

REED TRAILER MOUNTED CONCRETE PUMP MODEL **A40HP**
ILLUSTRATED PARTS MANUAL CONTAINS THE FOLLOWING GROUPS
AND FIGURES:

GROUP 00 HOW TO USE PARTS MANUAL

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

GROUP 10 FINAL INSTALLATION

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

GROUP 20 HOPPER INSTALLATION

FIGURE 00 TABLE OF CONTENTS
FIGURE 01 HOPPER INSTALLATION
FIGURE 02 HOPPER CLEAN OUT DOOR ASSEMBLY

GROUP 30 TANK INSTALLATION

FIGURE 00 TABLE OF CONTENTS
FIGURE 01 TANK INSTALLATION

GROUP 40 POWER TRAIN INSTALLATION

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

GROUP 50 CONTROLS INSTALLATION

FIGURE 00 TABLE OF CONTENTS
FIGURE 01 CONTROLS INSTALLATION
FIGURE 02 CONTROL BOX ASSEMBLY
FIGURE 03 CABLE REMOTE CONTROL ASSEMBLY
FIGURE 04 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	DRIVE CYLINDER SUB-ASSEMBLY
FIGURE 08	CONTROL WITH CARTRIDGE MANIFOLD ASSEMBLY
FIGURE 09	REVERSE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY
FIGURE 10	MAIN CYCLING CIRCUIT PILOT SOLENOID VALVE 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
FIGURE 04	OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

GROUP 80 OPTIONAL INSTALLATION

FIGURE 00	TABLE OF CONTENTS
FIGURE 01	OPTIONAL INSTALLATION
FIGURE 02	OPTIONAL TOOL KIT ASSEMBLY
FIGURE 03	ACTUATOR BRAKES ASSEMBLY
FIGURE 04	WATER PUMP INSTALLATION
FIGURE 05	WATER PUMP CONTROL VALVE ASSEMBLY
FIGURE 06	WATER PUMP MOTOR ASSEMBLY
FIGURE 07	WATER PUMP ASSEMBLY
FIGURE 08	NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
FIGURE 09	OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

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 **A40HP**. 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 A40HP PARTS MANUAL
10	FINAL INSTALLATION
20	HOPPER INSTALLATION
30	TANK INSTALLATION
40	POWER TRAIN INSTALLATION
50	CONTROL INSTALLATION
60	PUMPING TRAIN INSTALLATION
70	FRAME INSTALLATION
80	OPTIONAL INSTALLATION

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

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

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

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

2

3

4

5

1

2

3

4

5

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
-1	60-04	Assembly, Dual Shift Swing Valve (See Group 60, Figure 02 for NHA)	Ref
-2	86321	• Assembly, Outlet Group	1
3		• • Nut	6
4	72482	• • Outlet, Machine 5"	1
5		• • Fitting, Grease	2
6	79895	• • Kit, Outlet Seal	1
7	77761	• • • O-Ring, Large	1
8	77762	• • • O-Ring, Small	1
9	86504	• • • Seal, Modified Outlet Thick	1
10	77763	• • • Band, Guide	1
11	77765	• • • Seal, Outlet Thick	1
12	72309	• • Housing, Outlet Seal	1
13		• • Bolt, Hex	6
14		• • Nut, Nylock (attaching parts)	6
15		• • Washer, Lock (attaching parts)	6
16	70042	• • Outlet, Chromed	1
17		• • Bolt, Hex (attaching parts)	6
-18	86317	• Assembly, Swing Tube Group	1
19	85965	• • Weldment, Harsh Swing Tube	1
20	86065	• • Seal, 6 Inch Single Lip	1
21	72310	• • Ring, 6 Inch Single Lip Wear	1
22	86031	• • Plate, Wear	1
23	86086	• • Ring, Anti Chip	2
24		• • Bolt, Flat Head	4
25		• • Washer, Lock	4
26		• • Nut, Hex	4
27		• • Bolt, Hex	6
28		• • Washer, Lock	6
29	85962	• • Seal, Flange Bearing	1
30		• • Pin, Dowel	1
31		• • Fitting, Grease 90	2
32	85133	• • Bearing, 3 Inch Spline Flange	1
33	85294	• • Washer, Thrust	1
34	85134	• • Spacer, Swing Tube Nut	1
35	70825	• • Nut, Swing Tube	1
36		• • Pin Cotter	1
-37	86320	• Assembly, Swing Tube Dual Shift Group	1
38		• • Plug, Pipe	4
39	86052	• • Pin, Spring	4
40		• • Fitting, Grease 90	2
41	86441	• • Retainer, Swing Ram	2

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

4. DESCRIPTION

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

1 2 3 4 5

Assembly (or Installation)

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

- B. "See Group 60, Figure 02 For **NHA**"

Identifies the illustrated parts chapter location; indicates where the Next Higher Assembly (**NHA**) of the item shown.

- C. "See Group 60, Figure 07 For **DET**"

Identifies the illustrated parts chapter location; indicates where the item and its Detailed Breakdown (**DET**) is shown.

- D. "See Group 30, Figure 05 for **REF**" or "See Vendor Chapter For **REF**"

Identifies the illustrated parts chapter where the part is, and if listed and illustrated in Vendor Chapter. It is used as a cross-reference (**REF**).

5. QUANTITY

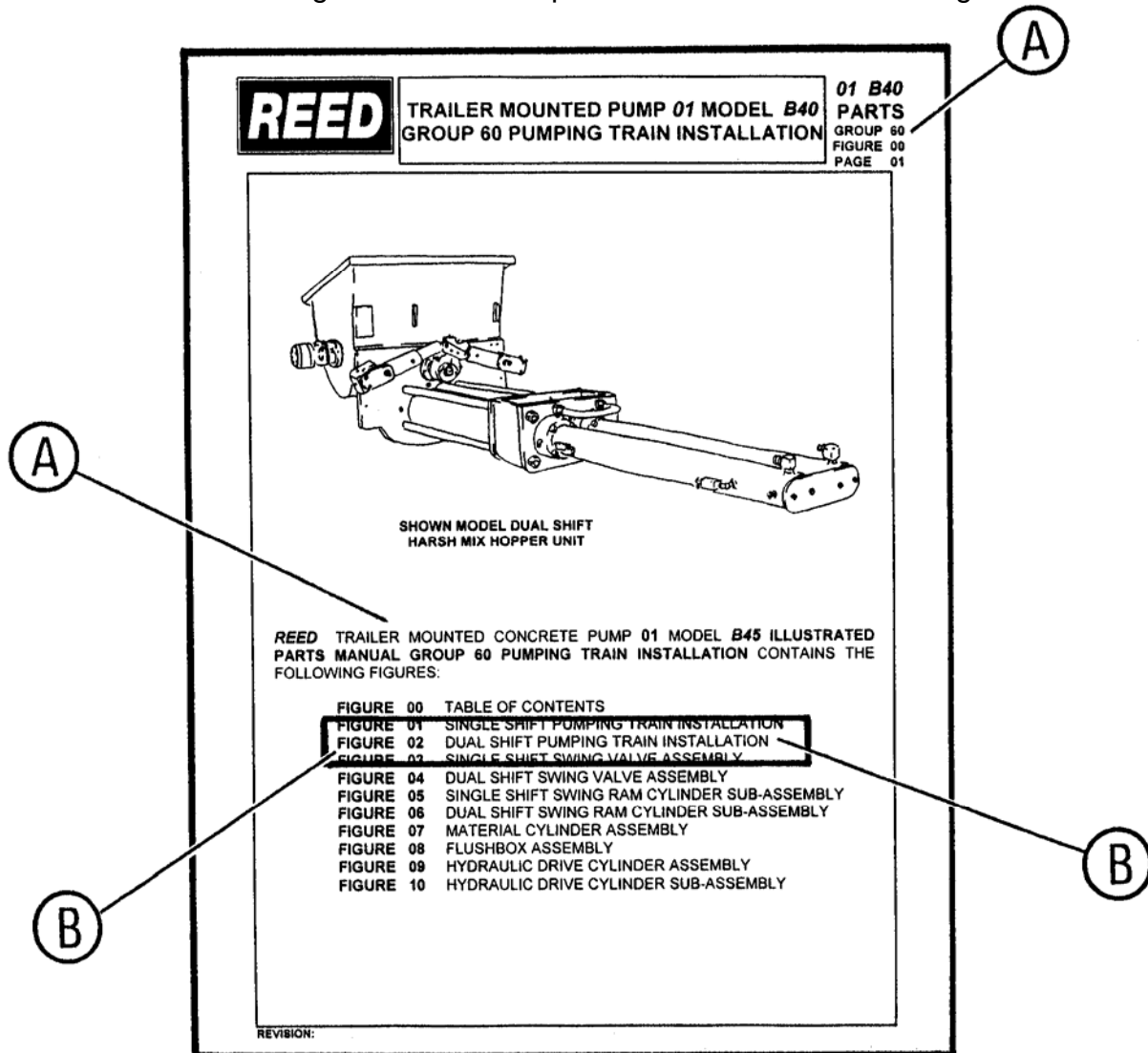
- A. Reference (**REF**) indicates the items that is listed previously in the Next Higher Assembly (**NHA**) and then again in this figure.
- B. As Required (**A/R**) indicates the parts that is used in a quantity as required.
- C. A number entry indicates the quantity of the part used in its next higher application.

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

1. Always give serial number and model of **REED** trailer mounted concrete pump model **A40HP**. (Refer to each unit name plate shown below). NOTE: This manual is being released to cover unit starting with serial number **3-08-1-2807** to current production. Some components used on earlier units differ from current productions. Where this occurs, the part is identified by a serial number.

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

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



REED

TRAILER MOUNTED PUMP MODEL A40HP HOW TO ORDER PARTS

A40HP
PARTS
GROUP 00
FIGURE 02
PAGE 02

REED
DUAL SHIFT SWING VALVE ASSEMBLY
01 B40
PARTS
GROUP 00
FIGURE 04
PAGE 01

REED
DUAL SHIFT SWING VALVE ASSEMBLY
01 B40
PARTS
GROUP 00
FIGURE 04
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
-1	60-04	Assembly, Dual Shift Swing Valve (See Group 60, Figure 02 for NHA)	Ref
-2	86321	• Assembly, Outlet Group	1
3		• • Nut	6
4	72482	• • Outlet, Machine 5"	1
5		• • Fitting, Grease	2
6	70895	• • Kit, Outlet Seal	1
7	77761	• • O-Ring, Large	1
8	77762	• • O-Ring, Small	1
9	86504	• • Seal, Modified Outlet Thick	1
10	77763	• • Band, Guide	1
11	77765	• • Seal, Outlet Thick	1
12	72309	• • Housing, Outlet Seal	1
13		• • Bolt, Hex	6
14		• • Nut, Nylock (attaching parts)	6
15		• • Washer, Lock (attaching parts)	6
16	70042	• • Outlet, Chromed	1
17		• • Bolt, Hex (attaching parts)	6
-18	86317	• Assembly, Swing Tube Group	1
19	85965	• • Weldment, Harsh Swing Tube	1
20	86085	• • Seal, 6 Inch Single Lip	1
21	72310	• • Ring, 6 Inch Single Lip Wear	1
22	86031	• • Plate, Wear	1
23	86086	• • Ring, Anti Chip	2
24		• • Bolt, Flat Head	4
25		• • Washer, Lock	4
26		• • Nut, Hex	4
27		• • Bolt, Hex	6
28		• • Washer, Lock	6
29	85962	• • Seal, Flange Bearing	1
30		• • Pin, Dowel	1
31		• • Fitting, Grease 90	2
32	86193	• • Bearing, 3 Inch Spine Flange	1
33	85294	• • Washer, Thrust	1
34	86184	• • Spacer, Swing Tube Non	1
35	70625	• • Nut, Swing Tube	1
36		• • Pin, Cotter	1
-37	86320	• Assembly, Swing Tube Dual Shift Group	1
38		• • Plug, Pipe	4
39	86082	• • Pin, Spring	4
40		• • Fitting, Grease 90	2
41	86441	• • Retainer, Swing Ram	2

DASH (-) ITEM NOT ILLUSTRATED

C. Turn to corresponding page, find the group and figure.

D. Check your required part and its attaching parts and match with illustration page.

E. Refer to corresponding item number in the part list page.
Part numbers are located in the part number column.

F. When ordering variable or optional miscellaneous parts which are not found this in parts chapter, follow the above outlined procedure of how to order parts.

- 1). When applicable, give model and serial number of the component for which parts are desired.
- 2). In a specific, difficult to describe situation, a marked-up photograph or detailed sketch would be helpful.

REVISION:



TRAILER MOUNTED PUMP MODEL **A40HP** HOW TO ORDER PARTS

A40HP

PARTS

GROUP 00

FIGURE 02

PAGE 03

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

5. TO ORDER

A. BY MAIL

Attention: Parts Department

REED LLC

13822 Oaks Avenue
Chino, CA. 91710

B. BY FAX

(909) 287 - 2141

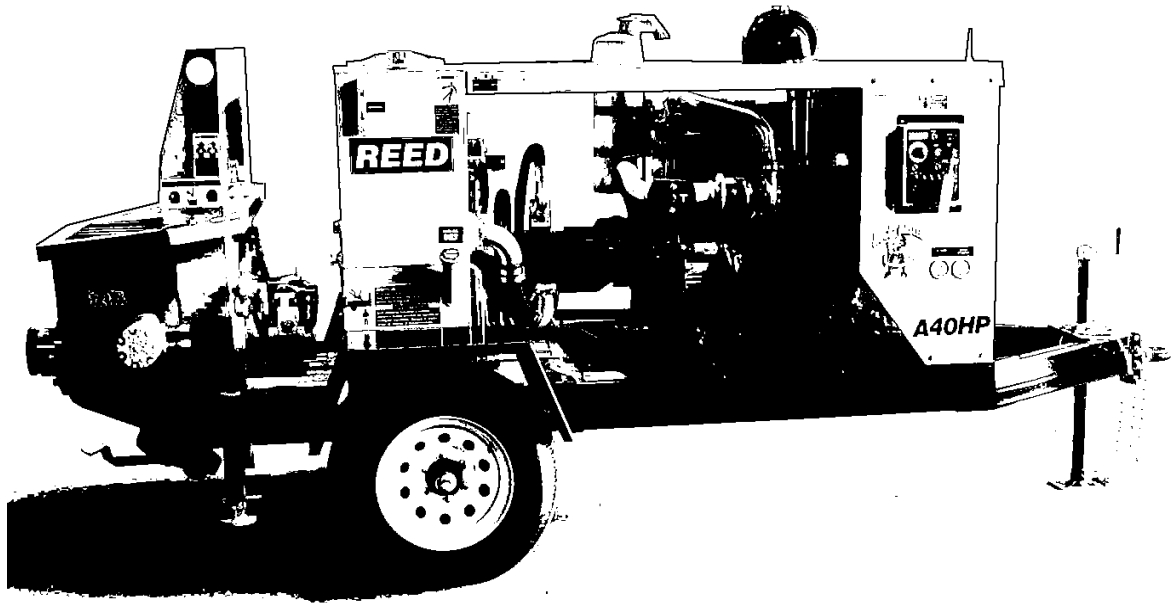
C. BY PHONE

(909) 287 - 2100

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

REED TRAILER MOUNTED CONCRETE PUMP 01 MODEL A40HP ILLUSTRATED PARTS MANUAL GROUP 10 FINAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

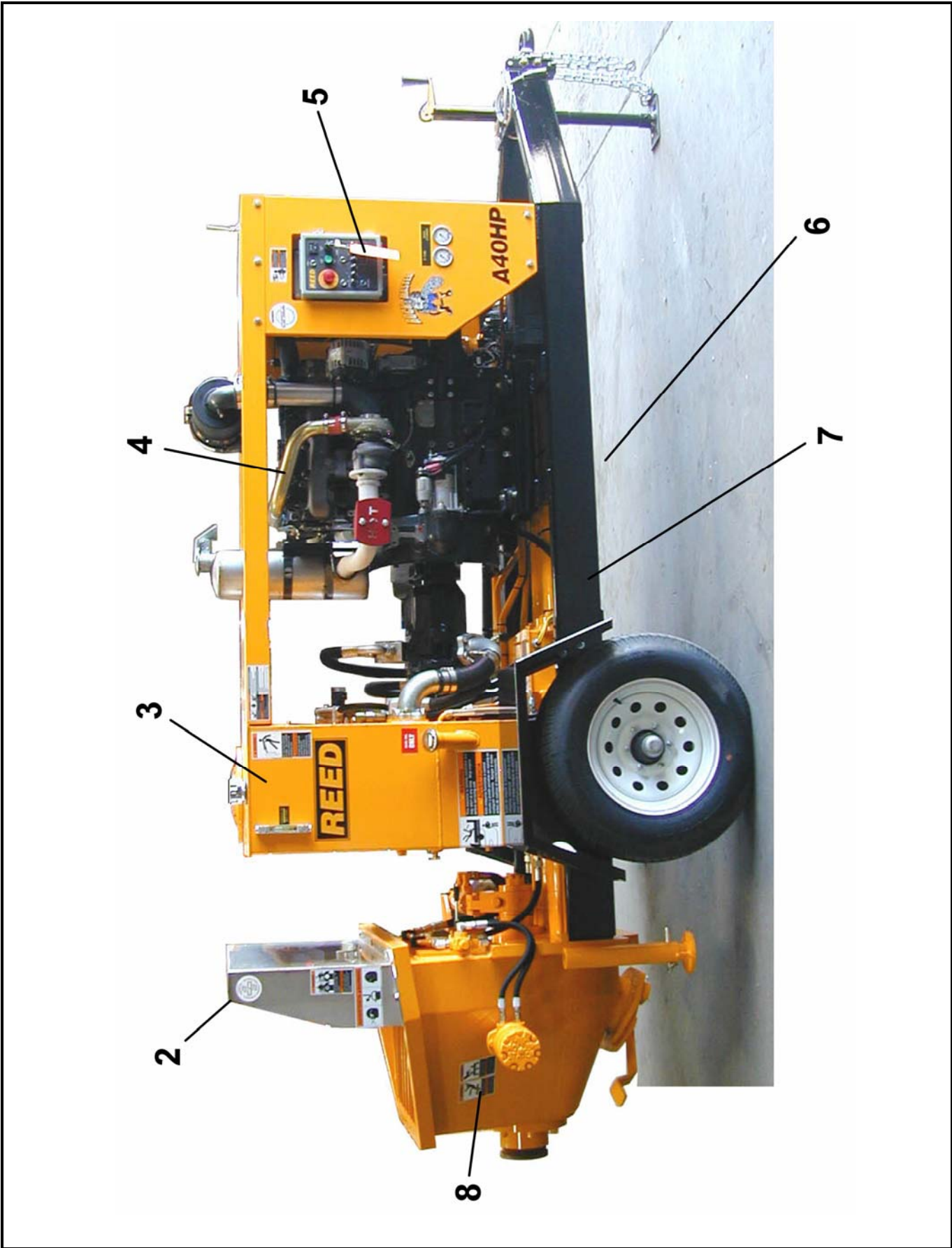
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** FINAL INSTALLATION
- FIGURE 02** DECAL ASSEMBLY





TRAILER MOUNTED PUMP MODEL A40HP
FINAL INSTALLATION

A40HP
PARTS
GROUP 10
FIGURE 01
PAGE 01



REVISION:



FINAL INSTALLATION GROUP 10 FINAL INSTALLATION

A40HP
PARTS
GROUP 10
FIGURE 01
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	A40-V01	Installation, A40HP Final	Ref
2	20-02	• Installation, Hopper (See Group 20, Figure 01 for DET)	1
3	30-01	• Installation, Tank (See Group 30, Figure 01 for DET)	1
4	40-01	• Installation, Power Train (See Group 40, Figure 01 for DET)	1
5	50-01	• Installation, Control (See Group 50, Figure 01 for DET)	1
6	60-01	• Installation, Single Shift Pumping Train (See Group 60, Figure 01 for DET)	1
7	70-01	• Installation, Frame (See Group 70, Figure 01 for DET)	1
8	10-02	• Kit, A40HP Decal (See Group 10, Figure 02 for DET)	1

REVISION:

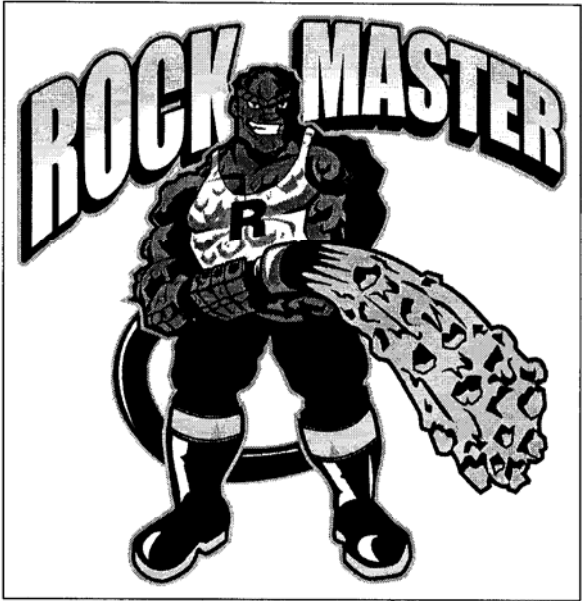
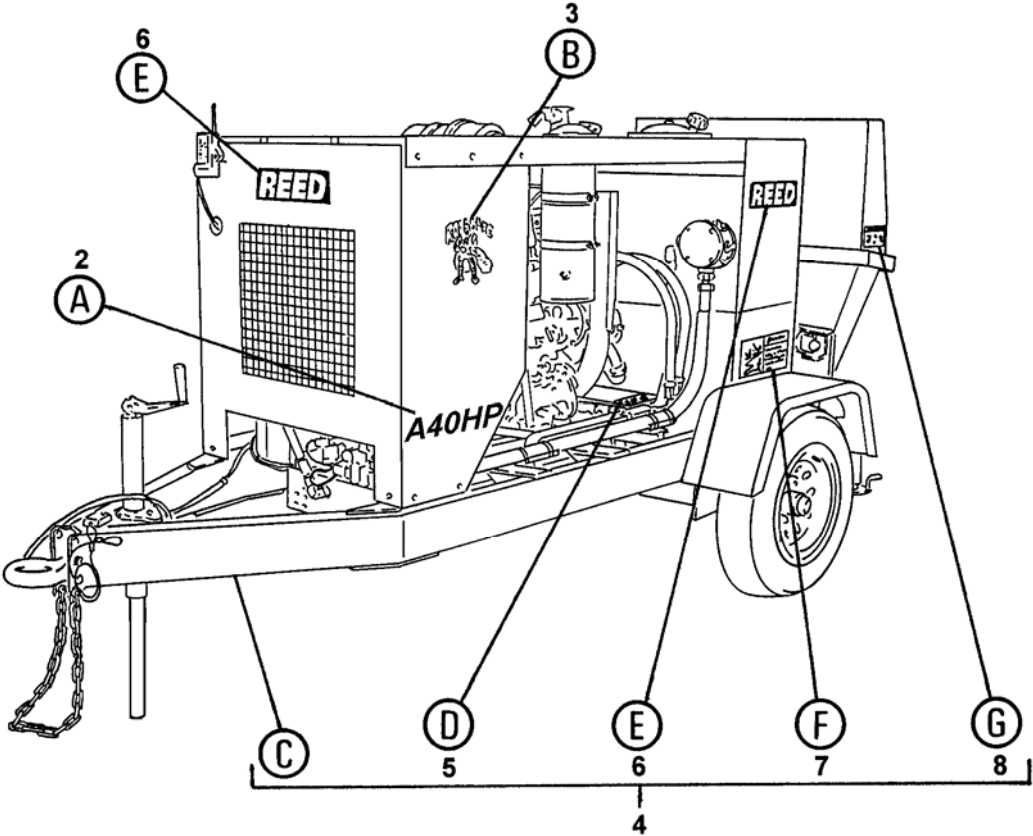
**DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	10-02	Group, A40HP Decal (See Group 10, Figure 01 for NHA)	Ref
2	BW10406	• Decal, A40HP	2
3	BW10100	• Decal, ROCKMAN	2
4	BW10121	• Kit, A-Series Decal	1
5	800916	• • Decal, Warning, Keep Hand Out of Water Box	1
6	BW10128	• • Decal, REED 4 ¼ X 12 ½ Inch	3
7	800924	• • Decal, Warning, This Machine is Remote Controlled and	2
8	800929A	• • Decal, Warning	2
9	800931	• • Decal, ACPA Member	1
10	85844	• • Decal, Oil Level	1
11	75020	• • Decal, Hydraulic Oil	1
12	75017	• • Decal, Diesel Fuel Only	1
13	800925	• • Decal, Warning, Do Not Operate This Machine without	1
14	86636	• • Nameplate, REED , Serial No.	1
15	800921	• • Decal, Warning, Do Not Operate at Pressures Exceeding	1
16	73132	• • Decal, REED 4 1/2 Inch	1
17	800922	• • Decal, Warning, Before Opening a Blocked Pipeline	1
18	800918	• • Decal, Warning, Do Not Stand on Hopper Grate	2
19	BW10351	• • Decal, Gauges	1
20	803225	• • Decal, Leaks Hazard	2
21	803226	• • Decal, How to Order	1
22	803229	• • Decal, CPMA Member	1
23	803231	• • Decal, Toxic Dust	2
24	803235	• • Decal, 1-7 Operation Signals	1
25	803237	• • Decal, Pressurized Pipes	2
26	800917	• • Decal, Warning, No Hands - Hopper	2
		DASH (-) ITEM NOT ILLUSTRATED	



DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION

A40HP
PARTS
GROUP 10
FIGURE 02
PAGE 02



A40HP

B

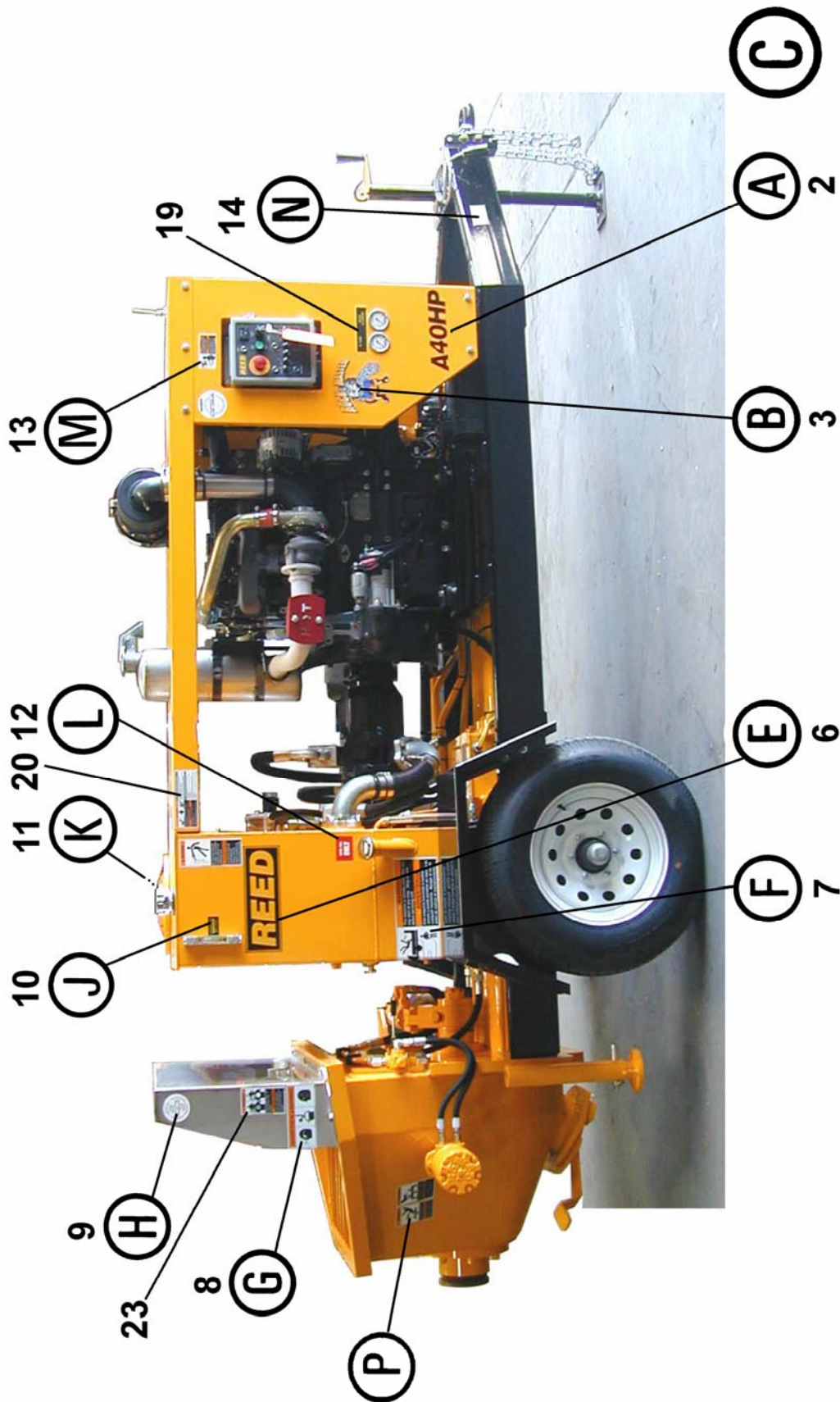
3

A



DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION

A40HP
PARTS
GROUP 10
FIGURE 02
PAGE 03





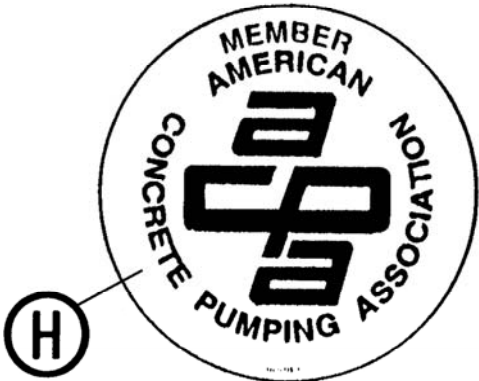


DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION

A40HP
PARTS
GROUP 10
FIGURE 02
PAGE 05



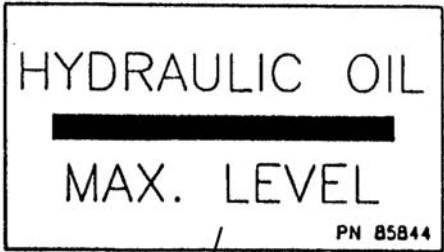
G
8



H
9



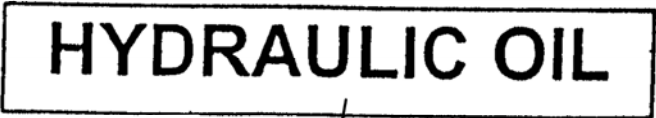
M
13



J
10



L
12



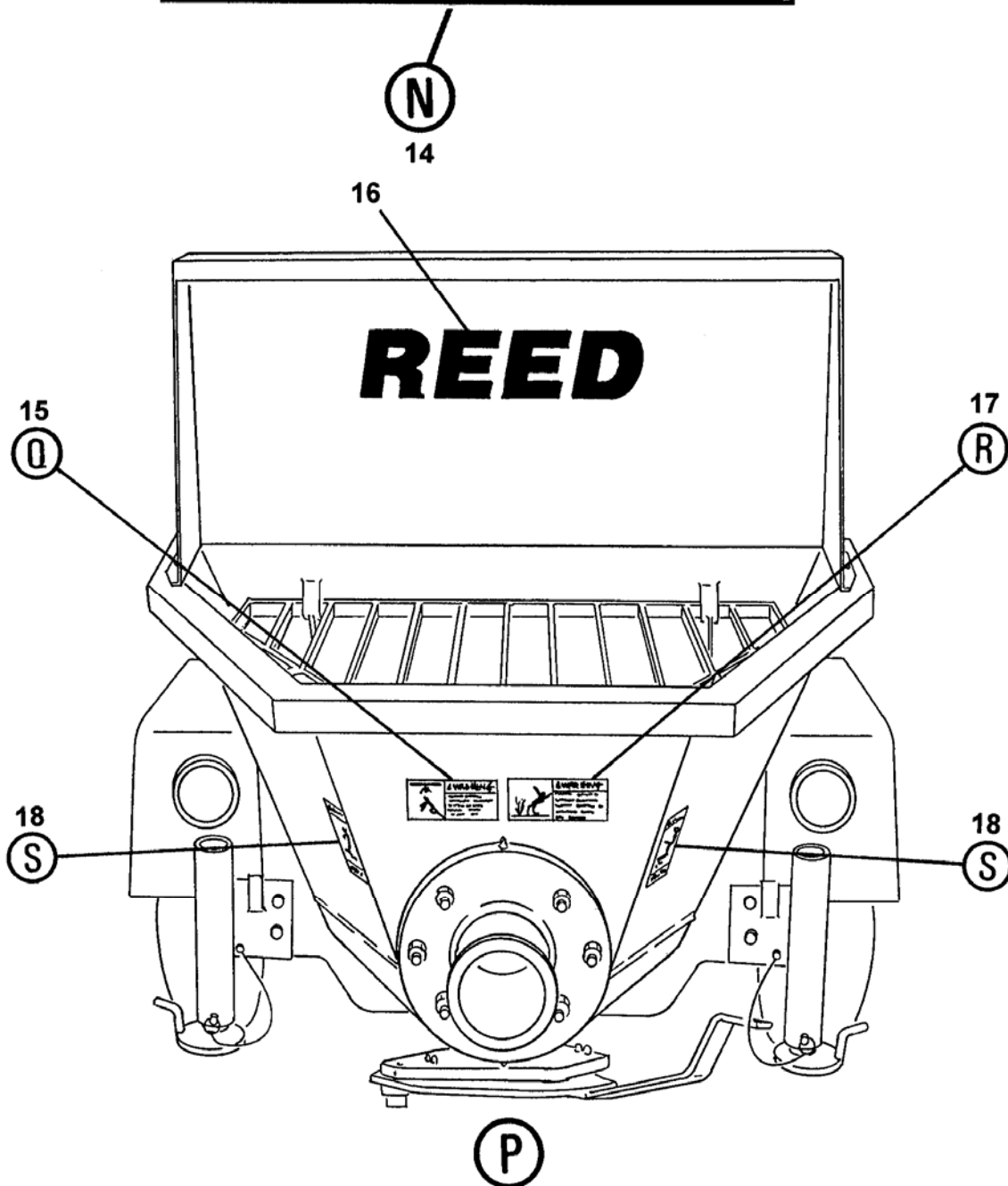
K
11

REED

DECAL ASSEMBLY GROUP 10 FINAL INSTALLATION

A40HP
PARTS
GROUP 10
FIGURE 02
PAGE 06

REED 13822 OAKS AVENUE CHINO, CA 91710 USA		PHONE (909) 287 - 2100 FAX (909) 287 - 2140	
MODEL		SERIAL NO.	
MATERIAL PRESSURE		PSI	BAR
HYDRAULIC PRESSURE		PSI	BAR
ENGINE / PTO ELECTRIC MOTOR		RPM	VOLTS
PN 86636			



