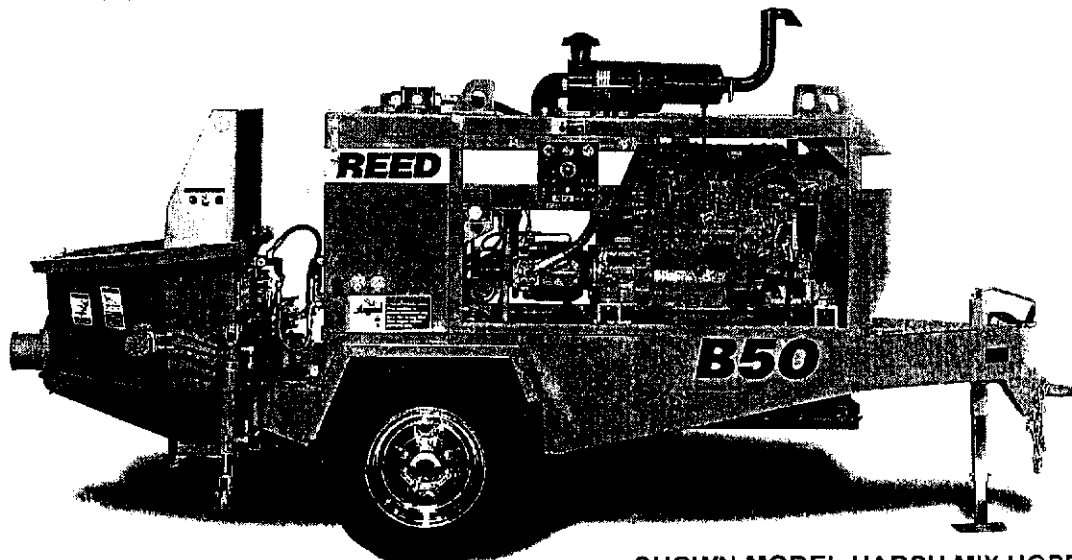


GROUP 70 FRAME INSTALLATION

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
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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 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 ASSEMBLY
FIGURE 19	DOUBLE SWING VALVE ASSEMBLY
FIGURE 20	DOUBLE SWING RAM CYLINDER SUB-ASSEMBLY
FIGURE 21	WATER PUMP CONTROL VALVE ASSEMBLY

**SHOWN MODEL HARSH MIX HOPPER UNIT**



HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 14
PAGE 02

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

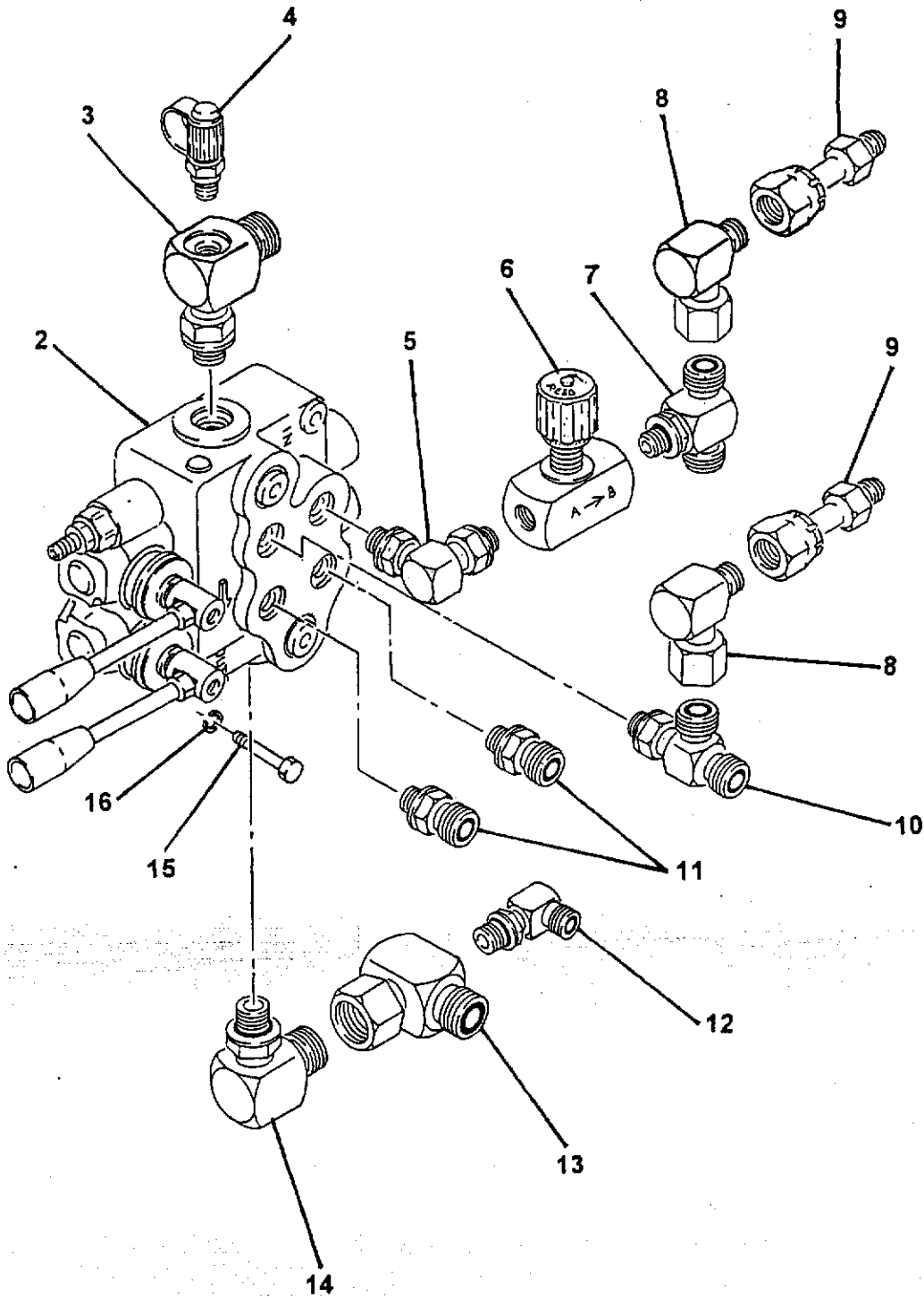
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

2 SPOOL VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 15
PAGE 01



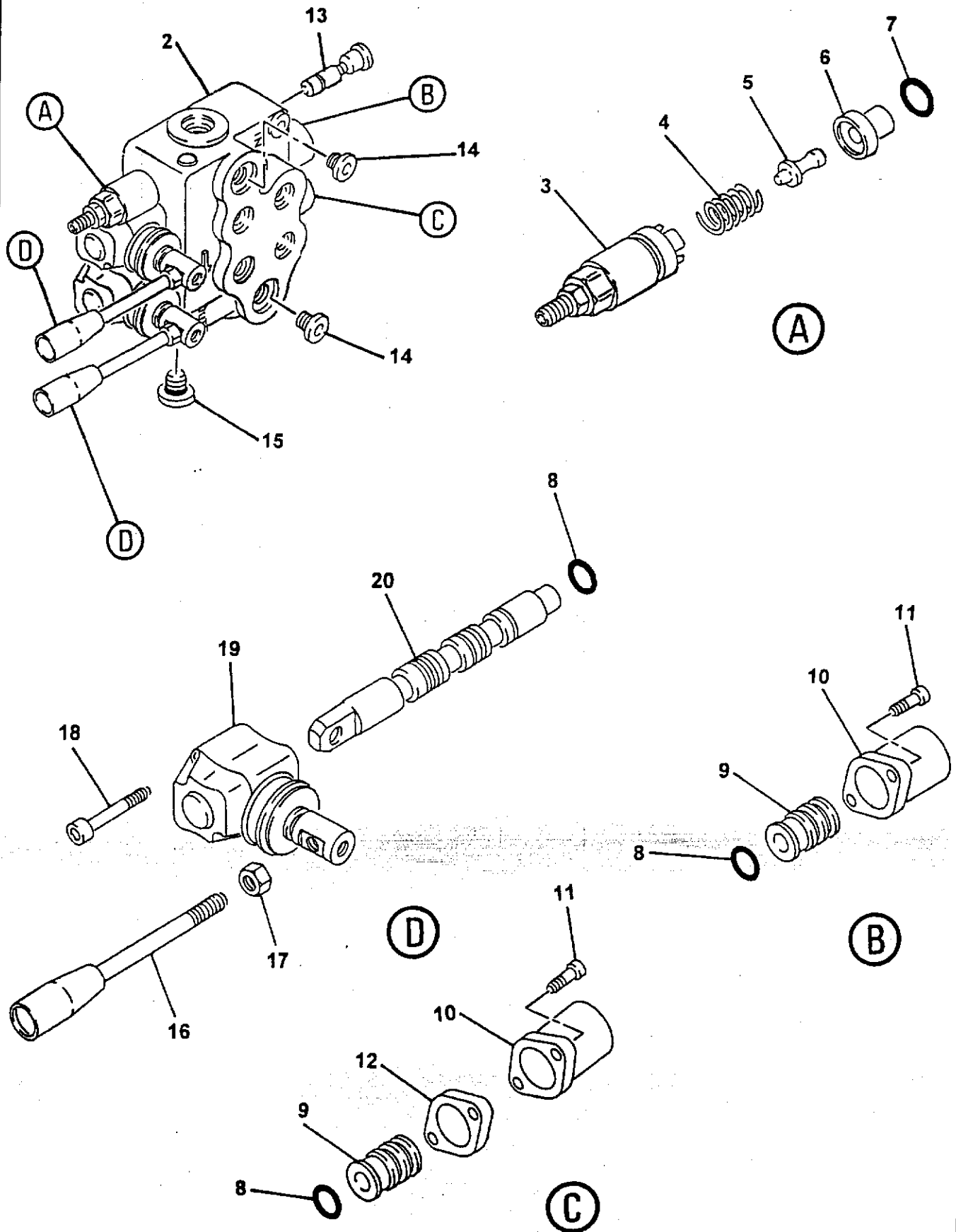
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-15	Assembly, 2 Spool Valve (See Group 80, Figure 01 for NHA)	Ref
2	74585	• Sub-Assembly, 2 Spool Valve (See Group 80, Figure 16 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Fitting, 90	1
6		• Controller, 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

REED

2 SPOOL VALVE SUB-ASSEMBLY

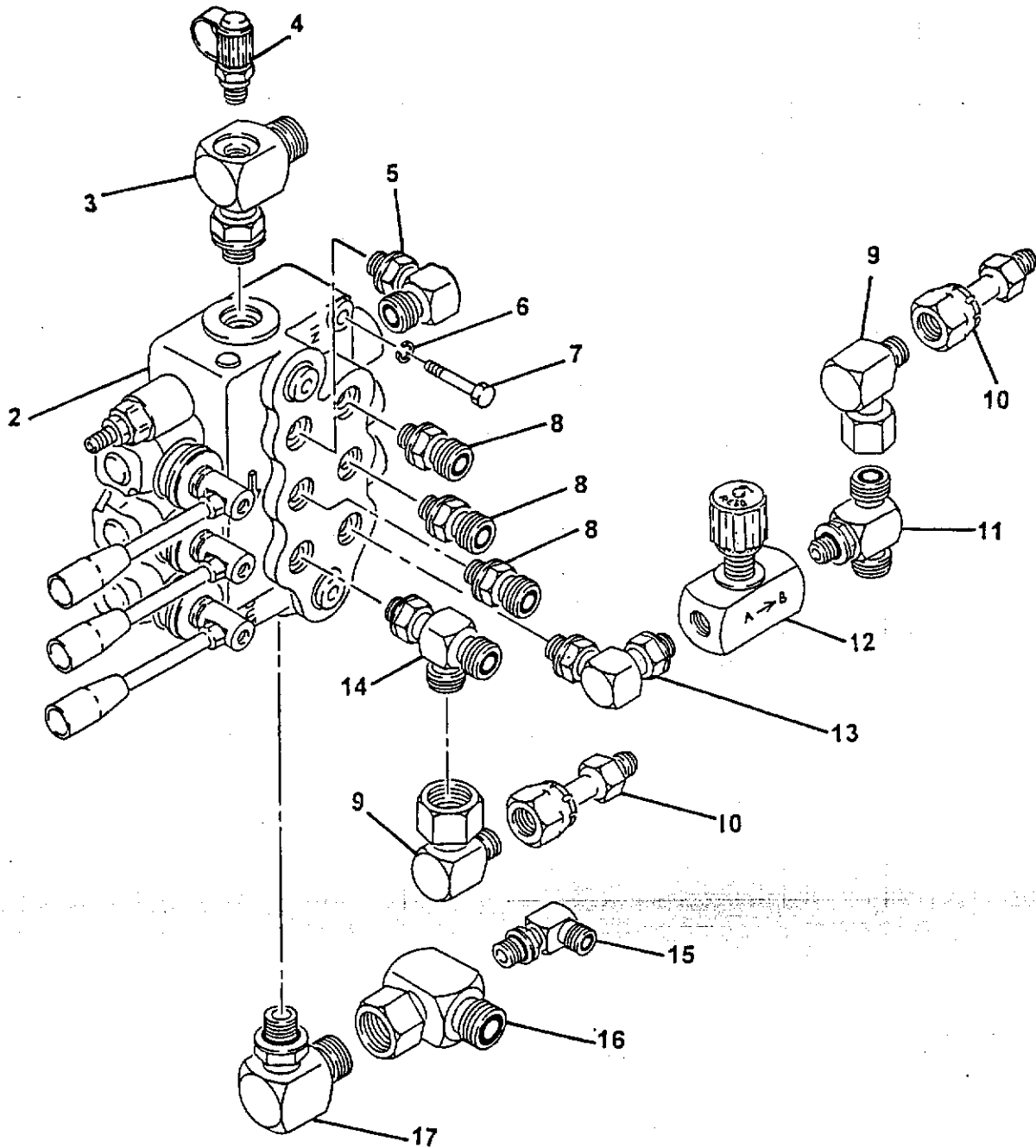
B50
PARTS
GROUP 80
FIGURE 16
PAGE 01



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





3 SPOOL VALVE ASSEMBLY

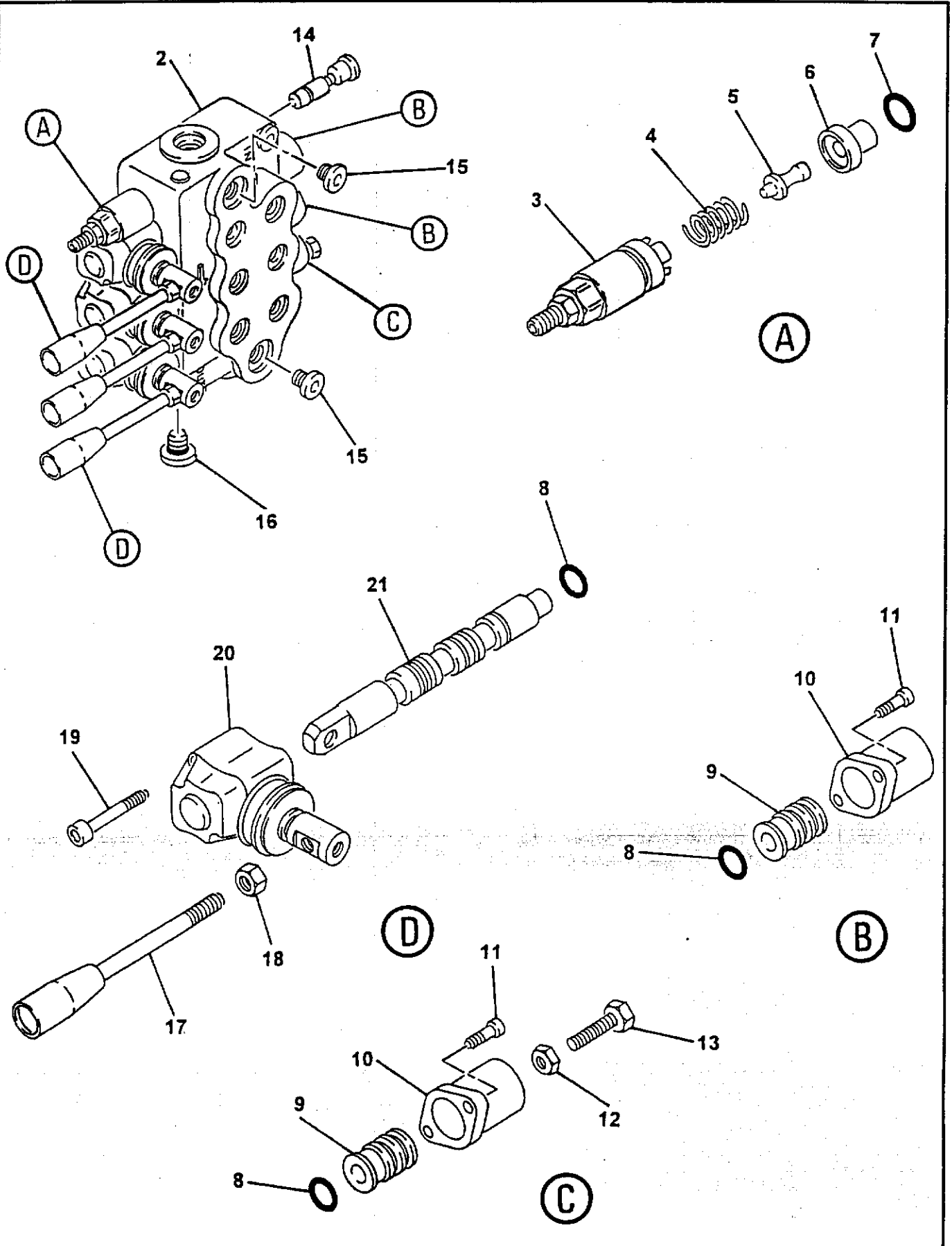
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-17	Assembly, 3 Spool Valve (See Group 80, Figure 01 for NHA)	Ref
2	74471	• Sub-Assembly, 3 Spool Valve (See Group 80, Figure 18 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Fitting, 90	1
6		• Washer, SPL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

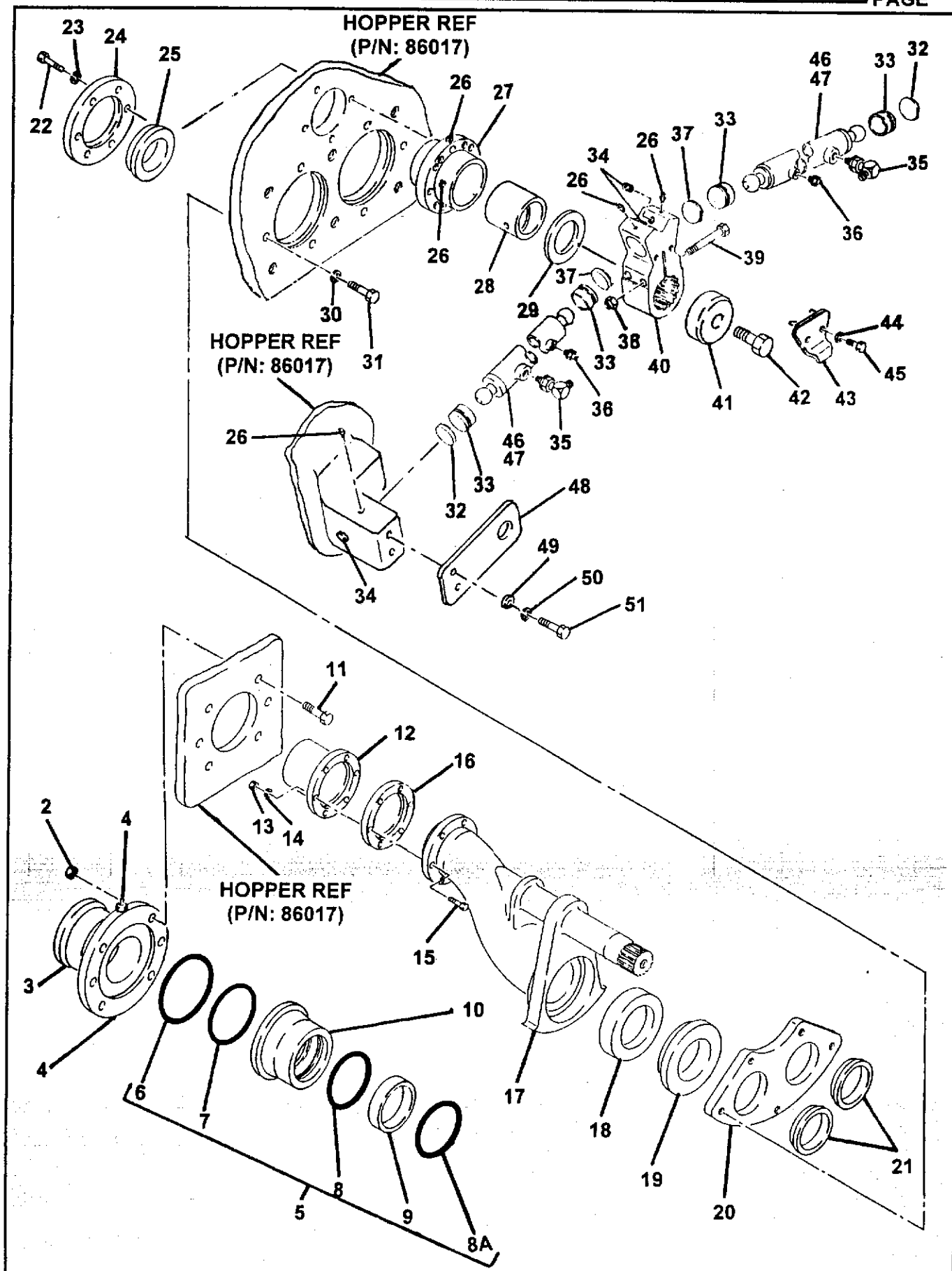
3 SPOOL VALVE SUB-ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 18
PAGE 01



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



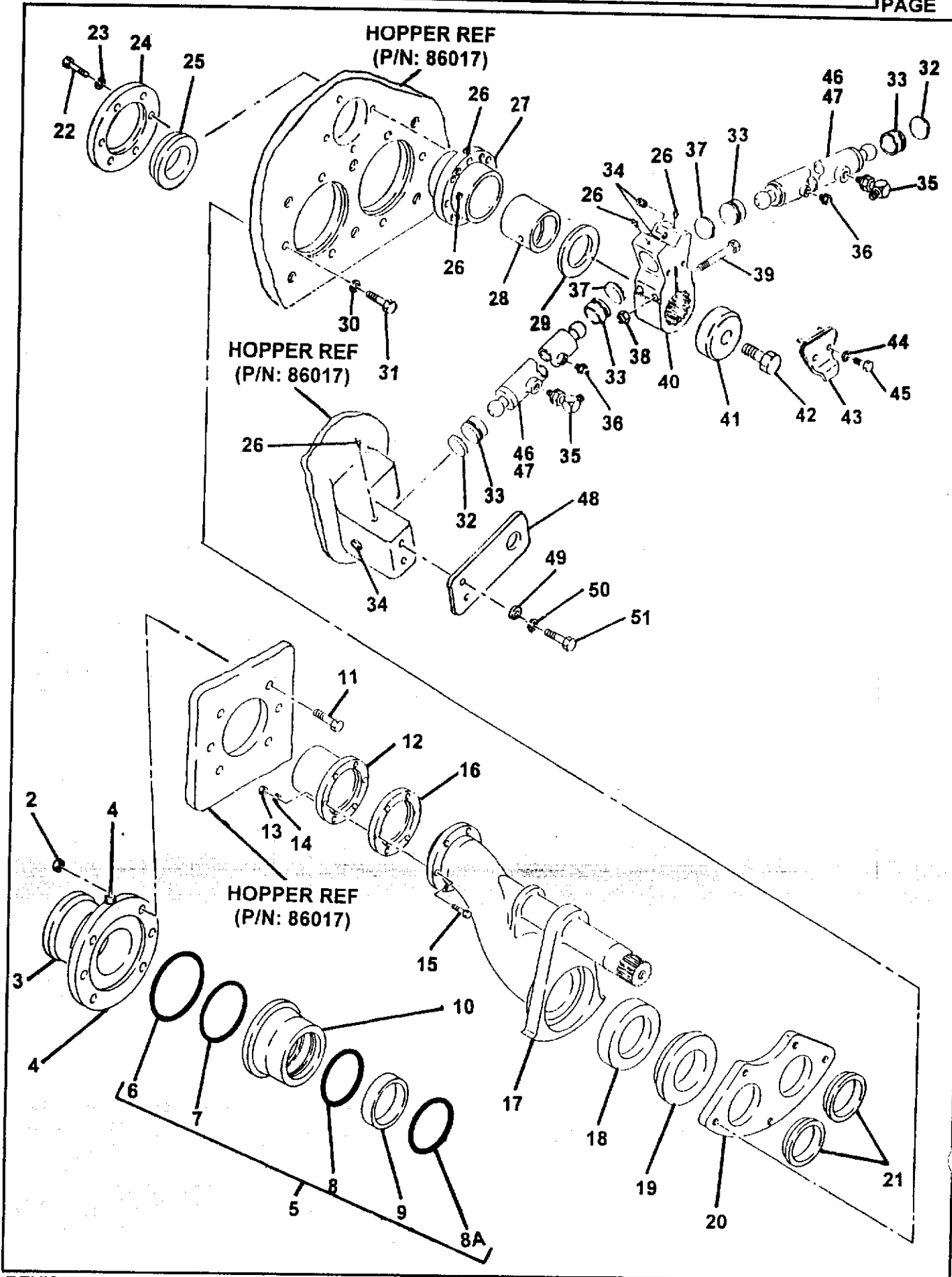
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-19	Assembly, Double Swing Valve (See Group 80, Figure 01 for NHA)					Ref
2		• Nut					6
3	72482	• Outlet, Machine 5"					1
4		• Fitting, Grease STR					2
5	79895	• Kit, Outlet Seal					1
6	77761	•• O-Ring, Large					1
7	77762	•• O-Ring, 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					A/R
17	79882	• Weldment, Harsh Mix Hopper Swing Tube					1
18	72311	• Ring, Thrust					1
19	72310	• Ring, Cutting					1
20	77852	• Plate, Wear					1
21	70047	• Ring, Anti Chip					2
22		• Bolt, Hex					4
23		• Washer, Lock					4
24	77398	• Retainer					1
25	75418	• Seal, Swing Tube					1
26		• Fitting, Grease 90					6
27	77948	• Bearing, Flange					1
28	77949	• Bushing, Bronze					1
29	75506	• Washer, Thrust					1
30		• Washer, Lock					6
31		• Bolt, Hex					6
32	75501	• Spacer					2
33	76798	• Socket, Ball					4
34		• Plug					4
35		• Fitting, 90					2
36		• Fitting, STR					2
37	75502	• Spacer					2
38		• Nut, Hex					2

DASH (-) ITEM NOT ILLUSTRATED



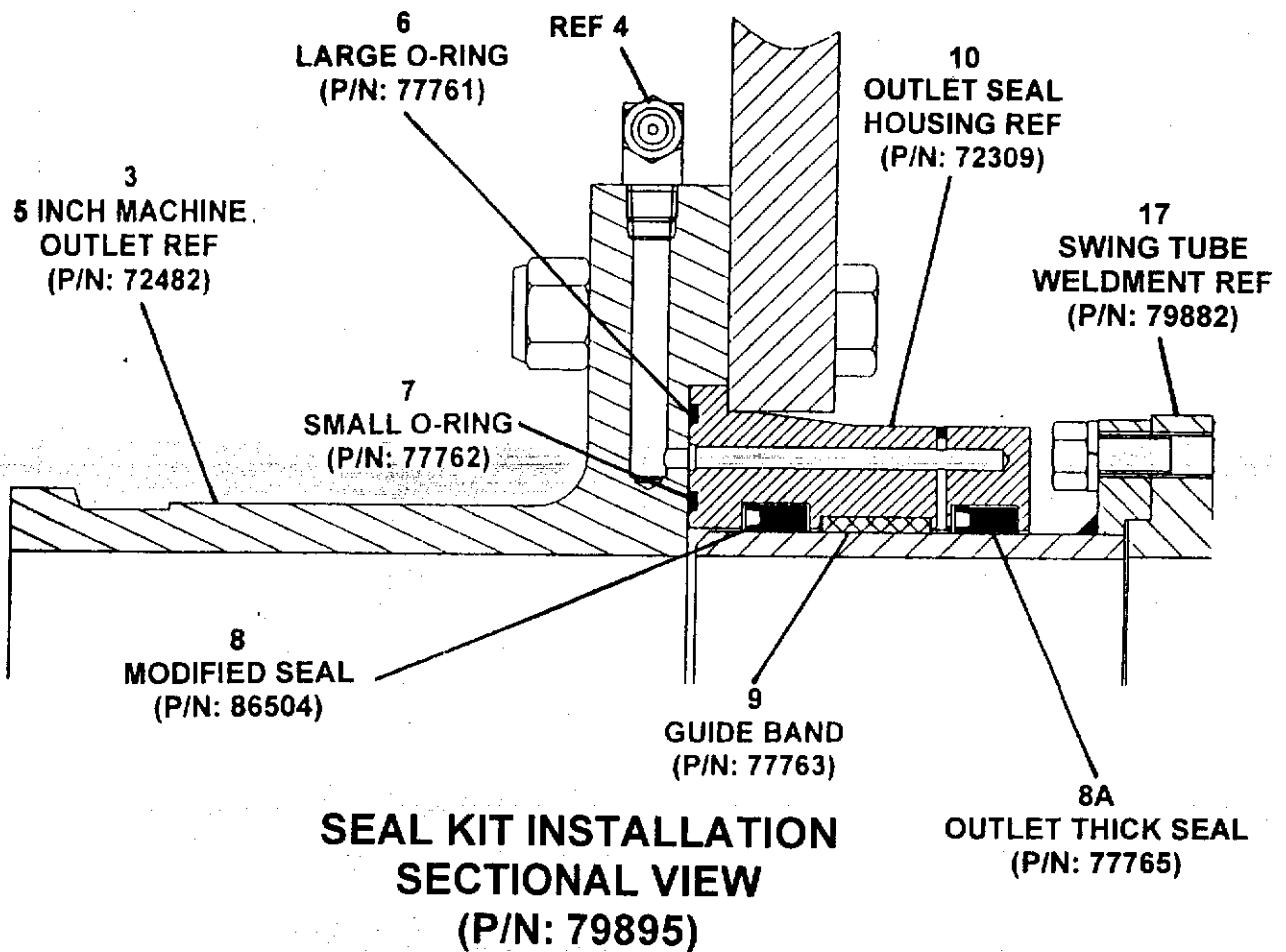
DOUBLE SWING VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 19
PAGE 02



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	1 2 3 4 5					QTY
40	78245	• Crank, Splined Bell						1
41	77076	• Washer, Retainer						1
42	78060	• Bolt, Swing Tube						1
43	85387	• Retainer, Shift Cylinder						1
44		• Washer, Lock						2
45		• Bolt, Hex						2
46	85911	• Assembly, Swing Ram Cylinder						2
47	77505	• • Sub-Assembly, Swing Ram Cylinder (See Group 60, Figure 03 for DET)						1
48	85946	• Retainer, Swing Ram						2
49		• Washer, Flat						4
50		• Washer, Lock						4
51		• Bolt, Hex						4
-52	77292	• Bumper, Hopper Grate						1
-53	79727	• Assembly, B50 Hose (See Schematic Section, Page 17 for REF)						1

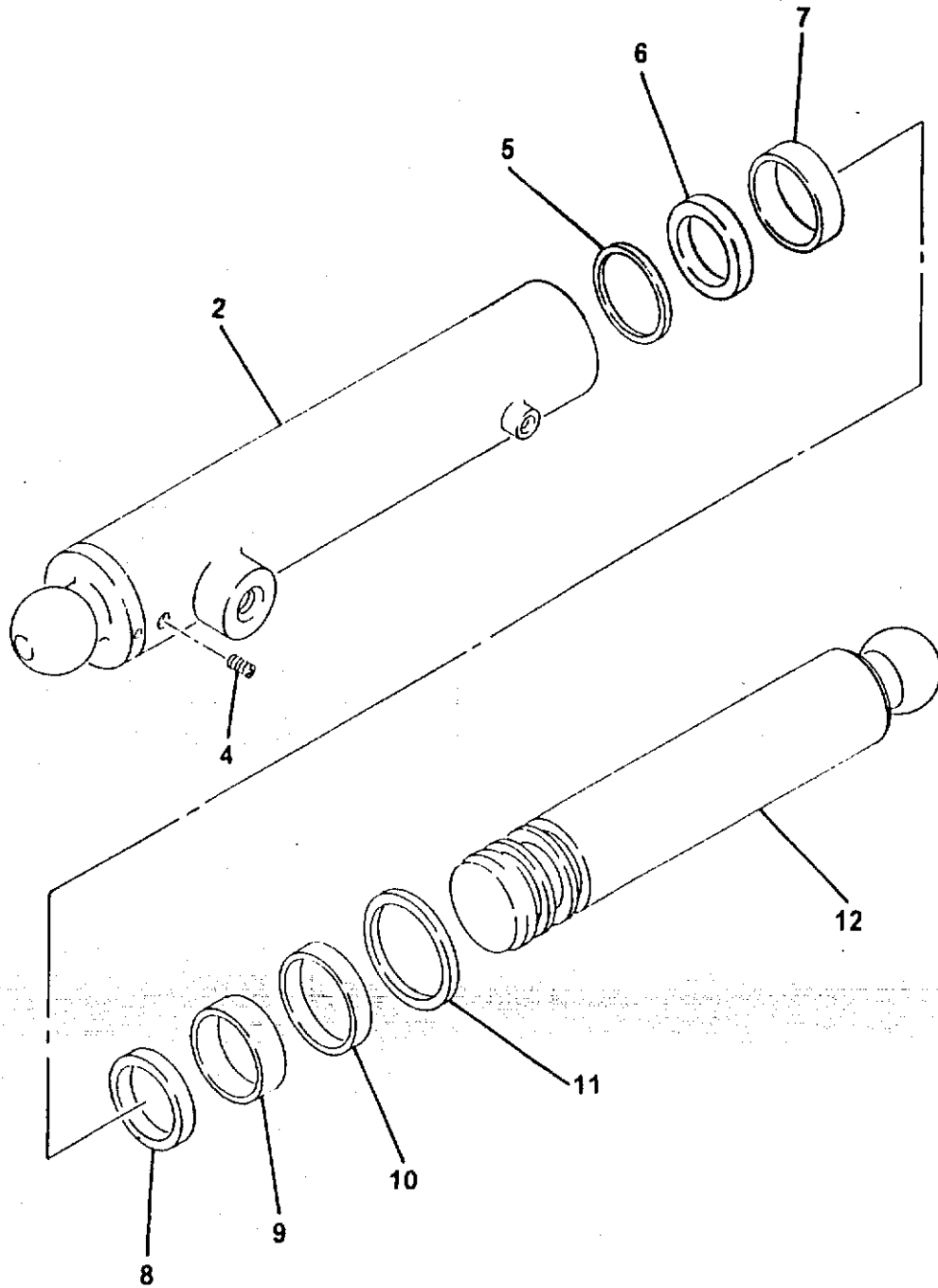
DASH (-) ITEM NOT ILLUSTRATED





DOUBLE SWING RAM CYLINDER SUB-ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 20
PAGE 01



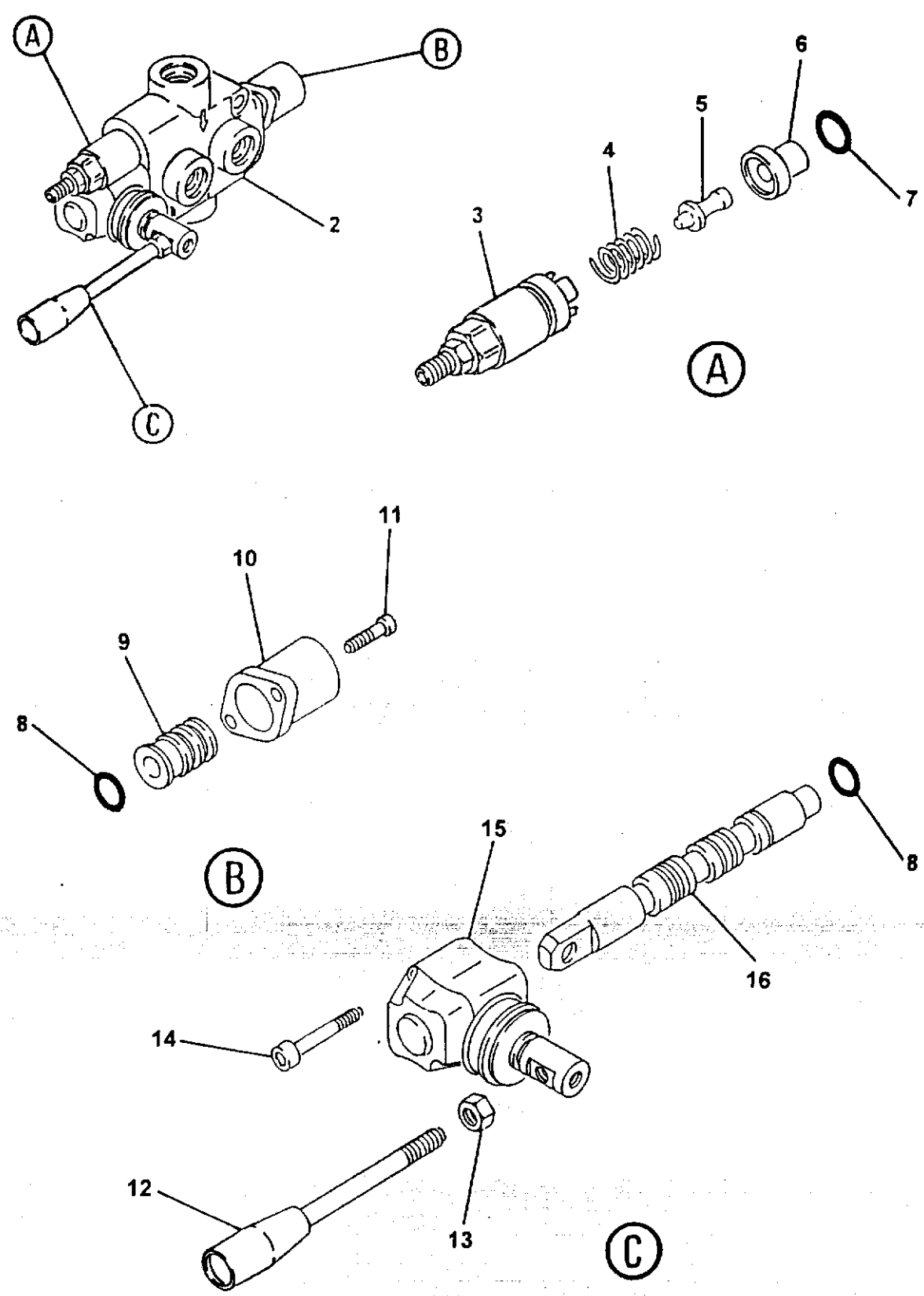
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	77505	Sub-Assembly, Double Swing Ram Cylinder (See Group 80, Figure 19 for NHA)					Ref
2		• Weldment, Cylinder					1
-3	77769	• Kit, Seal					1
4		• • Screw, Set					1
5		• • Seal, Static					1
6		• • Seal, Piston					1
7		• • Ring, Wear					1
8		• • Seal, Piston					1
9		• • Ring, Wear					
10		• • Seal, Rod					1
11		• • Wiper, Rod					1
12		• Weldment, Rod					1

DASH (-) ITEM NOT ILLUSTRATED



WATER PUMP CONTROL VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 21
PAGE 0



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

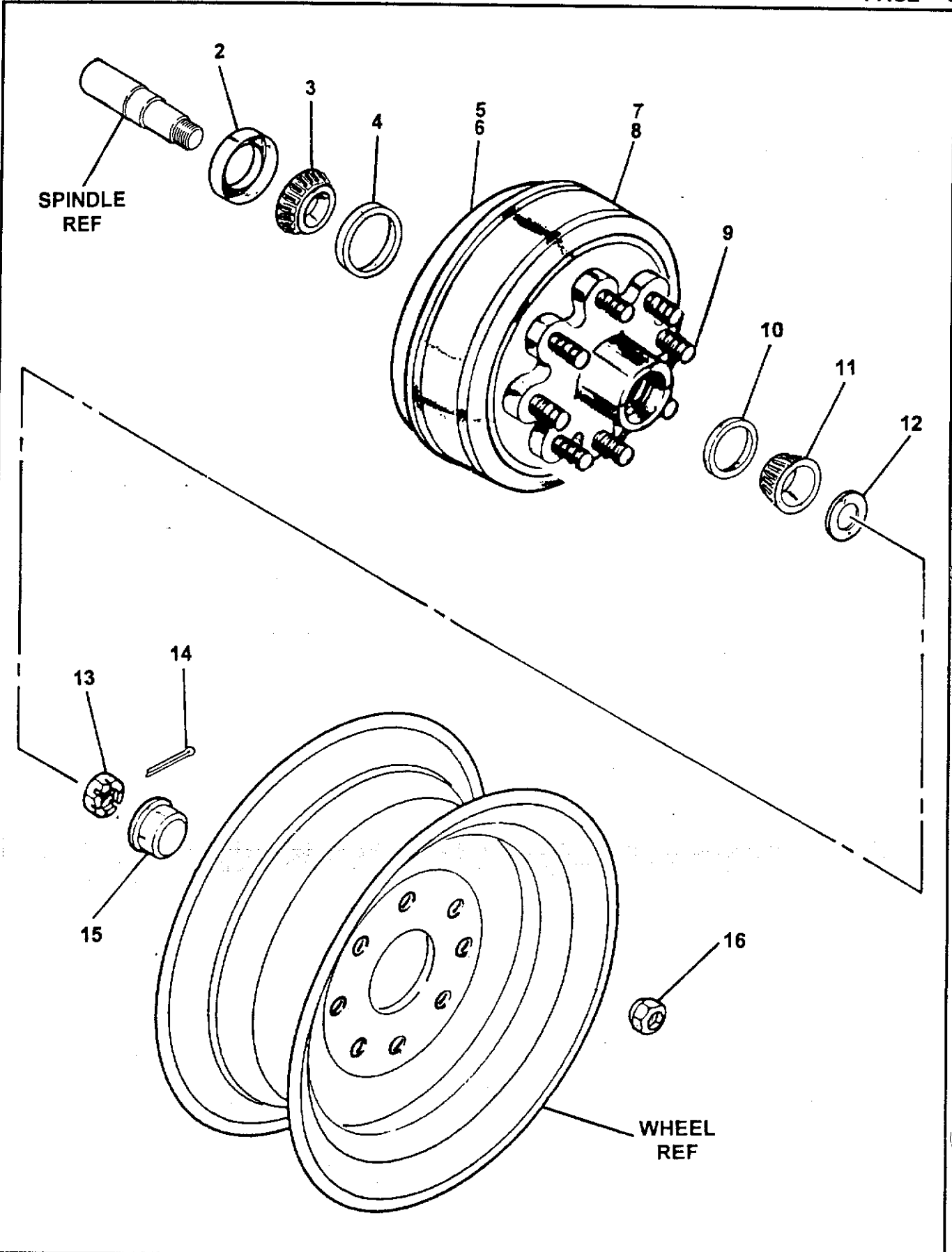
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**TRAILER MOUNTED PUMP MODEL B50
ILLUSTRATED PARTS MANUAL**

B50
PARTS
GROUP 80
FIGURE 22
PAGE 01

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HUB AND BRAKE ASSEMBLY



REED**HUB AND BRAKE ASSEMBLY****B50**
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 <i>25280</i>					1
4	71092	• Cup, Inner Bearing <i>25280</i>					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	73244	• Assembly, Hub and Drum					2
8		• Bolt, Wheel					68
9	71098	• Cup, Outer Bearing <i>14274 on 14276 216</i>					1
10	71098 71098	• Bearing, Outer <i>14125A</i>					1
11		• Washer, Spindle					1
12		• Nut, Spindle					1
13		• Pin, Cotter					1
14	71096	• Cap, Dust					1
15		• Nut, Wheel					68

