



TRAILER MOUNTED PUMP MODEL *B50* SCHEMATICS SECTION

SCMTC

FIGURE 00
PAGE 00

REED TRAILER MOUNTED CONCRETE PUMP *06* MODEL *B50* ILLUSTRATED PARTS MANUAL SCHEMATICS SECTION CONTAINS THE FOLLOWING FIGURES:



FIGURE 00	TABLE OF CONTENTS
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FIGURE 13	CONTROL PANEL MOD. FOR STROKE COUNTER OPTION
FIGURE 14	DOCUMENT-TRANSMITTER RF I.D. TEACH PROCEDURE

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TRAILER MOUNTED PUMP MODEL B50 DRIVE CYLINDER CIRCUIT HYDRAULIC COMPONENTS & SCHEMATIC

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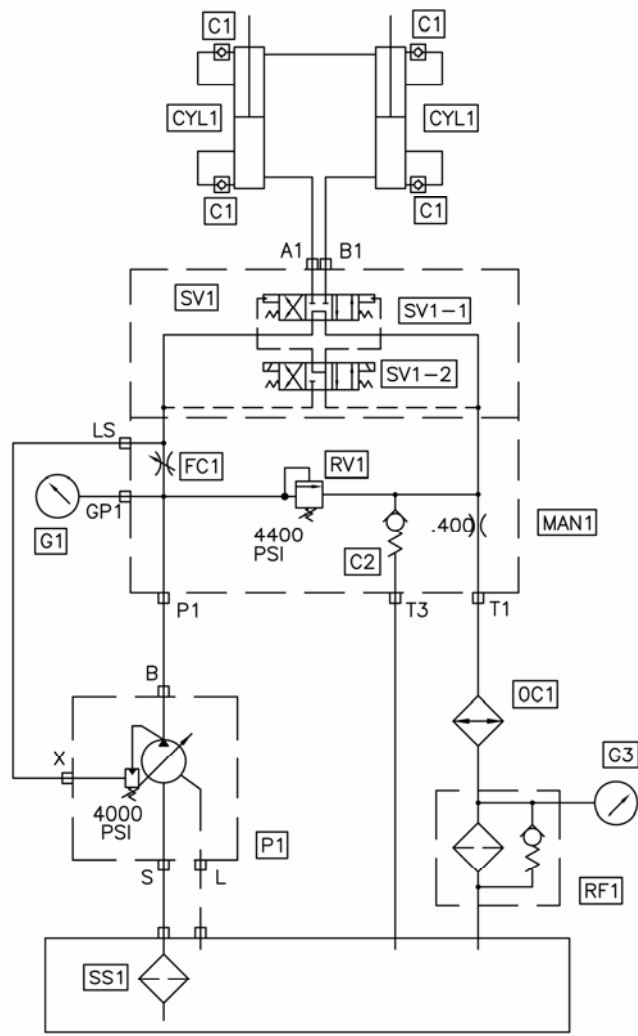
FIGURE 01
PAGE 01

B SERIES DRIVE CYLINDER CIRCUIT
HYDRAULIC SCHEMATIC

DATE
12/3/01

REV.
A

PART NO.
86708



CODE	DESCRIPTION	PART NO.	QTY.
P1	Main Pump, Parts, Group 40		
CYL1	Hydraulic Drive Cylinder, Parts Group 60		
MAN1	Manifold Drive Cylinder Circuit	85248	1
SV1	Solenoid Valve, Drive Cylinder Circuit	85689	1
SV1-1	Solenoid Valve Main	85690	1
SV2-2	Solenoid Valve Pilot	85691	1
	Coil For SV2-2	85692	2
RV1	Relief Valve Cartridge	85696	1
FC1	Flow Control Valve Cartridge	85697	1
C1	Check Valve	78961	4
C2	Check Valve Cartridge	85698	1
G1	Pressure Gauge 6000 psi	74562	1
G3	Pressure Gauge Return	85575	1
OC1	Oil Cooler	85713	1
RF1	Return Filter	85282	1
	Return Filter Element	85283	1
SS1	Magnetic Suction Strainer 3"	800230	1
REV A-10/04/2004			

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TRAILER MOUNTED PUMP MODEL B50 SINGLE SHIFT SWING TUBE CIRCUIT HYDRAULIC COMPONENTS & SCHEMATIC

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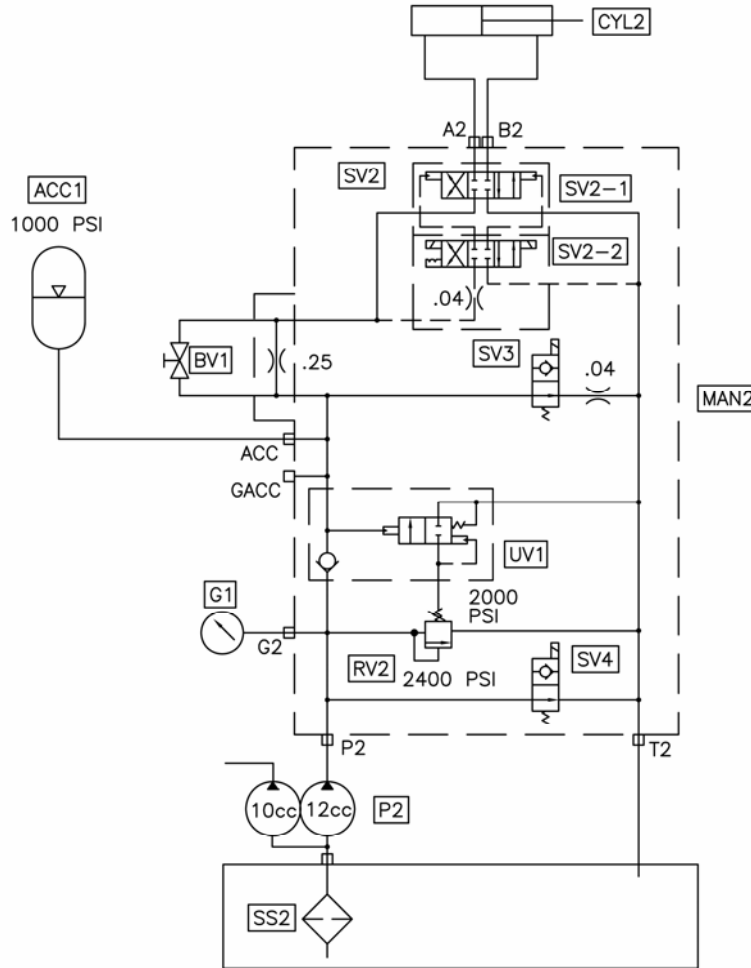
FIGURE 02
PAGE 02

B & C SERIES SWING TUBE HYDRAULIC
SCHEMATIC, SINGLE SHIFT CYLINDER

DATE
11/7/01

REV.
A

PART NO.
86705



CODE	DESCRIPTION	PART NO.	QTY.
P2	Gear Pump, Parts, Group 40	73156	1
CYL2	S Tube Single Shift Cylinder	86221	1
MAN2	Manifold S Tube Circuit	85249	1
SV2	Solenoid Valve S Tube Circuit	85693	1
SV2-1	Solenoid Valve Main	85694	1
SV2-2	Solenoid Valve Pilot	85695	1
	Coil For SV2-2	85692	2
SV3	Solenoid Valve Cartridge	87246	1
	Coil For SV3	87247	1
SV4	Solenoid Valve Cartridge	87248	1
	Coil For SV4	87249	1
RV2	Relife Valve Cartrige	85703	1
UN1	Unloading Valve Cartrige	85704	1
BV1	Ball Valve	85705	1
AAC1	Accumulator	74515	1
	Accumulator, Bladder	74516	1
G2	Pressure Gauge 3000 PSI	70366	1
SS2	Magnetic Suction Strainer 1 1/4"	79247	1
REV A-10/04/2004			

