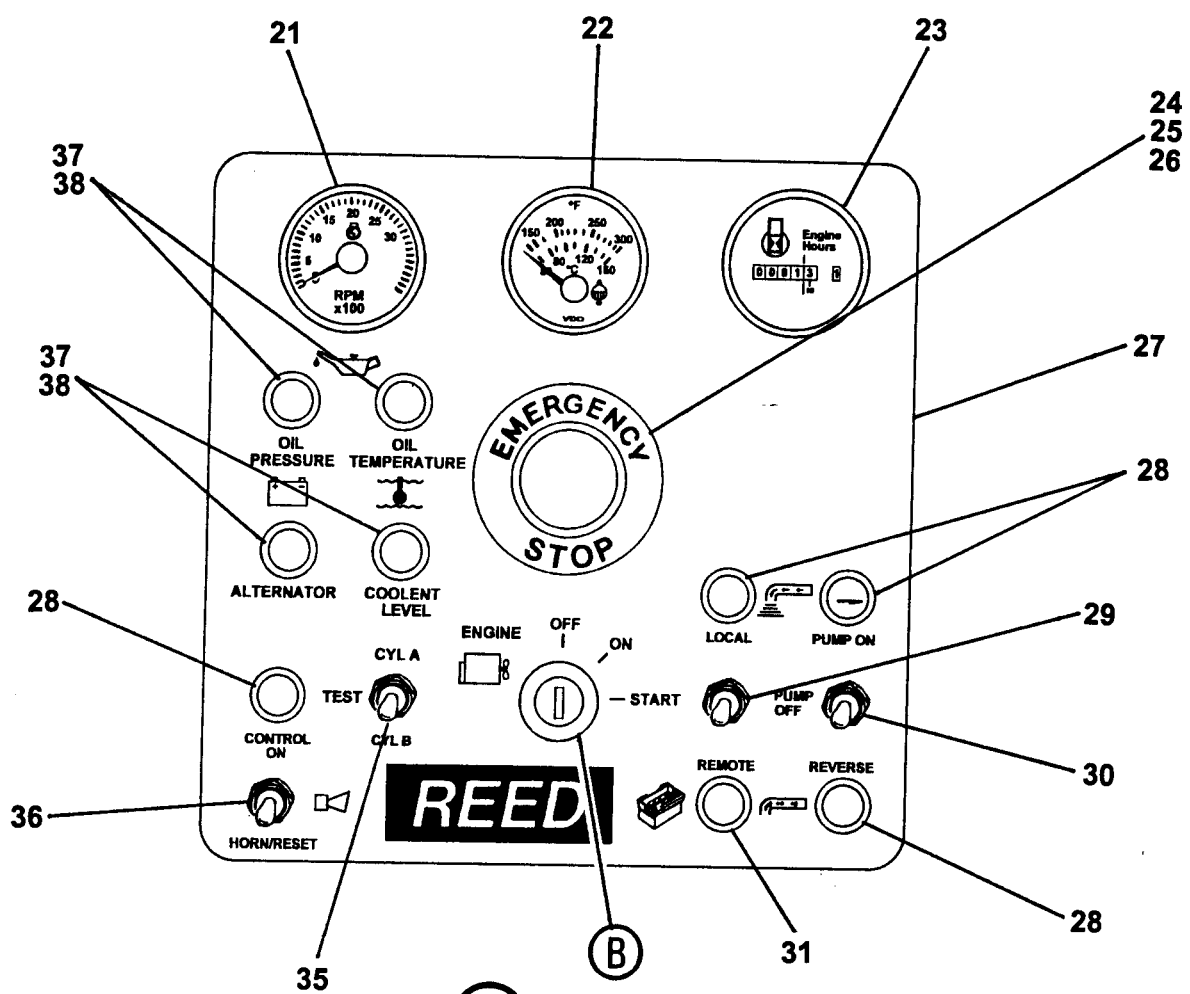
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85358	Assembly, Control Box (See Group 50, Figure 01 for NHA)					Ref
2	85400	• Box, Control					1
3	78696	• Insert, Connector					1
4	78697	• Base, Connector					1
5	73748	• Bumper					4
6	75654	• End, Barrier					1
7	72821	• Rail, 0.333 Feet Barrier					1
8	72820	• Terminal					8
9	72824	• Jumper					2
10	85354	• Block, Fuse					1
11	85419	• Stand Off					1
12	800447	• Fuse, 25					1
13	800449	• Fuse, 10					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

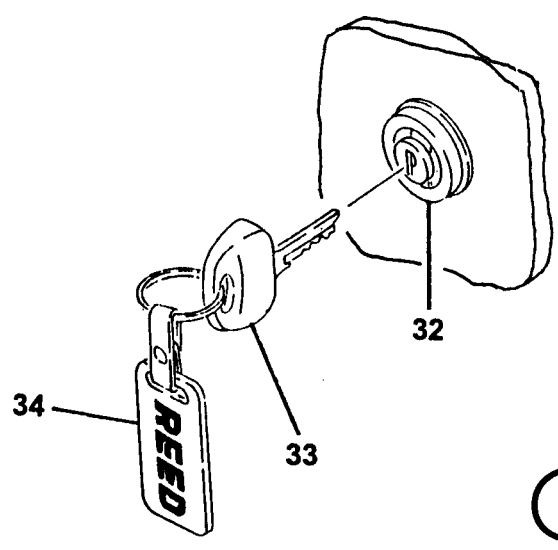


CONTROL BOX ASSEMBLY

B45
PARTS
GROUP 50
FIGURE 02
PAGE 03



(A)



(B)

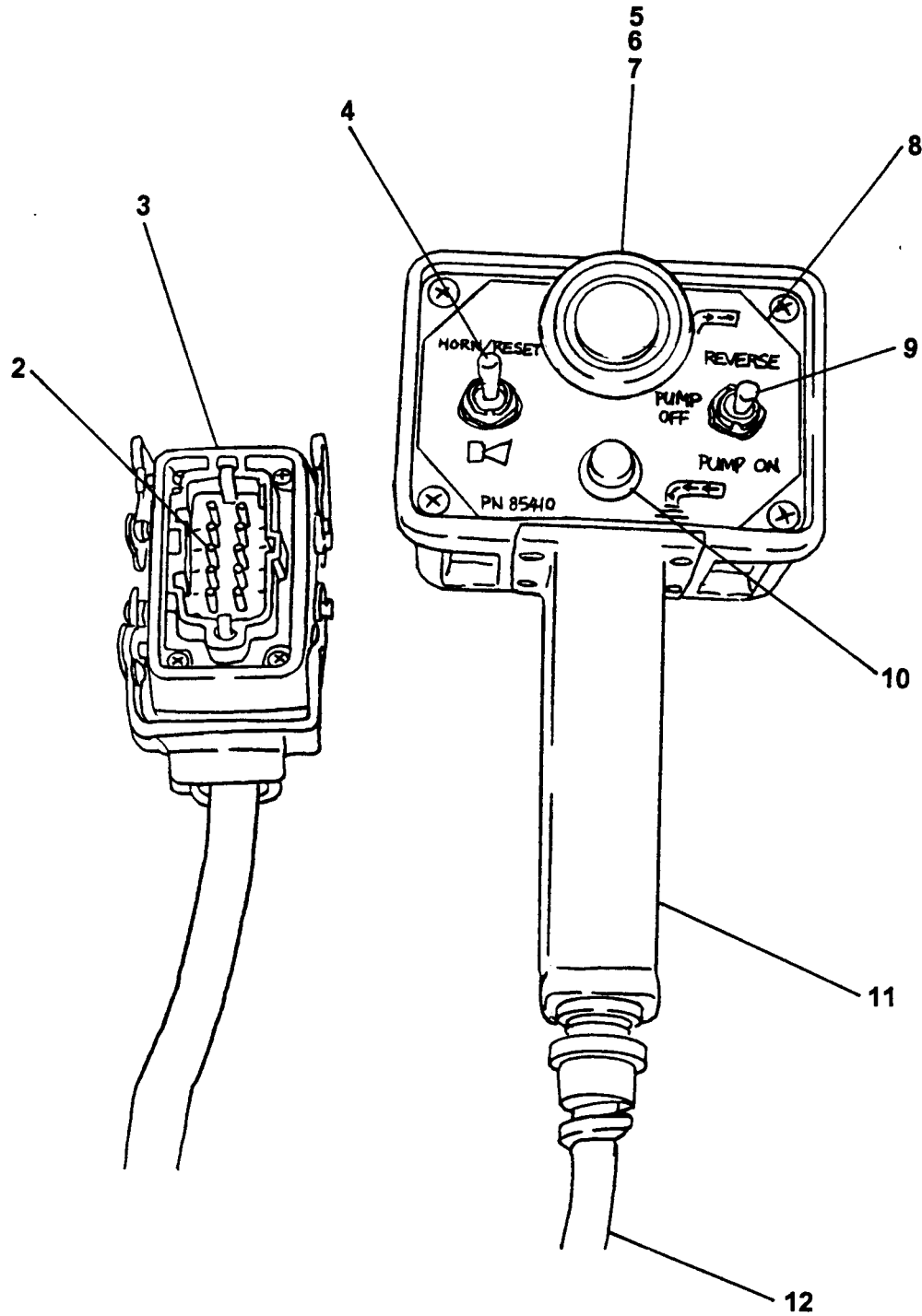
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
21	78687	• Tachometer					1
22	78203	• Gauge, Water Temperature					1
23	74240	• Meter, Engine Hour					1
24	85342	• Operator, Emergency Stop					1
25	85343	• Block, Contact					1
26	85344	• Bulb, Emergency Stop					1
27	85332	• Decal, B45 Control Box					1
28	85355	• Pilot, Light					4
29	78563	• Switch, Local / Remote					1
30	72003	• Switch, Pump On / Reverse					1
31	85356	• Pilot, Light					1
32	71154	• Switch, Ignition					1
33	71155	• • Key (Pair)					1
34	72862	• Gauge, Proximity Switch					1
35	85346	• Switch, CYL A / CYL B					1
36	85347	• Switch, Horn / Reset					1
37	73775	• Indicator, Red Light 14 VDC					4
38	72022	• Bulb, Indicator					4
-39	86533	• Assembly, Trailer Wiring Harness (See Schematic Section, Page 16 for REF)					1
-40	85396	• Assembly, Engine Wiring Harness (See Schematic Section, Page 15 for REF)					1

DASH (-) ITEM NOT ILLUSTRATED

REED

50 FEET CABLE REMOTE CONTROL ASSEMBLY

B45
PARTS
GROUP 50
FIGURE 03
PAGE 01



REVISION:

REED**50 FEET CABLE
REMOTE CONTROL ASSEMBLY****B45
PARTS
GROUP 50
FIGURE 03
PAGE 02**

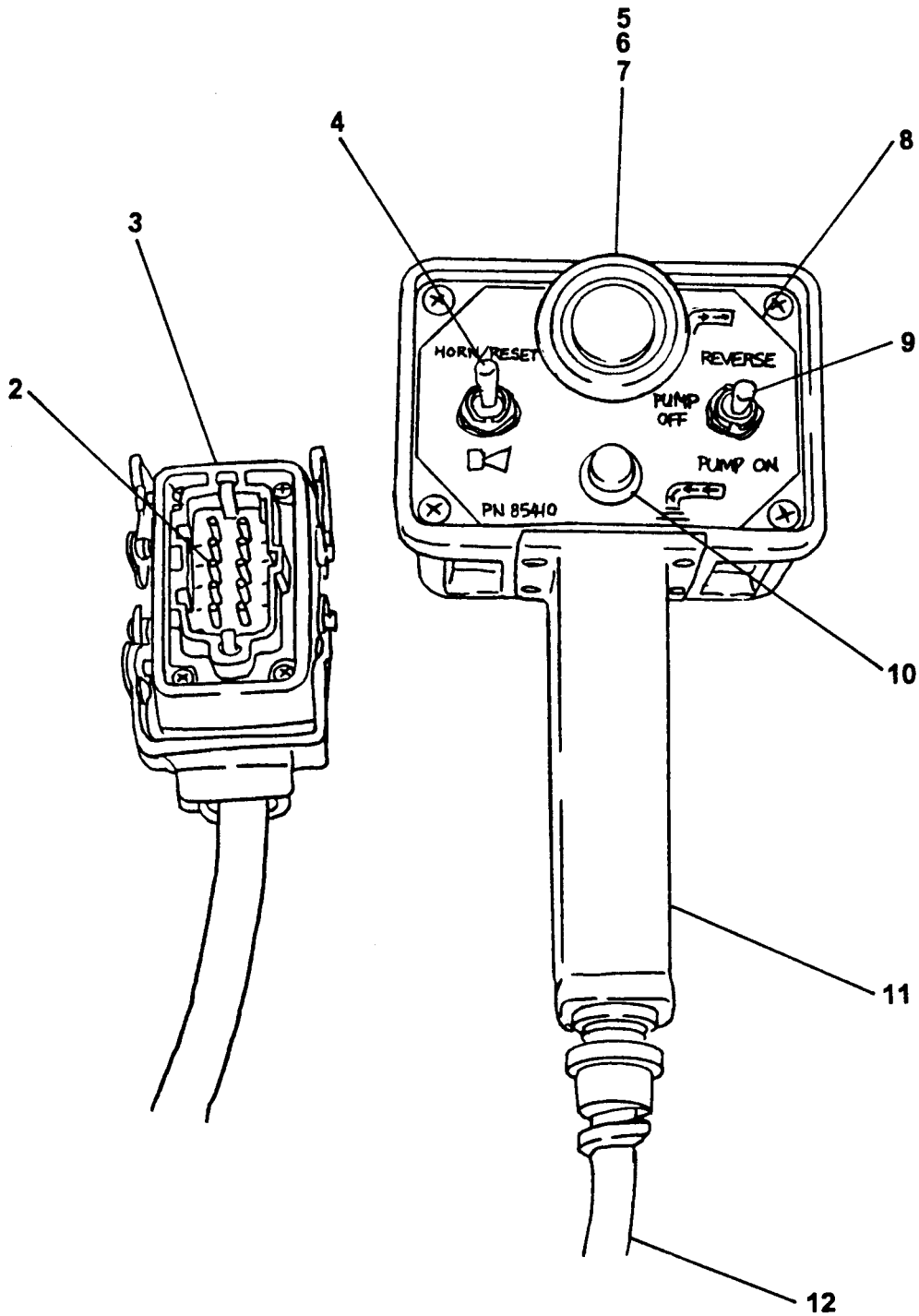
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85359	Assembly, 50 Feet Cable Remote Control (See Group 50, Figure 01 for NHA)	Ref
2	79964	• Connector, Insert	1
3	79966	• Connector, Hood	1
4	85347	• Switch, Horn / Reset	1
5	85342	• Operator, Emergency Stop	1
6	85343	• Block, Contact	1
7	85344	• Bulb, Emergency Stop	1
8	85410	• Decal, B45 Remote Control Box	1
9	72003	• Switch, Pump On / Reverse	1
10	85355	• Pilot, Light	1
11	71999	• Pistol, Grip	1
12	85620	• Cable, 50 Feet Remote Control	1

DASH (-) ITEM NOT ILLUSTRATED

REED

100 FEET CABLE REMOTE CONTROL ASSEMBLY

B45
PARTS
GROUP 50
FIGURE 04
PAGE 01



REVISION:



**100 FEET CABLE
REMOTE CONTROL ASSEMBLY**

**B45
PARTS
GROUP 50
FIGURE 04
PAGE 02**

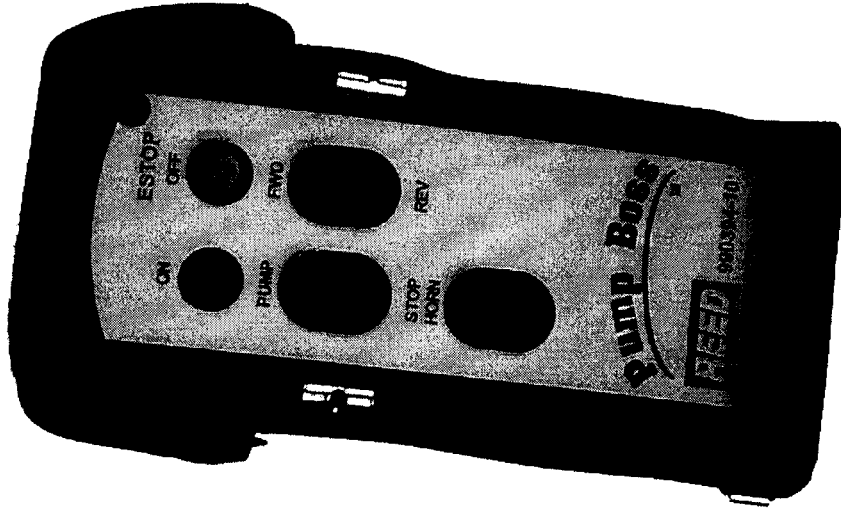
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85359A	Assembly, 100 Feet Cable Remote Control (See Group 50, Figure 01 for NHA)					Ref
2	79964	• Connector, Insert					1
3	79966	• Connector, Hood					1
4	85347	• Switch, Horn / Reset					1
5	85342	• Operator, Emergency Stop					1
6	85343	• Block, Contact					1
7	85344	• Bulb, Emergency Stop					1
8	85410	• Decal, B45 Remote Control Box					1
9	72003	• Switch, Pump On / Reverse					1
10	85355	• Pilot, Light					1
11	71999	• Pistol, Grip					1
12	85816	• Cable, 100 Feet Remote Control					1

DASH (-) ITEM NOT ILLUSTRATED

REED

**OPTIONAL RADIO REMOTE
CONTROL ASSEMBLY**

**B45
PARTS
GROUP 50
FIGURE 05
PAGE 01**



REVISION:

REED

**OPTIONAL RADIO REMOTE
CONTROL ASSEMBLY**

B45
PARTS
GROUP 50
FIGURE 05
PAGE 02

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

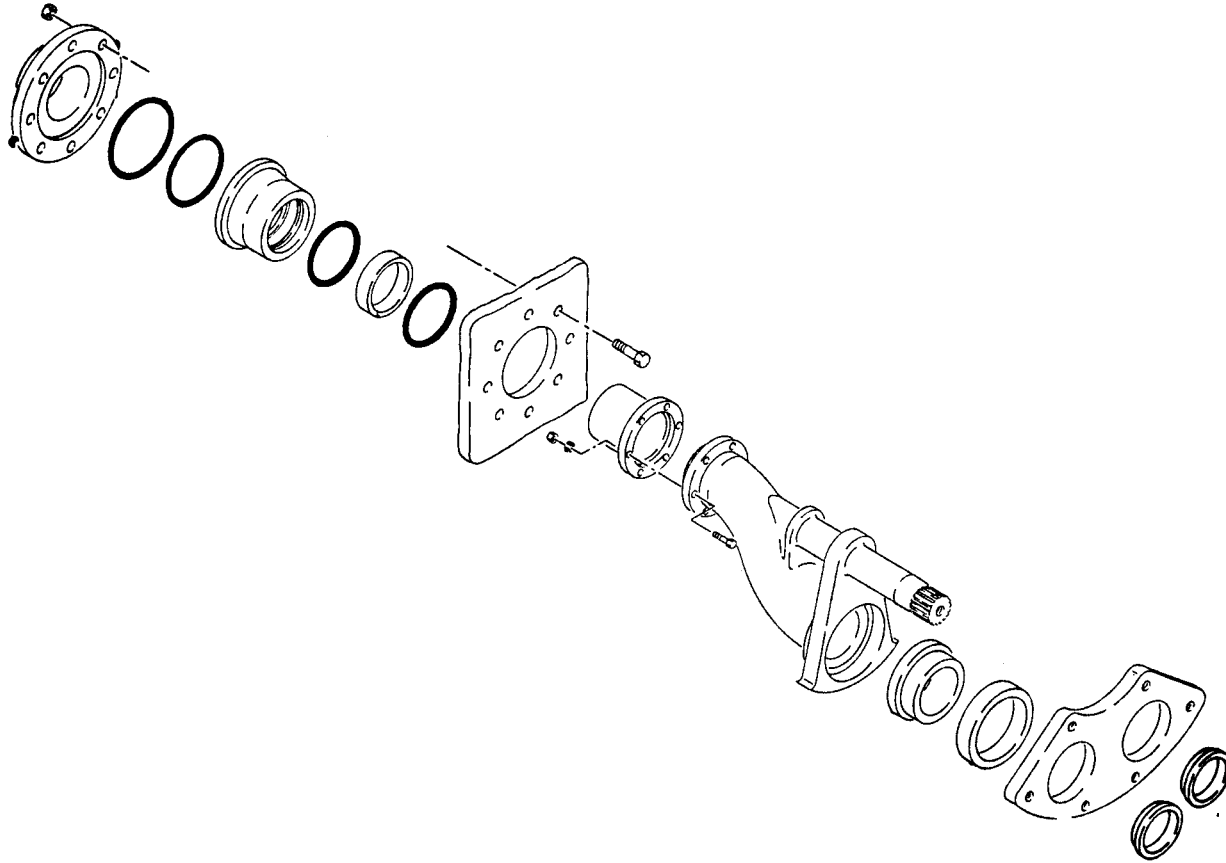
REVISION:

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**TRAILER MOUNTED PUMP MODEL B45
ILLUSTRATED PARTS MANUAL**

B45
PARTS
GROUP 50
FIGURE 06
PAGE 01

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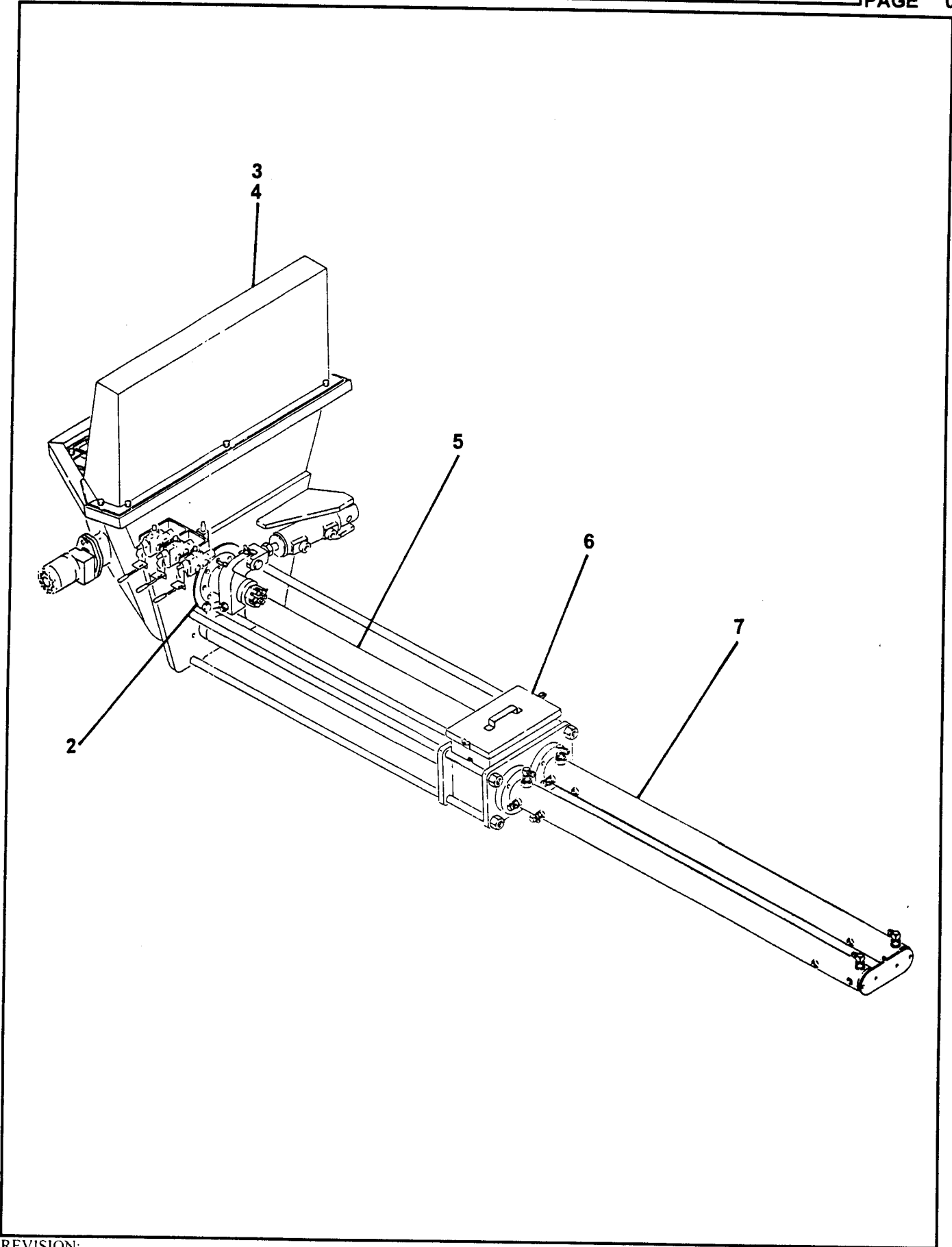
**REED TRAILER MOUNTED CONCRETE PUMP MODEL B45 ILLUSTRATED PARTS
MANUAL GROUP 60 PUMPING TRAIN INSTALLATION CONTAINS THE FOLLOWING
FIGURES:**

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



PUMPING TRAIN INSTALLATION

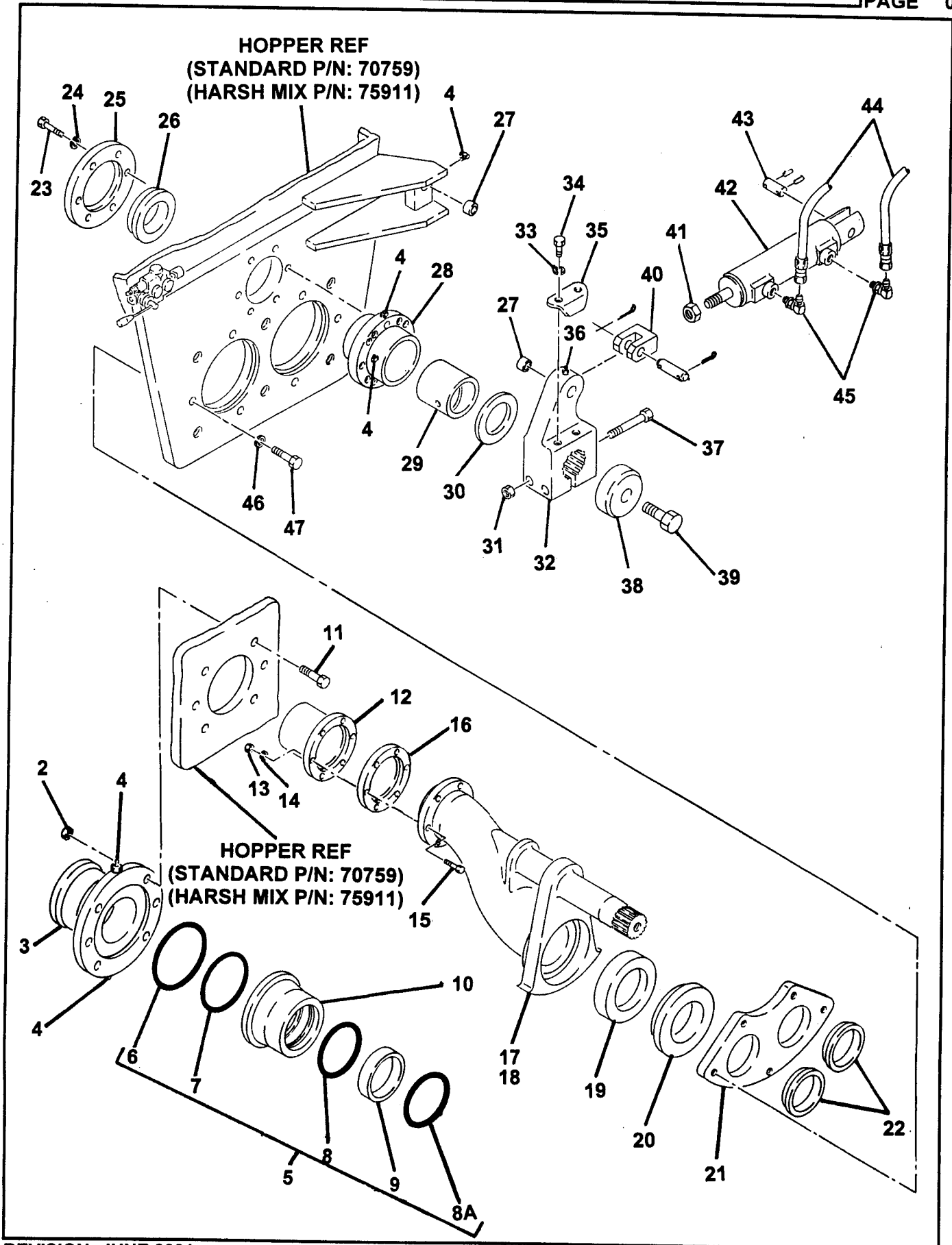
B45
PARTS
GROUP 60
FIGURE 01
PAGE 01



REVISION:

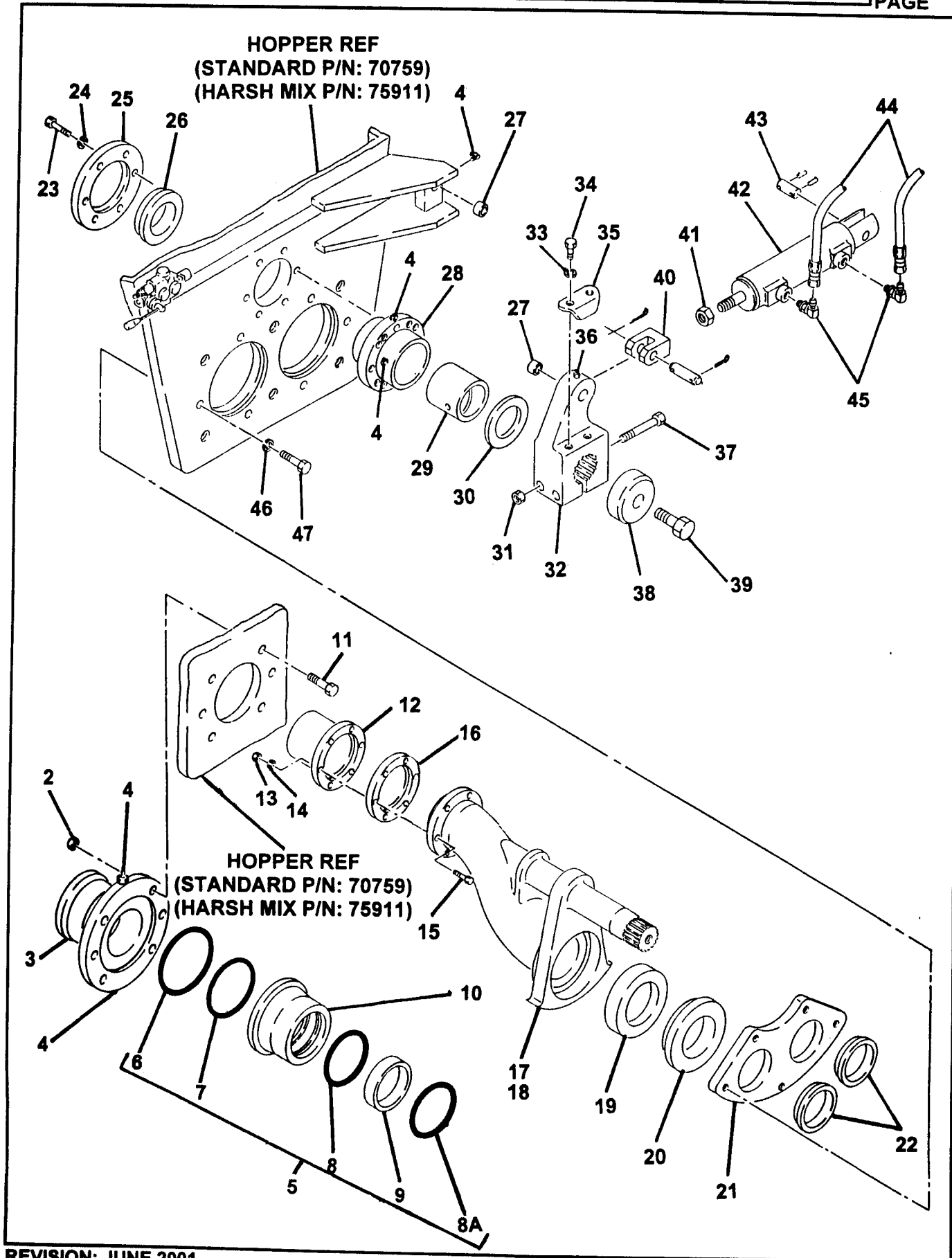
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-01	Installation, Pumping Train (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	60-02	• Assembly, Swing Valve (See Group 60, Figure 02 for DET)					1
3	20-01	• Installation, Standard Hopper (See Group 20, Figure 01 for REF)			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

DASH (-) ITEM NOT ILLUSTRATED



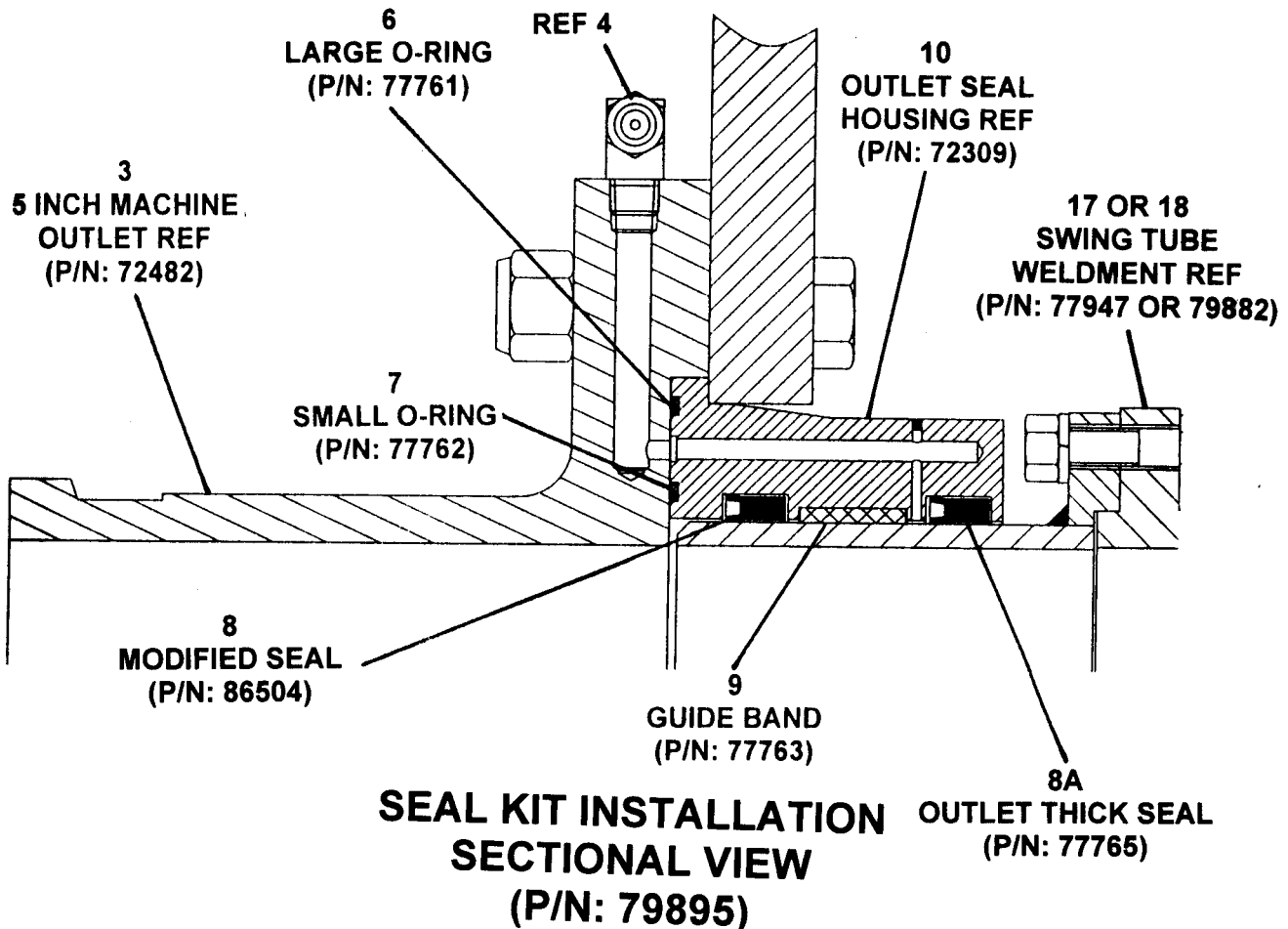
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-02	Assembly, Swing Valve (See Group 60, Figure 01 for NHA)					Ref
2		• Nut					6
3	72482	• Outlet, Machine 5"					1
4		• Fitting, Grease 90					5
5	79895	• Kit, Outlet Seal					1
6	77761	• • O-Ring, Large					1
7	77762	• • O-Ring, Small					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)					6
14		• Washer, Lock (attaching parts)					6
15		• Bolt, Hex (attaching parts)					6
16	73408	• Flange, Extension					1
17	77947	• Weldment, Standard Hopper Swing Tube					1
18	79882	• Weldment, Harsh Mix Hopper Swing Tube					1
19	72311	• Ring, Thrust					1
20	72310	• Ring, Cutting					1
21	77852	• Plate, Wear					1
22	70047	• Ring, Anti Chip					2
23		• Bolt, Hex					4
24		• Washer, Lock					4
25	77398	• Retainer					1
26	75418	• Seal, Swing Tube					1
27	71011	• Race, Inner					2
28	77948	• Bearing, Flange					1
29	77949	• Bushing, Bronze					1
30	75506	• Washer, Thrust					1
31		• Nut					2
32	73476	• Crank, Bell					2
33		• Washer, Lock					2
34		• Bolt, Hex					1

DASH (-) ITEM NOT ILLUSTRATED



ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
35	73478	• Retainer, Bolt					1
36		• Fitting, Grease STR					1
37		• Bolt, Hex					2
38	77706	• Washer, Retainer					1
39	78060	• Bolt, Swing Tube					1
40	75260	• Kit, Clevis Pin					1
41		• Nut, Hex					1
42	75087	• Sub-Assembly, Swing Ram Cylinder (See Group 60, Figure 03 for DET)					1
43	74207	• Clevis					1
44	79727	• Assembly, B45 Hose (See Schematic Section, Page 17 for REF)					1
45		• Fitting, 90					2
46		• Washer, Lock					6
47		• Bolt, Hex					6

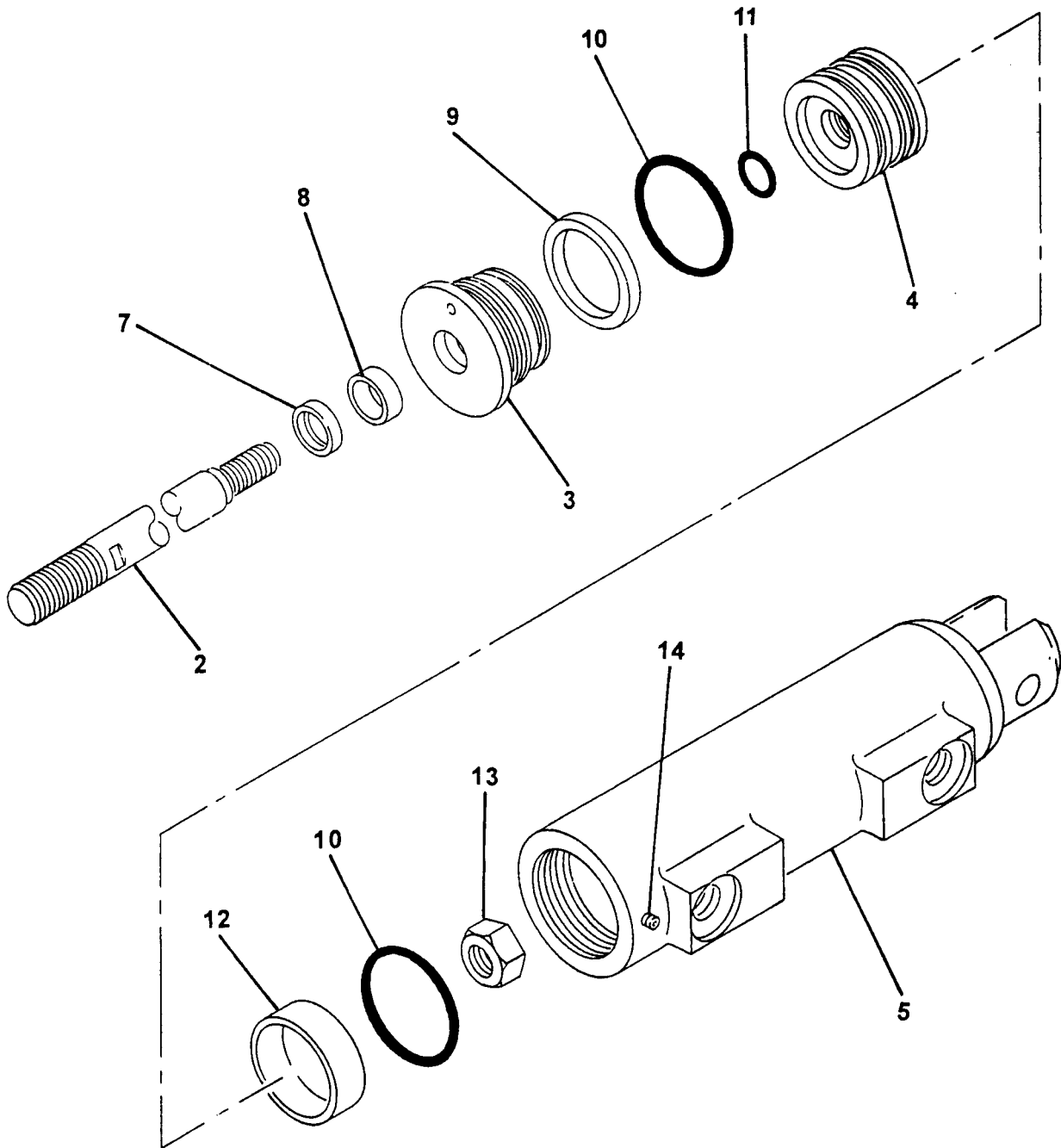
DASH (-) ITEM NOT ILLUSTRATED





SWING RAM CYLINDER SUB-ASSEMBLY

B45
PARTS
GROUP 60
FIGURE 03
PAGE 01



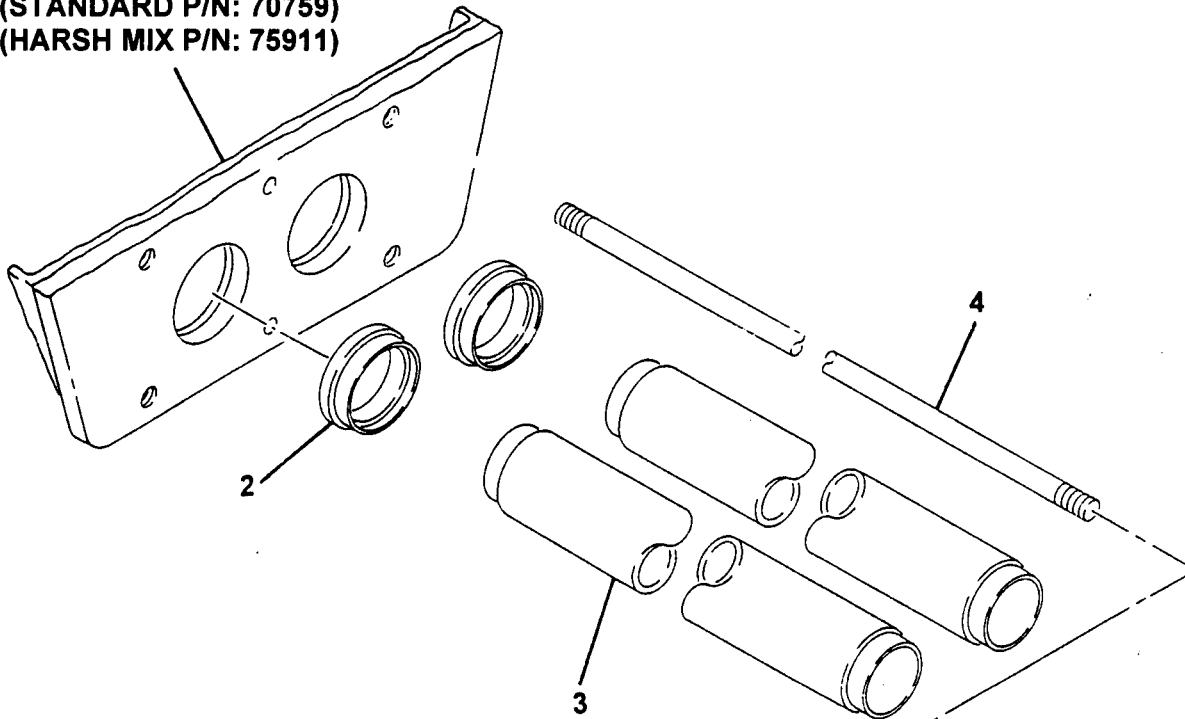
REED**SWING RAM CYLINDER
SUB-ASSEMBLY****B45
PARTS
GROUP 60
FIGURE 03
PAGE 02**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	75087	Sub-Assembly, Swing Ram Cylinder (See Group 60, Figure 03 for NHA)					Ref
2		• Rod, Cylinder					1
3		• Retainer, Seal					1
4		• Piston					1
5		• Weldment, Cylinder Barrel					1
-6	75102	• Kit, Seal					1
7		• • Wiper, Rod					1
8		• • Seal, Rod					1
9		• • Seal, Static					1
10		• • Seal, Piston					2
11		• • Seal, Static					1
12		• • Ring, Wear					1
13		• • Nut, Piston					1
14		• • Screw, Allen Head					1