DASH (-) ITEM NOT ILLUSTRATED

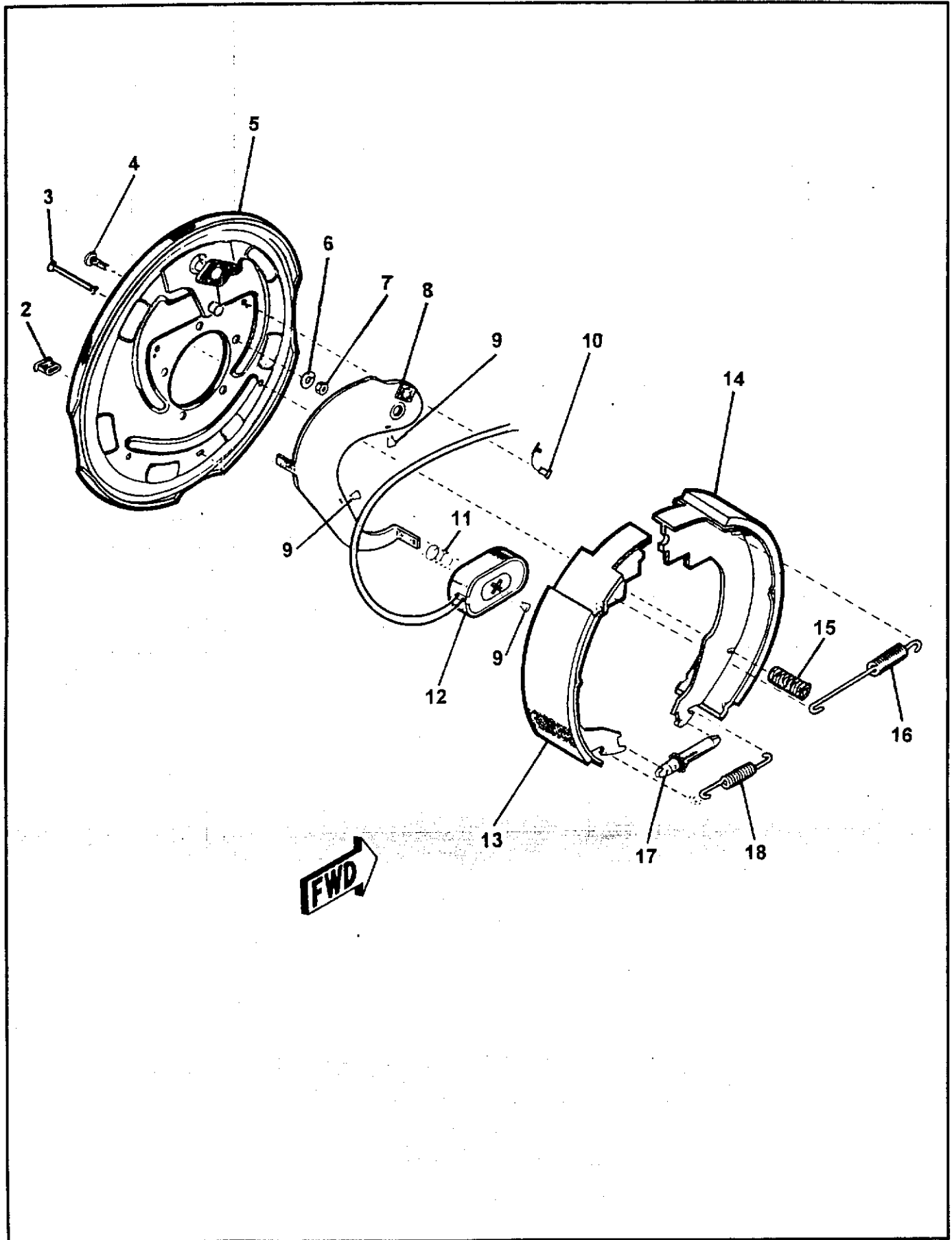
16 86715? NUT

REVISION:



NON OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B50
PARTS
GROUP 70
FIGURE 03
PAGE 01



REED**NON OPERATOR SIDE
ELECTRIC BRAKE ASSEMBLY****B50
PARTS
GROUP 70
FIGURE 03
PAGE 02**

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

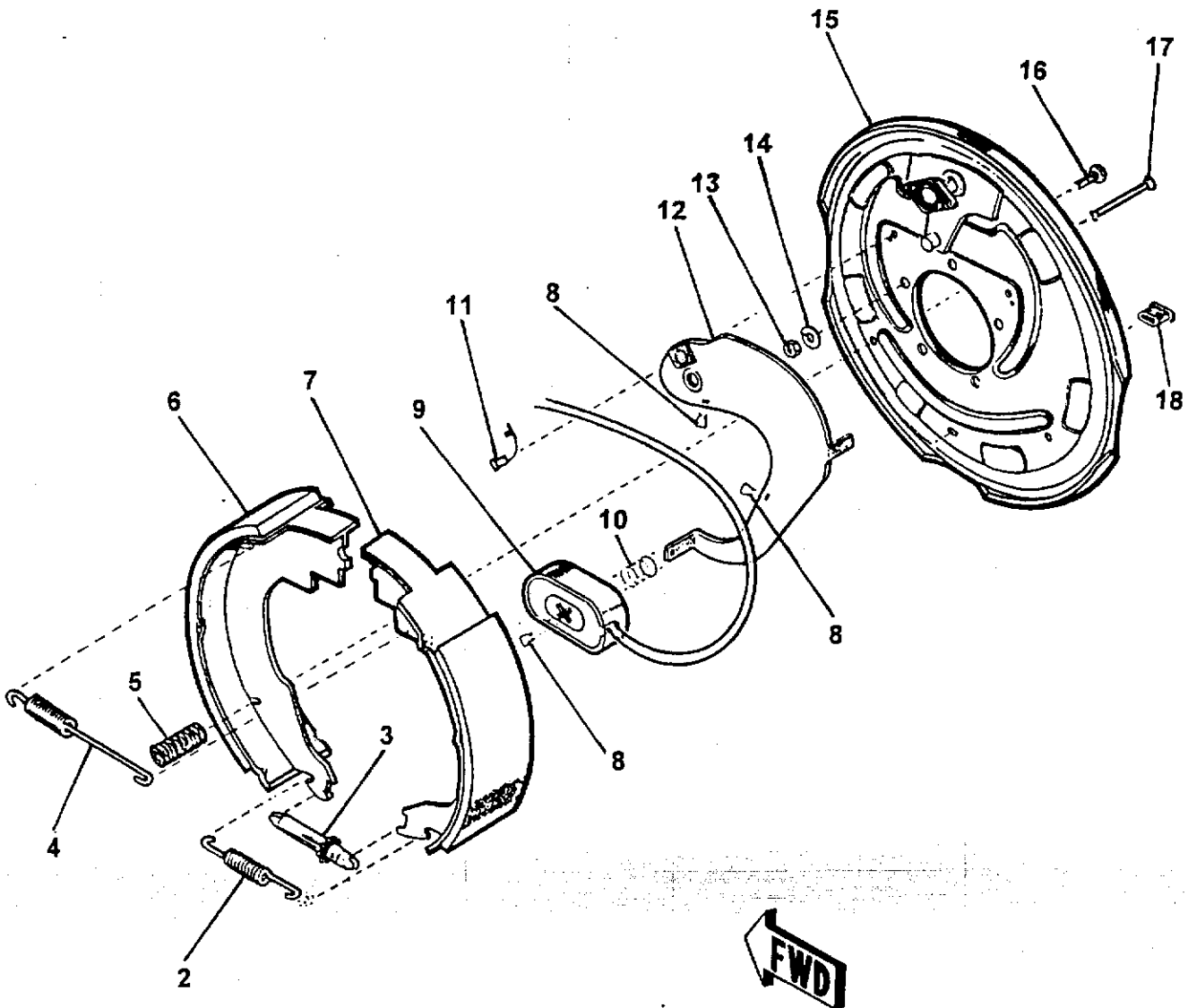
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B50
PARTS
GROUP 70
FIGURE 04
PAGE 01





OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B50
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

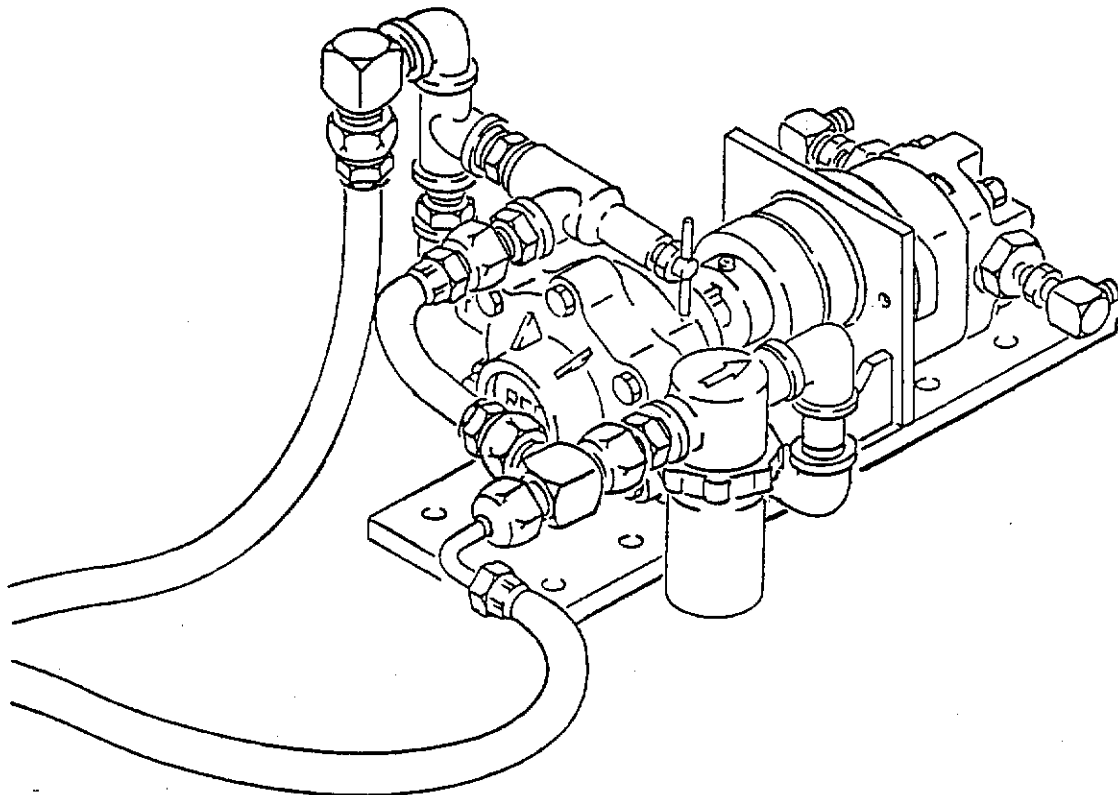
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**TRAILER MOUNTED PUMP MODEL B50
ILLUSTRATED PARTS MANUAL**

B50
PARTS
GROUP 70
FIGURE 05
PAGE 01

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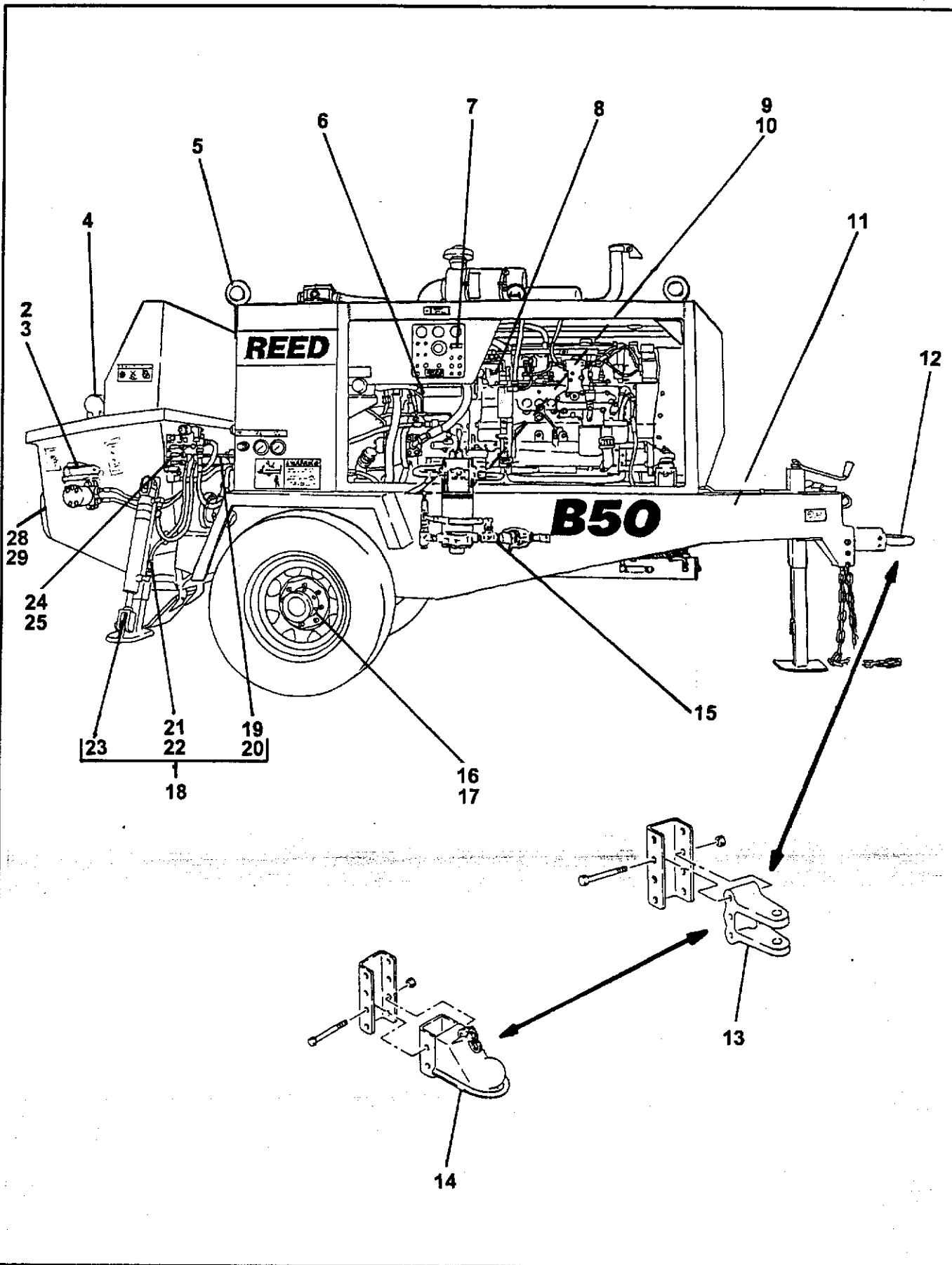
**REED TRAILER MOUNTED CONCRETE PUMP MODEL B50 ILLUSTRATED PARTS
MANUAL GROUP 80 OPTIONAL INSTALLATION CONTAINS THE FOLLOWING
FIGURES:**

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 10	WASH WATER PUMP ASSEMBLY
FIGURE 11	WASH PUMP MOTOR ASSEMBLY
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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
FIGURE 19	DOUBLE SWING VALVE ASSEMBLY
FIGURE 20	DOUBLE SWING RAM CYLINDER SUB-ASSEMBLY
FIGURE 21	WATER PUMP CONTROL VALVE ASSEMBLY

REED

OPTIONAL INSTALLATION

B50
PARTS
GROUP 80
FIGURE 01
PAGE 01



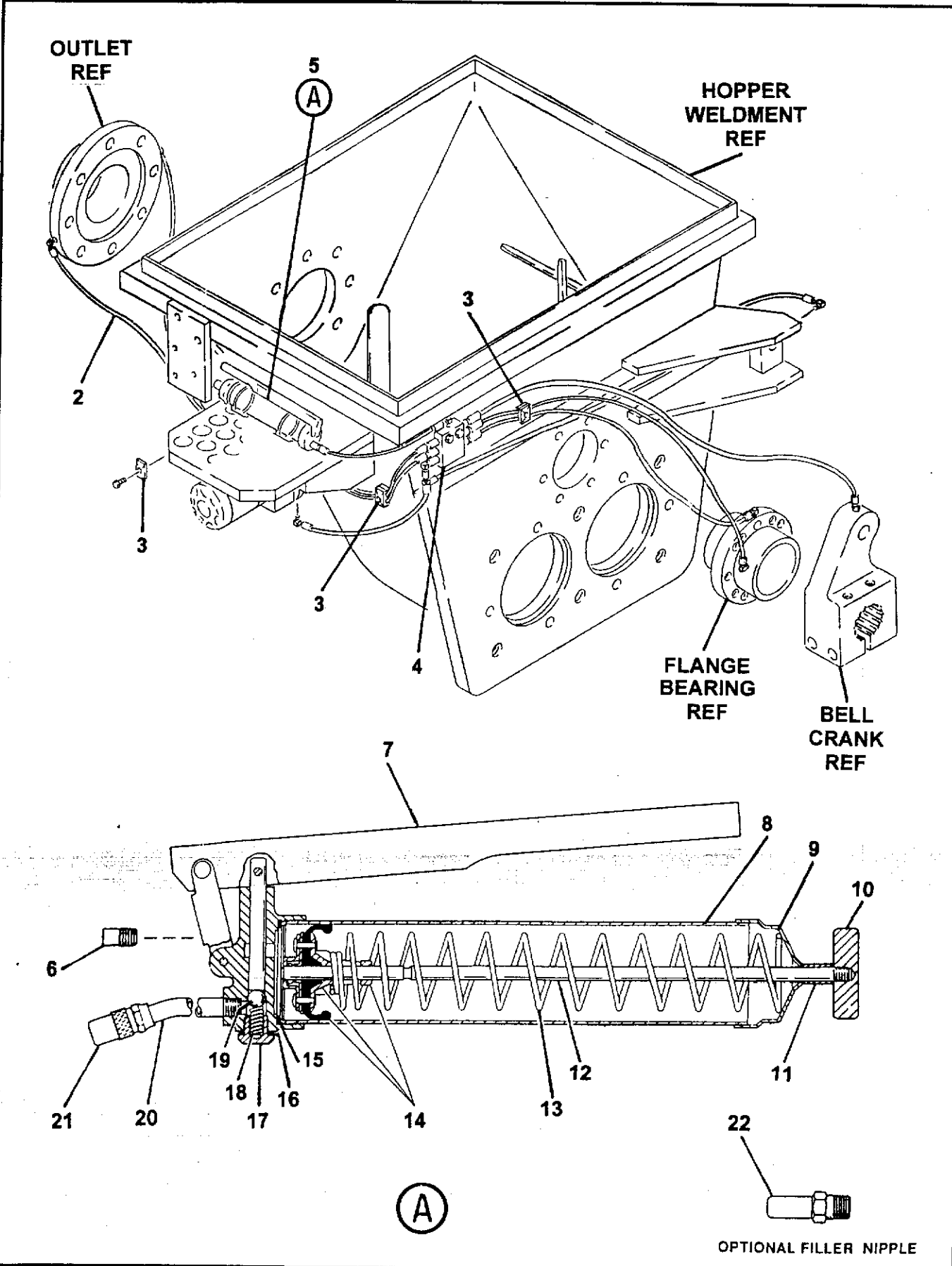
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	1 2 3 4 5					QTY
-1	80-01	Installation, Optional (See Group 10, Figure 01 and Figure 02 for NHA)						Ref
2	80-02	• Assembly, Lube System (See Group 80, Figure 02 for DET)						1
3	78736	• Assembly, Lube Pump (See Group 80, Figure 03 for DET)						1
4	71429	• Assembly, Hopper Vibration (See Group 80, Figure 04 for DET)						1
5	85810	• Assembly, Optional Lifting						1
6	85818	• Assembly, Radio Remote Control (See Group 50, Figure 05 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
-26	85943	• Assembly, Side Door						1
-27	85960	• Assembly, Remote Control Stroke Counter						1
28	86027	• Weldment, Double Swing Ram Cylinder Harsh Mix Hopper						1
29	80-19	• Assembly, Double Swing Valve (See Group 80, Figure 19 for DET)						1

DASH (-) ITEM NOT ILLUSTRATED



LUBE SYSTEM ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 02
PAGE 02



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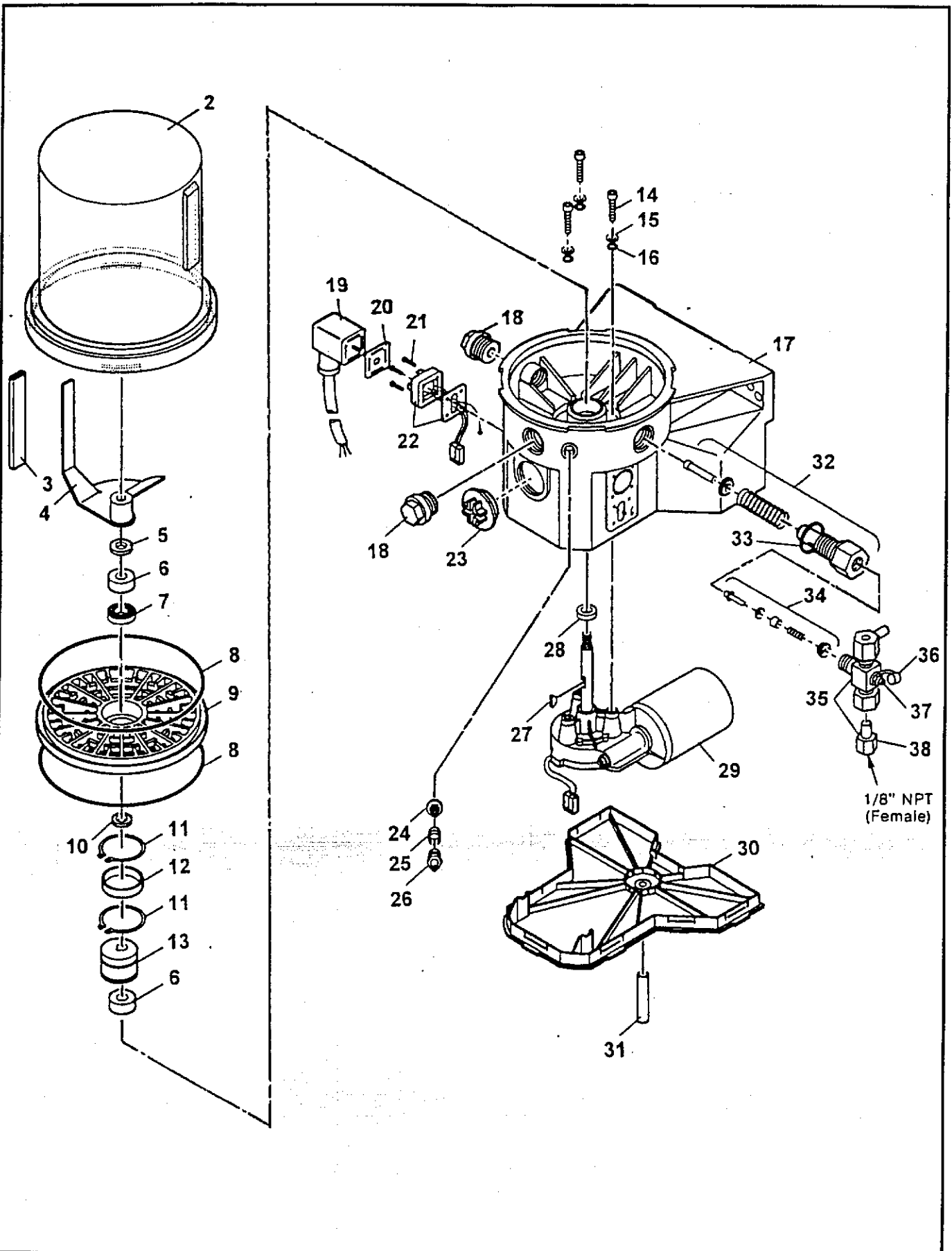
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-02	Assembly, Lube System (See Group 80, Figure 01 for NHA)					Ref
2		• Assembly, Lube Hose					A/R
3	75436	• Clamp, Pipe					3
4	72355	• Block, 6 Station Lube System					1
5	78532	• Gun, Grease					1
6		• • Plug					1
7		• • Handle, Pumping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

DASH (-) ITEM NOT ILLUSTRATED

REED

LUBE PUMP ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 03
PAGE 01



REVISION:

REED**LUBE PUMP ASSEMBLY**

B50
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 Reliefs					1
36		• Cap, Grease					1
37		• Fitting, Grease					1
38		• Assembly, Adapter for Relief					1

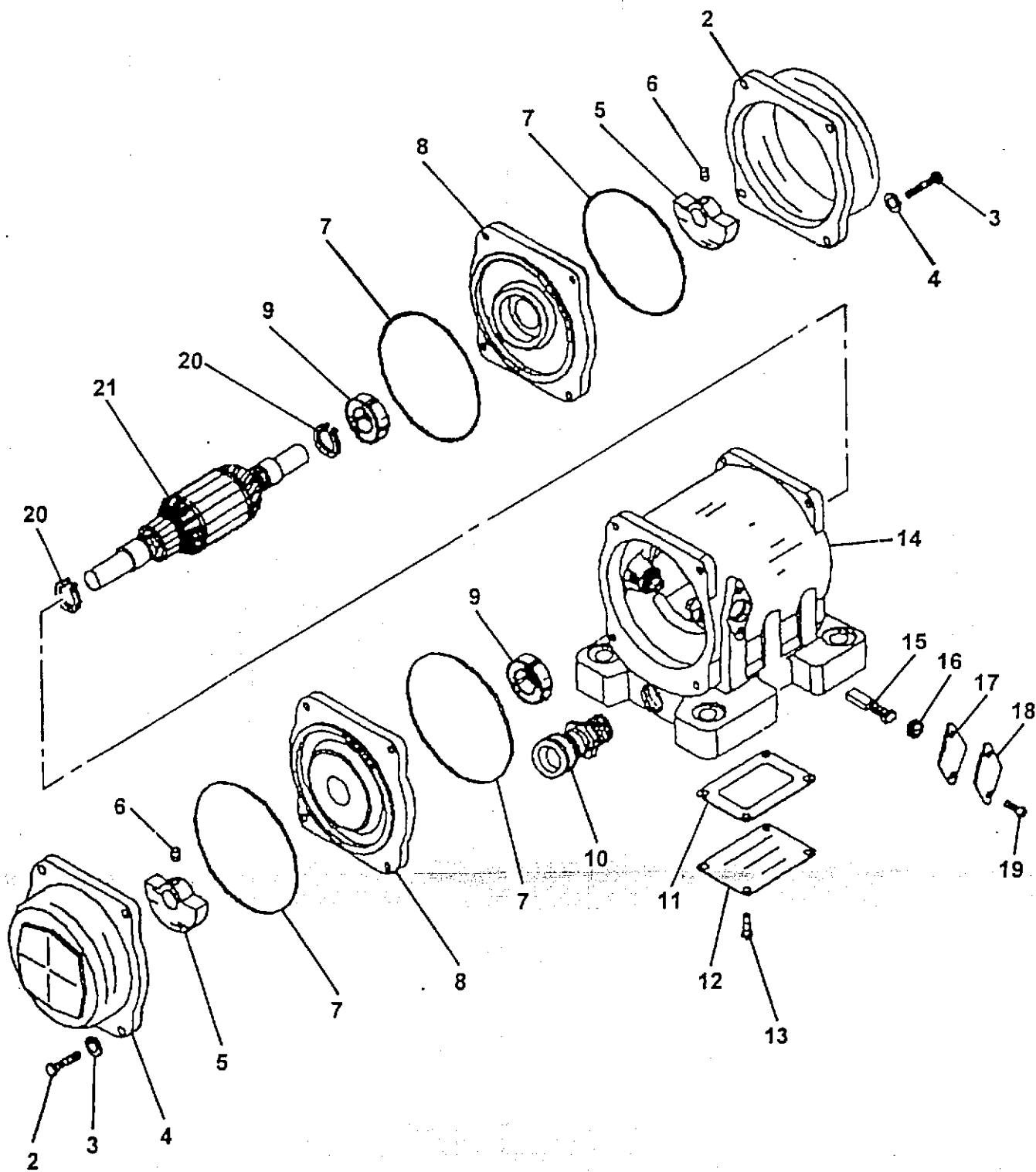
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

HOPPER VIBRATOR ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 04
PAGE 01



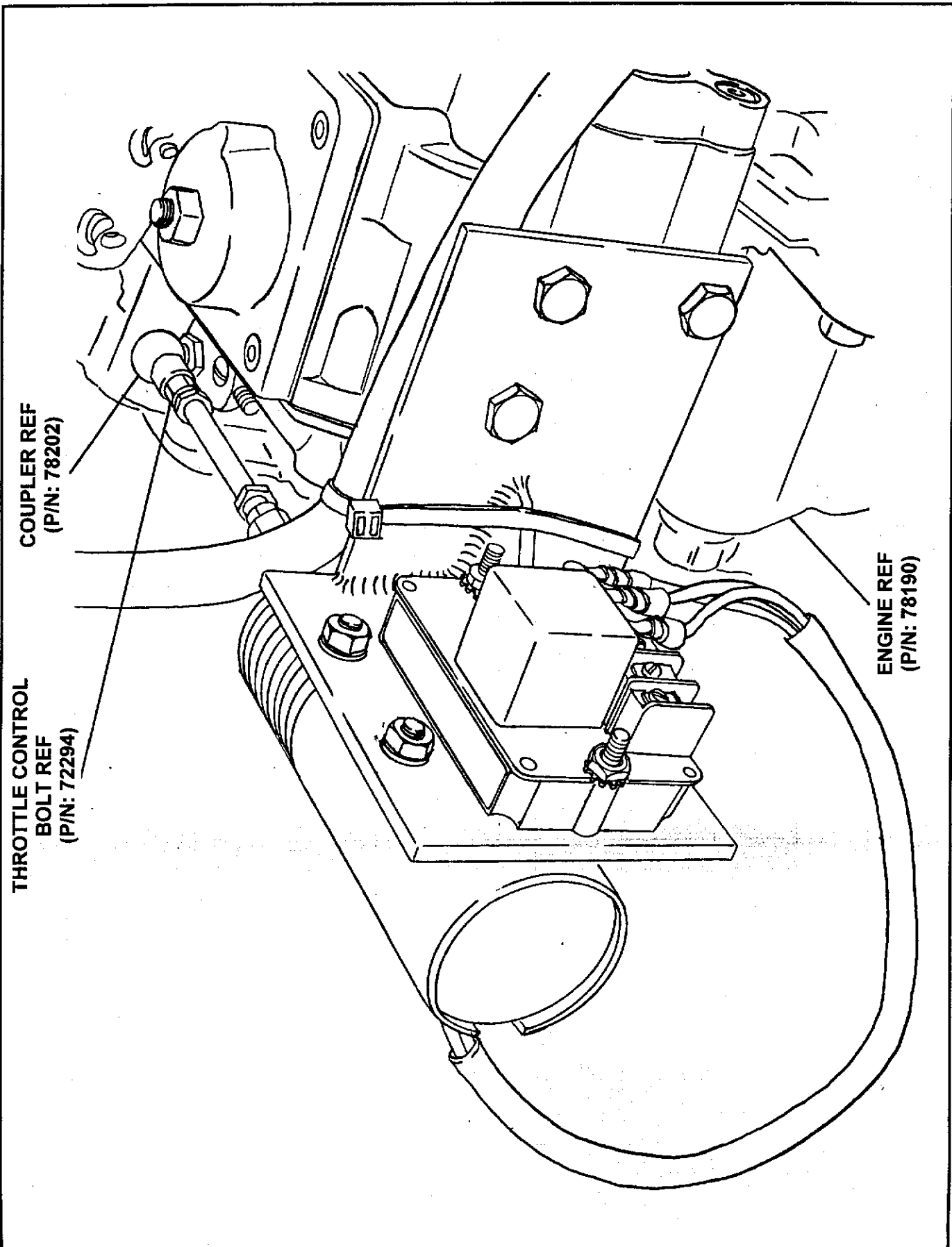
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	71429	Assembly, Hopper Vibrator (See Group 80, Figure 01 for NHA)					Ref
2		• Cap, End					2
3		• Bolt (attaching parts)					8
4		• Washer, Lock (attaching parts)					8
5		• Weight					2
6		• Screw, Set (attaching parts)					2
7		• O-Ring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

B50
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

B50
PARTS
GROUP 80
FIGURE 05
PAGE 02

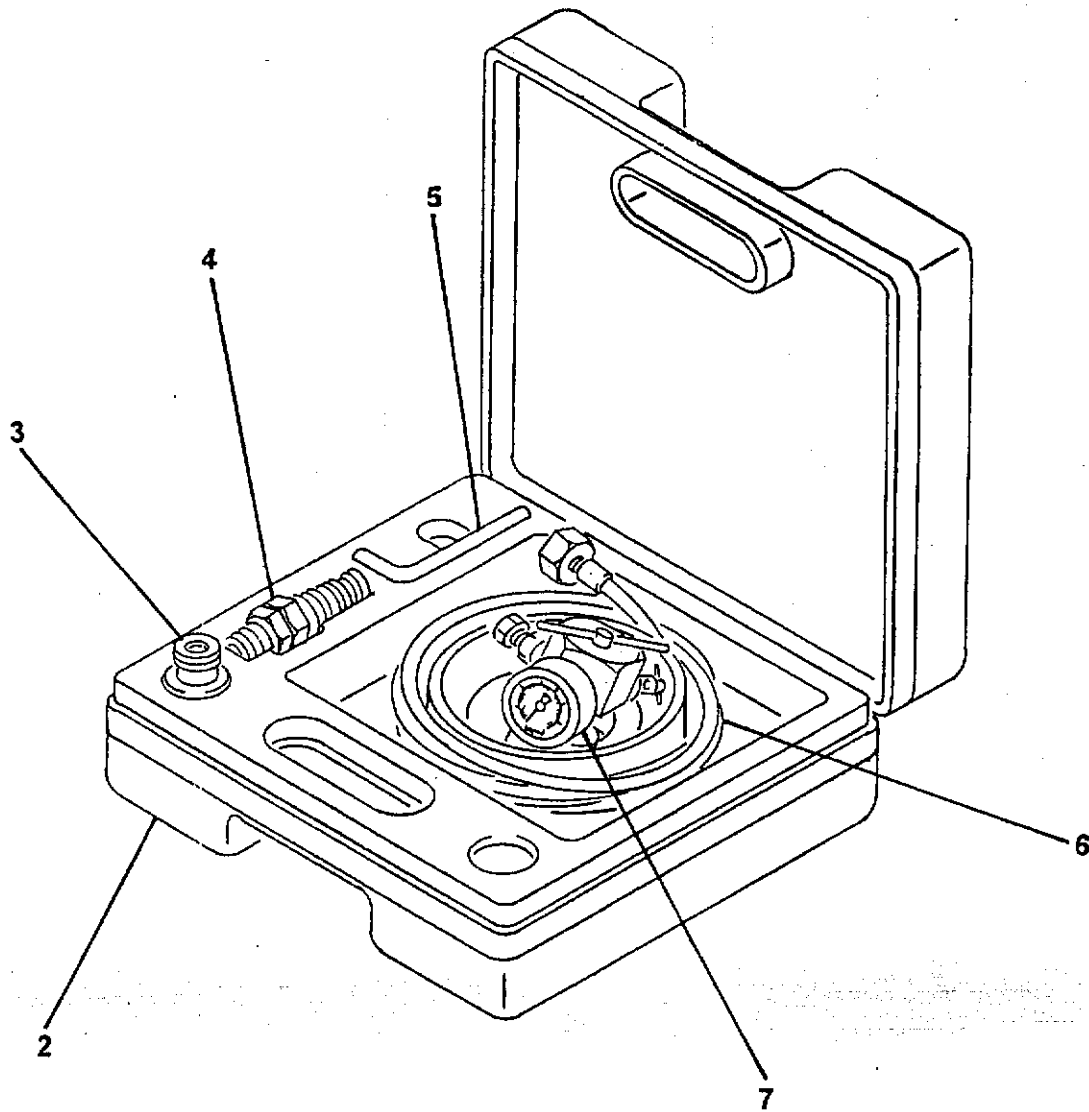
THIS GROUP 80, FIGURE 05, PARTS NUMBER 77012,
THROTTLE SOLENOID ASSEMBLY,
DETAIL PARTS LIST IS NOT AVAILABLE THIS REVISION.

REVISION:

REED

ACCUMULATOR CHARGE KIT

B50
PARTS
GROUP 80
FIGURE 00
PAGE 00



REED**ACCUMULATOR CHARGE KIT****B50**
PARTS
GROUP 80
FIGURE 06
PAGE 02

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

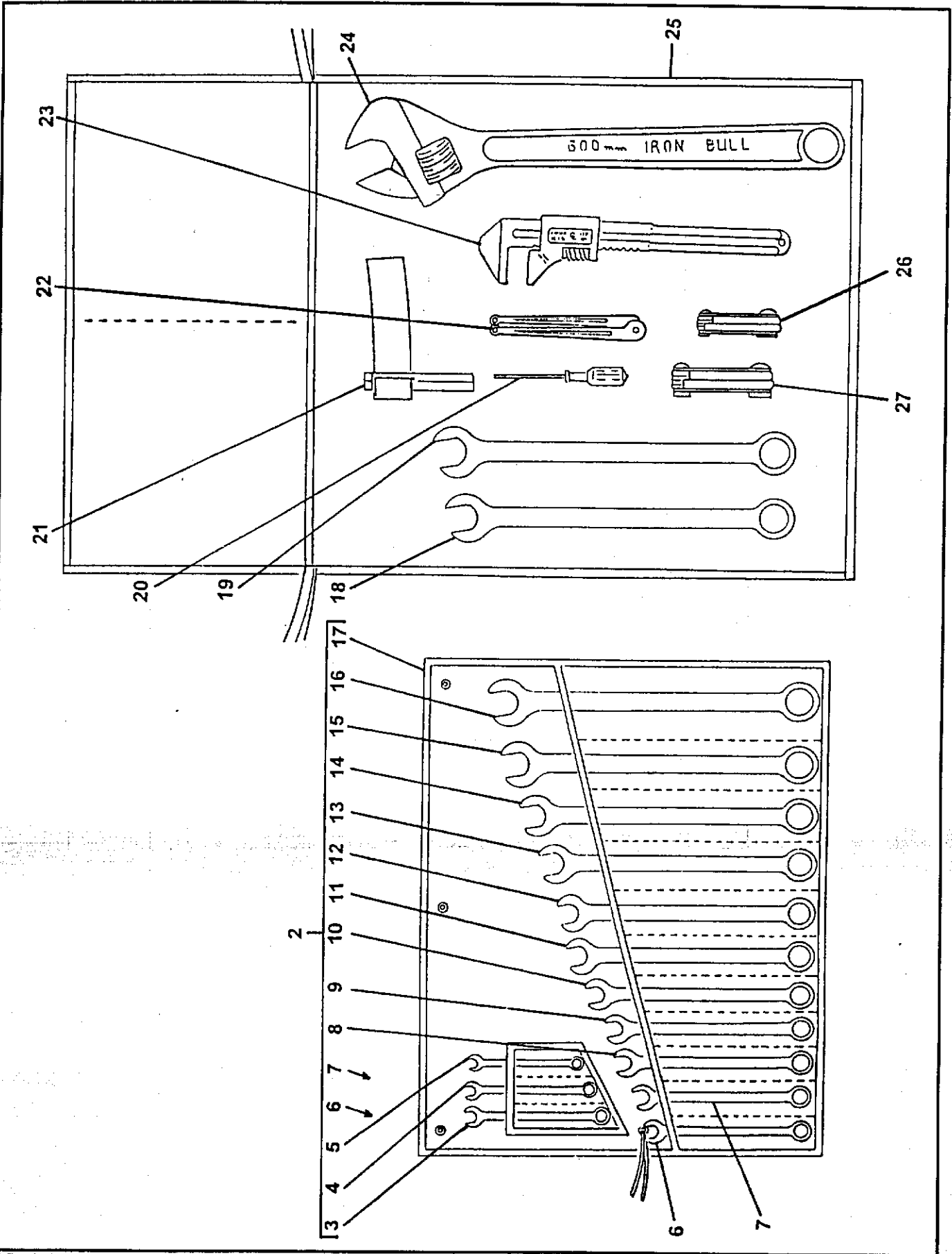
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

OPTIONAL TOOL KIT

B50
PARTS
GROUP 80
FIGURE 07
PAGE 0



REVISION:

REED**OPTIONAL TOOL KIT****B50**
PARTS
GROUP 80
FIGURE 07
PAGE 02

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

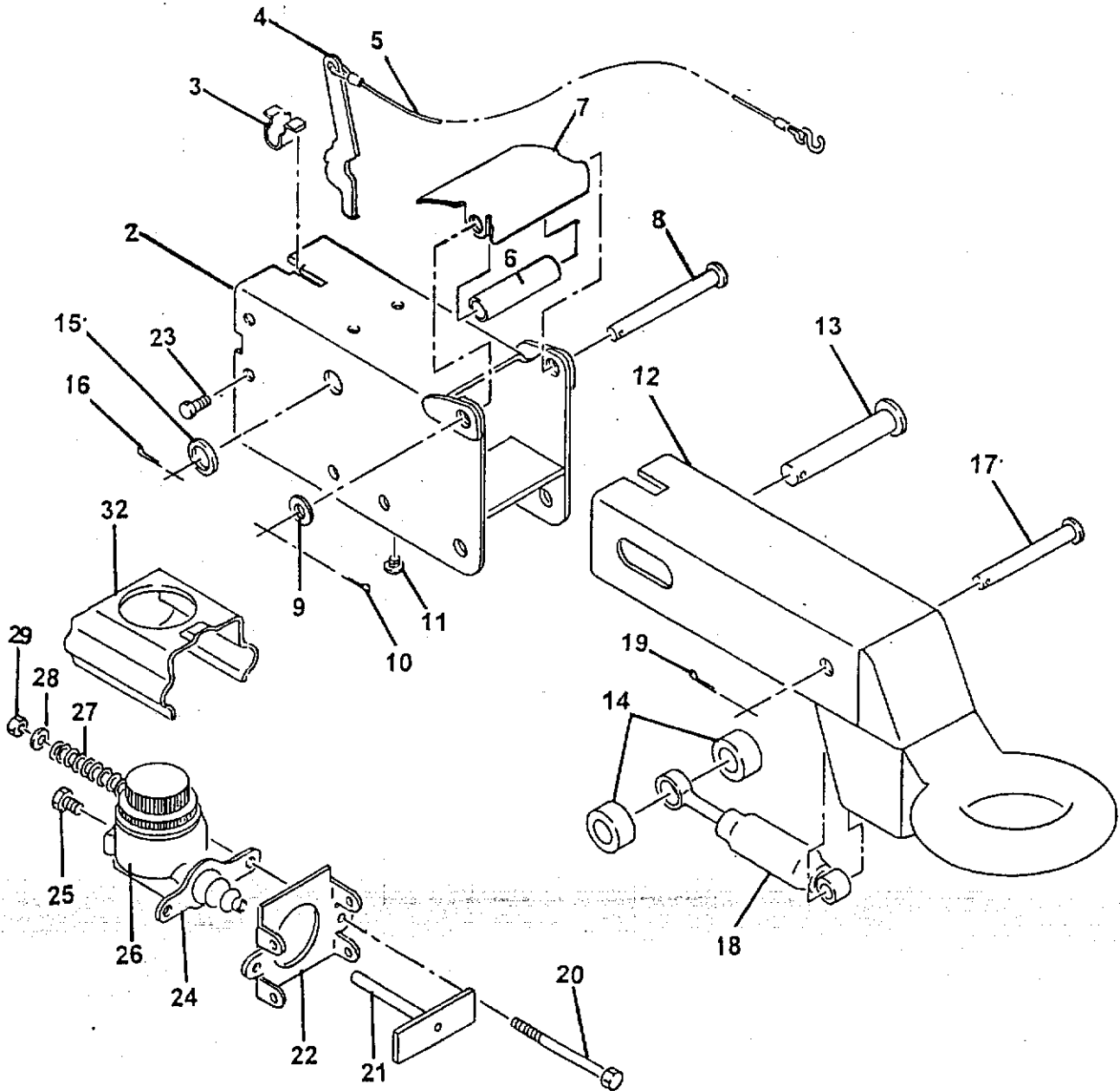
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

ACTUATOR BRAKES ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 08
PAGE 01





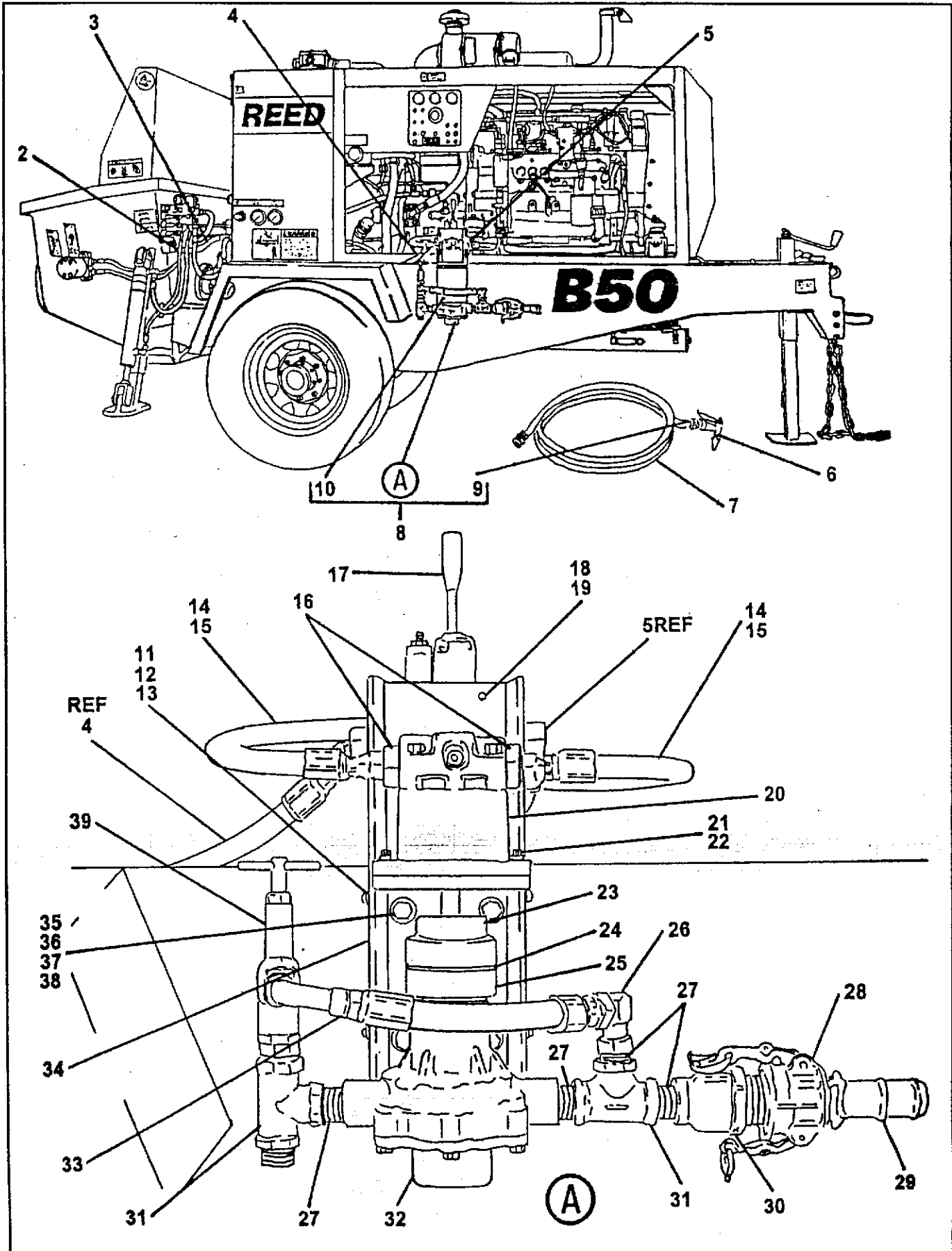
ACTUATOR BRAKES ASSEMBLY

01 B50
PARTS
GROUP 80
FIGURE 08
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85807	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
-30	71025	Surge Brake Actuator, 6000 LB	1
-31	71052	Hydraulic Brake Kit, 12IN x 2	1
-33	71026	Brake Line Kit. (USE WITH 71052)	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