REVISION:



DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION

A40HP
PARTS
GROUP 10
FIGURE 02
PAGE 07



WARNING

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

ADVERTENCIA

No utilizar a presiones que excedan la presión nominal de todo el material de la línea de entrega.

Do not paint over this label/No pintar encima de ésta etiqueta 800921

Q
15



WARNING

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

ADVERTENCIA

Alivie la presión antes de destapar una tubería bloqueada, invirtiendo para ello la bomba. Vea el manual.

Do not paint over this label/No pintar encima de ésta etiqueta 800922

R
17

WARNING

Stay off hopper grates.

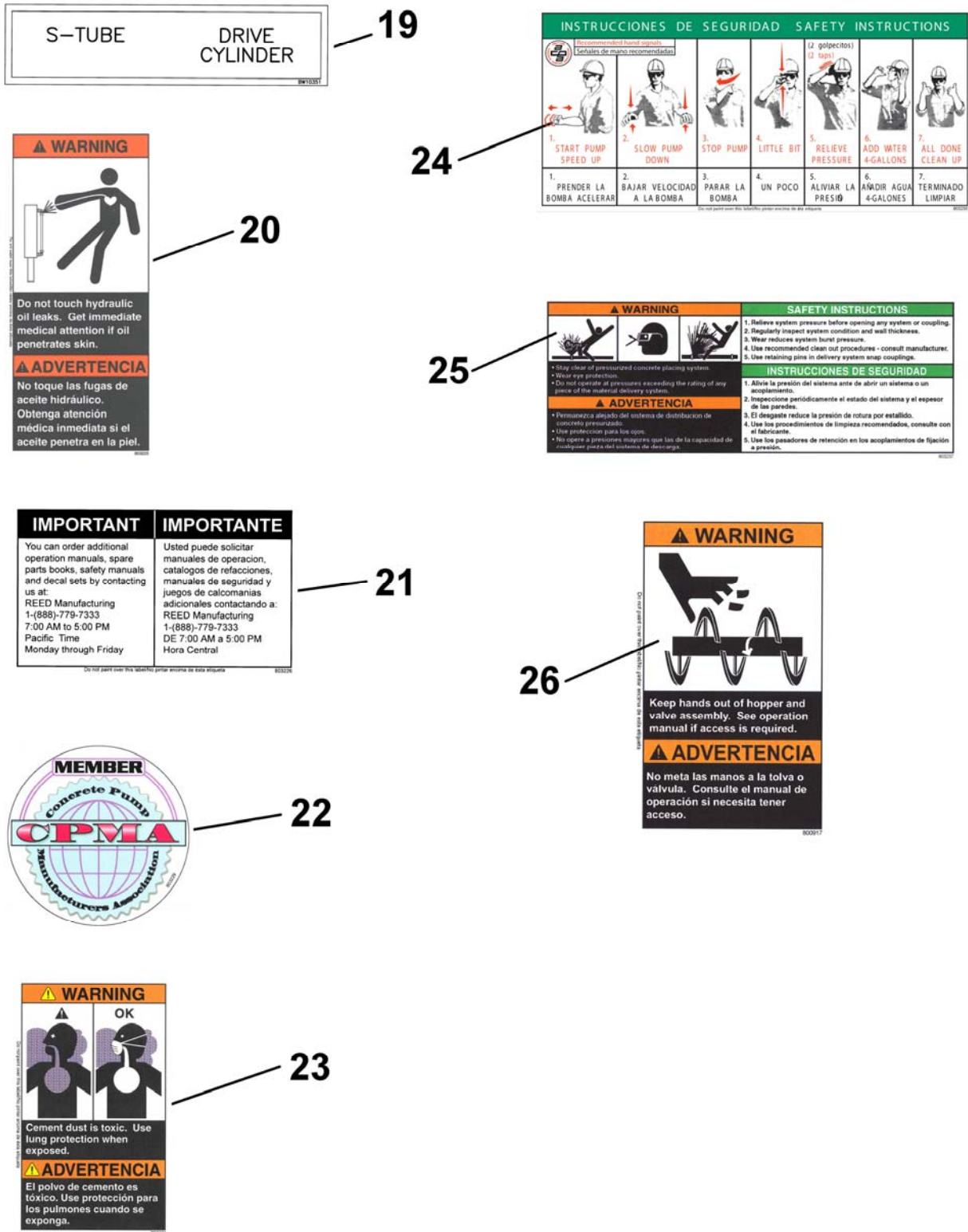
ADVERTENCIA

Manténgase alejado de la rejilla que cubren la tolva.

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

800918

S
18





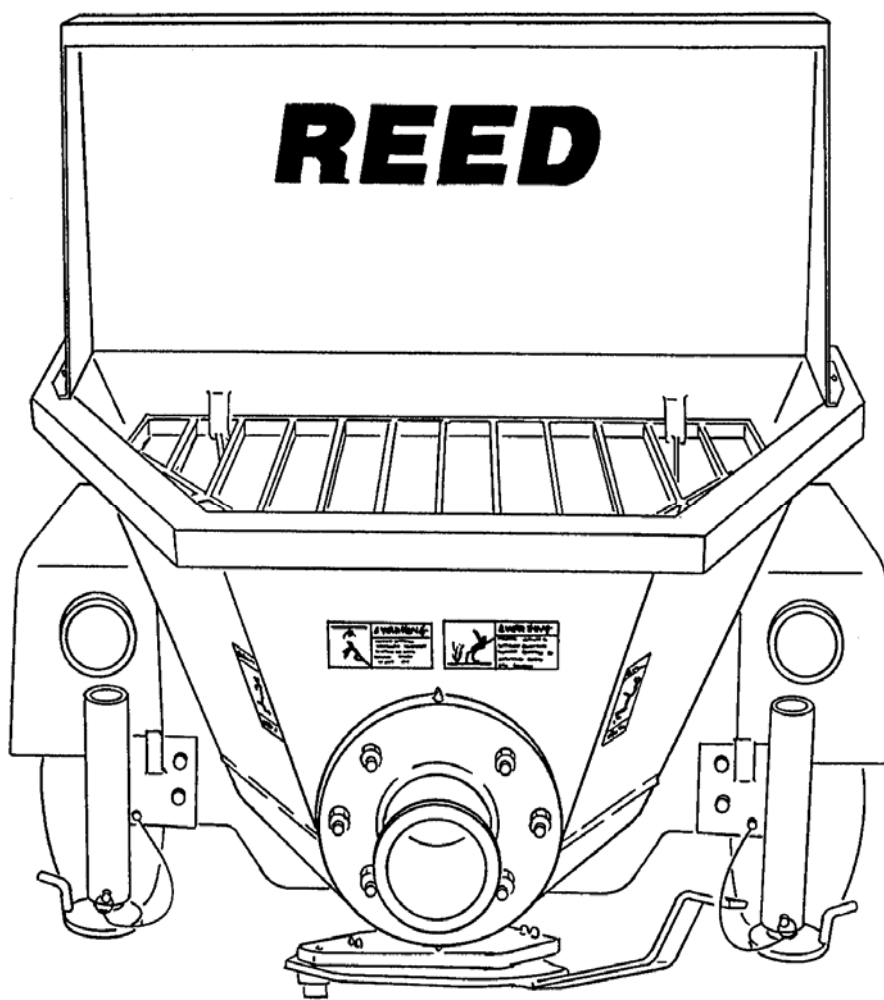
**DECAL ASSEMBLY
GROUP 10 FINAL INSTALLATION**

**A40HP
PARTS**
GROUP 10
FIGURE 03
PAGE 01

THIS PAGE INTENTIONALLY LEFT BLANK.

REED TRAILER MOUNTED CONCRETE PUMP 01 MODEL A40HP ILLUSTRATED PARTS MANUAL GROUP 20 HOPPER INSTALLATION CONTAINS THE FOLLOWING FIGURES:

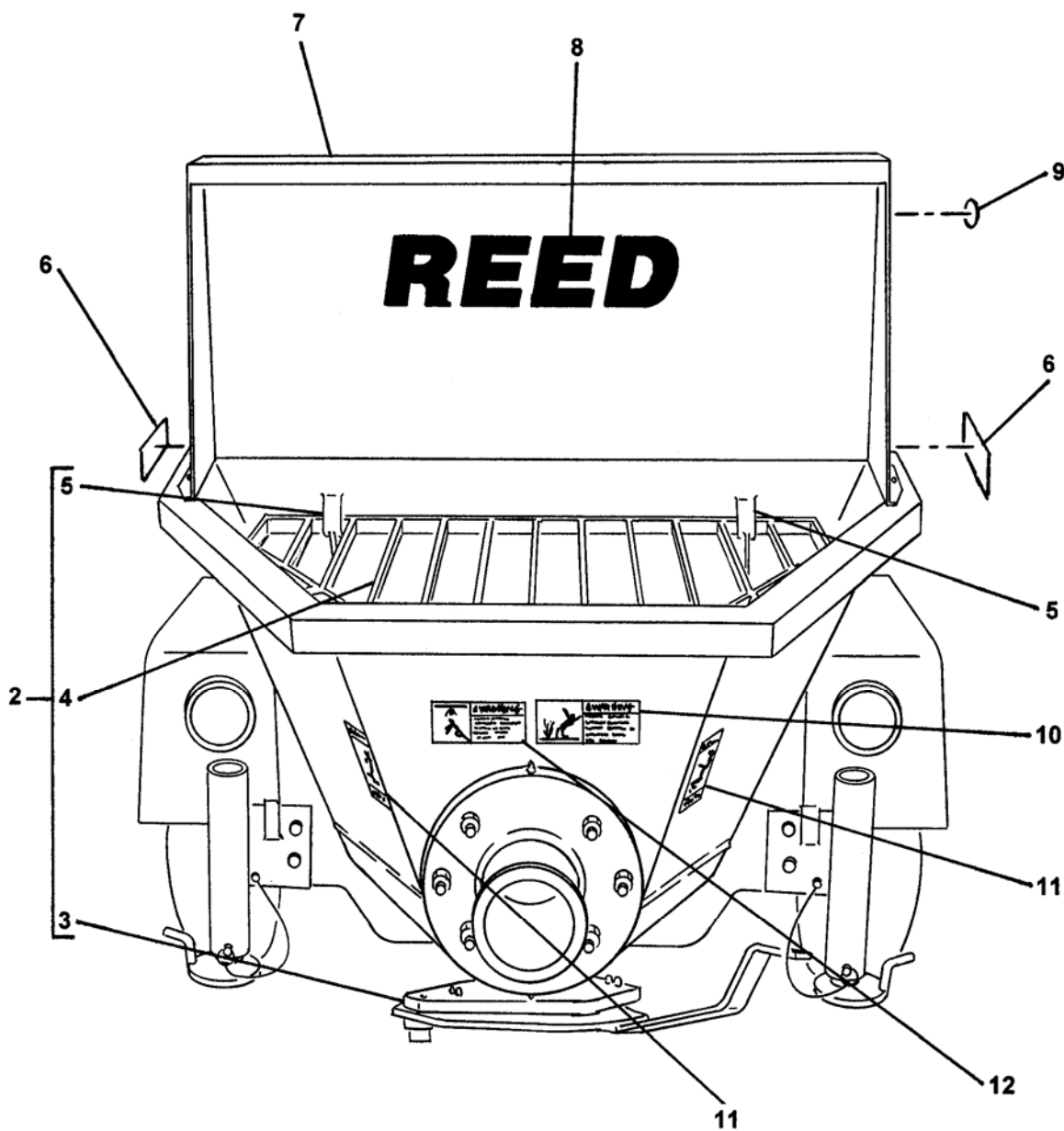
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** HOPPER INSTALLATION
- FIGURE 02** HOPPER CLEAN OUT DOOR ASSEMBLY
- FIGURE 03** HOPPER AGITATOR ASSEMBLY
- FIGURE 04** HOPPER AGITATOR MOTOR ASSEMBLY
- FIGURE 05** 1 SPOOL CONTROL VALVE ASSEMBLY
- FIGURE 06** 1 SPOOL CONTROL VALVE SUB-ASSEMBLY





STANDARD HOPPER INSTALLATION

A40HP
PARTS
GROUP 20
FIGURE 01
PAGE 01



REVISION:



HOPPER INSTALLATION

A40HP**PARTS**

GROUP 20

FIGURE 01

PAGE 02

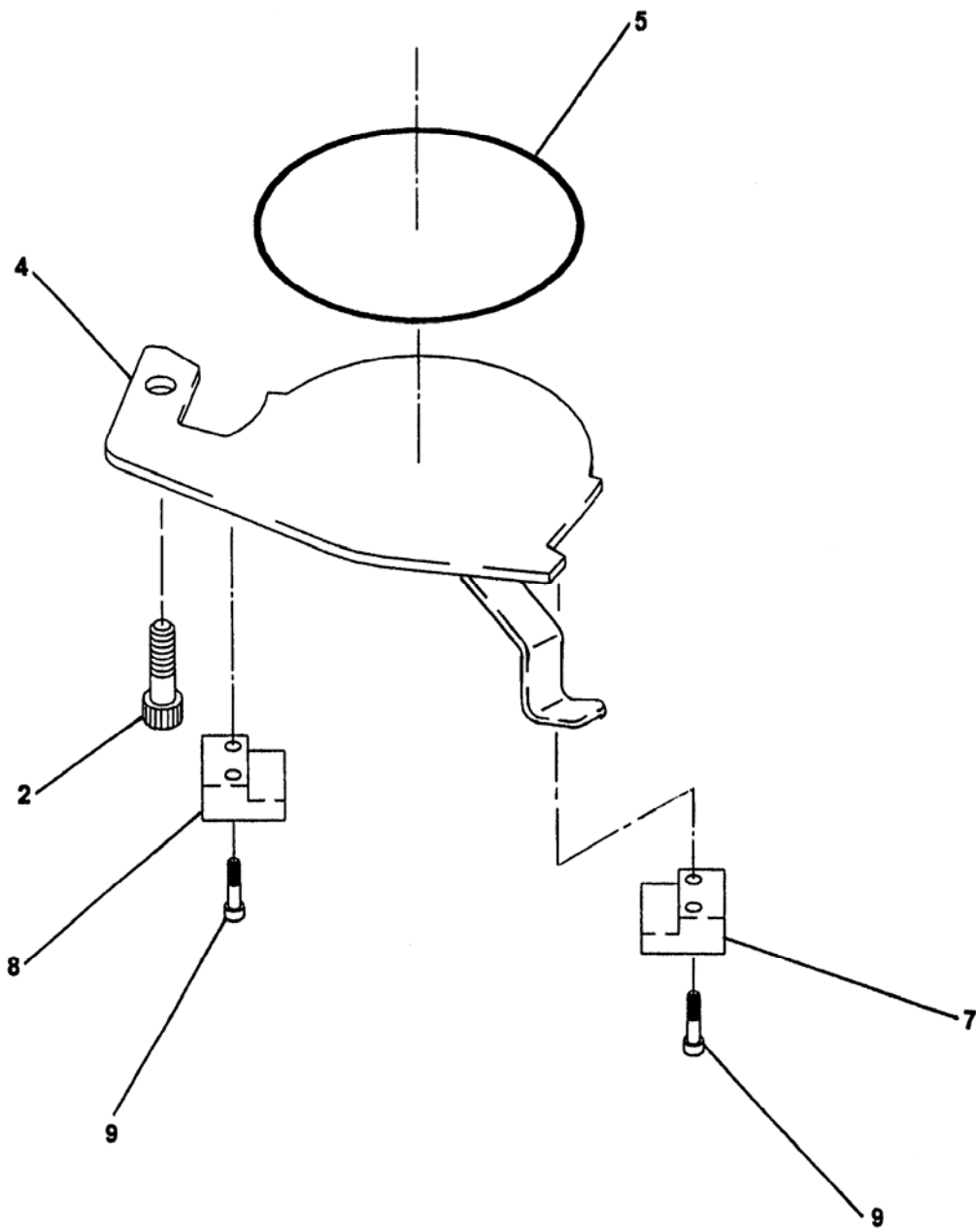
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	BW24040	Group, Hopper (See Group 10, Figure 01 for NHA)	Ref
2	BW10363	• Weldment, Hopper	1
3	86542	• • Assembly, Clean Out Door (See Group 20, Figure 02 for DET)	1
4	BW10042	• • Grate, Hopper	1
5	72679	• • Hinge, Grate	
6	800929A	• Decal, Warning	2
7	85714	• Guard, Splash	1
8	73132	• Decal, REED 4 ½ Inch	1
9	800931	• Decal, ACPA Member	1
10	800922	• Decal, Warning, Before Opening a Blocked Pipeline,	1
11	800917	• Decal, Warning, Keep Hand Out of Hopper and Valve	2
-12	73433	• Cover-Remix	1
-13	73434	• Cover Plate	1
-14	86623	• Seal, Agitator	1
-15	Bw10384	• Spacer, Ring	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



HOPPER CLEAN OUT
DOOR ASSEMBLY

A40HP
PARTS
GROUP 20
FIGURE 02
PAGE 01





HOPPER CLEAN OUT DOOR ASSEMBLY

A40HP**PARTS**

GROUP 20

FIGURE 02

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86542	Assembly, Rounded Clean Out Door (See Group 20, Figure 01 and Figure 02 for NHA)	Ref
2	86922	• Bolt, Shoulder	1
3	-	• OPEN	-
4	86988	• Door, Weldment Clean-Out	1
5	W-102908A	• Cord, Hopper Door O-Ring 2.21 FT	1
6	-	• OPEN	-
7	86560	• Block, RH Clean Out Door	1
8	86559	• Block, LH Clean Out Door	1
9		• Capscrew, Socket Head	4
-10	85312	• Plate, Seal	1
-11	85371	• Neck, Clean Out Door	1

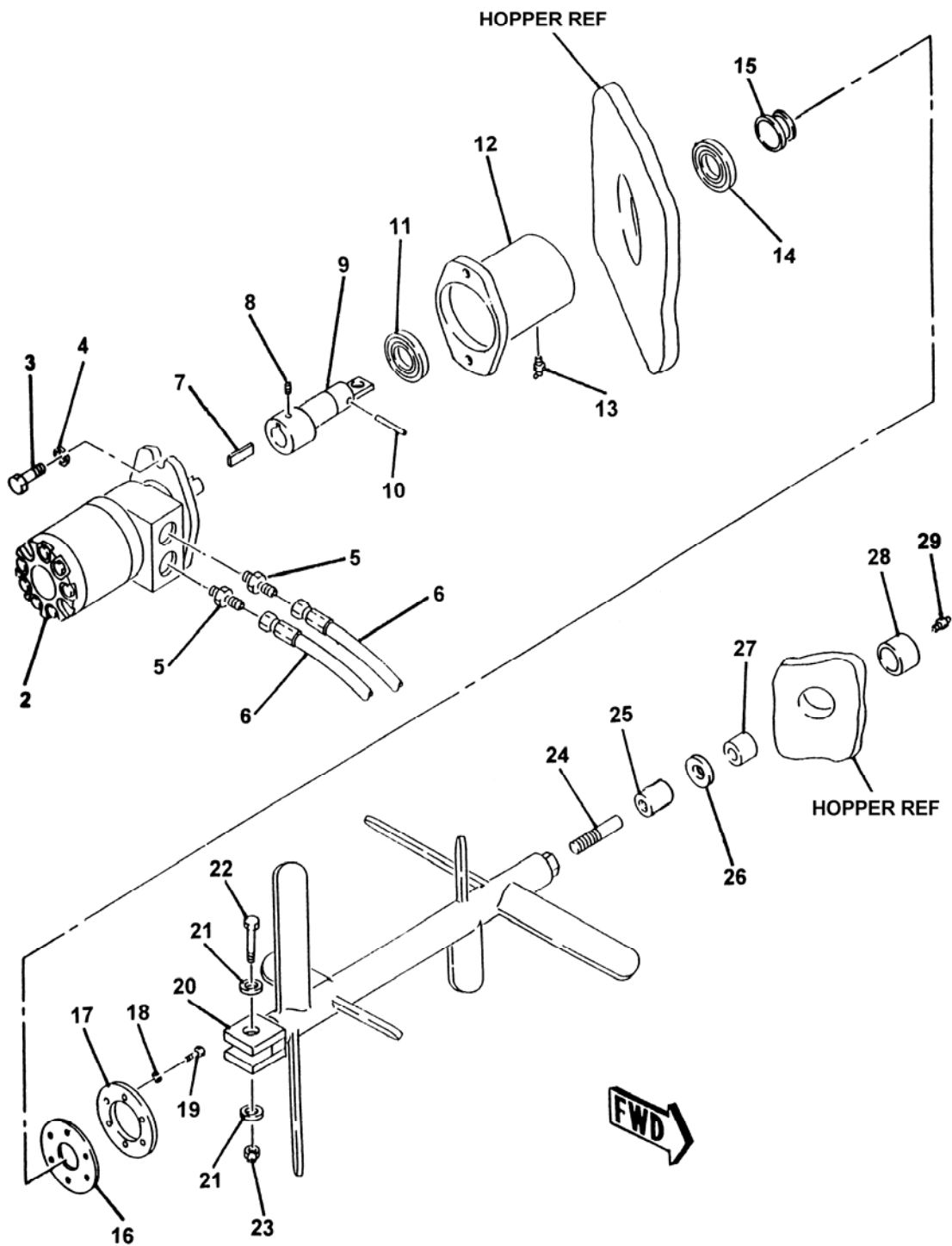
REVISION:



HOPPER
AGITATOR ASSEMBLY

A40HP
PARTS

GROUP 20
FIGURE 03
PAGE 01



REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85761	Assembly, Standard Hopper Agitator (Optional Item) (See Group 20, Figure 01 for NHA)	Ref
2	85811	• Assembly, Standard Hopper Agitator Motor (See Group 20, Figure 07 for DET)	1
3		• Bolt, Hex (attaching parts)	1
4		• Washer, Lock (attaching parts)	2
5		• Fitting, STR	2
6	85658-002	• Assembly, Hose	2
7	30216	• Key	1
8	80374	• Screw, Set	1
9	85923	• Shaft, Agitator	1
10	86758	• Pin, Spring	1
11	85979	• Bearing, with Seal Ball	1
12	70226	• Housing, Bearing with Flange (Welded on Standard Hopper)	1
13	80516	• Fitting, 90 Grease	1
14	85978	• Bearing, Plain Ball	1
15	85976	• Ring, Agitator Wear	1
16	70212	• Seal	1
17	70211	• Flange, Seal	1
18		• Washer, Lock (attaching parts)	6
19		• Bolt, Hex (attaching parts)	6
20	85717	• Weldment, Agitator Shaft	1
21		• Washer, Lock (attaching parts)	2
22	80156	• Screw, Hex Head Cap (attaching parts)	1
23	80019	• Nut (attaching parts)	1
24	70214	• Shaft, Idle	1
25	77877	• Spacer	1
26		• Washer	1
27	70219	• Bearing, Idler	1
28	70210	• Housing, Idler Bearing (Welded on Standard Hopper)	1
29		• Fitting, STR Grease	1
30	85846	• Decal, Agitator	1
33			