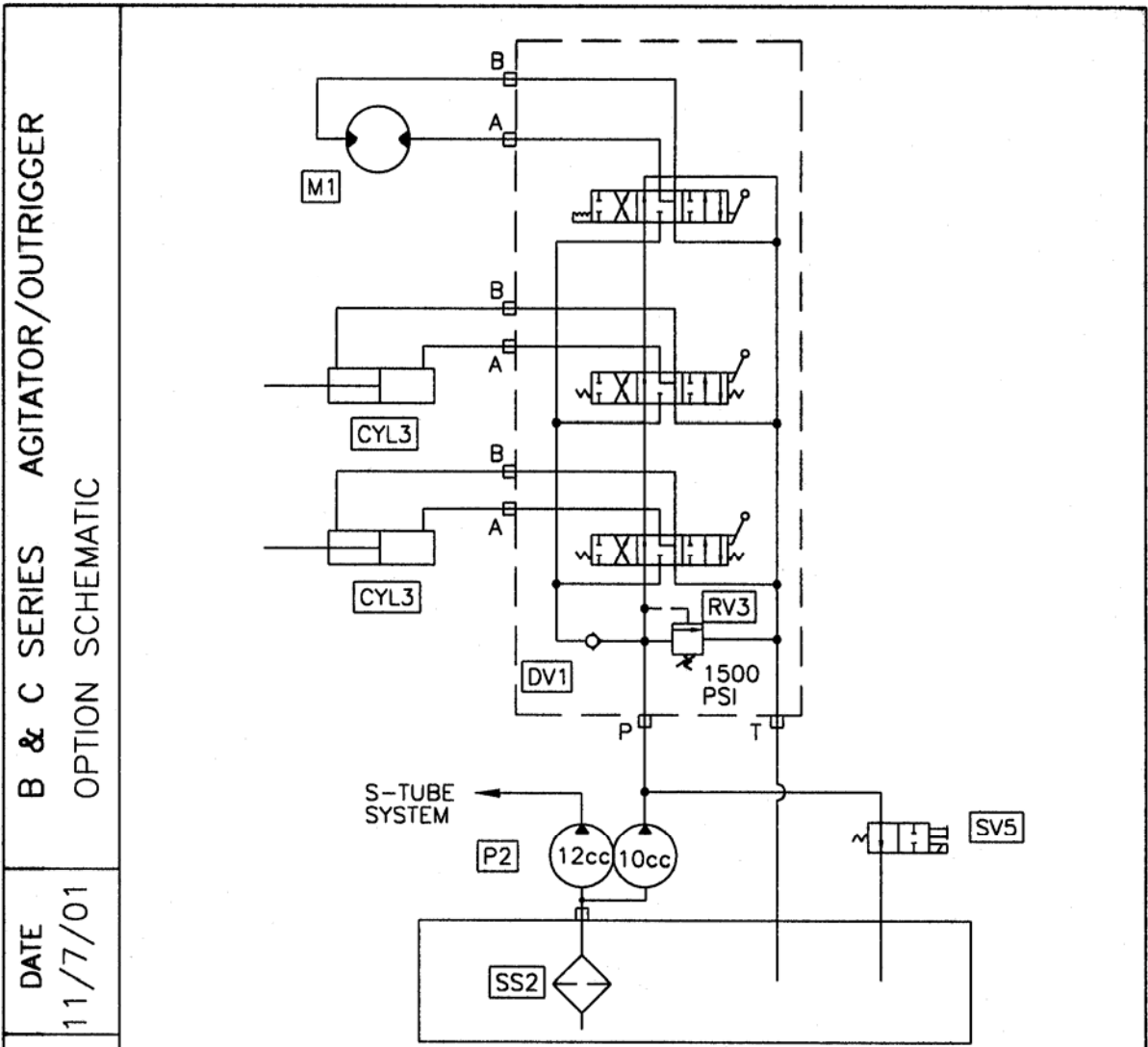
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TRAILER MOUNTED PUMP MODEL B50 DUAL SHIFT SWING TUBE CIRCUIT HYDRAULIC COMPONENTS & SCHEMATIC

SCMTC

FIGURE 03
PAGE 03



B & C SERIES AGITATOR/OUTRIGGER
OPTION SCHEMATIC

DATE
11/7/01

REV. PART NO.
86707

CODE	DESCRIPTION	PART NO.	QTY.
P2	Gear Pump, Parts, Group 40		
CYL3	Hydraulic Outrigger Cylinder	86220	2
DV1	Directional Valve Agitator/Outrigger	86329	1
RV3	Relief Valve Cartridge	85706	1
M1	Agitator Motor, Parts, Group 20		
SV5	Solenoid Valve	85815	1
	Coil For SV5	85702	1
SS2	Magnetic Suction Strainer 1 1/4"	79247	1



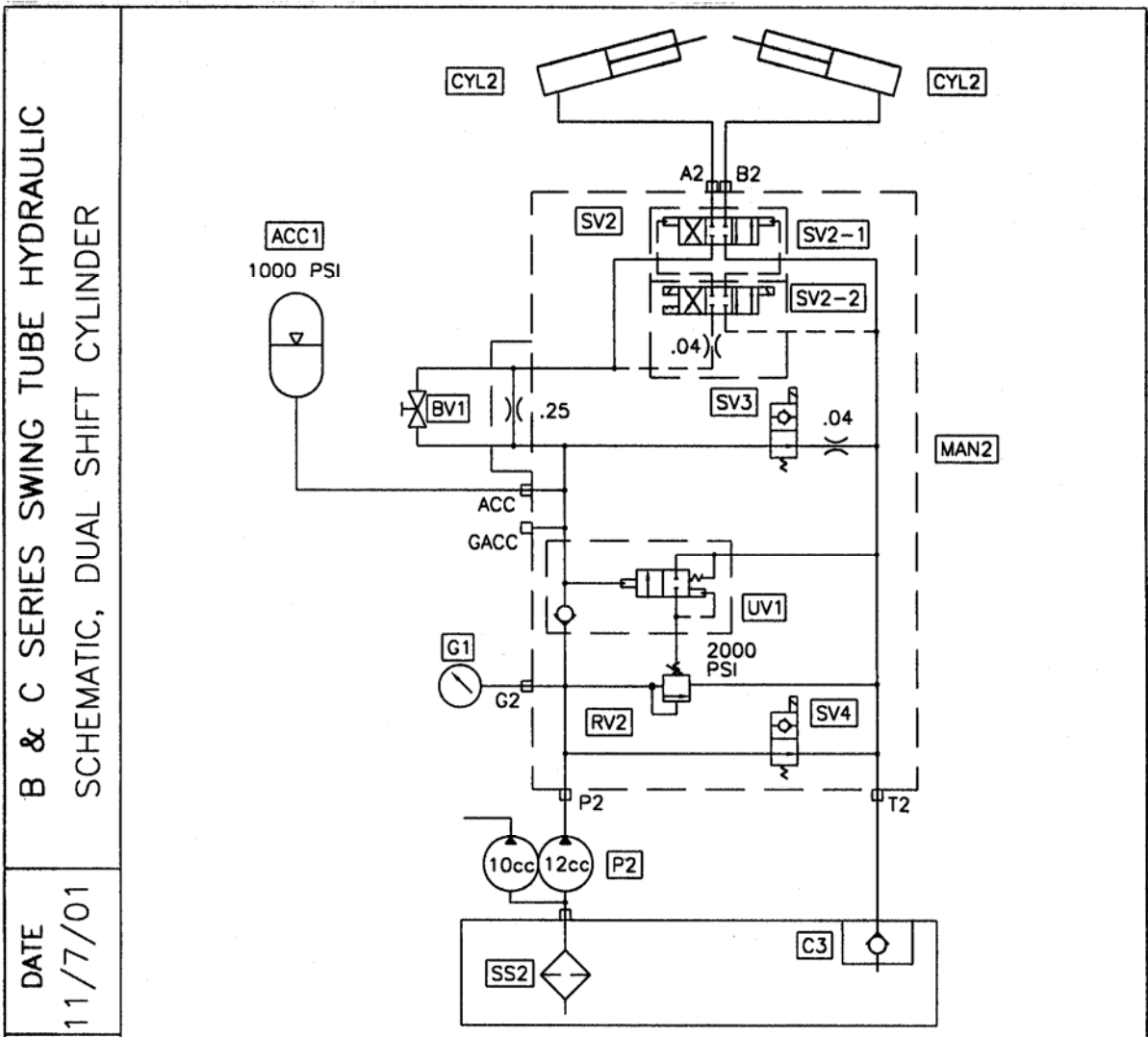
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**TRAILER MOUNTED PUMP MODEL B50
AGITATOR / OUTRIGGER OPTION CIRCUIT
HYDRAULIC COMPONENTS & SCHEMATIC**

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FIGURE 04
PAGE 04



B & C SERIES SWING TUBE HYDRAULIC
SCHEMATIC, DUAL SHIFT CYLINDER

DATE
11/7/01

REV.