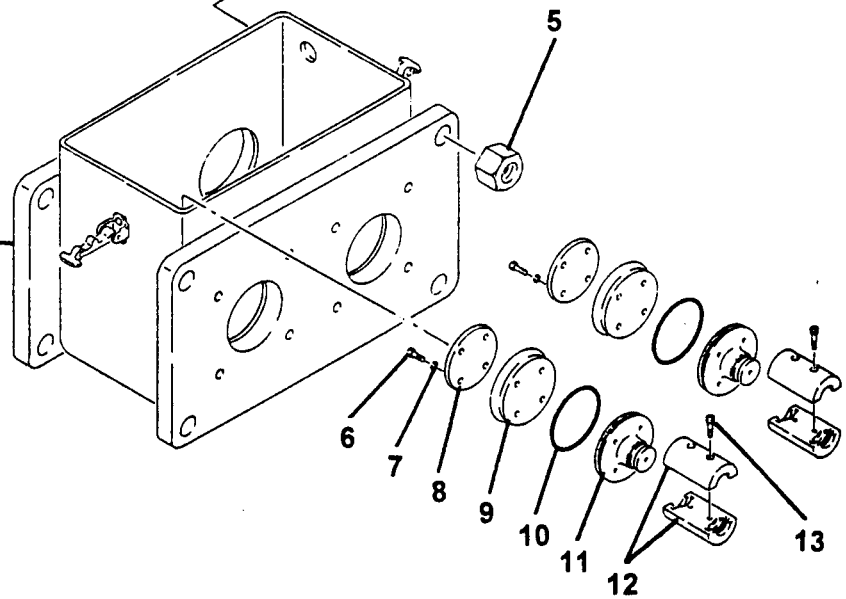
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

HOPPER REF
(STANDARD P/N: 70759)
(HARSH MIX P/N: 75911)



FLUSHBOX REF
(P/N: 73498)



REED**CONCRETE CYLINDER ASSEMBLY****B45**
PARTS
GROUP 60
FIGURE 04
PAGE 02

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

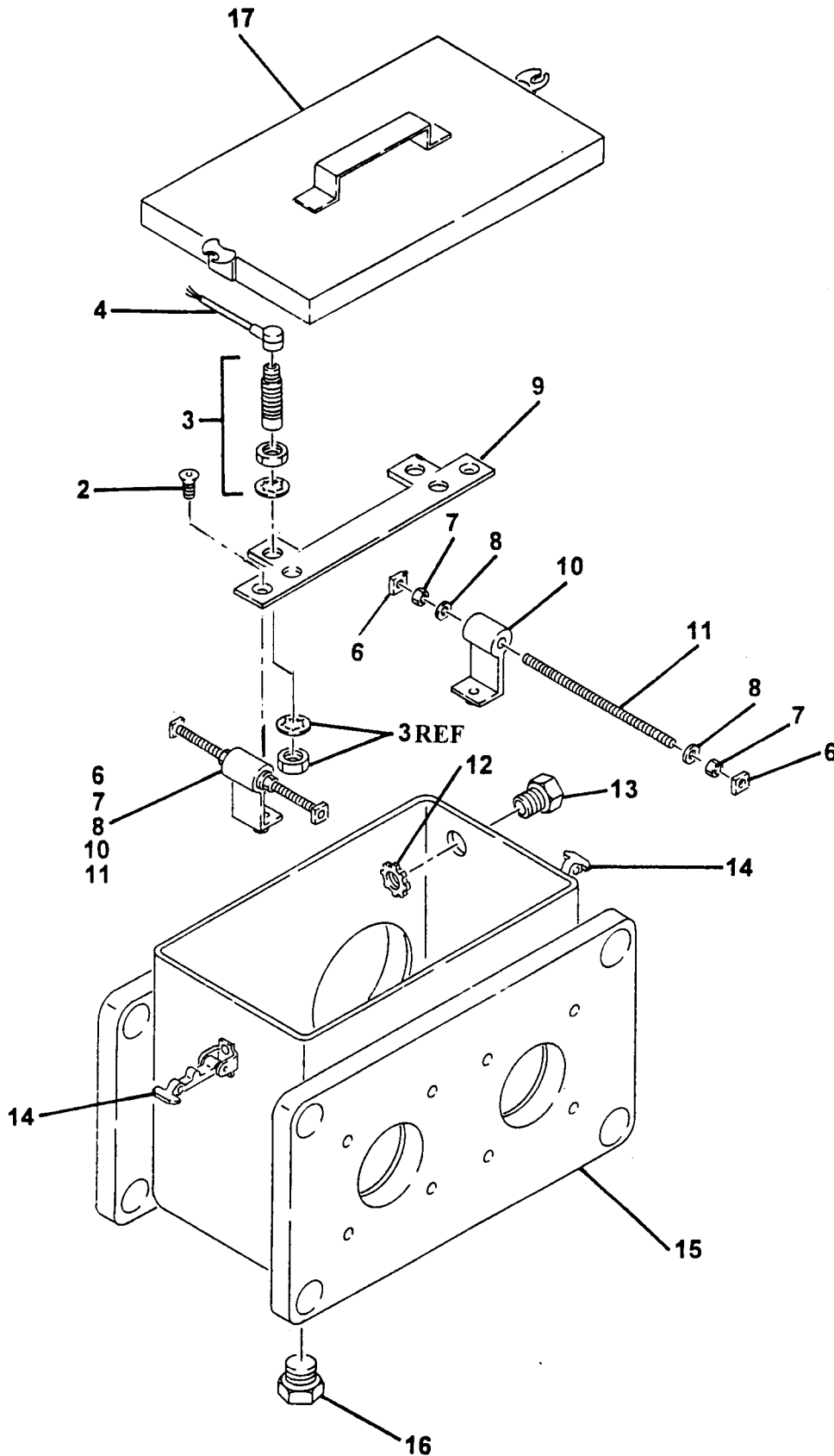
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

FLUSHBOX ASSEMBLY

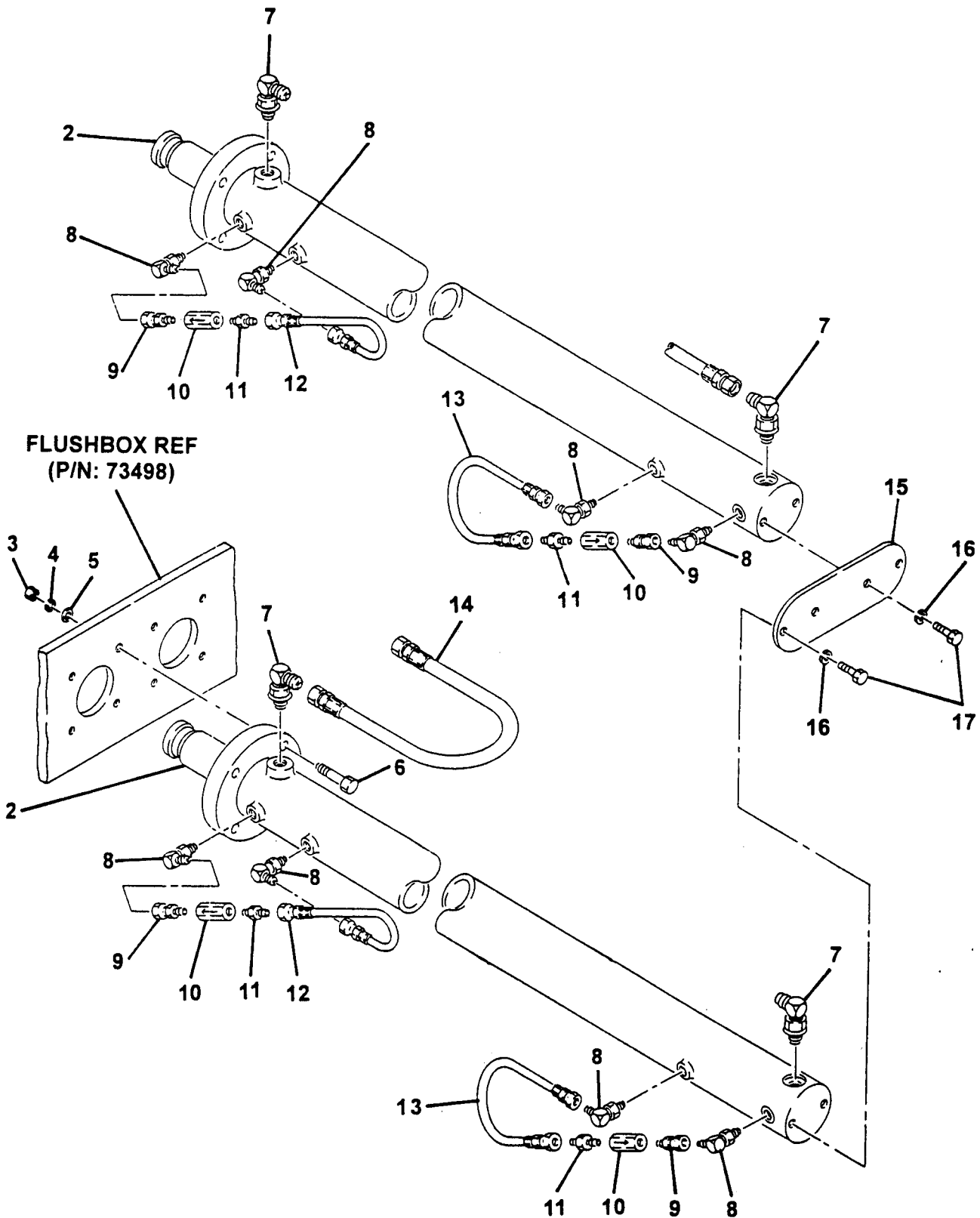
B45
PARTS
GROUP 60
FIGURE 05
PAGE 01



REVISION:

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





HYDRAULIC DRIVE CYLINDER ASSEMBLY

B45
PARTS
GROUP 60
FIGURE 06
PAGE 02

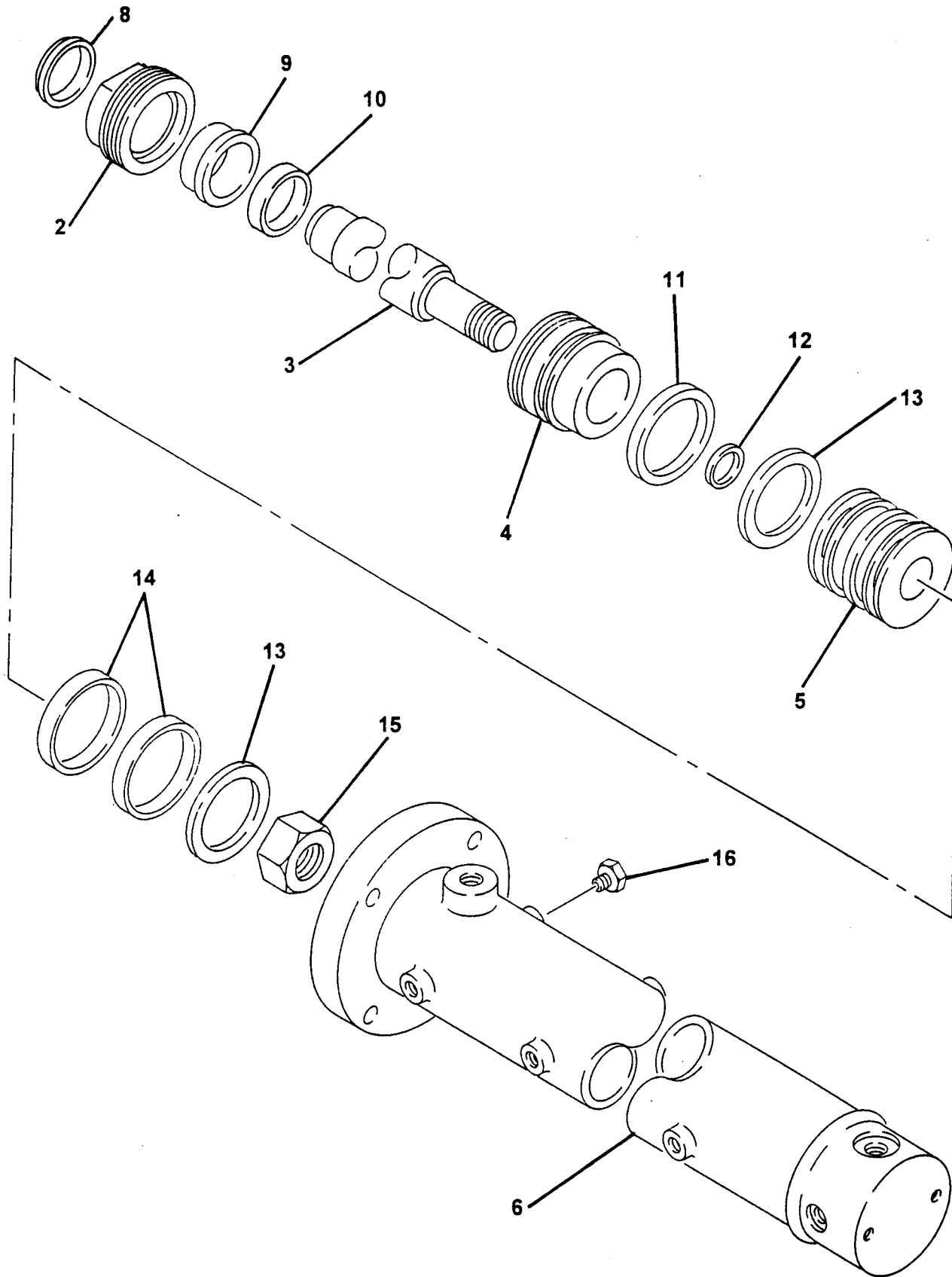
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-06	Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 01 for NHA)					Ref
2	79510	• Sub-Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 07 for DET)					1
3		• Nut, Hex (attaching parts)					8
4		• Washer, Lock (attaching parts)					8
5	77396	• Washer, Thread (attaching parts)					8
6		• Bolt (attaching parts)					8
7		• Fitting, 90					4
8		• Fitting, 90					8
9		• Fitting, STR					4
10	78961	• Valve, Check					4
11		• Fitting, STR					4
12	74615	• Assembly, Hose					2
13	79469	• Assembly, Hose					2
14	85427	• Assembly, Tube					1
15	79561	• Plate, End					1
16		• Washer, Lock (attaching parts)					4
17		• Bolt, Hex (attaching parts)					4

DASH (-) ITEM NOT ILLUSTRATED

REED

HYDRAULIC DRIVE CYLINDER SUB-ASSEMBLY

B45
PARTS
GROUP 60
FIGURE 07
PAGE 01



REVISION:

REED**HYDRAULIC DRIVE
CYLINDER SUB-ASSEMBLY****B45**
PARTS
GROUP 60
FIGURE 07
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

**TRAILER MOUNTED PUMP MODEL B45
ILLUSTRATED PARTS MANUAL**

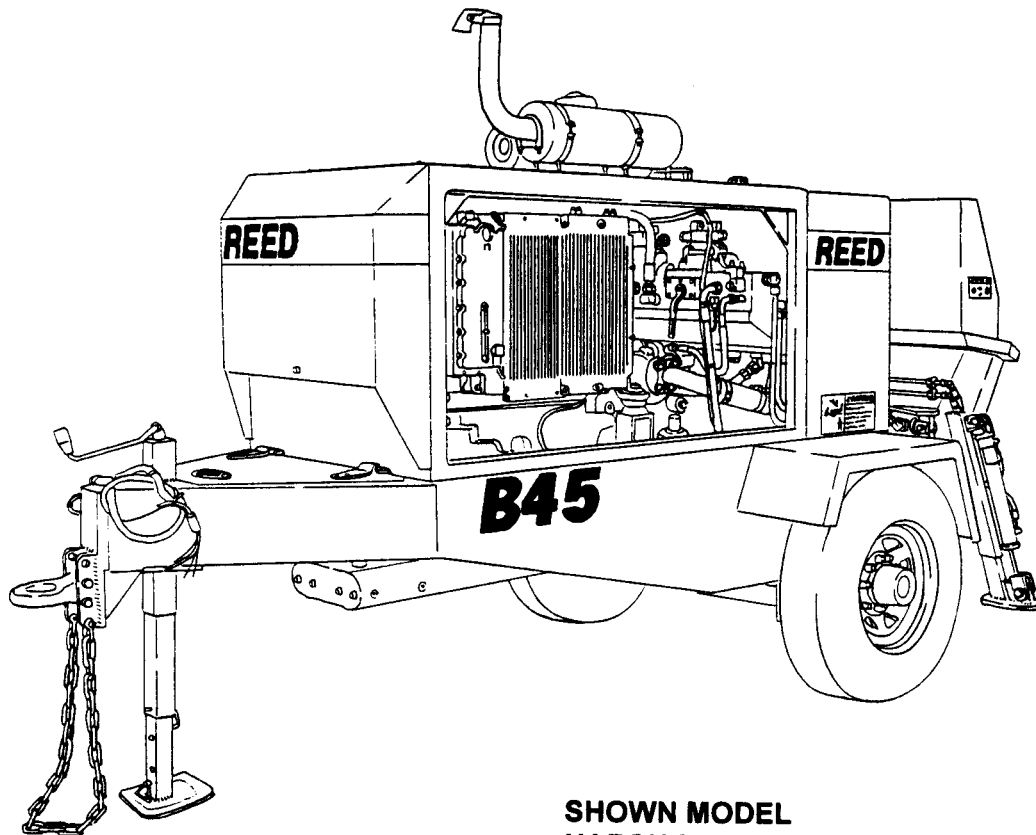
B45
PARTS
GROUP 60
FIGURE 08
PAGE 01

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REVISION:

REED TRAILER MOUNTED CONCRETE PUMP MODEL **B45** ILLUSTRATED PARTS MANUAL GROUP 70 FRAME INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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