HOPPER AGITATOR MOTOR ASSEMBLY

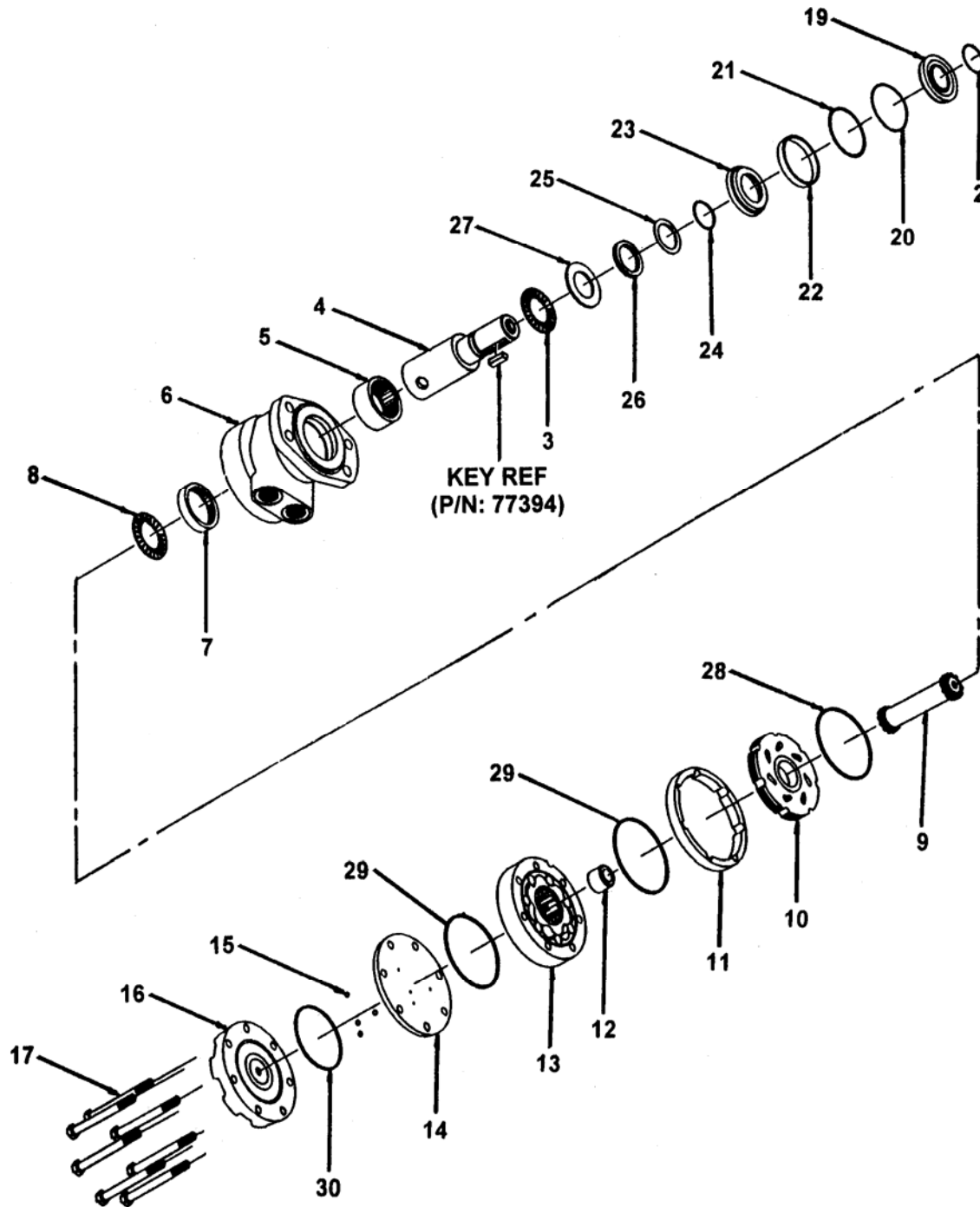
A40HP

PARTS

GROUP 20

FIGURE 04

PAGE 01



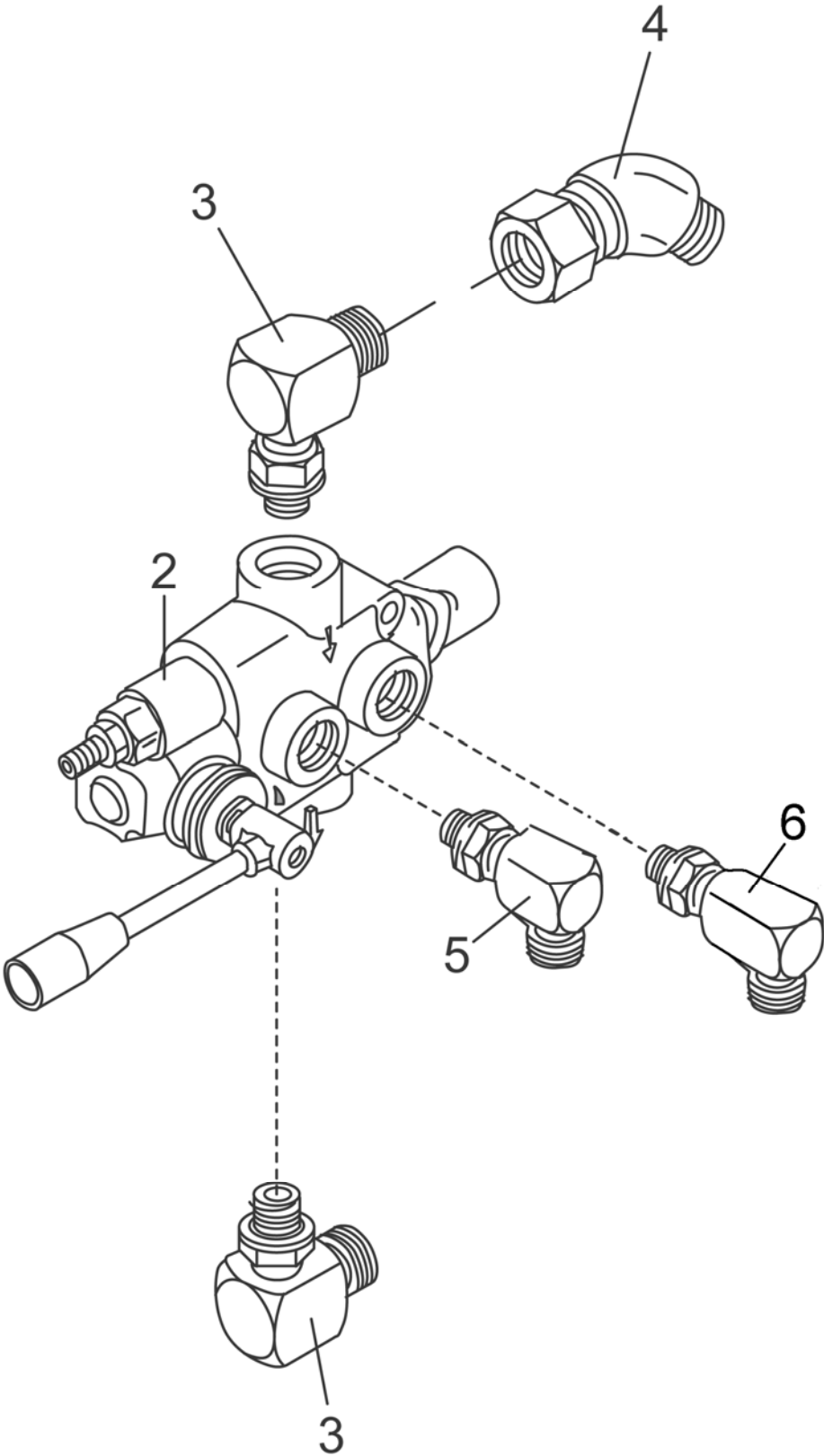
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85811	Assembly, Standard Hopper Agitator Motor (See Group 20, Figure 04 for NHA)	Ref
2		• Ring, Wire	1
3		• Bearing, Front Thrust	1
4		• Kit, Shaft	1
5		• Bearing, Front Housing	1
6		• Kit, Housing	1
7		• Bearing, Rear Housing	1
8		• Bearing, Rear Thrust	1
9		• Kit, Drive Link	1
10		• Bearing, Front Thrust	1
11		• Manifold	1
12		• Boot, Manifold	1
13		• Kit, Free Turn Rotor	1
14		• Plate, Balance	1
15		• Ball, Steel	4
16		• Cover, Motor End	1
17		• Bolt, Hex (attaching parts)	7
-18	85809SK	• Kit, Seal	1
19		• • Seal, Dust	1
20		• • Ring, Split Wire	1
21		• • Shim, Metal Back Up	1
22		• • Seal, High Pressure	1
23		• • Carrier, Seal	1
24		• • Shim, Metal Back Up	1
25		• • Seal, Polyamid	1
26		• • Seal, Shaft	1
27		• • Washer, Thrust	1
28		• • Seal, Rear Housing	1
29		• • Seal, Body	2
30		• • Seal, End Cover	1

DASH (-) ITEM NOT ILLUSTRATED



1 SPOOL CONTROL
VALVE ASSEMBLY

A40HP
PARTS
GROUP 20
FIGURE 05
PAGE 01





1 SPOOL CONTROL VALVE ASSEMBLY

A40HP**PARTS**

GROUP 20

FIGURE 05

PAGE 02

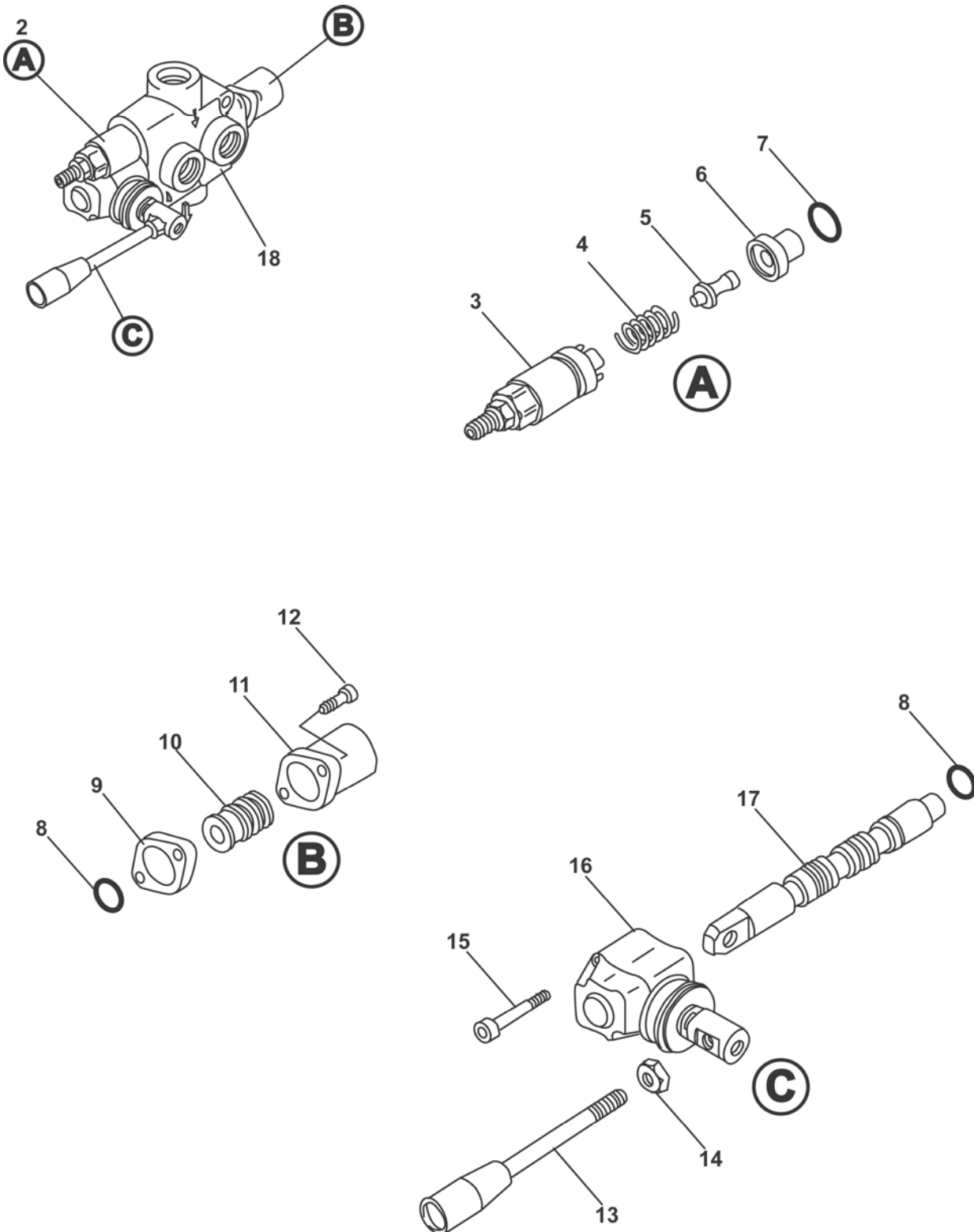
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-05	Assembly, 1 Spool Control Valve (See Group 20, Figure 01 for NHA)	Ref
2	74584	• Sub-Assembly, 1 Spool Control Valve (See Group 20, Figure 06 for DET)	1
3		• Fitting, 90	2
4		• Fitting, 45	1
5		• Fitting, 90	1
6		• Fitting, 90 Long Neck	1

REVISION:

**1 SPOOL CONTROL
VALVE SUB-ASSEMBLY**

**A40HP
PARTS**

GROUP 20
FIGURE 06
PAGE 01



**1 SPOOL CONTROL
VALVE SUB-ASSEMBLY**

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	74584	Sub-Assembly, 1 Spool Control Valve (See Group 80, Figure 16 for NHA)	Ref
2	85706	• Cartridge, Relief	1
3		• • Kit, Screw	1
4		• • Spring	1
5		• • Pin, Screw Kit	1
6		• • Ring	1
7		• • O-Ring	1
8		• O-Ring	2
9		• Spacer	1
10		• Kit, Spool Control	1
11		• Cap, Spool	1
12		• Screw, SOC (attaching Parts)	2
13		• Handle, Remixer Valve	1
14		• Nut (attaching parts)	1
15		• Screw, SOC	2
16		• Lever, L	1
17		• Spool	1
18		• Body, Valve	1

DASH (-) ITEM NOT ILLUSTRATED



TRAILER MOUNTED PUMP MODEL *A40HP*
ILLUSTRATED PARS MANUAL

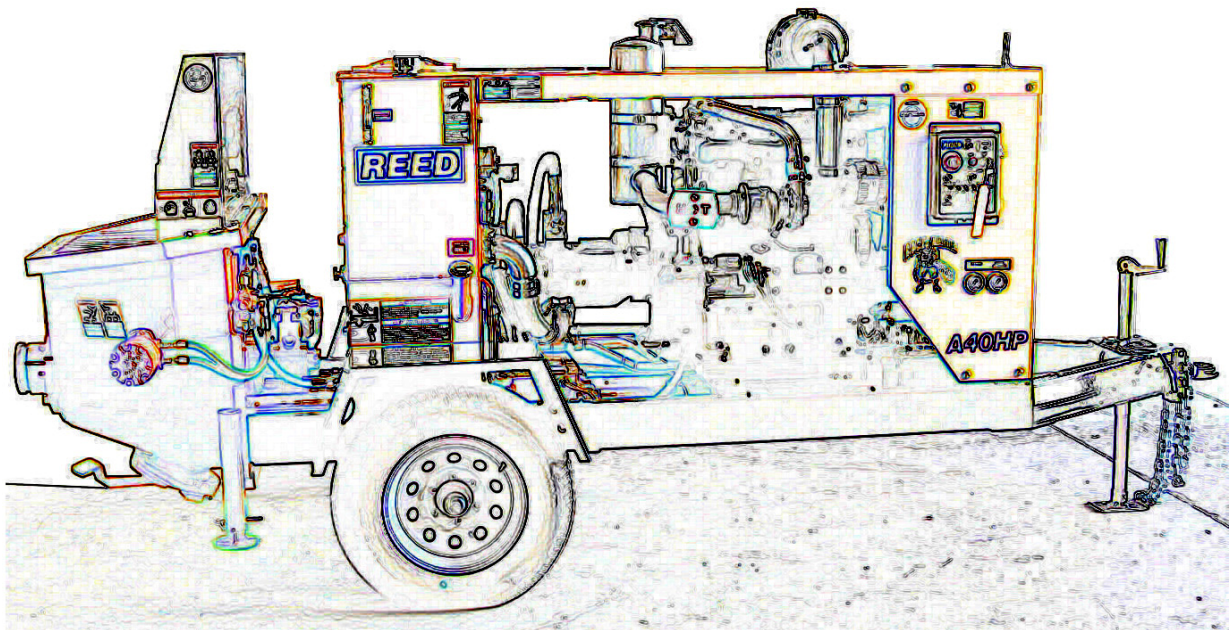
A40HP
PARTS
GROUP 20
FIGURE 07
PAGE 01

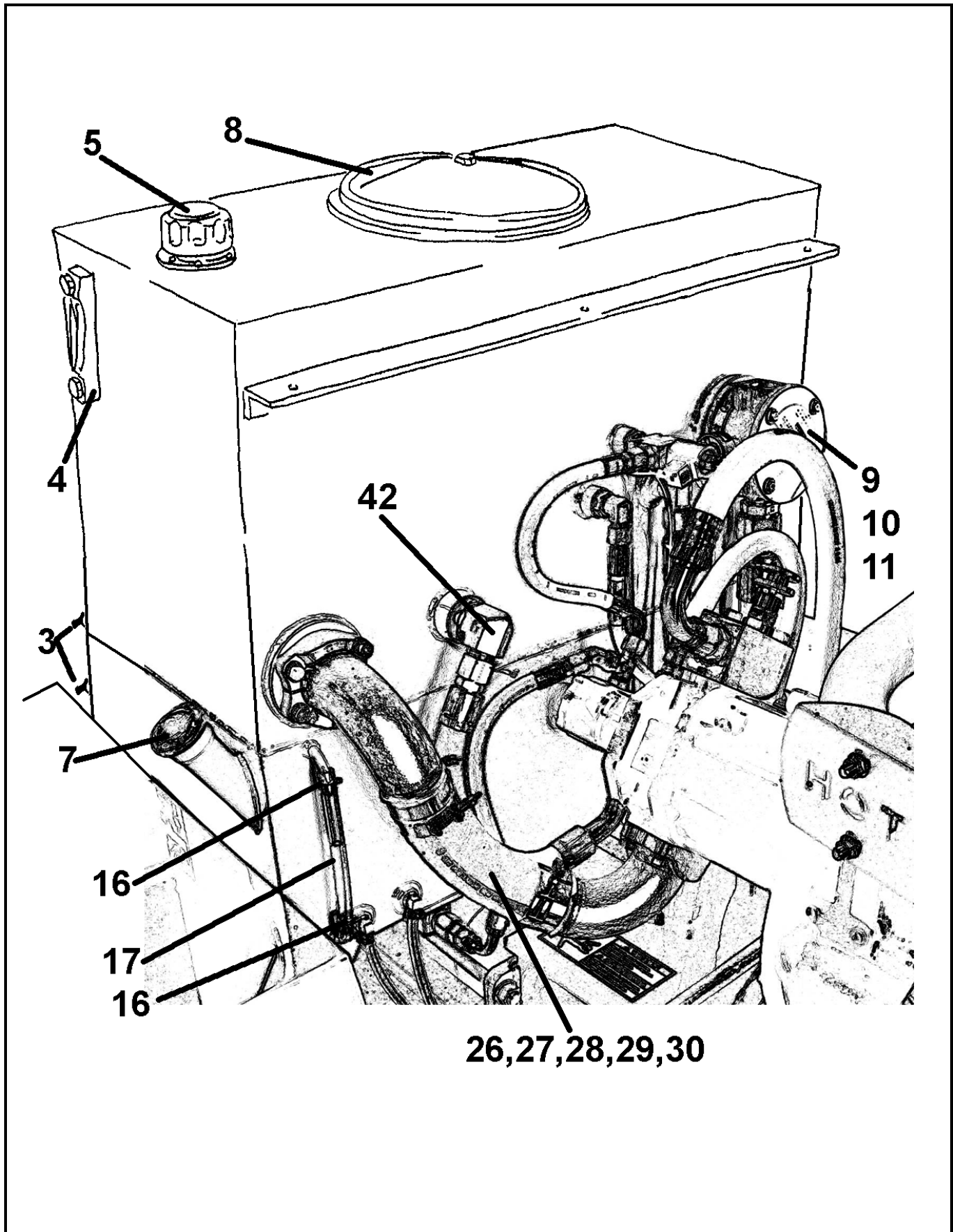
THIS PAGE INTENTIONALLY LEFT BLANK.

REED TRAILER MOUNTED CONCRETE PUMP 01 MODEL **A40HP** ILLUSTRATED PARTS MANUAL GROUP 30 HYDRAULIC TANK INSTALLATION CONTAINS THE FOLLOWING FIGURES:

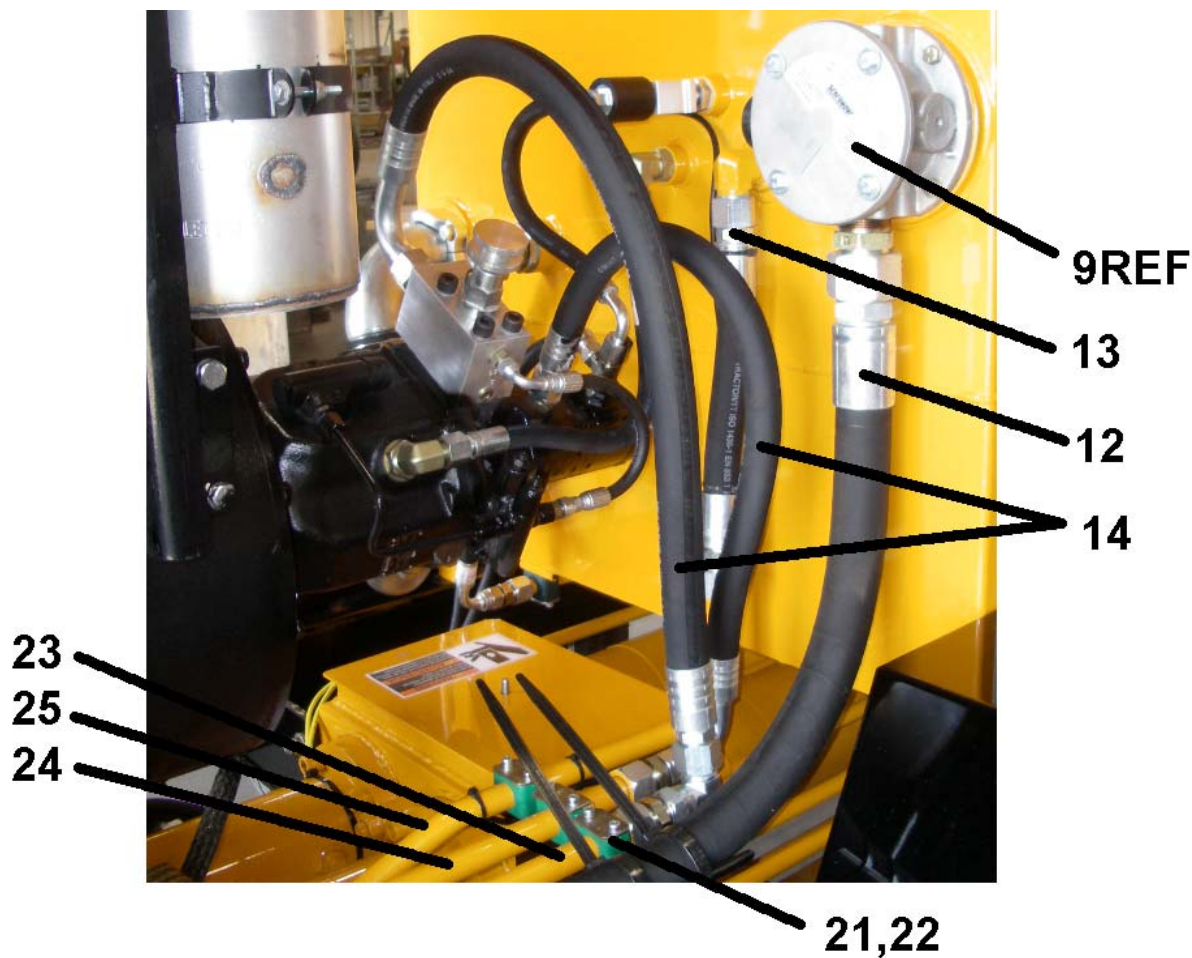
FIGURE 00 TABLE OF CONTENTS

FIGURE 01 TANK INSTALLATION





ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	BW43020	Hydraulic/Fuel Group (See Group 10, Figure 01 for NHA)	Ref
-2	BW10397	• Assembly, A-Series Hydraulic / Fuel Tank	1
3	801025	• • Cock, ¼ Drain	2
4	74509	• • Gauge, Sight and Temperature	1
5	74508	• • Breather, Filler with Cap	1
6	BW10386	• • Weldment, A-Series Hydraulic / Fuel Tank	1
7	BW10256	• • • Cap, Filler	1
8	BW10171	• • • Kit, 12 Inch End Cover	1
9	BW10027	• • Filter, Return	1
10	BW10106	• • • Element, Filter	1
11		• • • Gauge, Filter	1
12	BW10162	• Assembly, Hydraulic Hose	1
13	BW10046	• Assembly, Return Line Hydraulic Hose	1
14	BW10047	• Assembly, Main Pump Hydraulic Hose	2
15	BW10051	• Assembly, Hydraulic Hose	2
16	802289	• Clamp, Worm	2
17	801978	• Tubing, Clear PVC	1
18	BW10049	• Assembly, Swing Cylinder Hydraulic Hose	2
19	BW10154	• Assembly, Swing Cylinder Hydraulic Tube	2
20	801902-006	• Clamp, Tube	4
21	801902-001	• Nut, Tube Clamp Tee	10
22	801902-007	• Clamp, Tube	6
23	BW10150	• Assembly, Main Pump Pressure Hydraulic Tube	1
24	BW10403	• Assembly, Main Pump Pressure Hydraulic Tube	1
25	BW10153	• Assembly, Return Line Hydraulic Tube	1
26	86264-005	• Split Flange	1
27	86264-006	• Split Flange	1
28	85661-001	• Hose-No Ends	1
29	87145	• Clamp T-Bolt	4
30	86911-009	• Stem, 2 ½"	2
-31	85659-014	• Assembly, Hydraulic Hose	1
-32	85664-008	• Assembly, Hydraulic Hose	1
-33	85657-001	• Assembly, Hydraulic Hose	1
-34	85667-004	• Assembly, Hydraulic Hose	1
-35	BW10405	• Assembly, Hydraulic Hose	1
-36	87415-001	• Union Male JIC MJ-MJ16-12	1
-37	87415-002	• Union Male JIC MJ-MJ16-16	1
-38	BW10229	• Conical Seal Size-12	4
-39	BW10230	• Conical Seal Size-16	6
-40	10282	• Plug, Pipe-1"	2
-41	801937	• Plug, Flange 2" Code 61	1
-42	86728-032	• Elbow, MB-MJ90-24-16	1
		DASH (-) ITEM NOT ILLUSTRATED	



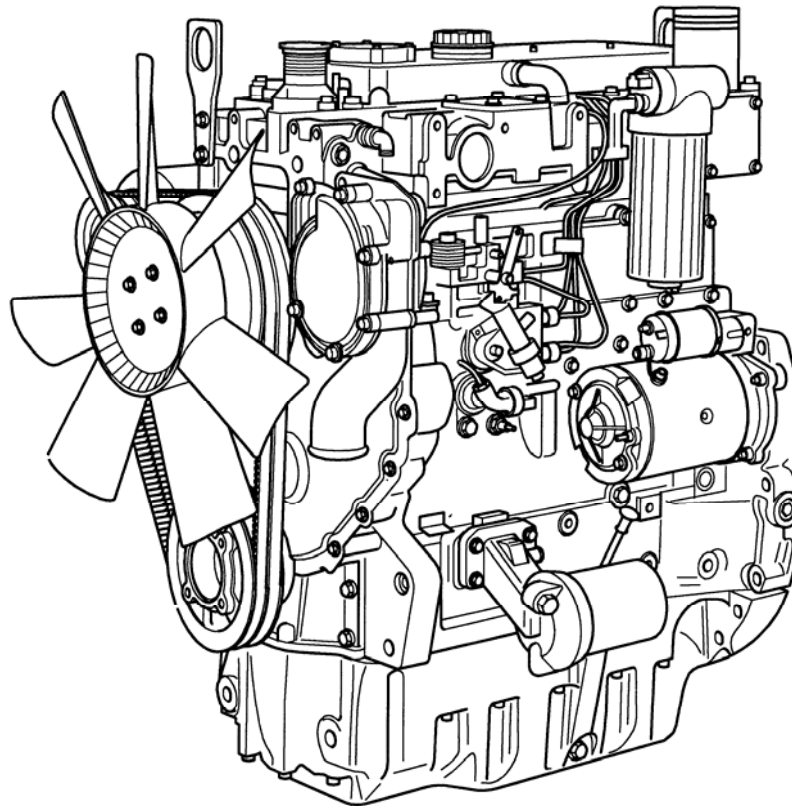
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	BW43020	Hydraulic/Fuel Group (See Group 10, Figure 01 for NHA)	Ref
-2	BW10397	• Assembly, A-Series Hydraulic / Fuel Tank	1
3	801025	• • Cock, ¼ Drain	2
4	74509	• • Gauge, Sight and Temperature	1
5	74508	• • Breather, Filler with Cap	1
6	BW10386	• • Weldment, A-Series Hydraulic / Fuel Tank	1
7	BW10256	• • • Cap, Filler	1
8	BW10171	• • • Kit, 12 Inch End Cover	1
9	BW10027	RETURN FILTER, HOUSING/ELEMENT/GAUGE	1
10	BW10106	• • • Element, Filter	1
11		• • • Gauge, Filter	1
12	BW10162	• Assembly, Hydraulic Hose	1
13	BW10046	• Assembly, Return Line Hydraulic Hose	1
14	BW10047	• Assembly, Main Pump Hydraulic Hose	2
15	BW10051	• Assembly, Hydraulic Hose	2
16	802289	• Clamp, Worm	2
17	801978	• Tubing, Clear PVC	1
18	BW10049	• Assembly, Swing Cylinder Hydraulic Hose	2
19	BW10154	• Assembly, Swing Cylinder Hydraulic Tube	2
20	801902-006	• Clamp, Tube	4
21	801902-001	• Nut, Tube Clamp Tee	10
22	801902-007	• Clamp, Tube	6
23	BW10150	• Assembly, Main Pump Pressure Hydraulic Tube	1
24	BW10403	• Assembly, Main Pump Pressure Hydraulic Tube	1
25	BW10153	• Assembly, Return Line Hydraulic Tube	1
26	86264-005	• Split Flange	1
27	86264-006	• Split Flange	1
28	85661-001	• Hose-No Ends	1
29	87145	• Clamp T-Bolt	4
30	86911-009	• Stem, 2 ½"	2
-31	85659-014	• Assembly, Hydraulic Hose	1
-32	85664-008	• Assembly, Hydraulic Hose	1
-33	85657-001	• Assembly, Hydraulic Hose	1
-34	85667-004	• Assembly, Hydraulic Hose	1
-35	BW10405	• Assembly, Hydraulic Hose	1
-36	87415-001	• Union Male JIC MJ-MJ16-12	1
-37	87415-002	• Union Male JIC MJ-MJ16-16	1
-38	BW10229	• Conical Seal Size-12	4
-39	BW10230	• Conical Seal Size-16	6
-40	10282	• Plug, Pipe-1"	2
-41	801937	• Plug, Flange 2" Code 61	1
-42	86728-032	• Elbow, MB-MJ90-24-16	1
DASH (-) ITEM NOT ILLUSTRATED			



**TRAILER MOUNTED PUMP MODEL *A40HP*
ILLUSTRATED PARTS MANUAL**

A40HP
PARTS
GROUP 30
FIGURE 02
PAGE 01

THIS PAGE INTENTIONALLY LEFT BLANK.