PART NO.
86706



CODE	DESCRIPTION	PART NO.	QTY.
P2	Gear Pump, Parts, Group 40		
CYL2	S Tube Single Shift Cylinder	86220	2
MAN2	Manifold S Tube Circuit	85249	1
SV2	Solenoid Valve S Tube Circuit	85693	1
SV2-1	Solenoid Valve Main	85694	1
SV2-2	Solenoid Valve Pilot	85695	1
	Coil For SV2-2	85692	2
SV3	Solenoid Valve Cartridge	85699	1
	Coil For SV3	85700	1
SV4	Solenoid Valve Cartridge	85701	1
	Coil For SV4	85702	1
RV2	Relife Valve Cartridge	85703	1
UN1	Unloading Valve Cartridge	85704	1
BV1	Ball Valve	85705	1
ACC1	Accumulator	74515	1
	Accumulator, Bladder	74516	1
G2	Pressure Gauge 3000 PSI	70366	1
SS2	Magnetic Suction Strainer 1 1/4"	79247	1
C3	Check Valve	85574	1

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**TRAILER MOUNTED PUMP MODEL B50
HYDRAULIC HOSE KIT**

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**FIGURE 05
PAGE 05**

HOSE KIT 86365

Part No.	End #1	End #2
85666-001	Main Pump "P"	Cylinder Manifold "P1"
85666-001	Cylinder Bulkhead "A"	Cylinder "A"
85666-006	Cylinder Bulkhead "B"	Cylinder "B"
85659-001	Main pump load sense	Cylinder Manifold "LS"
85657-005	Main pump case drain	Tank return
85654-001	Cylinder Manifold "T1"	Oil Cooler "IN"
85654-001	Oil Cooler "OUT"	Return Filter Bulkhead
85659-002	Check Loop	
85659-002	Check Loop	
85659-002	Check Loop	
85659-002	Check Loop	
85659-002	Check Loop	
85663-002	Tank Suction	Tandem Pump "S"
85657-002	Tandem Pump 12cc"P"	S-Tube Manifold "P2"
85667-001	S-Tube Manifold "ACC"	Acumulator
85657-002	Bulkhead "A"	Left shift cylinder bore side
85657-002	Bulkhead "B"	Right shift cylinder bore side
85657-003	Tandem Pump 10cc"P"	Bulkhead Tee "P"
85657-002	Bulkhead Tee "P"	Bypass Valve "1"
85657-016	Bulkhead "T"	Bulkhead "P"
85657-004	Bulkhead "T"	Cylinder Manifold "T1"

SUCTION HOSES - POWER TRAIN

Part No.	End #1	End #2
85660-001	Tank Suction	Main Pump "S"
85661-001	Tank Suction	Main Pump "S"
85662-001	Tank Suction	Main Pump "S"

FUEL HOSES - 86344 FUEL GROUP

Part No.	End #1	End #2
85669-001	Fuel Tank Suction	Fuel Filter "IN"
85669-005	Fuel Filter "OUT"	Engine
74716	Engine	Fuel Tank Return

CONTROL VALVE GROUP - 86329

Part No.	End #1	End #2
85657-016	Bulkhead "P"	Agitator Valve "P"
85658-011	Agitator Valve "A"	Agitator Motor "A"
85658-010	Agitator Valve "B"	Agitator Motor "B"

HYD OUTRIGGER GROUP - 86334

Part No.	End #1	End #2
85659-010	O/R Valve "A"	RH Outrigger Bore
85659-010	O/R Valve "B"	RH Outrigger Rod
85659-010	O/R Valve Tube "A"	LH Outrigger Bore
85659-010	O/R Valve Tube "B"	LH Outrigger Rod

WATER PUMP - 86400

Part No.	End #1	End #2
85657-021	Agitator Valve "PB"	Bulkhead "P"
85657-023	Bulkhead "P"	Water Valve "P"
85657-023	Water Valve "T"	Tank
85658-002	Water Valve "B"	Motor "A"
85658-002	Water Valve "A"	Motor "B"
85657-022	Water Relief	Water Suction

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**TRAILER MOUNTED PUMP MODEL B50
ELECTRICAL COMPONENTS (1 OF 2)**

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FIGURE 06
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Code	Description	Part No.	Qty	Location
SWITCHES				
1S1	Key Switch	71154	1	Control Panel
2S2	Toggle Switch, Horn	85347	1	Control Panel
3S3	Toggle Switch, Local/Remote	78563	1	Control Panel
3S4	Toggle Switch, Pump On/Reverse	72003	1	Control Panel
3S5	Toggle Switch, Test A/B	85346	1	Control Panel
3S6	E-Stop Switch	85342	1	Control Panel
	Contact Block, 1NC for 3S6	85343	1	Control Panel
3S7	E-Stop Switch	85342	1	Remote Control
	Contact Block, 1NC for 3S7	85343	1	Remote Control
3S8	Toggle Switch, Horn	85347	1	Remote Control
3S9	Toggle Switch, Pump On/Reverse	72003	1	Remote Control
RELAYS				
1K1	Relay, Engine Start	85348	1	Engine
LIGHTS				
1L1	Light, Green, Control On	85355	1	Control Panel
1L2	Light, Red, Oil Temperature	73775	1	Control Panel
1L3	Light, Red, Coolant Level	73775	1	Control Panel
1L4	Light, Red, Oil Pressure	73775	1	Control Panel
1L5	Light, Red, Alternator	73775	1	Control Panel
	Bulb for 1L2, 1L3, 1L4, 1L5	72022	4	Control Panel
2L6	Bulb, E-Stop	85344	1	Control Panel
2L7	Light, Green, Local	85355	1	Control Panel
3L8	Light, Yellow, Remote	85356	1	Control Panel
3L9	Light, Green, Pump On	85355	1	Control Panel
3L10	Light, Green, Reverse	85355	1	Control Panel
3L11	Bulb, E-Stop	85344	1	Remote Control
3L12	Light, Green, Pump On	85355	1	Remote Control
GAUGES				
1G1	Hour Meter	74240	1	Control Panel
1G2	Tachometer	78687	1	Control Panel
1G3	Coolant Temperature Gauge	78203	1	Control Panel

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**TRAILER MOUNTED PUMP MODEL B50
ELECTRICAL COMPONENTS (2 OF 2)**

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**FIGURE 06
PAGE 07**

Code	Description	Part No.	Qty	Location
FUSES				
1F1	Fuse, 25A	800447	1	Control Panel
1F2	Fuse, 15A	90391	1	Control Panel
1F3	Fuse, 5A	90392	1	Control Panel
2F4	Fuse, 10A	800449	1	Control Panel
2F5	Fuse, 10A	800449	1	Control Panel
2F6	Fuse, 5A	90392	1	Control Panel
2F7	Fuse, 5A	90392	1	Control Panel
2F8	Fuse, 10A	800449	1	Control Panel
	Fuse Block, 8 Way	85354	1	Control Panel
SOLENOID VALVE COILS				
1Y1	Coil, Fuel Solenoid	Deutz	1	Engine
1Y2	Coil, Accumulator Bypass	85700	1	S-Tube Manifold
1Y3	Coil, S-Tube Bypass	85702	1	S-Tube Manifold
1Y4	Coil, Agitator Bypass	73184	1	Hyd. Tank
2Y5	Coil, Cylinder "B"	85692	1	S-Tube Manifold
2Y6	Coil, Cylinder "A"	85692	1	S-Tube Manifold
2Y7	Coil, S-Tube Shift "A"	85692	1	Pump Manifold
2Y8	Coil, S-Tube Shift "B"	85692	1	Pump Manifold
	Plugs for 1Y2 thru 2Y8	74597	7	Manifolds
MISCELLANEOUS				
2BB1	Black Box, Pump Control	85334	1	Control Box
2BB2	Black Box, E-Stop Logic	85596	1	Control Box
2P1	Proximity Switch, Cyl "B"	77998	1	Water Box
2P2	Proximity Switch, Cyl "A"	77998	1	Water Box
2H1	Horn	800347	1	Control Box
3R1	Resistor, 100 Ohm	72777	1	Remote Control
CONNECTORS				
X1	Connector Insert, 24 Pin, Female	78696	1	Control Box
X1	Connector Base	78697	1	Control Box
X1	Connector Insert, 24 Pin, Male	78695	1	Harness
X1	Connector Hood	800424	1	Harness
X2	Terminal Block	72820	8	Control Box
X3	Connector Insert, 10 Pin, Female	79963	1	Control Box
X3	Connector Base	79965	1	Control Box
X3	Connector Insert, 10 Pin, Male	79964	1	Remote Control
X3	Connector Hood	79966	1	Remote Control
X4	Connector, Engine, White	72926	1	Harness
X5	Connector, Engine, Yellow	76902	1	Harness