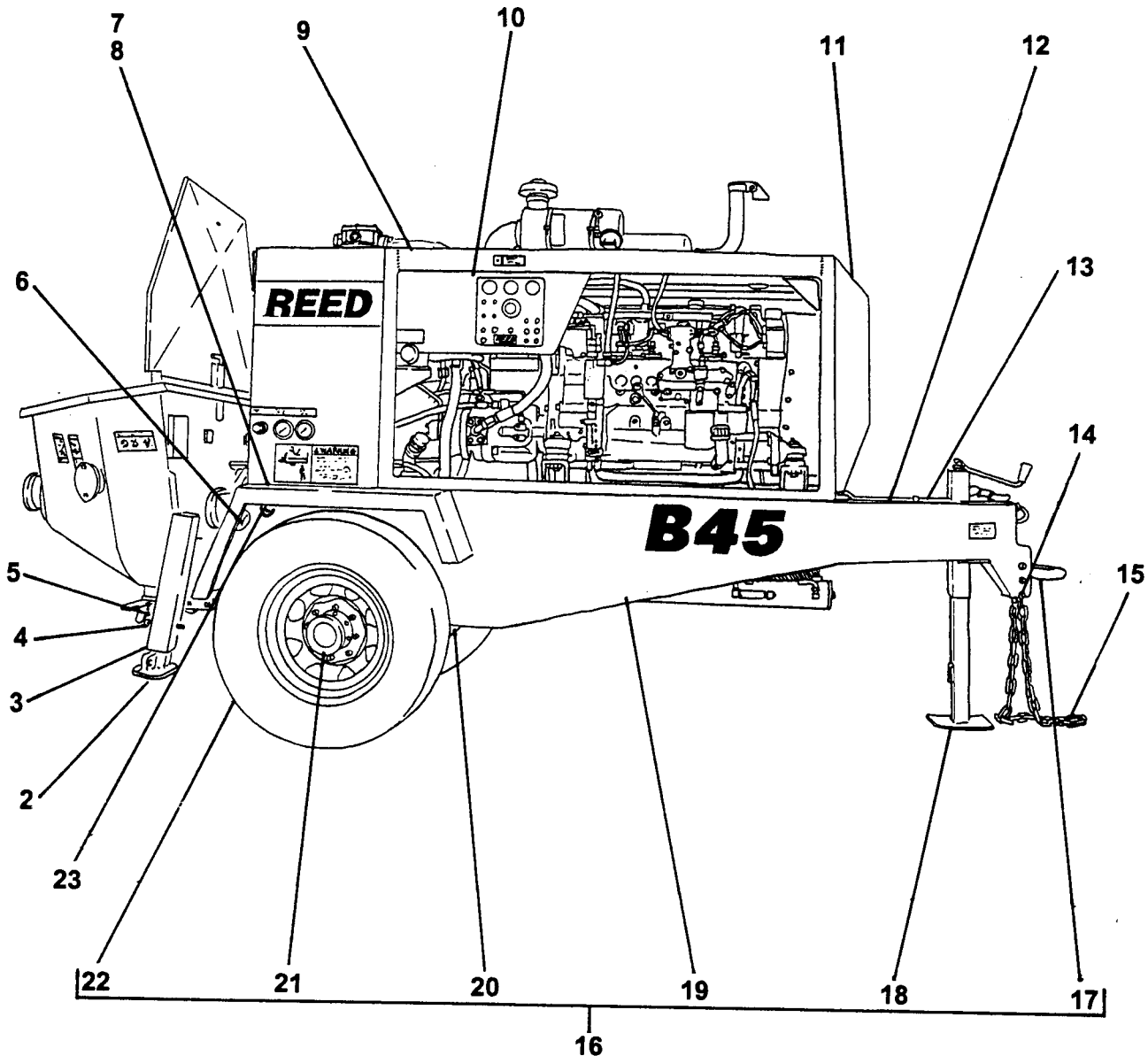
**SHOWN MODEL
HARSH MIX HOPPER UNIT**

REED

FRAME INSTALLATION

B45
PARTS
GROUP 70
FIGURE 01
PAGE 01

SHOWN MODEL
STANDARD HOPPER UNIT





FRAME INSTALLATION

B45
PARTS
GROUP 70
FIGURE 01
PAGE 02

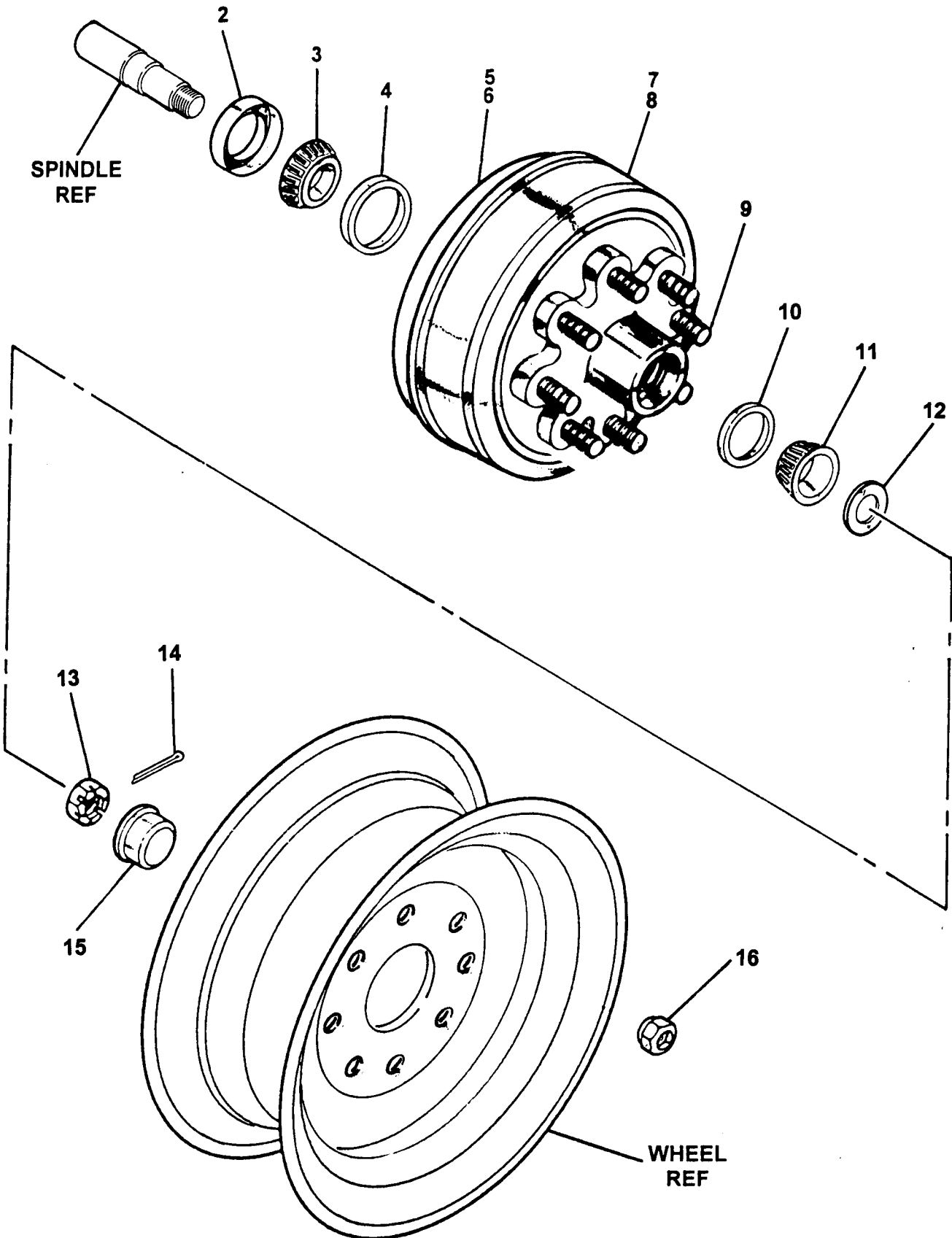
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	70-01	Installation, Frame (See Group 10, Figure 01 and Figure 02 for NHA)	Ref
2	85500	• Weldment, Outrigger Inner	2
3	85497	• Weldment, Outrigger Outer	2
4	85595	• Pin, Outrigger Safety	2
5	800418	• Lanyard, Q/R Pin	2
6	72948	• Light, Tail	2
7	85392	• Weldment, Right Fender	1
8	85393	• Weldment, Left Fender	1
9	85115	• Weldment, Lifting Structure	1
10	85391	• Cover, Control Box	1
11	85401	• Cover, Front	1
12	85338	• Cover, Tool Box	1
13	86533	• Assembly, Trailer Wiring Harness (See Schematic Section, Page 16 for REF)	1
14	71049	• Clevis, Double	2
15	71048	• Chain, 36 LK CWR	1
16	85365	• Assembly, Frame	1
17	71051	• • Lunette, 3 Inch Eye	1
18	85527	• • Weldment, Jack	1
19	85103	• • Weldment, Frame	1
20	85424	• • Axle	1
21	70-02	• • Assembly, Hub and Brake (See Group 70, Figure 02 for DET)	1
22	85423	• • Assembly, Wheel and Tire	2
23	71949	• Grommet, Trailer	3

DASH (-) ITEM NOT ILLUSTRATED

REED

HUB AND BRAKE ASSEMBLY

B45
PARTS
GROUP 70
FIGURE 02
PAGE 01



REVISION:

REED**HUB AND BRAKE ASSEMBLY****B45**
PARTS
GROUP 70
FIGURE 02
PAGE 02

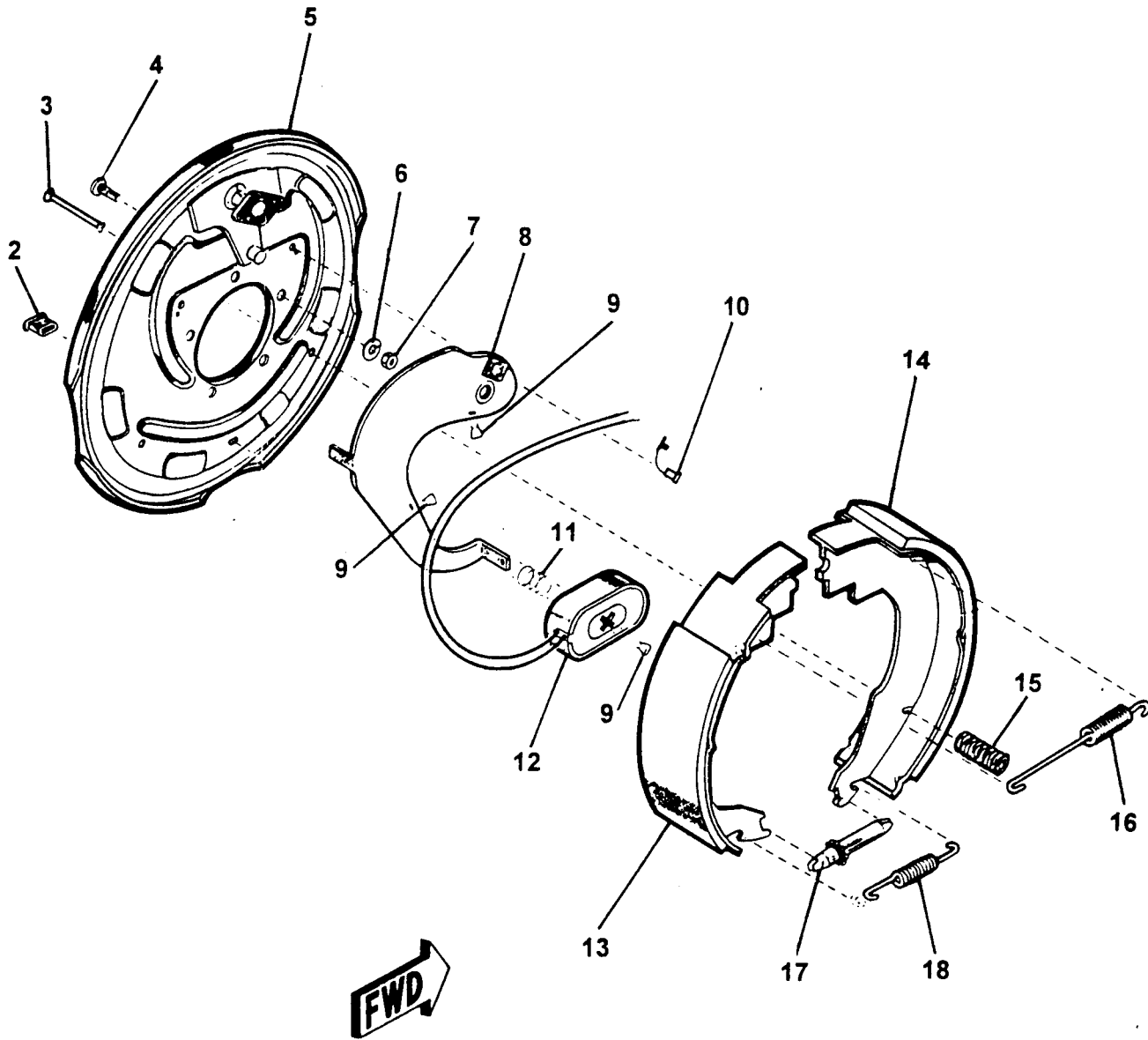
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	70-02	Assembly, Hub and Brake (See Group 70, Figure 01 for NHA)					Ref
2	71095	• Seal, Grease					1
3	71094	• Bearing, Inner					1
4	71092	• Cup, Inner Bearing					1
5	71056-L	• Assembly, Non-Operator Electric Brake (See Group 70, Figure 03 for DET)					1
6	71056-R	• Assembly, Operator Electric Brake (See Group 70, Figure 04 for DET)					1
7	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

REED

NON OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B45
PARTS
GROUP 70
FIGURE 03
PAGE 01



REVISION:

REED**NON OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY****B45
PARTS
GROUP 70
FIGURE 03
PAGE 02**

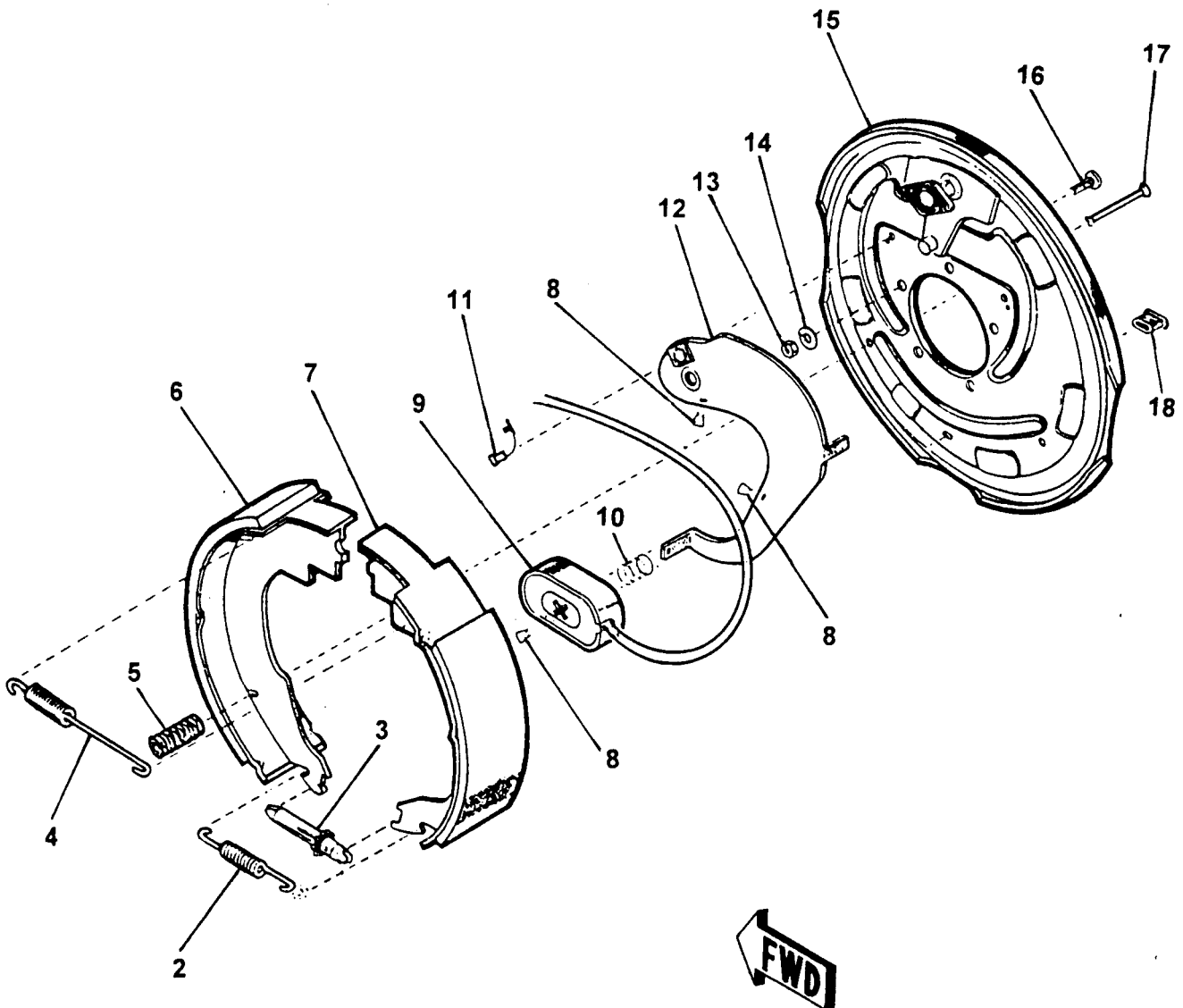
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	71056-L	Assembly, Non-Operator Side Electric Brake (See Group 70, Figure 02 for NHA)					Ref
2		• Slot, Plug Adjust					1
3		• Pin, Shoe Hold down					1
4		• Stud, Brake Mounting					5
5		• Assembly, Baking Plate					1
6		• Washer, Brake Lock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

DASH (-) ITEM NOT ILLUSTRATED

REED

OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B45
PARTS
GROUP 70
FIGURE 04
PAGE 01



REVISION:

REED**OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY****B45
PARTS
GROUP 70
FIGURE 04
PAGE 02**

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

DASH (-) ITEM NOT ILLUSTRATED

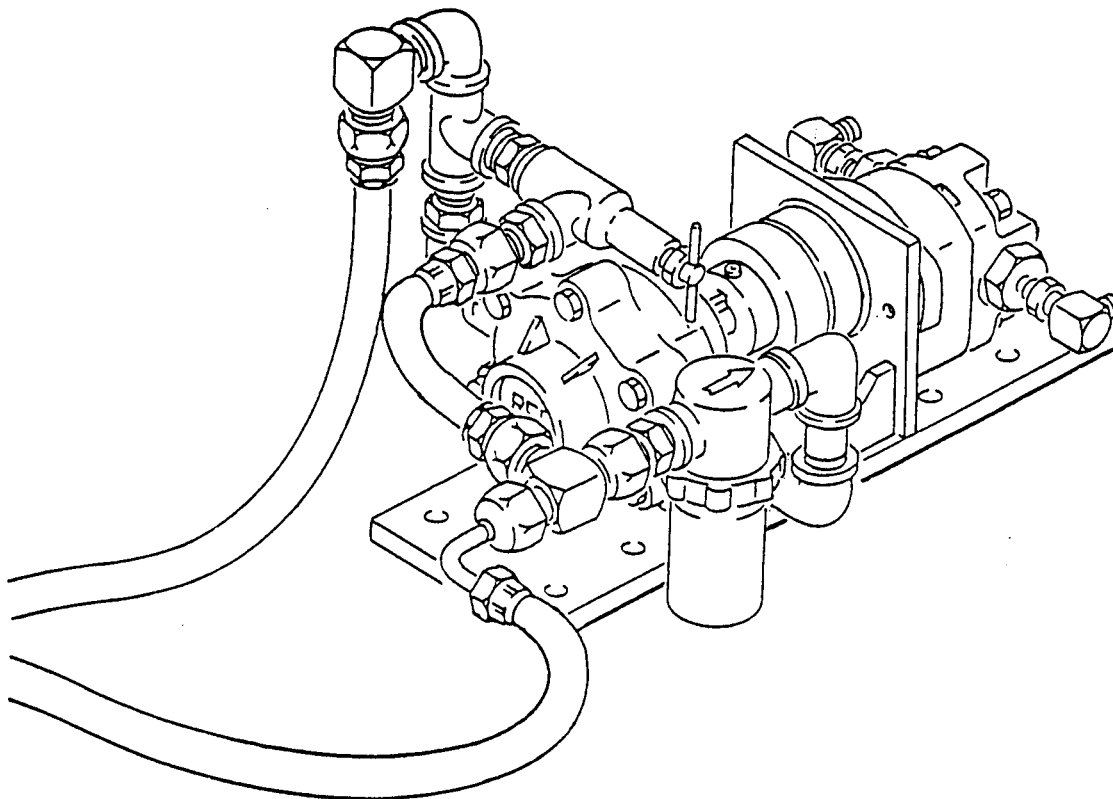
REVISION:

REED

**TRAILER MOUNTED PUMP MODEL B45
ILLUSTRATED PARTS MANUAL**

B45
PARTS
GROUP 70
FIGURE 05
PAGE 01

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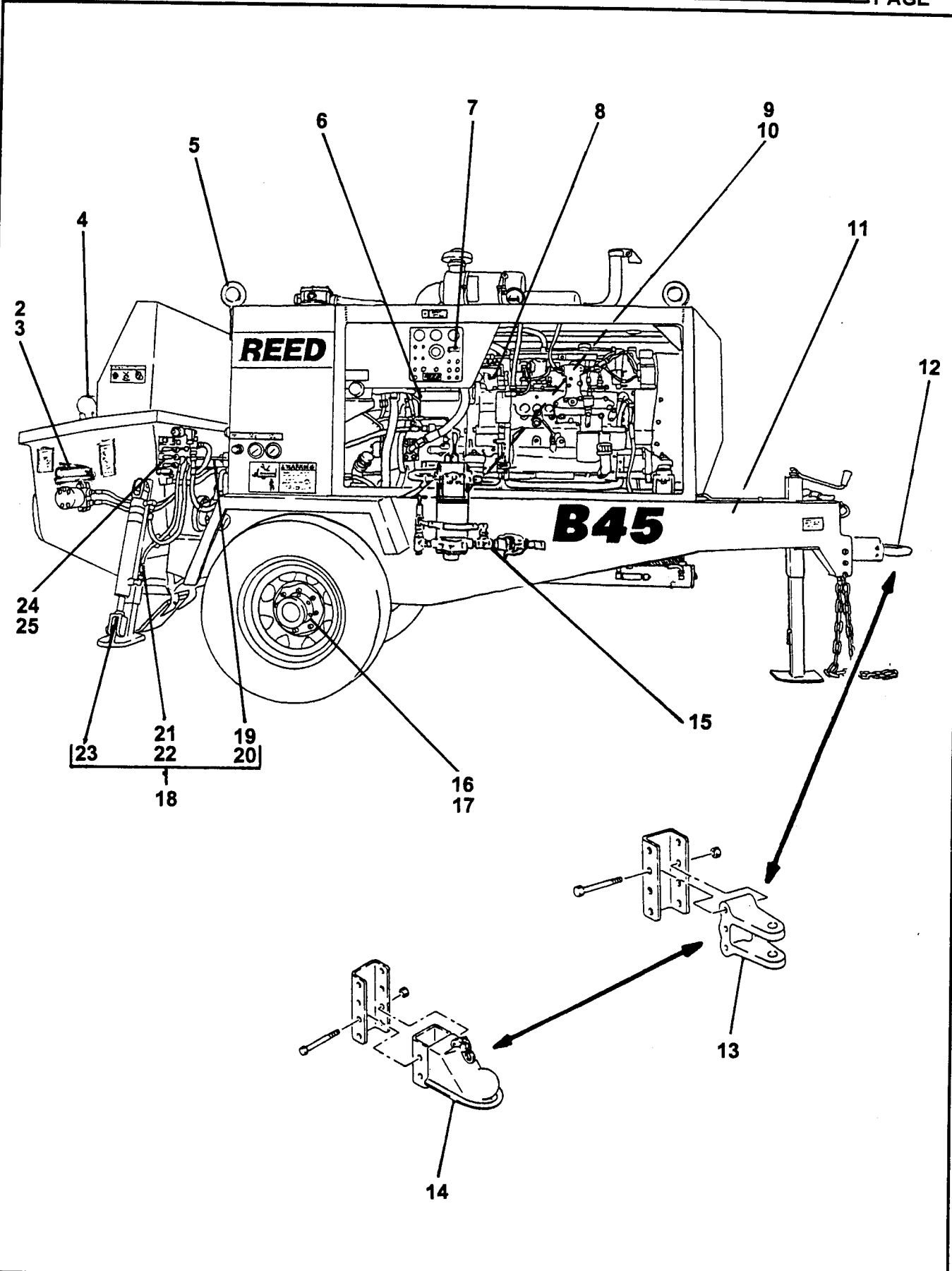
**REED TRAILER MOUNTED CONCRETE PUMP MODEL B45 ILLUSTRATED PARTS
MANUAL GROUP 80 OPTIONAL INSTALLATION CONTAINS THE FOLLOWING
FIGURES:**

- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** OPTIONAL INSTALLATION
- FIGURE 02** LUBE SYSTEM ASSEMBLY
- FIGURE 03** 12 VOLT LUBE PUMP ASSEMBLY
- FIGURE 04** HOPPER VIBRATOR ASSEMBLY
- FIGURE 05** THROTTLE SOLENOID ASSEMBLY
- FIGURE 06** ACCUMULATOR CHARGE KIT
- FIGURE 07** OPTIONAL TOOL KIT ASSEMBLY
- FIGURE 08** ACTUATOR BRAKES ASSEMBLY
- FIGURE 09** WASH PUMP ASSEMBLY
- FIGURE 09A** WATER PUMP CONTROL VALVE ASSEMBLY
- FIGURE 10** WASH WATER PUMP ASSEMBLY
- FIGURE 11** WASH PUMP MOTOR ASSEMBLY
- FIGURE 12** NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 13** OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 14** HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY
- FIGURE 15** 2 SPOOL VALVE ASSEMBLY
- FIGURE 16** 2 SPOOL VALVE SUB-ASSEMBLY
- FIGURE 17** 3 SPOOL VALVE ASSEMBLY
- FIGURE 18** 3 SPOOL VALVE SUB-ASSEMBLY

REED

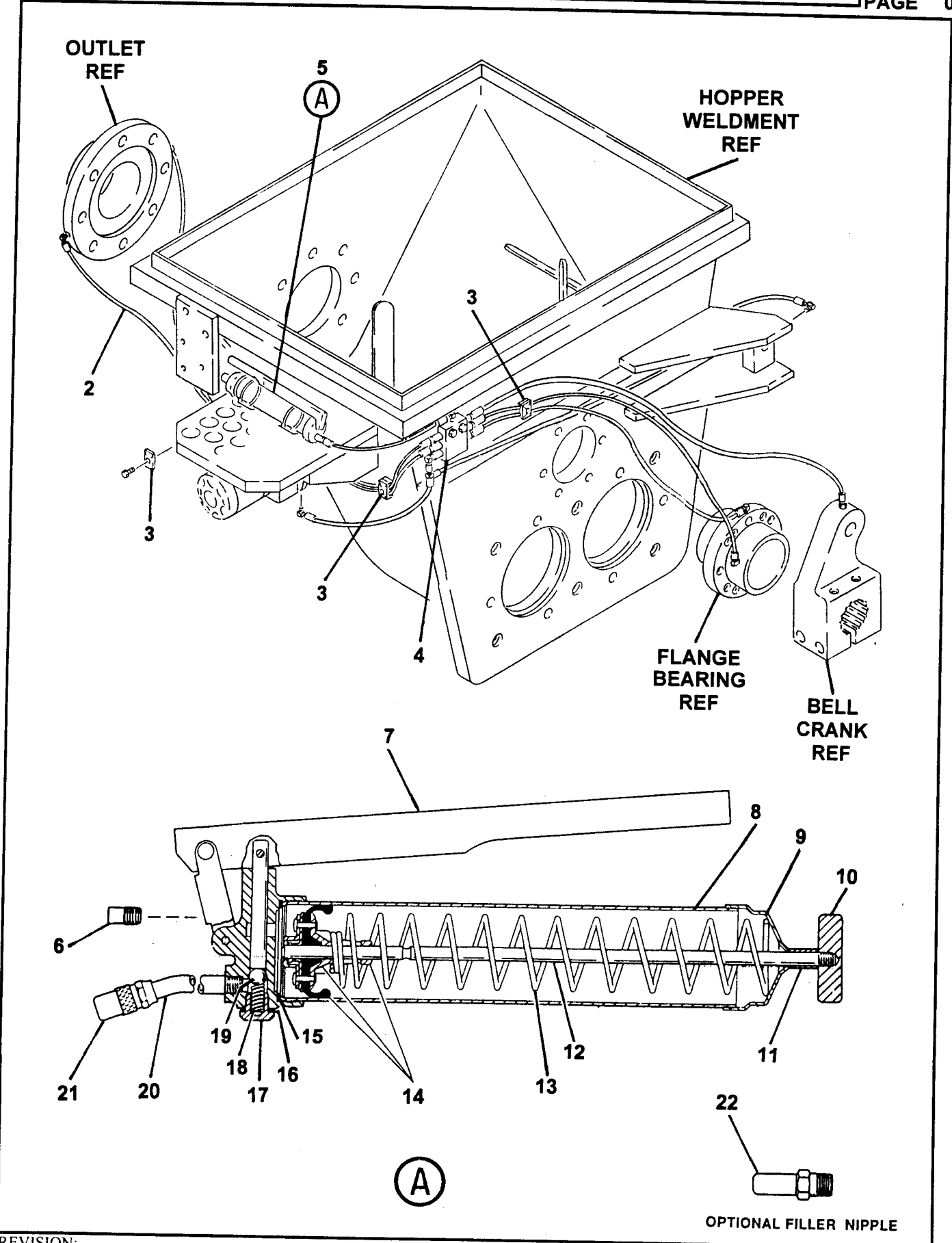
OPTIONAL INSTALLATION

B45
PARTS
GROUP 80
FIGURE 01
PAGE 01



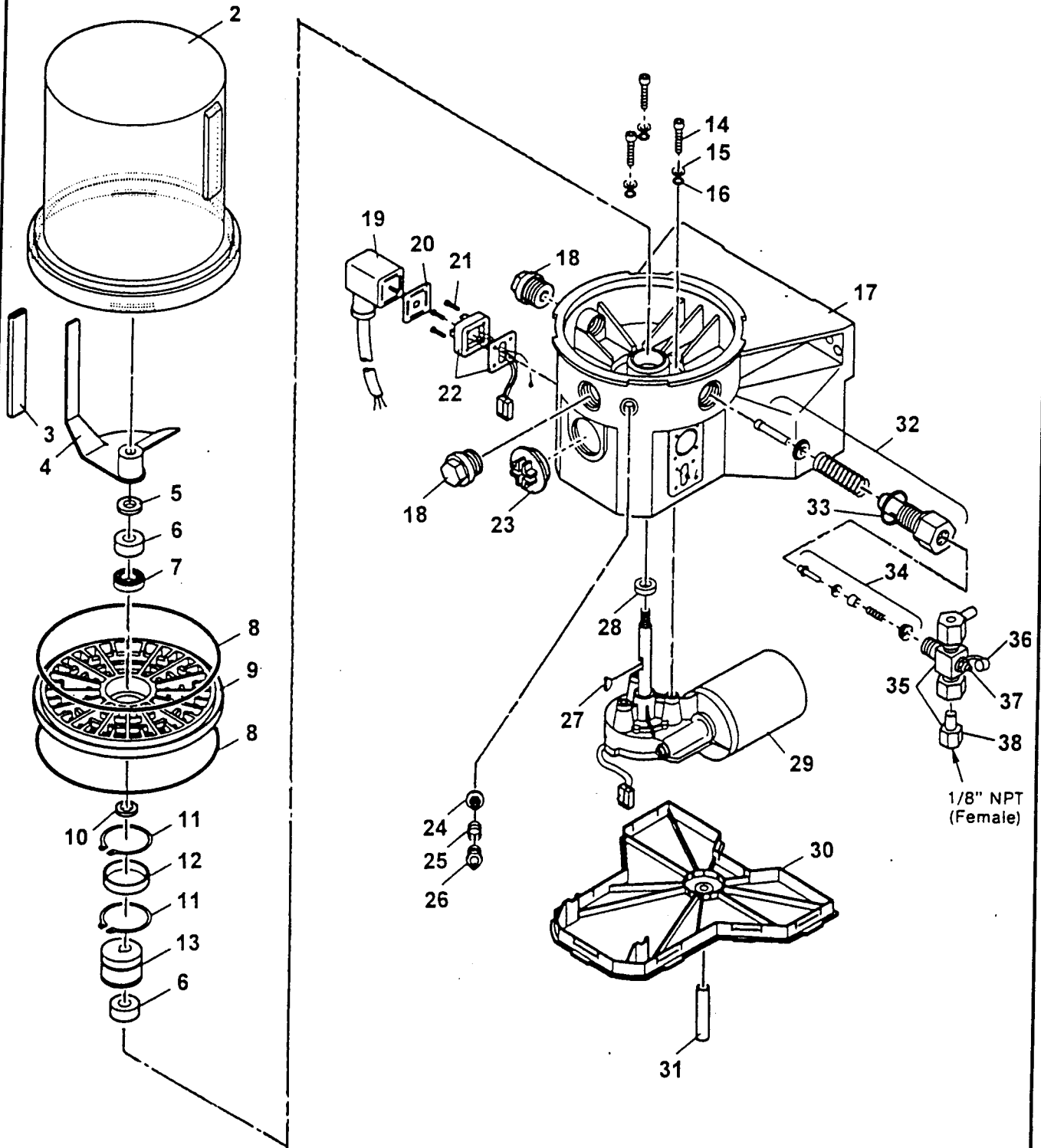
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-01	Installation, Optional (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	80-02	• Assembly, Lube System (See Group 80, Figure 02 for DET)					1
3	78736	• Assembly, Lube Pump (See Group 80, Figure 03 for DET)					1
4	71429	• Assembly, Hopper Vibration (See Group 80, Figure 04 for DET)					1
5	85810	• Assembly, Optional Lifting					1
6	85742	• Assembly, Radio Remote Control (See Group 50, Figure 04 for REF)					1
7	85774	• Assembly, Stroke Counter					1
8	77012	• Assembly, Throttle Solenoid (See Group 80, Figure 05 for DET)					1
9	71460	• Kit, Accumulator Charge (See Group 80, Figure 06 for DET)					1
10	30-11	• Kit, Bladder Repair (See Group 30, Figure 11 for REF)					1
11	79020	• Assembly, Optional Tool Kit (See Group 80, Figure 07 for DET)					1
12	75413	• Assembly, Actuator Brake (See Group 80, Figure 08 for DET)					1
13	71050	• Assembly, Adjustable 1 Inch Clevis					1
14	71099	• Assembly, Adjustable Ball Coupler 2 - 5/16"					1
15	86400	• Assembly, Wash Pump (See Group 80, Figure 09 for DET)					1
16	80-12	• Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 12 for DET)					1
17	80-13	• Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 13 for DET)					1
18	85677	• Assembly, Hydraulic Outrigger					1
19	85685	• • Assembly, Tube					2
20	85686	• • Assembly, Tube					2
21	85659-003	• • Assembly, Hose					4
22		• • Elbow, 90					4
23	85640	• • Assembly, Hydraulic Outrigger Cylinder (See Group 80, Figure 14 for DET)					2
24	80-15	• Assembly, 2 Spool Valve (See Group 80, Figure 15 for DET)					1
25	80-17	• Assembly, 3 Spool Valve (See Group 80, Figure 17 for DET)					1

DASH (-) ITEM NOT ILLUSTRATED



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





LUBE PUMP ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 03
PAGE 02

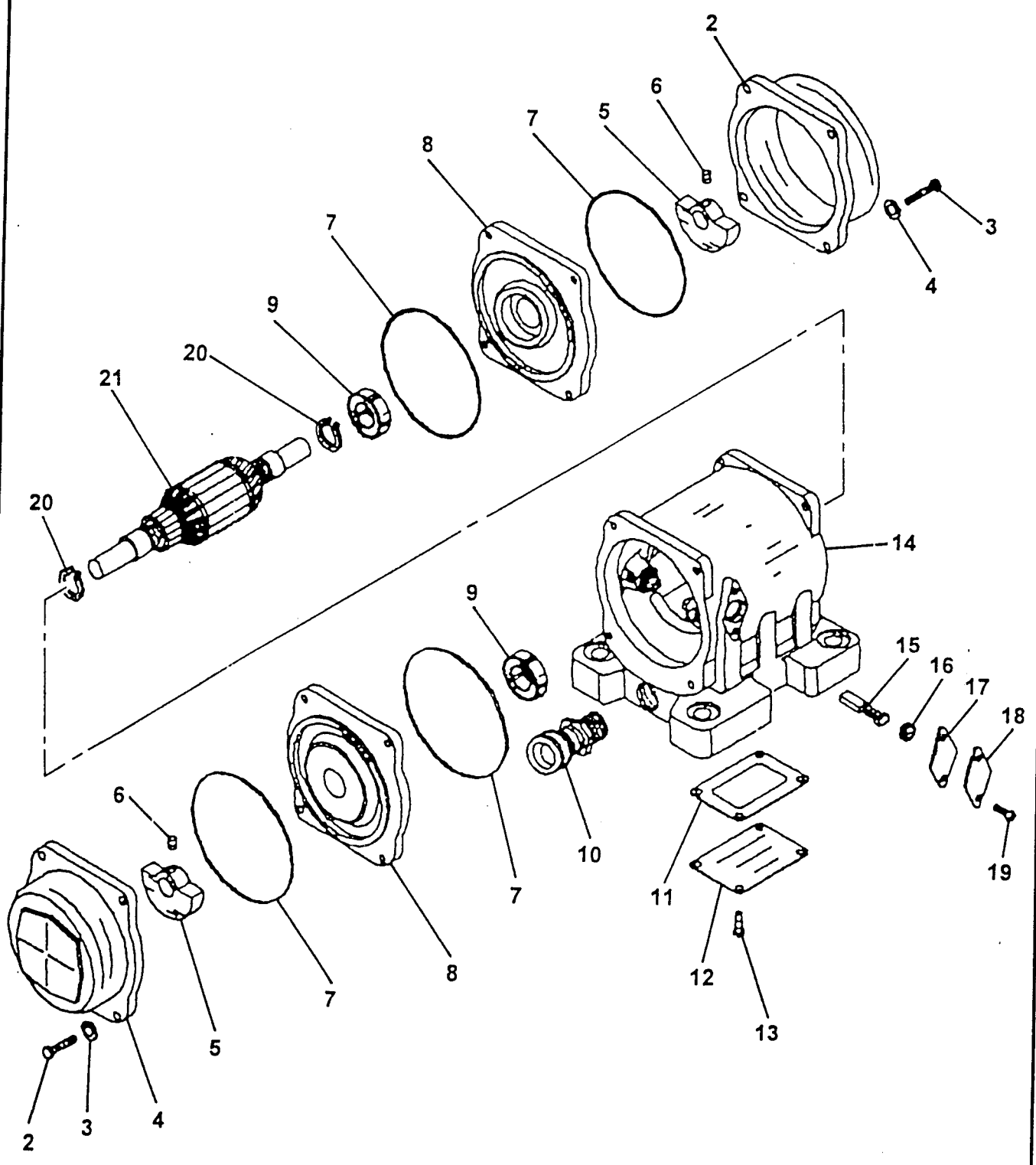
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	78736	Assembly, Lube Pump (See Group 80, Figure 01 for NHA)					Ref
2		• Reservoir					1
3		• House					1
4		• Paddle, Stirring					1
5		• Washer					1
6		• Ring, Bearing					2
7		• Bearing					1
8		• O-Ring					2
9		• Plate, Intermediate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

B45
PARTS
GROUP 80
FIGURE 04
PAGE 01



REVISION:

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

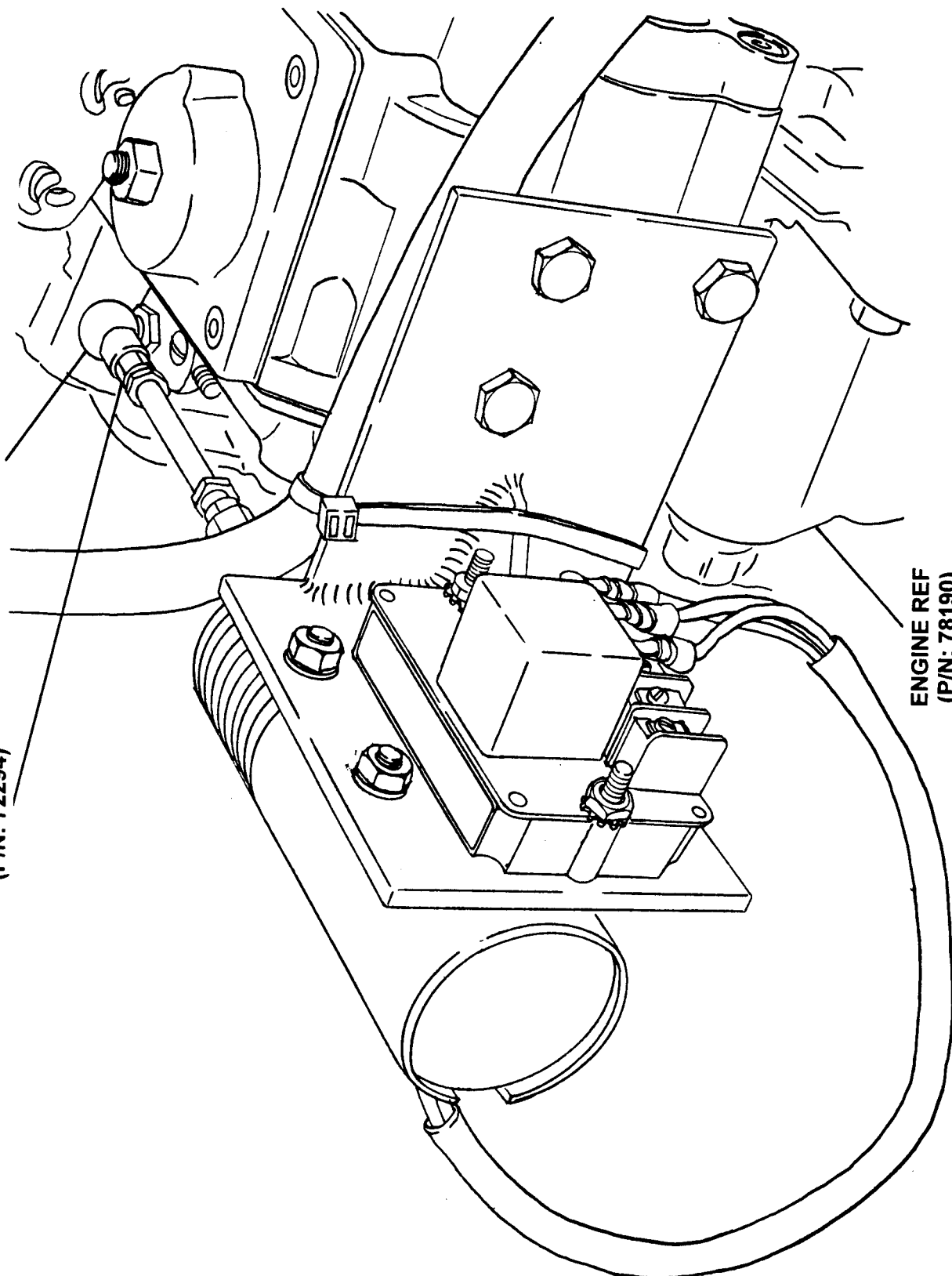
THROTTLE SOLENOID ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 05
PAGE 01