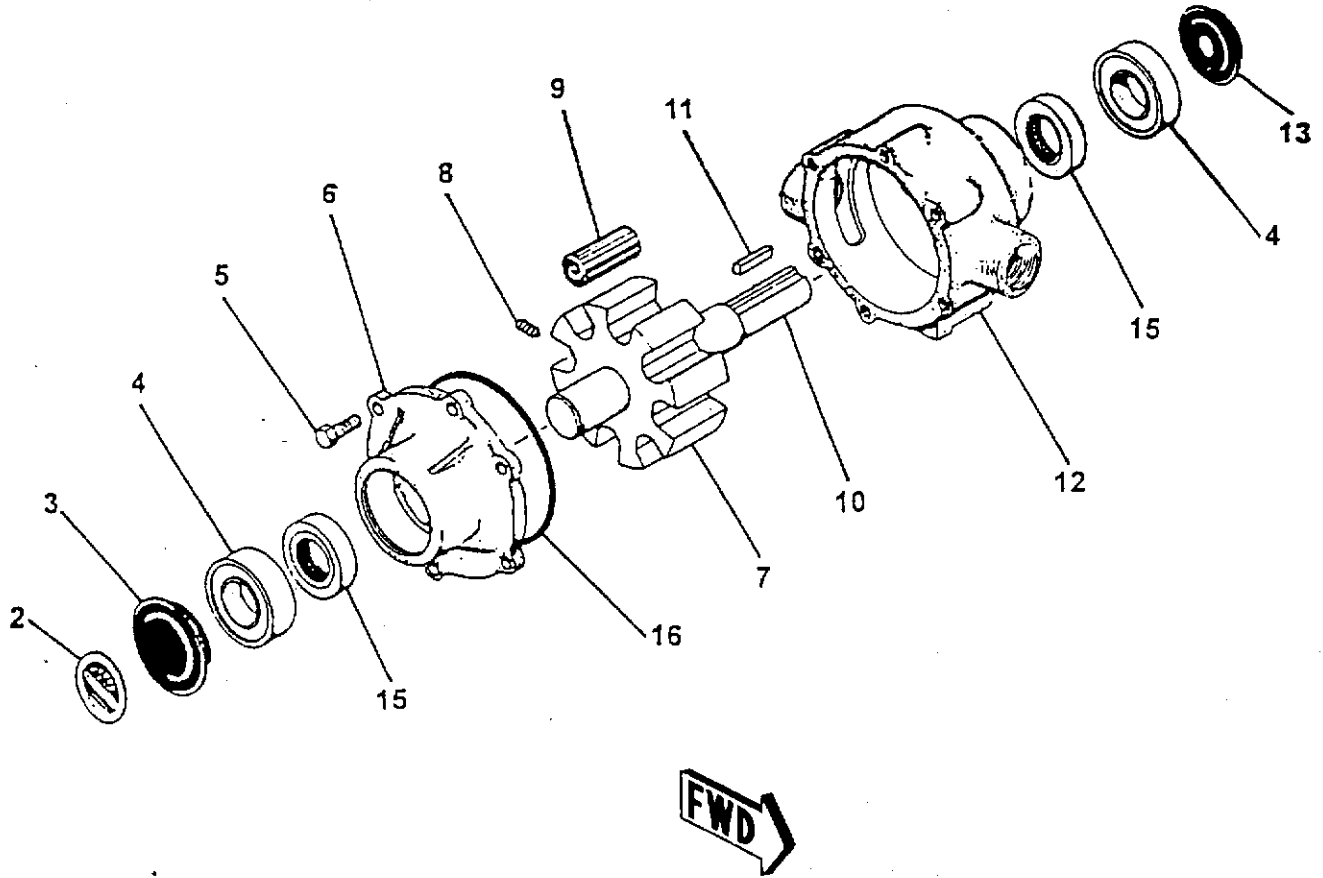
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
-1	86400	Assembly, Water Pump (See Group 80, Figure 01 for NHA)	Ref
2	86384	• Sleeve, Power Beyond	1
3		• Assembly, Hose	1
4		• Assembly, Hose	1
5		• Assembly, Hose	1
6	800098	• Nozzle, Garden Hose	1
7	86267	• Hose, Garden 20 FT	1
8	86200	• Kit, Wash Pump	1
9	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 21 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

REED

WATER PUMP ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 10
PAGE 0



REVISION:

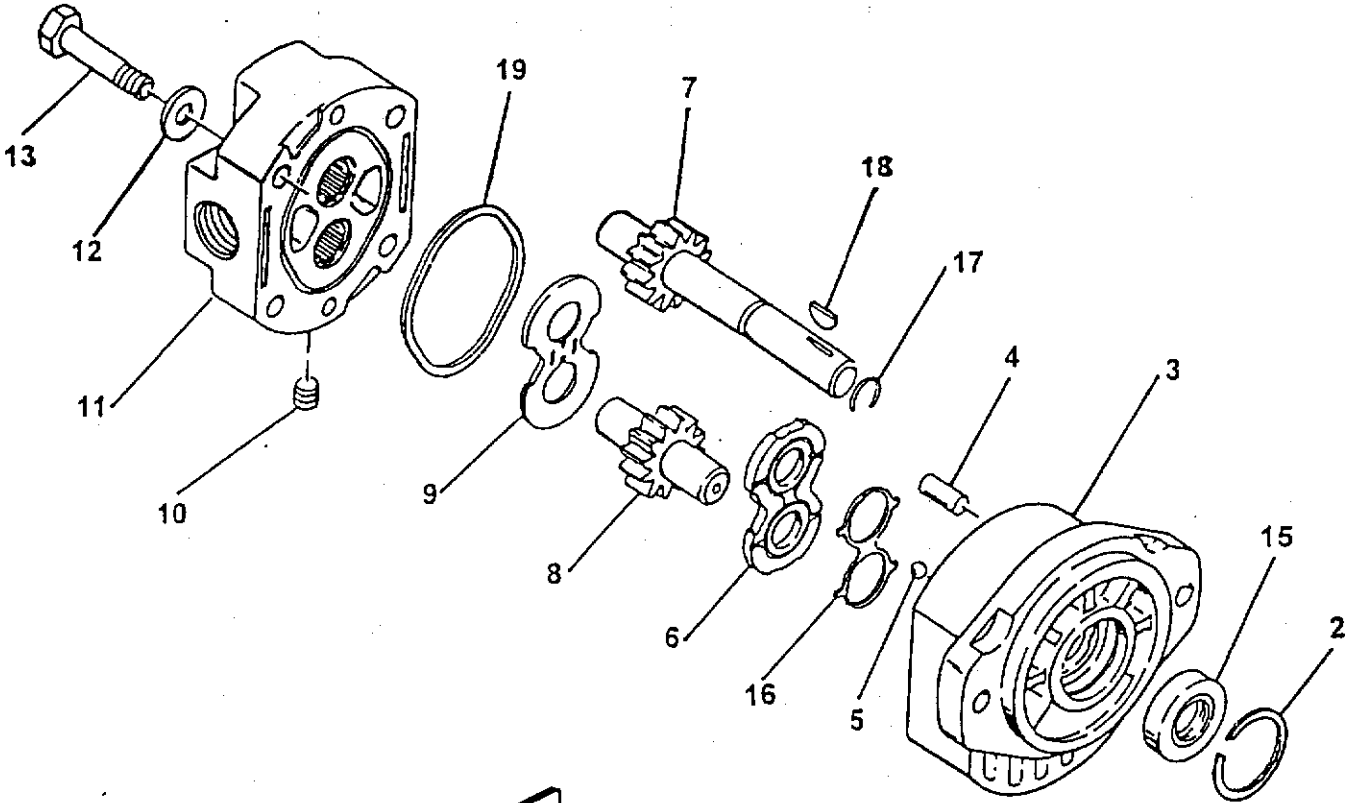
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	78157	Assembly, Wash Water Pump (See Group 80, Figure 09 for NHA)					Ref
2		• Plate, Name					1
3		• Cover, Bearing Rear					1
4		• Bearing, Sealed Bowl					2
5		• Endplate, (Ni-Resist) with Seal					1
6		• Bolt, Hex (attaching parts)			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

DASH (-) ITEM NOT ILLUSTRATED

REED

WASH PUMP MOTOR ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 11
PAGE 01



FWD

REED**WASH PUMP MOTOR ASSEMBLY****B50**
PARTS
GROUP 80
FIGURE 11
PAGE 02

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

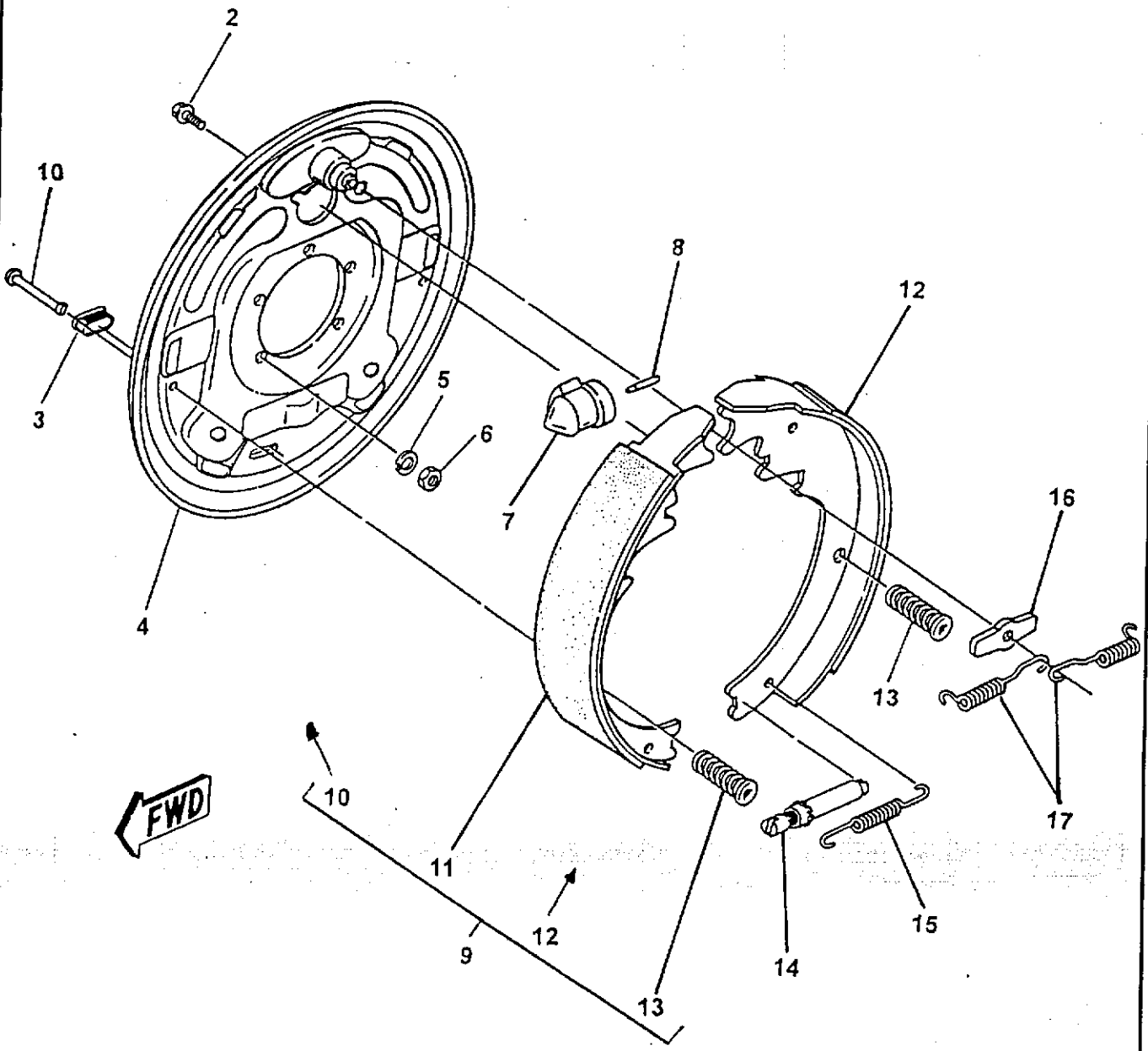
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 12
PAGE 01



REVISION:



NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

B50
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

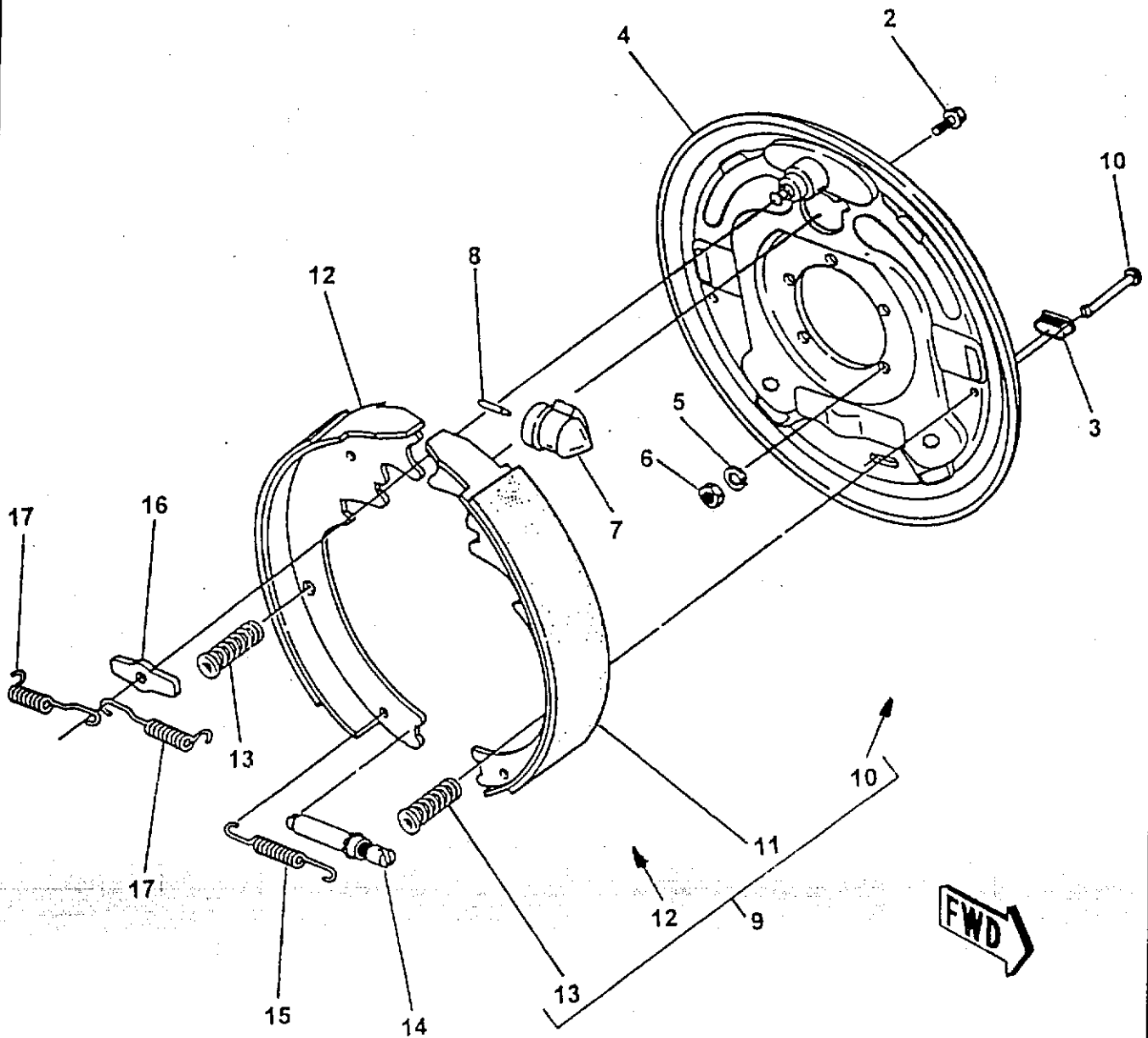
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 13
PAGE 01





**OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY**

B50
PARTS
GROUP 80
FIGURE 13
PAGE 02

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

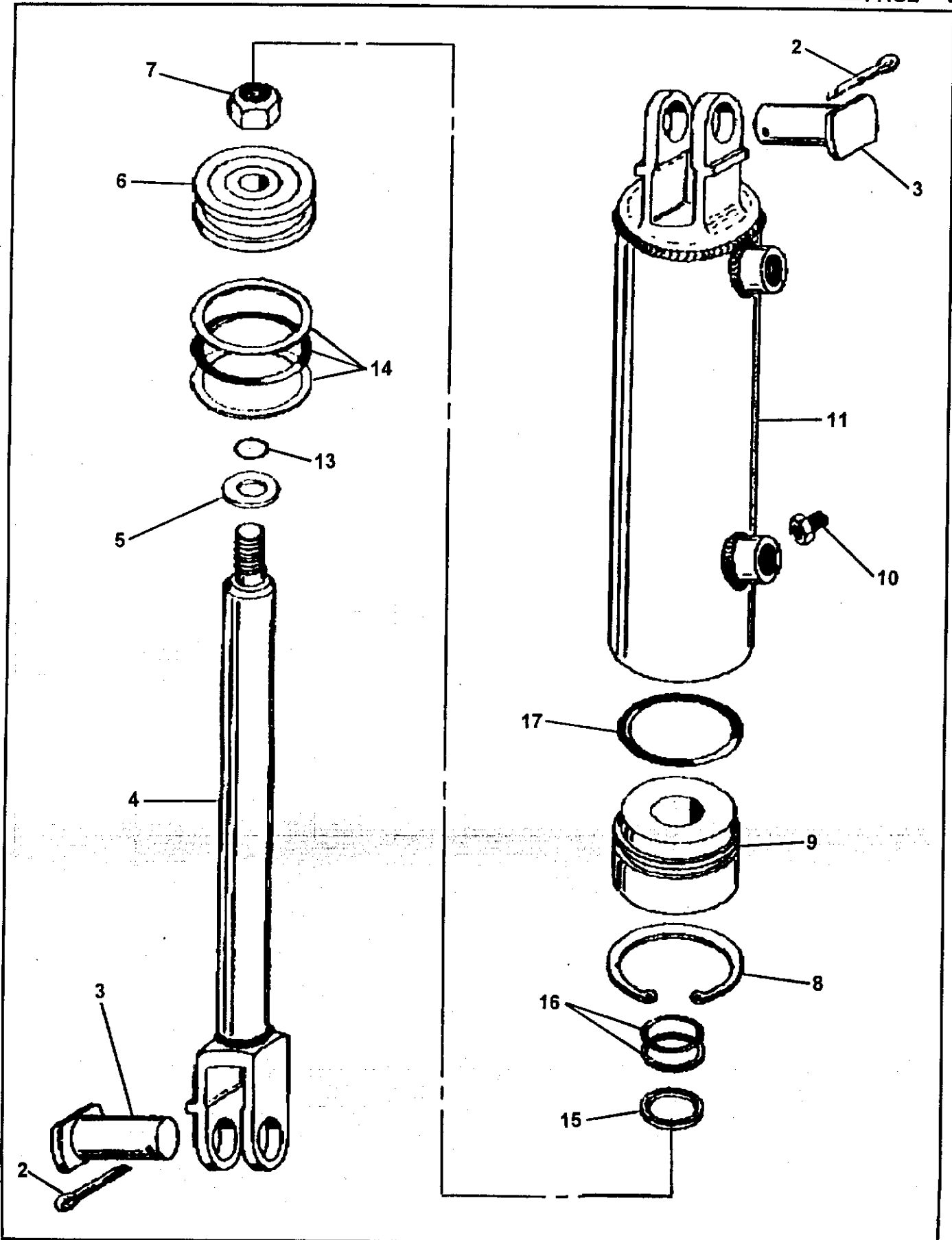
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 14
PAGE 01



REVISION:

Function: BILI

Single Level Bill

06/28/2006

Option: A In Eff: 062806 Out Eff: 123179

Parent: 86334

Desc: HYD OUTRIGGER GROUP

Rv: Um: EA Run Lt: 2 Fixed Lt: 1

Plnr: PMP Lt: N Pln Pol: N Drwg:

Pt Use Seqn Component

Starting:

Pt	Use	Seqn	Component	Description	C	Q	M	L
					T	Quantity	T	Um B T
FINAL	159	85845		DECAL, OUTRIGGERS	N	1	I	EA B N
FINAL	159	800919		DECAL, WARNING, STAND CLEAR - O/	N	2	I	EA B N
PASSY	150	86574		HYD CYL- 2.00BOREX12.00 STR-PAIN	N	2	I	EA M N
PASSY	151	85685		TUBE, HYD, OUTRIGGER-PAINTED	N	1	I	EA M N
PASSY	151	85686		TUBE, HYD, OUTRIGGER - PAINTED	N	1	I	EA M N
PASSY	152	85659-010		HOSE, 4M2T-6FJX-6FJX-33.00	N	4	I	EA B N
PASSY	152	801902-020		TUBE CLAMP - 3/8 IN - HALF	N	4	I	EA B N
PASSY	153	86728-008		ELBOW, MB-MJ90-8-6	N	4	I	EA B N
PASSY	990	WC[R]PUMP		PUMP ASSEMBLY LABOR	R	.5	I	HR M N

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 LOGIC					1
19	10528	• Nut					1
20	10523	• Relief, Strain					1

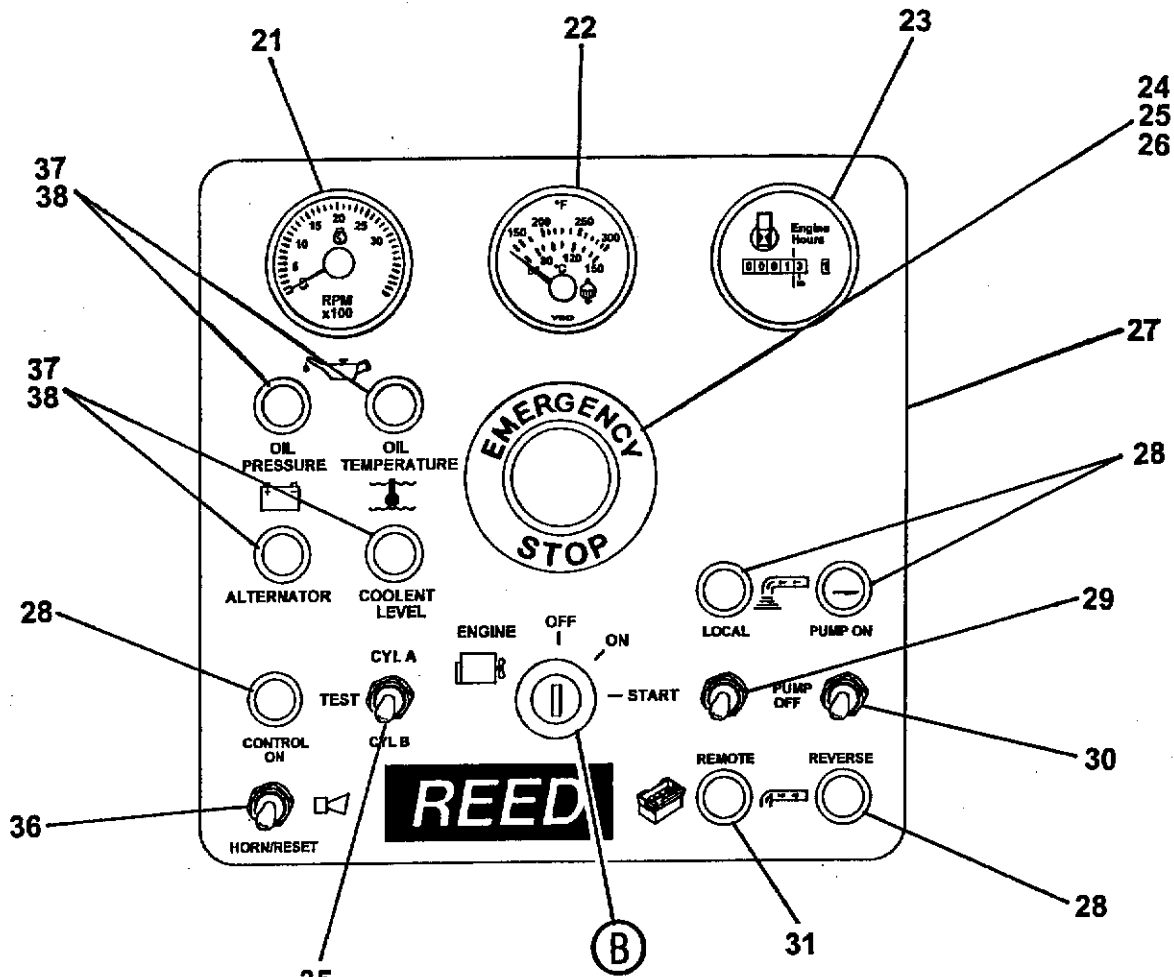
DASH (-) ITEM NOT ILLUSTRATED

17A GREEN PLUG 8730Z

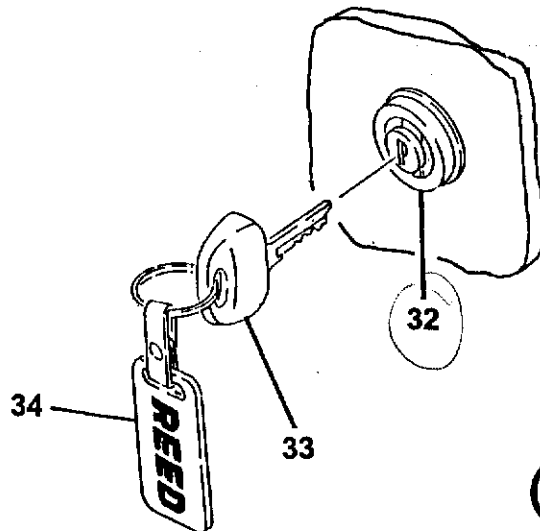
REED

CONTROL BOX ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 02
PAGE 03



(A)



(B)

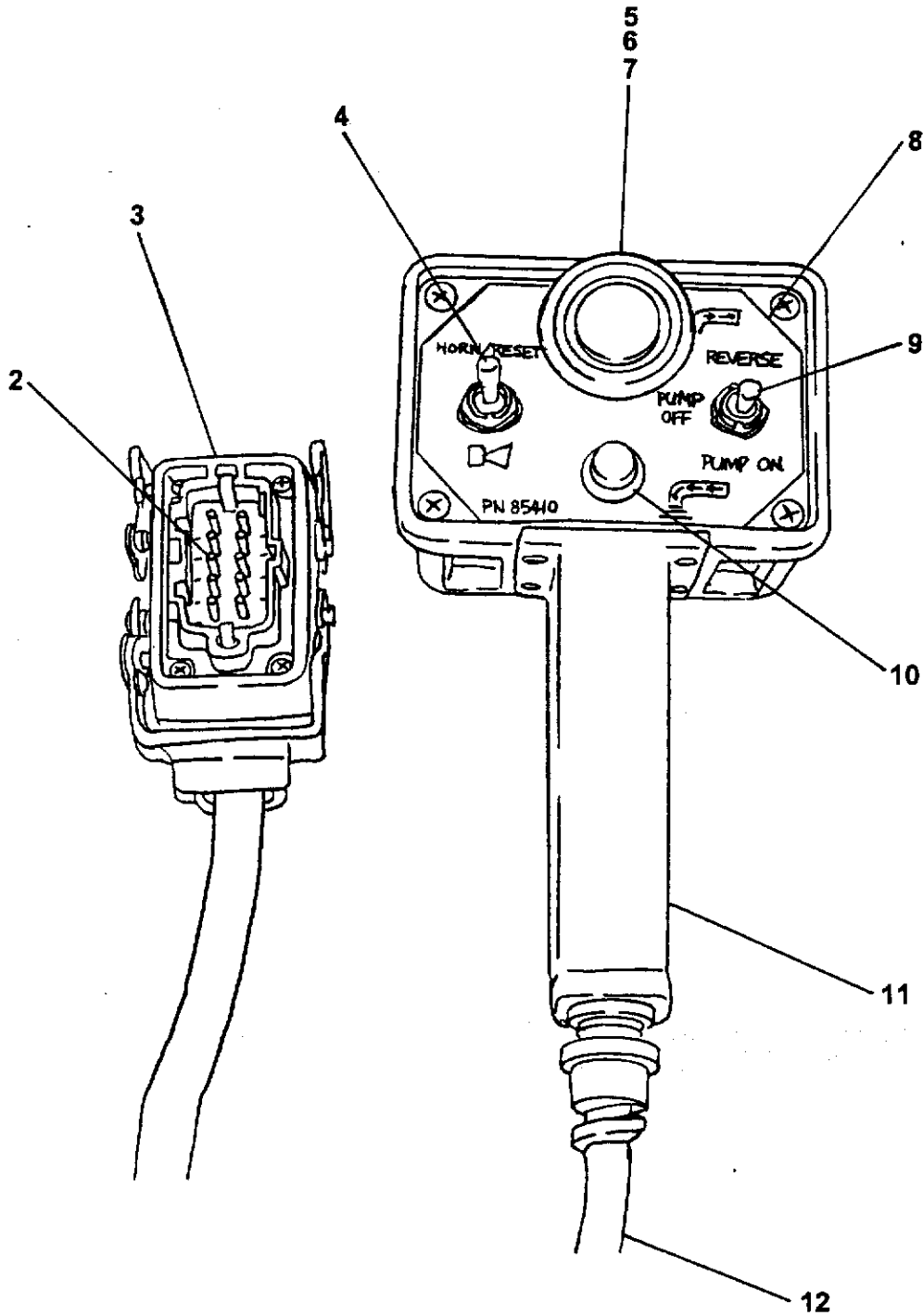
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
21	78687	• Tachometer					1
22	78203	• Gauge, Water Temperature					1
23	74240	• Meter, Engine Hour					1
24	85342	• Operator, Emergency Stop					1
25	85343	• Block, Contact					1
26	85344	• Bulb, Emergency Stop					1
27	85332	• Decal, B50 Control 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	86233	• 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

B50
PARTS
GROUP 50
FIGURE 03
PAGE 01



REVISION:

REED**50 FEET CABLE
REMOTE CONTROL ASSEMBLY****B50**
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, B50 Remote Control Box	1
9	72003	• Switch, Pump On / Reverse	1
10	85355	• Pilot, Light	1
11	71999	• Pistol, Grip	1
12	85620	• Cable, 50 Feet Remote Control	1

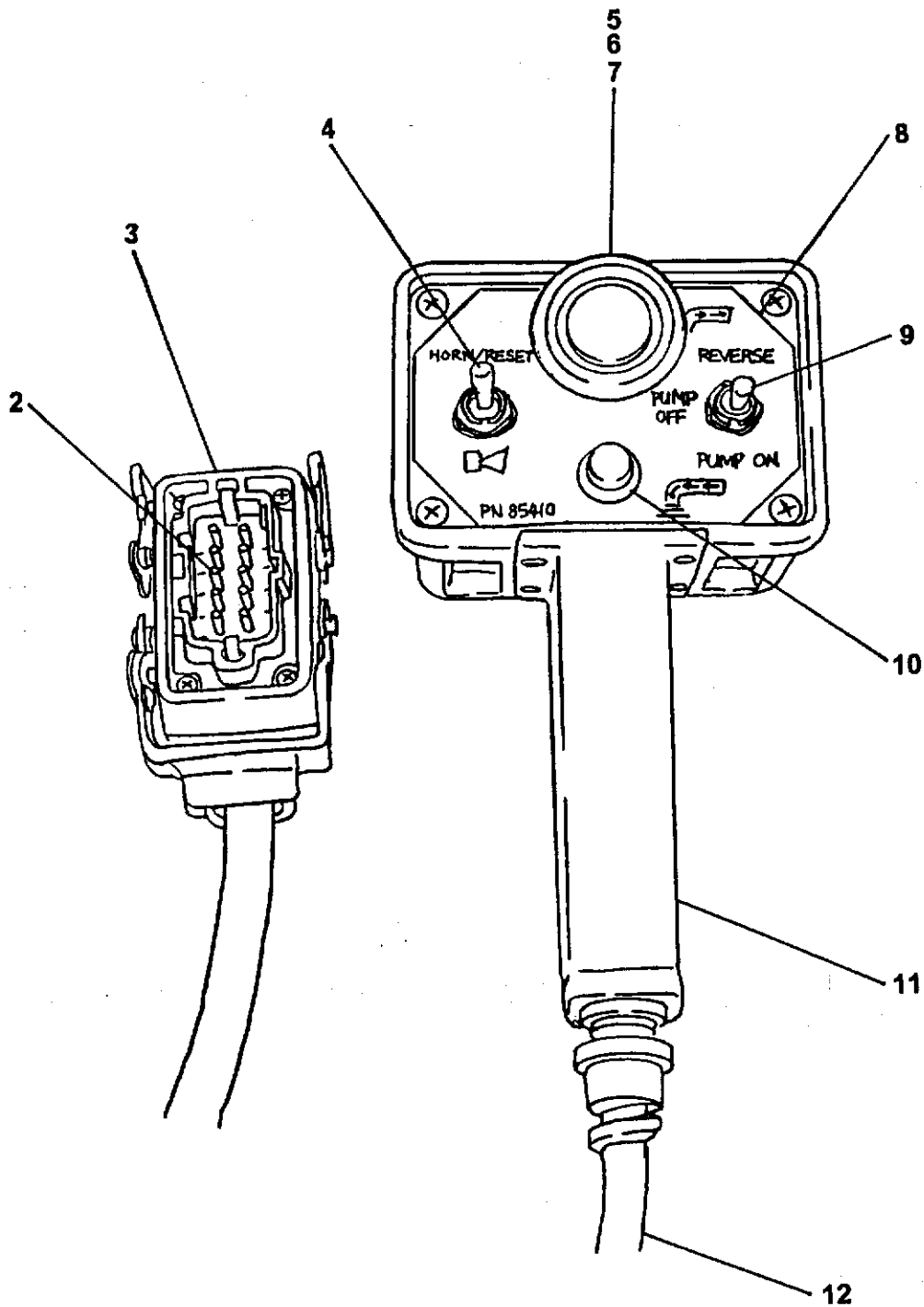
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

**100 FEET CABLE
REMOTE CONTROL ASSEMBLY**

B50
PARTS
GROUP 50
FIGURE 04
PAGE 01



REED**100 FEET CABLE
REMOTE CONTROL ASSEMBLY****B50**
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, B50 Remote Control Box	1
9	72003	• Switch, Pump On / Reverse	1
10	85355	• Pilot, Light	1
11	71999	• Pistol, Grip	1
12	85816	• Cable, 100 Feet Remote Control	1

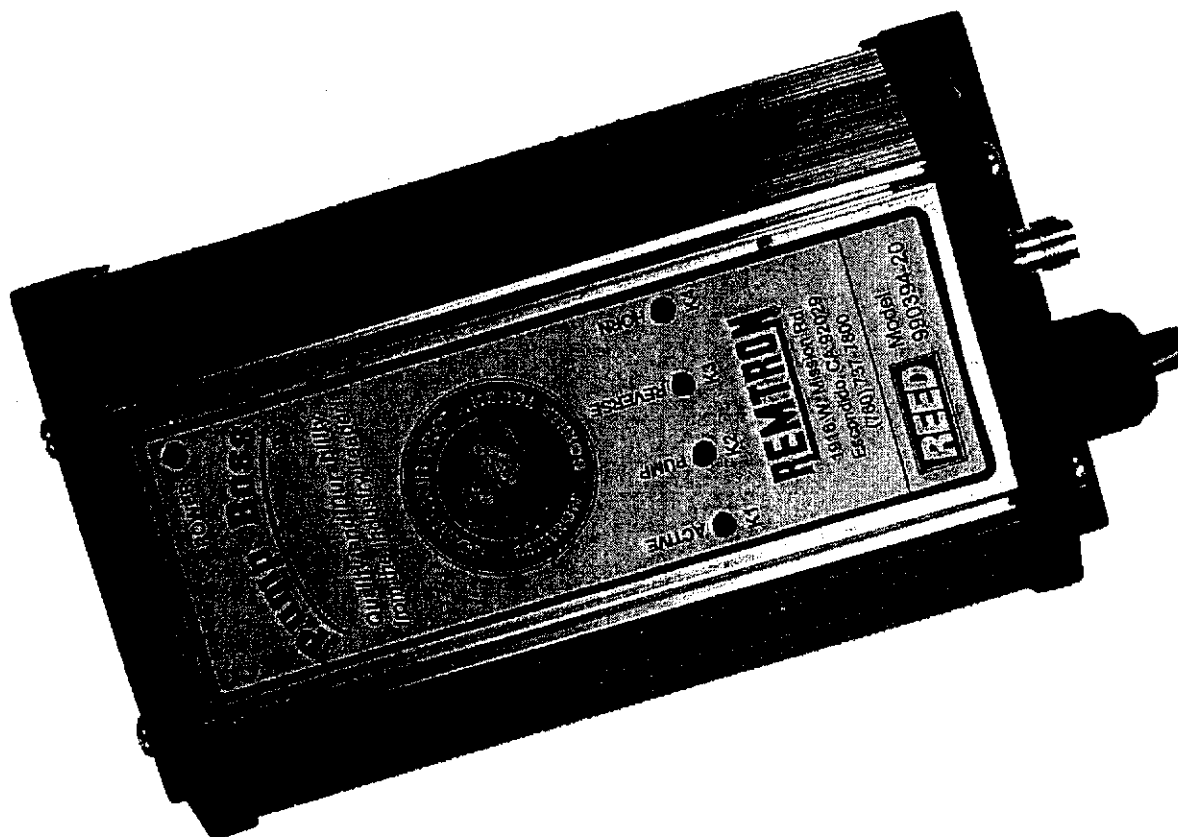
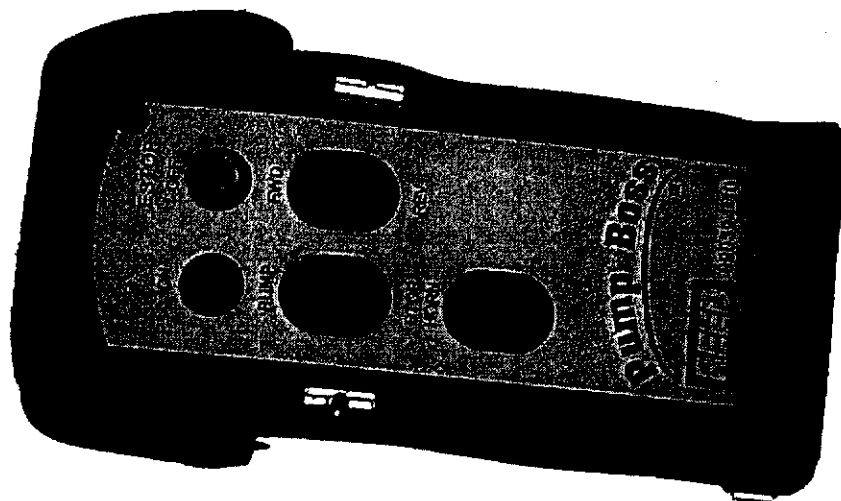
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

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**OPTIONAL RADIO REMOTE
CONTROL ASSEMBLY**

B50
PARTS
GROUP 50
FIGURE 05
PAGE 01



REVISION:

REED

**OPTIONAL RADIO REMOTE
CONTROL ASSEMBLY**

B50
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.