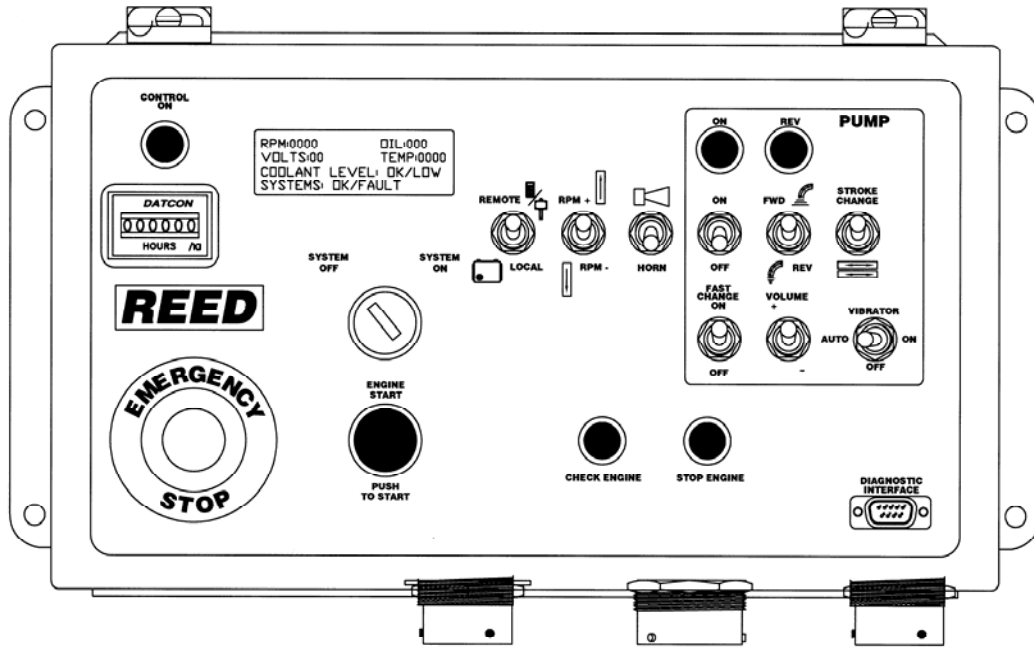
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TRAILER MOUNTED PUMP MODEL B50 CONTROL PANEL ELECTRICAL COMPONENTS