COUPLER REF
(P/N: 78202)

THROTTLE CONTROL
BOLT REF
(P/N: 72294)

ENGINE REF
(P/N: 78190)



REED

THROTTLE SOLENOID ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 05
PAGE 02

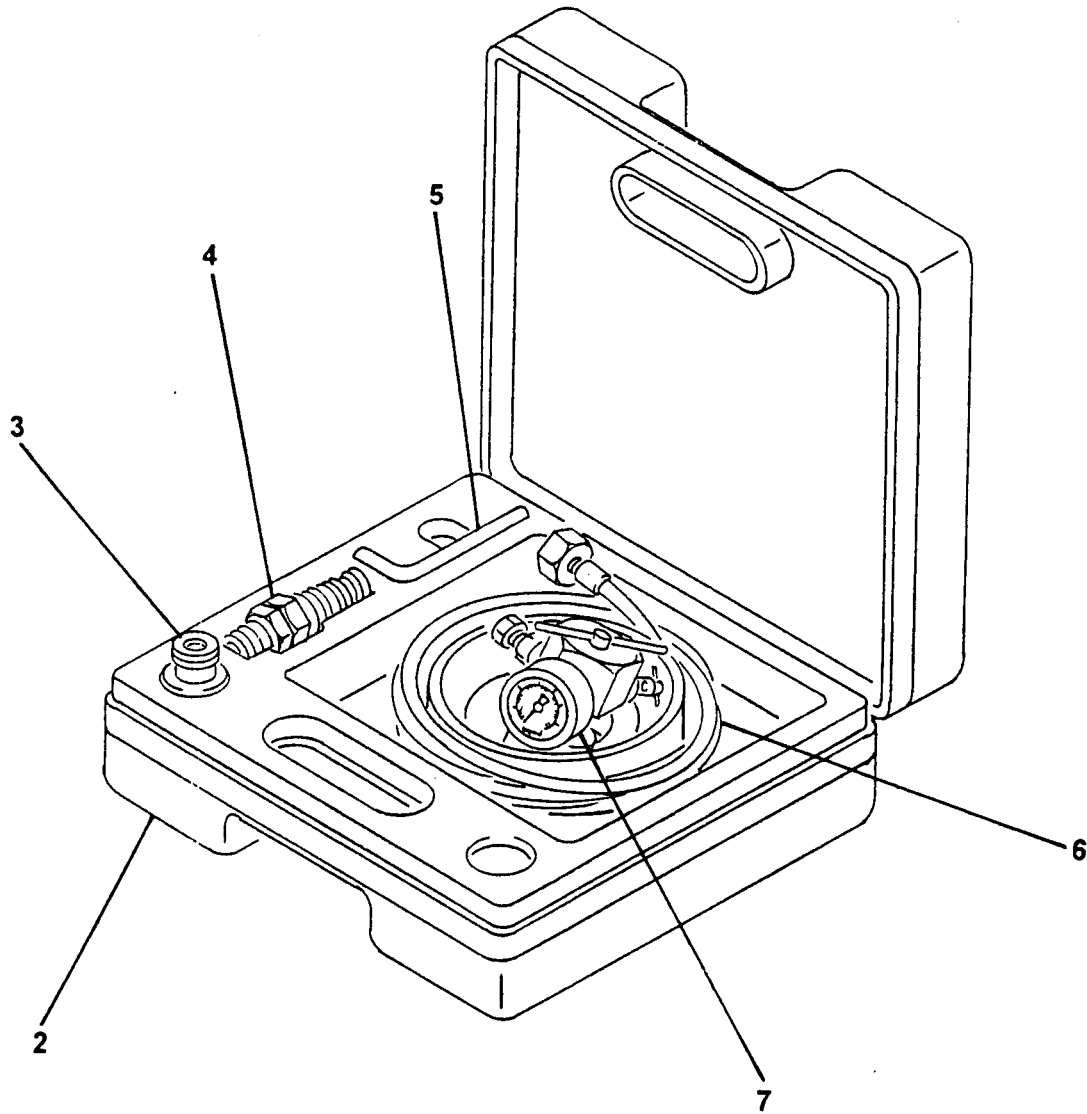
THIS GROUP 80, FIGURE 05, PARTS NUMBER 77012,
THROTTLE SOLENOID ASSEMBLY,
DETAIL PARTS LIST IS NOT AVAILABLE THIS REVISION.

REVISION:

REED

ACCUMULATOR CHARGE KIT

B45
PARTS
GROUP 80
FIGURE 06
PAGE 01



REVISION:

REED**ACCUMULATOR CHARGE KIT****B45**
PARTS
GROUP 80
FIGURE 06
PAGE 02

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

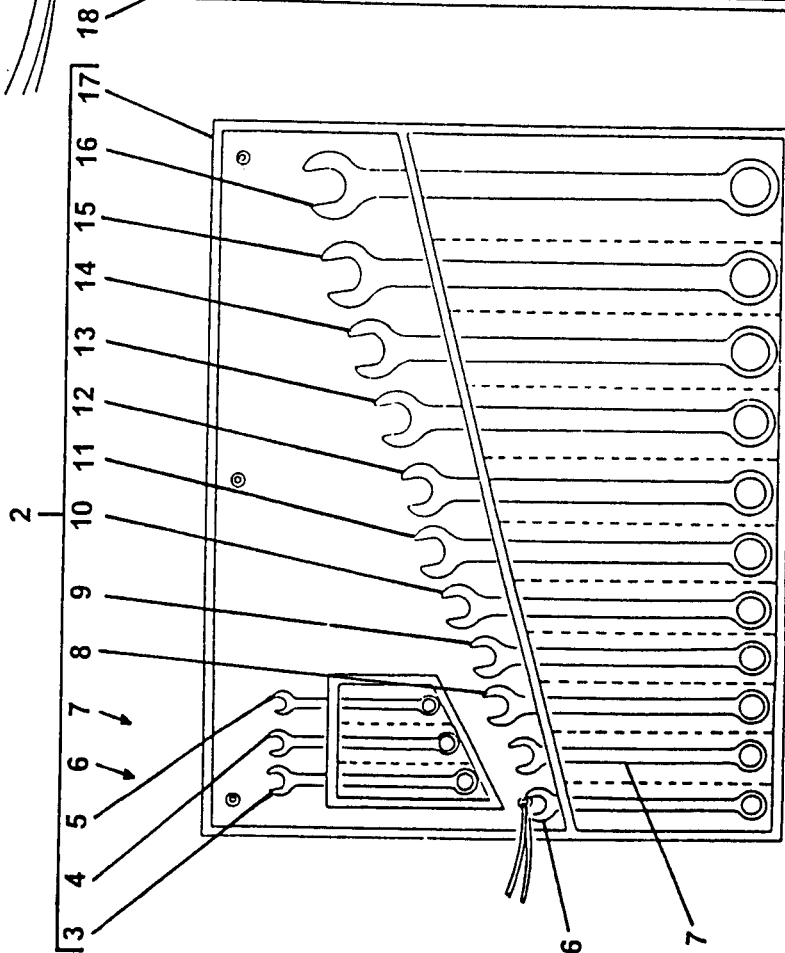
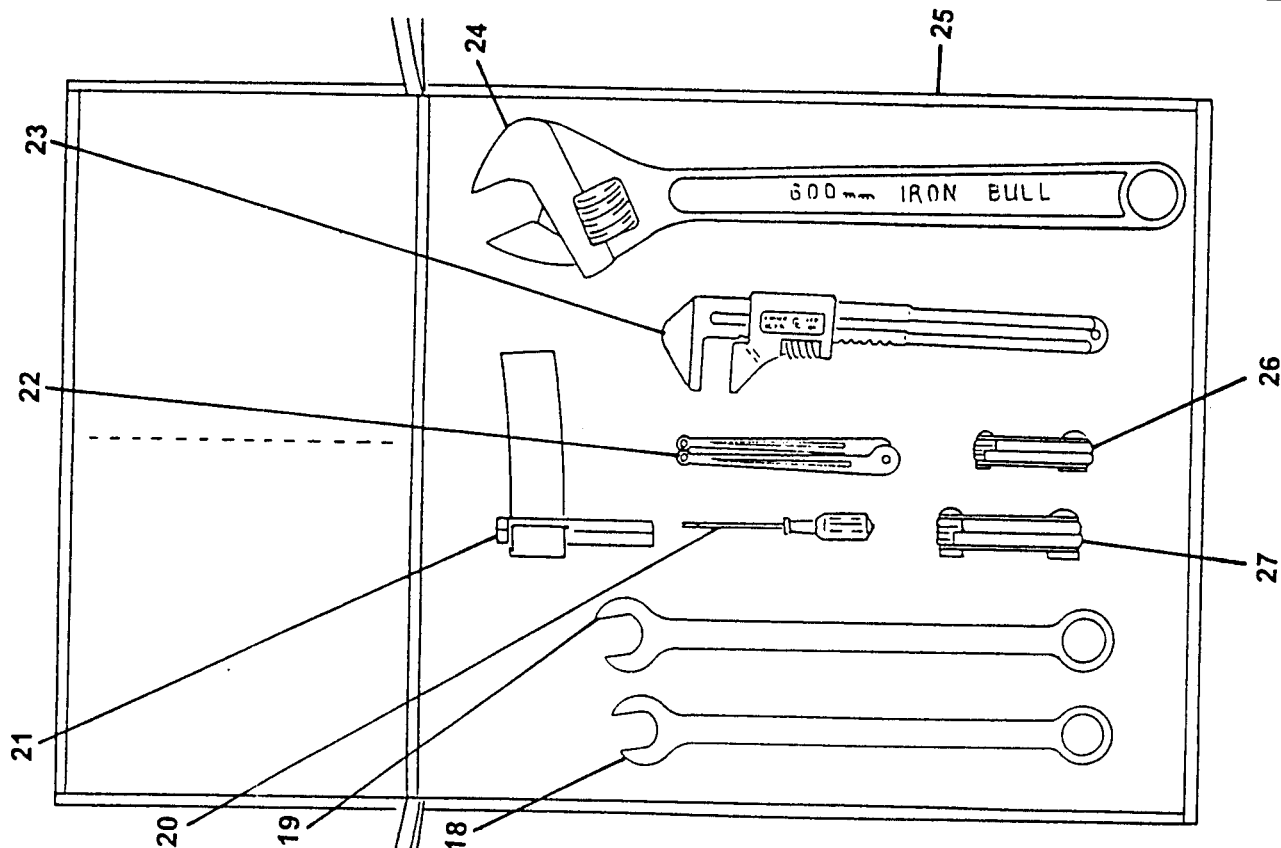
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

OPTIONAL TOOL KIT

B45
PARTS
GROUP 80
FIGURE 07
PAGE 01



REVISION:

REED**OPTIONAL TOOL KIT****B45**
PARTS
GROUP 80
FIGURE 07
PAGE 02

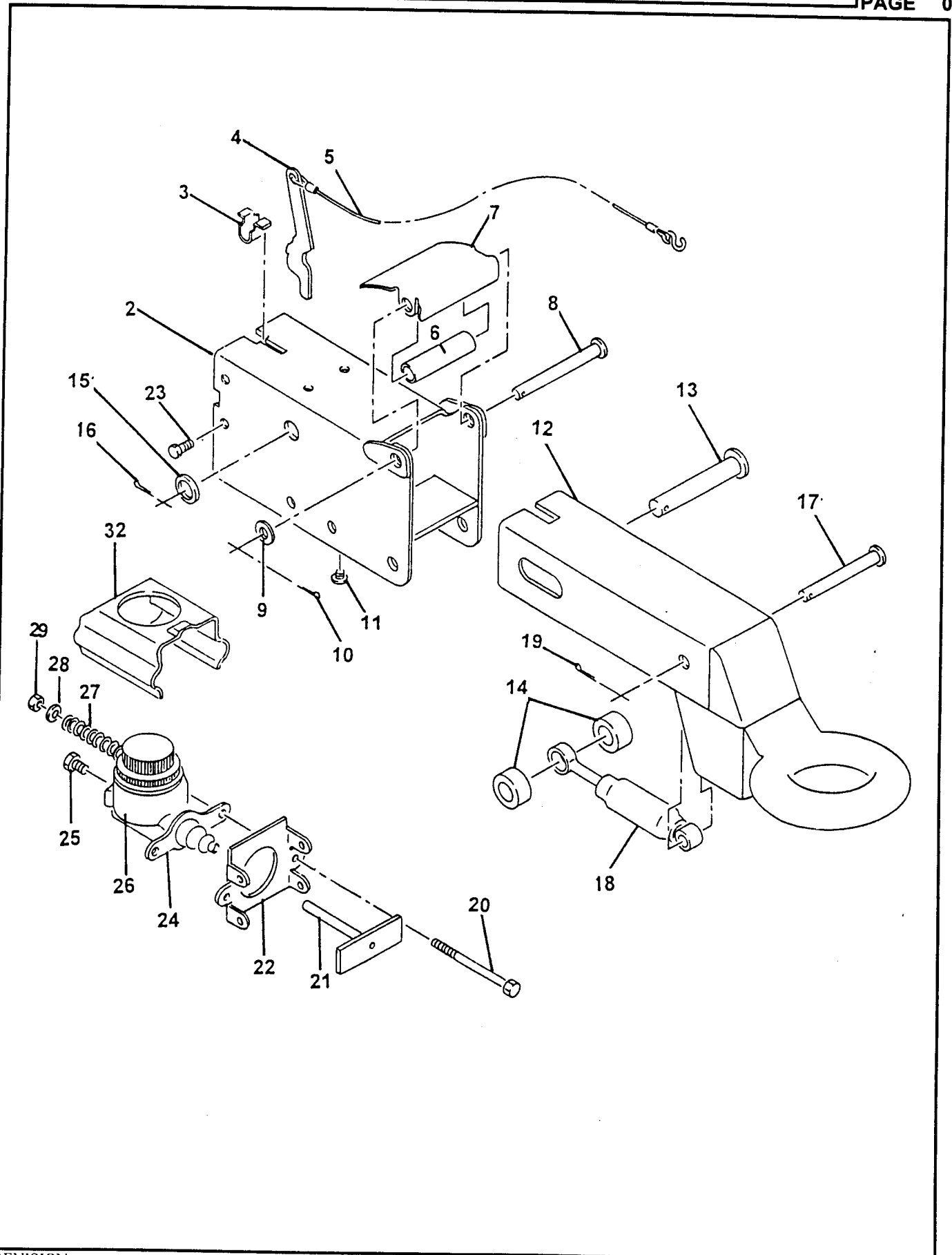
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	79020	Assembly, Optional Tool Kit (See Group 80, Figure 01 for NHA)					Ref
2	79037	• Kit, Wrench					1
3		• • Wrench, 1/2 Inch					1
4		• • Wrench, 7/16 Inch					1
5		• • Wrench, 3/8 Inch					1
6		• • Wrench, 9/16 Inch					1
7		• • Wrench,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



ACTUATOR BRAKES ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 08
PAGE 01



REVISION:

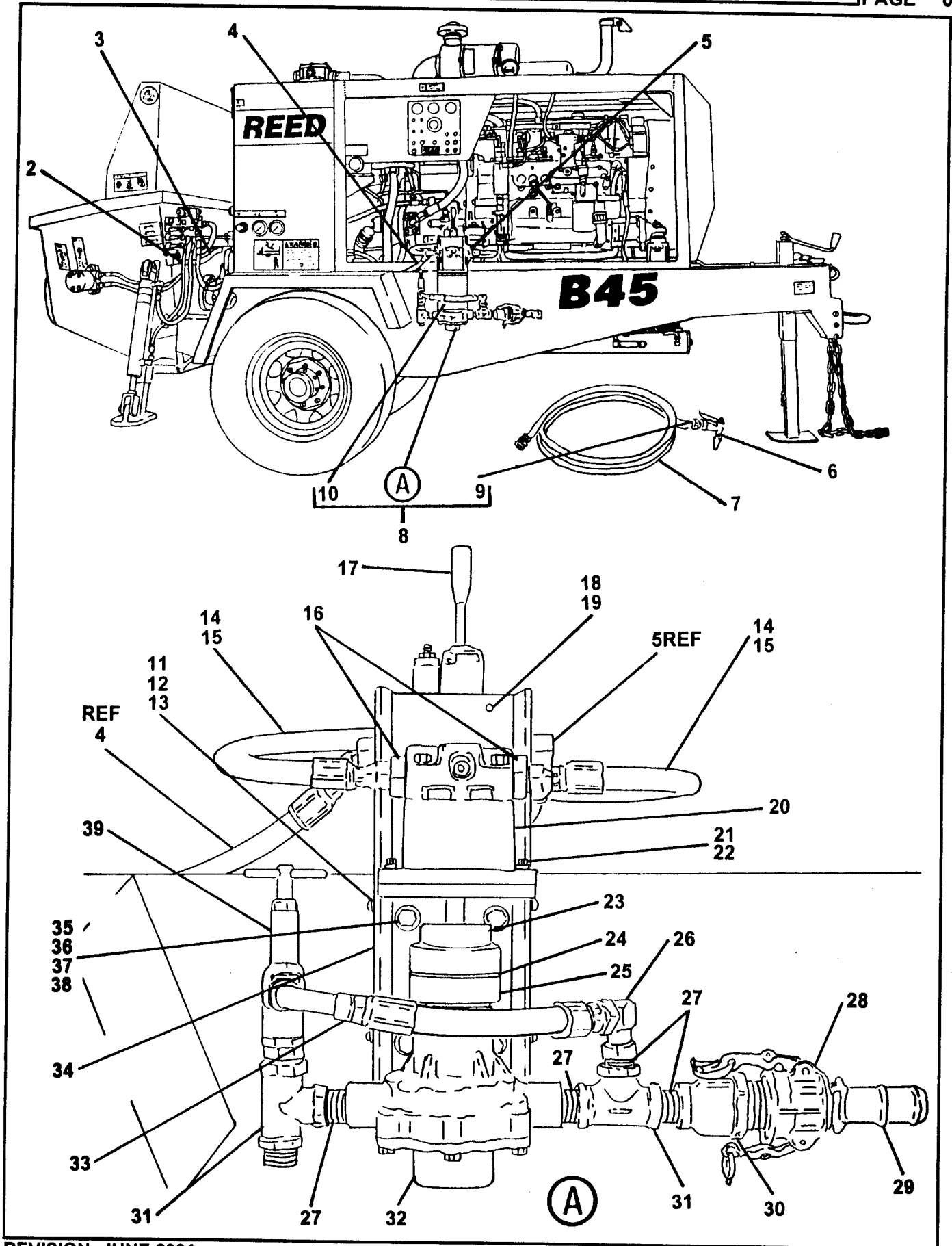
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	75413	Assembly, Actuator Brakes (See Group 80, Figure 01 for NHA)					Ref
2		• Case, Outer					1
3		• Spring, Breakaway					1
4		• Lever, Breakaway Pin					1
5		• • S-Hook					1
6		• Roller, Front					1
7		• Cover, Front Roller					1
8		•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