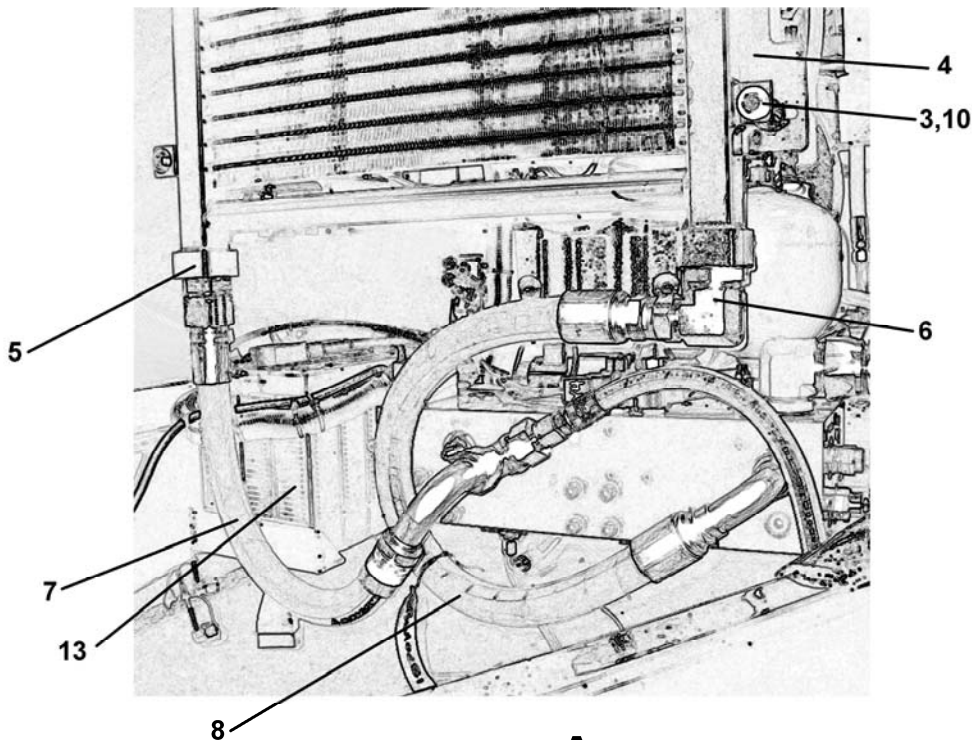
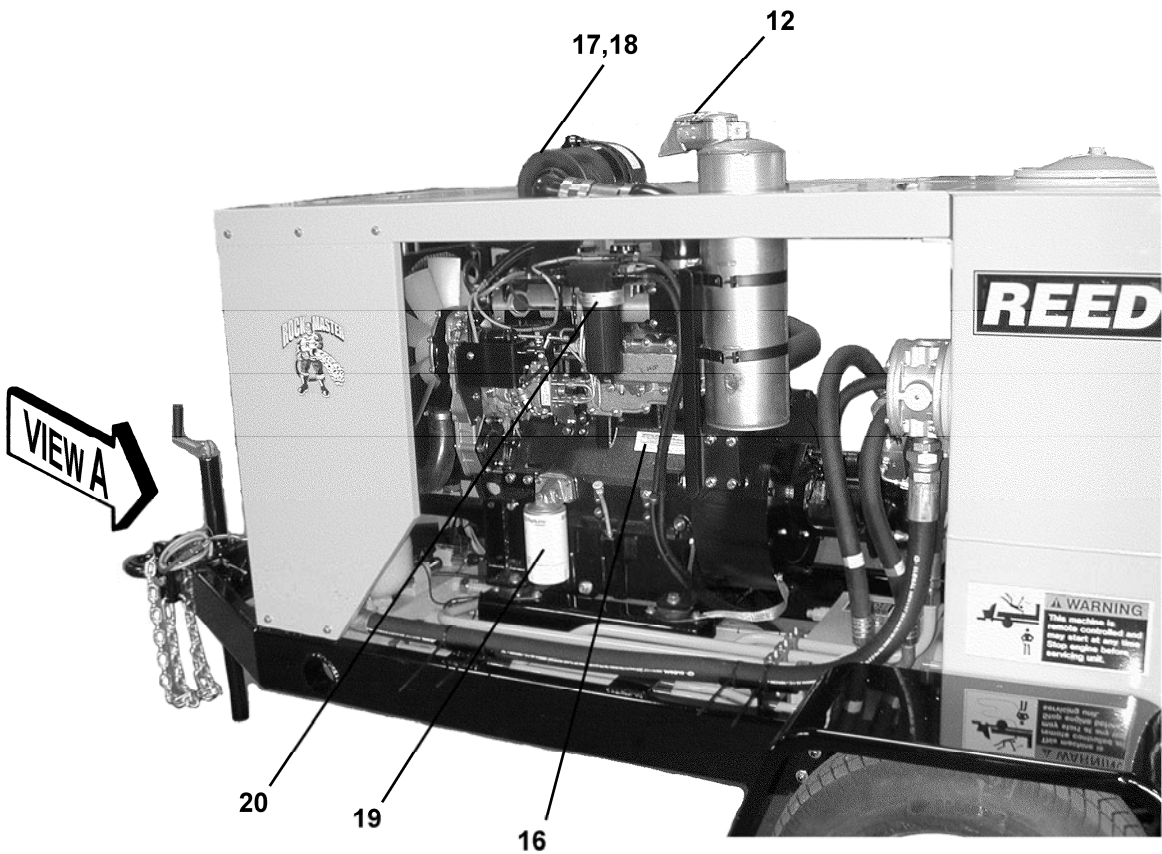
REED TRAILER MOUNTED CONCRETE PUMP 01 MODEL **A40HP** ILLUSTRATED PARTS MANUAL GROUP 40 POWER TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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



POWER TRAIN INSTALLATION

A40HP
PARTS
GROUP 40
FIGURE 01
PAGE 01



VIEW A

(WITH COVER REMOVED)

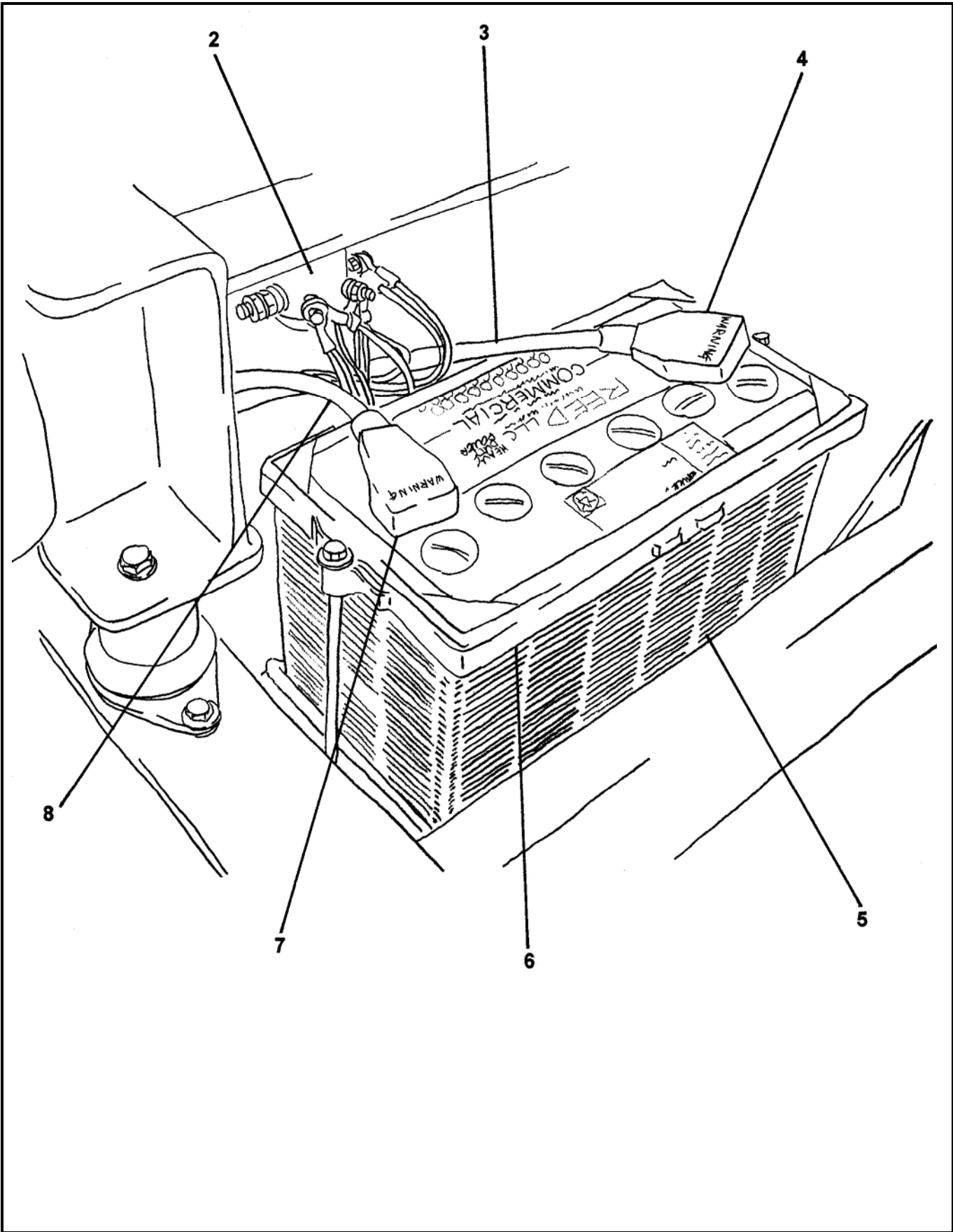
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
1	BW31051	Installation, Power Train (See Group 10, Figure 01 for NHA)	Ref
2	BW10277	Cooler, Oil	1
3	BW10289	Spacer, Oil Cooler Mount	4
4	BW10278	Bracket, Oil Cooler	2
5	86900-031	Adaptor, MB-MJ-20-20	1
6	86728-026	Elbow, MB-MJ90-20-16	1
7	BW10280	Hose, 16GMV+ -20FJX-16FJX90S-24"	1
8	BW10281	Hose, 16GMV+ -20FJX-16FJX90S-36"	1
-9	BW10179	Safety Plate, Exhaust Pipe	1
10A	80043	Flatwasher-3/8 USS	16
-10B	80072	Lockwasher-3/8	8
-10C	80003	Nut, Hex 3/8-16	4
-11	78213	Clamp	1
12	70849	Cap, Rain	1
13	40-02	Assembly, Battery Mounting (See Group 40, Figure 02 for DET)	1
-14	10577	Clamp, Hose	2
-15	77347A	Hose, 13ft FT Fuel	1
16	BW10039-2	Assembly, Engine (See Vendor Section, Figure 01 for REF)	1
17	BW10330	Element, Air Filter, Primary	1
18	BW10331	Element, Air Filter, Safety	1
19	BW10332	Filter, Oil	1
20	BW10333	Filter, Fuel	1
21	40-03	Assembly, Hydraulic Main Pump (See Group 40, Figure 03 for REF) (Also See Vendor Section, Figure 02 for REF)	1
22	40-03	Assembly, Hydraulic Gear Pump (See Group 40 Figure 03 for REF) (Also See Vendor Section, Figure 03 for REF)	1
-23	73269	Strap, Ground	1
-24	BW10322	Assembly, Engine Wiring Harness (See Schematic Section, Page 05 for REF) DASH (-) ITEM NOT ILLUSTRATED	1

-25 BW10276 LINEAR ACTUATOR



BATTERY MOUNTING ASSEMBLY

A40HP
PARTS
GROUP 40
FIGURE 02
PAGE 01



REVISION:



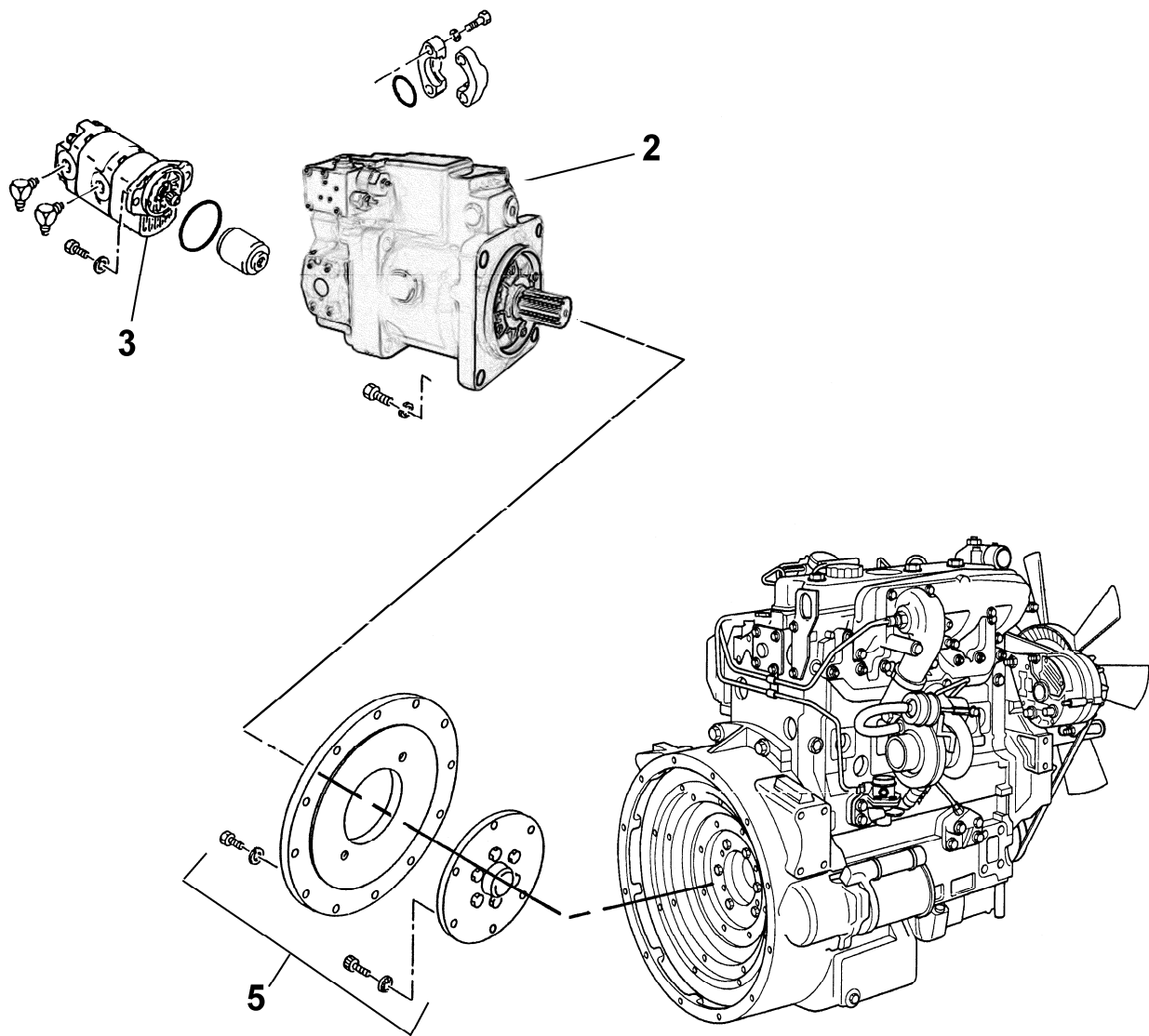
BATTERY MOUNTING ASSEMBLY

A40HP
PARTS
GROUP 40
FIGURE 02
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	40-02	Assembly, Battery Mounting (See Group 40, Figure 01 for NHA)	Ref
2	85348	• Connector, SPNO 12 VDC	1
3	72014	• Cable, 36 Inch Long Battery Top (Red)	1
4	77719	• Cover, Positive Battery (Red)	1
5	77075	• Battery, 12 VDC	1
6	72945	• Holder, Battery Down	1
7	77720	• Cover, Negative Battery (Black)	1
8	75116	• Cable, Negative Battery (Black)	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



PERKINS DIESEL ENGINE
BW10039-2 (REF)



HYDRAULIC PUMPS ASSEMBLY

A40HP

PARTS

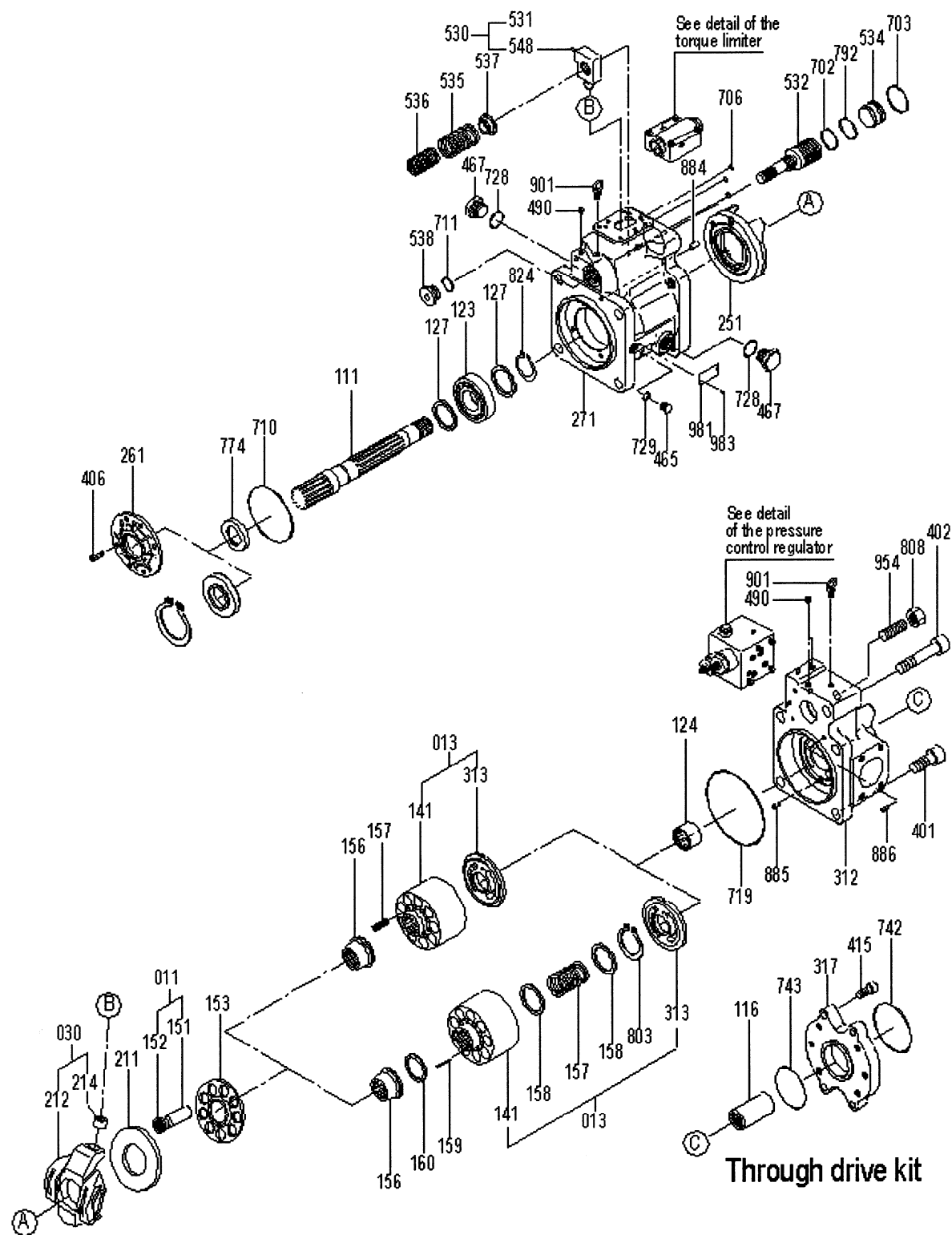
GROUP 40

FIGURE 03

PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	40-03	Assembly, Hydraulic Pumps (See Group 40, Figure 01 for NHA)	Ref
2	85124-004	• Pump, Main	1
3	87153-001	• Pump, Single Auxiliary	1
-4	85125	• Valve, Flow Control-Main Pump	1
5	87360	• Pump Drive	1
6	-	•	-
7	-	•	-
8	-	•	-

REVISION:



REVISION:

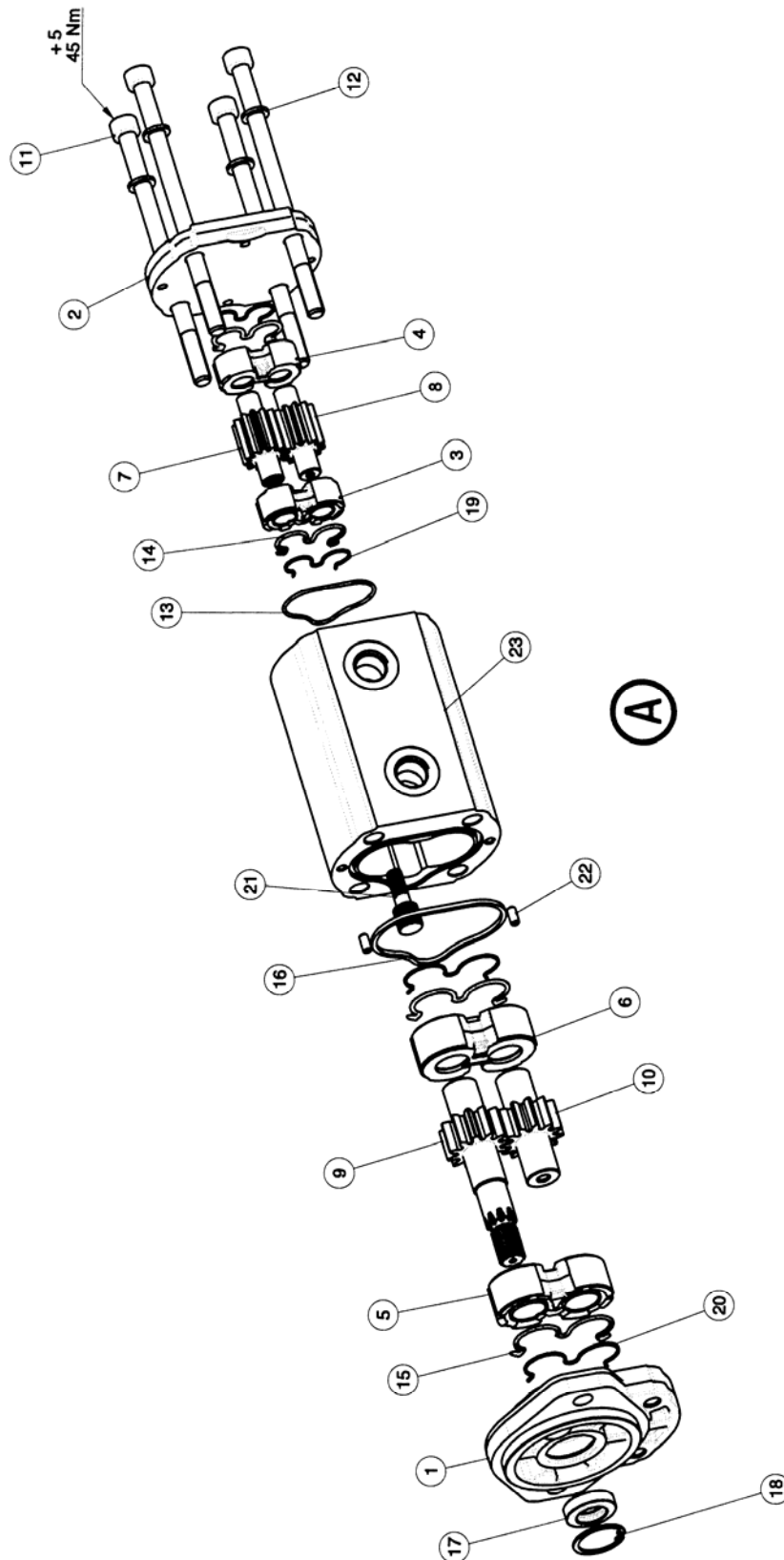


KAWASAKI MODEL K3VL MAIN PUMP ASSEMBLY

A40HP
PARTS
GROUP 40
FIGURE 04
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
1	85124-004	Assembly, Main Hydraulic Pump (Also See Vendor Section, Figure 02 for Complete Info)	Ref
2		•	
3		•	
4		•	
5		•	
6		•	
7		•	
8		•	
9		•	
10		•	
11		•	
12		•	
13		•	
14		•	
15		•	
16		•	
17		•	
18		•	
19		•	
20		•	

REVISION:



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	87153-001	Assembly, Double Auxiliary Pump (See Group 40, Figure 02 for NHA) (Also See Vendor Section, Figure 02 for REF)	Ref
1		• Cover, Front	1
2		• Cover, Twin Rear	1
3		• Plate, Thrust	1
4		• Plate, Thrust	1
5		• Plate, Thrust	1
6		• Plate, Thrust	1
7		• Gear, Drive	1
8		• Gear, Driven	1
9		• Shaft, Drive	1
10		• Shaft, Driven	1
11		• Screw	4
12		• Washer	4
13		• O-Ring	1
14		• Seal	2
15		• Seal	2
16		• Plate, Seal	1
17		• Seal, Shaft	1
18		• Ring	1
19		• Plate, Anti-Intrusion	2
20		• Ring, Back-Up	2
21		• Hub	1
22		• Pin, Dowel	2
23		• Body	1

REVISION:



**TRAILER MOUNTED PUMP MODEL *A40HP*
ILLUSTRATED PARTS MANUAL**

A40HP

PARTS

GROUP 40

FIGURE 06

PAGE 01

THIS PAGE INTENTIONALLY LEFT BLANK.

REED TRAILER MOUNTED CONCRETE PUMP 01 MODEL A40HP ILLUSTRATED PARTS MANUAL GROUP 50 CONTROLS INSTALLATION CONTAINS THE FOLLOWING FIGURES:

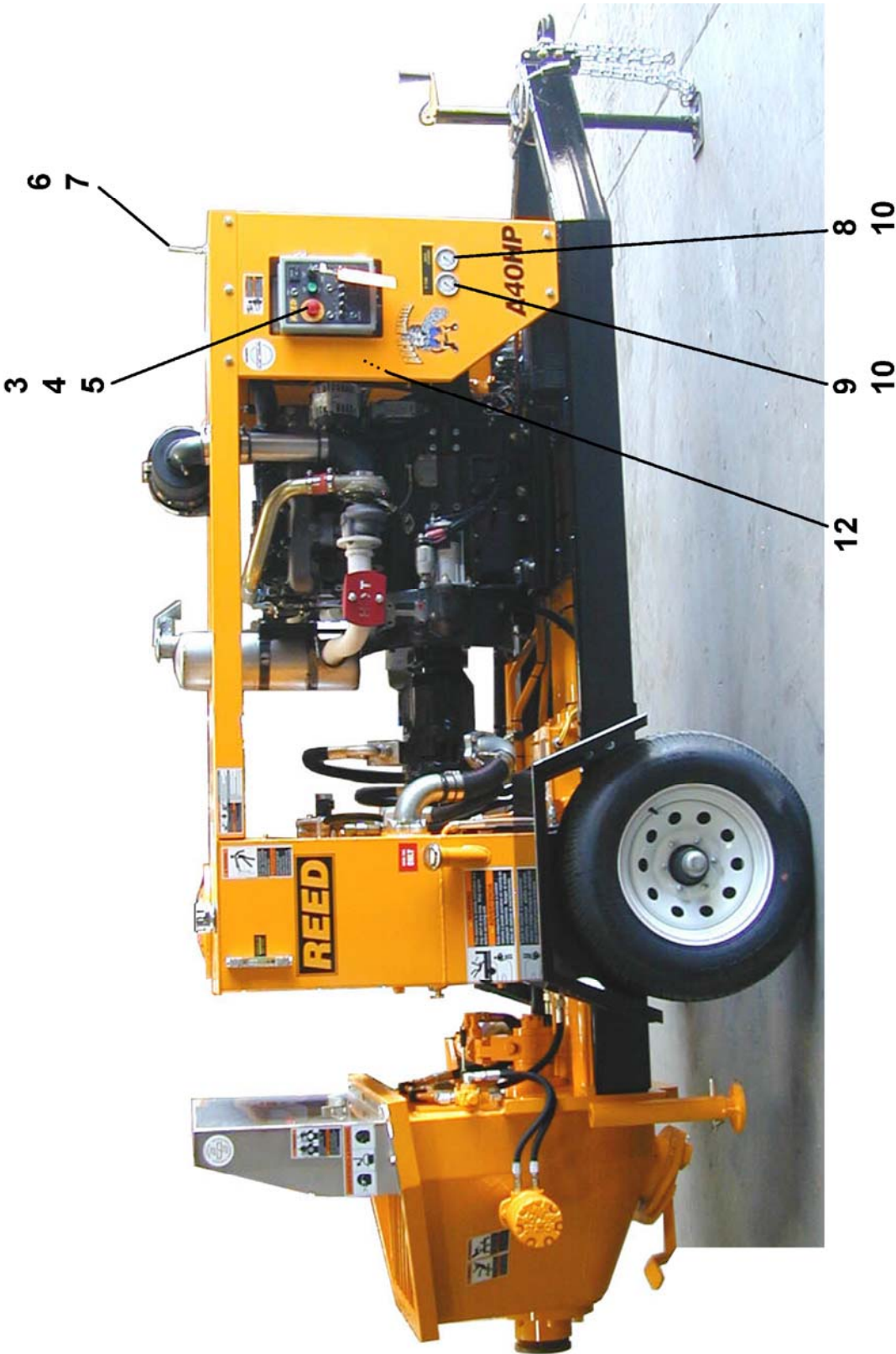
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** CONTROLS INSTALLATION
- FIGURE 02** CONTROL BOX ASSEMBLY
- FIGURE 03** CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 04** RADIO REMOTE CONTROL ASSEMBLY





CONTROL INSTALLATION

A40HP
PARTS
GROUP 50
FIGURE 01
PAGE 01



REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	50-01	Installation, Control (See Group 10, Figure 01 for NHA)	Ref
2	BW10013	• Assembly, Cable Remote Control (See Group 50, Figure 03 for DET)	1
3	BW10343	• Assembly, Control Box (See Group 50, Figure 03 for DET)	1
4	73748	• Bumper, Control Box	4
5	72862	• Gauge, Proximity Sensor Setting	1
6	BW10132	• Radio Remote Control Kit-Kartech (Optional Item) (See Group 50, Figure 04 for DET)	1
7	BW10188	• Radio Remote Control Kit-Remtron (Optional Item) (See Group 50, Figure 04 for DET)	1
-7A	BW10188-001	• Radio Remote Control Kit-Base (Optional Item)	1
8	74562	• Gauge, 6,000 PSI Hydraulic	1
9	70366	• Gauge, 3,000 PSI Hydraulic	1
10	78594	• Adapter, Minicheck Gauge	2
-11	BW10318	• Hose, 48 Inch-90 Degree Minicheck	2
12	800347	• Horn, 12 V	1
		DASH (-) ITEM NOT ILLUSTRATED	



CABLE REMOTE CONTROL ASSEMBLY

A40HP
PARTS
GROUP 50
FIGURE 02
PAGE 01



REVISION:



CABLE REMOTE CONTROL ASSEMBLY

A40HP
PARTS
GROUP 50
FIGURE 02
PAGE 02

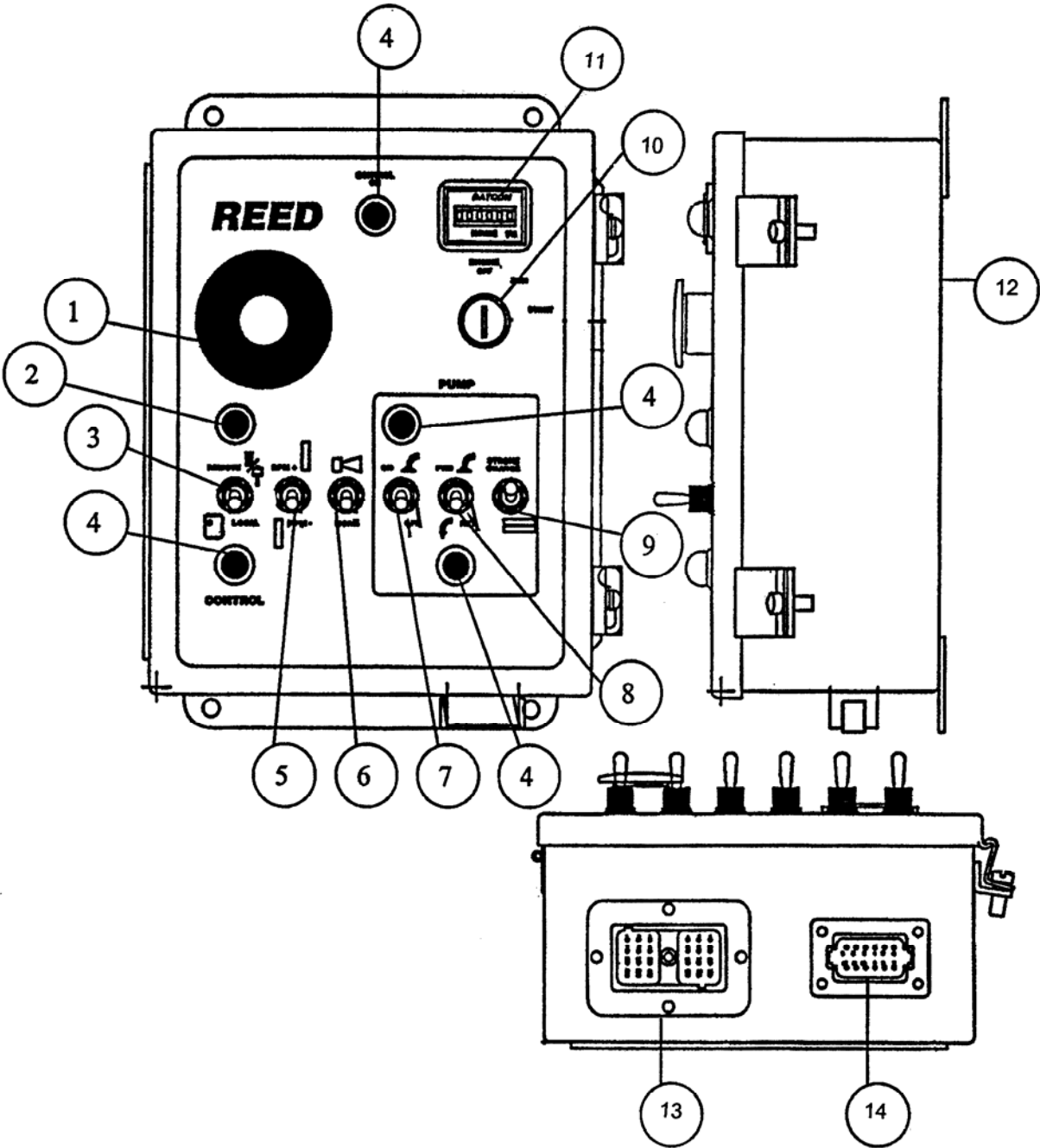
THIS GROUP 50, FIGURE 02, PARTS NUMBER BW10013,
CABLE REMOTE CONTROL ASSEMBLY,
DETAIL PARTS LIST IS NOT AVAILABLE THIS REVISION.