SCMTC

FIGURE 06
PAGE 09



CONTROL BOX WITH COVER REMOVED

VOLUME CONTROL

MAIN HYDRAULIC PUMP

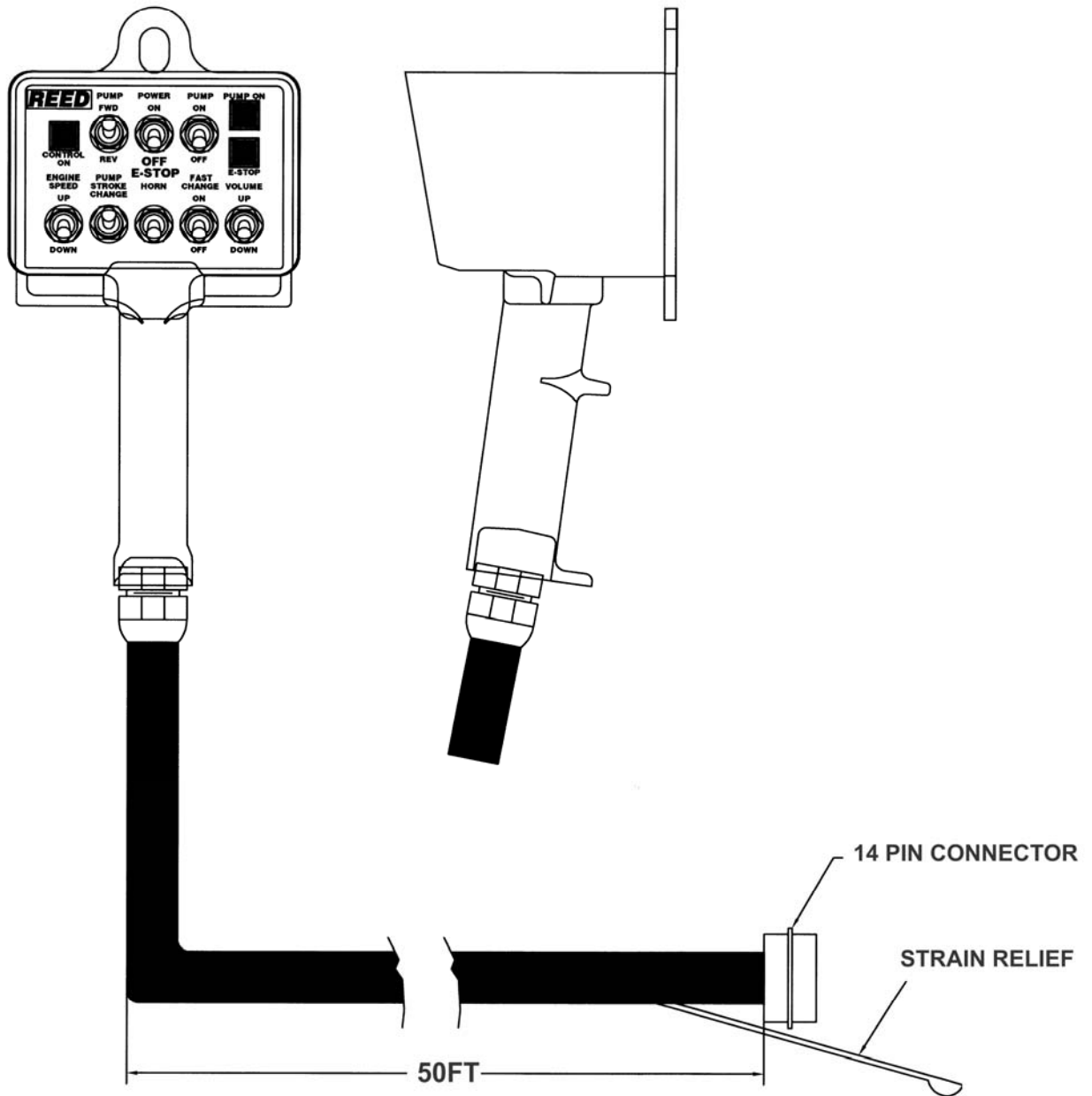


TRAILER MOUNTED PUMP MODEL *B50*
CABLE REMOTE CONTROL
ELECTRICAL COMPONENTS

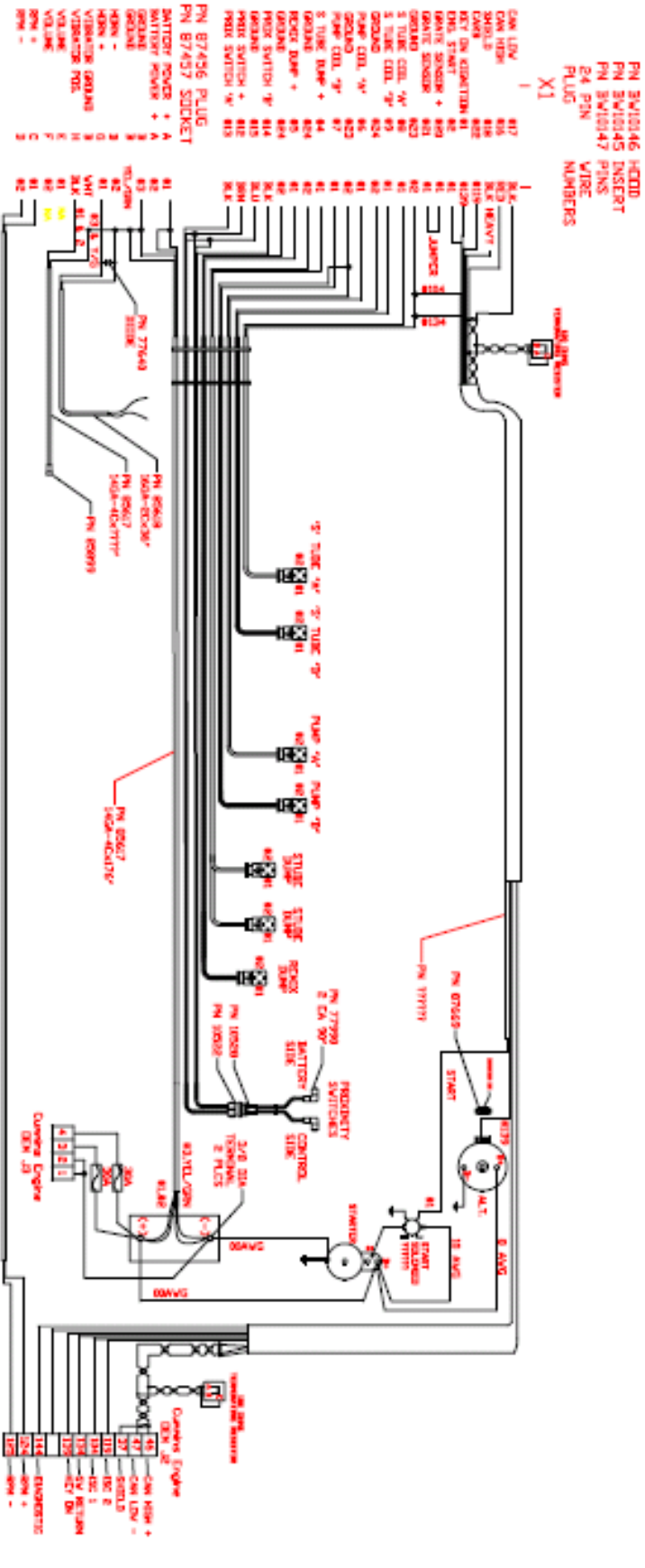
OPER.

FIGURE 07
PAGE 10

CONTROL BOX PENDANT - CABLE REMOTE CONTROL UNIT - PN 87347-1

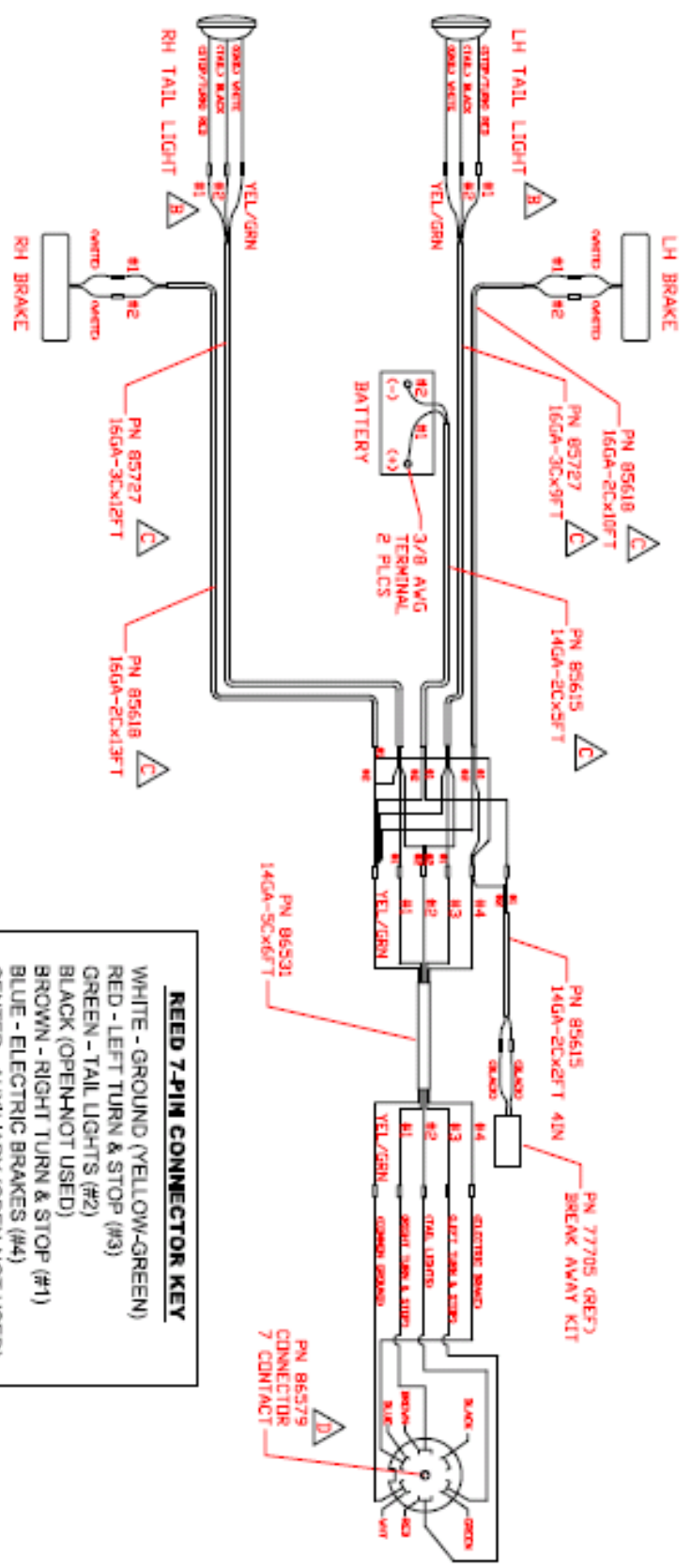


REVISION:



DRAWING NO. REV DATE		DATE		ELECTRICAL SCHEMATIC		B-SERIES	
				SCMTC		FIGURE08	
87734		A		S/R/S/R/V		B-SERIES	

REED

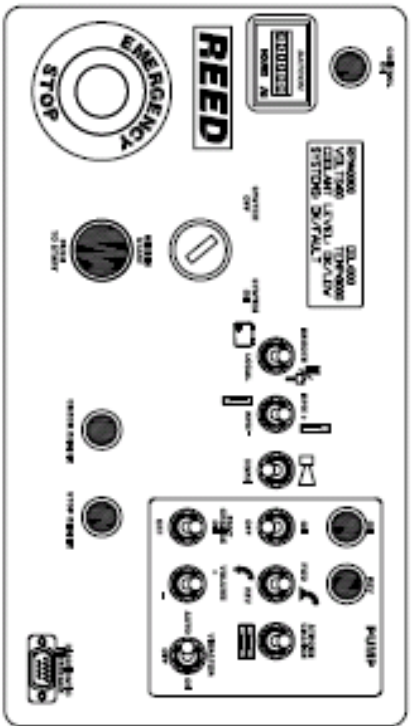


REED 7-PIN CONNECTOR KEY

WHITE - GROUND (YELLOW-GREEN)
RED - LEFT TURN & STOP (#3)
GREEN - TAIL LIGHTS (#2)
BLACK (OPEN-NOT USED)
BROWN - RIGHT TURN & STOP (#1)
BLUE - ELECTRIC BRAKES (#4)
CENTER - AUXILIARY (OPEN-NOT USED)

NOTES:
1. ALL CONNECTIONS SOLDERED AND INSULATED WITH HEAT SHRINK TUBING.