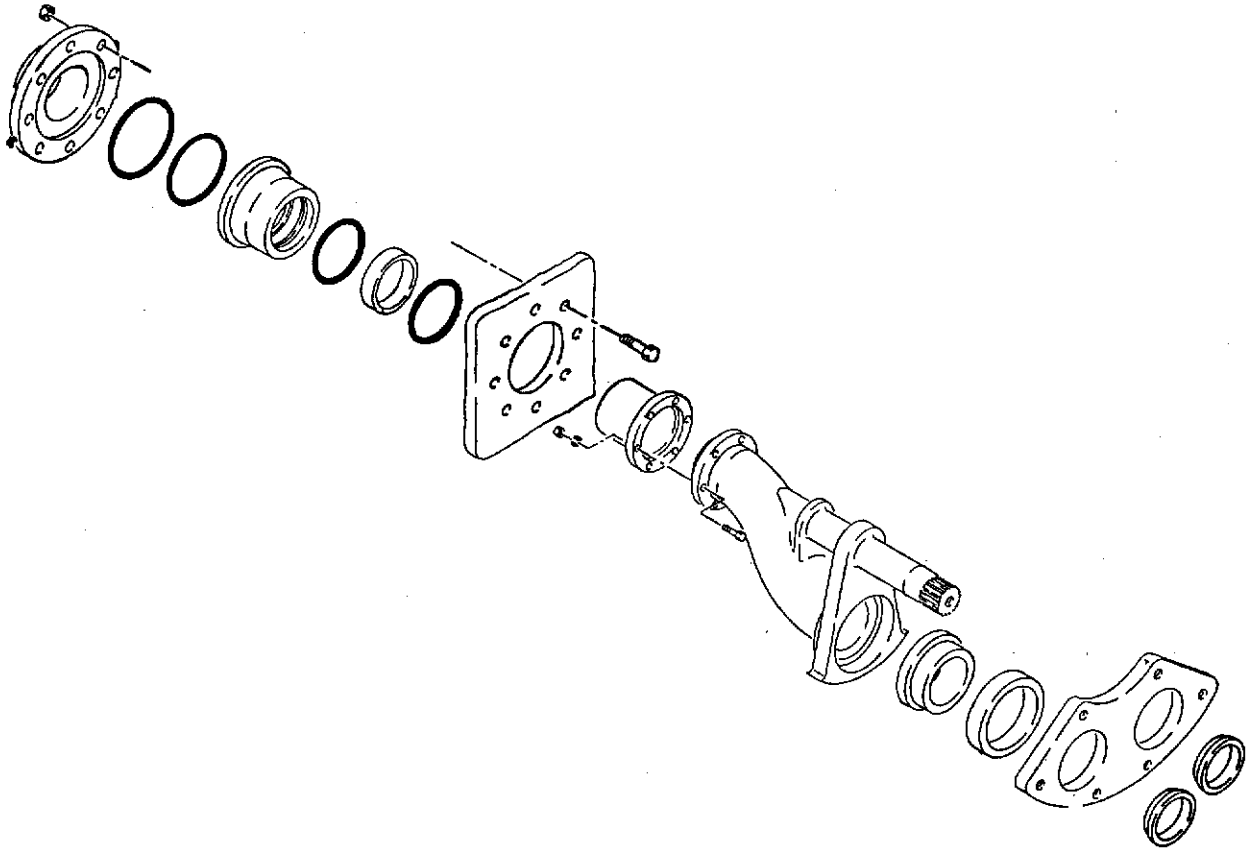
REVISION:

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

B50
PARTS
GROUP 50
FIGURE 06
PAGE 01

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REED**TRAILER MOUNTED PUMP MODEL B50
GROUP 60 PUMPING TRAIN INSTALLATION**

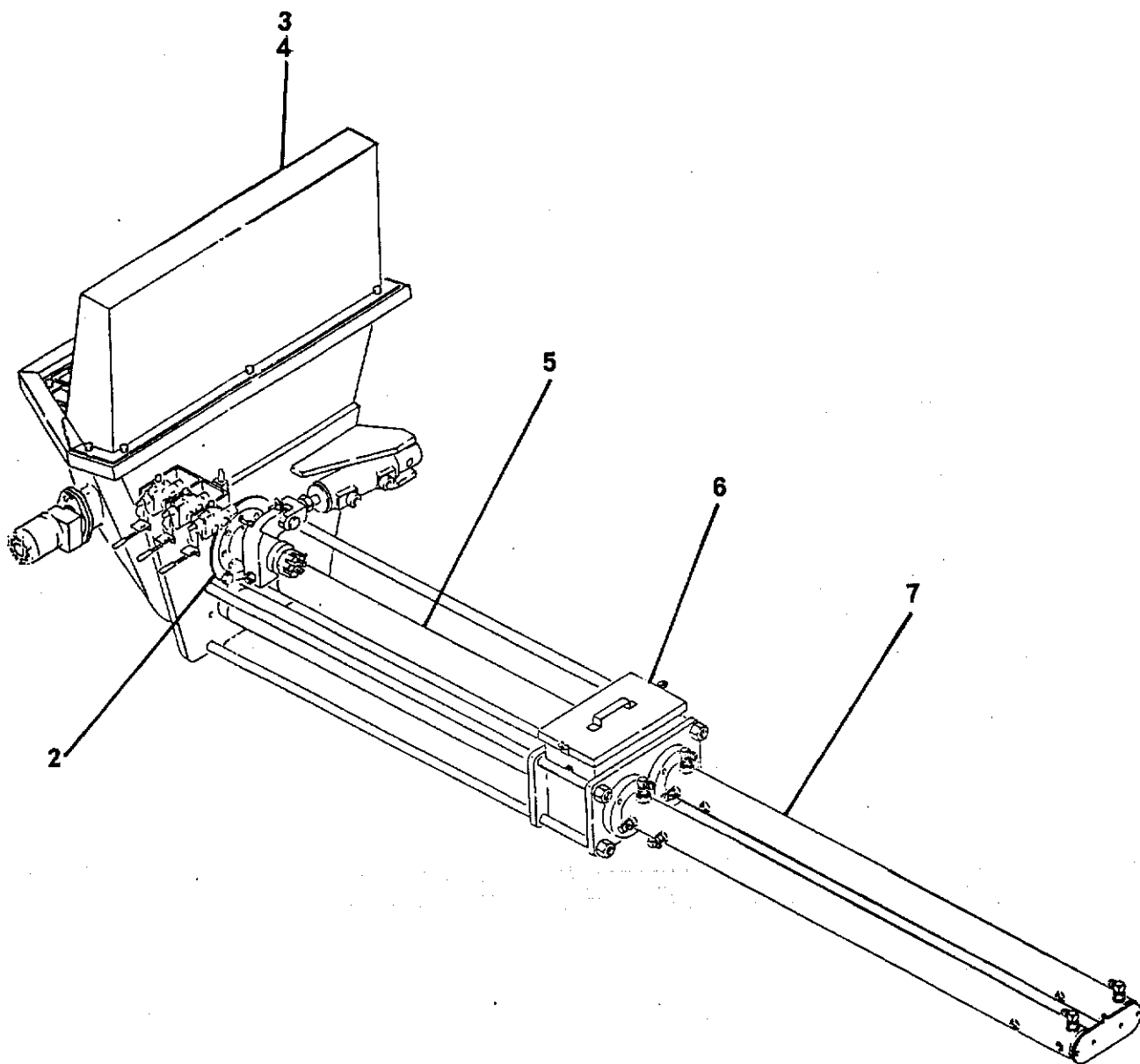
**REED TRAILER MOUNTED CONCRETE PUMP MODEL B50 ILLUSTRATED PARTS
MANUAL GROUP 60 PUMPING TRAIN INSTALLATION CONTAINS THE FOLLOWING
FIGURES:**

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

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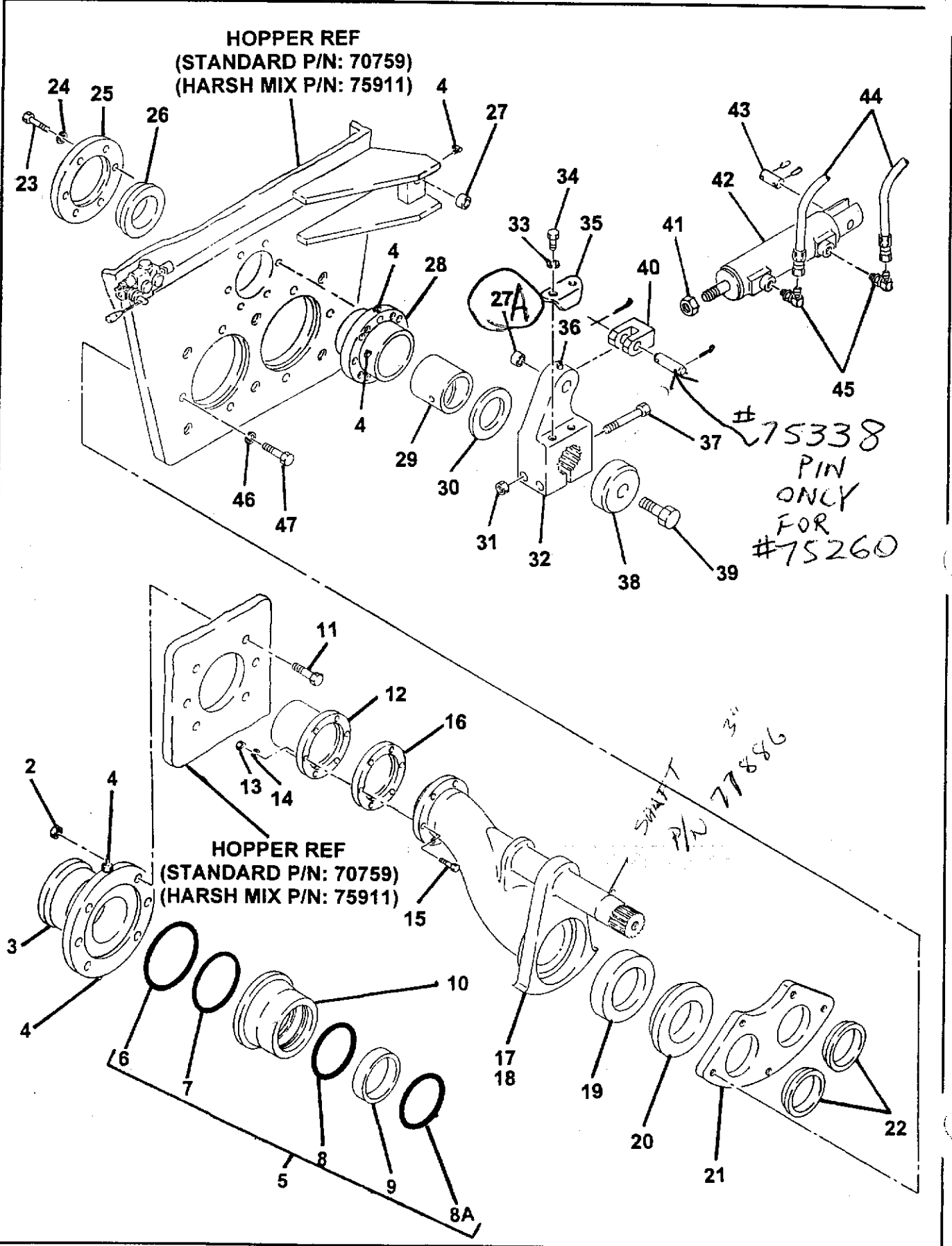
PUMPING TRAIN INSTALLATION

B50
PARTS
GROUP 60
FIGURE 01
PAGE 01



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



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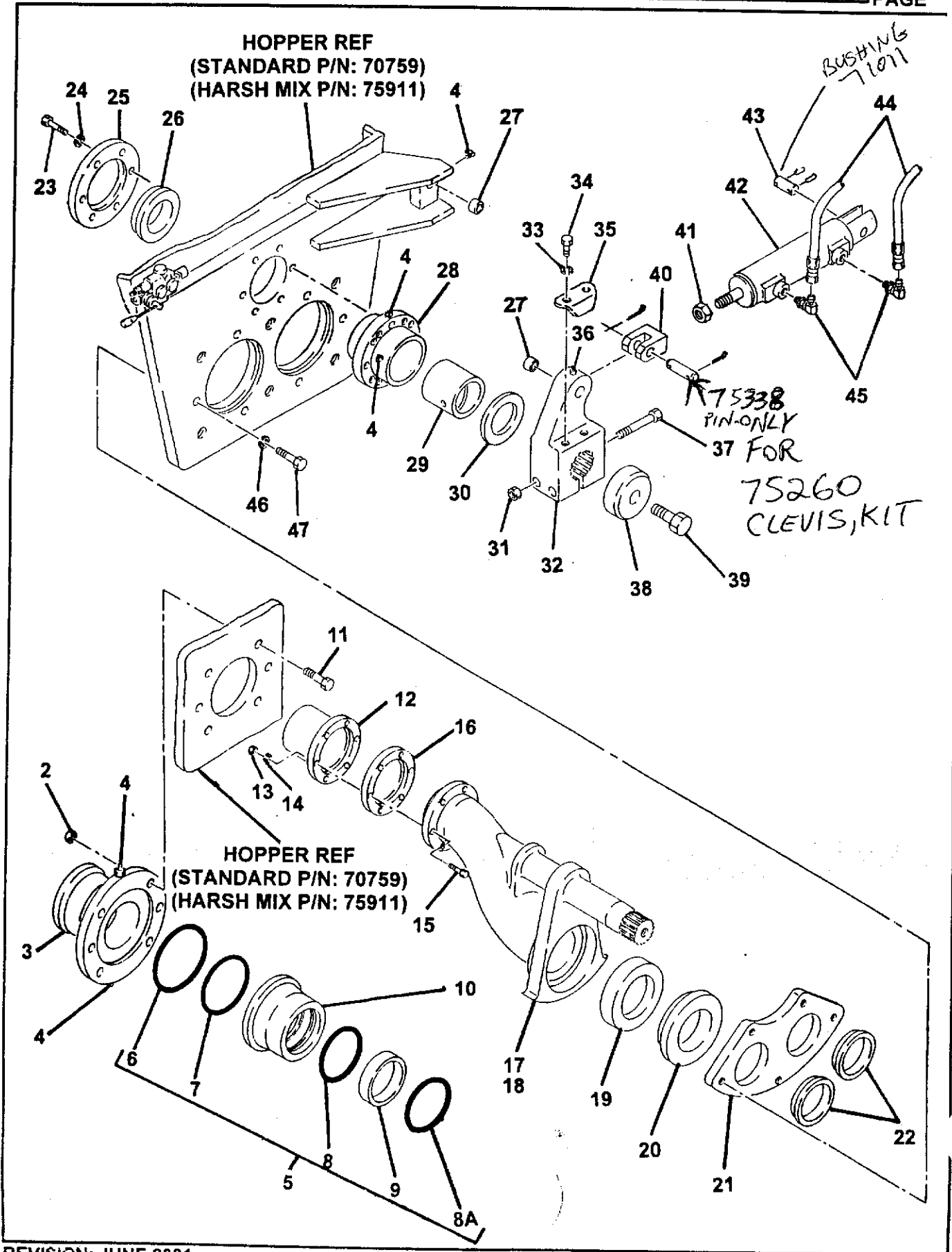
SWING VALVE ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 02
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-02	Assembly, Swing Valve (See Group 60, Figure 01 for NHA)					Ref
2		• Nut <i>Outlet</i>					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 <i>Northhead</i>					1
8A	77765	••• Seal, Outlet Thick					1
9	77763	••• Band, Guide					1
10	72309	• Housing, Outlet Seal					1
11		• Bolt, Hex <i>Outlet</i>					6
12	70042	• Outlet, Chromed					1
13		• Nut, Nylock (attaching parts)					6
14		• Washer, Lock (attaching parts)					6
15		• Bolt, Hex (attaching parts) <i>3/8-16 x 1 1/2</i>					6
16	73408	• Flange, Extension					A/R
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 <i>9/16-12 x 3"</i>					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
35	73478	• Retainer, Bolt					1
36		• Fitting, Grease STR					1
37		• Bolt, Hex					2

27A 85538 BUSHING

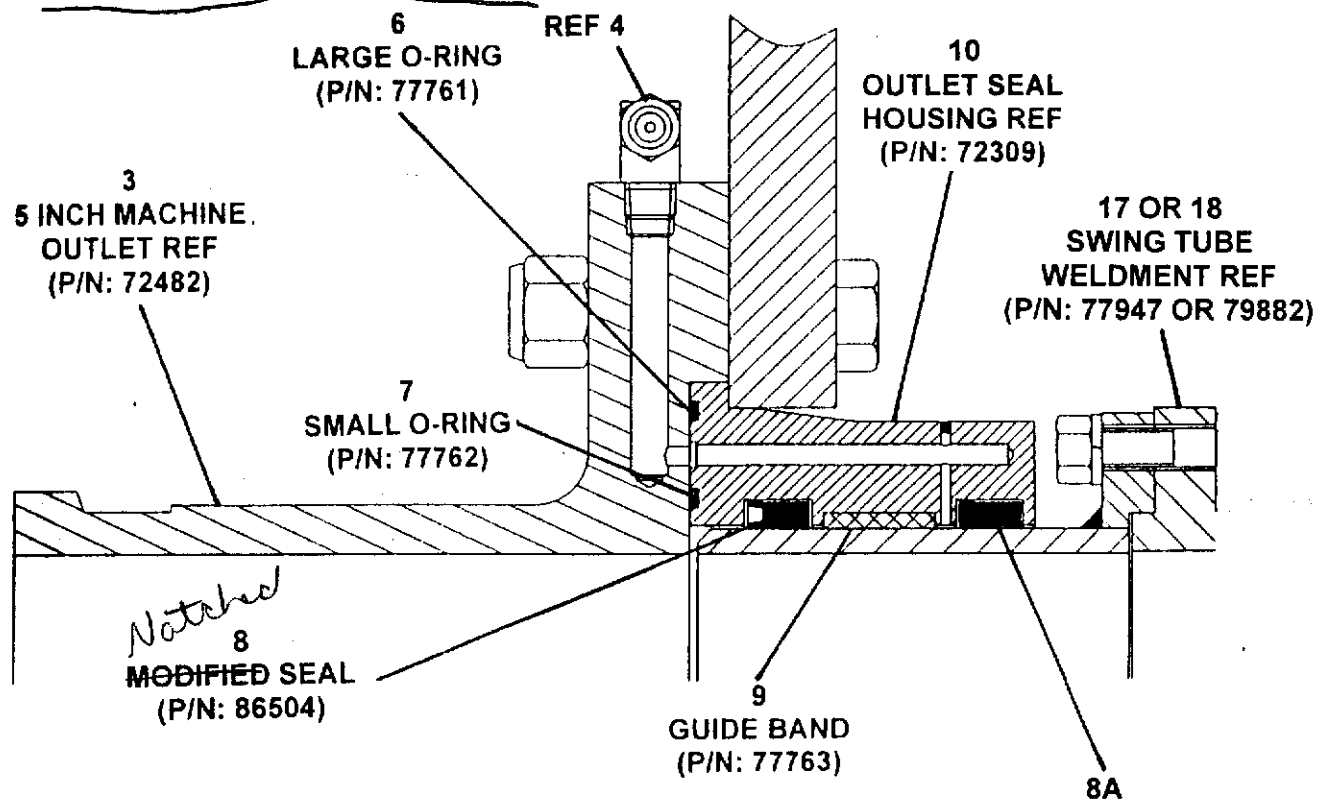
DASH (-) ITEM NOT ILLUSTRATED



ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
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, B50 Hose (See Schematic Section, Page 17 for REF)	1
45	86728-014	• Fitting, 90	2
46		• Washer, Lock	6
47		• Bolt, Hex	6

DASH (-) ITEM NOT ILLUSTRATED

*40 REPLACEMENT #86543 CLEVIS & PIN
 PIN ONLY #86530*

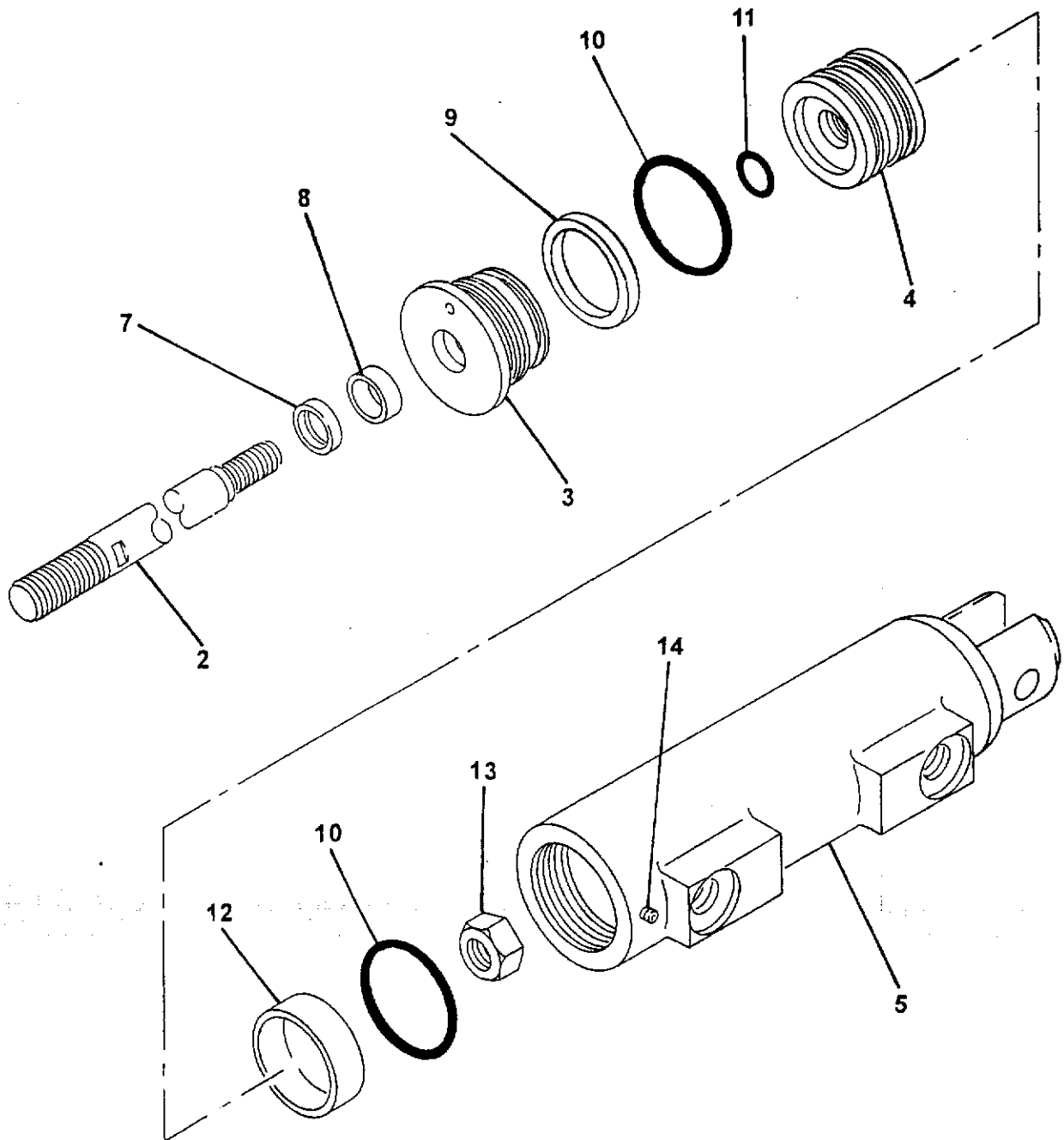


**SEAL KIT INSTALLATION
 SECTIONAL VIEW
 (P/N: 79895)**

REED

**SWING RAM CYLINDER
SUB-ASSEMBLY**

B50
PARTS
GROUP 60
FIGURE 03
PAGE 0



REVISION:

REED**SWING RAM CYLINDER
SUB-ASSEMBLY****B50**
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) 86221					Ref
2		• Rod, Cylinder					1
3		• Retainer, Seal					1
4		• Piston					1
5		• Weldment, Cylinder Barrel					1
-6	75102	• Kit, Seal 79395					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

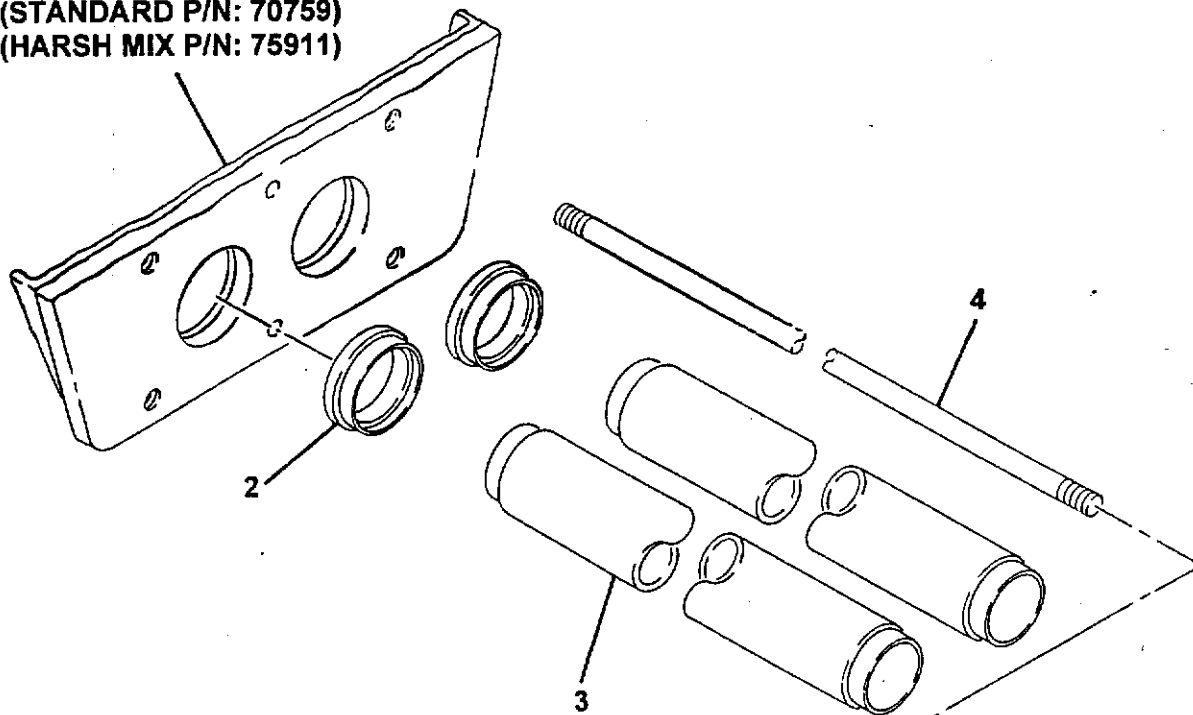
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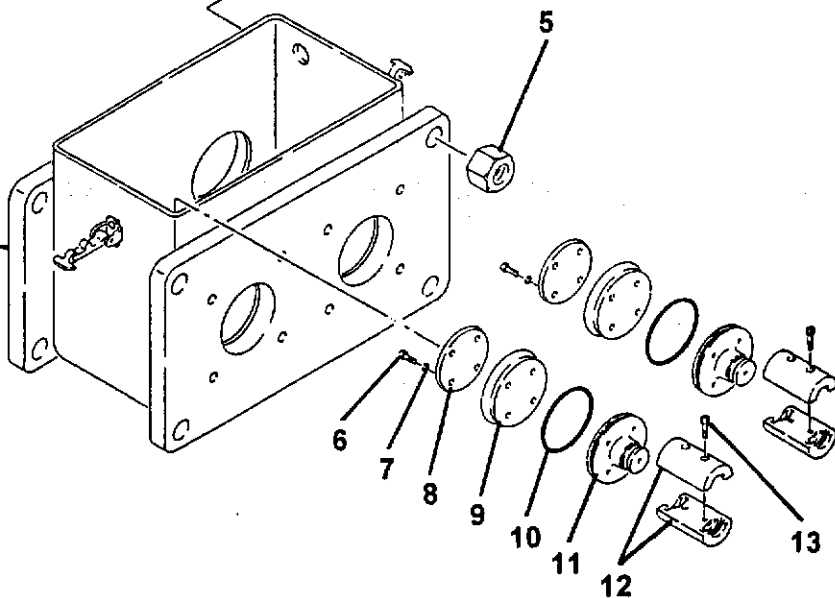
CONCRETE CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 04
PAGE 01

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



FLUSHBOX REF
(P/N: 73498)





CONCRETE CYLINDER ASSEMBLY

B50
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

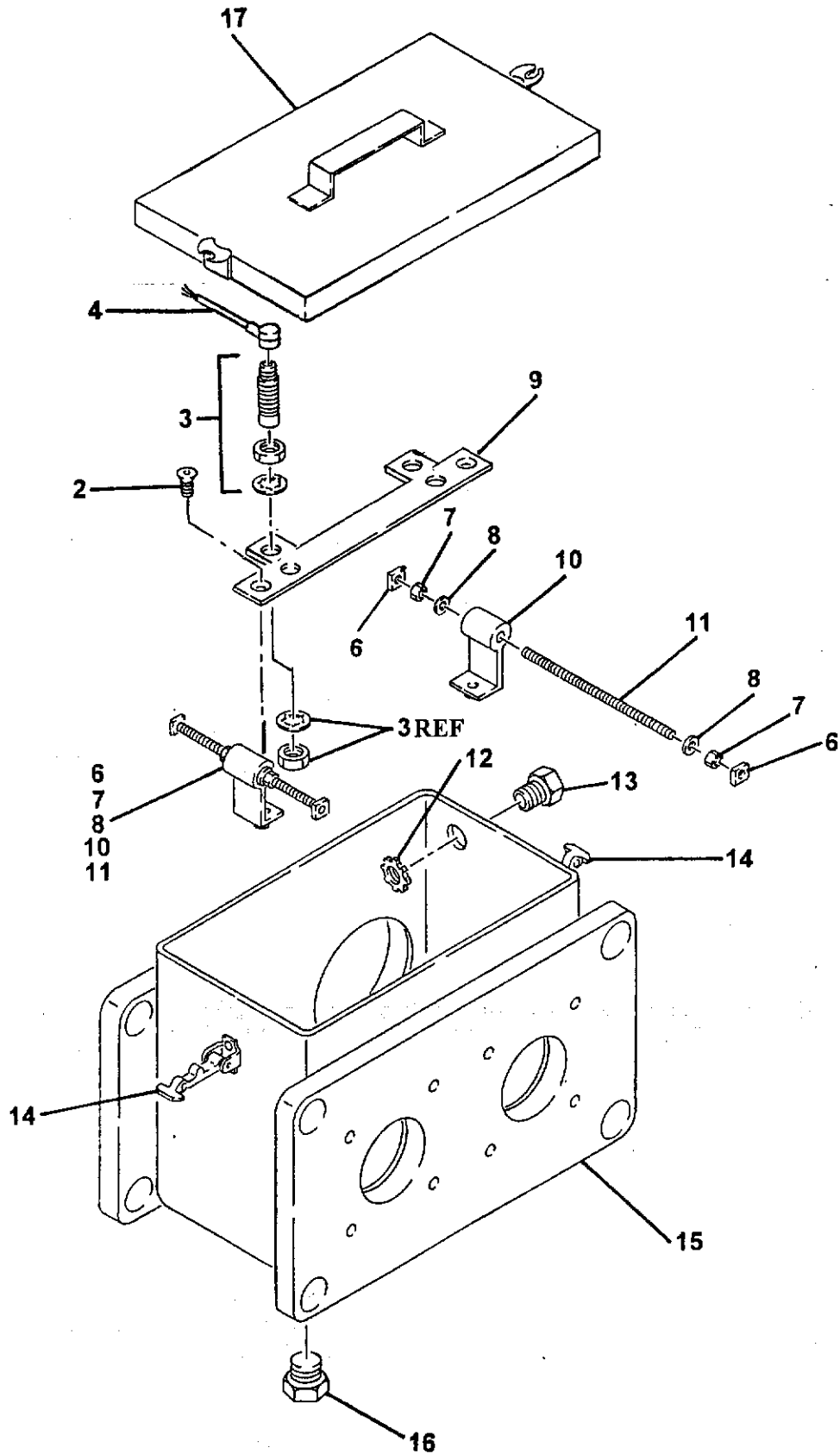
DASH (-) ITEM NOT ILLUSTRATED

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FLUSHBOX ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 05
PAGE 01





FLUSHBOX ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 05
PAGE 02

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

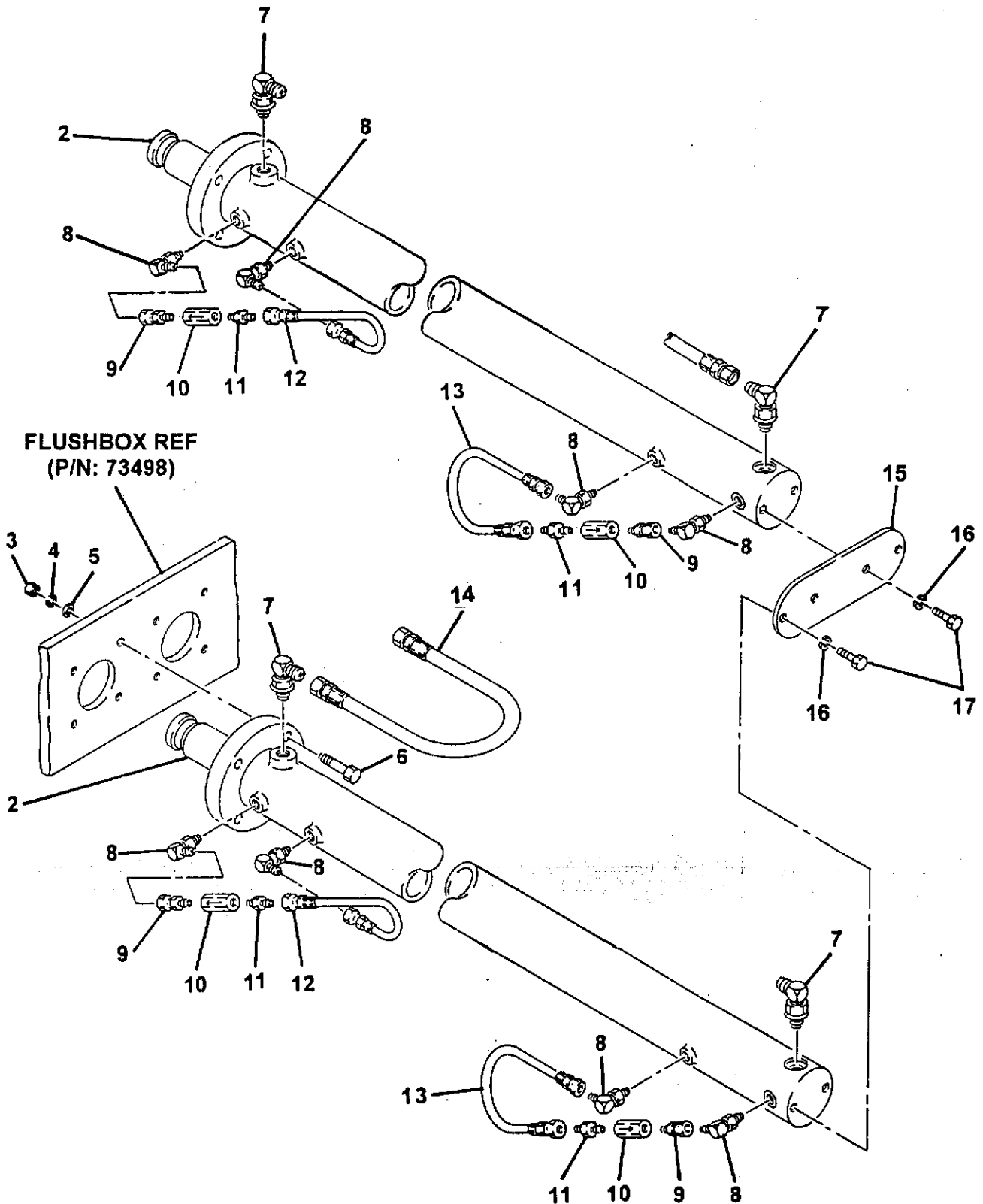
DASH (-) ITEM NOT ILLUSTRATED

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HYDRAULIC DRIVE CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 06
PAGE 01



REVISION:

REED**HYDRAULIC DRIVE
CYLINDER ASSEMBLY****B50**
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	70986	• Sub-Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 07 for DET)					1
3	<i>3/4-10</i>	• Nut, Hex (attaching parts) <i>NYLOCK NUT</i>					8
4	<i>DON'T USE</i>	• Washer, Lock (attaching parts)					8
5	77096	• Washer, Thread (attaching parts) <i>3/4" SOE 812x12</i>					8
6	<i>3/4-10 x 4"</i>	• Bolt (attaching parts) <i>Socket Head</i>					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	73183	• Plate, End					1
16		• Washer, Lock (attaching parts)					4
17		• Bolt, Hex (attaching parts)					4

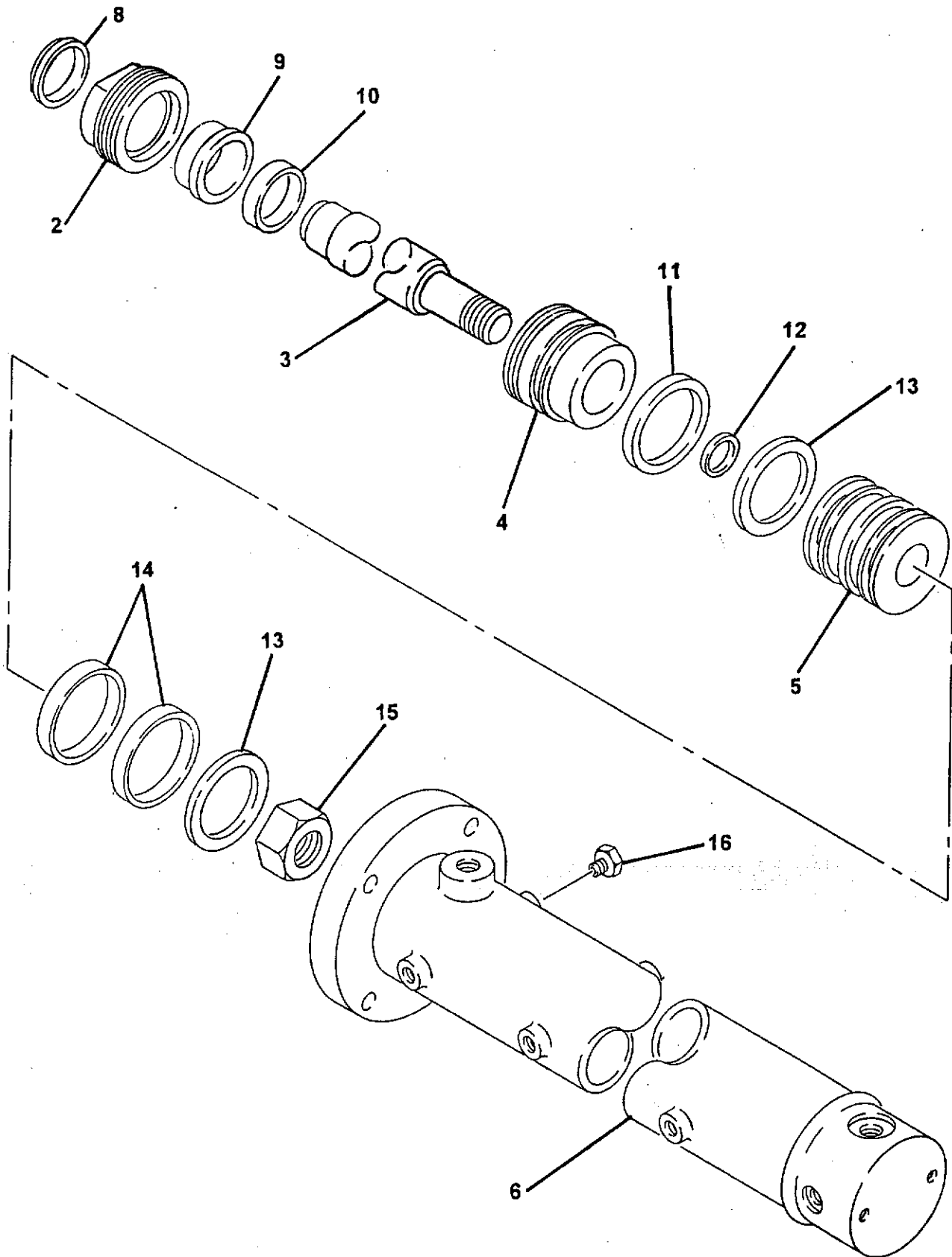
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

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HYDRAULIC DRIVE CYLINDER SUB-ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 07
PAGE 01



REED**HYDRAULIC DRIVE
CYLINDER SUB-ASSEMBLY****B50**
PARTS
GROUP 60
FIGURE 07
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	70986 86223	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	76974	• Kit, Seal <i>for 70986</i>					1
8		• • Wiper, Rod					1
9		• • Bearing, Rod Bronze <i>NOT INCL.</i>					1
10		• • Seal, Rod					1
11		• • Seal, Static					1
12		• • Seal, Static					1
13		• • Seal, Piston					2
14		• • Ring, Wear					2
15		• • Nut, Piston <i>NOT INCL.</i>					1
16		• Plug					4

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

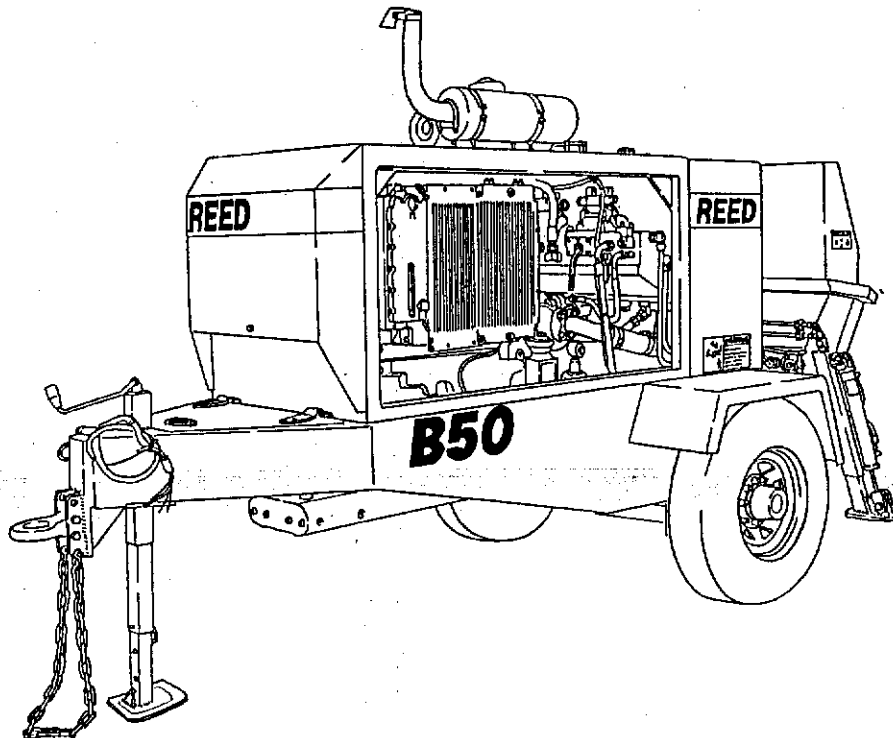
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**TRAILER MOUNTED PUMP MODEL B50
ILLUSTRATED PARTS MANUAL**

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**REED TRAILER MOUNTED CONCRETE PUMP MODEL B50 ILLUSTRATED PARTS
MANUAL GROUP 70 FRAME INSTALLATION CONTAINS THE FOLLOWING
FIGURES:**

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



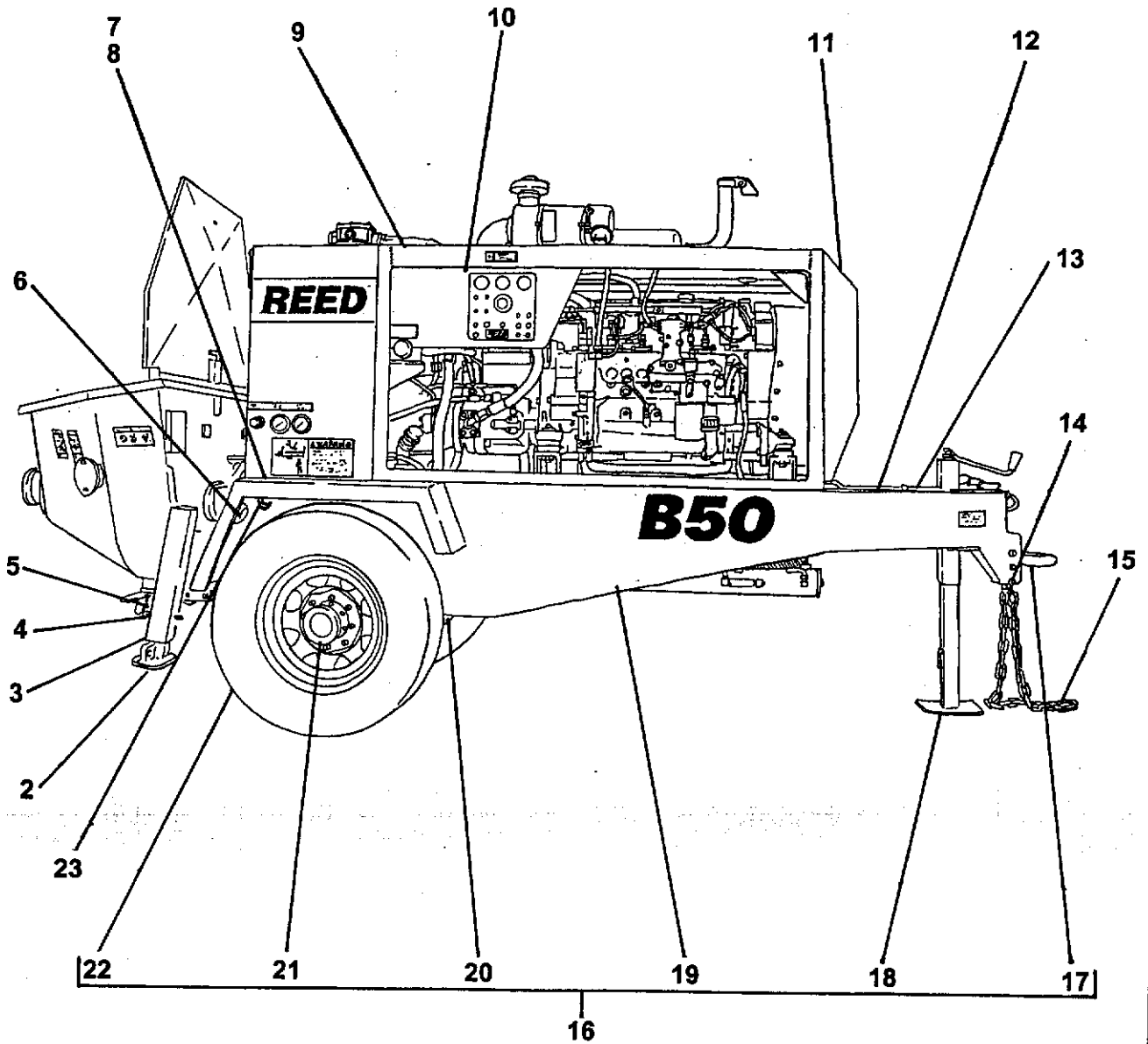
**SHOWN MODEL
HARSH MIX HOPPER UNIT**



FRAME INSTALLATION

B50
PARTS
GROUP 70
FIGURE 01
PAGE 01

SHOWN MODEL
STANDARD HOPPER UNIT



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



**DRIVE CYLINDER CIRCUIT
MANIFOLD ASSEMBLY**

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

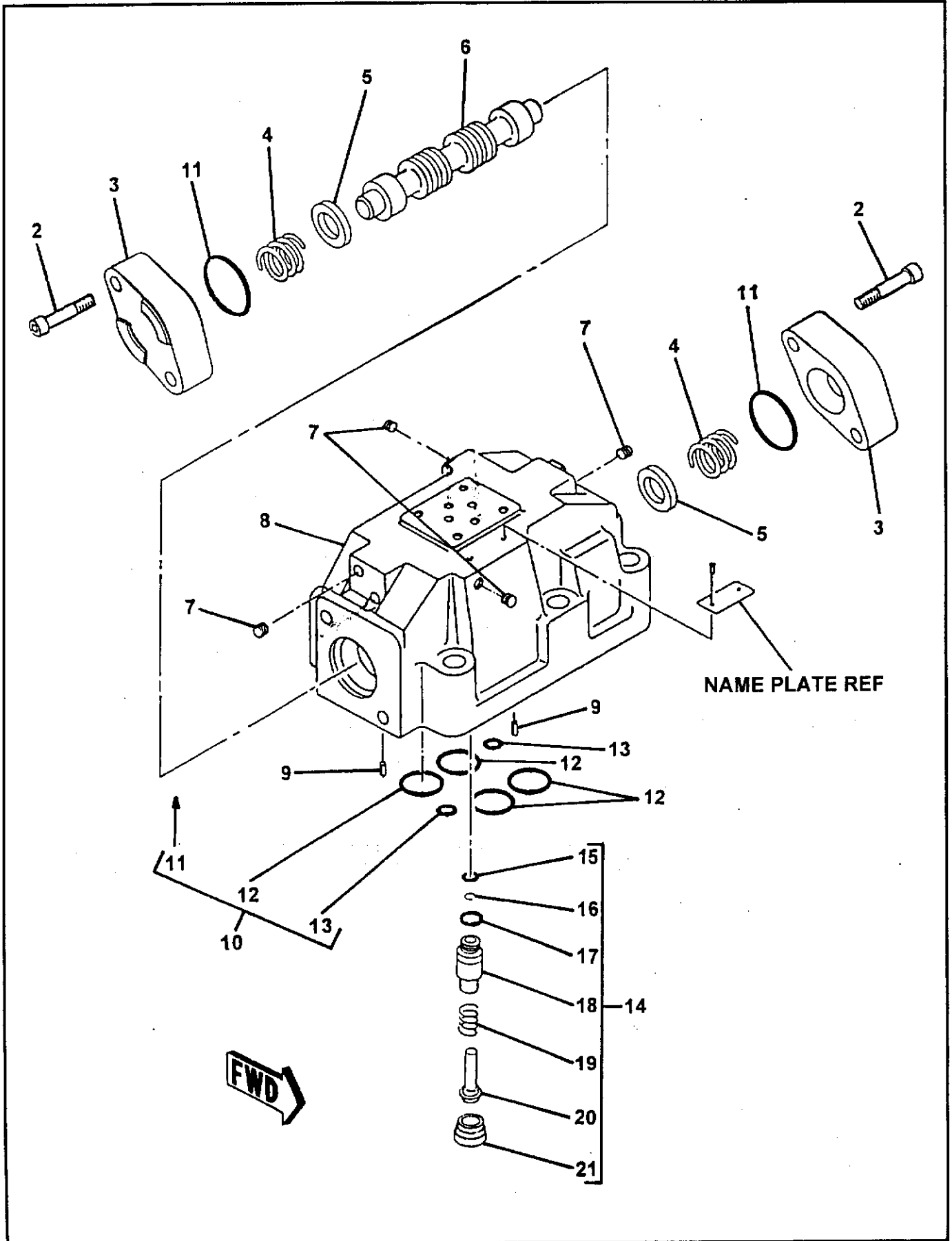
DASH (-) ITEM NOT ILLUSTRATED

16 86947 1/2" kit for 85697

REED

DRIVE CYLINDER CIRCUIT MAIN SOLENOID VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 08
PAGE 01



REVISION:

REED**DRIVE CYLINDER CIRCUIT
MAIN SOLENOID VALVE ASSEMBLY****B50**
PARTS
GROUP 30
FIGURE 08
PAGE 02

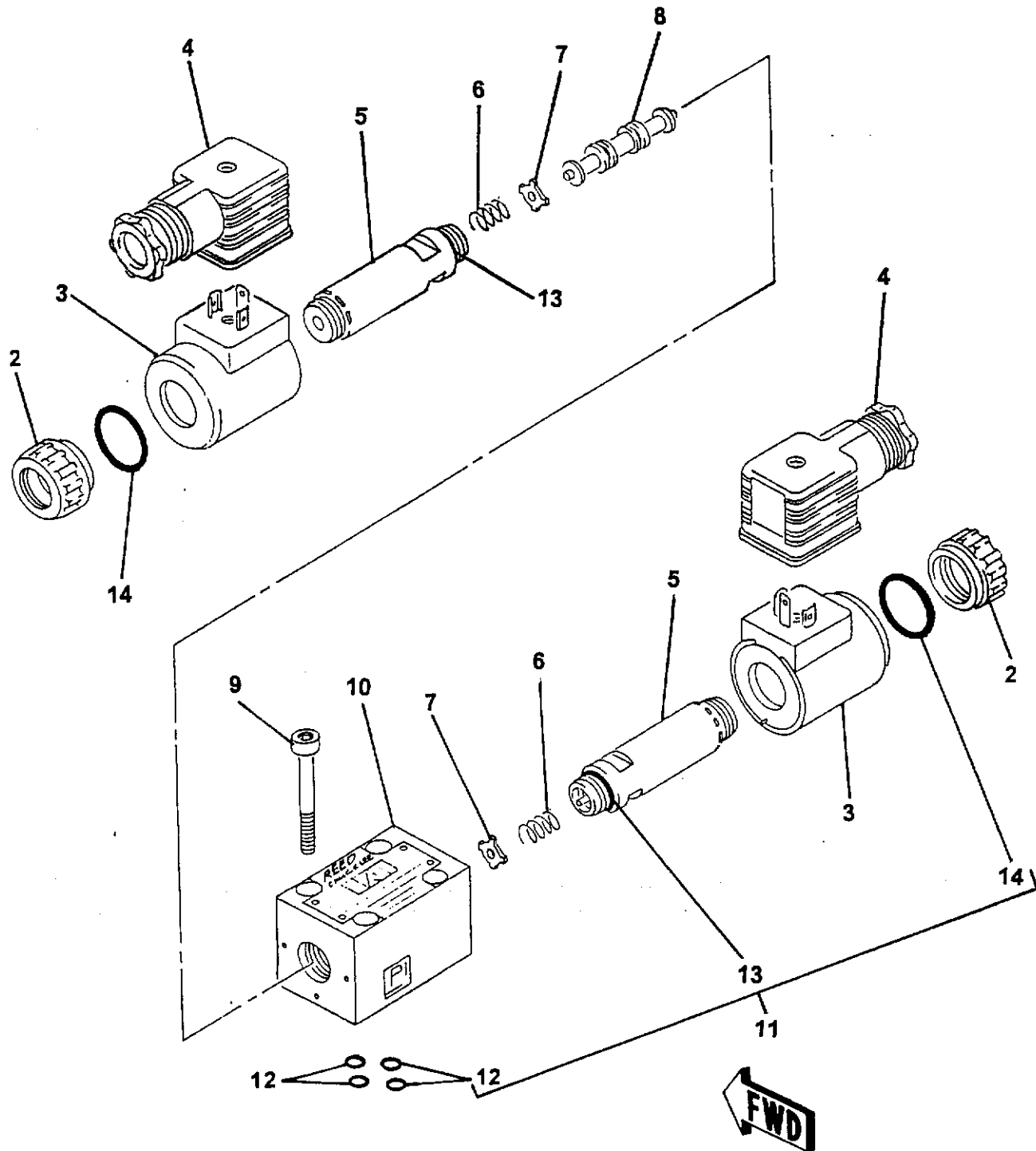
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85690	Assembly, Drive Cylinder Circuit Main Solenoid Valve (See Group 30, Figure 07 for NHA)					Ref
2		• Screw, SOC					4
3		• Cover					2
4		• Spring, Compression					2
5		• Plate, Spring					2
6		• Spool					1
7		• Plug					4
8		• Housing, 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



DRIVE CYLINDER CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 09
PAGE 1



REVISION:

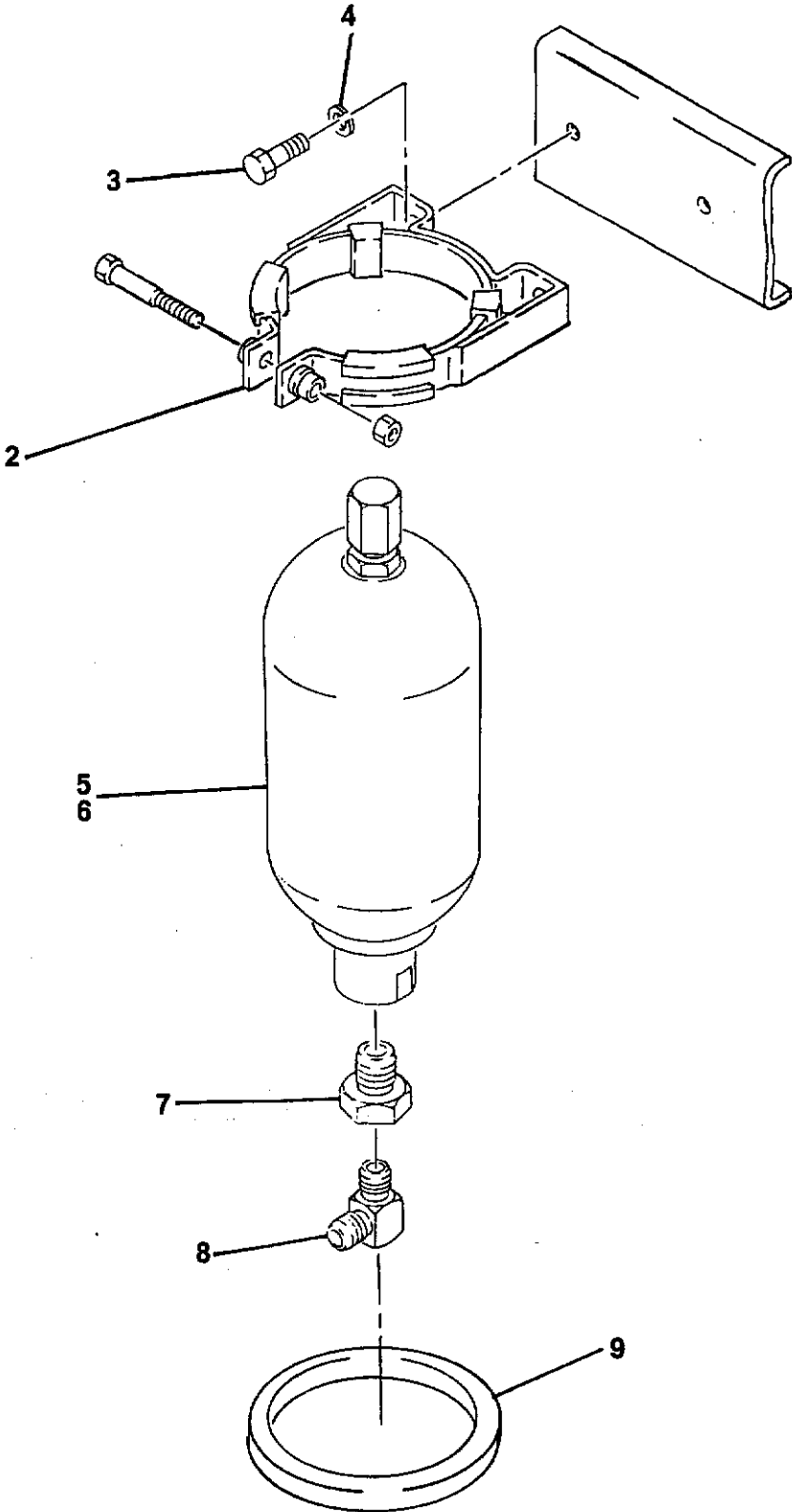
REED**DRIVE CYLINDER CIRCUIT
PILOT SOLENOID VALVE ASSEMBLY****B50**
PARTS
GROUP 30
FIGURE 09
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

ACCUMULATOR ASSEMBLY





ACCUMULATOR ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 10
PAGE 02

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

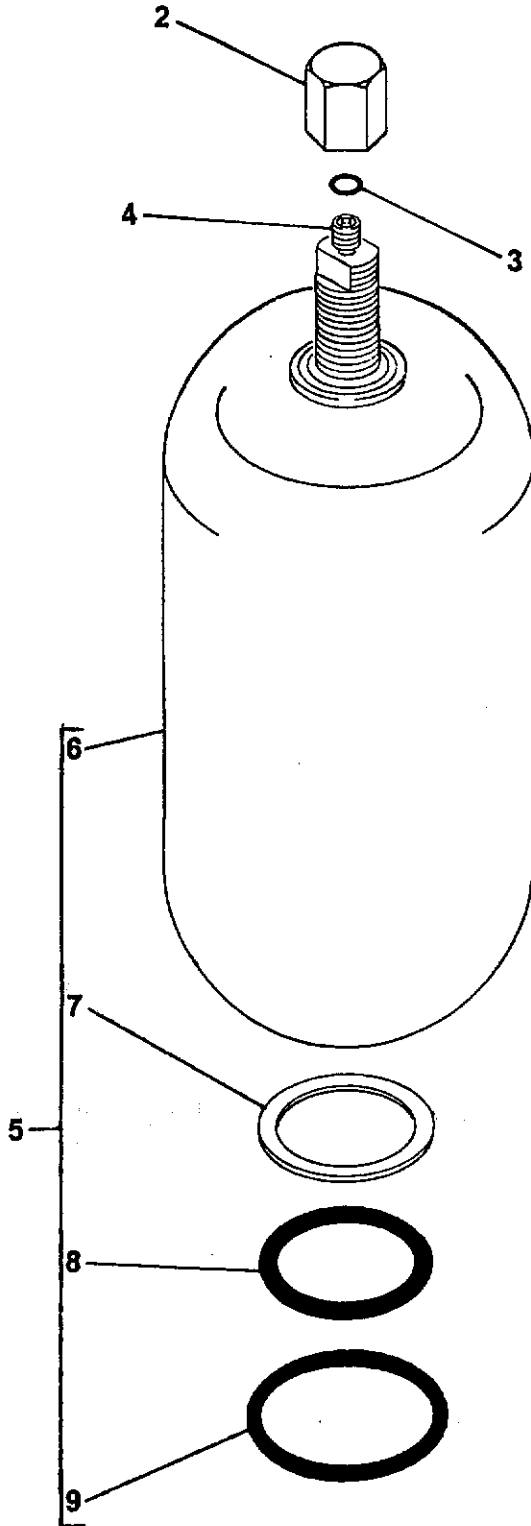
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



ACCUMULATOR BLADDER REPAIR KIT

B50
PARTS
GROUP 30
FIGURE 11
PAGE 01



REED**ACCUMULATOR
BLADDER REPAIR KIT****B50**
PARTS
GROUP 30
FIGURE 11
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	39-11	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	85812	• Kit, Bladder					1
6	74516	• • Bladder, 1 Gal					1
7		• • Ring, Flat					1
8		• • O-Ring					1
9		• • Ring, Back Up					1

DASH (-) ITEM NOT ILLUSTRATED

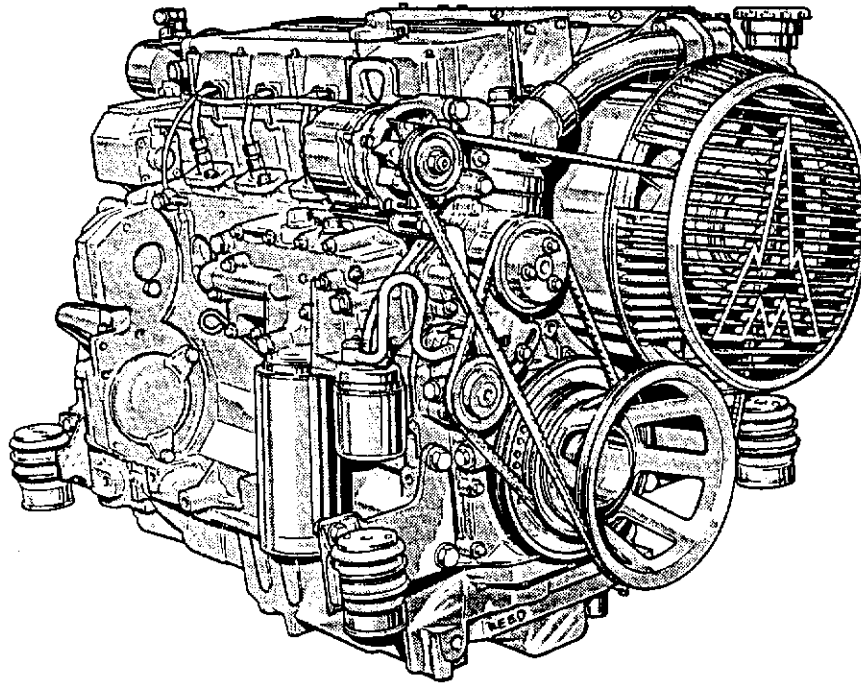
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**TRAILER MOUNTED PUMP MODEL B50
ILLUSTRATED PARTS MANUAL**

B50
PARTS
GROUP 30
FIGURE 12
PAGE 01

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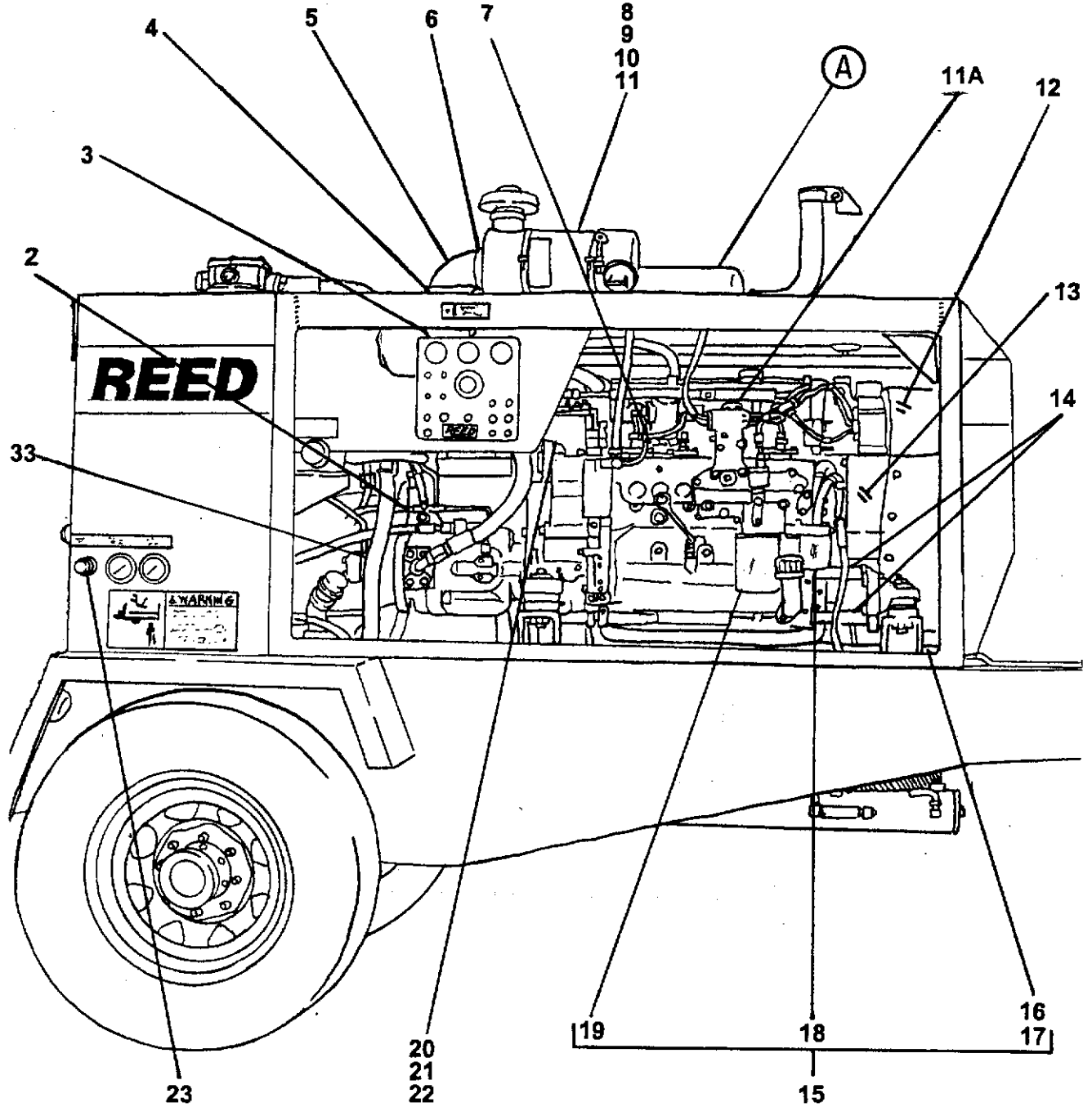
**REED TRAILER MOUNTED CONCRETE PUMP MODEL B50 ILLUSTRATED PARTS
MANUAL GROUP 40 POWER TRAIN INSTALLATION CONTAINS THE FOLLOWING
FIGURES:**

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

REED

POWER TRAIN INSTALLATION

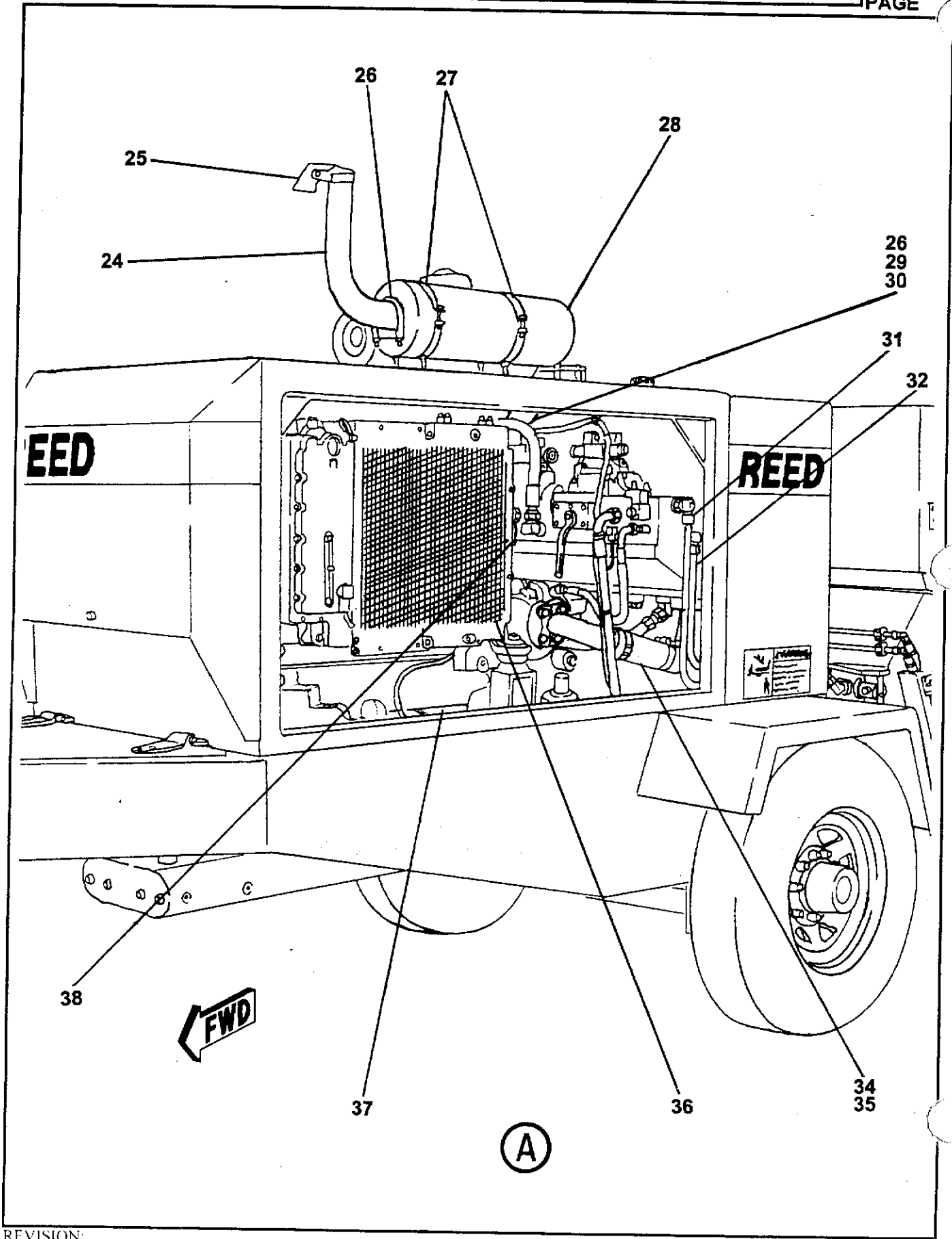
B50
PARTS
GROUP 40
FIGURE 01
PAGE 07



REED

POWER TRAIN INSTALLATION

B50
PARTS
GROUP 40
FIGURE 01
PAGE



REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	40-01	Installation, Power Train (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	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

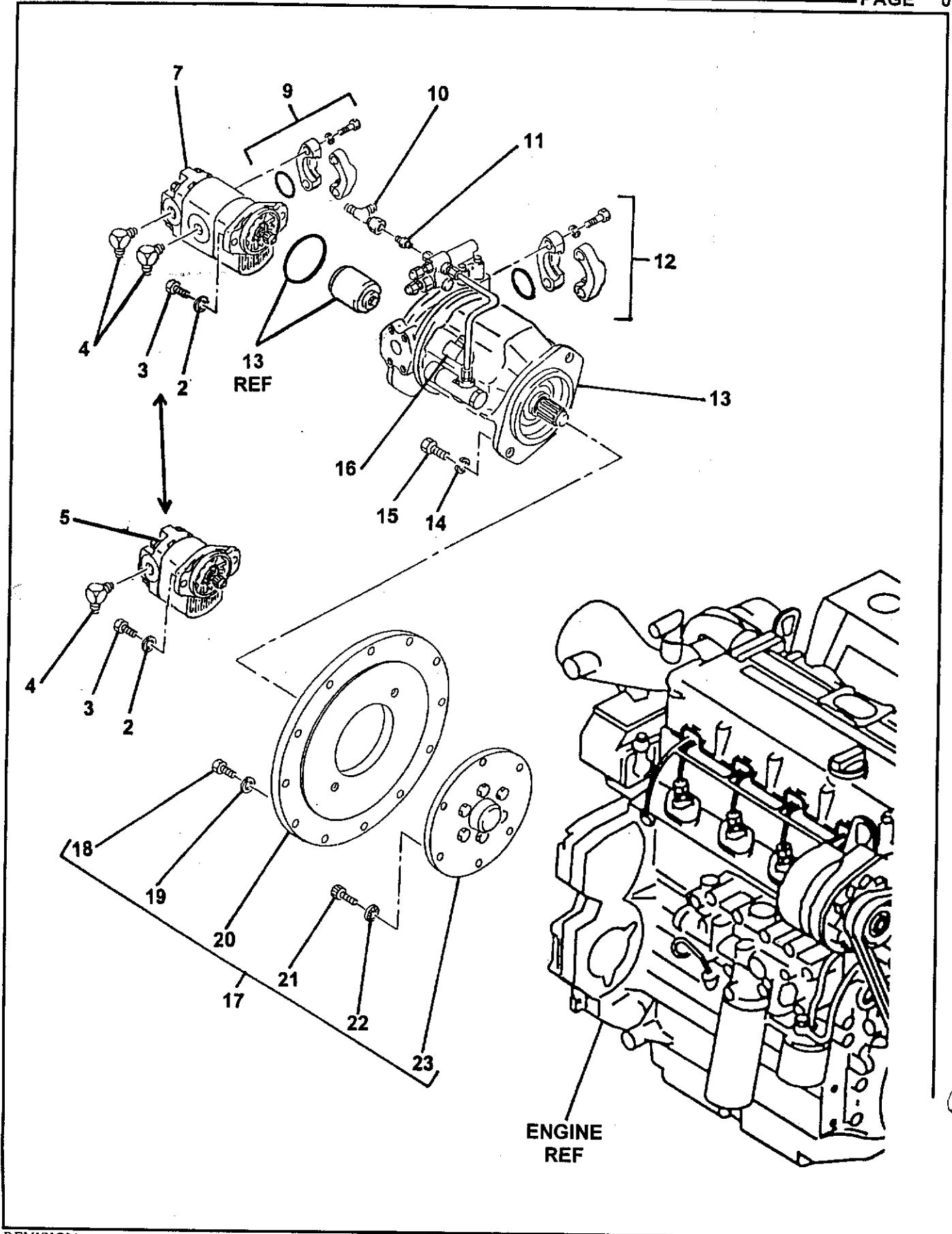
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	40-01	Installation, Power Train (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	40-02	• Assembly, Main and Auxiliary Pumps (See Group 40, Figure 02 for DET)					1
3	78195	• Elbow, 4 Inch Rubber					1
4	77477	• Clamp					4
5	74256	• 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

HYDRAULIC PUMPS ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 02
PAGE 01



REVISION:



POWER TRAIN INSTALLATION

B50
PARTS
GROUP 40
FIGURE 01
PAGE 04

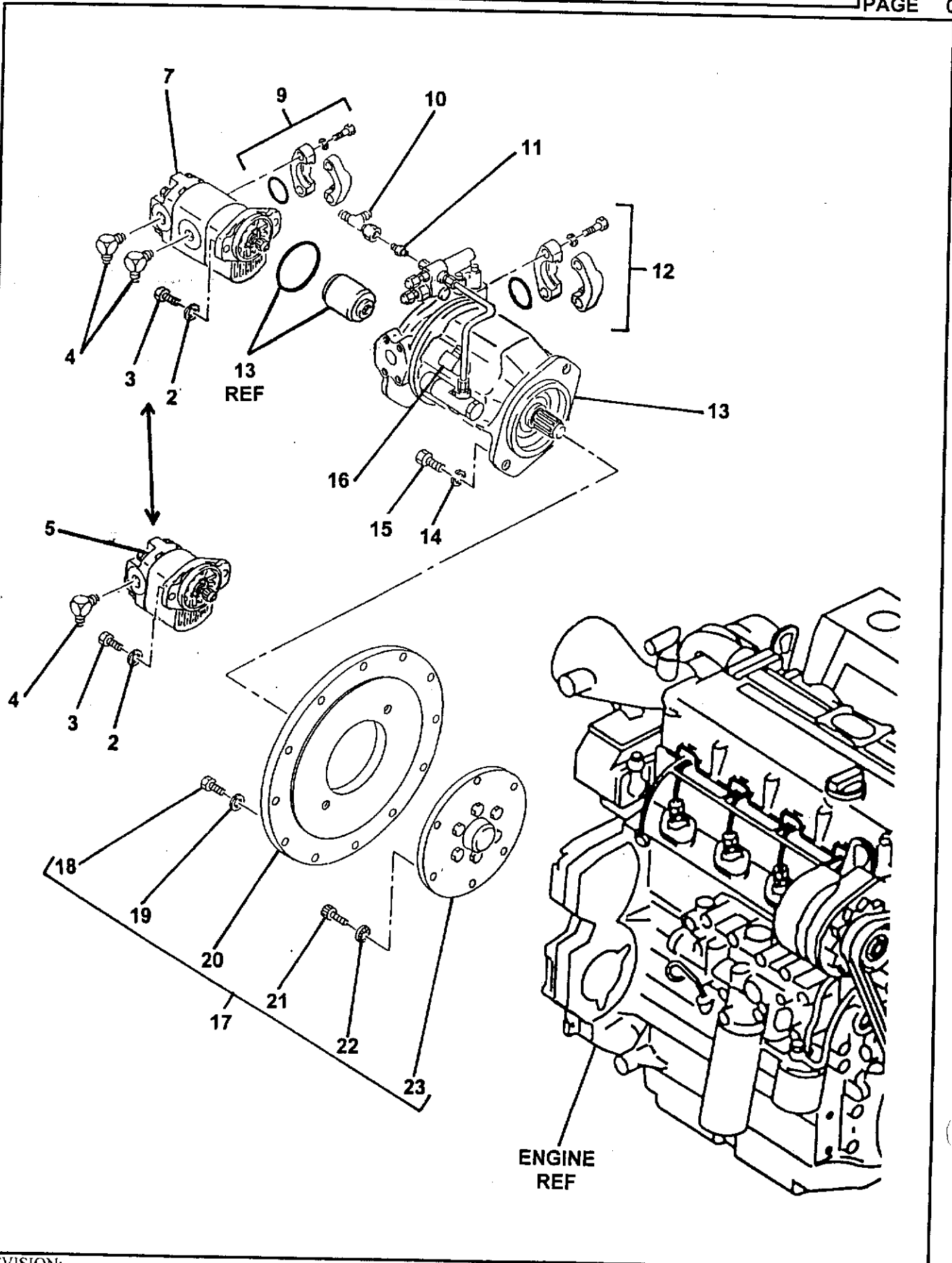
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
24	78212	• Elbow, Exhaust					1
25	70849	• Cap, Rain					1
26	78213	• Clamp <i>MUFFLER</i>					2
27	78211	• Band, Air-Cleaner Mounting <i>650</i>					2
28	78199	• Muffler, Oval					1
29	85741	• Elbow, Exhaust					1
30	76524	• Spacer, Exhaust					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	85670	• Guard, Cooler					1
37	40-06	• Assembly, Battery Mounting (See Group 40, Figure 06 for DET)					1
38	78256	• Bracket, Intake					1
-39	73269	• Strap, Ground					1
-40	85396	• Assembly, Engine Wiring Harness (See Schematic Section, Page 15 for REF)					1

DASH (-) ITEM NOT ILLUSTRATED



HYDRAULIC PUMPS ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 02
PAGE 01





HYDRAULIC PUMPS ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 02
PAGE 02

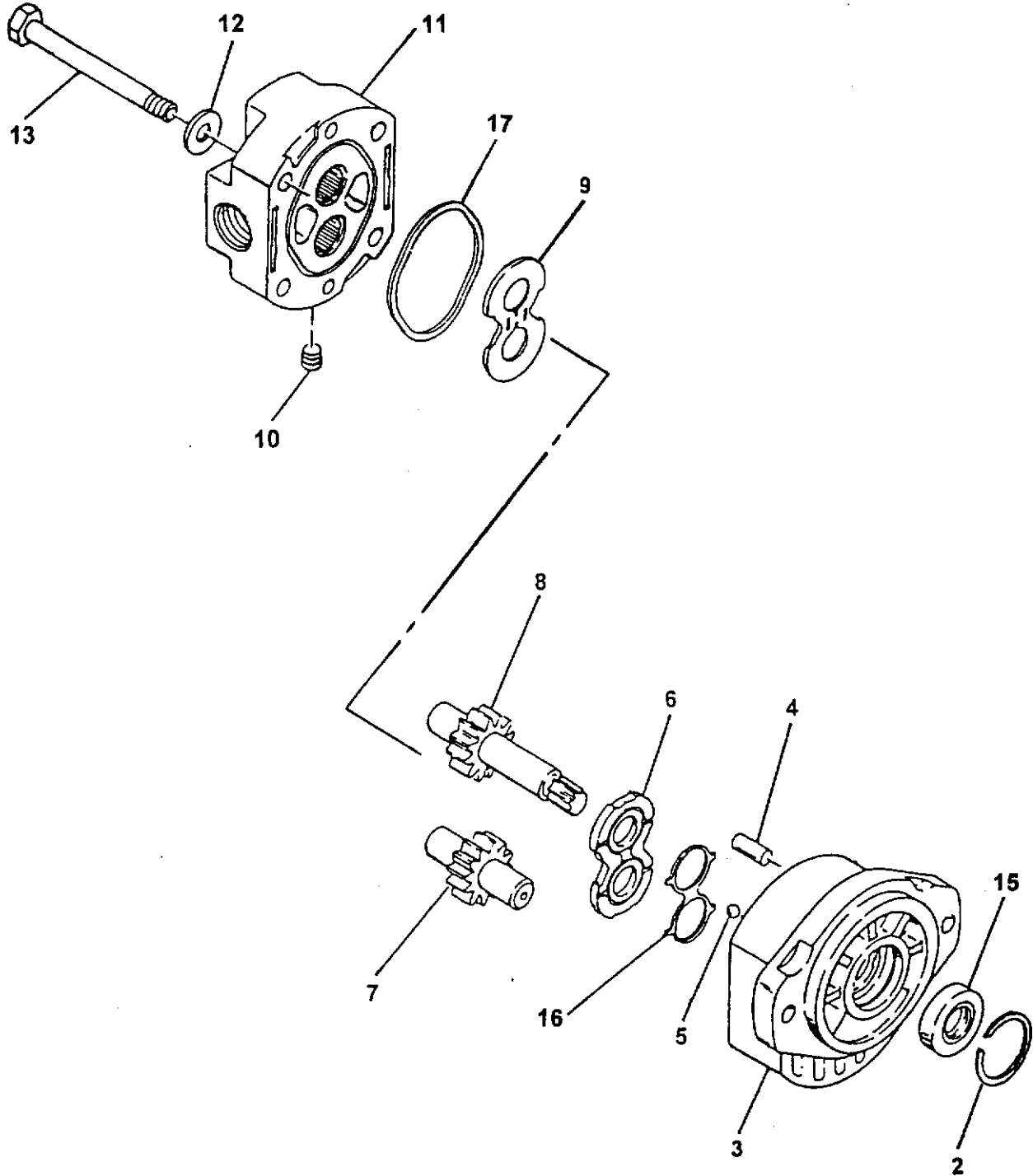
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	40-02	Assembly, Hydraulic Pump (See Group 40, Figure 01 for NHA)					Ref
2		• Washer, Lock					2
3		• Bolt, Hex					2
4		• Fitting, 90					A/R
5	72978	• Assembly, Single Auxiliary Pump (See Group 40, Figure 04 for DET)					1
-6	85675	• Assembly, Optional Pump					1
7	73150 87153	• • 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	85124	• Assembly, B50 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	85126	• Assembly, Flywheel Coupling					1
18		• • Bolt, Hex					12
19		• • Washer, SPL					12
20		• • Plate, Flywheel					1
21		• • Screw					6
22		• • Washer					6
23	87144	• • Drive, Flywheel For 1012-2012					1
-24	78256	• Bracket, Air Intake					1

DASH (-) ITEM NOT ILLUSTRATED



SINGLE AUXILIARY PUMP ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 03
PAGE 0



REVISION:

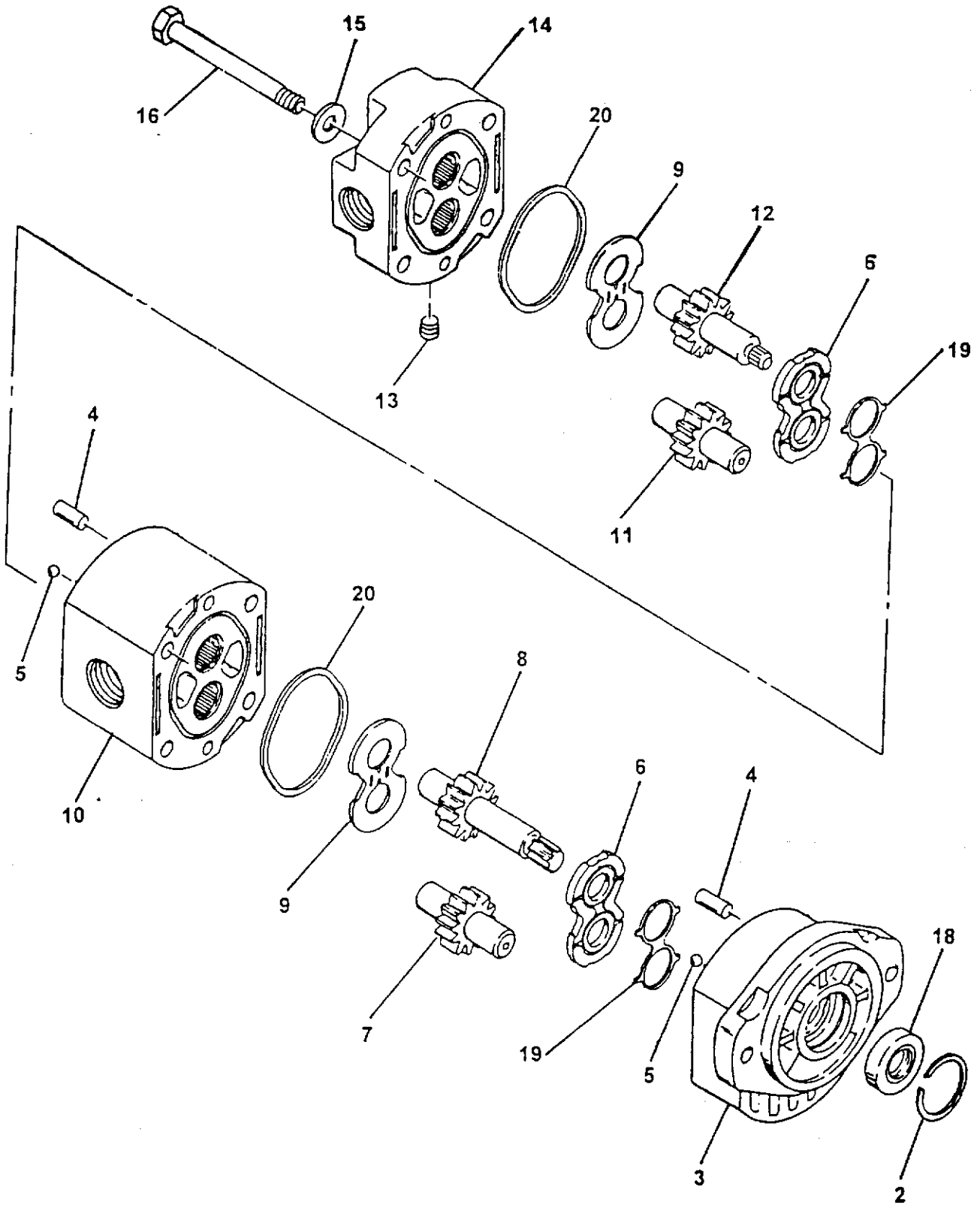
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	72978	Assembly, Single Auxiliary Pump (See Group 40, Figure 02 for NHA)					Ref
2		• Retainer					1
3		• Assembly, Body					1
4		• Pin, Dowel					2
5		• Bearing, Ball					2
6		• Plate, Wear					1
7		• Gear, Driven					1
8		• Gear, Drive		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

DASH (-) ITEM NOT ILLUSTRATED

REED

DOUBLE AUXILIARY PUMP ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 04
PAGE 01



REVISION:



DOUBLE AUXILIARY PUMP ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 04
PAGE 02

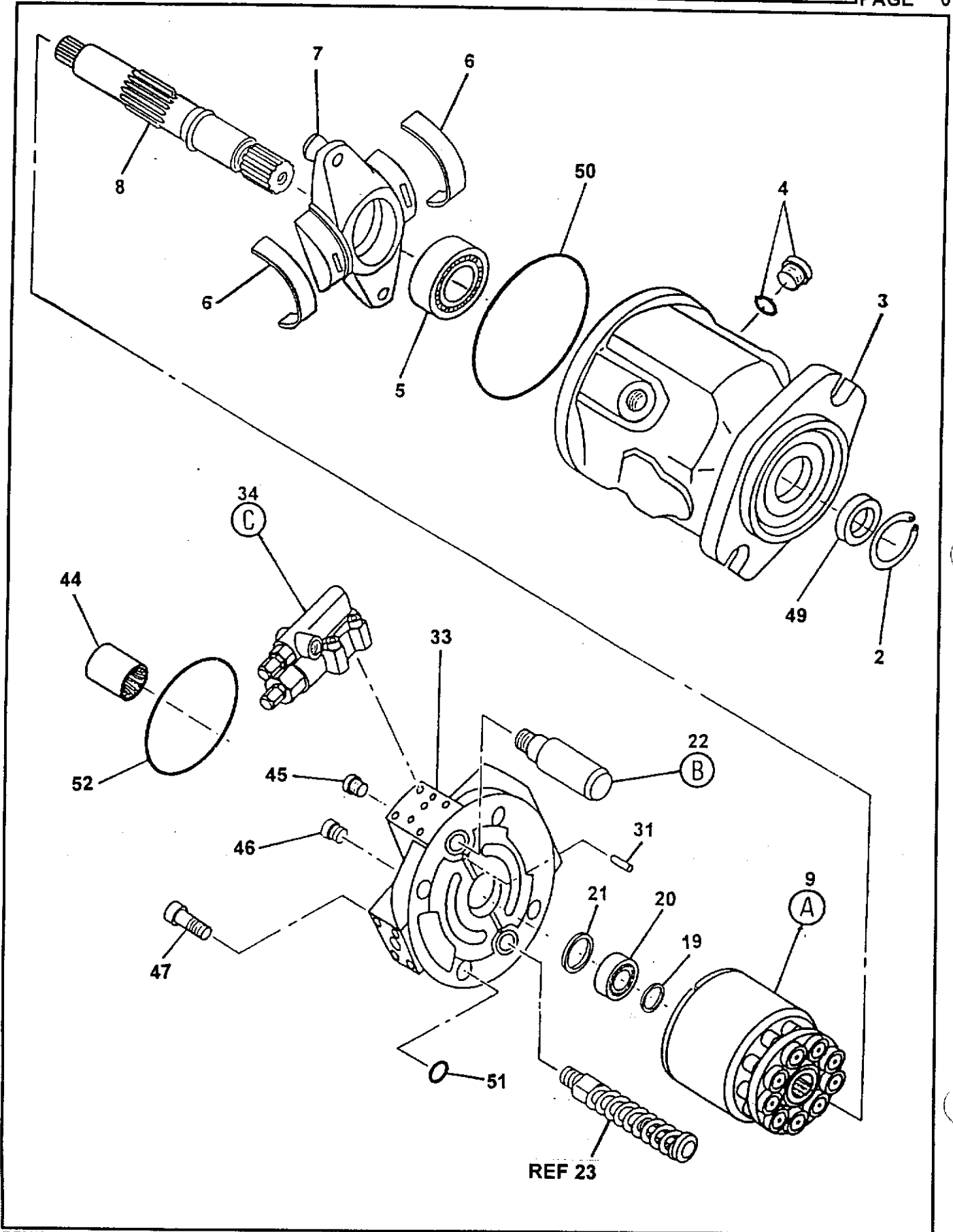
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	73156	Assembly Double Auxiliary Pump (See Group 40, Figure 02 for NHA)					Ref
2		• Retainer					1
3		• Assembly, Body					1
4		• Pin, Dowel					4
5		• Bearing, Ball					4
6		• Plate, Wear					2
7		• Gear, Driven					1
8		• Gear, Drive					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