REVISION:



CONTROL BOX ASSEMBLY

A40HP
PARTS
GROUP 50
FIGURE 03
PAGE 01



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
1	BW10208	• E-Stop Light (Power Supply)	1
2	BW10214	• Lens, Amber	1
3	BW10223	• SPST Toggle Switch On-On	1
4	BW10215	• Lens, Green	1
5	BW10205	• SPDT Momentary Switch	1
6	BW10206	• SPDT Momentary Switch	1
7	BW10207	• SPST Toggle Switch	1
8	BW10207	• SPST Toggle Switch	1
9	BW10206	• SPDT Momentary Switch	1
10	BW10204	• SW, Key Switch	1
11	BW10212	• Hour Meter-Mini	1
12	BW10203	• 10x8x4 Steel CH Enclosure	1
13	BW10217	• Connector, DRC12-24PA	1
14	BW10218	• Connector, DT04-12PA-L012, 12 Pin EMT	1
-15	BW10209	• Mushroom Head Maintained Button (Ref-BW10208 Red Light Housing)	1
-16	BW10211	• LGT, Mini Bayonet Red (Ref-BW10208 and BW10209)	1
-17	BW10213	• Light Socket (Ref-BW10214 and BW10215)	5
-18	BW10216	• Light Bayonet 14V (Ref-BW10213,BW10214 and BW10215)	5
-19	BW10219	• Connector 12 Pin, Gasket (Ref-BW10218)	1
-20	BW10220	• Connector 24in, Gasket (Ref-BW10217)	1

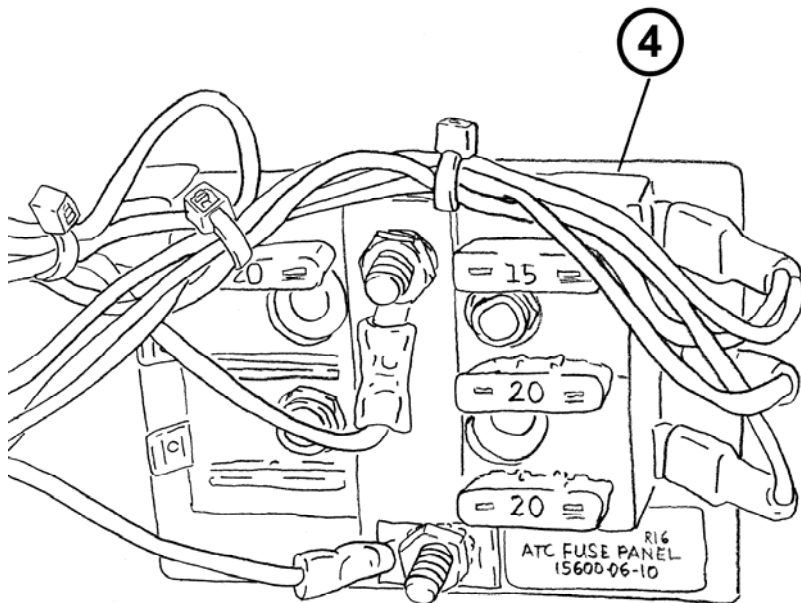
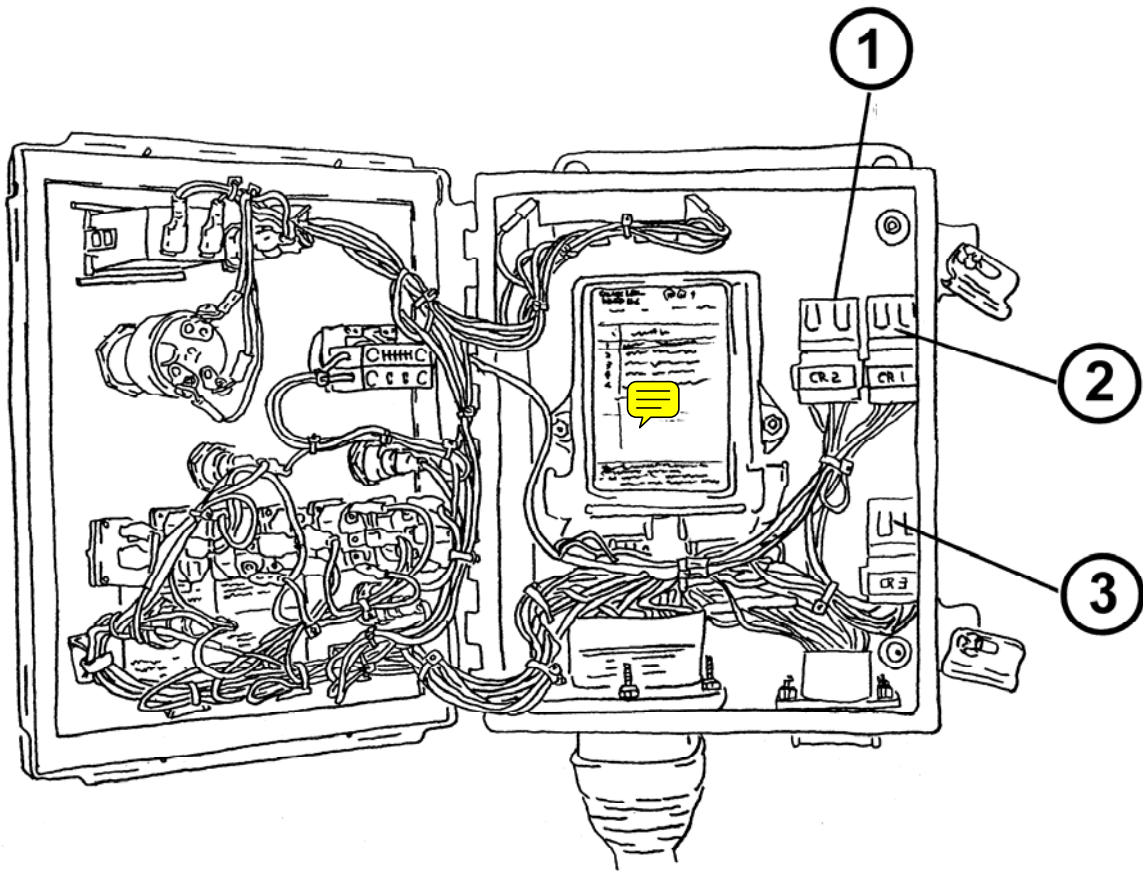
ITEM (-) NOT ILLUSTRATED

REPLACES 10 BW10354 IGNITION SWITCH WITH 2 KEYS



CONTROL BOX ASSEMBLY

A40HP
PARTS
GROUP 50
FIGURE 03
PAGE 03





CONTROL BOX ASSEMBLY

A40HP
PARTS
GROUP 50
FIGURE 03
PAGE 04

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
1	BW10222	• Relay, Diode Suppress (Note: Same Part# For Items 1,2, &3)	1
2	BW10222	• Relay, Diode Suppress (Note: Same Part# For Items 1,2, &3)	1
3	BW10222	• Relay, Diode Suppress (Note: Same Part# For Items 1,2, &3)	1
4	BW10227	• Fuse, Block GNG 6F	1
5	BW10255	LOGIC CONTROLLER BOX (PLC) - KAR TECH	1

REVISION:

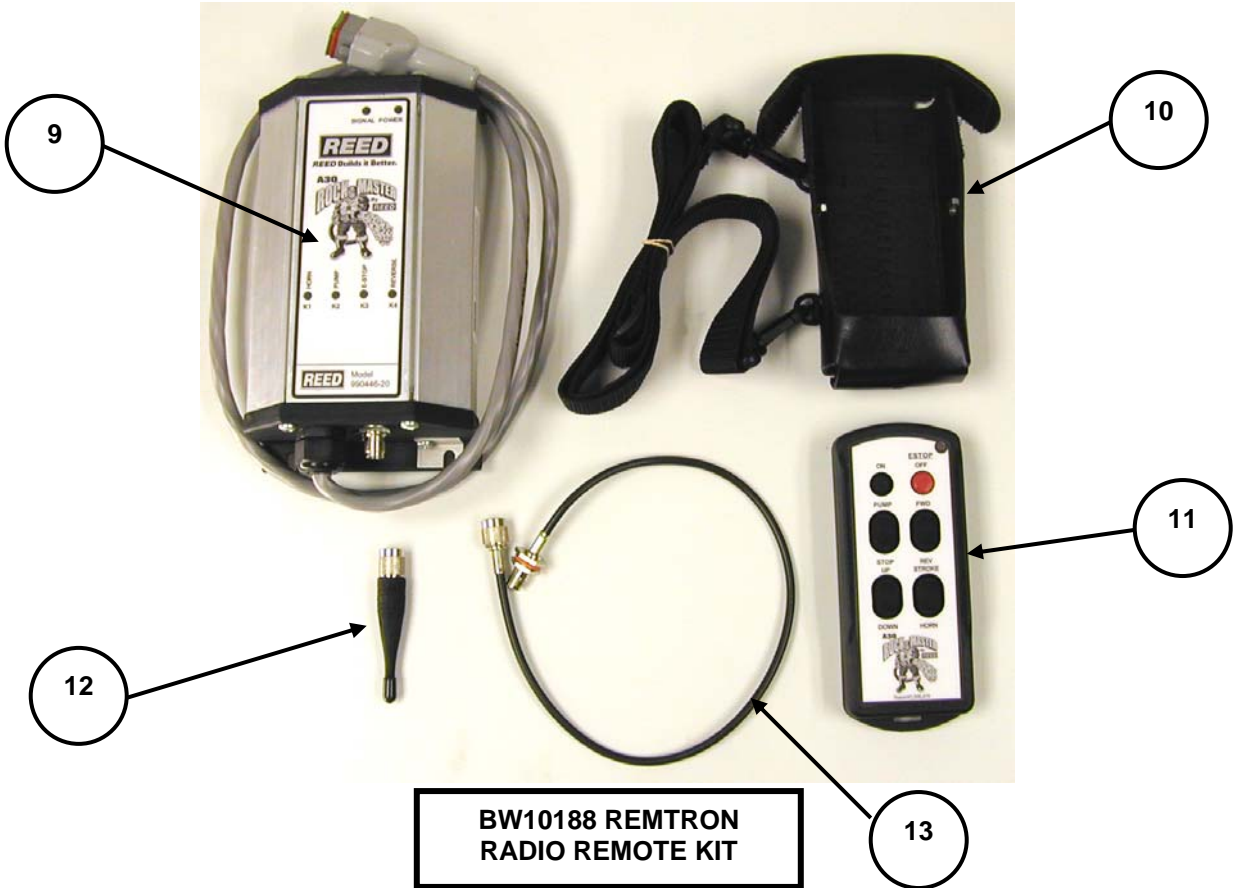


OPTIONAL RADIO
REMOTE CONTROL ASSEMBLY

A40HP
PARTS
GROUP 50
FIGURE 04
PAGE 01



BW10132 KAR-TECH
RADIO REMOTE KIT



BW10188 REMTRON
RADIO REMOTE KIT

**OPTIONAL RADIO
REMOTE CONTROL ASSEMBLY**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
1	BW10196	• Antenna Support	1
2	BW10194	• Rod, Antenna	1
3	BW10201	• Antenna Cable-27"	1
4	BW10012	• Radio Remote Receiver-Kartech	1
5	BW10200	• Plate Weldment, Rod Assembly Support	1
6	BW10202	• Hair Pin	1
7	BW10011	• Radio Remote Transmitter-Kartech	1
8	BW10192	• Holster for Kartech Radio Transmitter	1
9	BW10190	• Radio Remote Receiver-Remtron	1
10	BW10191	• Holster Shoulder Strap for Remtron Transmitter	1
11	BW10189	• Transmitter for Remtron Radio	1
12	NA	• Antenna-See BW10188	1
13	NA	• Coax Cable-See BW10188	1
-14	800418	• Lanyard for BW10202	1
-15	BW10195	• Tab, Antenna Support	1
-16	BW10197	• Tube, Rod Assembly Support	1
-17	BW10198	• Tube, Rod Assembly Support	1
-18	BW10199	• Plate, Rod Assembly Support	1
-19	BW10200	• Plate Weldment, Rod Assembly Support	1
-20	BW10176	• Bracket, Mounting-Remtron Radio	1
-21	-	•	-

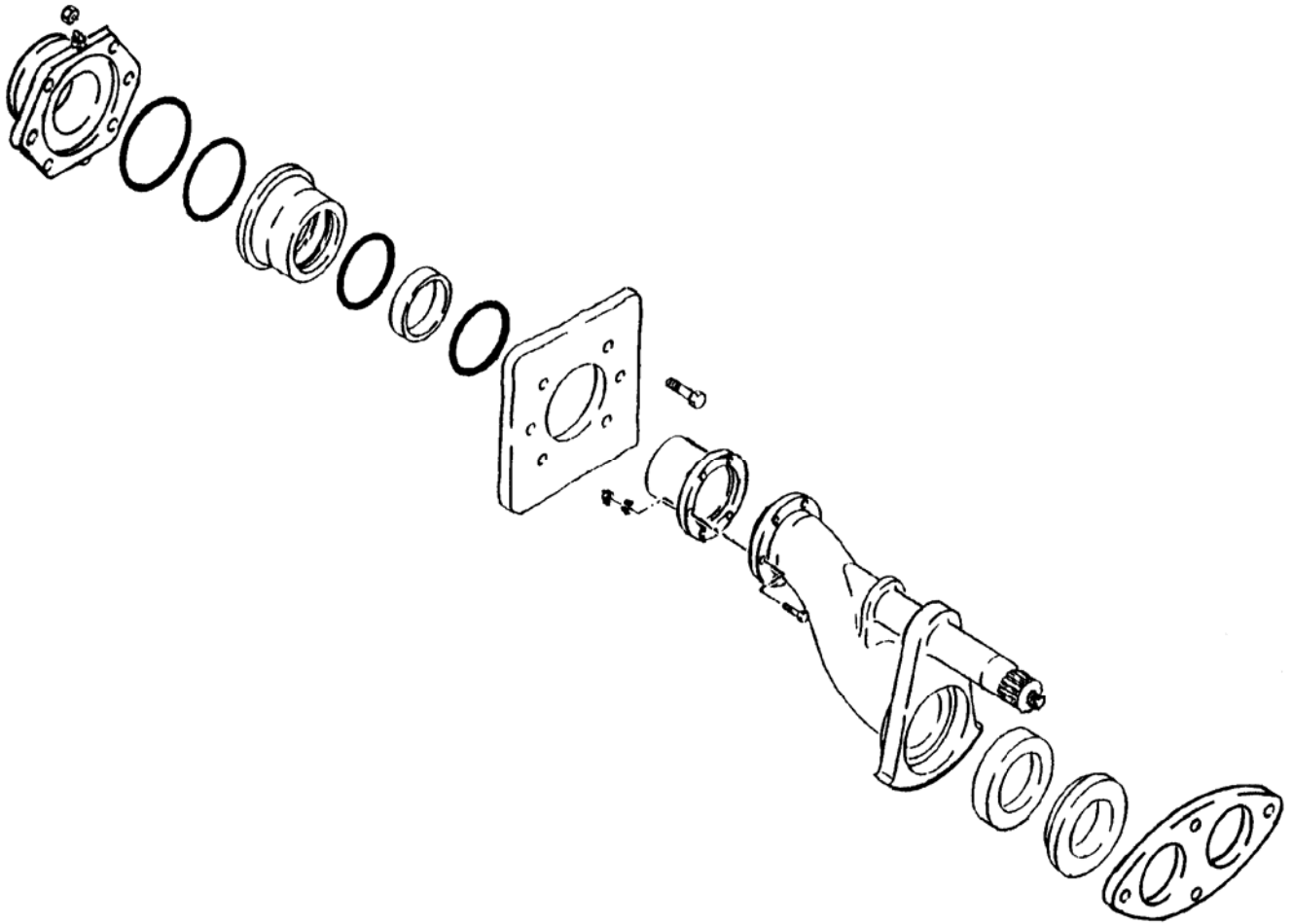
DASH (-) ITEM NOT ILLUSTRATED



TRAILER MOUNTED PUMP MODEL *A40HP*
ILLUSTRATED PARTS MANUAL

A40HP
PARTS
GROUP 50
FIGURE 05
PAGE 01

THIS PAGE INTENTIONALLY LEFT BLANK.



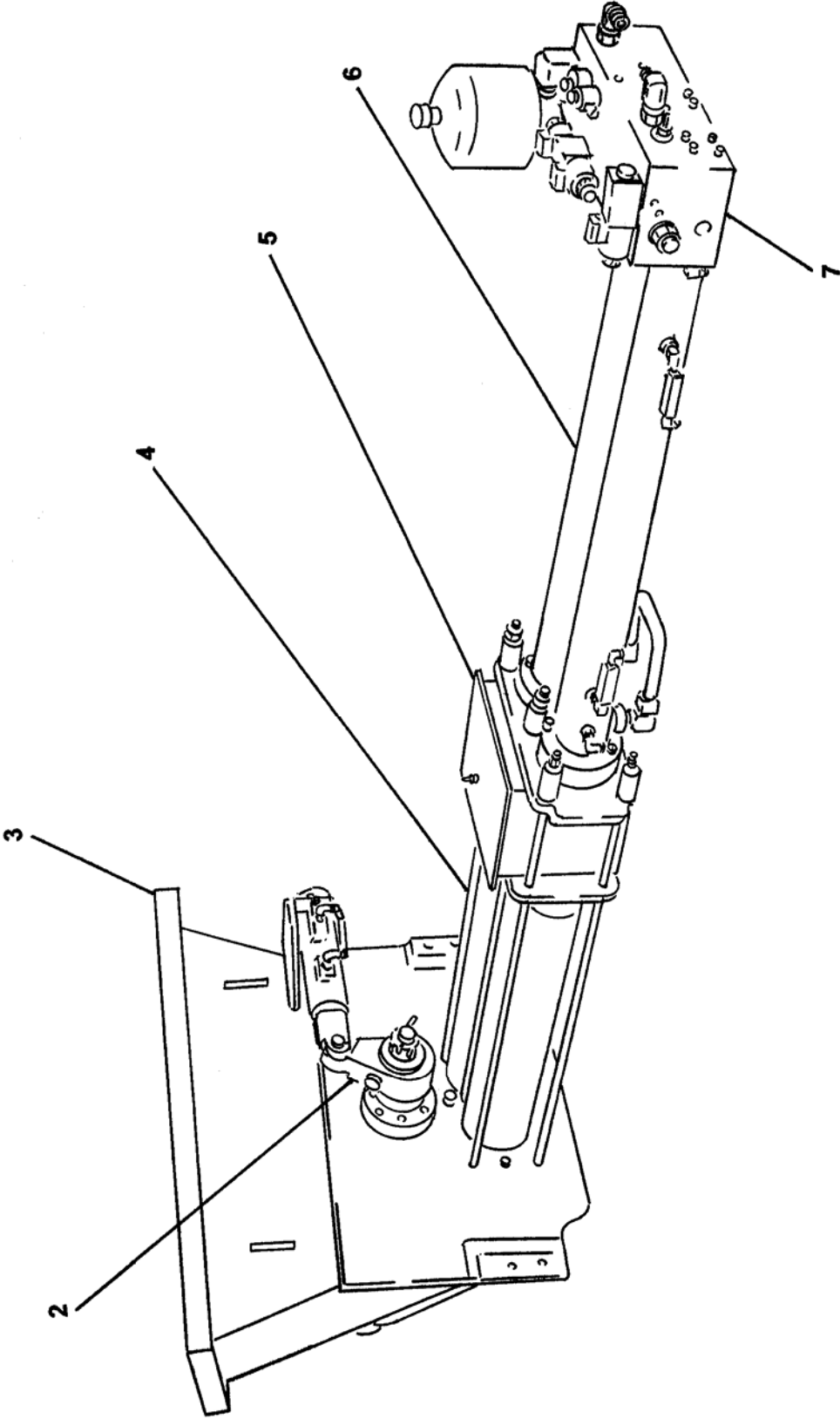
REED TRAILER MOUNTED CONCRETE PUMP 01 MODEL A40HP ILLUSTRATED PARTS MANUAL GROUP 60 PUMPING TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

- 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** DRIVE CYLINDER SUB-ASSEMBLY
- FIGURE 08** CONTROL MANIFOLD WITH CARTRIDGE ASSEMBLY
- FIGURE 09** REVERSE CIRCUIT PILOTSOLENOID VALVE ASSEMBLY
- FIGURE 10** MAIN CYCLING CIRCUIT PILOT SOLENOID VALVE ASSEMBLY



PUMPING TRAIN INSTALLATION

A40HP
PARTS
GROUP 60
FIGURE 01
PAGE 01





PUMPING TRAIN INSTALLATION

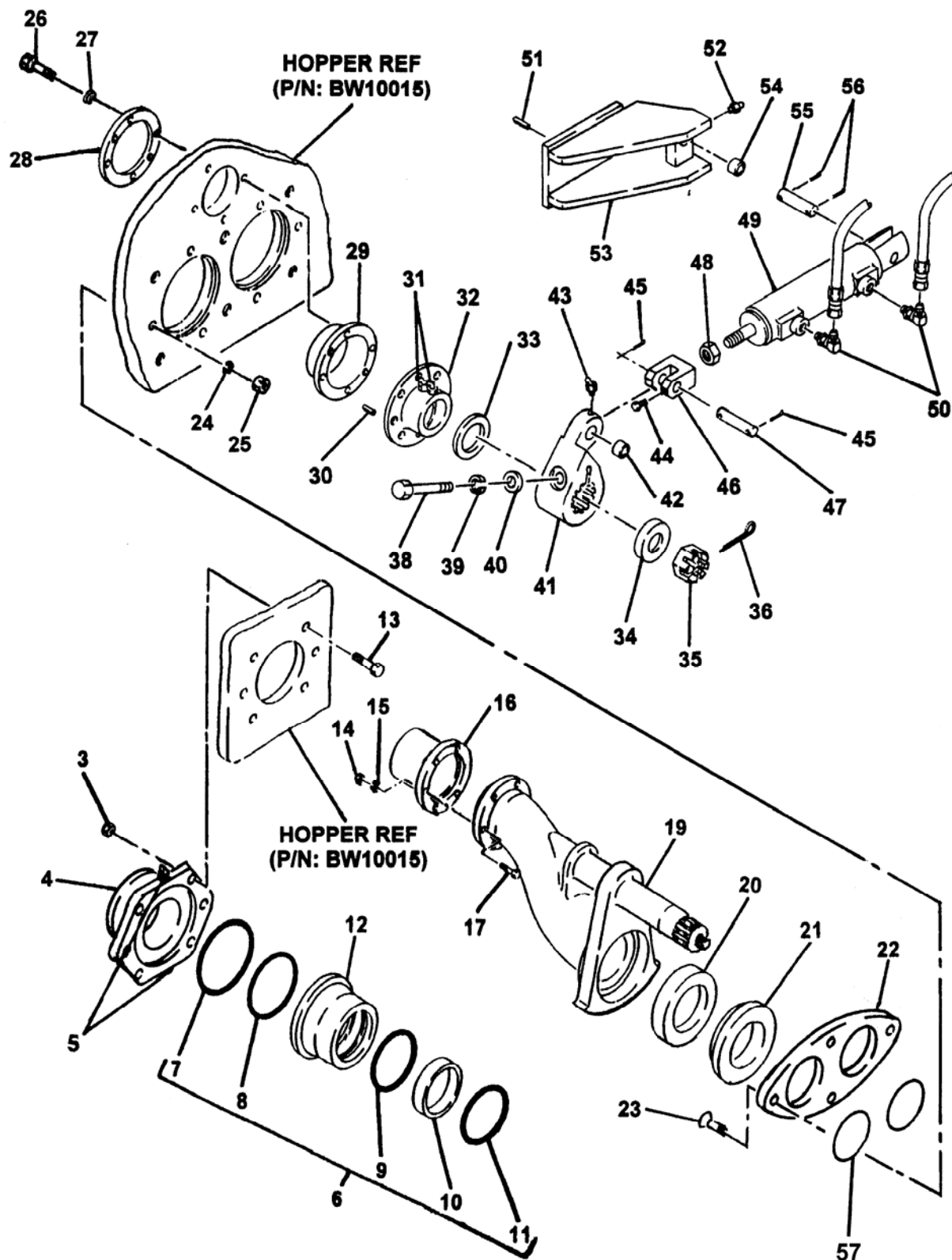
A40HP
PARTS
GROUP 60
FIGURE 01
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	BW28040	Assembly, Pumping Train (See Group 10, Figure 01 and Figure 03 for NHA)	Ref
2	BW26040	• Group, Swing Valve (See Group 60, Figure 02 for DET)	1
3	BW24040	• Group, Hopper (See Group 20, Figure 01 for REF)	Ref
4	BW23040	• Group, Concrete Cylinder (See Group 60, Figure 04 for DET)	1
5	BW22040	• Group, Flush Box (See Group 60, Figure 05 for DET)	1
6	BW21040	• Group, Hydraulic Drive Cylinder (See Group 60, Figure 06 for DET)	1
7	BW10395	• Assembly, Control Manifold with Cartridge (See Group 60, Figure 09 for DET)	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:

SWING VALVE ASSEMBLY

A40HP
PARTS
GROUP 60
FIGURE 02
PAGE 01

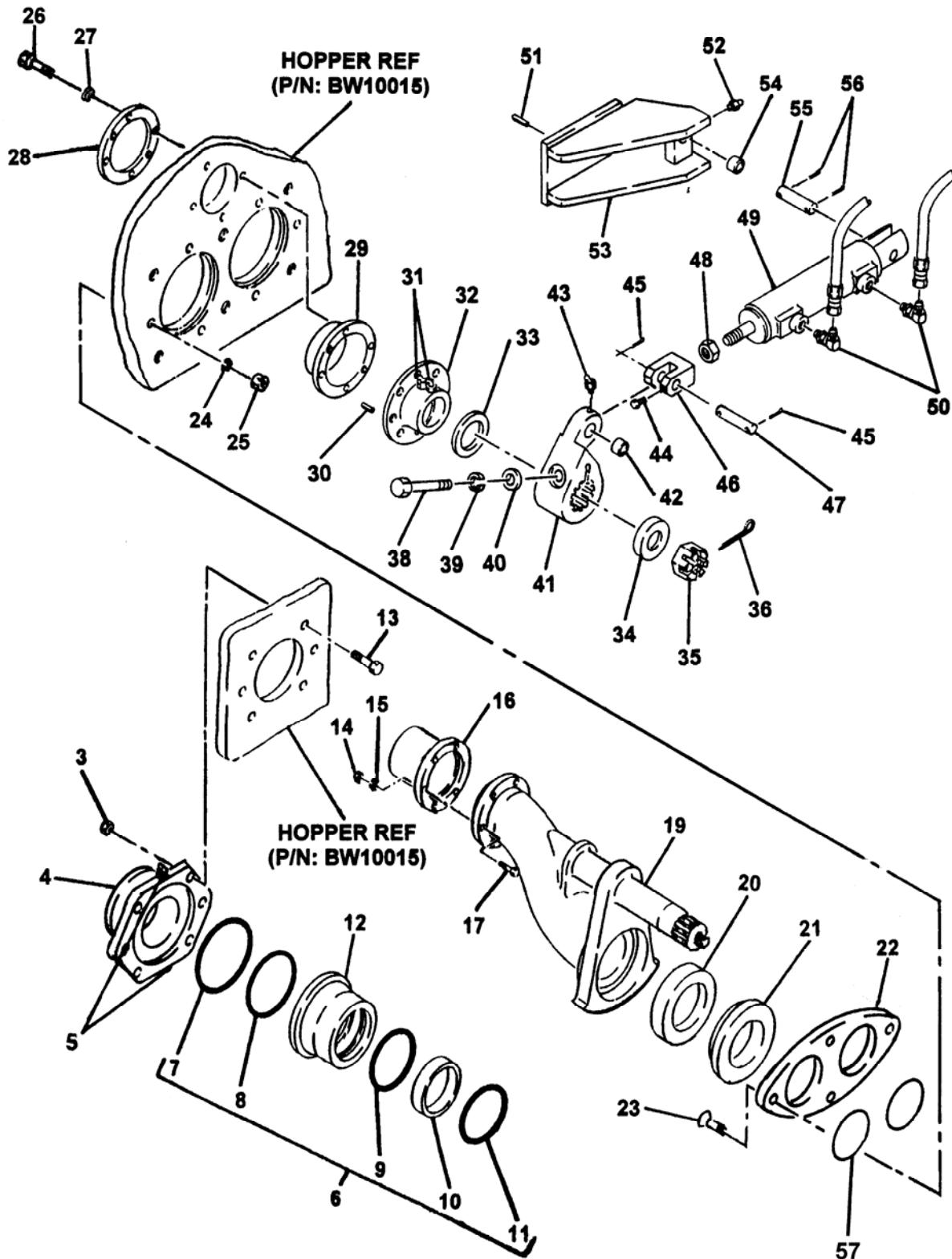


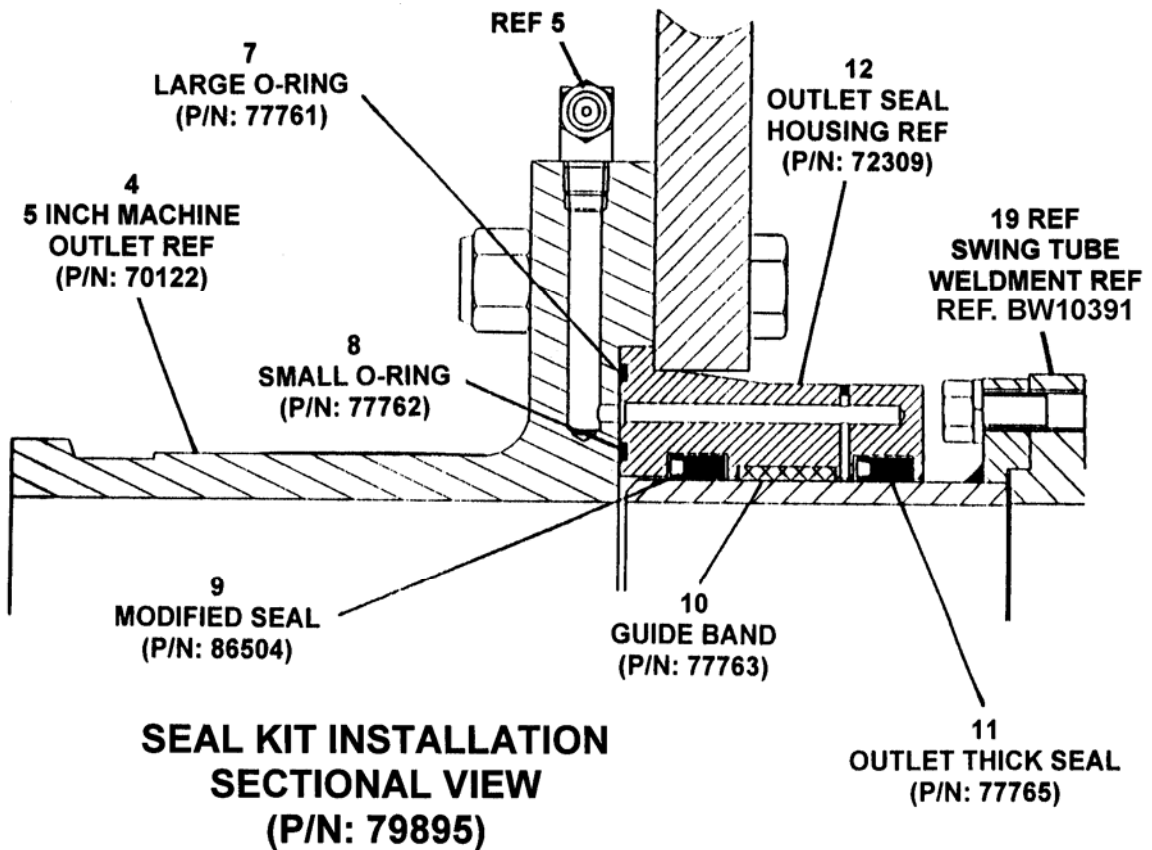
REVISION:

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	86321	• Assembly, Outlet Group	1
3		• • Nut	6
4	70122	• • Outlet, Machine 5"	1
5		• • Fitting, Grease	2
6	79895	• • Kit, Outlet Seal	1
7	77761	• • • O-Ring, Large	1
8	77762	• • • O-Ring, Small	1
9	86504	• • • Seal, Modified Outlet Thick	1
10	77763	• • • Band, Guide	1
11	77765	• • • Seal, Outlet Thick	1
12	72309	• • Housing, Outlet Seal	1
13		• • Bolt, Hex	6
14		• • Nut, Nylock (attaching parts)	6
15		• • Washer, Lock (attaching parts)	6
16	70042	• • Outlet, Chromed	1
17		• • Bolt, Hex (attaching parts)	6
-18	BW25040	• Assembly, Swing Tube Group	1
19	BW10391	• • Weldment, Swing Tube	1
20	86085	• • Seal, 6 Inch	1
21	72310	• • Ring, 6 Inch Wear	1
22	BW10382	• • Plate, Wear	1
23		• • Bolt, Flat Head	4
24		• • Washer, Lock	4
25		• • Nut, Hex	4
26		• • Bolt, Hex	6
27		• • Washer, Lock	6
28	BW10024	• • Ring, Space	1
29	85962	• • Seal, Flange Bearing	1
30		• • Pin, Dowel	1
31		• • Fitting, Grease 90	2
32	85133	• • Bearing, 3 Inch Spline Flange	1
33	85294	• • Washer, Thrust	1
34	85134	• • Spacer, Swing Tube Nut	1
35	70825	• • Nut, Swing Tube	1
36		• • Pin Cotter	1
-37	BW26040	• Assembly, Swing Tube Shift Group	1
38		• • Bolt, Hex	1
39		• • Washer, Flat	1
40		• • Washer, Lock	1
41	85131	• • Crank, 3 Inch Spline Bell	1
		DASH (-) ITEM NOT ILLUSTRATED	

SWING VALVE ASSEMBLY

A40HP
PARTS
GROUP 60
FIGURE 02
PAGE 03



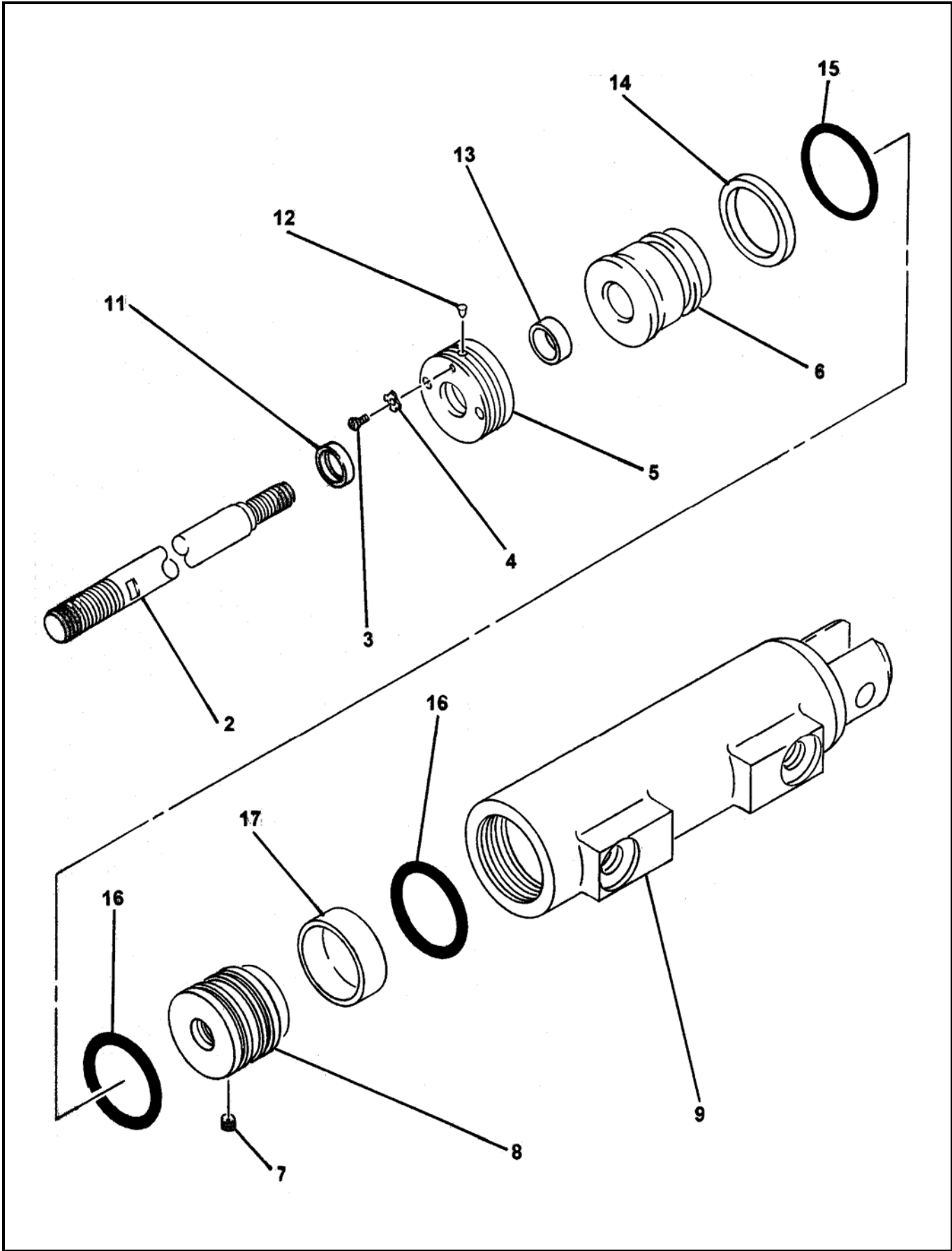


ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
42	85538	• • • Race, Inner	1
43		• • Fitting, Grease 90	1
44		• • Bolt, Hex	1
45		• • Pin, Cotter	2
46	86135	• • Clevis, Swing Ram Cylinder	1
47	86150	• • Pin, Clevis	1
48		• • Nut, Hex	1
49	BW10374	• • Assembly, Swing Ram Cylinder (See Group 60, Figure 03 for DET)	1
50		• • Fitting, 90	2
51	86052	• • Pin, Spring	2
52		• • Fitting, Grease STR	1
53	85947	• • Bracket, Swing Cylinder	1
54	71011	• • • Bushing, Shift Cylinder	1
55	74207	• • Pin, Clevis	1
56		• • Pin, Cotter	2
57	86086	• Ring, Anti-Chip	1
		DASH (-) ITEM NOT ILLUSTRATED	



SWING RAM CYLINDER ASSEMBLY

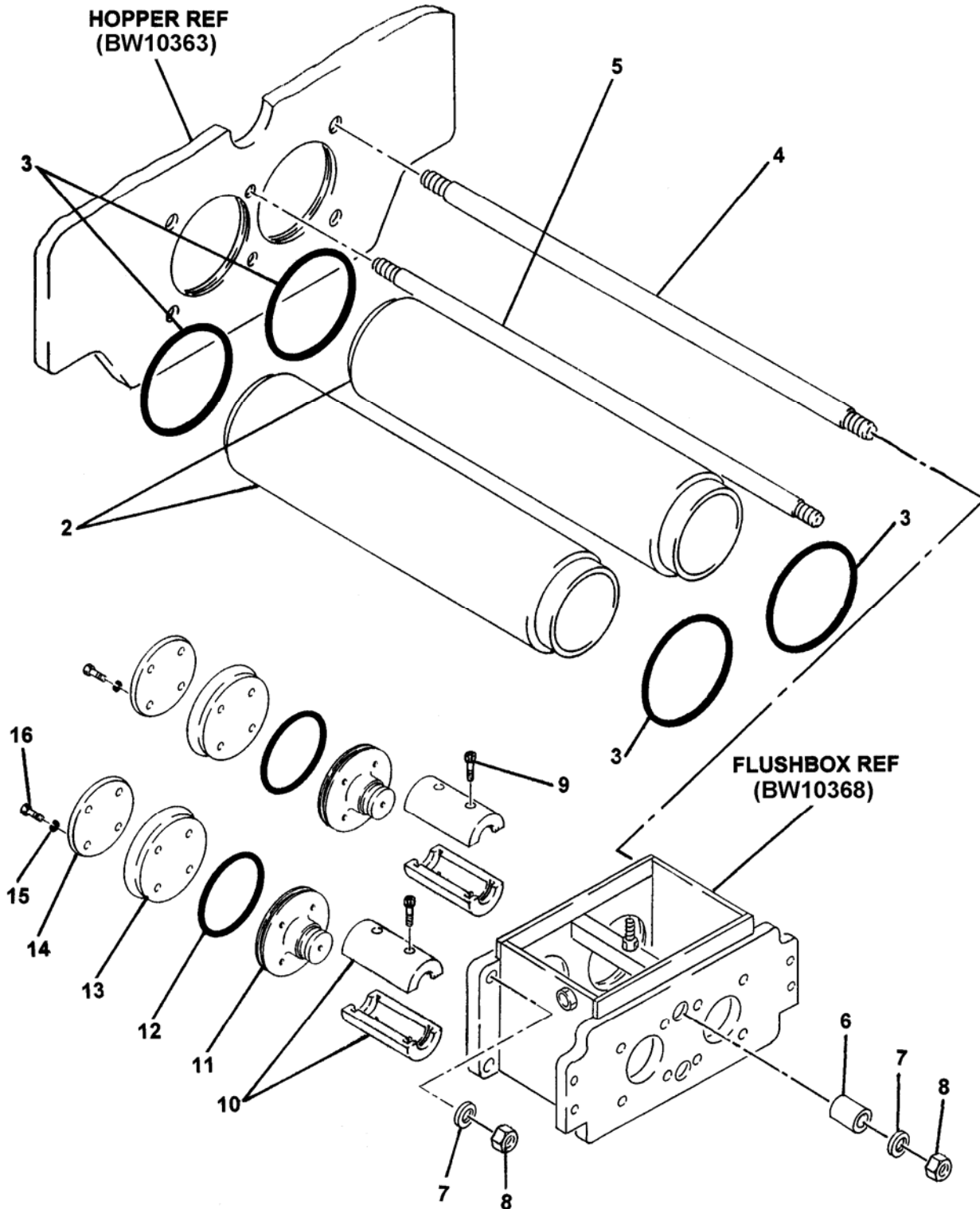
A40HP
PARTS
GROUP 60
FIGURE 03
PAGE 01



REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	BW10374	Assembly, Swing Ram Cylinder (See Group 60, Figure 02 for NHA)	Ref
2		• Rod, Cylinder	1
3		• Screw, Cap	1
4		• Washer, Lock	1
5		• Ring, Threaded	1
6		• Gland, Head	1
7		• Screw, Set	1
8		• Piston	1
9		• Weldment, Cylinder Case	1
-10	BW10374-SK	• Kit, Seal	1
11		• • Wiper, Rod	1
12		• • Plug, Nylon	1
13		• • U-Cup	1
14		• • Seal, Back Up	1
15		• • O-Ring	1
16		• • Seal, Piston	2
17		• • Ring, Wear	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:

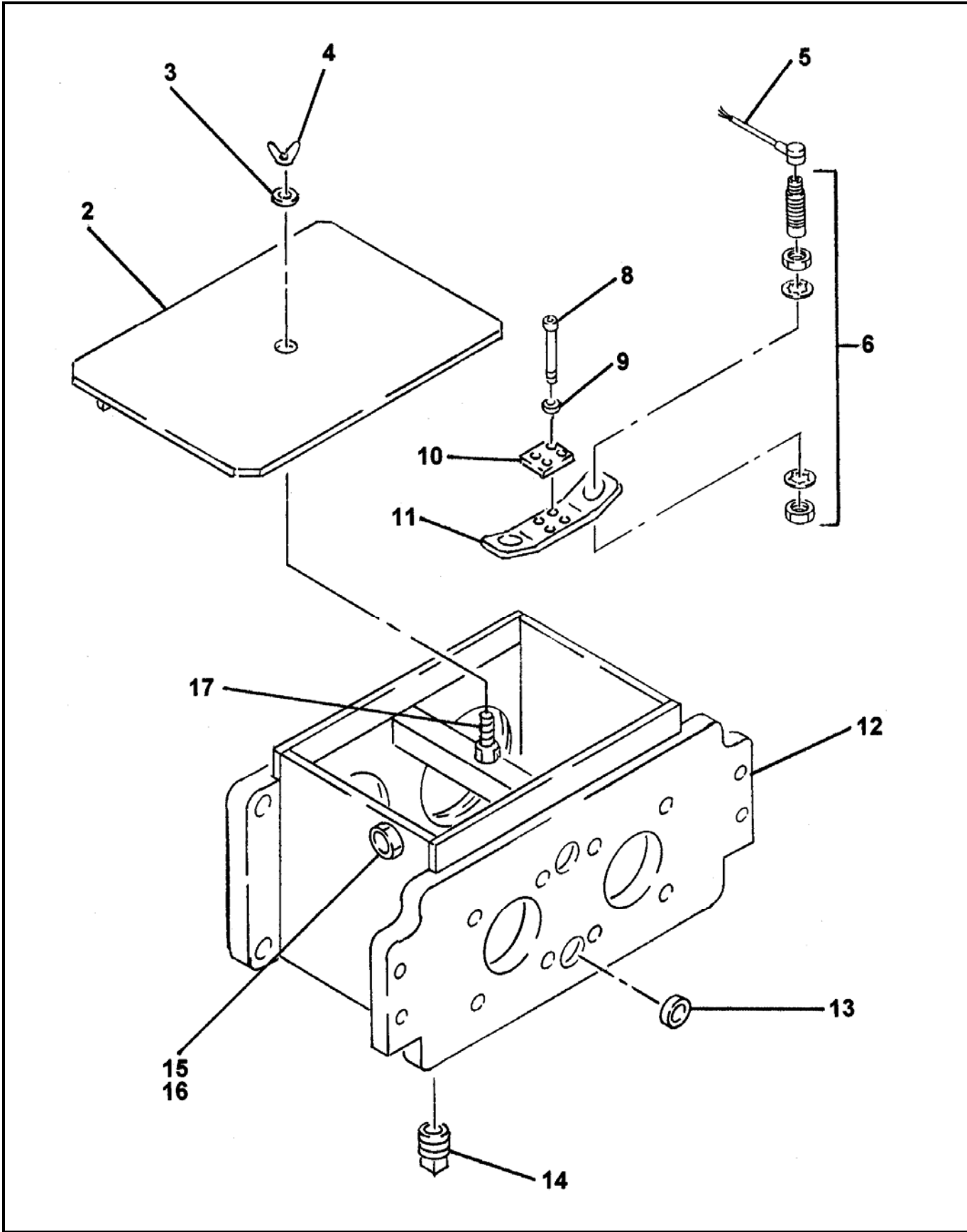


ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	BW23040	Group, Concrete Cylinder (See Group 60, Figure 01 for NHA)	Ref
2	BW10376	• Cylinder, Concrete-6" X 30"	2
3	86149	• O-Ring, Concrete Cylinder	4
4	BW10380	• Rod, Tie-Short	4
5	BW10381	• Rod, Tie-Long	2
6	BW10379	• Spacer, Tie Rod	2
7		• Washer, Flat (attaching Parts)	6
8		• Nut, Hex (attaching Parts)	6
9		• Screw, Cap	4
10	73425	• Coupling, Piston	2
11	77194	• Adapter, 6 Inch Piston	2
12	77120	• Ring, Wear 6 Inch (Guide Band)	2
13	70048	• Cup, 6 Inch Piston	2
14	70057	• Plate, 6 Inch Piston	2
15		• Washer, Star (attaching Parts)	8
16		• Bolt, Hex (attaching Parts)	8
		DASH (-) ITEM NOT ILLUSTRATED	



FLUSH BOX ASSEMBLY

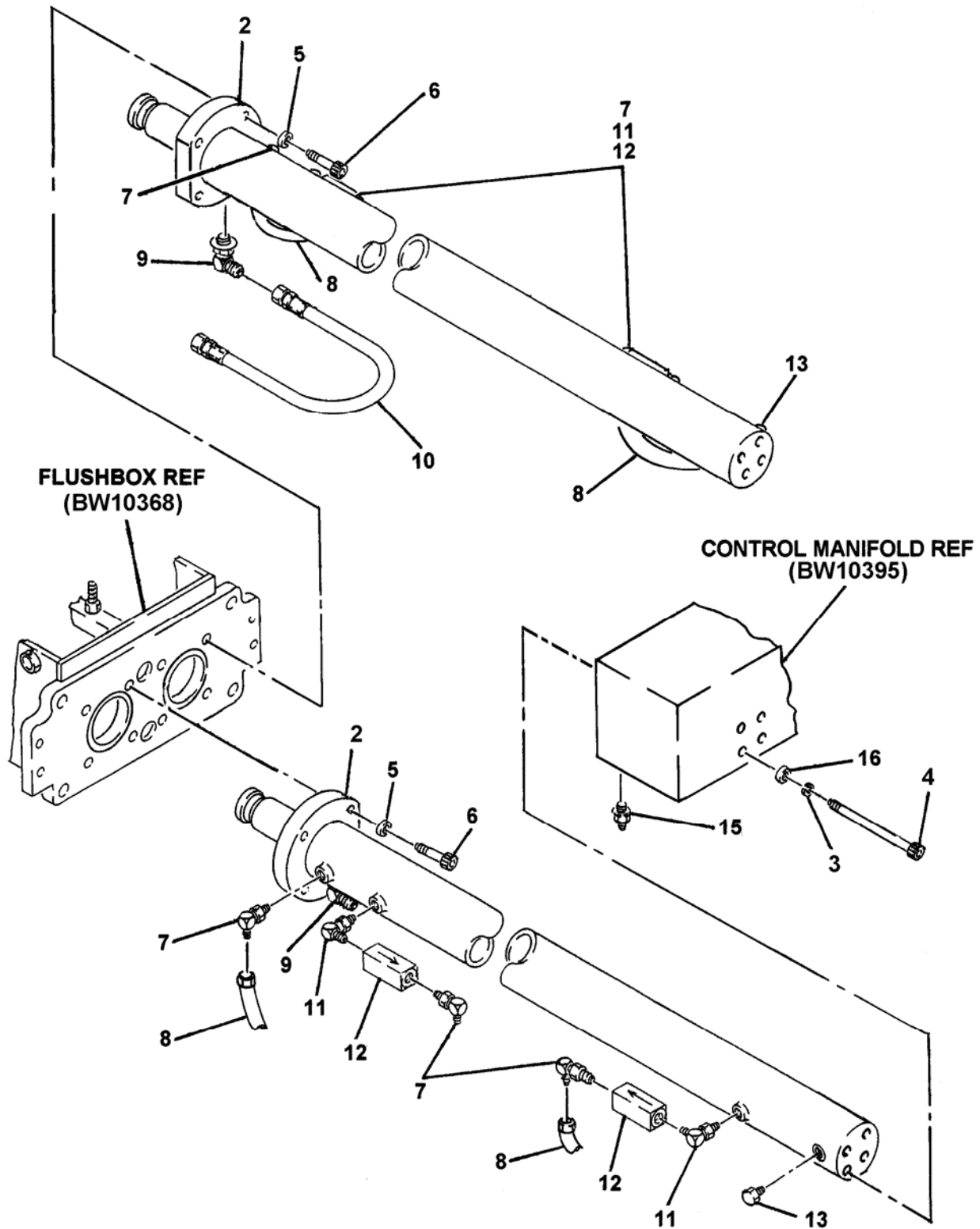
A40HP
PARTS
GROUP 60
FIGURE 05
PAGE 01



REVISION:

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-05	Assembly, Flush Box-6 Inch (See Group 60, Figure 01 for NHA)	Ref
2	BW10387	• Weldment, Flush Box Cover	1
3		• Washer, Flat	1
4		• Nut, Wing	1
5	77990	• Cable, Proximity Switch	2
6	77998	• Sensor, Proximity Switch	2
-7	BW22040	• Assembly, Flush Box Group	1
8		• • Bolt	4
9		• • Washer, Lock	4
10	BW10102	• • Bracket, Proximity Switch	1
11	BW10383	• • Bracket, Proximity Switch	1
12	BW10368	• • Weldment, 6 Inch Flush Box	1
13	BW10030	• • Seal, Oil	4
14	10282	• • Plug	1
15	10528	• • Nut	1
16	73783	• • Conduit, Fitting	1
17	BW10193	• • Stud	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:

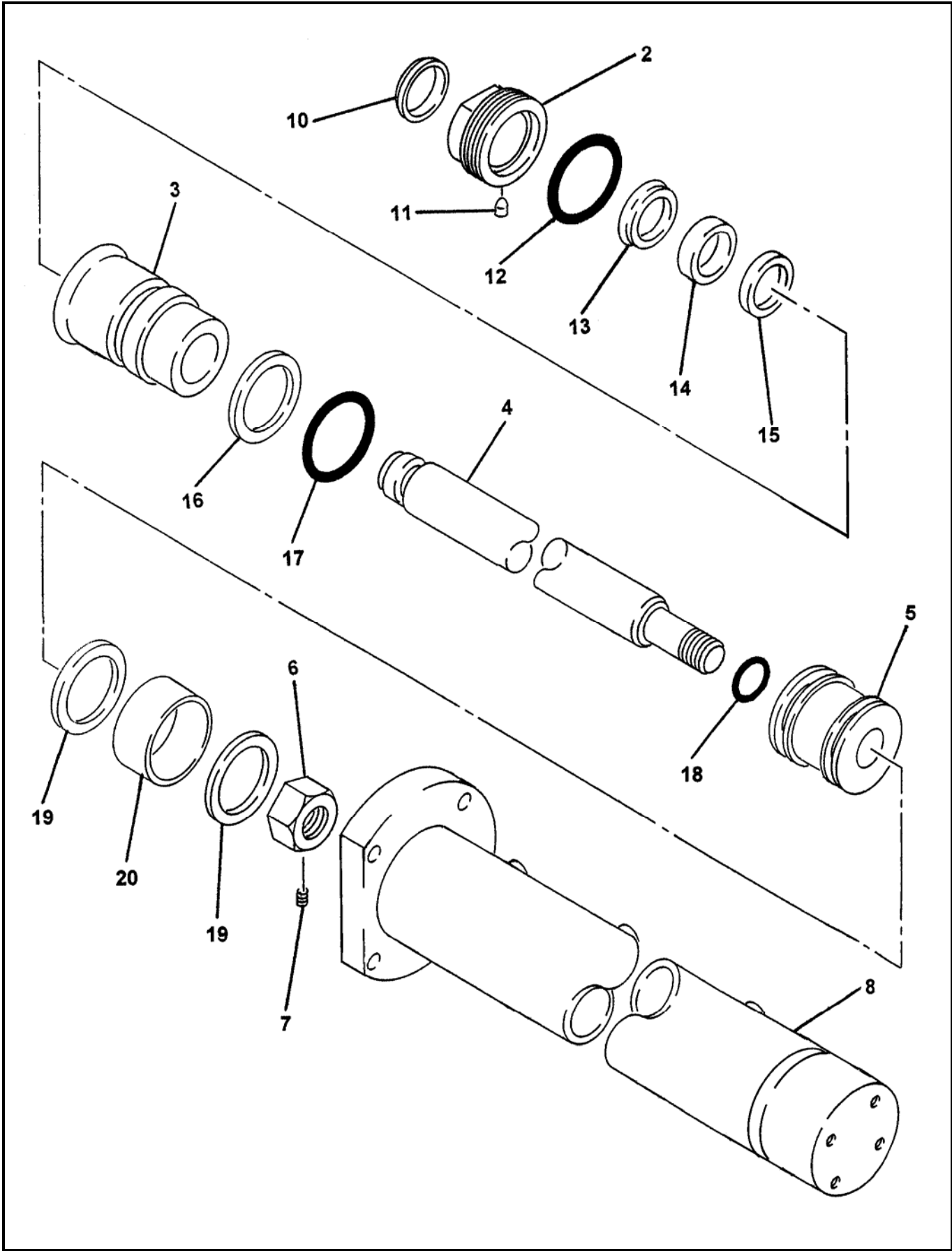


ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	BW21040	Group, Hydraulic Drive Cylinder (See Group 60, Figure 01 and Figure 02 for NHA)	Ref
2	BW10373	• Cylinder, Drive-3.75 X 30 (See Group 60, Figure 07 for DET)	2
3		• Washer, Lock	8
4		• Bolt	8
5		• Washer, Lock (attaching parts)	8
6		• Bolt (attaching parts)	8
7		• Fitting, 90	6
8	BW10051	• Assembly, Hose	4
9		• Fitting, 90	2
10	BW10394	• Assembly, Lube Line Hydraulic Tube	1
11	86728-023	• Fitting, 90	4
12	78961	• Valve, Check	4
13		• Plug	2
14	BW10177	• O-Ring	2
15		• Fitting, STR	2
16	BW10155	• Washer, Hardened	8
17			
18		DASH (-) ITEM NOT ILLUSTRATED	