REED	ELECTRICAL SCHEMATIC		B-SERIES SCMTC FIGURE09
	DRAWING NO. 86533	REV. DATE 3/18/01	

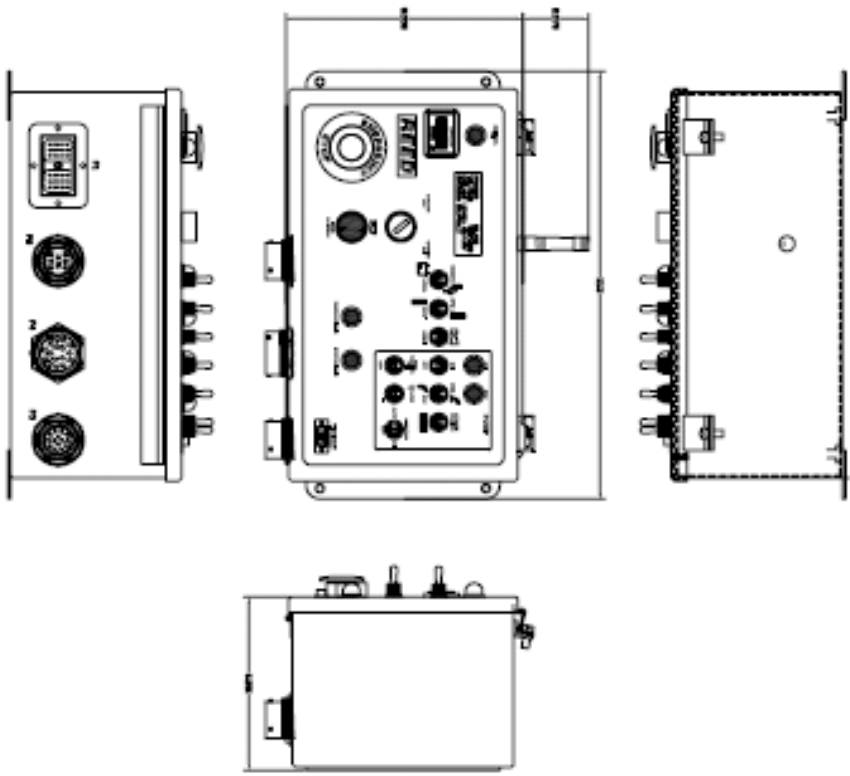


CONTROL PANEL DETAIL-SCALE 2X

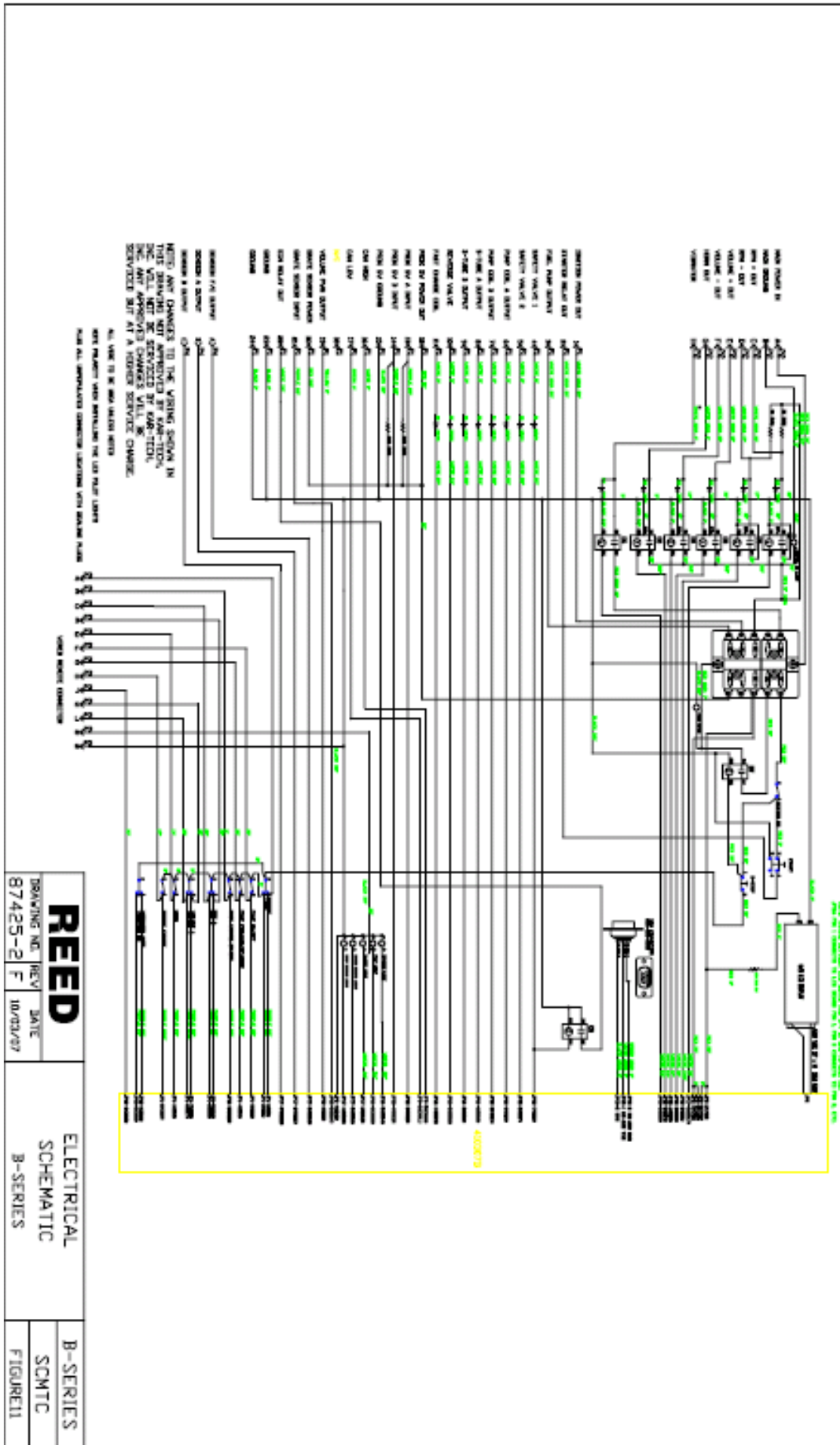
CONNECTORS - DATA

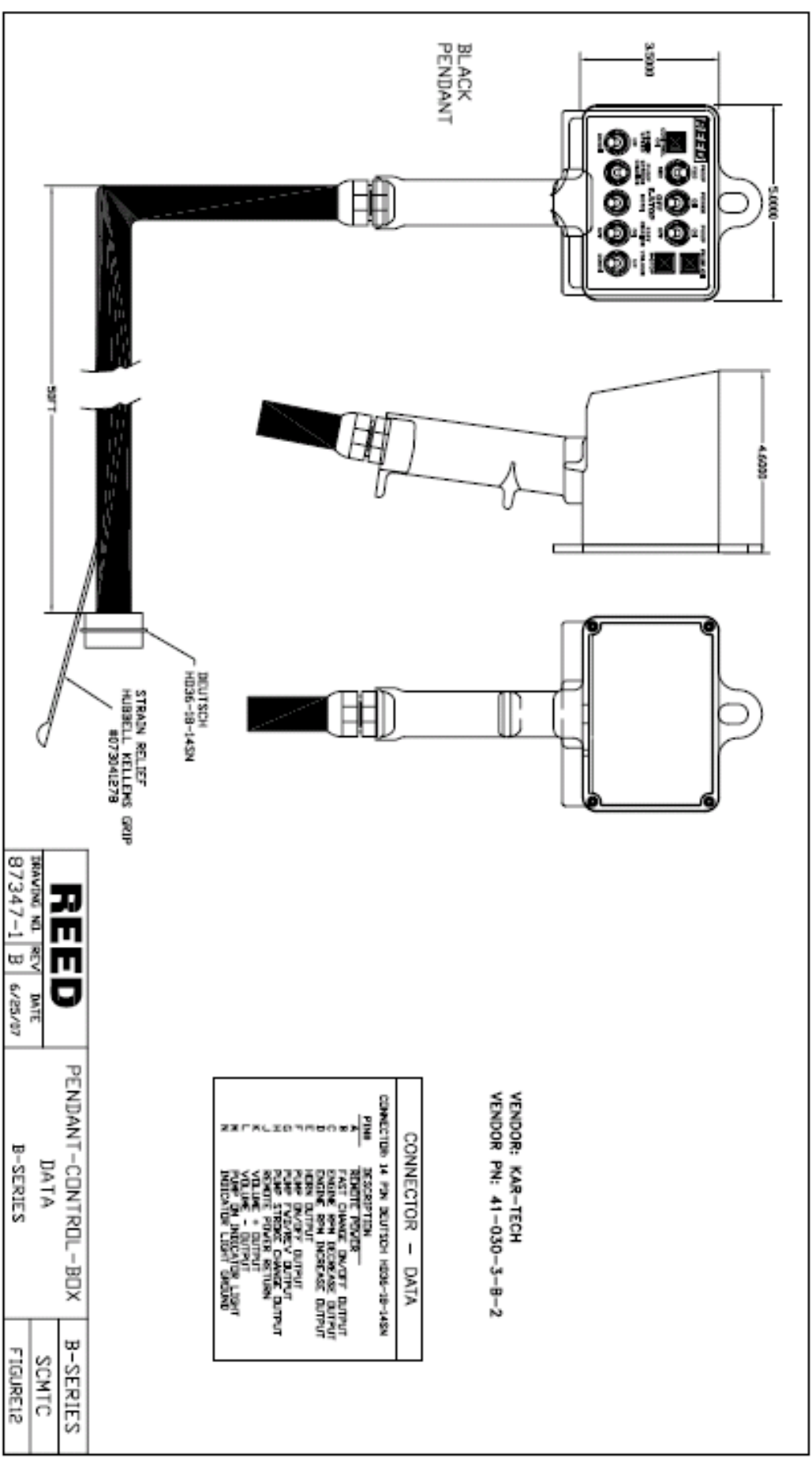
CONNECTOR P4 24 PIN BUSHING INCR-24IN		CONNECTOR P8 8 PIN BUSHING HIGH-28-28IN	
PIN	DESCRIPTION	PIN	DESCRIPTION
1	STARTER POWER OUT	8	BATTERY POWER (24 VDC)
2	STARTER SOLAR OUT	9	BATTERY GROUND
3	FUEL PUMP OUTPUT	10	IGN + IGNITE
4	SELECTIVE SWAP 1 INPUT	11	IGN - GROUND
5	SELECTIVE SWAP 2 INPUT	12	IGN + IGNITE
6	PUMP CELL 1 OUTPUT	13	IGN + IGNITE
7	PUMP CELL 2 OUTPUT	14	IGN + IGNITE
8	3-WIRE A OUTPUT	15	IGN + IGNITE
9	3-WIRE B OUTPUT	16	IGN + IGNITE
10	SCREW VALVE	17	IGN + IGNITE
11	FACT CHANGE DEL.	18	IGN + IGNITE
12	POWER SV POWER OUT	19	IGN + IGNITE
13	POWER SV 1 INPUT	20	IGN + IGNITE
14	POWER SV 2 INPUT	21	IGN + IGNITE
15	POWER SV GROUND	22	IGN + IGNITE
16	CAN HIGH	23	IGN + IGNITE
17	CAN LOW	24	IGN + IGNITE
18	VOLT CONNECTOR		
19	WATER PUMP CONTROL		
20	WATER PUMP GROUND		
21	WATER PUMP SENSING		
22	WATER PUMP SENSING		
23	WATER PUMP SENSING		
24	WATER PUMP SENSING		