REED

MAIN PUMP ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 05
PAGE 01



REVISION:



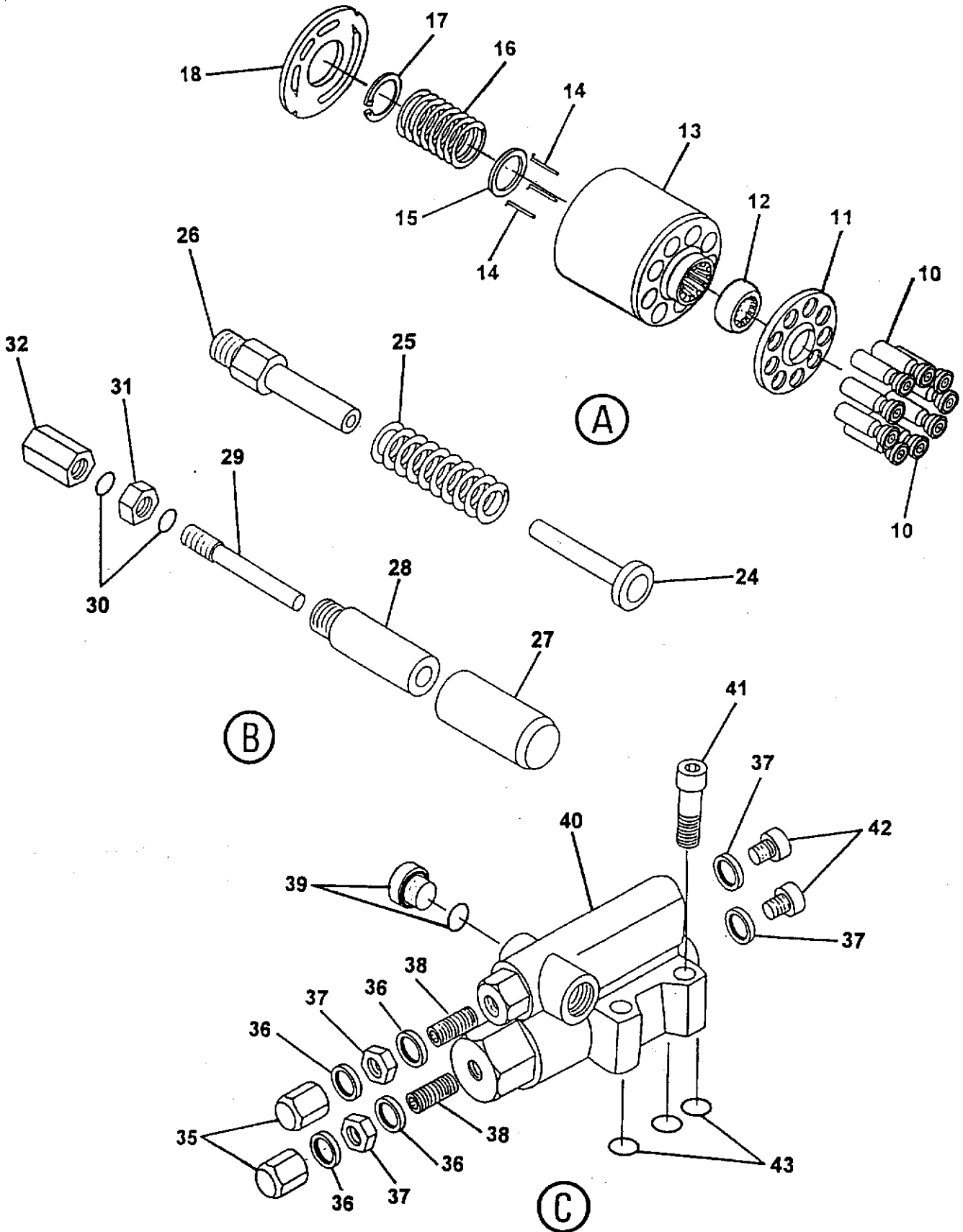
MAIN PUMP ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 05
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85124	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

REVISION:



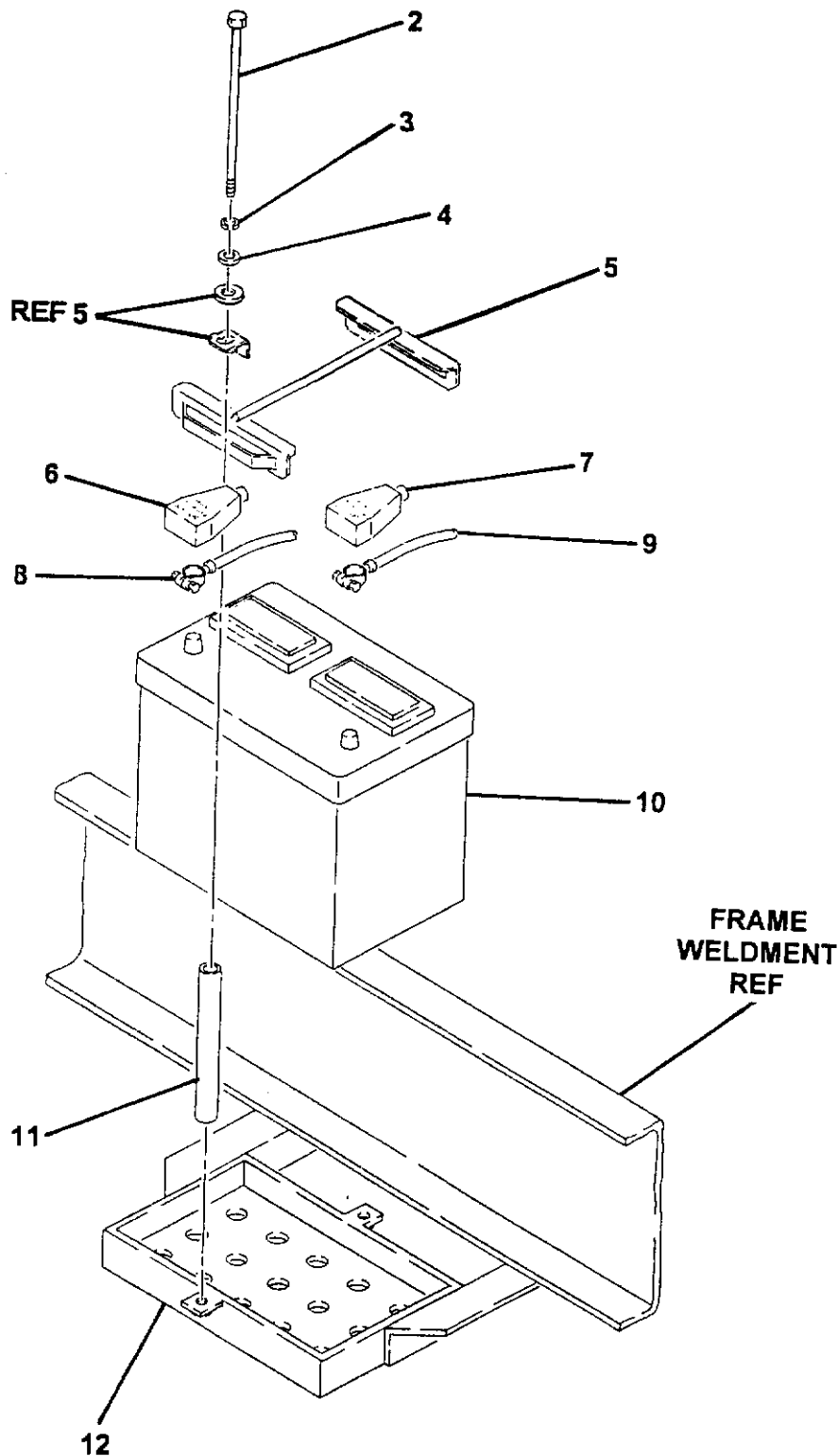
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-9		• Assembly, Rotary					1
10		• • Piston					9
11		• • Plate, Retaining					1
12		• • Ball, Retaining					1
13		• • Barrel					1
14		• • Pin, Pressure					3
15		• • Disc, Retaining Clip					1
16		• • Spring					1
17		• • Ring, Retaining					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

REED

BATTERY MOUNTING ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 06
PAGE 0





BATTERY MOUNTING ASSEMBLY

B50
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:

REED

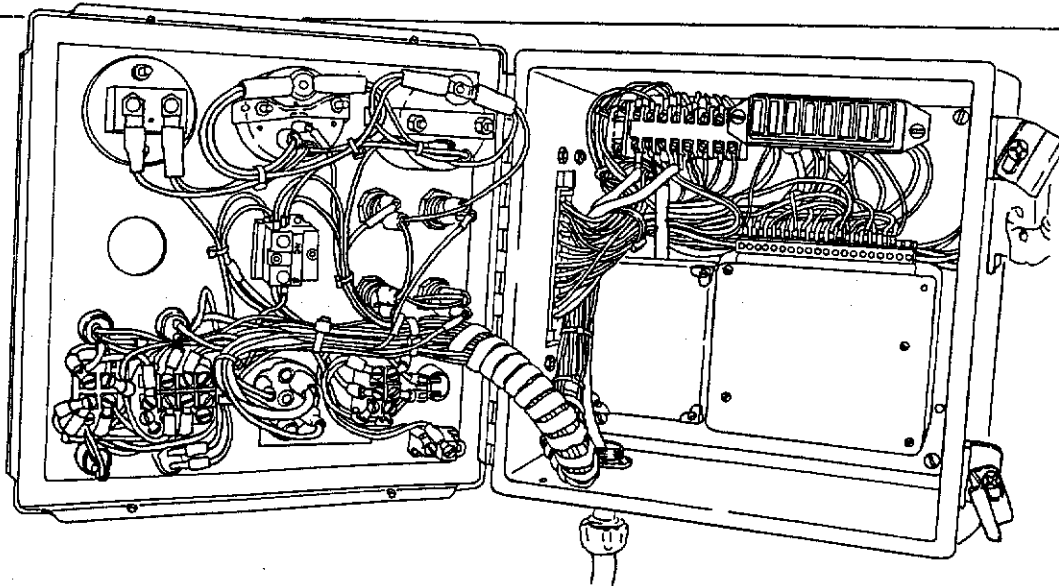
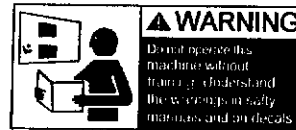
**TRAILER MOUNTED PUMP MODEL B50
ILLUSTRATED PARTS MANUAL**

B50
PARTS
GROUP 40
FIGURE 07
PAGE 01

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

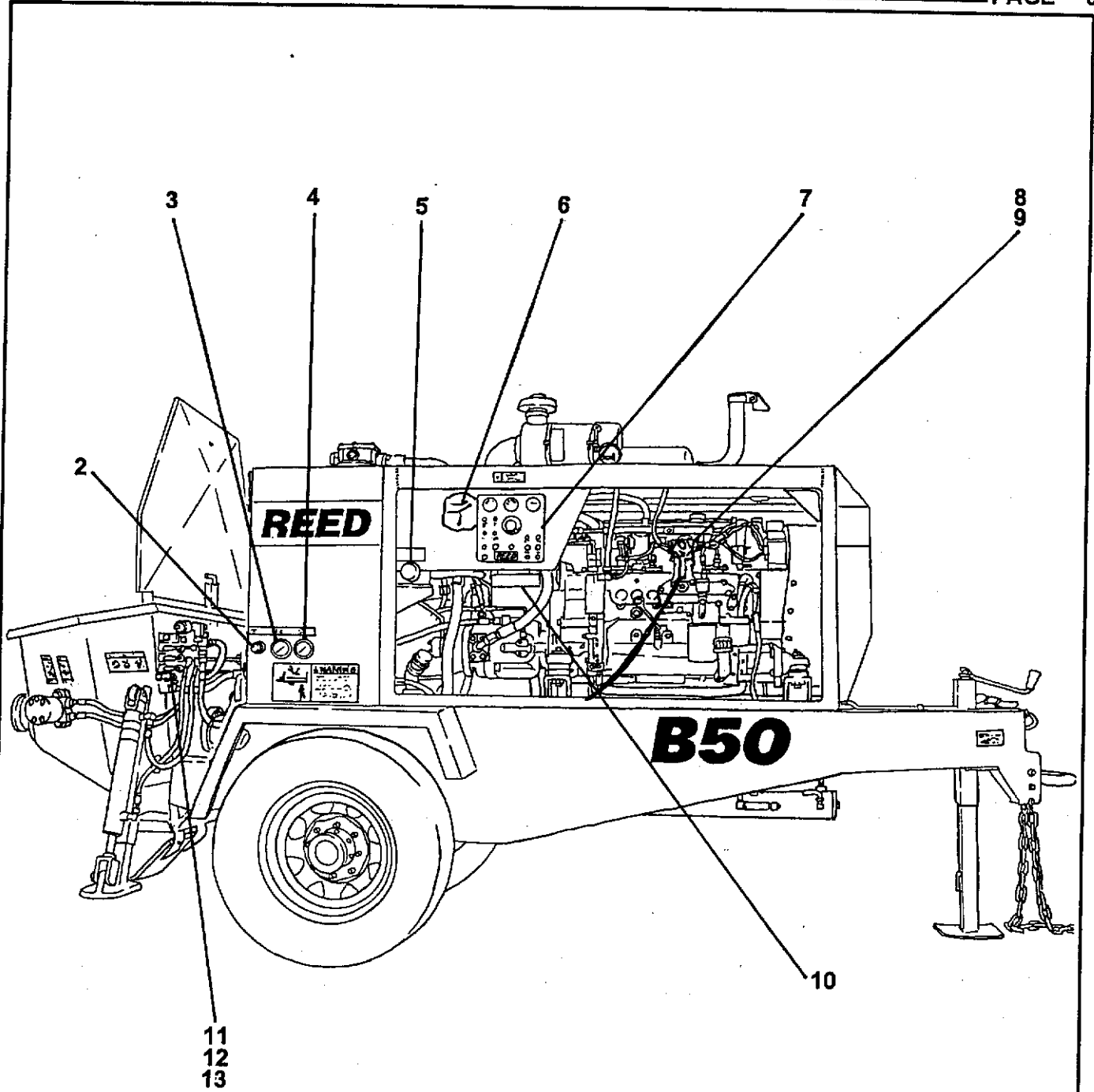
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** CONTROLS INSTALLATION
- FIGURE 02** CONTROL BOX ASSEMBLY
- FIGURE 03** 50 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 04** 100 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 05** RADIO REMOTE CONTROL ASSEMBLY





CONTROL INSTALLATION

B50
PARTS
GROUP 50
FIGURE 01
PAGE 01



SHOWN MODEL
HARSH MIX HOPPER UNIT

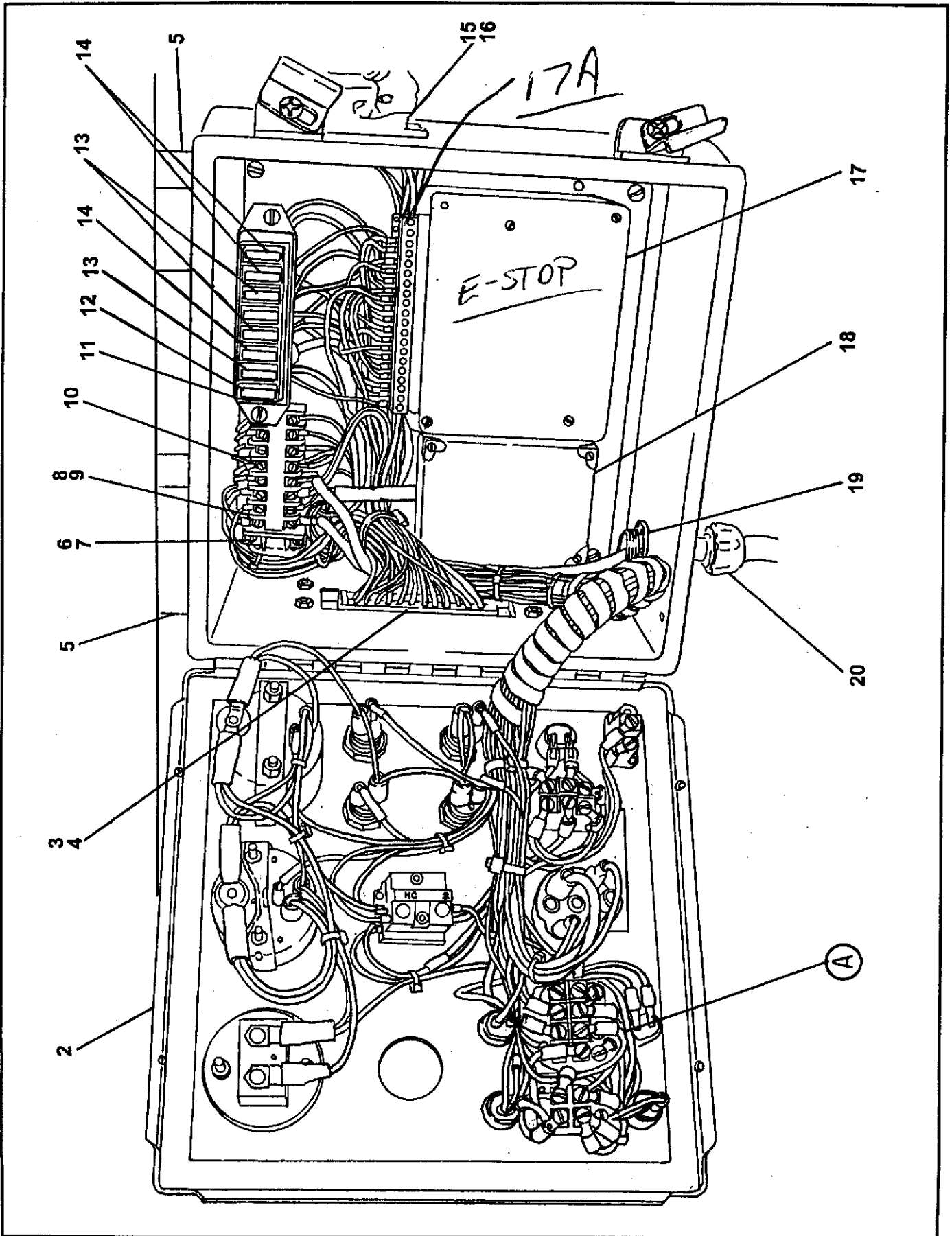
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	50-01	Installation, Control (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	78201	• Cable, Throttle Control (See Group 40, Figure 01 for REF)					1
3	70366	• Gauge, 3,000 PSI Hydraulic (See Group 30, Figure 02 for REF)					1
4	74562	• 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

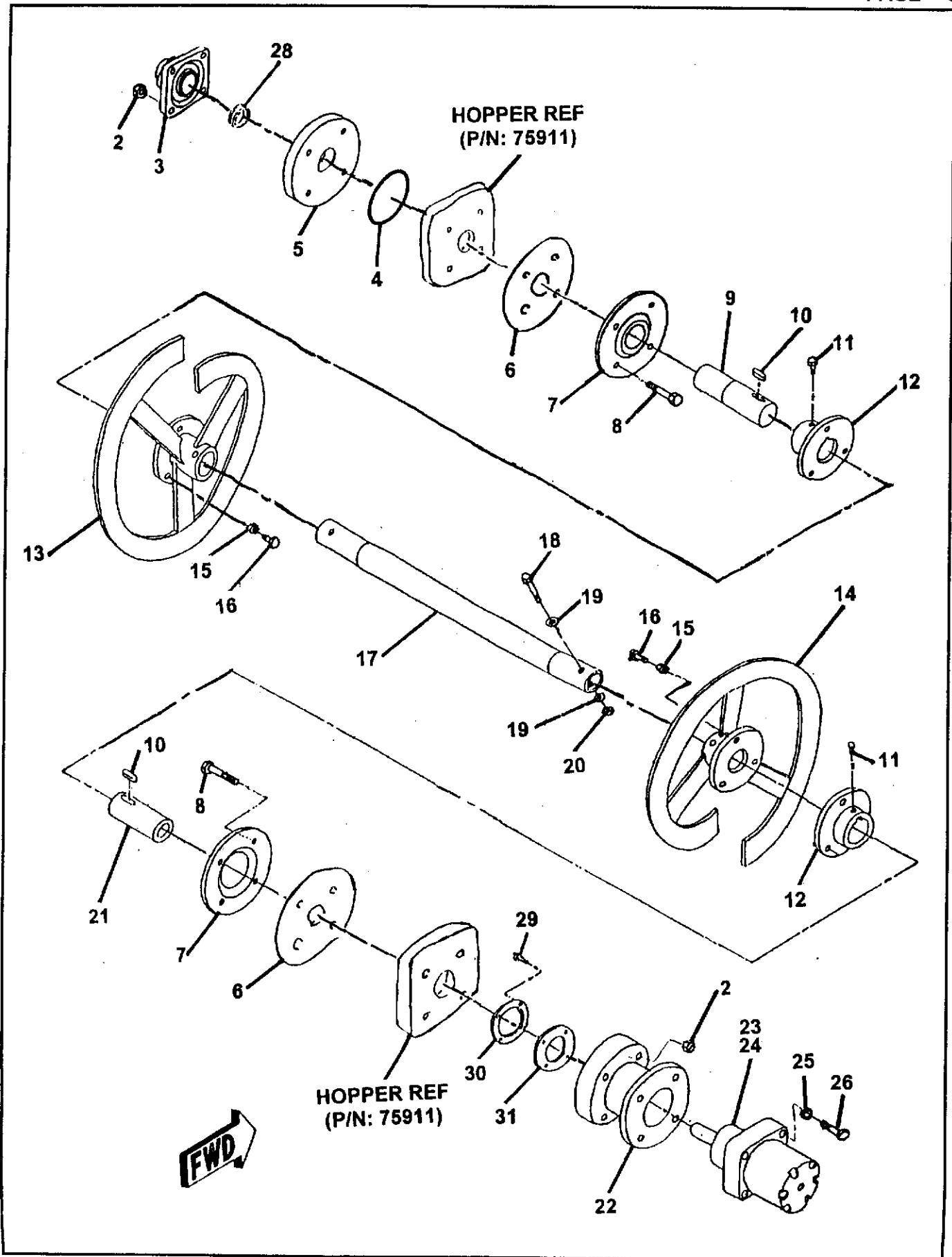
B50
PARTS
GROUP 50
FIGURE 02
PAGE 01



REED

HARSH MIX HOPPER AGITATOR ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 06
PAGE 01

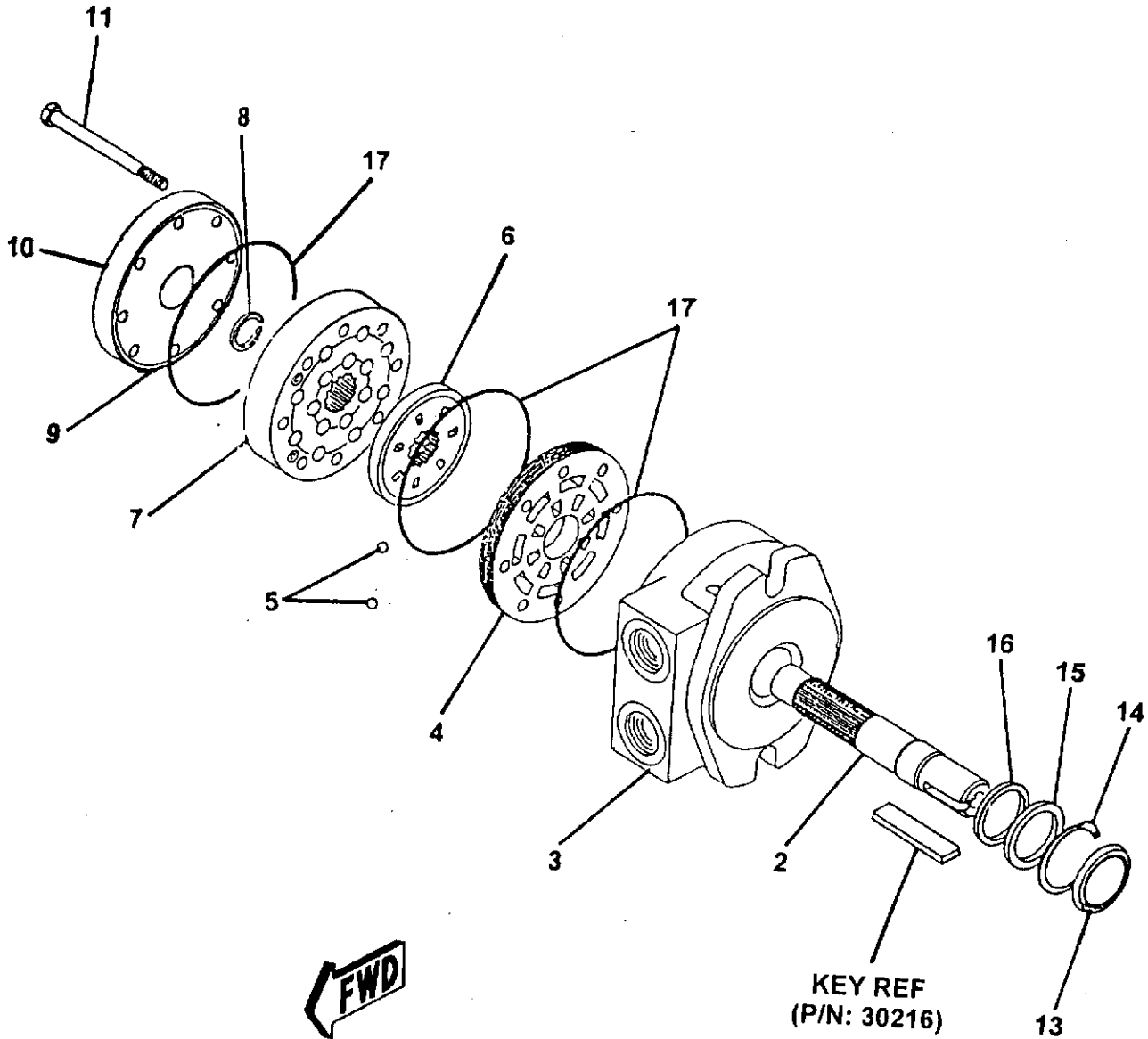


REVISION:

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	20-06	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

**AGITATOR BUILT
BEFORE NOVEMBER 1999**





**STANDARD HOPPER
AGITATOR MOTOR ASSEMBLY**

B50
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

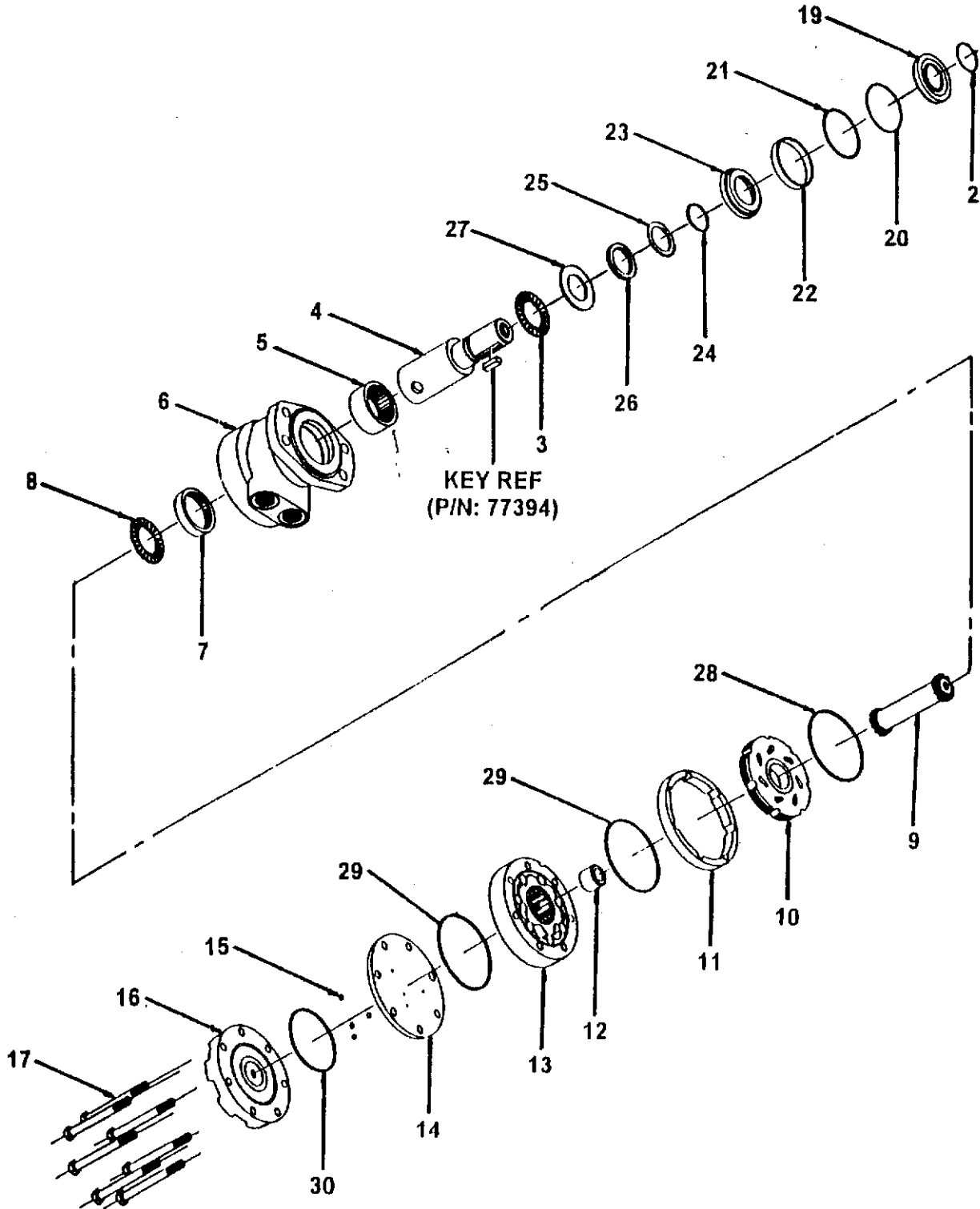
DASH (-) ITEM NOT ILLUSTRATED



AGITATOR MOTOR ASSEMBLY

B50
PARTS
GROUP 20
FIGURE07A
PAGE 01

**AGITATOR BUILT
AFTER NOVEMBER 1999**





AGITATOR MOTOR ASSEMBLY

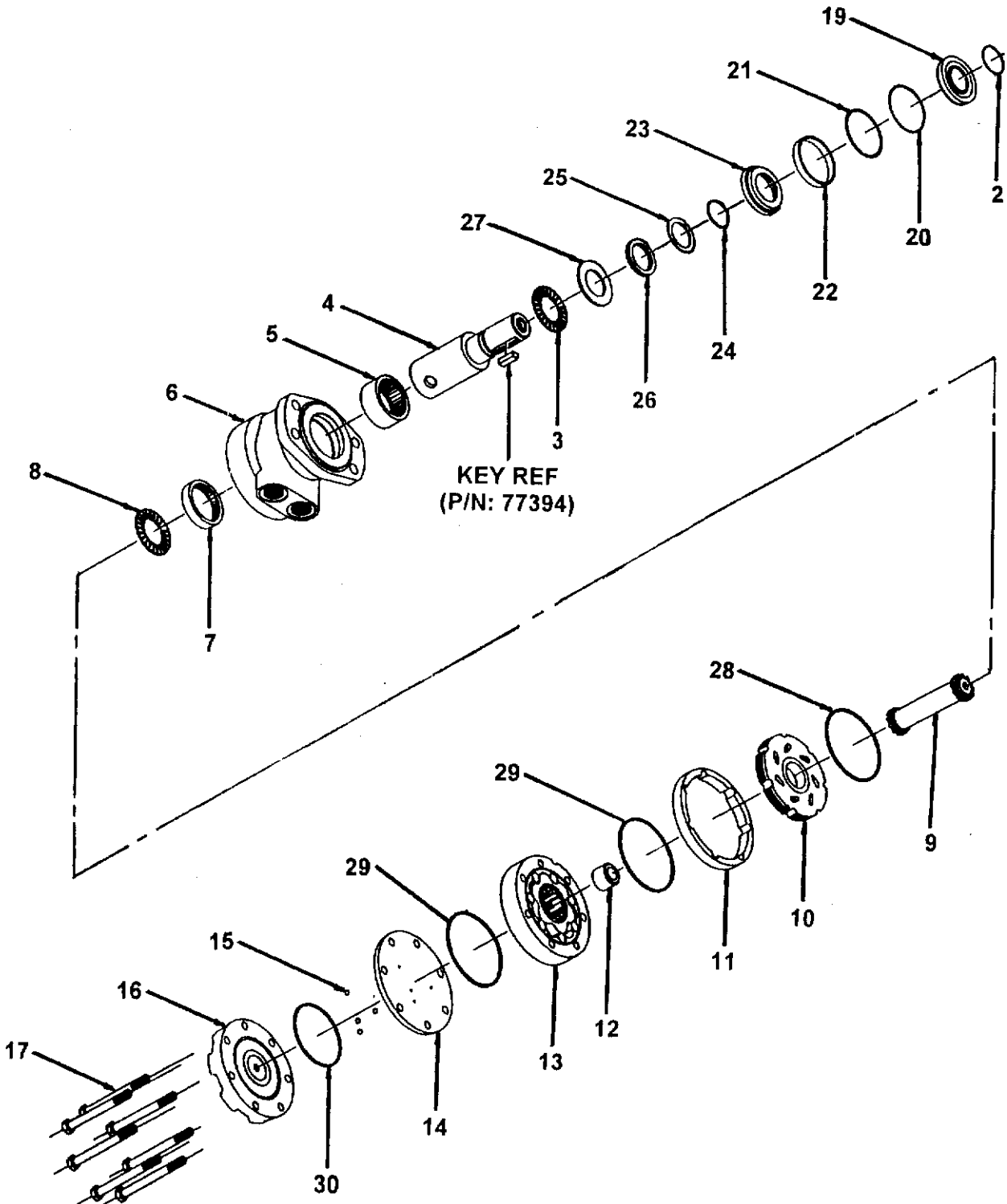
B50
PARTS
GROUP 20
FIGURE07A
PAGE 02

AGITATOR BUILT AFTER NOVEMBER 1999

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85811	Assembly, B50 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



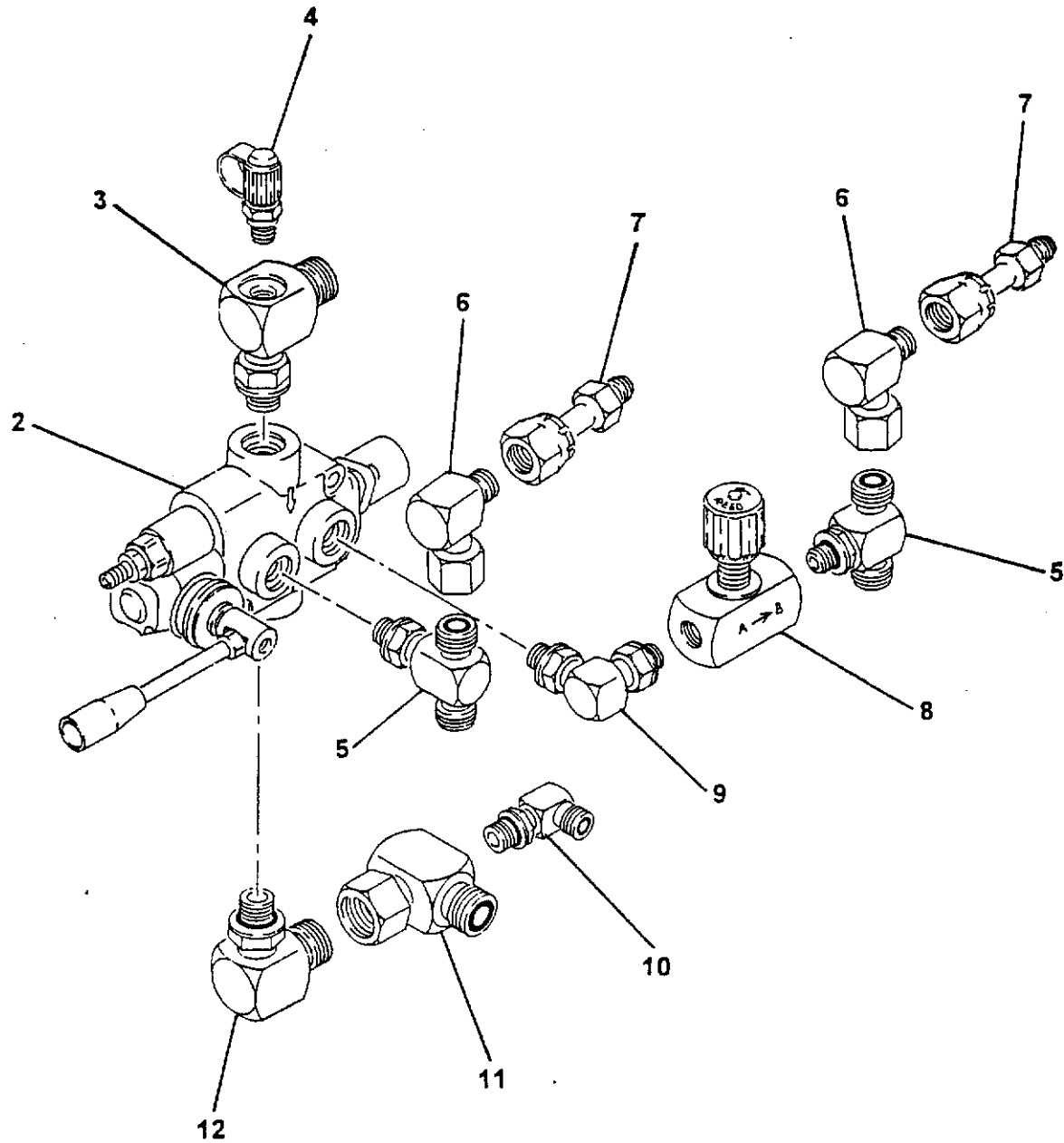
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	73750	Assembly, White Agitator Motor (See Group 20, Figure 06 for NHA)					Ref
	73750A	Assembly, Nichols Agitator Motor (See Group 20, Figure 06 for NHA)					Ref
2		• Ring, Wire					1
3		• Bearing, Front Thrust					1
4		• Kit, Shaft					1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

REED

AGITATOR CONTROL VALVE ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 09
PAGE



REVISION:



AGITATOR CONTROL VALVE ASSEMBLY

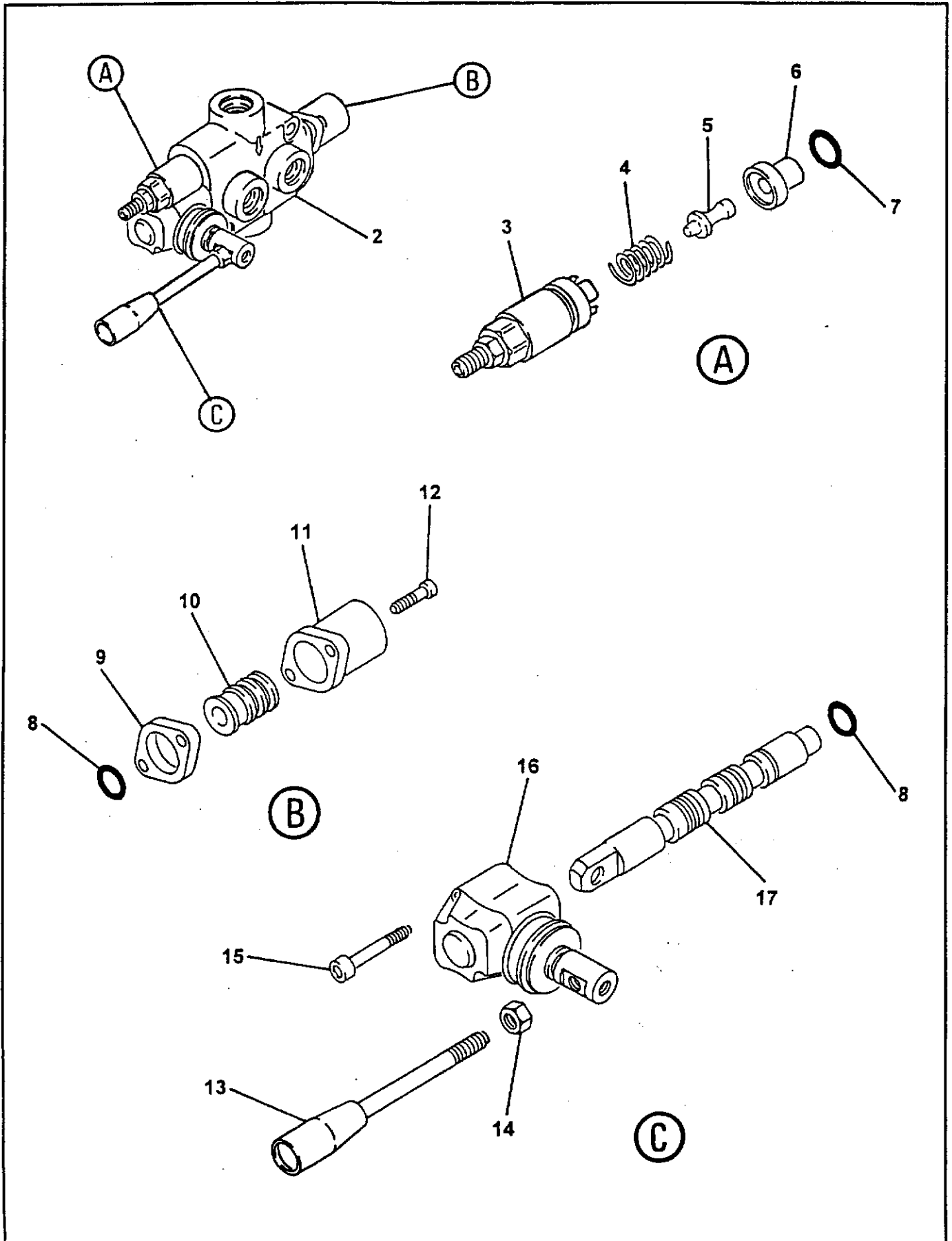
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-09	Assembly, Agitator Control Valve (See Group 20, Figure 01 and Figure 02 for NHA)	Ref
2	74584	• Sub-Assembly, Agitator Control Valve (See Group 20, Figure 10 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		•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

REED

**AGITATOR CONTROL
VALVE SUB-ASSEMBLY**





AGITATOR CONTROL VALVE SUB-ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 10
PAGE 02

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

REVISION:

REED

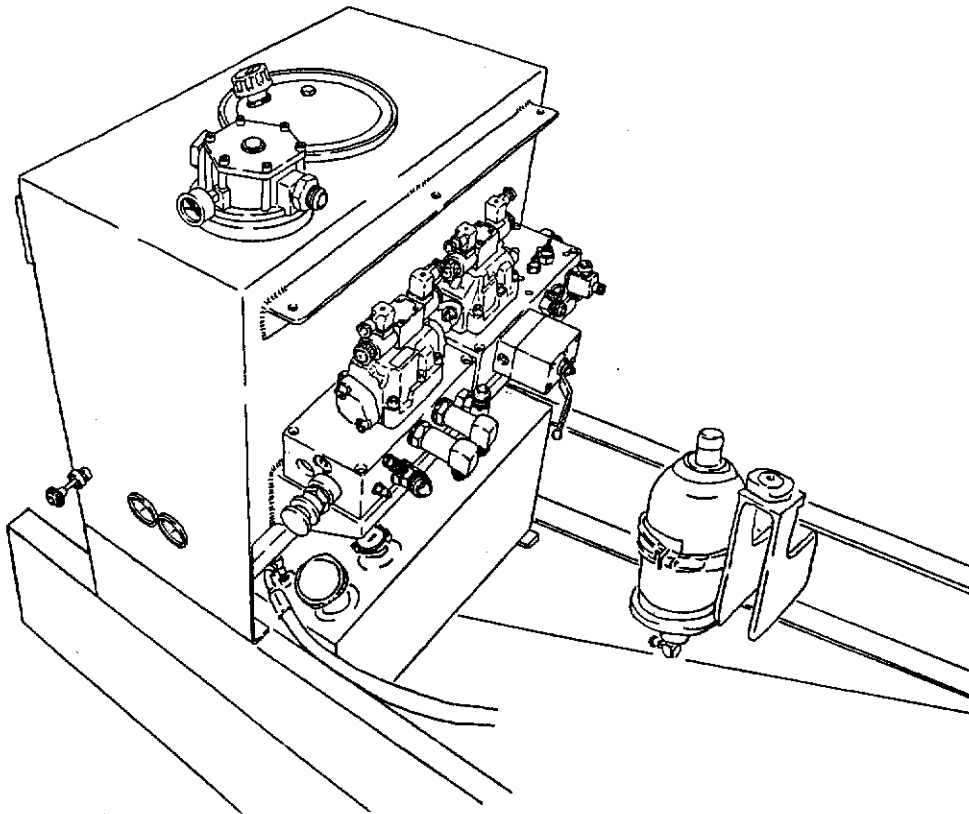
**TRAILER MOUNTED PUMP MODEL B50
ILLUSTRATED PARTS MANUAL**