DRIVE CYLINDER ASSEMBLY

A40HP
PARTS
GROUP 60
FIGURE 07
PAGE 01



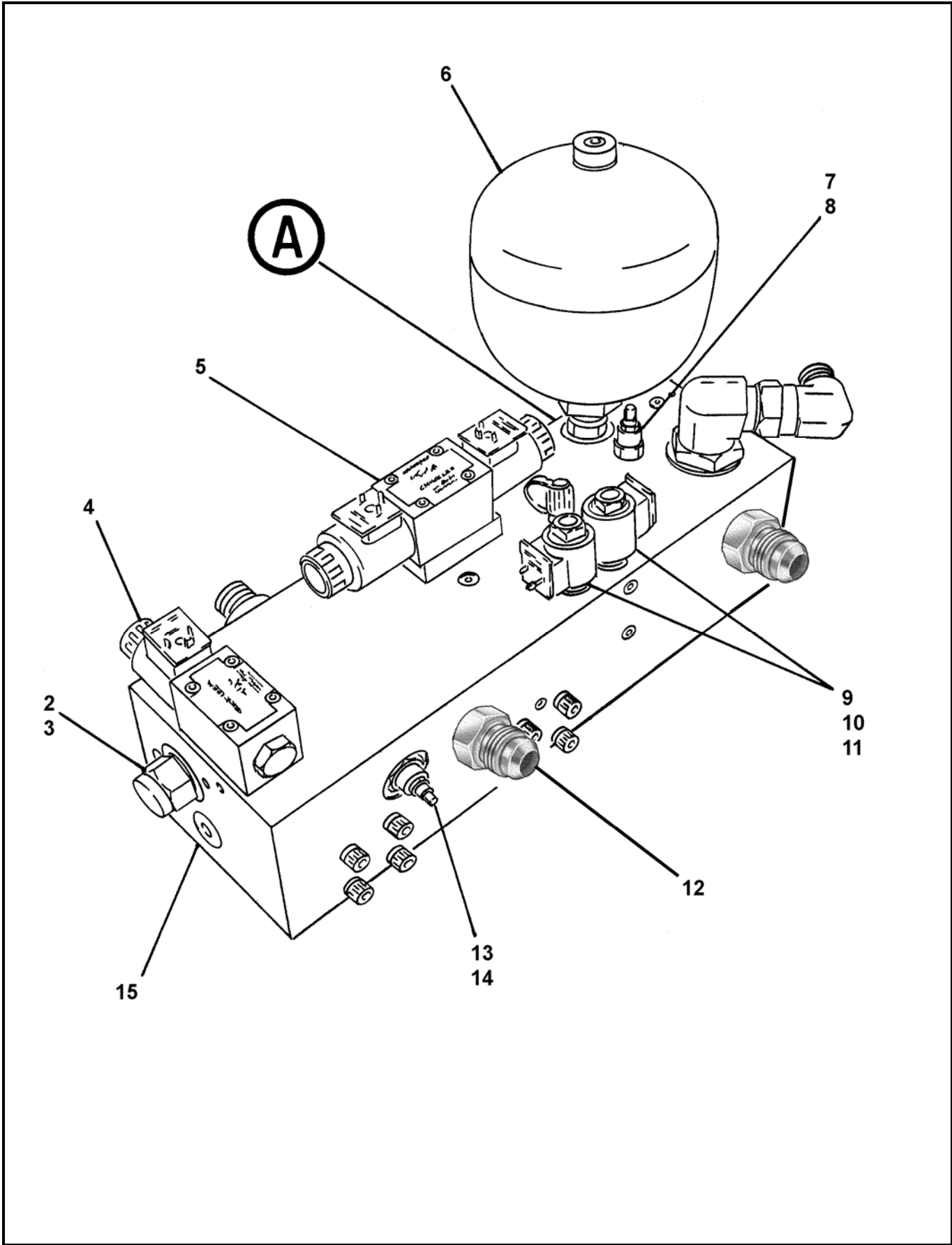
REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	BW10373	Assembly, Drive Cylinder (3.75 x 30) (See Group 60, Figure 06 for NHA)	Ref
2		• Ring, Threaded	1
3		• Gland, Head	1
4		• Rod, Cylinder	1
5		• Piston	1
6		• Nut, Piston	1
7		• Plug	1
8		• Weldment, Cylinder Case	1
-9	BW10373-SK	• Kit, Seal	1
10		• • Wiper, Rod	1
11		• • Plug, Nylon	1
12		• • O-Ring	1
13		• • Ring, Back Up	1
14		• • U-Cup	1
15		• • Seal, Buffer	1
16		• • Ring, Back Up	1
17		• • O-Ring	1
18		• • O-Ring	1
19		• • Seal, Piston	2
20		• • Ring, Wear	1
		DASH (-) ITEM NOT ILLUSTRATED	



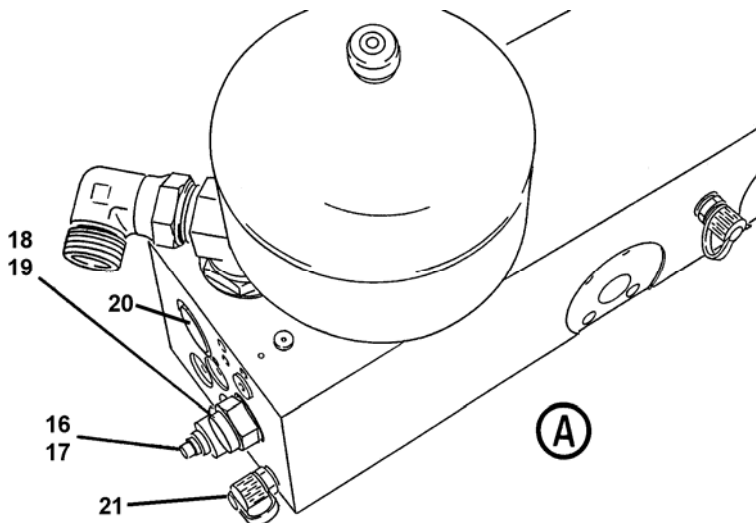
CONTROL MANIFOLD
WITH CARTRIDGE ASSEMBLY

A40HP
PARTS
GROUP 60
FIGURE 08
PAGE 01



REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	BW10395	Assembly, Control Manifold with Cartridge (See Group 60, Figure 01 for NHA)	Ref
2	BW10181	• Cartridge, Directional Valve	1
3	BW10181-SK	• • Kit, Directional Valve Cartridge Seal	1
4	BW10183	• Assembly, Reverse Circuit Pilot Solenoid Valve (See Group 60, Figure 10 for DET)	1
5	85691	• Assembly, Main Cycling Circuit Pilot Solenoid Valve (See Group 60, Figure 11 for DET)	1
6	BW10184	• Assembly, 2 Liter Accumulator	1
7	85704	• Cartridge, Unloading Valve	1
8	85704-SK	• • Kit, Unloading Valve Cartridge Seal	1
9	BW10185	• Poppet, 2 Way Solenoid Valve Less Coil	2
10	BW10186	• Coil, 2 Way Solenoid Valve	2
11		• Kit, 2 Way Solenoid Valve Seal	2
12	86900-028	• Adapter, MB-MJ-16-16	4
13	BW10326	• Cartridge, Relief Valve	1
14		• • Kit, Relief Valve Cartridge Seal	1
15	BW10375	• Body, Manifold	1
16	85703	• Cartridge, Relief Valve	1
17	85703-SK	• • Kit, Relief Valve Cartridge Seal	1
18	BW10182	• Cartridge, Directional Valve	1
19	BW10182-SK	• • Kit, Directional Valve Cartridge Seal	1
20	BW10327	• Valve, Check	1
21	78593	• Adapter, Minicheck	3
-22	86900-024	• Adapter, MB-MJ-12-16	1
-23	BW10328	• Adapter, MB-MB-12-12	1
-24	86900-023	• Adapter, MB-MJ-12-12	2
-25	86728-028	• Elbow, MB-MJ90-20-24	1
-26	86905-012	• Elbow, MJ-FJX90-24-24	1
-27	BW10177	• O-Ring-#219	2
-28	BW10329	• SHCS 10-24 x 2" Long	8
-29	86900-002	• Adapter, MB-MJ-4-6	2
DASH (-) ITEM NOT ILLUSTRATED			

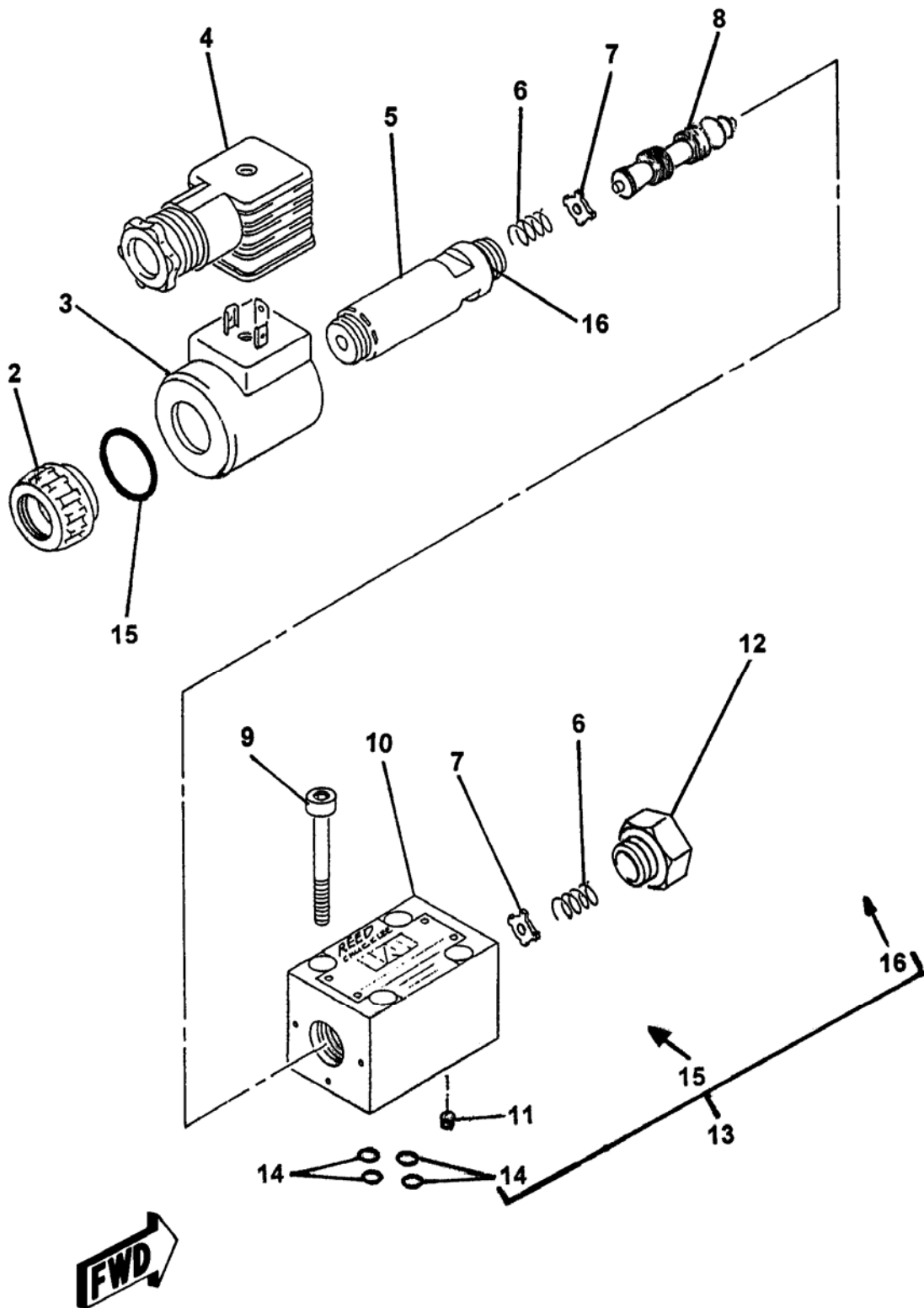


REVISION:



REVERSE CIRCUIT PILOT
SOLENOID VALVE ASSEMBLY

A40HP
PARTS
GROUP 60
FIGURE 09
PAGE 01





CONTROL MANIFOLD WITH CARTRIDGE ASSEMBLY

A40HP
PARTS
GROUP 60
FIGURE 09
PAGE 02

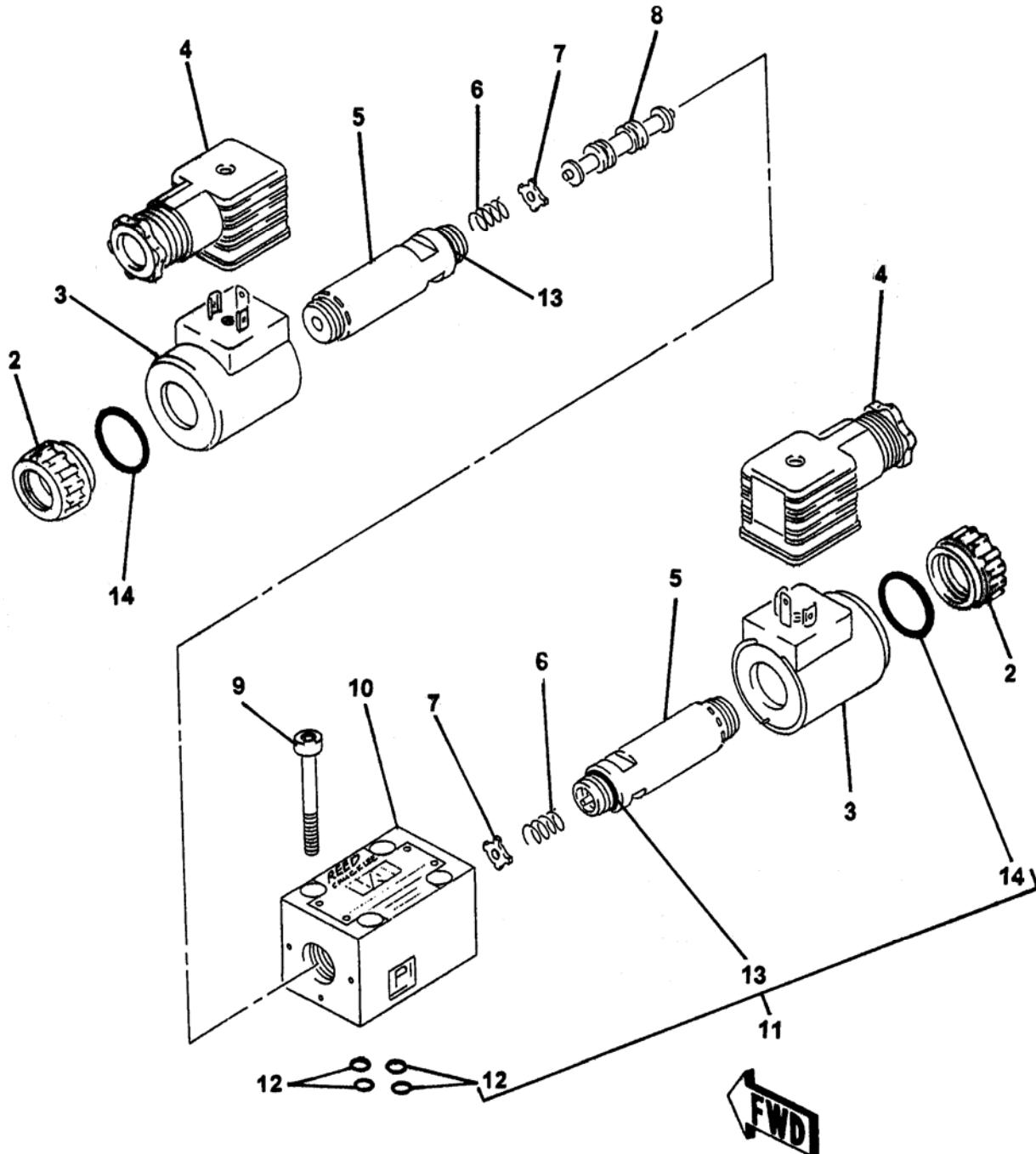
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	BW10183	Assembly, Reverse Circuit Pilot Solenoid Valve (See Group 60, Figure 09 for NHA)	Ref
2		• Cap, Coil	1
3	85692	• Coil, Drive Cylinder Circuit Main Solenoid	1
4	74597	• Connector, Plug	1
5		• Amature	1
6		• Spring	2
7		• Plate, Spring	2
8		• Spool	1
9		• Screw, SOC	4
10		• Housing, Solenoid Valve	1
11		• Orifice	1
12		• Plug	1
13	72313	• Kit, O-Ring	1
14		• • O-Ring	4
15		• • O-Ring	1
16		• • O-Ring	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

MAIN CYCLING CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

A40HP
PARTS
GROUP 60
FIGURE 10
PAGE 01



REVISION:

**MAIN CYCLING CIRCUIT
PILOT SOLENOID VALVE ASSEMBLY**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85691	Assembly, Main Cycling Circuit Pilot Solenoid Valve (See Group 60, Figure 09 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



TRAILER MOUNTED PUMP – *A40HP*
ILLUSTRATED PARTS MANUAL

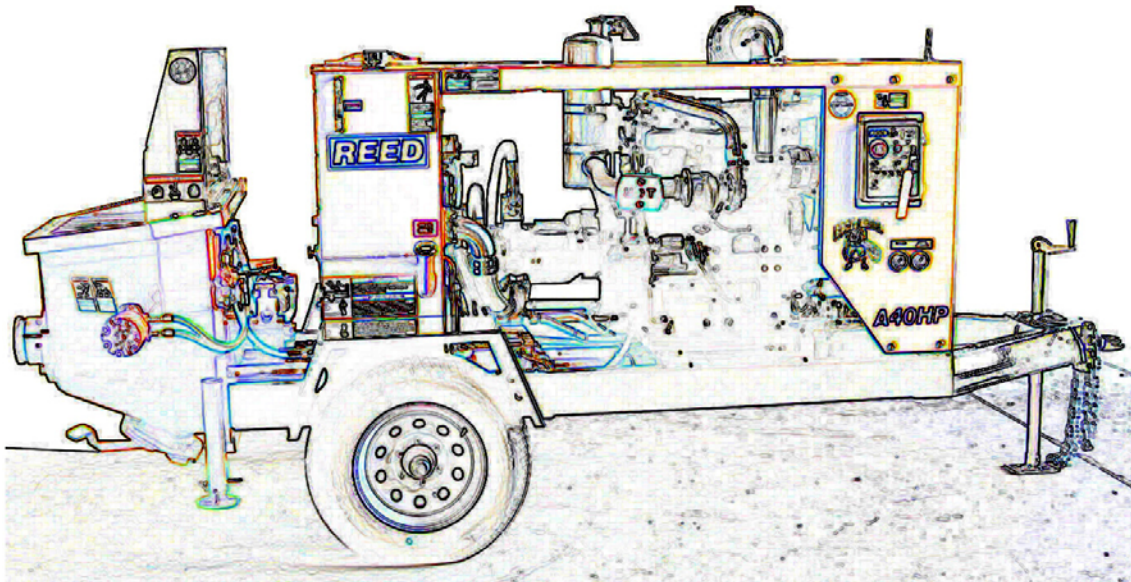
A40HP
PARTS
GROUP 60
FIGURE 11
PAGE 01

THIS PAGE INTENTIONALLY LEFT BLANK.

REVISION:

REED TRAILER MOUNTED CONCRETE PUMP 01 MODEL A40HP ILLUSTRATED PARTS MANUAL GROUP 70 FRAME INSTALLATION CONTAINS THE FOLLOWING FIGURES:

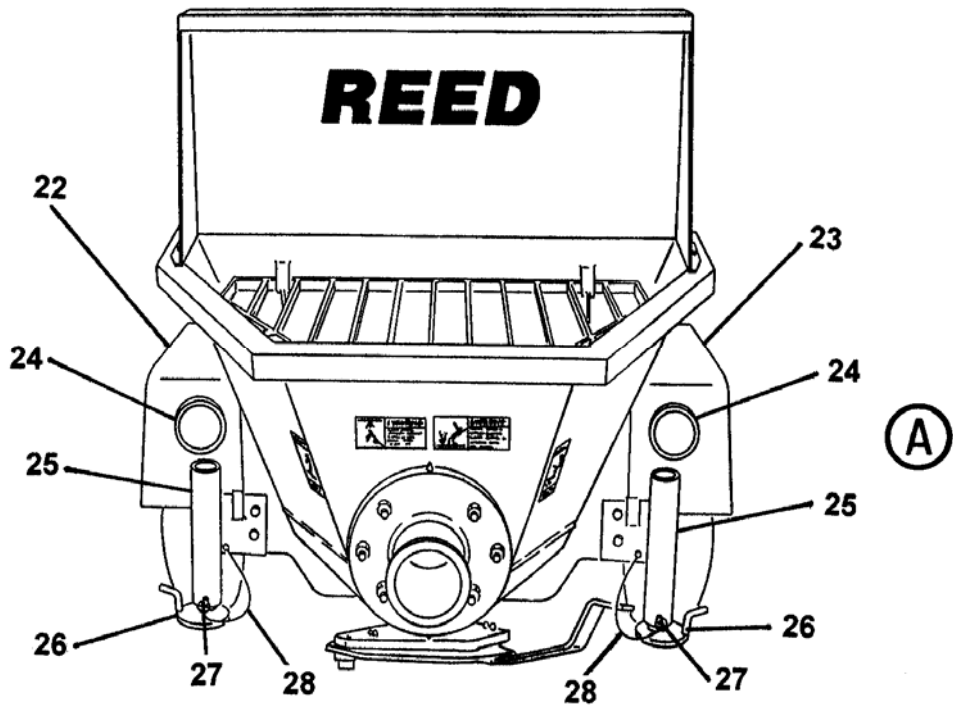
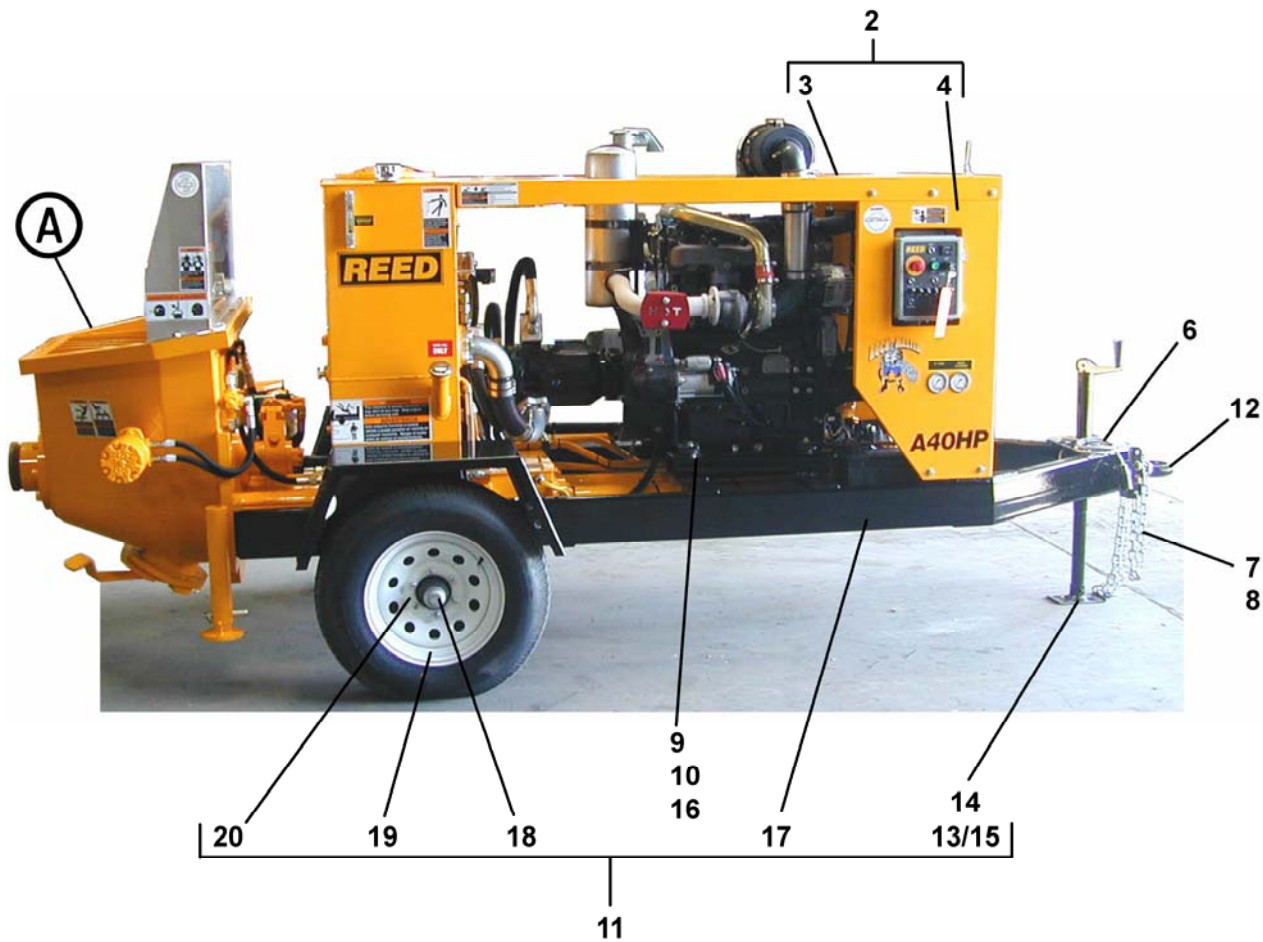
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** FRAME INSTALLATION
- FIGURE 02** HUB AND BRAKE ASSEMBLY
- FIGURE 03** NON-OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY
- FIGURE 04** OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY





FRAME INSTALLATION

A40HP
PARTS
GROUP 70
FIGURE 01
PAGE 01

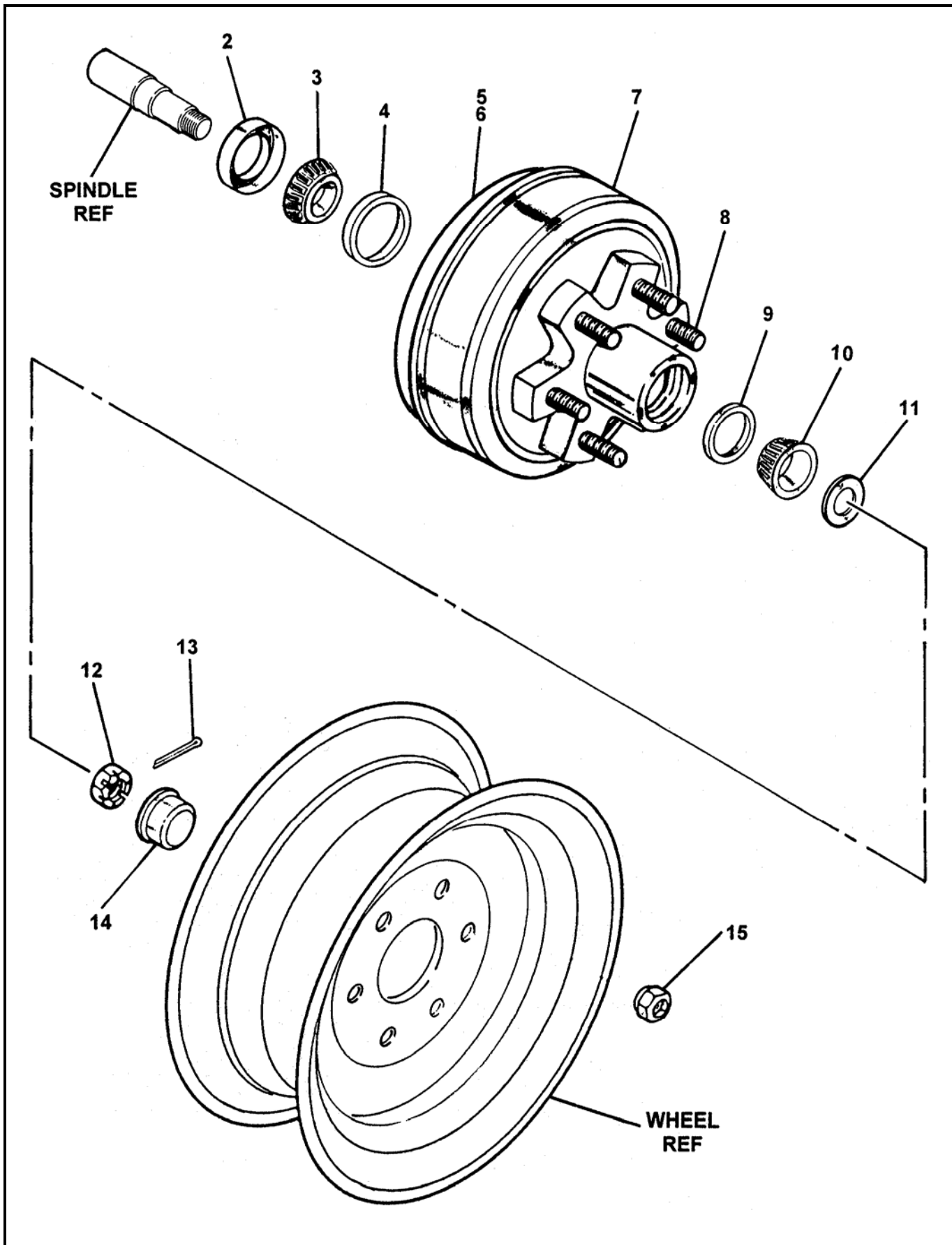


REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	70-01	Installation, Frame (See Group 10, Figure 01 for NHA)	Ref
2	BW45030	• Group, Cover	1
3	BW10399	• • Cover, Engine Top	1
4	BW10400	• • Cover, Engine Front	1
-5	BW41020	• Group, Frame	1
6	77705	• • Kit, Break Away	1
7	86243	• • Connector, Chain	2
8	86242	• • Chain, 3/8 Proof Coil GR 30 Zinc 6 FT	1
9	BW10266	• • Engine Mount-Front (Yellow)	2
10	BW10270	• • Engine Mount-Rear (Green)	2
11	BW10404	• • Assembly, Frame	1
12	71051	• • • Lunette, 3 Inch Eye	1
13	BW10099	• • • Jack, Caster	1
14	BW10098	• • • Jack	1
15	BW10169	• • • Jack, Foot	1
16	BW10267	• • • Fender Washer-3/4" ID	4
17	BW10398	• • • Weldment, Frame	1
18	BW10095	• • • Axle	1
19	BW10096	• • • Assembly, Tire and Wheel	2
20	70-02	• • • Assembly, Hub and Brake (See Group 70, Figure 02 for DET)	1
-21	BW10180	• • • Spacer, Axle Mount	2
22	BW10349	• • Weldment, Left Fender	1
23	BW10350	• • Weldment, Right Fender	1
24	72948	• • Light, Tail	2
25	BW10114	• • Weldment, Outrigger Outer Tube	2
26	BW10110	• • Weldment, Outrigger Inner Leg	2
27	85595	• • Pin, Outrigger Safety	2
28	800418	• • Lanyard, Q/R Pin	2
-29	85981	• • Clamp, Loom	3
-30	86759	• • Grommet, Trailer	5
-31	801902-007	• • Clamp, Tube-Single	6
-32	801902-001	• • Nut, Tee-Tube Clamp	10
DASH (-) ITEM NOT ILLUSTRATED			

HUB AND BRAKE ASSEMBLY

A40HP
PARTS
GROUP 70
FIGURE 02
PAGE 01



REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	70-02	Assembly, Hub and Brake (Left And Right Side) (See Group 70, Figure 01 for NHA)	Ref
2	86709	• Seal, Double Lip Grease	2
3	71094	• Bearing, Inner	2
4	71092	• Race, Inner Bearing	2
5	71056-L	• Assembly, Non-Operator Side Electric Brake (Set) (See Group 70, Figure 03 for DET)	1
6	71056-R	• Assembly, Operator Side Electric Brake (Set) (See Group 70, Figure 04 for DET)	1
7		• Assembly, Drum And Hub	2
8		• Stud, Wheel	12
9		• Race, Outer Bearing	2
10		• Bearing, Outer	2
11		• Washer, Spindle	2
12		• Nut, Spindle	2
13		• Pin, Cotter	2
14		• Cap, Dust	2
15		• Nut, Wheel	12