DASH (-) ITEM NOT ILLUSTRATED

REED

WASH PUMP ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 09
PAGE 01

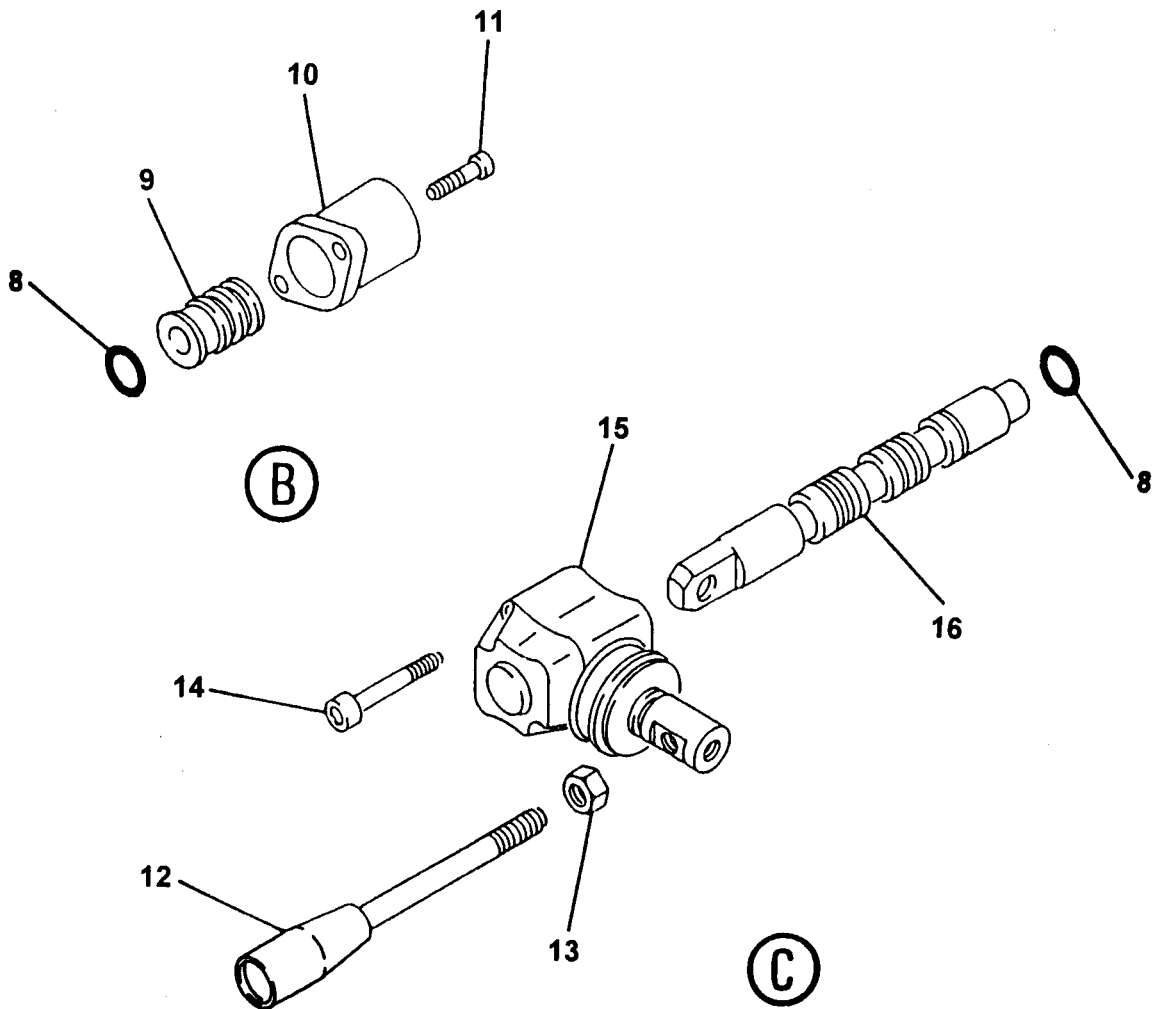
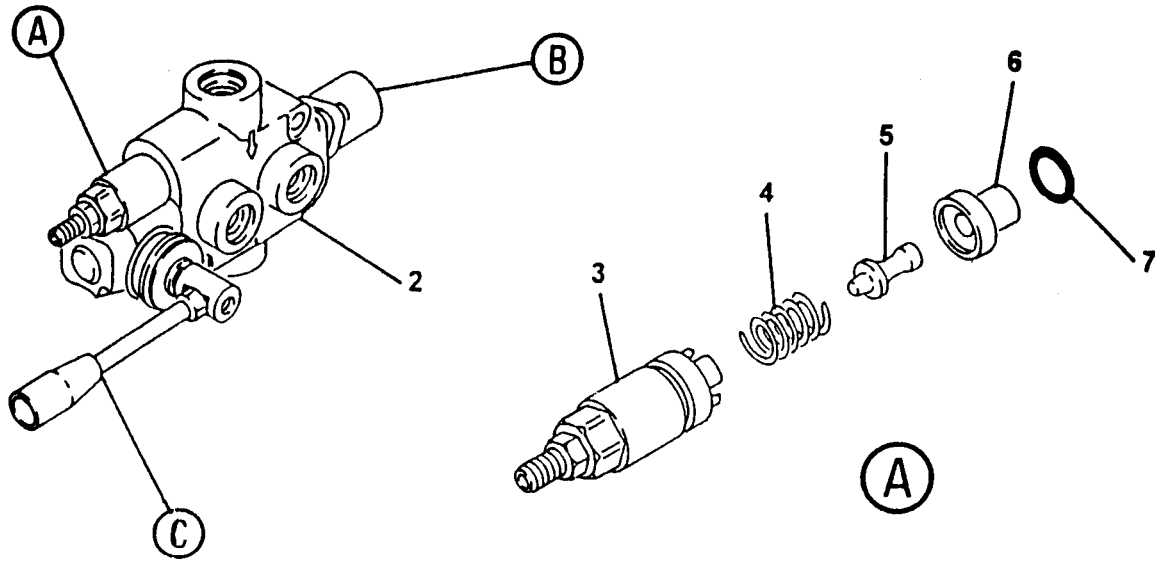


ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	86400	Assembly, Water Pump (See Group 80, Figure 01 for NHA)					Ref
2	86384	• Sleeve, Power Beyond					1
3		• Assembly, Hose					1
4		• Assembly, Hose					1
5		• Assembly, Hose					1
6	800098	• Nozzle, Garden Hose					1
7	86267	• Hose, Garden 20 FT					1
8	86200	• Kit, Wash Pump					1
9	800371	• • Fitting, Garden Hose					1
10	86199	• • Cover, Wash Pump					1
11		• • Screw (attaching parts)					4
12		• • Washer, SPL Lock (attaching parts)					4
13		• • Washer, Flat (attaching parts)					4
14		• • Fitting, 90					2
15	85658-002	• • Assembly, Hose					2
16		• • Fitting, STR					2
17	86397	• • Assembly, Water Pump Control Valve (See Group 80, Figure 09A for DET)					1
18		• • Bolt (attaching parts)					2
19		• • Washer, SPL Lock (attaching parts)					2
20	78152	• • Assembly, Wash Pump Motor (See Group 80, Figure 11 for DET)					1
21		• • Bolt, Hex (attaching parts)					2
22		• • Washer, SPL Lock (attaching parts)					2
23	78153	• • Coupling, Wash Motor					1
24	78155	• • Spider					1
25	78154	• • Coupling, Wash Pump					1
26		• • Fitting, 90					1
27	40047	• • Nipple, Close, Pipe					5
28	10947	• • Coupling, Female Cam / Groove					1
29	10948	• • Coupling, Male Cam / Groove					1
30	86398	• • Reducer, Bell					1
31	10228	• • Tee					2
32	78157	• • Assembly, Wash Water Pump (See Group 80, Figure 10 for DET)					1
33	85657-022	• • Assembly, Hose					1
34	86196	• • Weldment, Wash Pump Base					1
35		• • Bolt, Hex (attaching parts)					4
36		• • Washer, Flat (attaching parts)					8
37		• • Washer, SPL Lock (attaching parts)					4
38		• • Nut, Lock (attaching parts)					4
39	78128	• • Valve, Relief					1

DASH (-) ITEM NOT ILLUSTRATED

WATER PUMP CONTROL VALVE ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 09A
PAGE 01





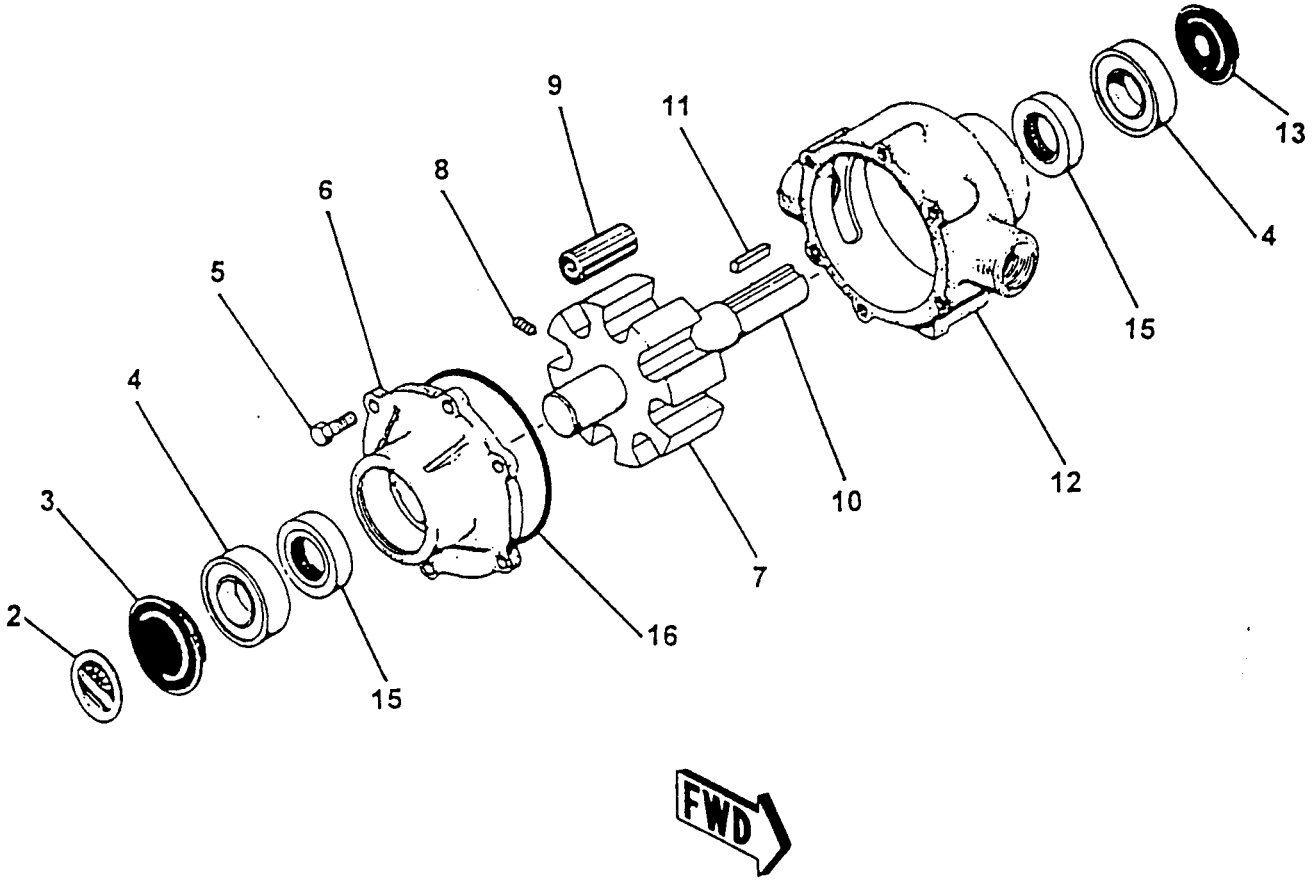
WATER PUMP CONTROL VALVE ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 09A
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

WATER PUMP ASSEMBLY



REED**WATER PUMP ASSEMBLY****B45**
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

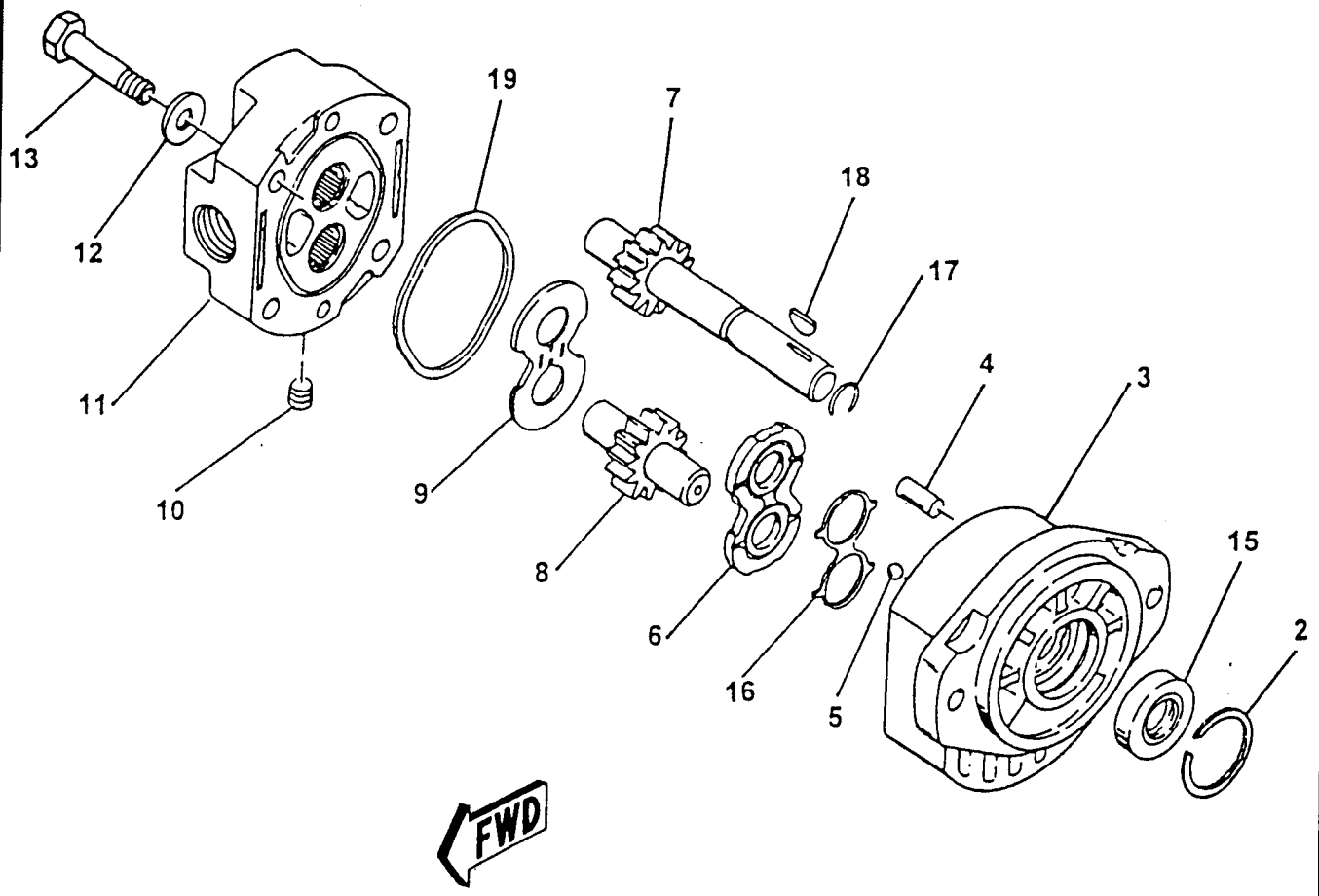
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



WASH PUMP MOTOR ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 11
PAGE 01



REED**WASH PUMP MOTOR ASSEMBLY****B45**
PARTS
GROUP 80
FIGURE 11
PAGE 02

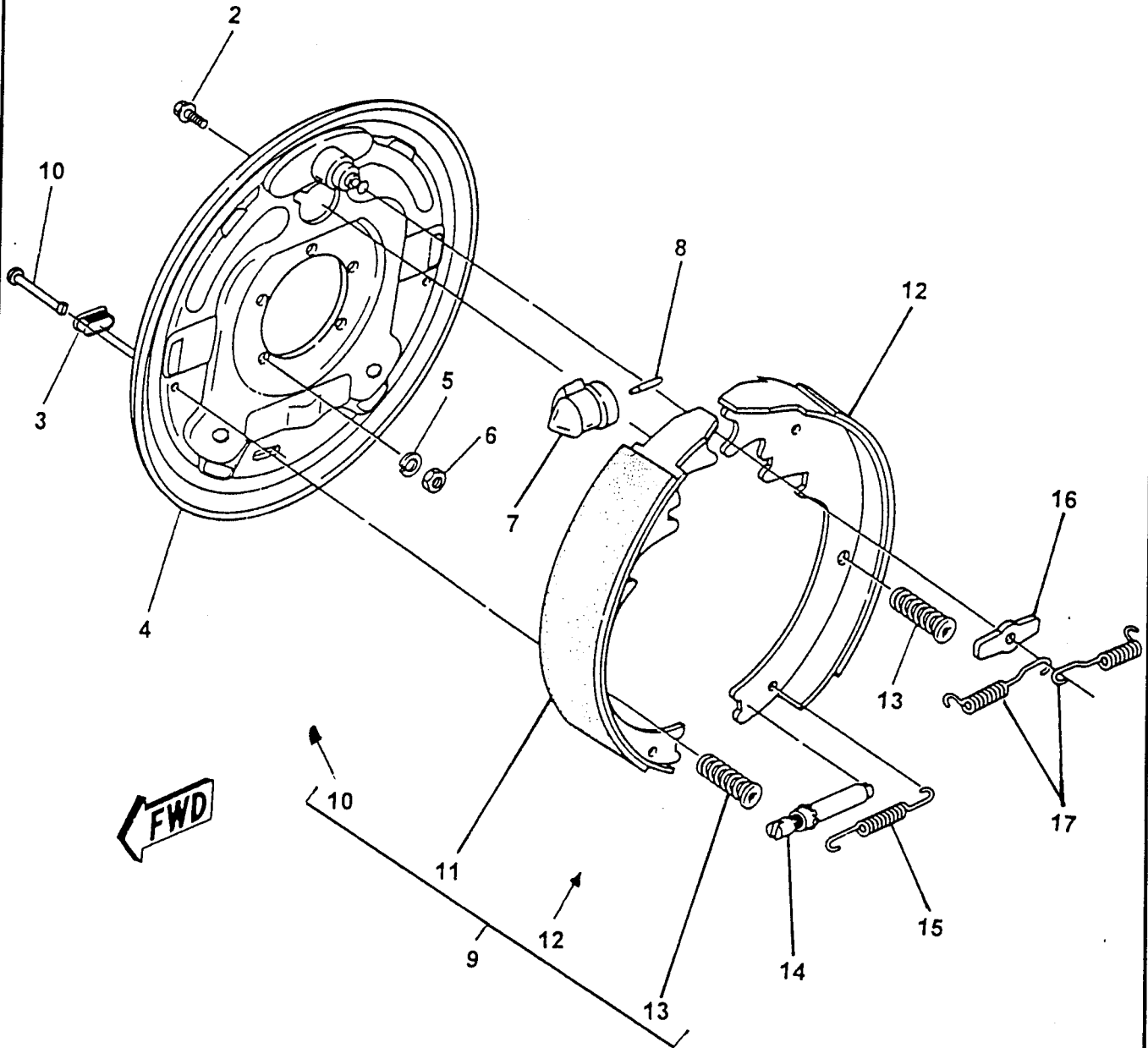
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	78152	Assembly, Wash Pump Motor (See Group 80, Figure 09 for NHA)					Ref
2		• Retainer					1
3		• Assembly, Body					1
4		• Pin, Dowel					2
5		• Bearing, Ball					2
6		• Plate, Wear					1
7		• Gear, Driven Wear					1
8		• Gear, Driven		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

REED

NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 12
PAGE 01



REVISION:

REED**NON-OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY****B45**
PARTS
GROUP 80
FIGURE 12
PAGE 02

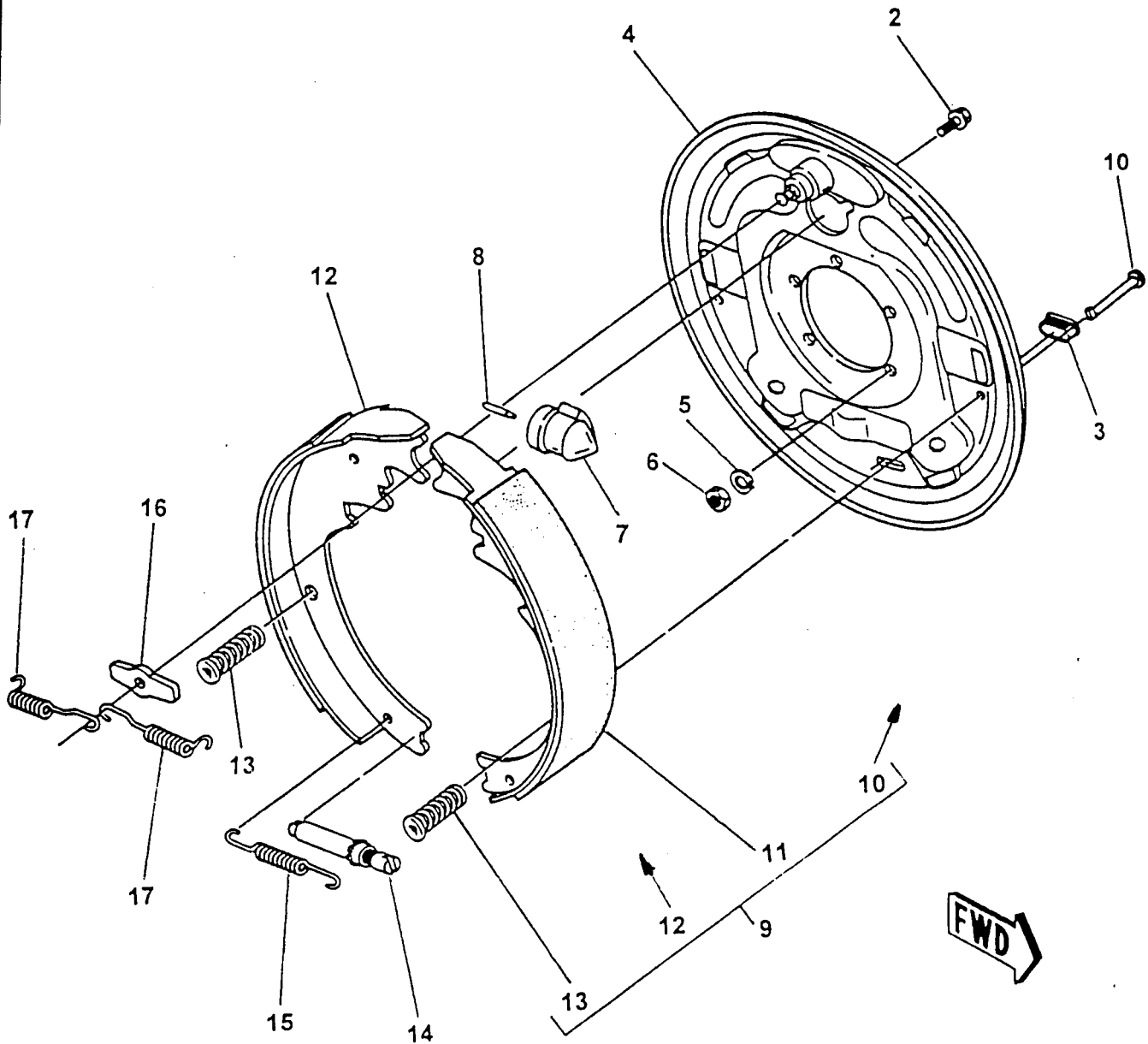
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-12	Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 01 for NHA)					Ref
2		• Screw, with Washer					1
3		• Plug					2
4		• Plate, Backing					1
5		• Washer, Lock (attaching parts)					5
6		• Nut, Brake Mounting (attaching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