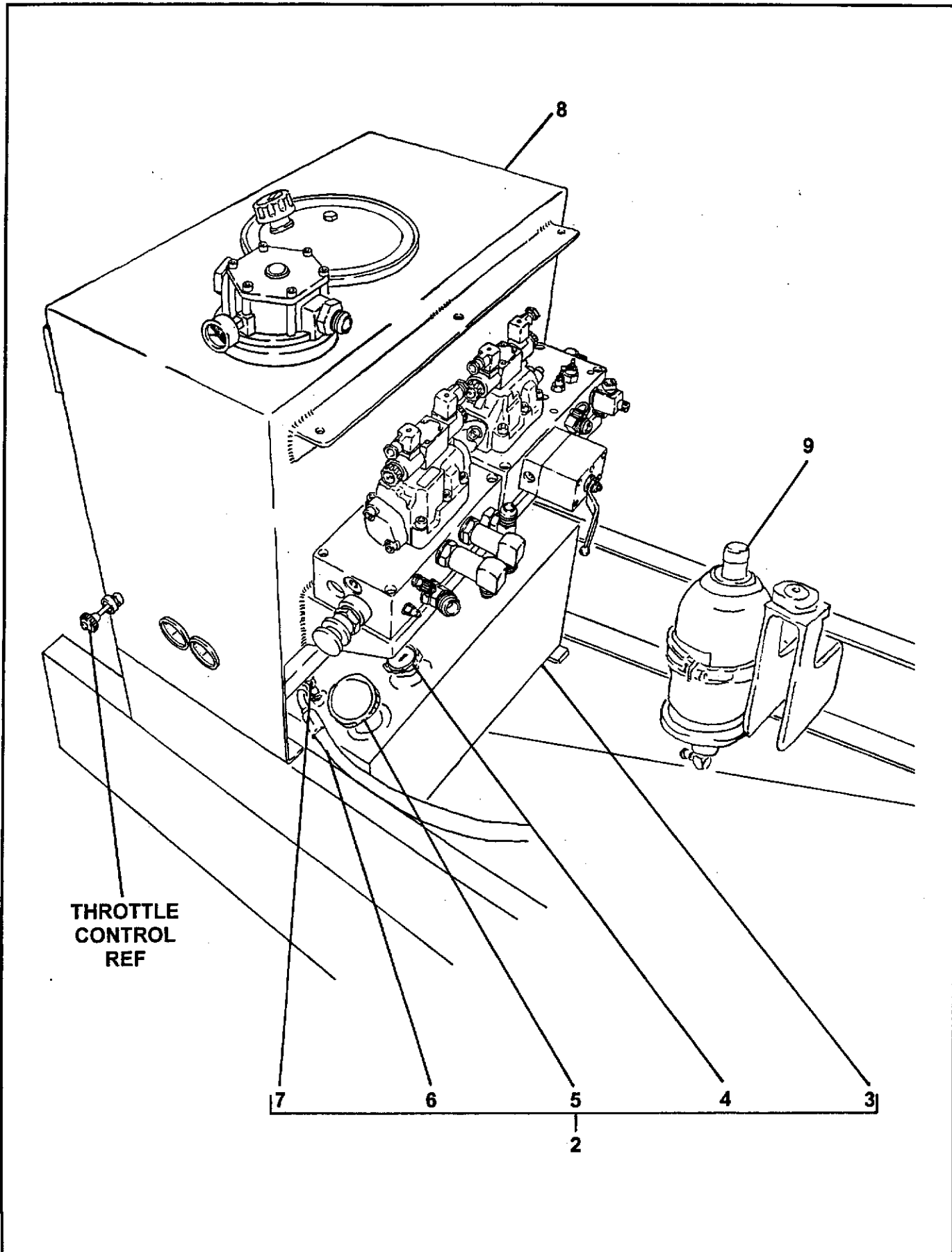
B50
PARTS
GROUP 20
FIGURE 11
PAGE 05

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

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





REED**TANK INSTALLATION**

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, B50 Hose (See SCHEMATIC Section, Page 17 for DET)					1

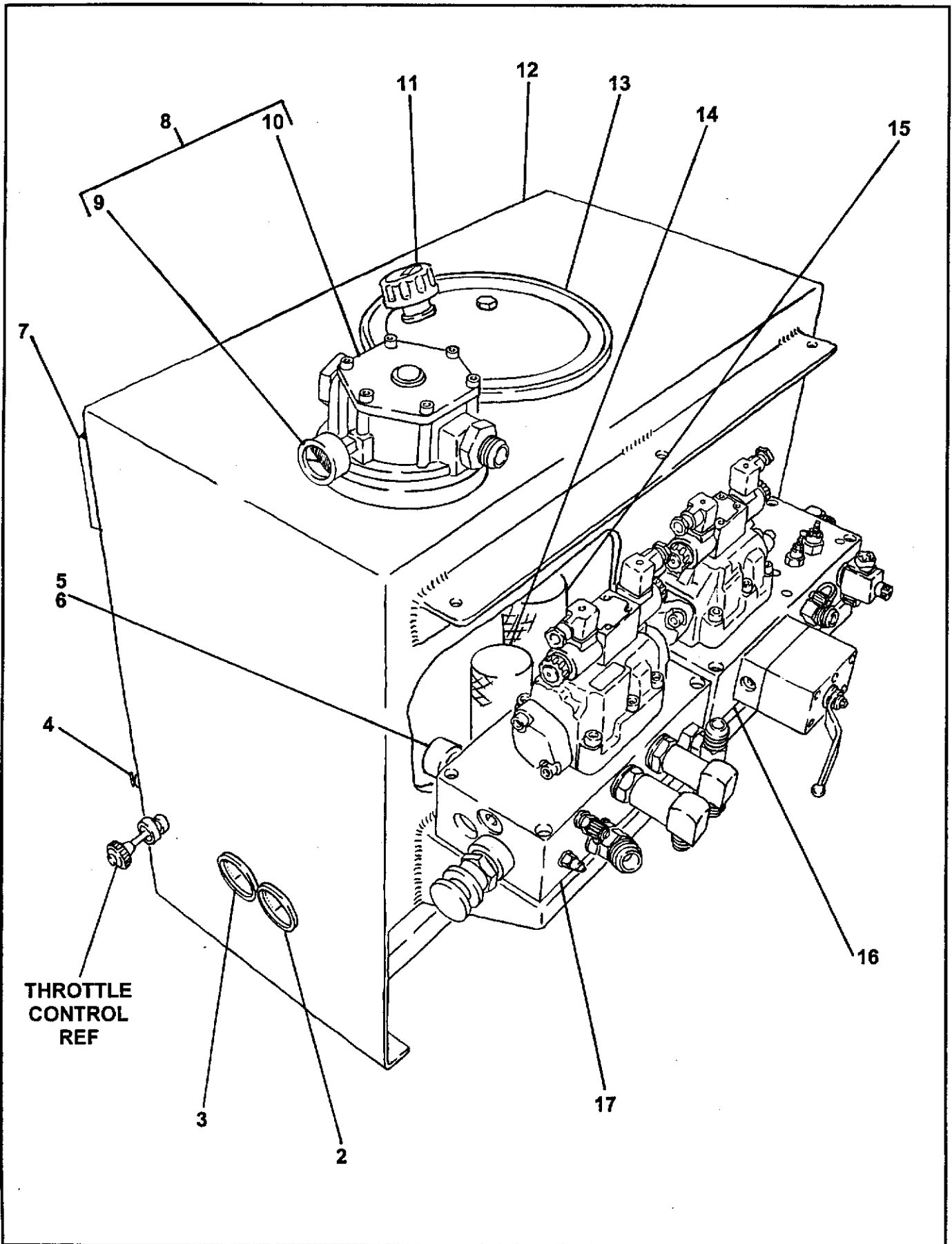
DASH (-) ITEM NOT ILLUSTRATED

REVISION:

REED

HYDRAULIC TANK ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 02
PAGE 01



REVISION:

REED**HYDRAULIC TANK ASSEMBLY****B50**
PARTS
GROUP 30
FIGURE 02
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85361	Assembly, Hydraulic Tank (See Group 30, Figure 01 for NHA)					Ref
2	70366	• Gauge, 3,000 PSI Hydraulic					1
3	74562	• Gauge, 6,000 PSI Hydraulic					1
4	801025	• Cock, Drain					1
5	85574	• Valve, 2 Inch Check					1
6	10981	• Nipple, 2 Inch					1
7	74509	• Gauge, Sight					1
8	85282	• Filter, Return					1
9	85575	• • Gauge, Return Filter					1
10	85283	• • Element, Return Filter					1
11	85537	• Filler, Breather					1
12	85102	• Weldment, Hydraulic Tank					1
13	85522	• • Baffle, Hydraulic Tank					1
14	79247	• Separator, Magnetic					1
15	800230	• Separator, Magnetic					1
16	85249	• Assembly, Swing Tube Circuit Manifold (See Group 30, Figure 03 for DET)					1
17	85248	• Assembly, Drive Cylinder Circuit Manifold (See Group 30, Figure 07 for DET)					1
-18	78598	• Plug, Hoffman					A/R

DASH (-) ITEM NOT ILLUSTRATED

85867 GASKET FOR HYD TANK LID

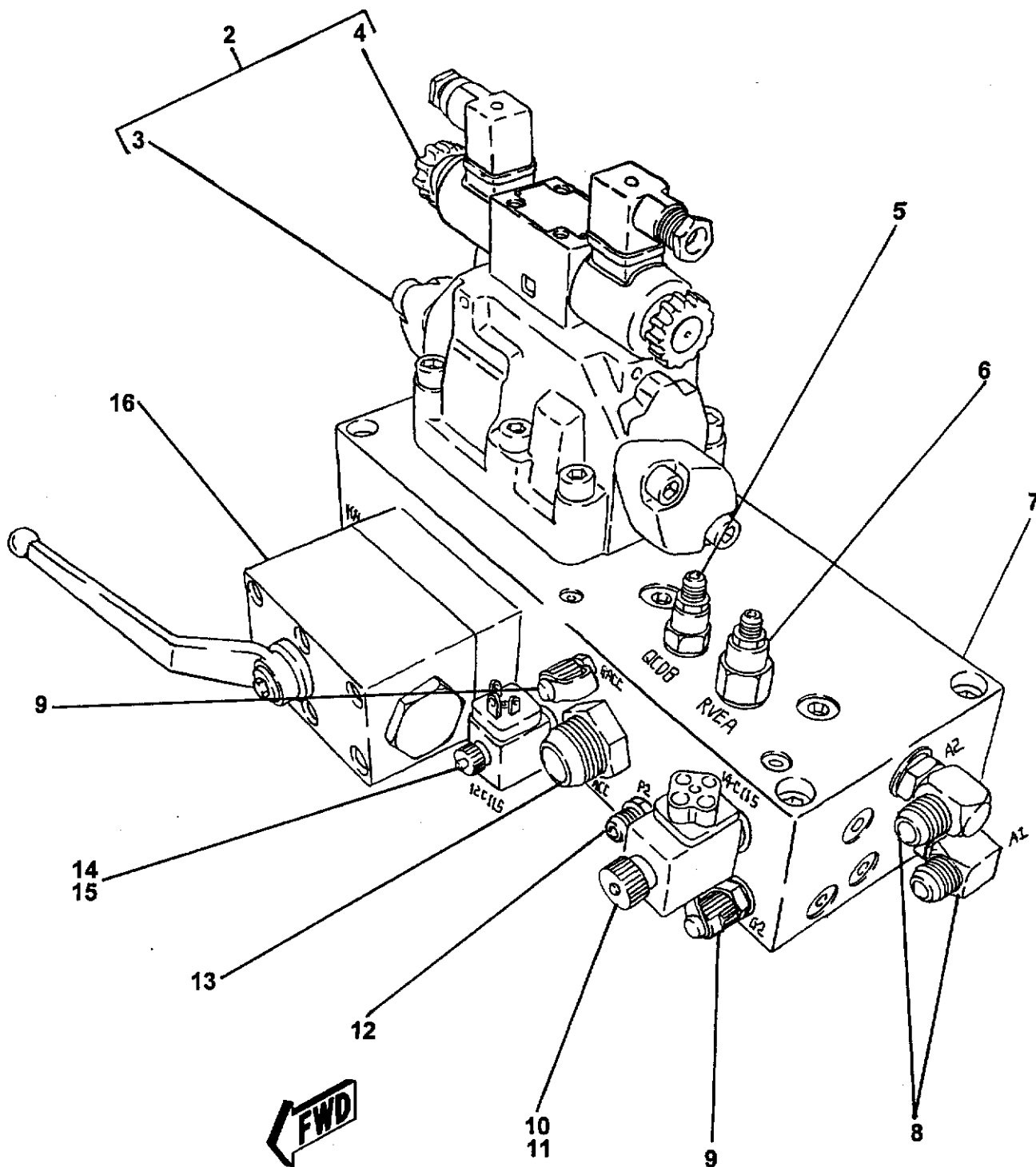
85827 LID HYD TANK

REVISION:



SWING TUBE CIRCUIT MANIFOLD ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 03
PAGE 01



REVISION:

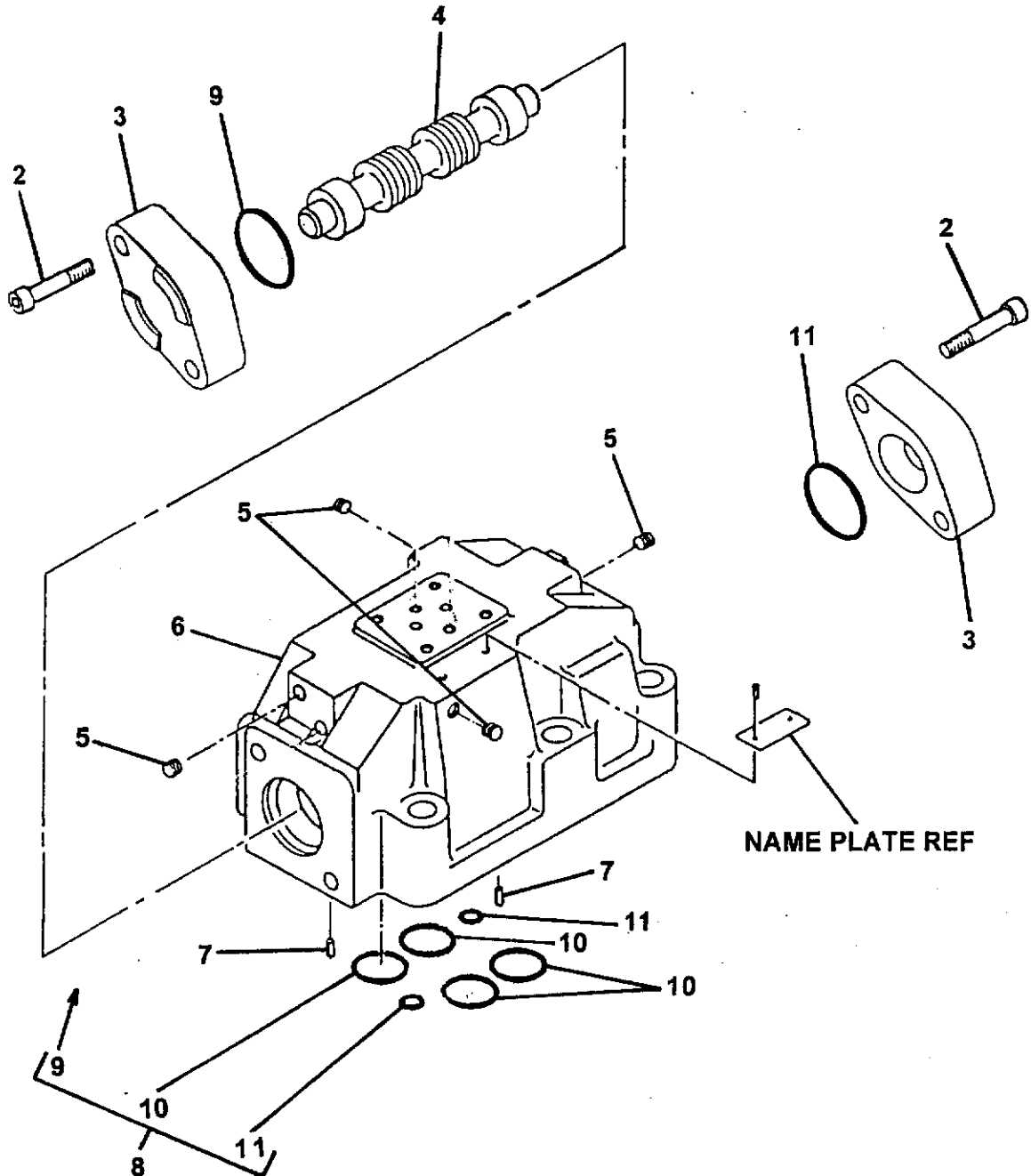
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85249	Assembly, Swing Tube Circuit Manifold (See Group 30, Figure 02 for NHA)					Ref
2	85693	• Assembly, Swing Tube Circuit Solenoid Valve					1
3	85694	• • Assembly, Swing Tube Circuit Main Solenoid Valve (See Group 30, Figure 04 for DET)					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 87247					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

B50
PARTS
GROUP 30
FIGURE 04
PAGE 01



REVISION:

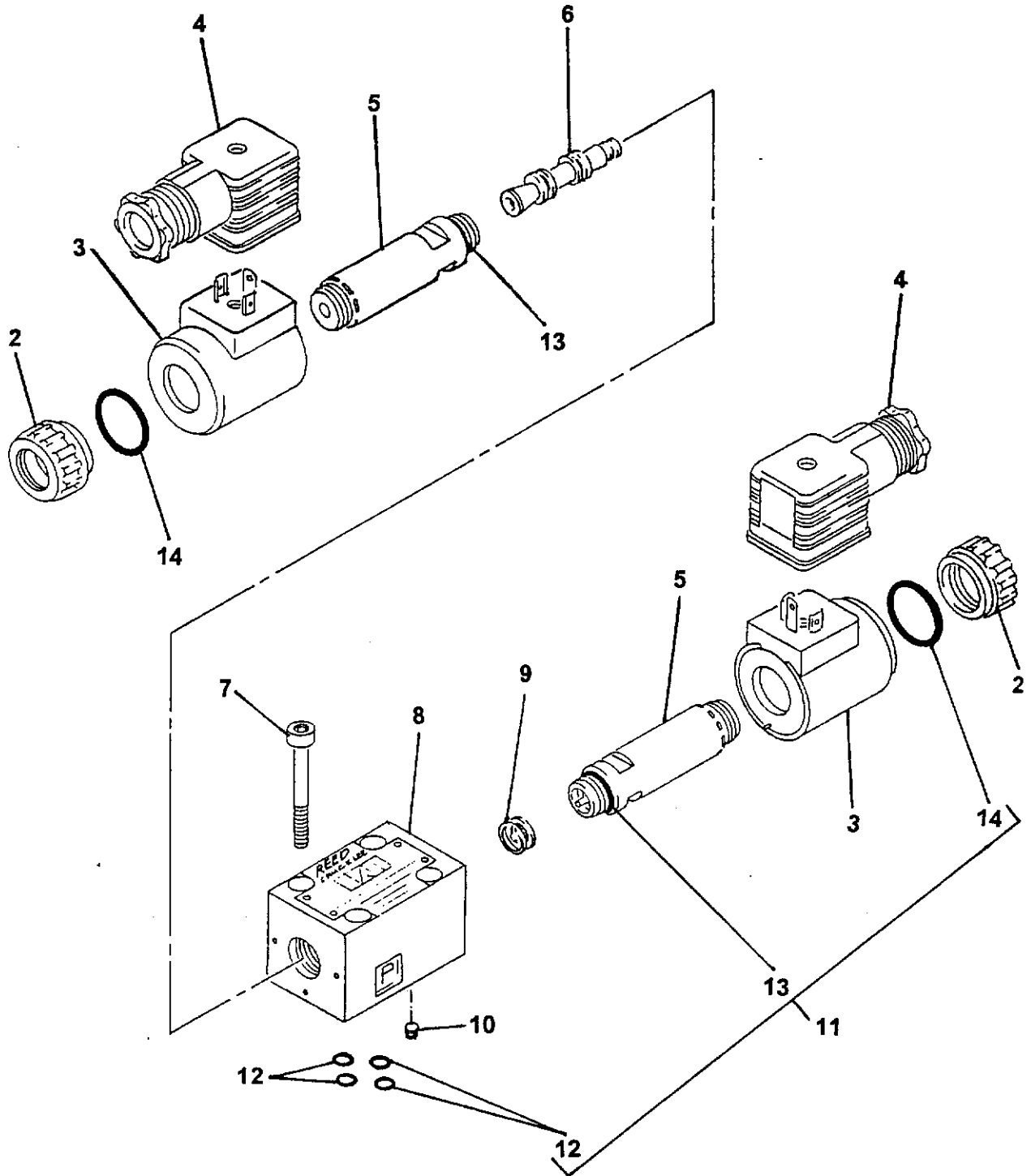
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85694	Assembly, Swing Tube Circuit Main Solenoid Valve (See Group 30, Figure 03 for NHA)					Ref
2		• Screw, SOC					4
3		• Cover					2
4		• Spool					1
5		• Plug					4
6		• Housing, Cartridge					1
7		• Pin, Grooved					2
8	74994	• Kit, Seal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

B50
PARTS
GROUP 30
FIGURE 05
PAGE 1



REVISION:

REED**SWING TUBE CIRCUIT
PILOT SOLENOID VALVE ASSEMBLY****B50**
PARTS
GROUP 30
FIGURE 05
PAGE 02

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

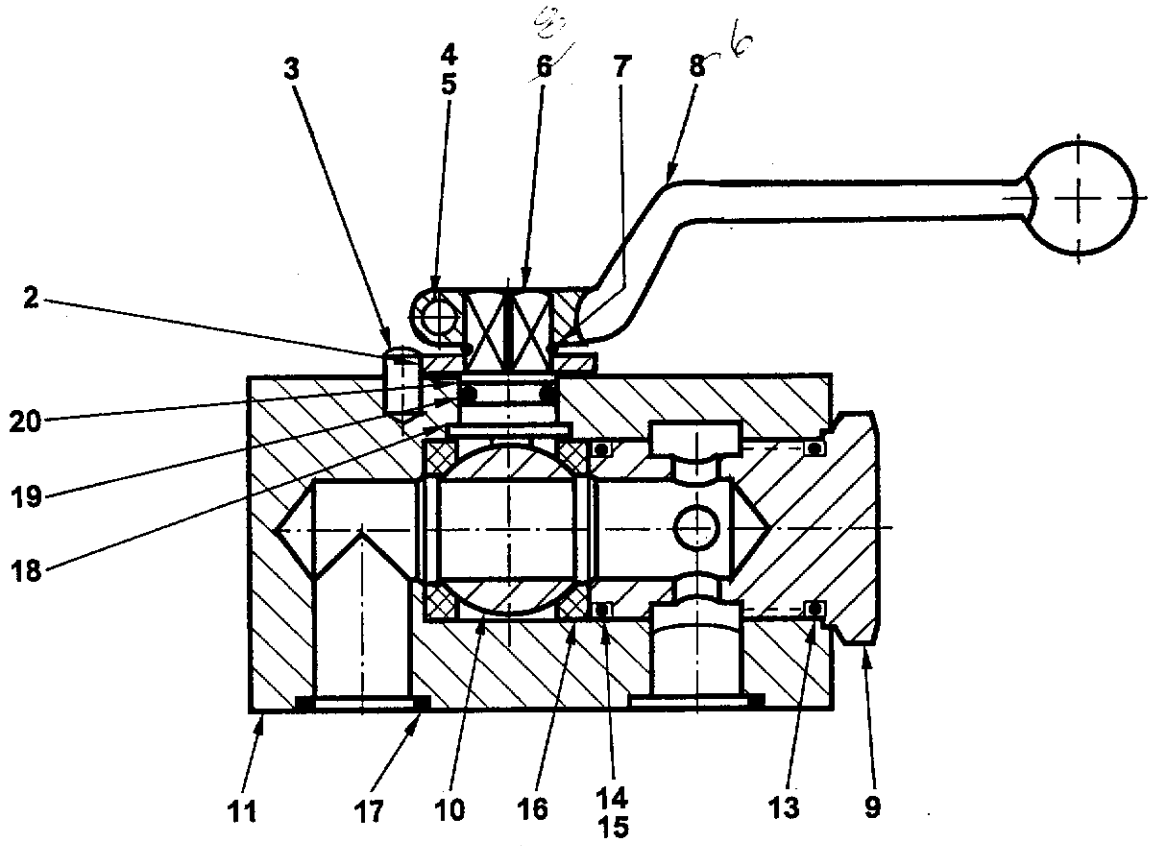
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



BALL VAVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 06
PAGE 01





BALL VAVE ASSEMBLY

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

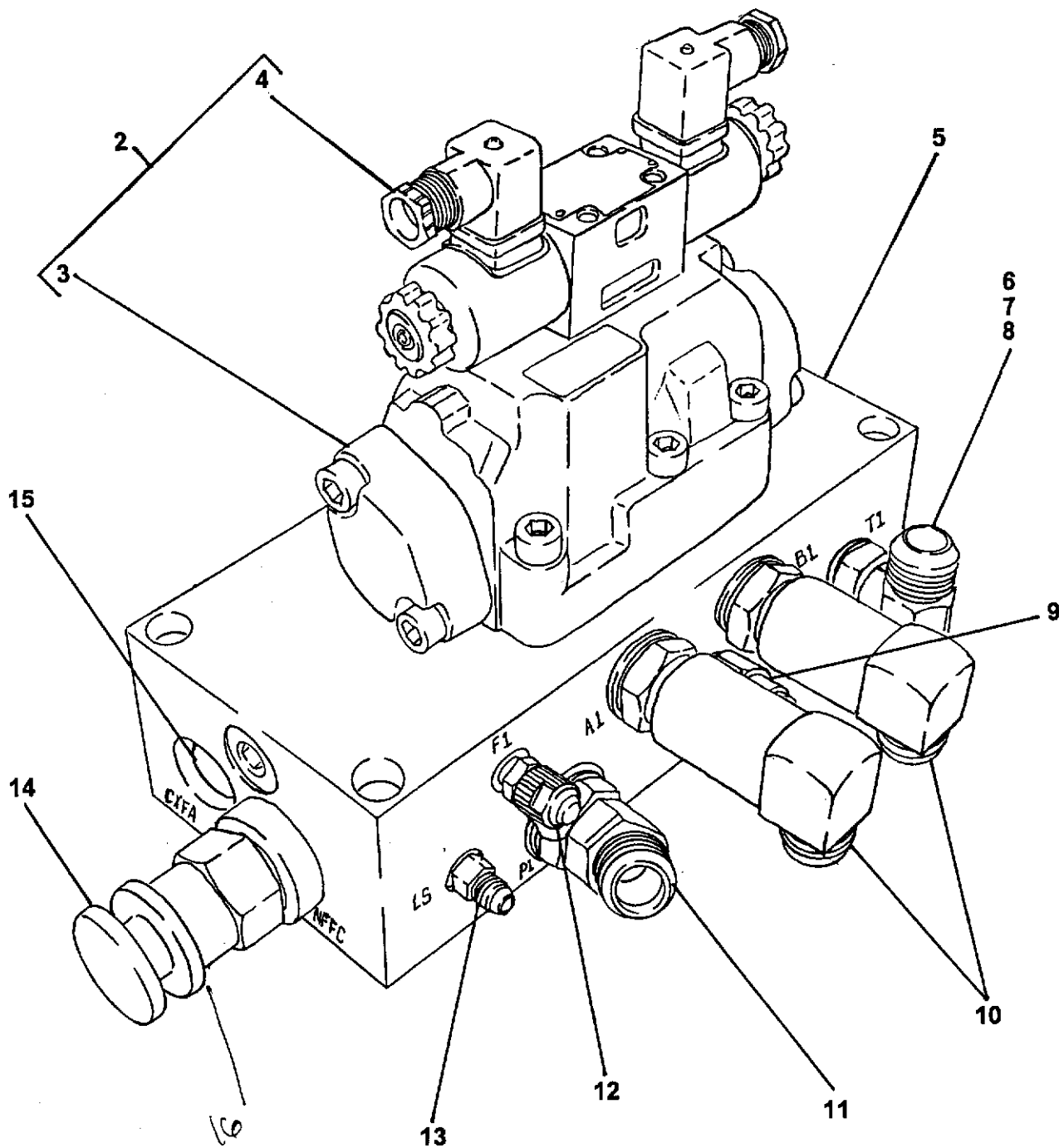
DASH (-) ITEM NOT ILLUSTRATED

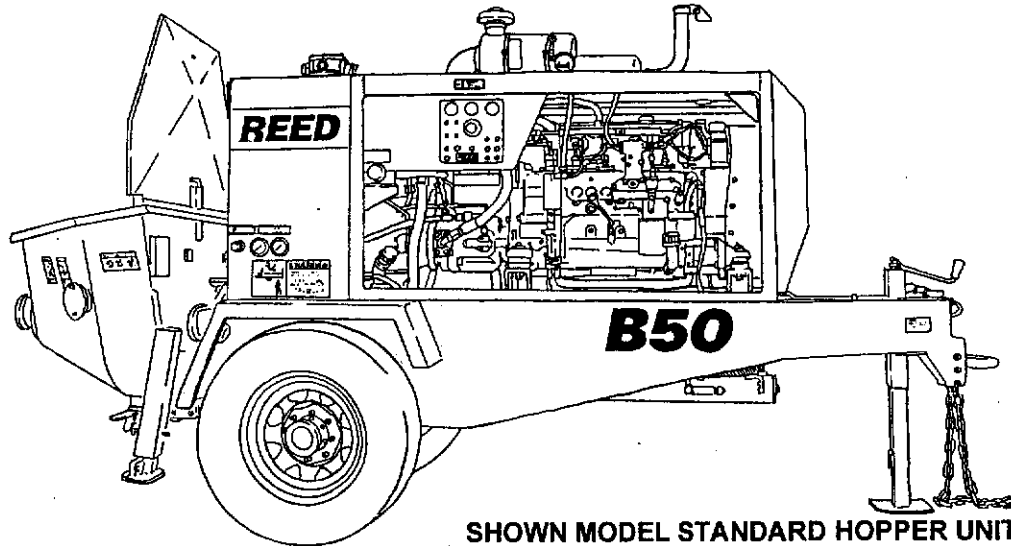
REVISION:

REED

DRIVE CYLINDER CIRCUIT MANIFOLD ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 07
PAGE 01



**SHOWN MODEL STANDARD HOPPER UNIT**

REED TRAILER MOUNTED CONCRETE PUMP MODEL B50 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 *Before & after 1999*
- 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

GROUP 40 POWER TRAIN INSTALLATION

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

GROUP 50 CONTROLS INSTALLATION

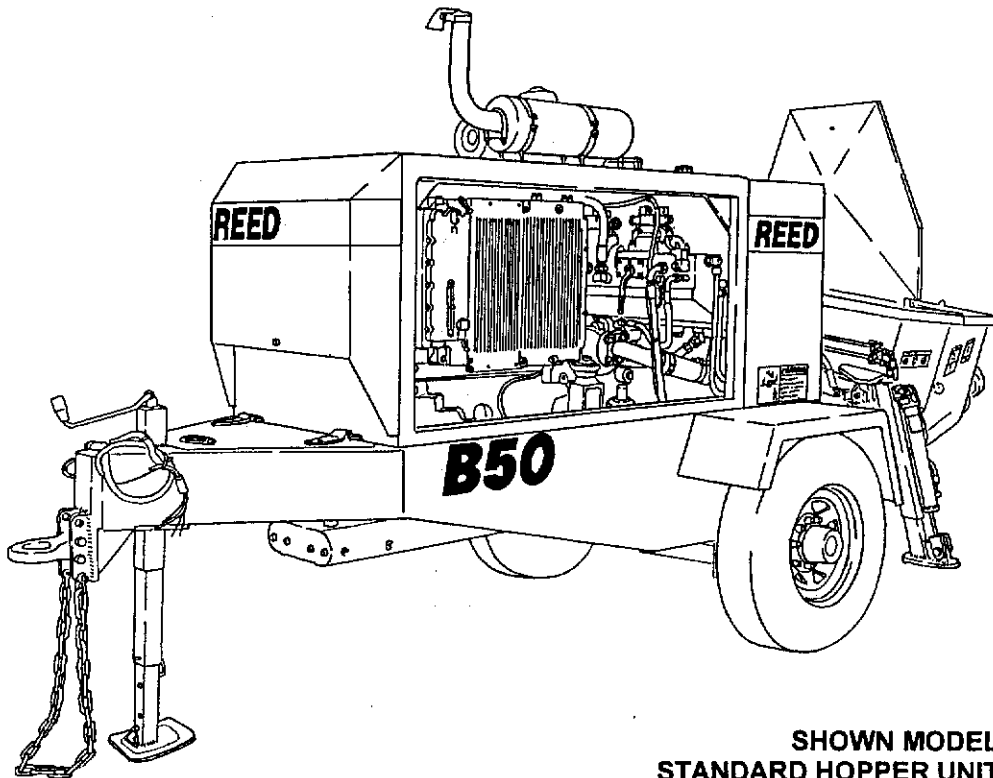
FIGURE 00	TABLE OF CONTENTS
FIGURE 01	CONTROLS INSTALLATION
FIGURE 02	CONTROL BOX ASSEMBLY
FIGURE 03	50 FEET CABLE REMOTE CONTROL ASSEMBLY
FIGURE 04	100 FEET CABLE REMOTE CONTROL ASSEMBLY
FIGURE 05	RADIO REMOTE CONTROL ASSEMBLY

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

REED TRAILER MOUNTED CONCRETE PUMP MODEL **B50** 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

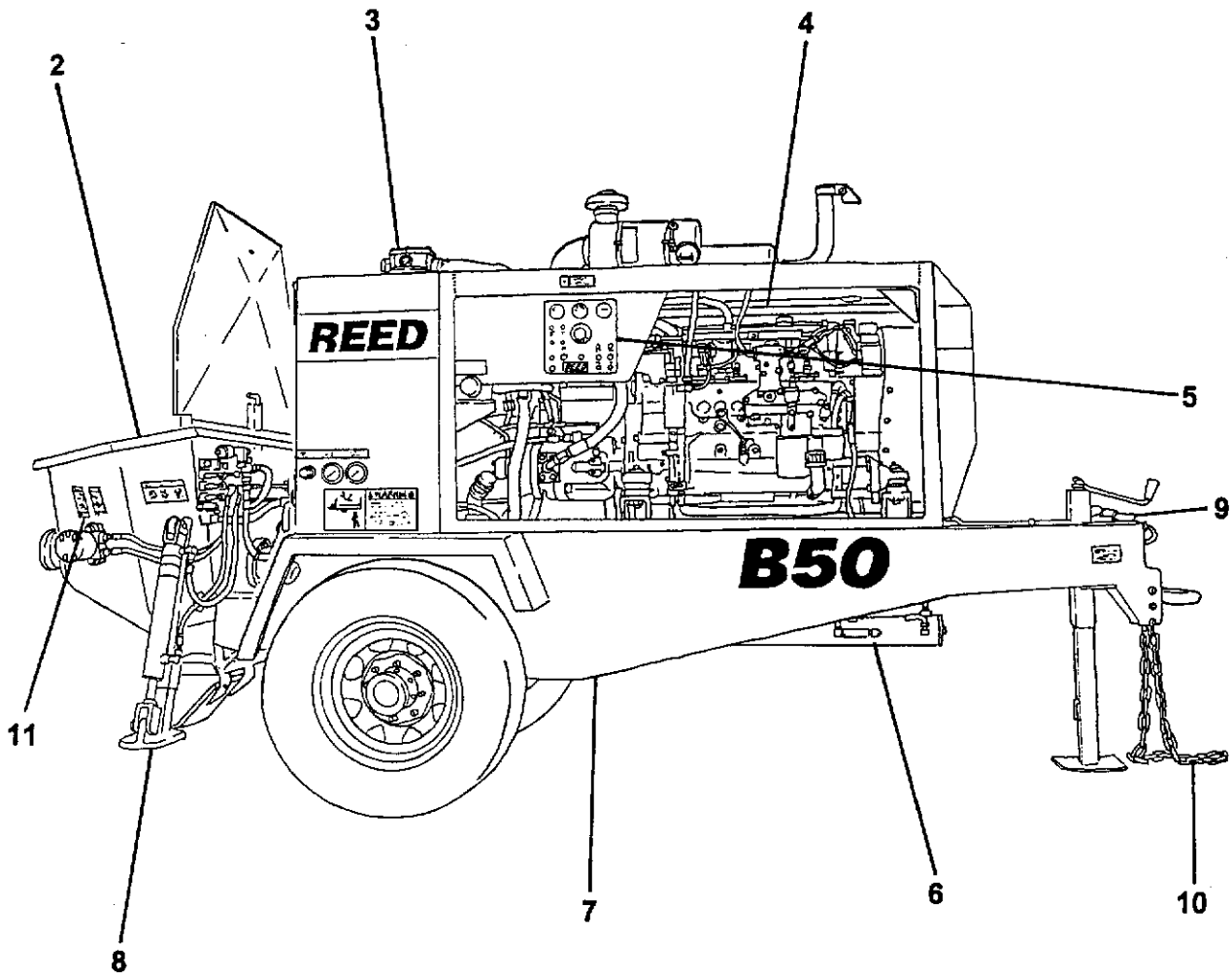


**SHOWN MODEL
STANDARD HOPPER UNIT**

REED

FINAL INSTALLATION WITH STANDARD HOPPER

B50
PARTS
GROUP 10
FIGURE 01
PAGE 01



REVISION:

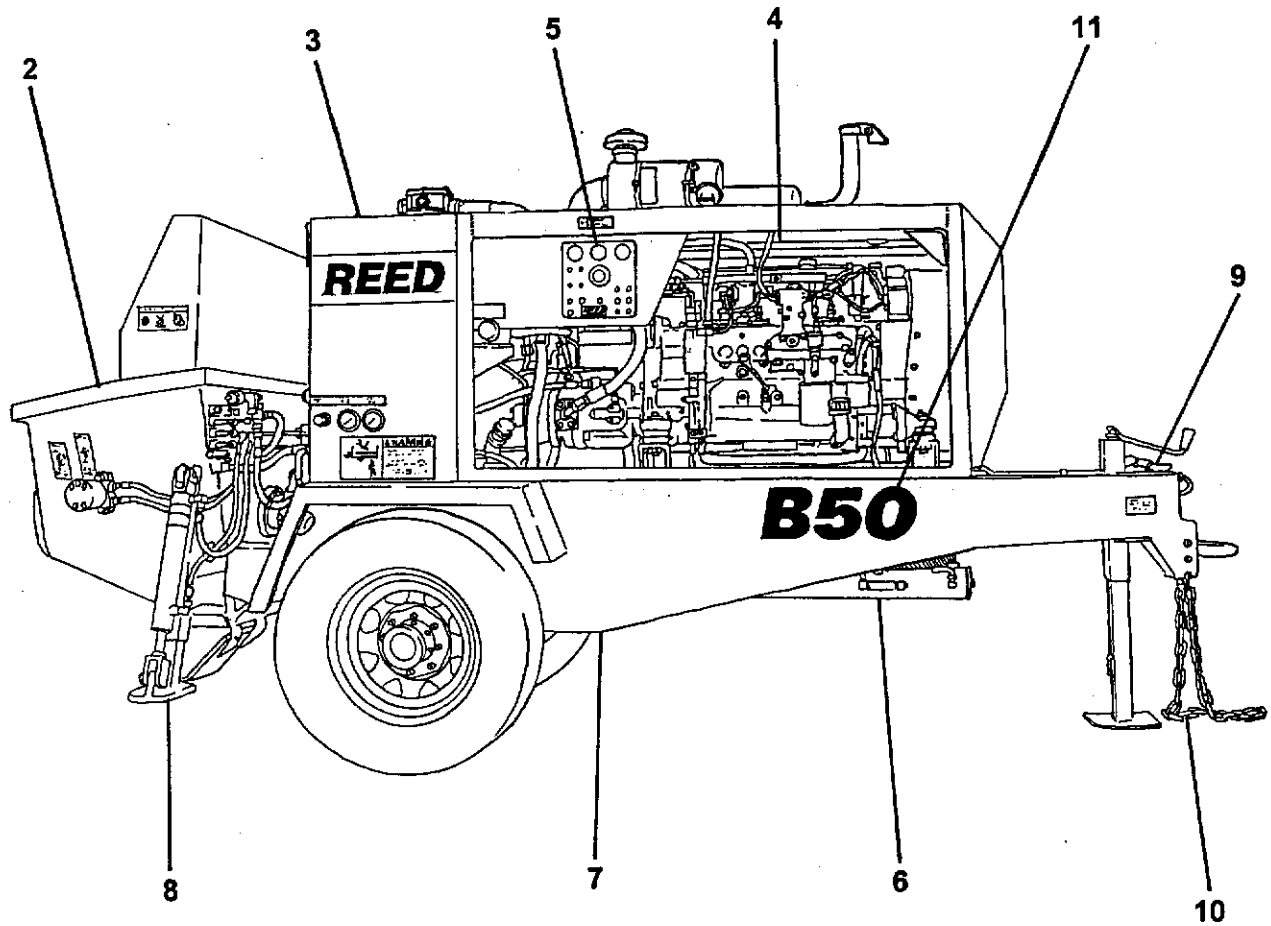
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	7250	Installation, B50 with Standard Hopper Final					Ref
2	20-01	• Installation, Standard Hopper (See Group 20, Figure 01 for DET)					1
3	30-01	• Installation, Tank (See Group 30, Figure 01 for DET)					1
4	40-01	• Installation, Power Train (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, B50 Decal (See Group 10, Figure 03 for DET)					1

DASH (-) ITEM NOT ILLUSTRATED



**FINAL INSTALLATION
WITH HARSH MIX HOPPER**

B50
PARTS
GROUP 10
FIGURE 02
PAGE 01





FINAL INSTALLATION WITH HARSH MIX HOPPER

B50
PARTS
GROUP 10
FIGURE 02
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	7250A	Installation, B50 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, B50 Decal (See Group 10, Figure 03 for DET)					2

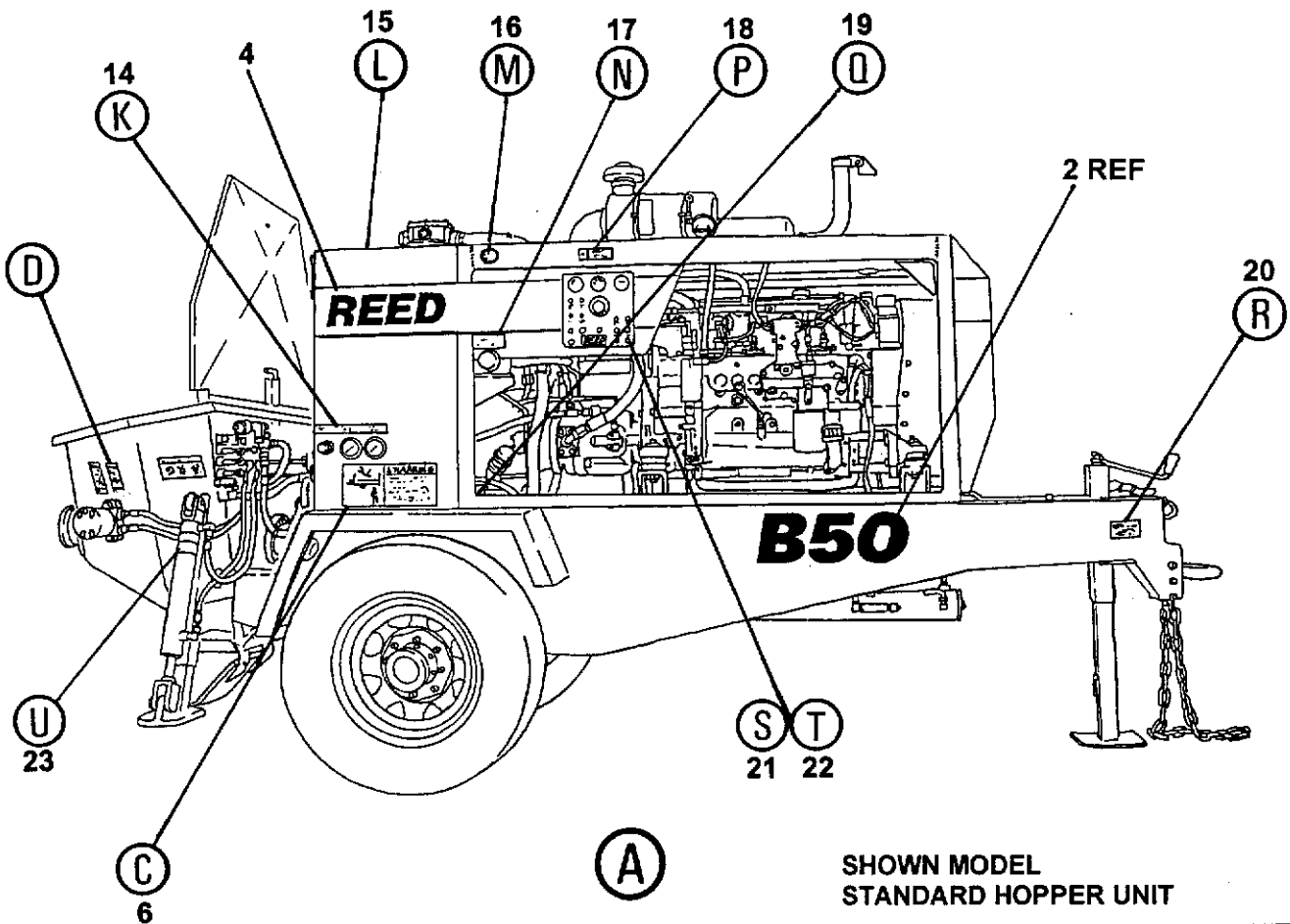
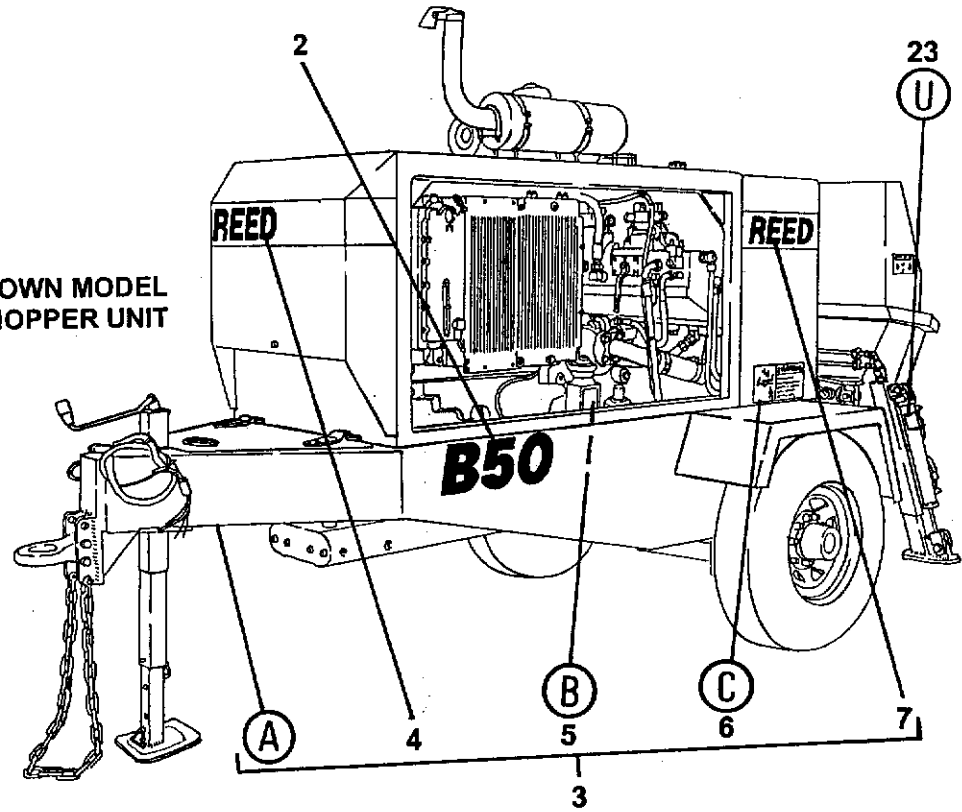
DASH (-) ITEM NOT ILLUSTRATED