P1 - 100A-150A - VOLT INPUT AND OUTPUT FUNCTIONS
P2 - 100A-150A - FUSED AND GROUND INPUT/OUTPUT
P3 - 100A-150A - VIBRO SOCKET FLOOR CONNECTOR
P4 - 100A-150A - AUXILIARY CONNECTOR
ALL CONNECTORS ARE 7/8" DIA
*ADAPT TO VARIOUS SIZE TERMINAL BLOCKS AND WIRING



REED	BOARDING NO.	REV.	DATE	MAIN-CONTROL-BOX DATA B-SERIES	B-SERIES SCMTC FIGURE10
	87346-2	E	7/23/07		

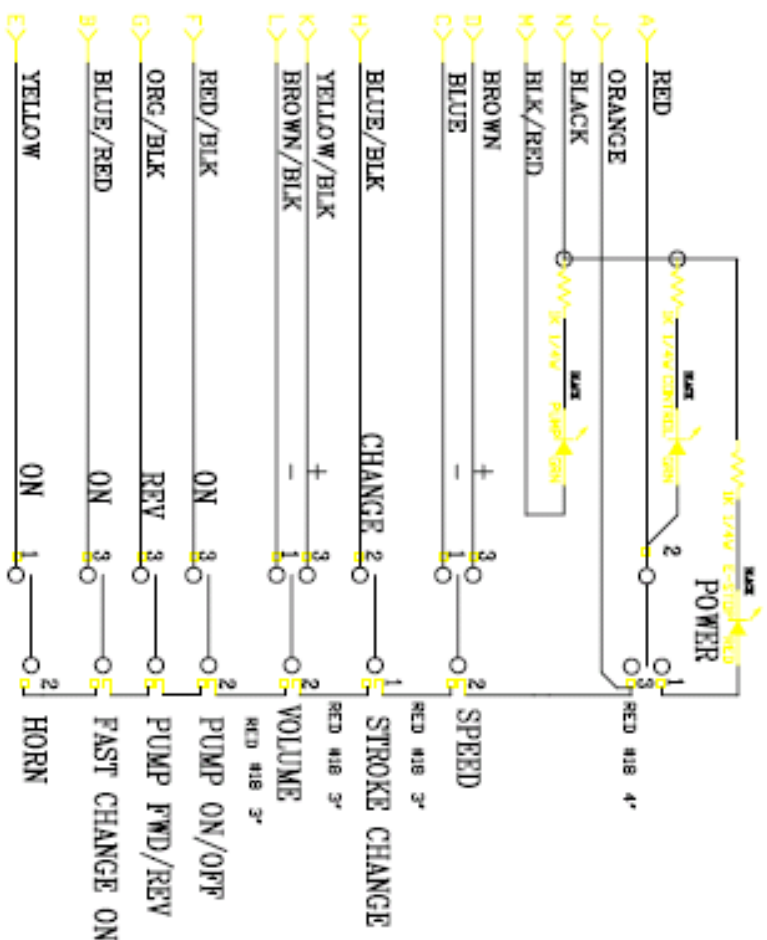




VENDOR: KAR-TECH
VENDOR PN: 41-030-3-B-2

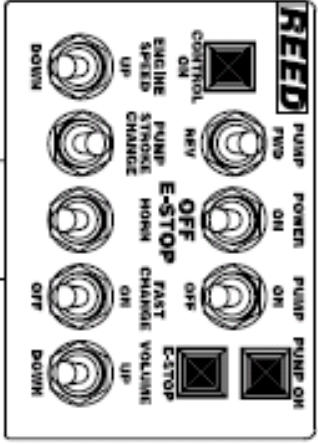
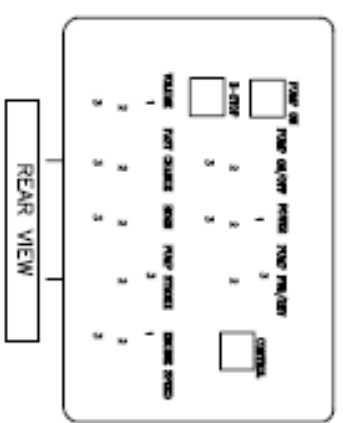
CONNECTOR -- DATA	
CONNECTOR	14 PIN DEUTSCH HD36-18-14SN
PIN#	DESCRIPTION
A	REMOTE POWER
B	FACT CHANGE IN/OUT OUTPUT
C	ENGINE RPM INCREASE OUTPUT
D	ENGINE RPM INCREASE OUTPUT
E	ALARM OUTPUT
F	ALARM OUTPUT
G	PUMP INCREASE OUTPUT
H	PUMP INCREASE OUTPUT
I	REMOTE POWER CHANGE OUTPUT
J	REMOTE POWER RETURN
K	VOLUME * OUTPUT
L	VOLUME * OUTPUT
M	VOLUME * OUTPUT
N	RETRACTOR (PENDING) 1500T
	RETRACTOR (PENDING) 1500T