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

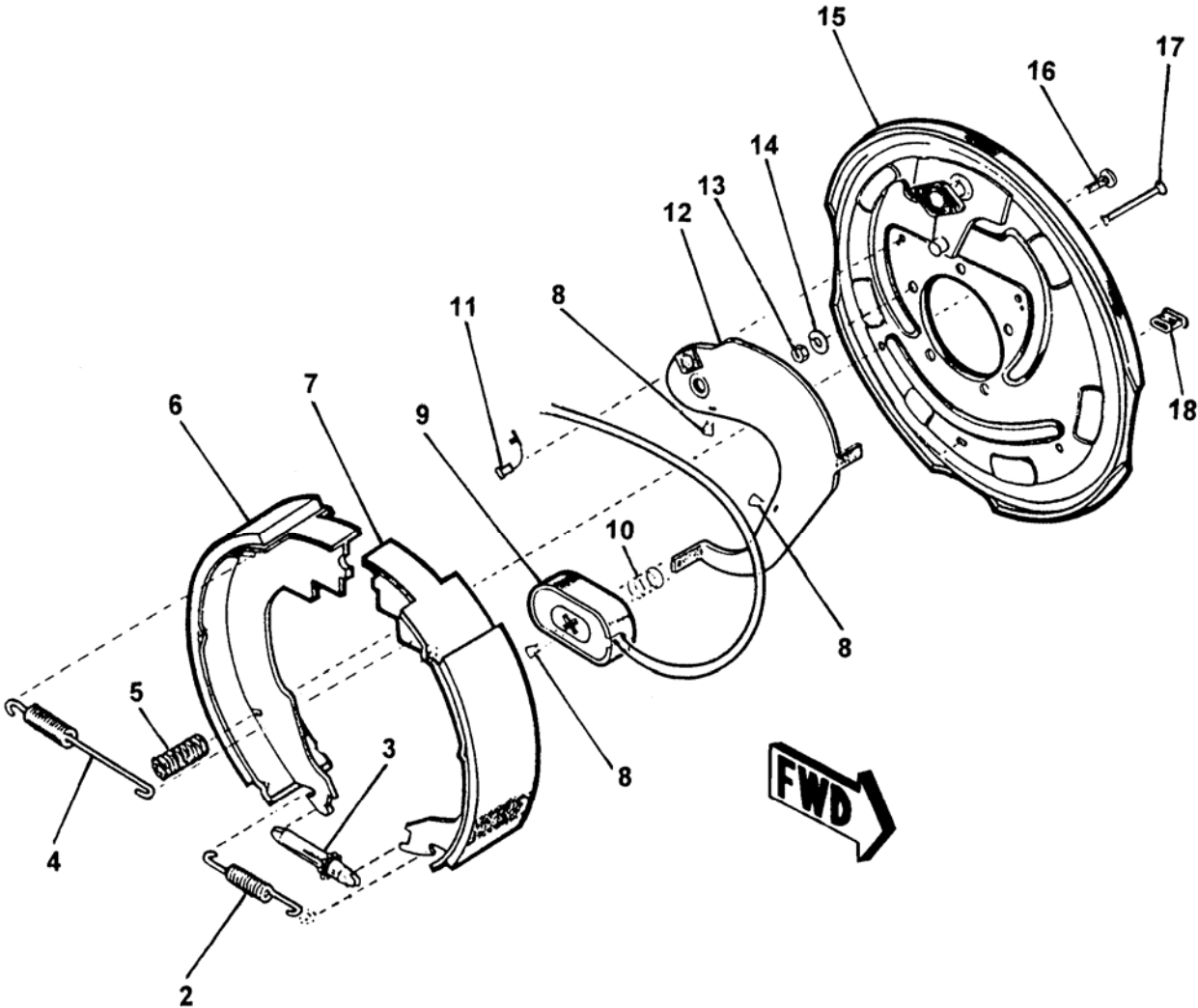
ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	71056-L	Assembly, Non-Operator Side Electric Brake (See Group 70, Figure 02 for NHA)	Ref
2		• Slot, Plug Adjust	1
3		• Pin, Shoe Hold down	1
4		• Stud, Brake Mounting	5
5		• Assembly, Baking Plate	1
6		• Washer, Brake Lock	5
7		• Nut, Brake Mounting	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



OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY

A40HP
PARTS
GROUP 70
FIGURE 04
PAGE 01



**OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY**

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



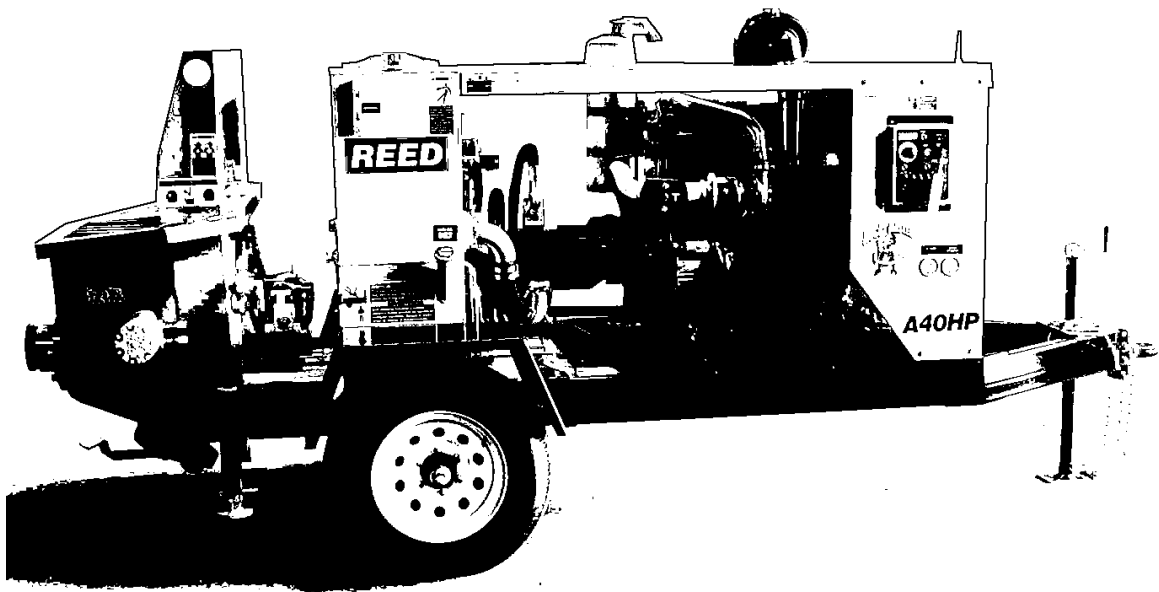
**TRAILER MOUNTED PUMP – A40HP
ILLUSTRATED PARTS MANUAL**

**A40HP
PARTS**
GROUP 70
FIGURE 05
PAGE 01

THIS PAGE INTENTIONALLY LEFT BLANK.

REED TRAILER MOUNTED CONCRETE PUMP 01 MODEL **A40** ILLUSTRATED PARTS MANUAL GROUP 80 OPTIONAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

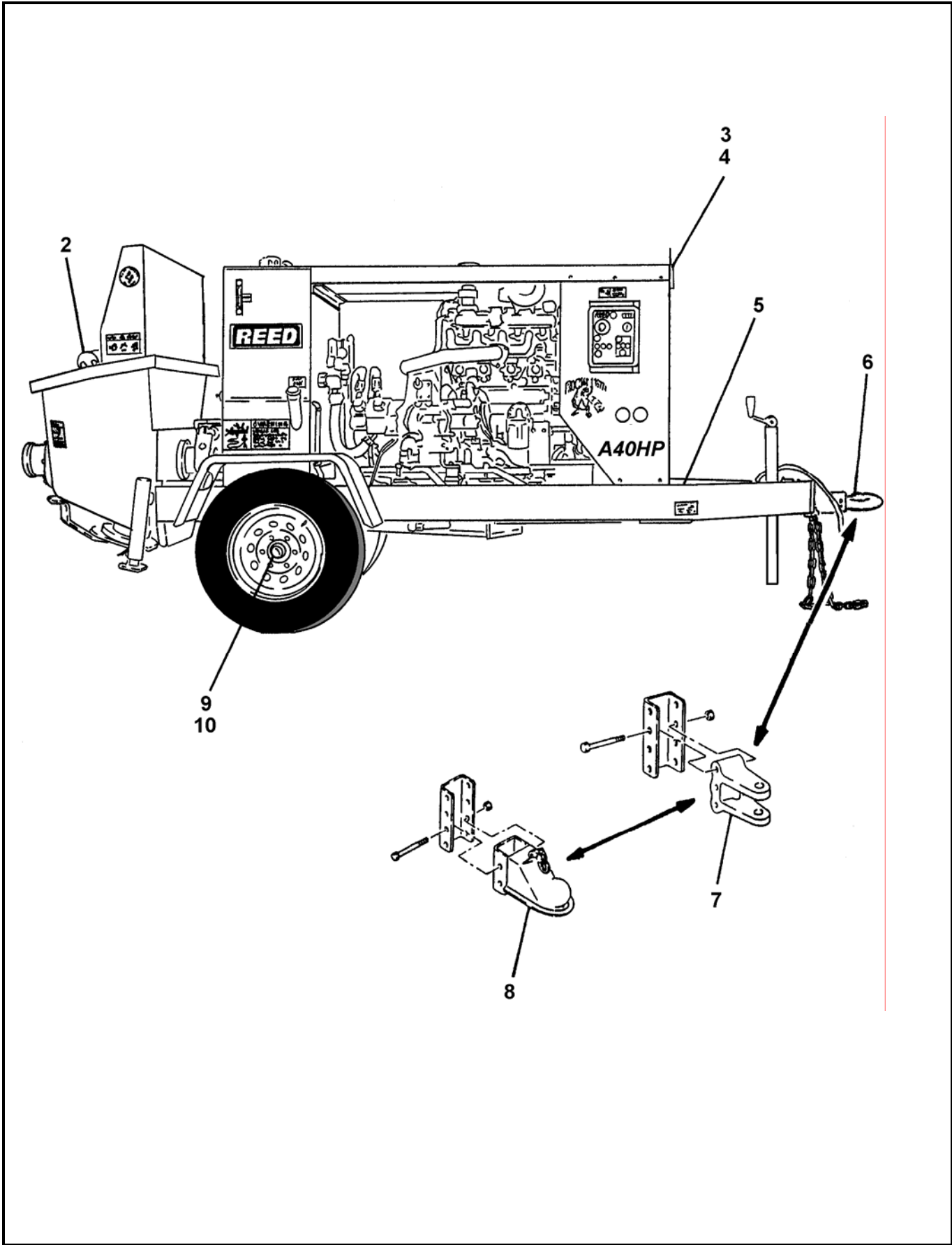
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** OPTIONAL INSTALLATION
- FIGURE 02** HOPPER VIBRATOR ASSEMBLY
- FIGURE 03** OPTIONAL TOOL KIT ASSEMBLY
- FIGURE 04** ACTUATOR-SURGE BRAKES ASSEMBLY
- FIGURE 05** NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 06** OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY





OPTIONAL INSTALLATION

A40HP
PARTS
GROUP 80
FIGURE 01
PAGE 01



REVISION:

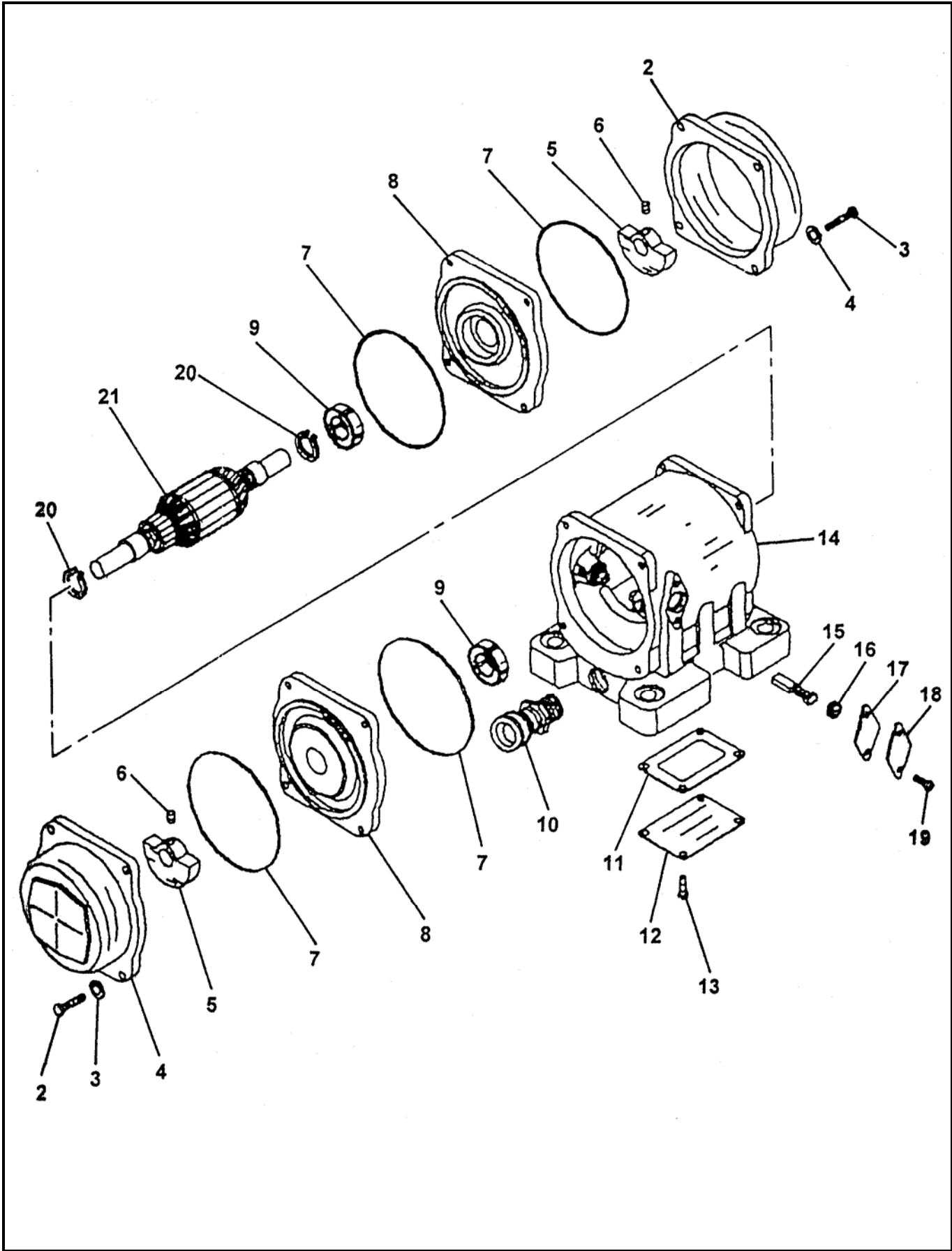
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-01	Installation, Optional (See Group 10, Figure 01 for NHA)	Ref
2	71429	• Assembly, Hopper Vibration (See Group 80, Figure 02 for DET)	1
3	BW10011	• Assembly, Radio Remote Control Transmitter (See Group 50, Figure 04 for REF)	1
4	BW10012	• Assembly, Radio Remote Control Receiver (See Group 50, Figure 04 for REF)	1
5	79020	• Assembly, Optional Tool Kit (See Group 80, Figure 03 for DET)	1
6	75413	• Assembly, Actuator Brake (See Group 80, Figure 04 for DET)	1
7	71050	• Assembly, Adjustable 1 Inch Clevis	1
8	71099	• Assembly, Adjustable Ball Coupler 2 – 5/16"	1
9	80-05	• Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 05 for DET)	1
10	80-06	• Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 06 for DET)	1

DASH (-) ITEM NOT ILLUSTRATED



HOPPER VIBRATOR ASSEMBLY

A40HP
PARTS
GROUP 80
FIGURE 02
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

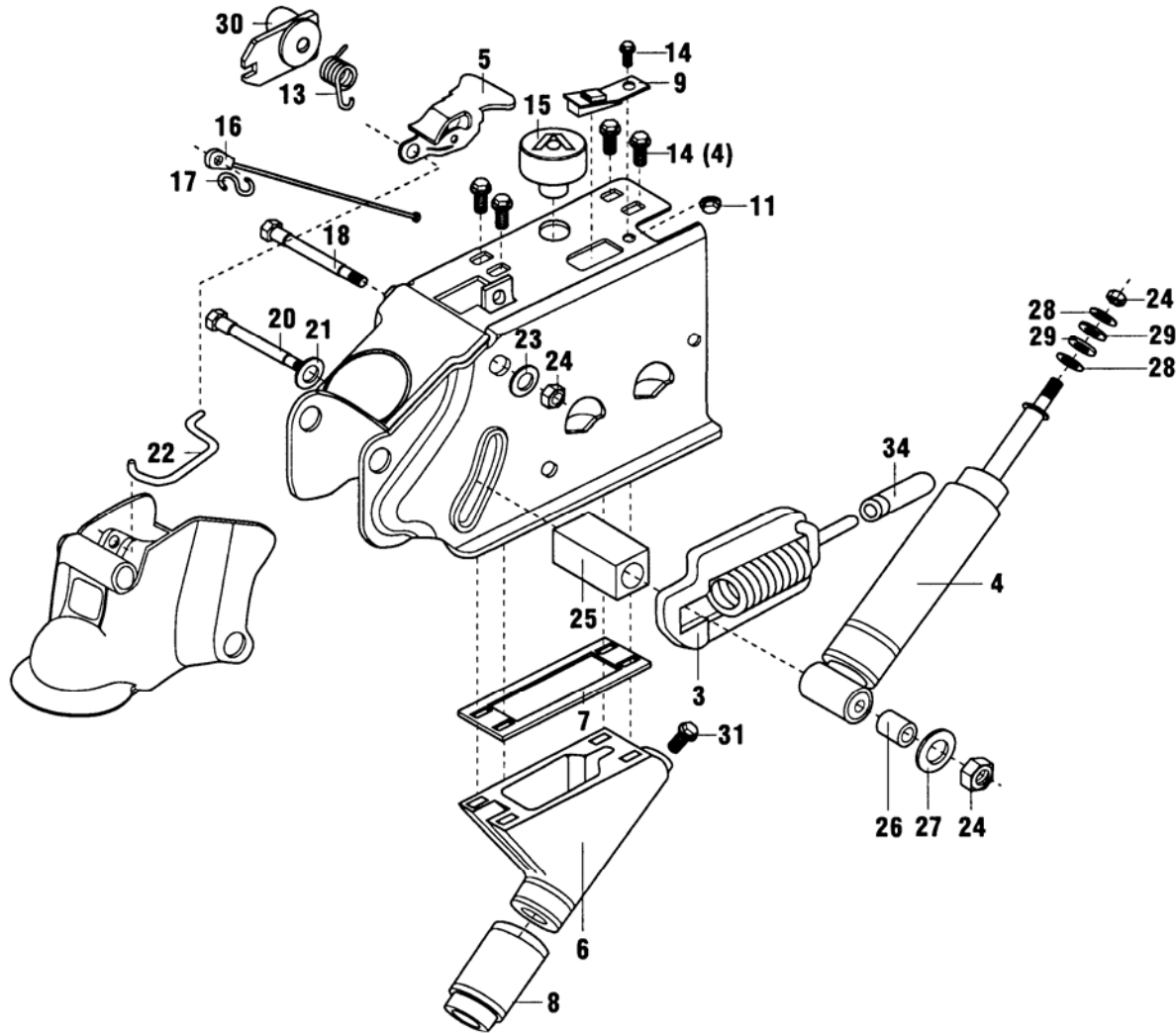


ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	79020	Assembly, Optional Tool Kit (See Group 80, Figure 01 for NHA)	Ref
2	79037	• Kit, Wrench	1
3		• • Wrench, 1/2 Inch	1
4		• • Wrench, 7/16 Inch	1
5		• • Wrench, 3/8 Inch	1
6		• • Wrench, 9/16 Inch	1
7		• • Wrench, 5/8 Inch	1
8		• • Wrench,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



ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-	BW10312	Assembly, Surge Brake-Model A30HP	Ref
1	BW10310	• Frame, Modification-Surge Brakes	1
2	71025	• Actuator, Surge Brake	1
3	71052	• Hydraulic Brake Kit-12 x 2	1pr
4	87256	• Brake Line Kit	1
5	71030	• Torsion Spring-Brake Kit	2
DASH (-) ITEM NOT ILLUSTRATED			



HYDRAULIC BRAKE ACTUATORS

TO ORDER: All kit available for field replacement are numbered. Parts illustrated but not numbered are not available for field replacement. Contact factory service department for further information.

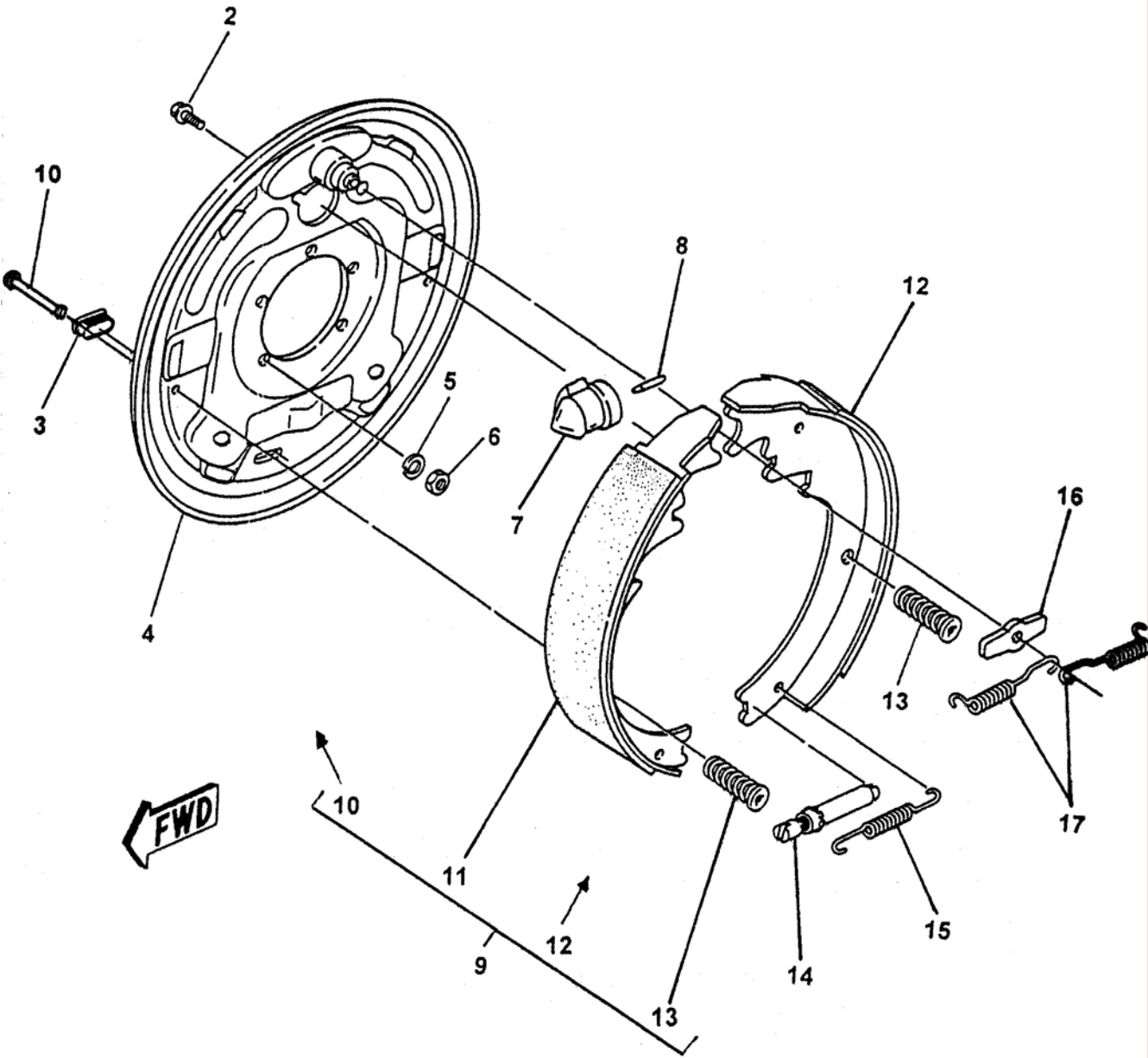
NOTE: Save all attaching hardware when disassembling.

KIT #	DESCRIPTION	REPLACEMENT KIT INCLUDES
85830	SHOCK ABSORBER	4, 24-2 EA. 28-2 EA. 29-2 EA.
87478	CAP	15
85842	SHOULDER BOLT	20, 21, 24-2 EA., 25, 26, 27
85844	RELEASE HANDLE	5, 13, 18, 22, 24-3 EA., 30
85849	STOP & SPRING ASSEMBLY	9, 11, 14, 24
85852	PUSH ROD ASSEMBLY	3, 7, 11, 14-5 EA., 16, 17, 24-2 EA., 34, 8, 9
84258	BOOT	8
80777	ORIFICE-DISC BRAKE APPLICATIONS ONLY	31
85837	MASTER CYLINDER-PUSH ROD KIT DRUM BRAKE APPLICATION	3, 6, 7, 8, 9, 11, 14-5 EA., 16, 17, 24-2 EA. 34
85841	MASTER CYLINDER DRUM BRAKE APPLICATION	6, 7, 14-4 EA. MUST ORDER 84258 SEPARATELY
85838	MASTER CYLINDER-PUSH ROD KIT DISC BRAKE APPLICATION	3, 6, 7, 8, 9, 11, 14-5 EA., 16, 17, 24-2 EA. 34, 15
85840	MASTER CYLINDER DISC BRAKE APPLICATION	6, 7, 14-4 EA. MUST ORDER 84258 SEPARATELY



NON-OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY

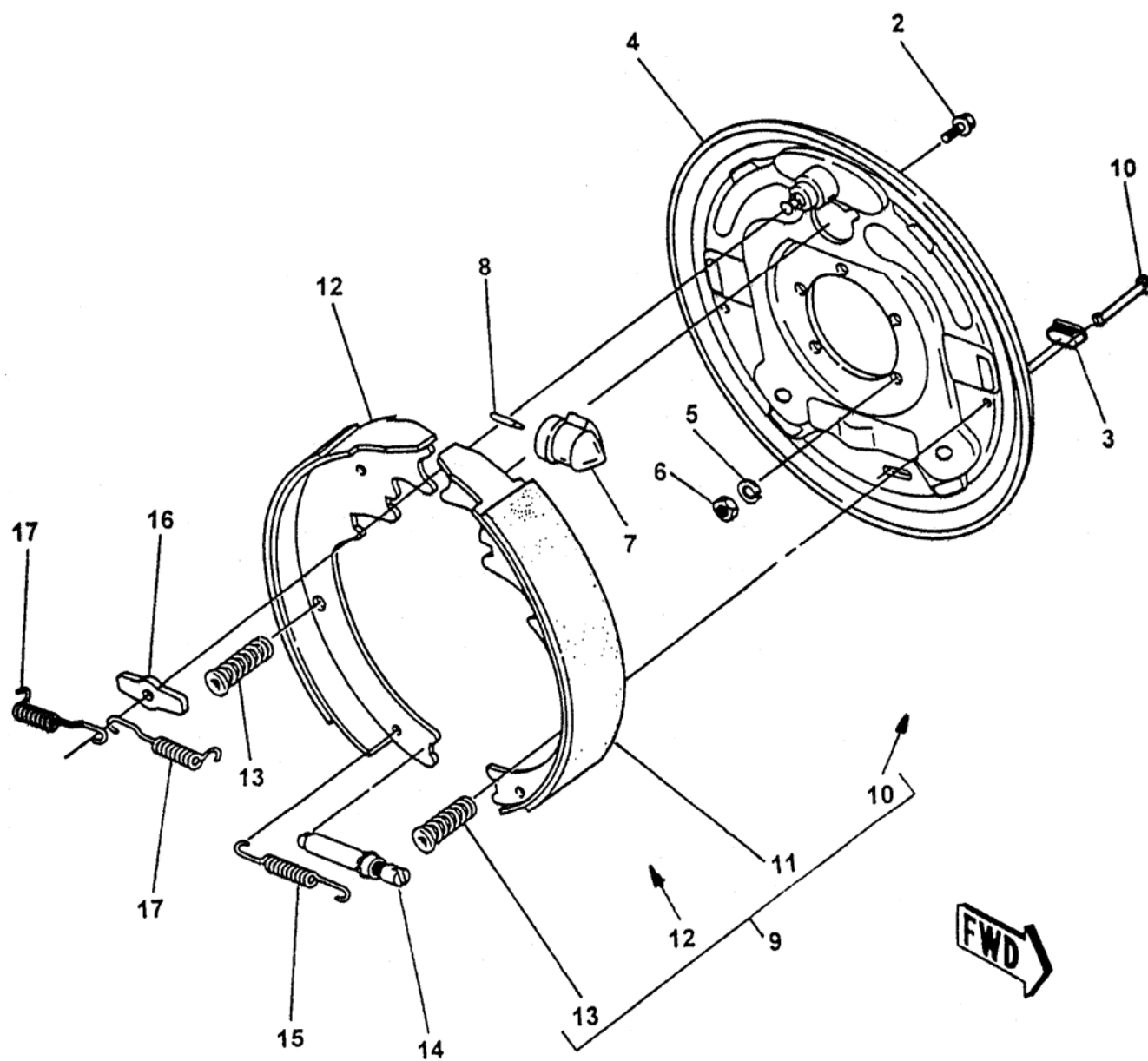
A40HP
PARTS
GROUP 80
FIGURE 05
PAGE 01



**NON-OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-05	Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 01 for NHA)	Ref
2		• Screw, with Washer	1
3		• Plug	2
4		• Plate, Backing	1
5		• Washer, Lock (attaching parts)	5
6		• Nut, Brake Mounting (attaching parts)	5
7		• Cylinder, Non-Operator Side Brake	1
8		• Rod, Push	1
9		• Kit, Non-Operator Side Shoe and Lining	1
10		• • Pin, Shoe Hold Down	2
11		• • Primary, Non-Operator Side	1
12		• • Secondary, Non-Operator Side	1
13		• • Pin, Shoe Hold Down	2
14		• Assembly, Adjuster	1
15		• Spring, Adjusting Screw	1
16		• Washer, Anchor Post	1
17		• Spring, Retractor	2

DASH (-) ITEM NOT ILLUSTRATED



**OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY**

ITEM NO.	REED 'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-06	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