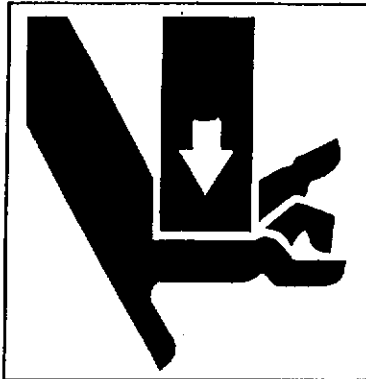
DECAL ASSEMBLY

B50
PARTS
GROUP 10
FIGURE 03
PAGE 01

SHOWN MODEL
HARSH MIX HOPPER UNIT



SHOWN MODEL
STANDARD HOPPER UNIT



! 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, B50 Decal (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	85414	• Decal, B50 6 Inch Black					2
3	85425	• Kit, B-Series Decal					1
4	85418	• • Decal, REED 4 1/2 Inch Black and White 48 Inch					2
5	800916	• • Decal, Warning, Keep Hand Out of Water Box					1
6	800924	• • Decal, Warning, This Machine is Remote Controlled 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, B50 Control Box Panel					1
22	85410	• Decal, B50 Remote Control					1
23	800919	• Decal, Optional, Warning, Stand Clear Outriggers When					2

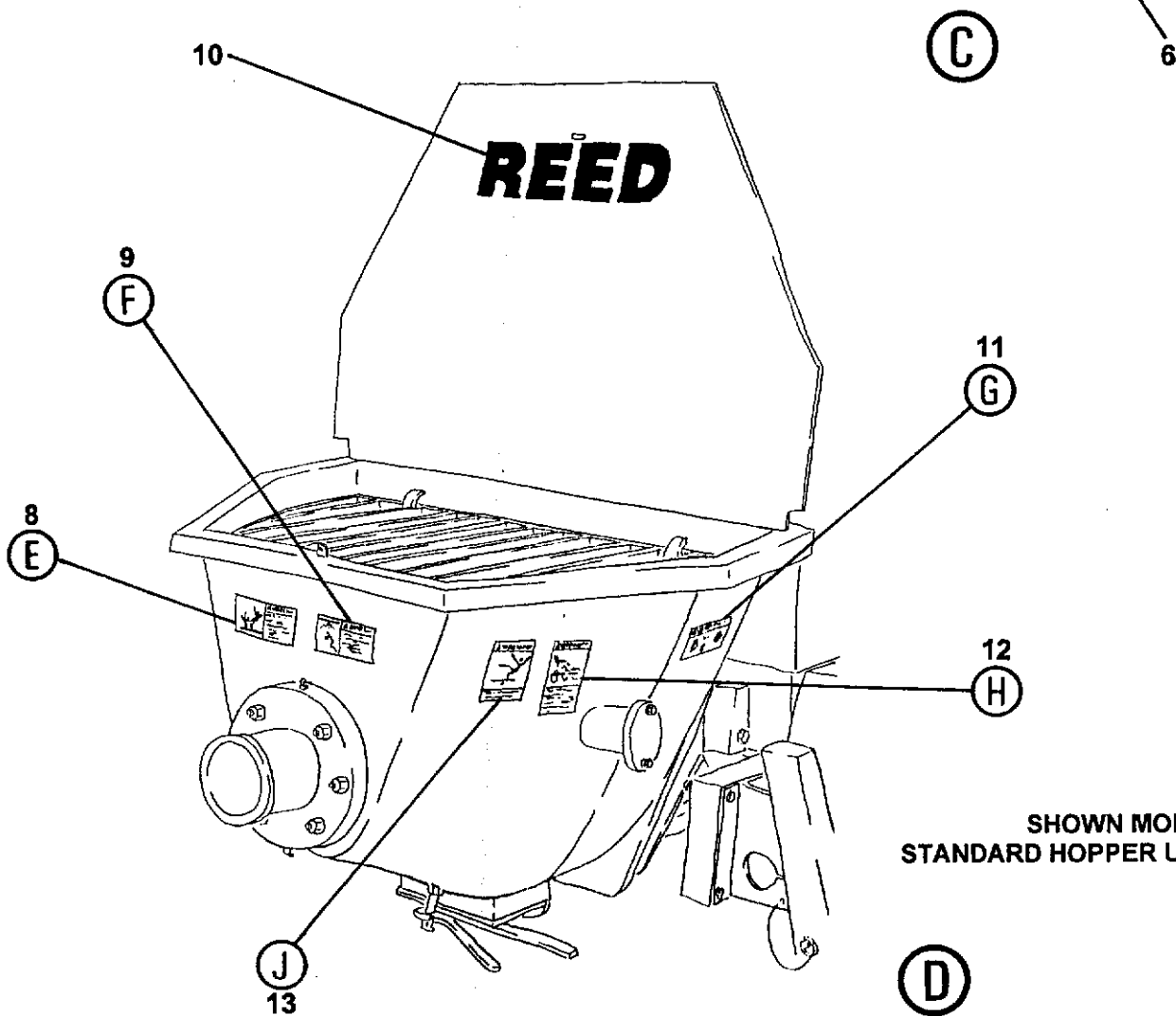
DASH (-) ITEM NOT ILLUSTRATED



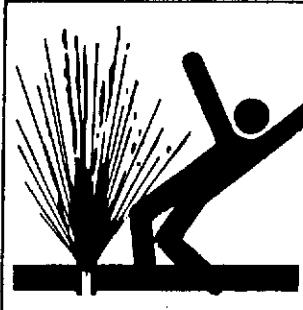
! WARNING

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

800923



SHOWN MODEL
STANDARD HOPPER UNIT



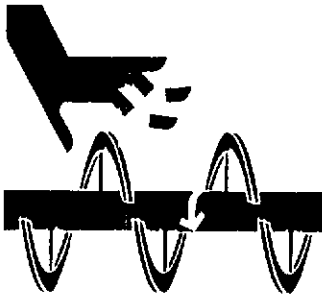
⚠ WARNING

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

800922

(E)

⚠ WARNING

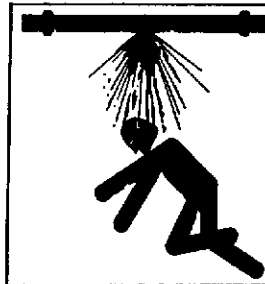


Keep hands out of hopper and valve assembly. See operation manual if access is required.

800917

(H)

12



⚠ WARNING

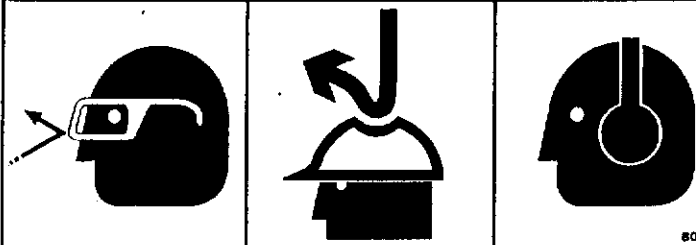
Do not operate at pressures exceeding the rating of the entire material delivery system.

800921

9

(F)

CUIDADO ⚠ WARNING



800929

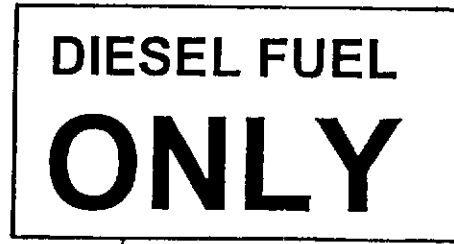
(G)

11



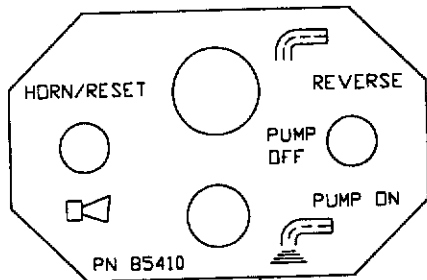
(P)

18



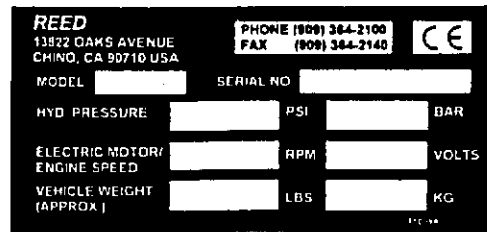
19

(Q)



(T)

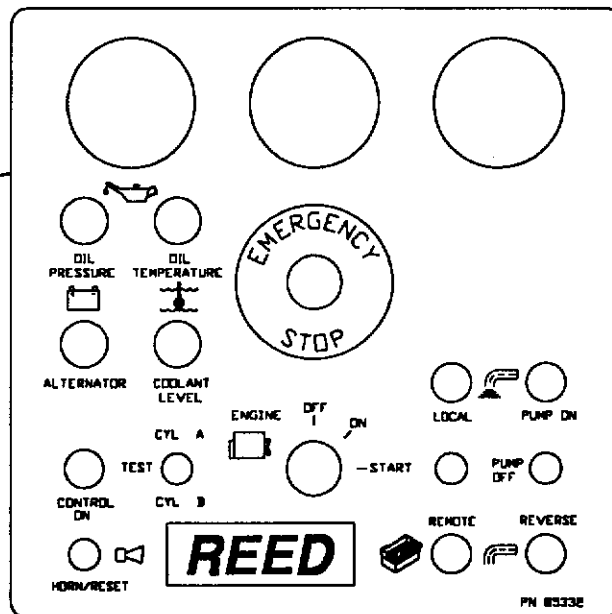
22



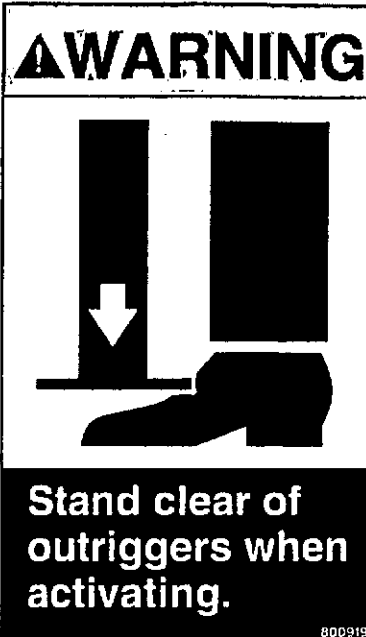
20

(R)

21



(S)

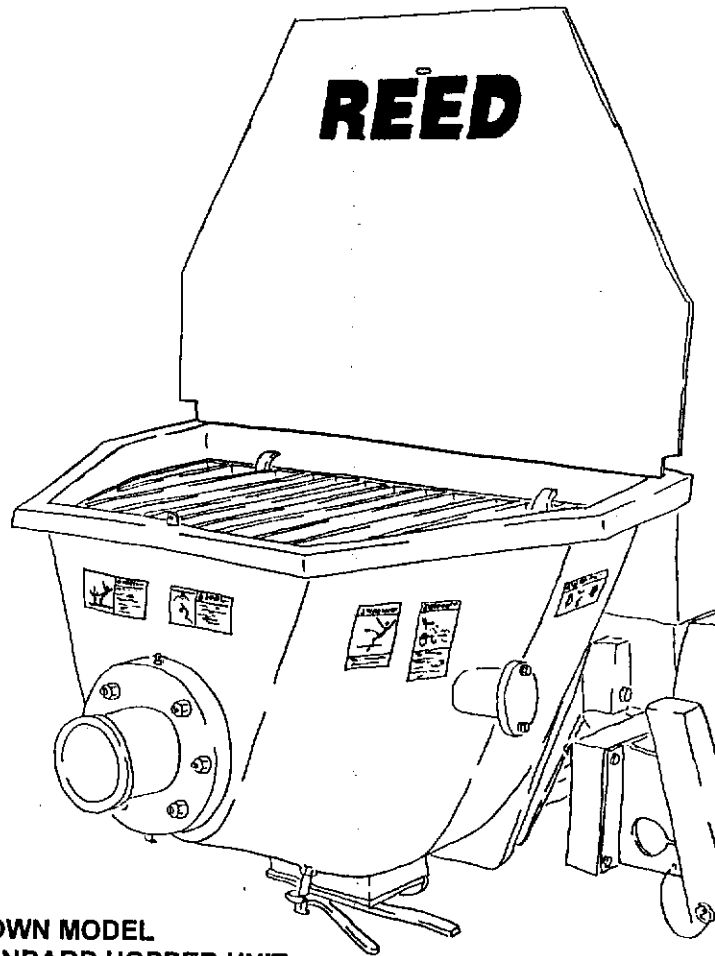


23



ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	10-03	Kit, B50 Decal (See Group 10, Figure 01 and Figure 02 for NHA)					Ref
2	85414	• Decal, B50 6 Inch Black					2
3	85425	• Kit, B-Series Decal					1
4	85418	• • Decal, REED 4 1/2 Inch Black and White 48 Inch					2
5	800916	• • Decal, Warning, Keep Hand Out of Water Box					1
6	800924	• • Decal, Warning, This Machine is Remote Controlled 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, B50 Control Box Panel					1
22	85410	• Decal, B50 Remote Control					1
23	800919	• Decal, Optional, Warning, Stand Clear Outriggers When					2

DASH (-) ITEM NOT ILLUSTRATED



**SHOWN MODEL
STANDARD HOPPER UNIT**

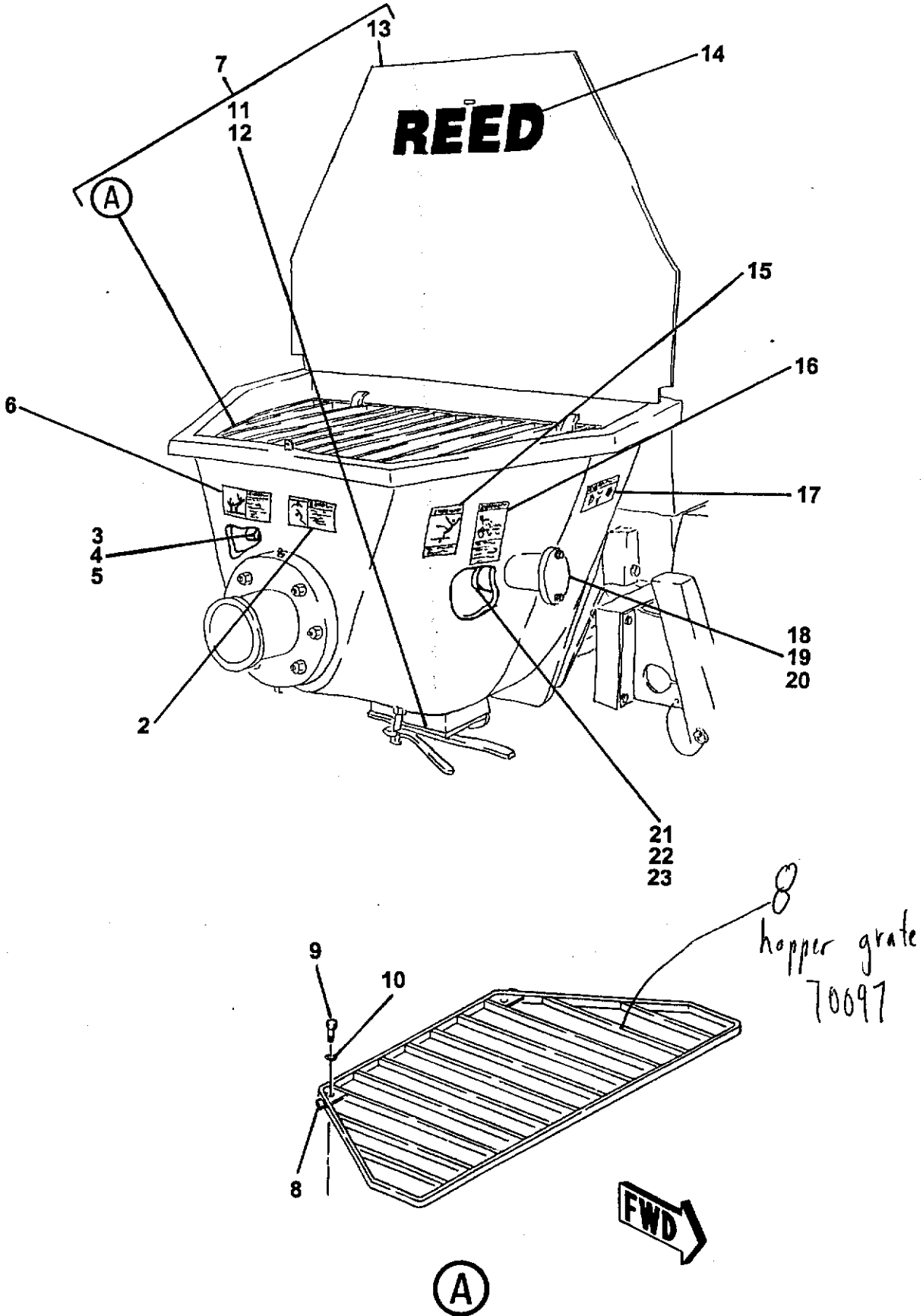
**REED TRAILER MOUNTED CONCRETE PUMP MODEL B50 ILLUSTRATED PARTS
MANUAL GROUP 20 HOPPER INSTALLATION CONTAINS THE FOLLOWING
FIGURES:**

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

B50
PARTS
GROUP 20
FIGURE 01
PAGE 01



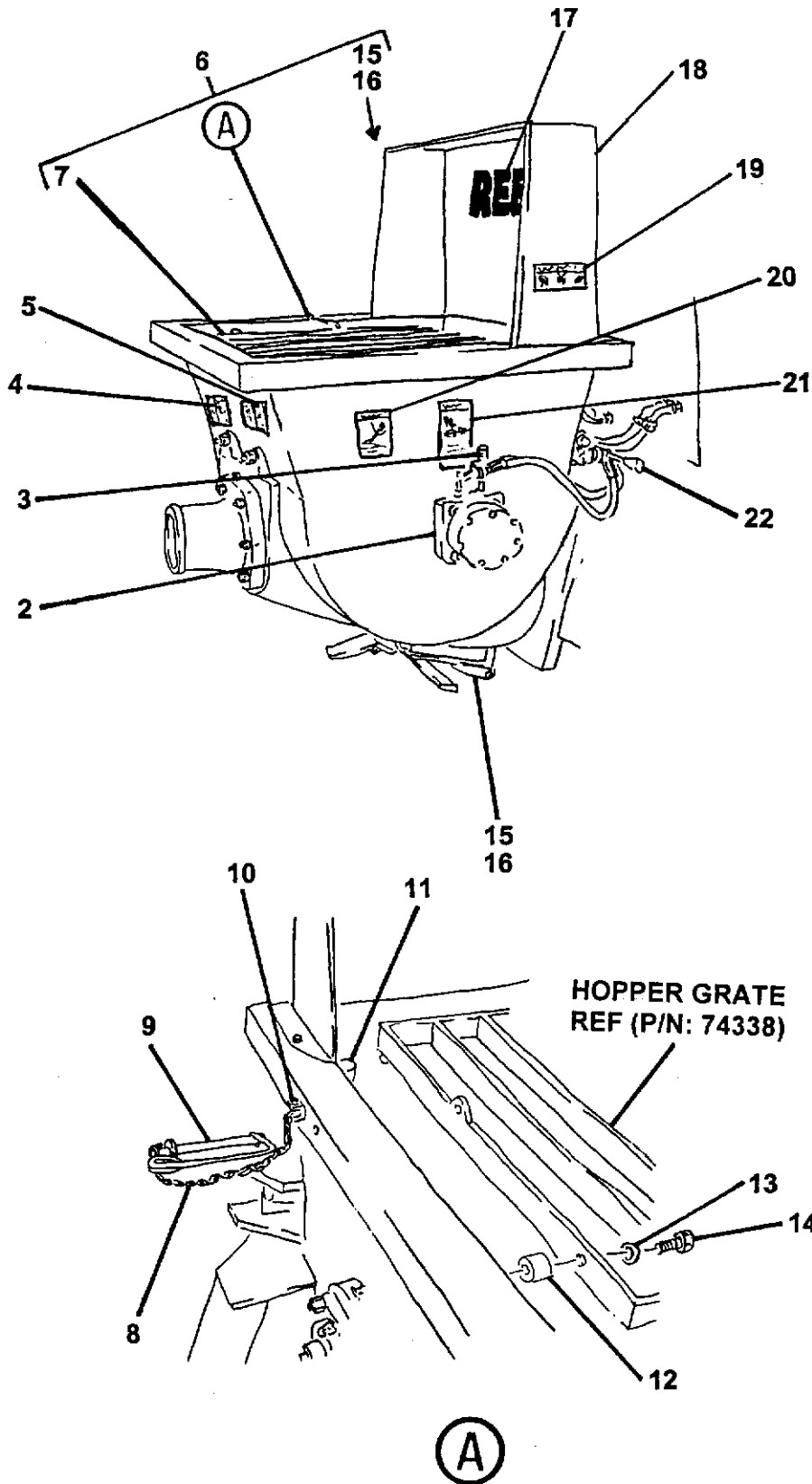
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	20-01	Installation, Standard Hopper (See Group 10, Figure 01 for NHA)					Ref
2	800921	• Decal, Warning, Do Not Operate at Pressures Exceeding					1
3	70219	• Bushing, Remix Shaft					1
4		• Bolt, Hex (attaching parts)					1
5		• Washer, Flat (attaching parts)					1
6	800922	• Decal, Warning, Before Opening a Blocked Pipeline,					1
7	70759	• Weldment, Hopper					1
8	70963	• • Grate, B50 Standard Hopper 70097					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

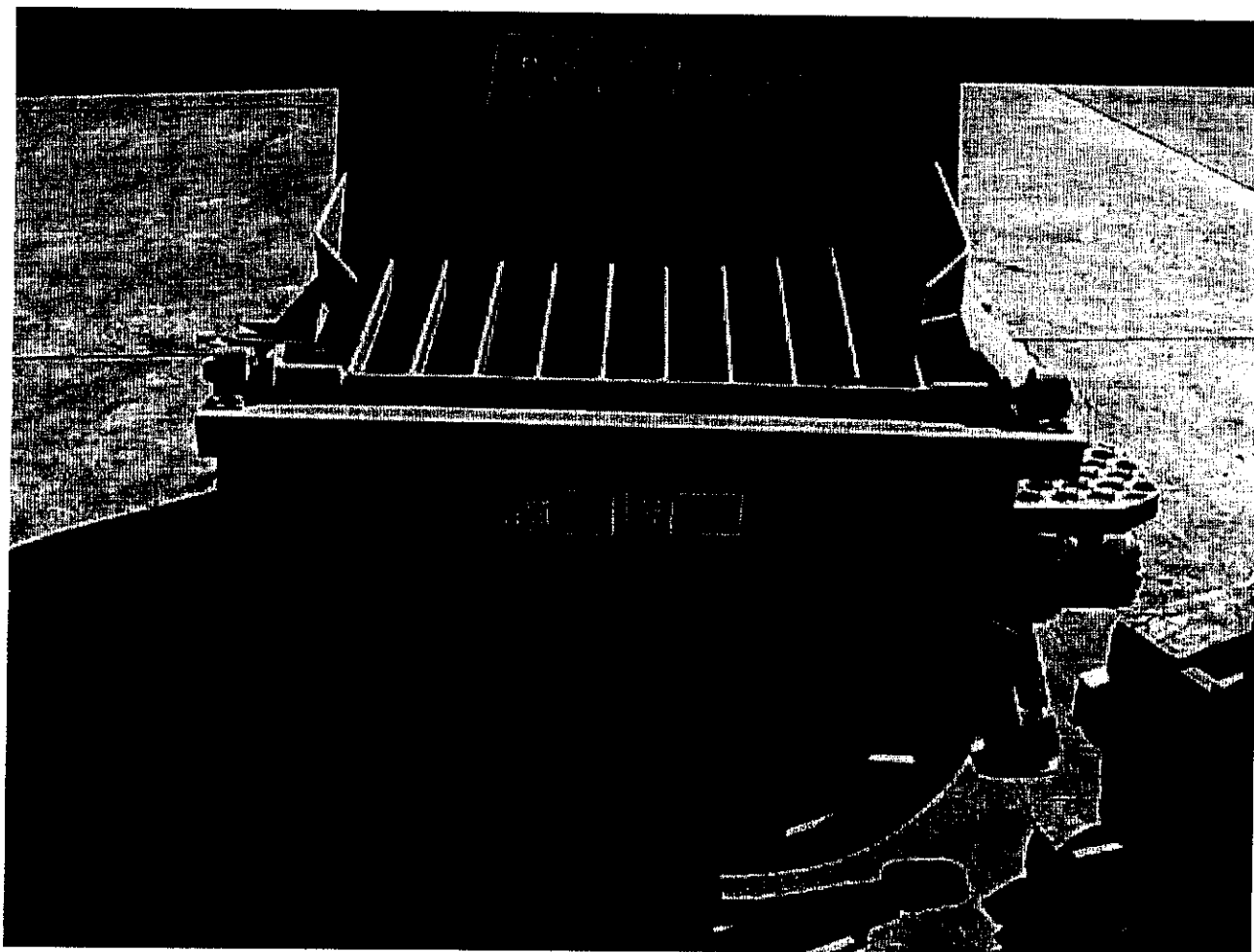
DASH (-) ITEM NOT ILLUSTRATED

REED

HARSH MIX HOPPER INSTALLATION

B50
PARTS
GROUP 20
FIGURE 02
PAGE 01





7250A-1759
W-103414 BUSHING
NATGUN





HARSH MIX HOPPER INSTALLATION

B50
PARTS
GROUP 20
FIGURE 02
PAGE 02

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 B50 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

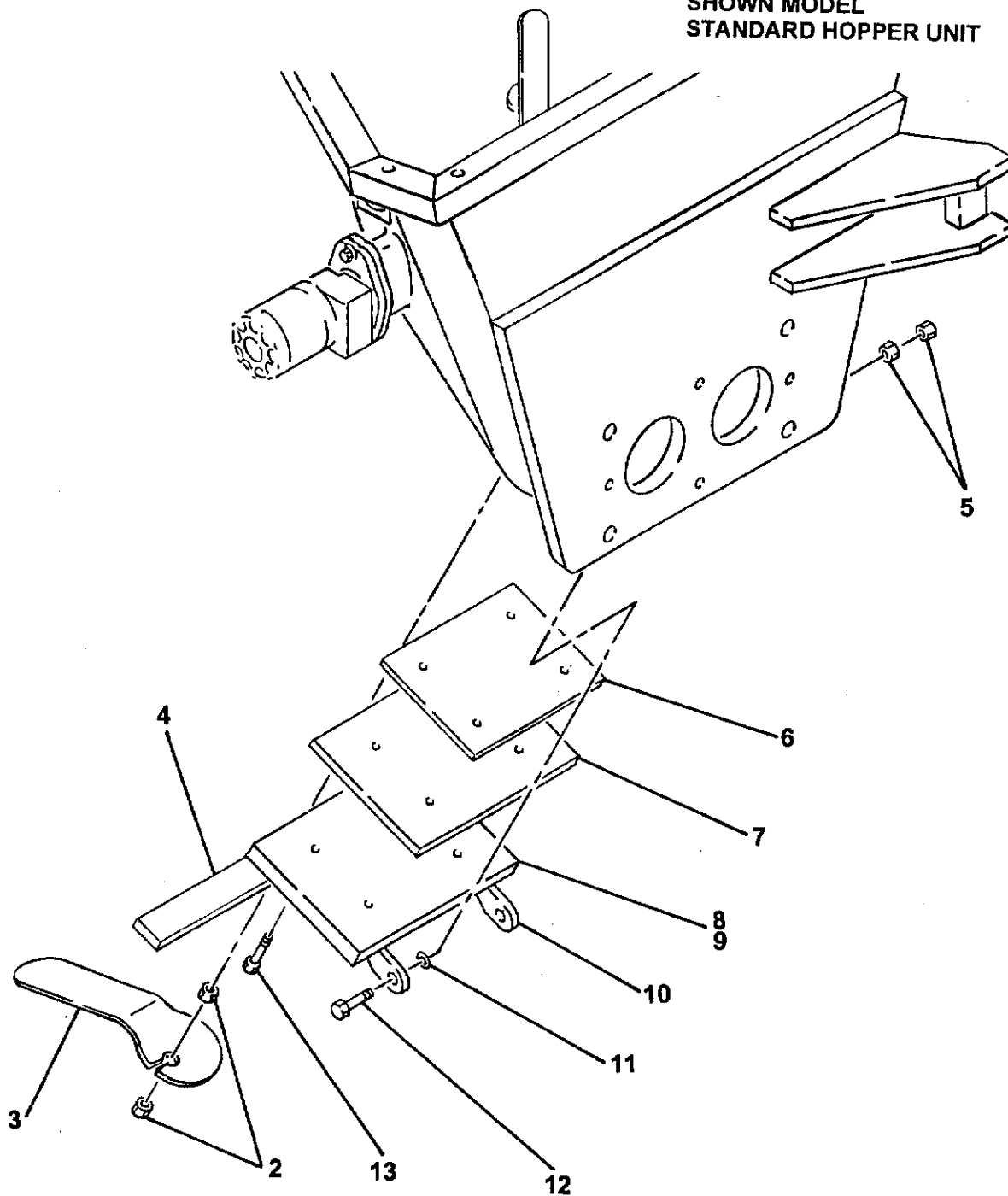
REVISION:

REED

SQUARE CLEAN OUT DOOR ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 03
PAGE 01

SHOWN MODEL
STANDARD HOPPER UNIT



REVISION:

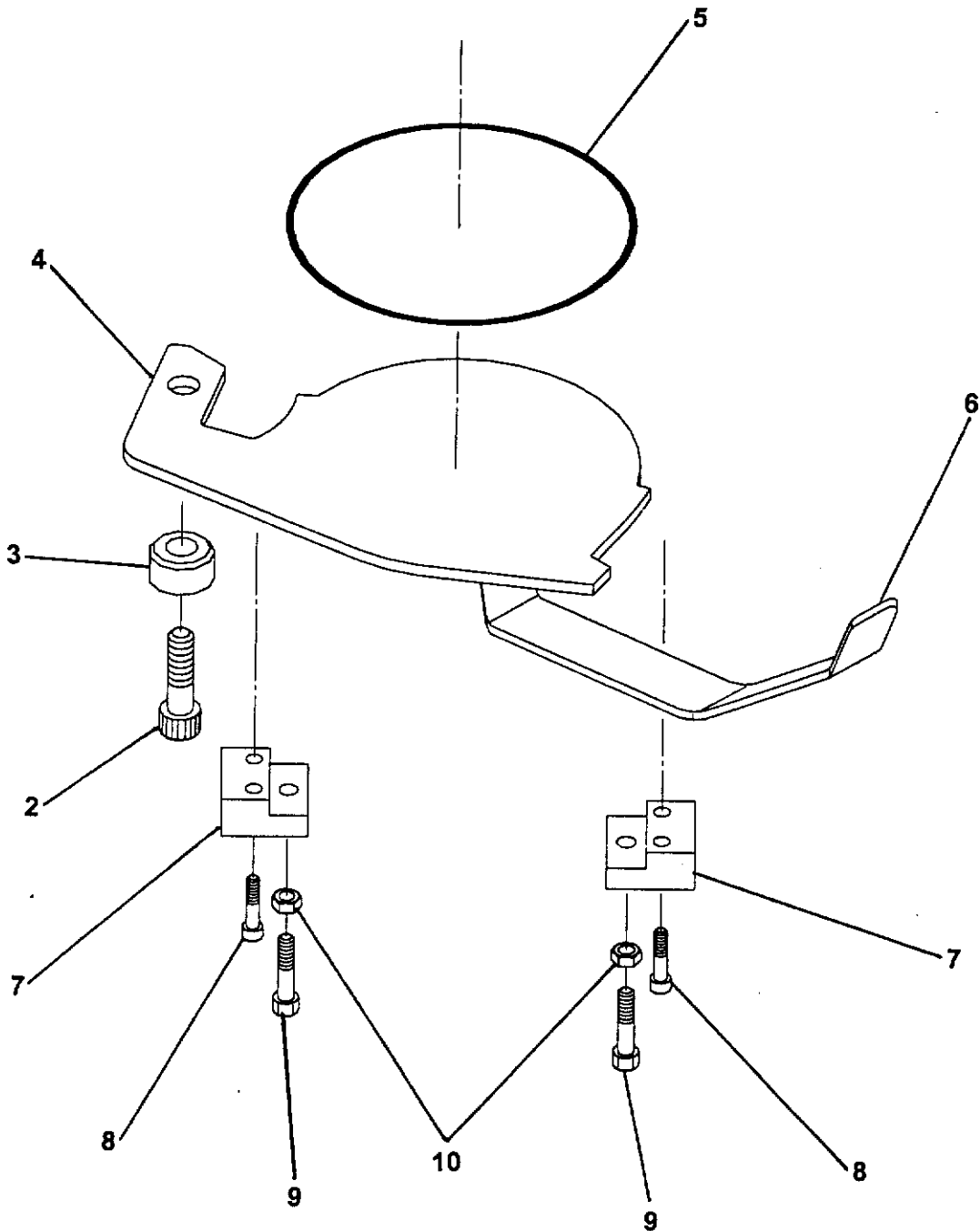
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	72971-2	Assembly, Square Clean Out Door (See Group 20, Figure 01 and 02 for NHA)					Ref
2					• Nut, Hex	2	
3	70096				• Handle, Clean Out Door	1	
4	71016				• Handle, Lift	1	
5					• Nut	4	
6	70794				• Insert, Door	1	
7	70248				• Rubber,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

REED

ROUNDED CLEAN OUT DOOR ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 04
PAGE



FWD

REVISION:

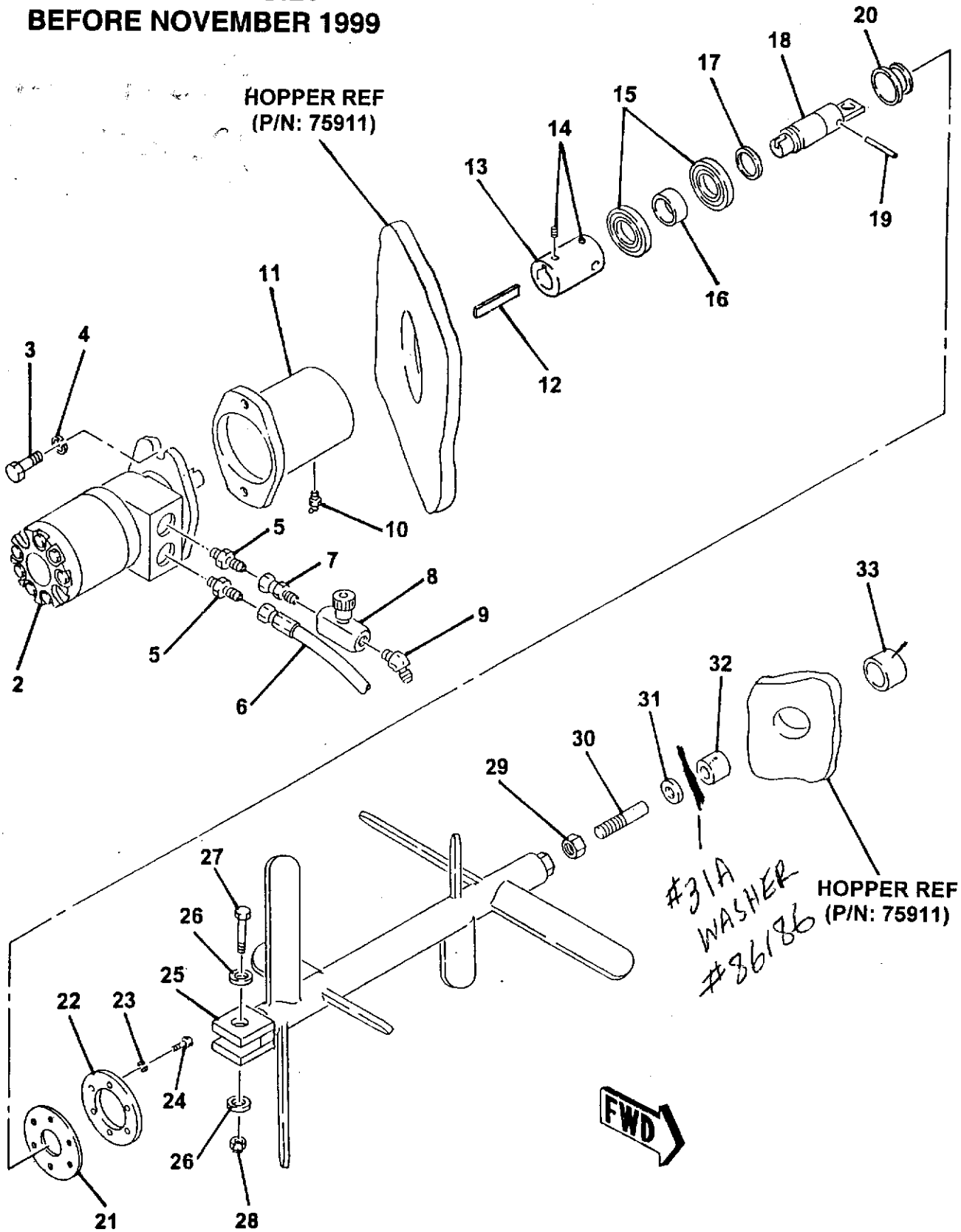
REED**ROUNDED CLEAN OUT
DOOR ASSEMBLY****B50**
PARTS
GROUP 20
FIGURE 04
PAGE 02

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	85367 86922	• Bolt, Shoulder					1
3	85367	• Boss, Clean Out Door					1
4	85370	• 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:

**AGITATOR BUILT
BEFORE NOVEMBER 1999**



**AGITATOR BUILT
BEFORE NOVEMBER 1999**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION			QTY
		1	2	3	
-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	118-115-10-6	• 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	86743	• Washer, Lock (attaching parts)			6
24	86744	• Bolt, Hex (attaching parts)			6
25	70202	• Shaft, B50 Agitator with Paddle			1
26	86754	• Washer, Lock (attaching parts) 1/2"			2
27	- 86756	• Screw, Hex Head Cap (attaching parts) 1/2" -13			1
28	80019	• Nut (attaching parts) 1/2" -13			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

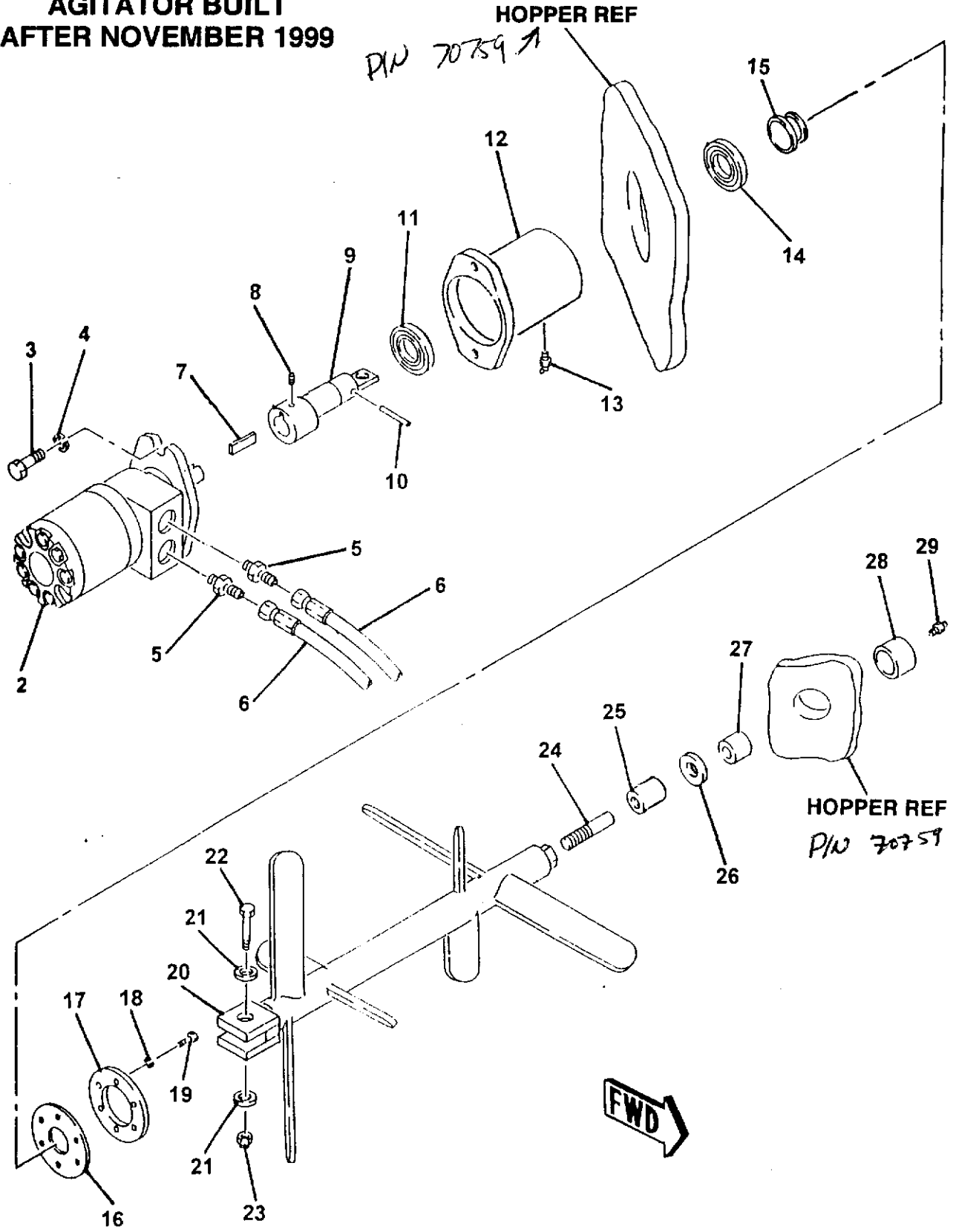
DASH (-) ITEM NOT ILLUSTRATED



AGITATOR ASSEMBLY

B50
PARTS
GROUP 20
FIGURE05A
PAGE

**AGITATOR BUILT
AFTER NOVEMBER 1999**



**AGITATOR BUILT
AFTER NOVEMBER 1999**

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	85760	Assembly, B50 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 <i>86758</i>					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