DASH (-) ITEM NOT ILLUSTRATED

REED

OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

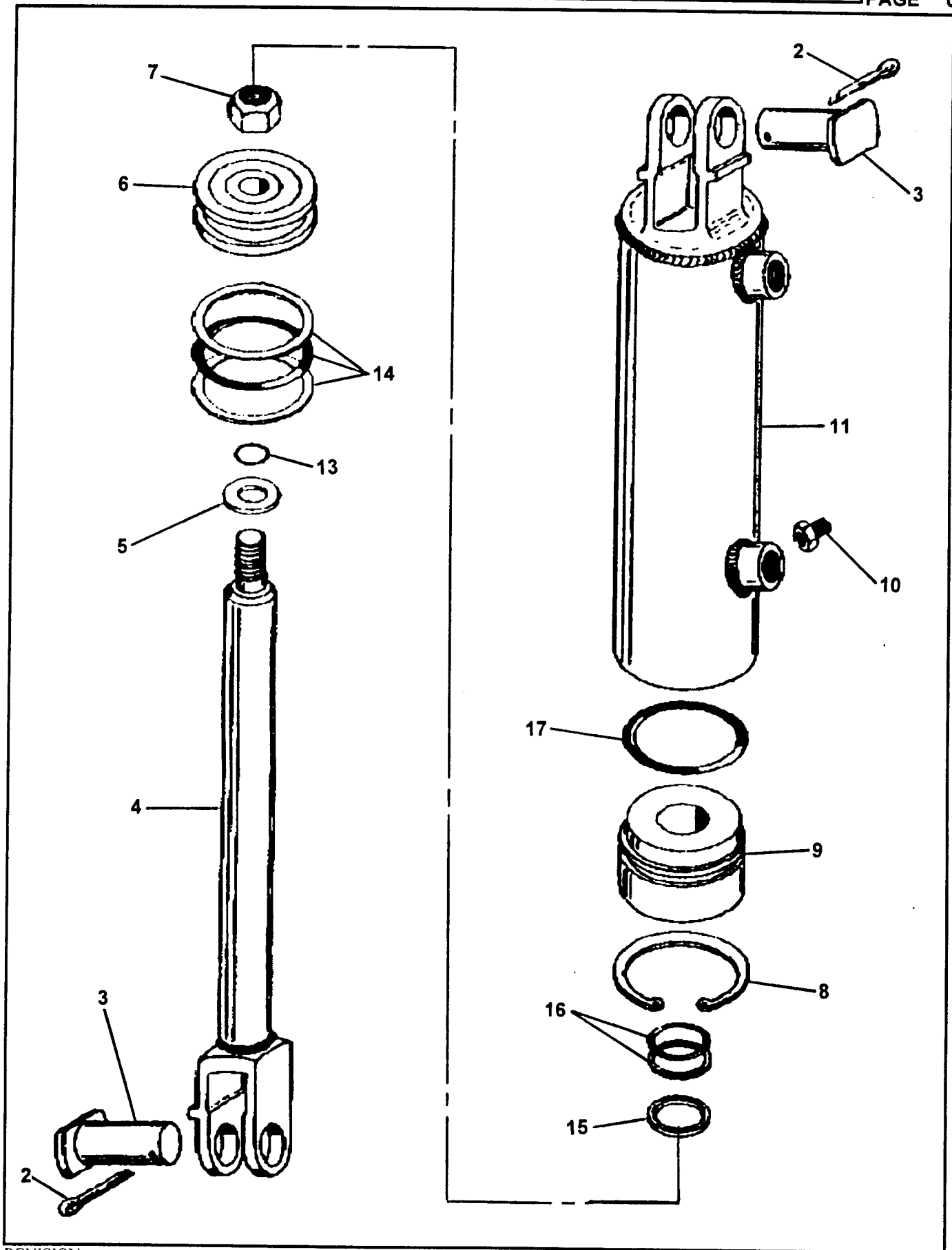
B45
PARTS
GROUP 80
FIGURE 13
PAGE 01



REVISION:

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

DASH (-) ITEM NOT ILLUSTRATED



**HYDRAULIC OUTRIGGER
CYLINDER ASSEMBLY**

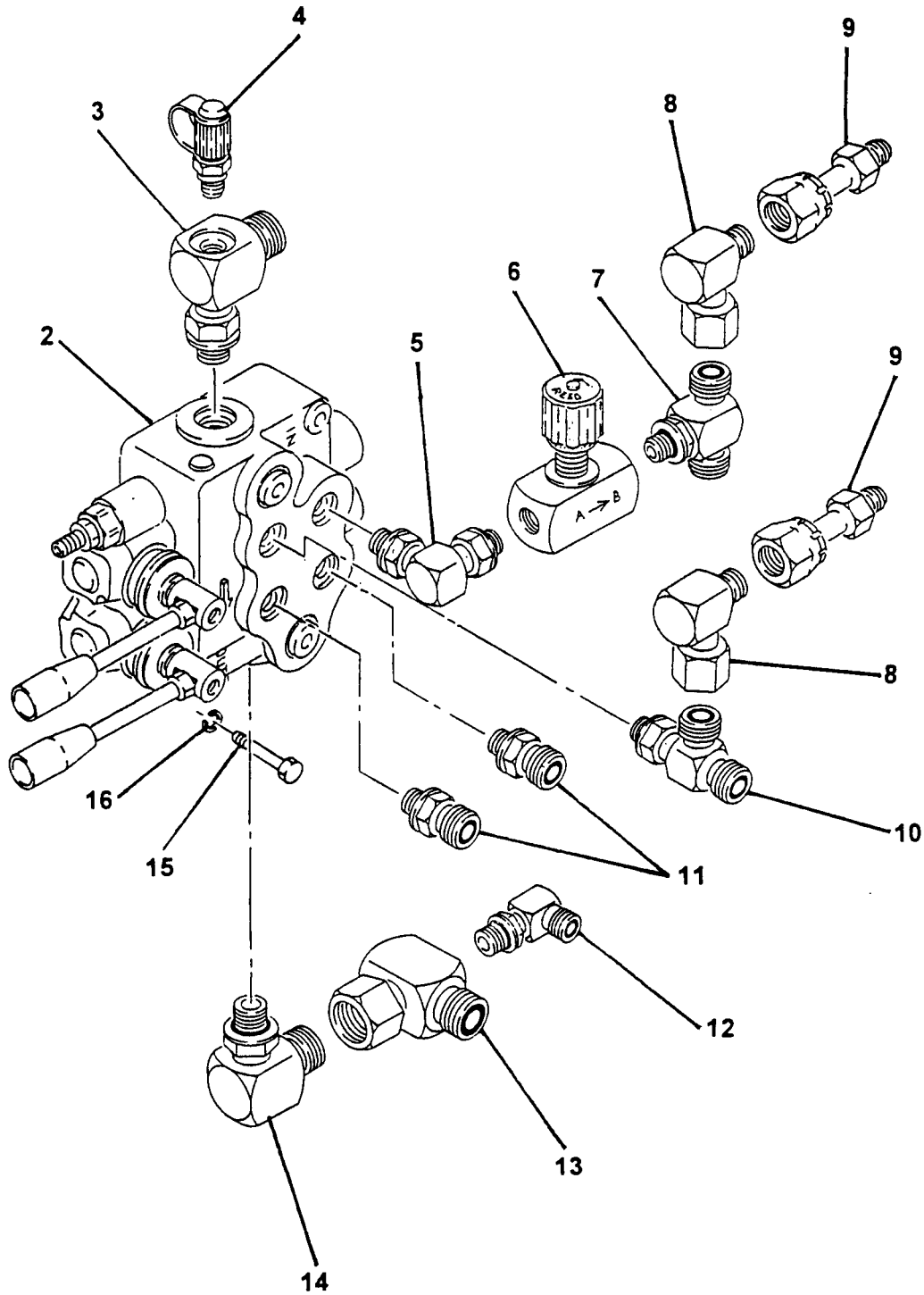
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85640	Assembly, Hydraulic Outrigger Cylinder (See Group 80, Figure 01 for NHA)					Ref
2		• Pin, Safety					2
3		• Pin, Clevis					2
4		• Assembly, Shaft					1
5		• Washer, Steel					1
6		• Piston					1
7		• Nut, Piston Lock					1
8		• Ring,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

DASH (-) ITEM NOT ILLUSTRATED

REED

2 SPOOL VALVE ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 15
PAGE 01



REVISION:

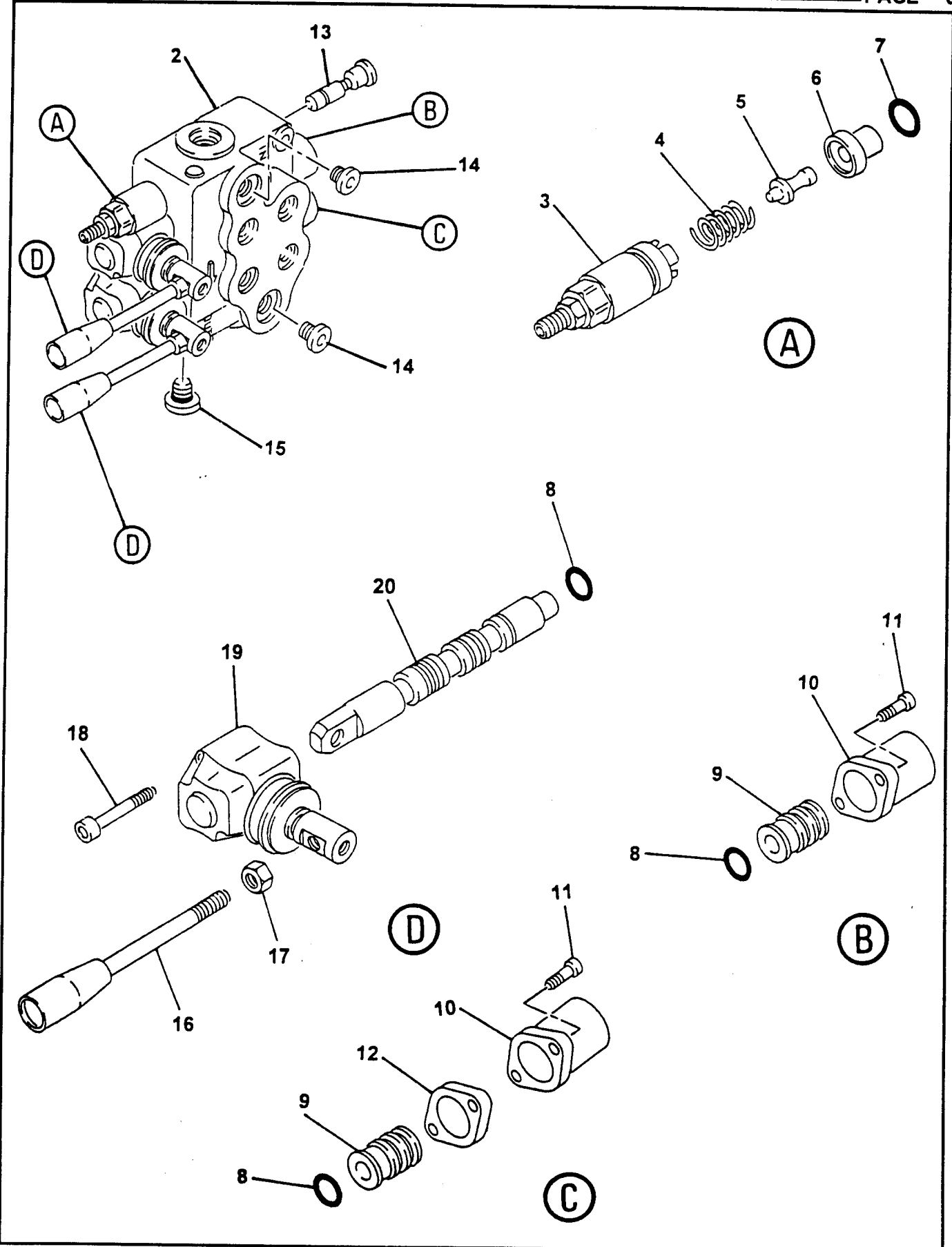
REED**2 SPOOL VALVE ASSEMBLY****B45**
PARTS
GROUP 80
FIGURE 15
PAGE 02

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 16 for DET)					1
3		• Tee, Special Drill					1
4	78593	• Fitting, Mini Check (Port)					1
5		• Fitting, 90					1
6		• Controller, Check					1
7		• Tee					1
8		• Fitting					2
9		• Fitting, Connector					2
10		• Tee					1
11		• Fitting, 90					2
12		• Fitting, 90					1
13		• Tee, Special Drill					1
14		• Fitting, 90					1
15		• Bolt, Hex					2
16		• Washer, SPL Lock					2

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

2 SPOOL VALVE SUB-ASSEMBLY

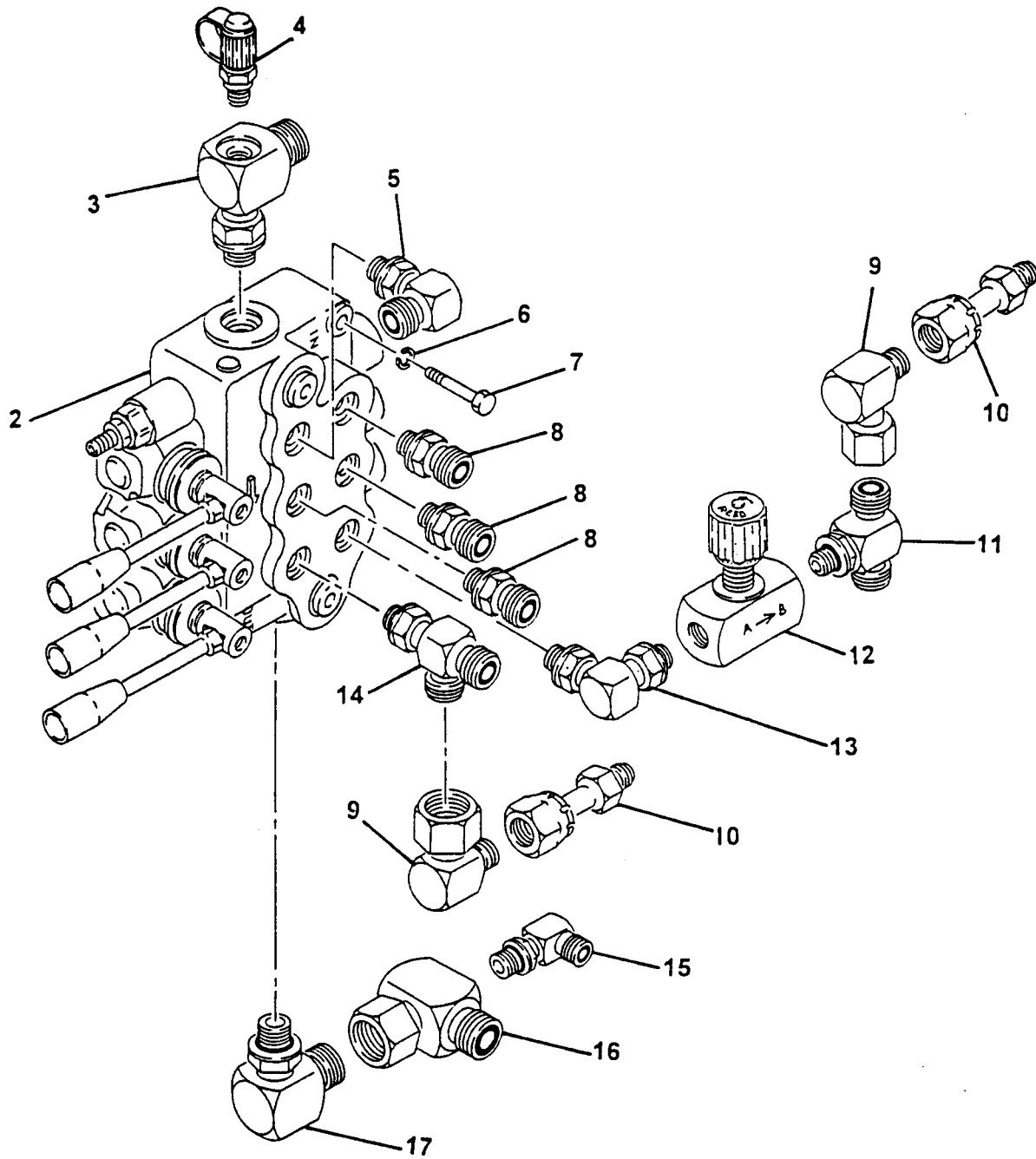


REED**2 SPOOL VALVE SUB-ASSEMBLY****B45**
PARTS
GROUP 80
FIGURE 16
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	74585	Sub-Assembly, 2 Spool Valve (See Group 80, Figure 15 for NHA)					Ref
2		• Body, Valve					1
3		• Kit, Screw					1
4		• Spring					1
5		• Pin, Screw Kit					1
6		• Ring					1
7		• O-Ring					1
8		• O-Ring					4
9		• Kit, Spool Control					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

3 SPOOL VALVE ASSEMBLY



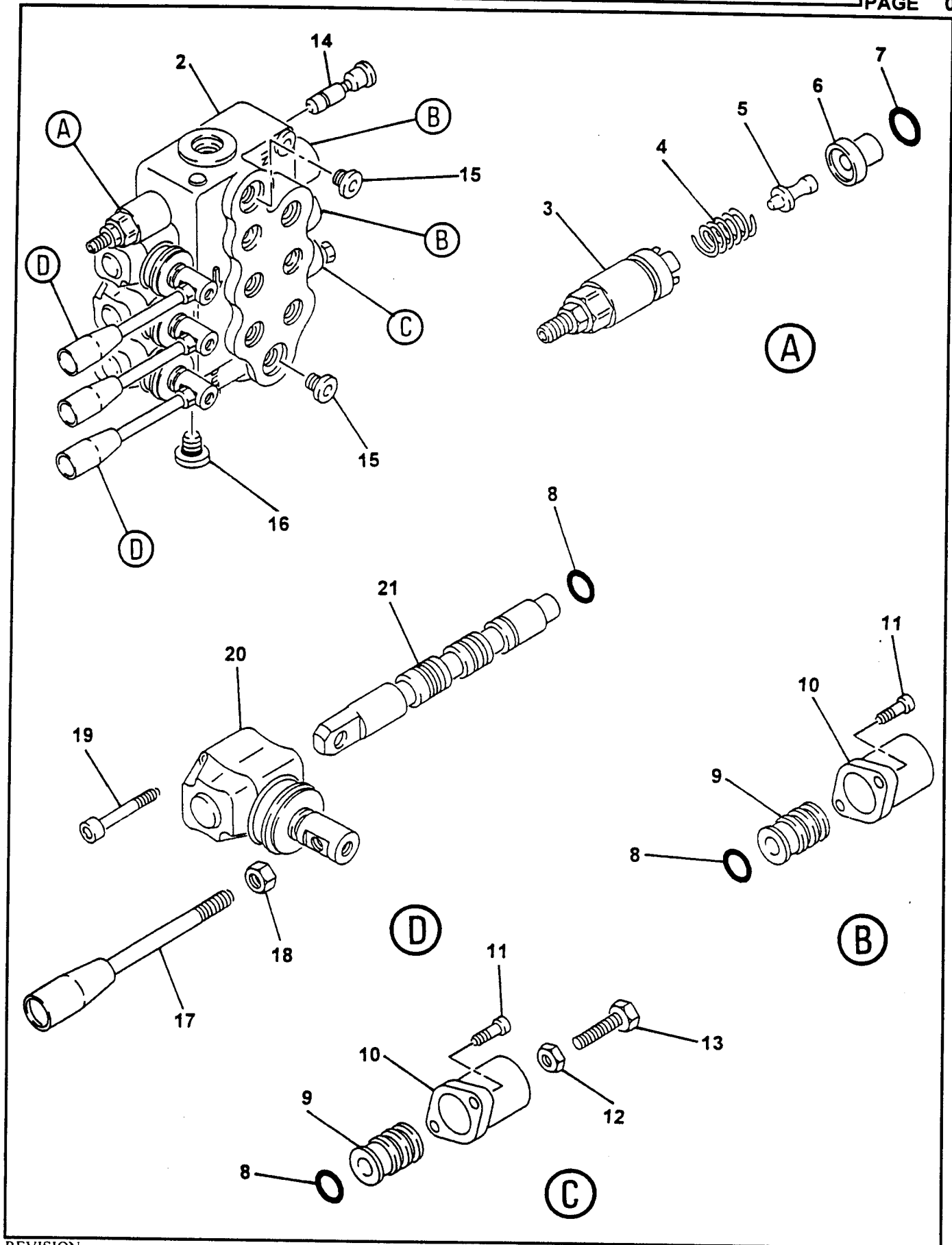
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-17	Assembly, 3 Spool Valve (See Group 80, Figure 01 for NHA)	Ref
2	74471	• Sub-Assembly, 3 Spool Valve (See Group 80, Figure 18 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Fitting, 90	1
6		• Washer, SPL 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

3 SPOOL VALVE SUB-ASSEMBLY

B45
PARTS
GROUP 80
FIGURE 18
PAGE 01



REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	74471	Sub-Assembly, 3 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					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