REED		PENDANT-CONTROL-BOX		B-SERIES	
TRAVELING NO.	REV	DATE	DATA	SCMTC	
87347-1	B	6/28/97	B-SERIES	FIGURE12	



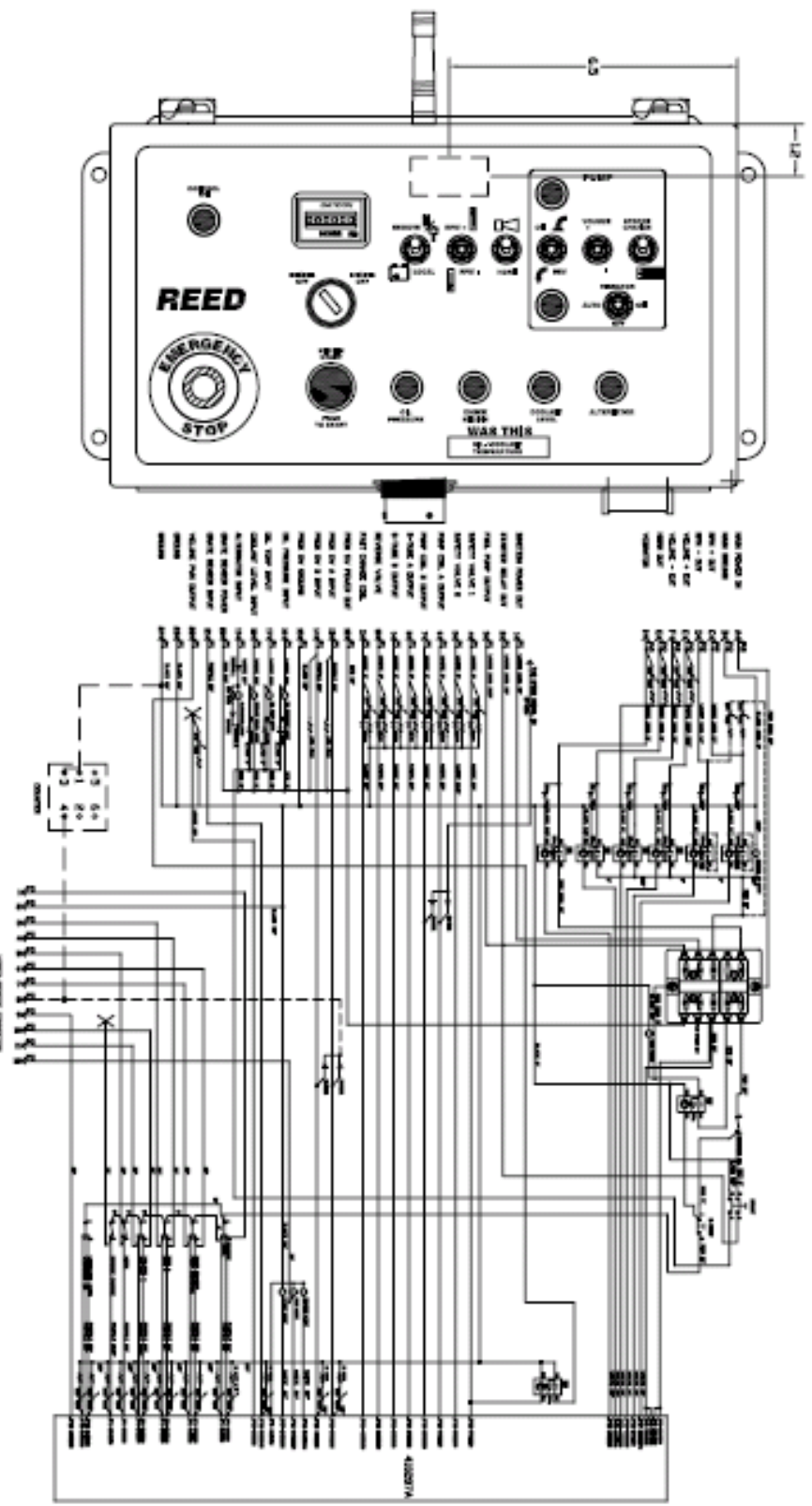
50 FEET 16 COND.
P/N 020-050-1619
SO THROUGH
COMP. FITTING.
CUT JACKET TO 6" INSIDE THE BOX
CUT JACKET TO 1.5" ON THE OPPOSITE END
SHRINK WRAP CONNECTOR TO CABLE

PIGGY BACK PUSHON
STRAIGHT PUSHON



REED	DRAWING NO.	REV	DATE	PENDANT-CONTROL-BDX ELECTRICAL-SCHEMATIC	B-SERIES SCMTC
	87347-1	B	6/25/07		

VENDOR: KAR-TECH
VENDOR P/N: 41-030-4-B-8
WIRED REMOTE PENDANT WIRING DIAGRAM



REED	TRAWING NO	REV	DATE	ELECTRICAL SCHEMATIC	B-SERIES SCMTC
	B7752	-	6/13/97		

TRANSMITTER-TEACH/RESET PROCEDURES

START HERE

TRANSMITTER SET UP

STEP 1

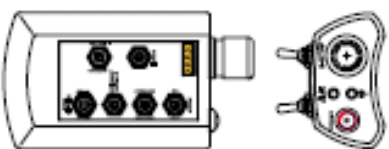
TURN OFF RADIO FIRST BY PUSHING AND HOLDING THE POWER BUTTON ON THE TOP OF THE TRANSMITTER.

SPECIAL NOTE:

IF THE TRANSMITTER IS STILL ON THE GREEN LED WILL LIGHT WHEN ANY SWITCH OTHER THAN THE POWER BUTTON IS PRESSED.

STEP 2

PRESS AND HOLD PUMP ON, PWR., STROKE CHANGE AND REVERSE SWITCHES UNTIL ALL THREE RED LED SWITCHES ARE FLASHING. THEN RELEASE ALL SWITCHES. RETURN PUMP CAUSE SWITCH TO OFF AND PUMP/STITCH TO FORWARD. THE RED AND GREEN LED'S SHOULD FLASH ALTERNATELY. PROCEED TO THE CONTROL BOX SETUP NEXT.



TRANSMITTER

CONTROL BOX SET UP

STEP 3

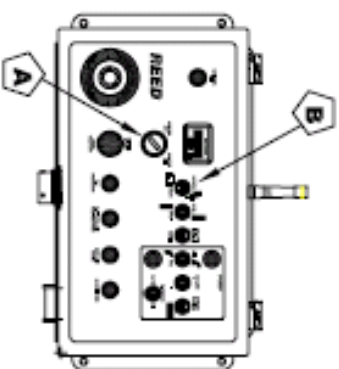
SET THE CONTROL TOLKNOB **B**

TURN ON (ON) ON KEY **A**

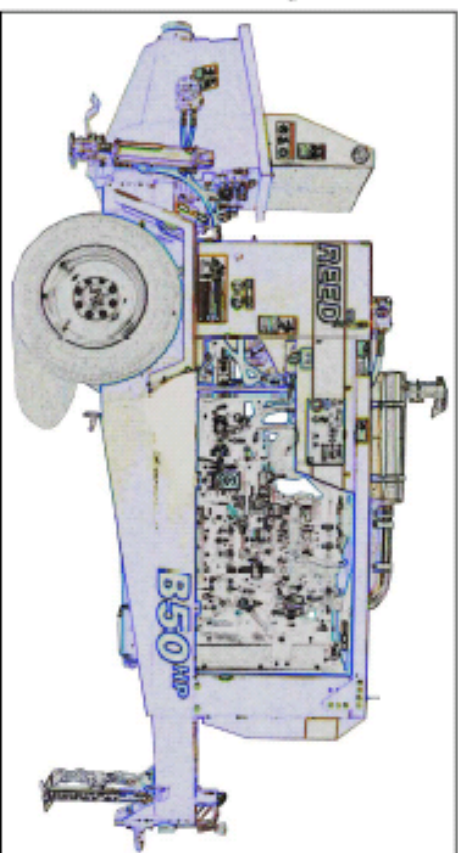
SPECIAL NOTE:
ENGINE DOES NOT NEED TO BE STARTED

STEP 4

THE TWO LED'S ON THE TRANSMITTER WILL STOP ALTERNATELY FLASHING. THEY WILL COME ON STEADY TOGETHER FOR A FEW SECONDS AND THEN GO OFF. WHEN THE TRANSMITTER AND RECEIVER ARE CORRECTLY SET UP FOR COMMUNICATION SET THE CONTROL BOX TO "RECEIVER" AND THE SYSTEMS READY TO BE USED. IF THE CONTROL BOX DOES NOT SUCCESSFULLY RECEIVE COMMANDS FROM THE TRANSMITTER, REPEAT THE PROCEDURE FROM STEP 1.



CONTROL BOX



REED	TRAVELING NO.	REV	DATE	TRANSMITTER-RF-1D TEACH-PROCEDURES B-SERIES	B-SERIES SCMTC FIGURE14
	NPN	-	10/09/07		

REED TRAILER MOUNTED CONCRETE PUMP 06 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** STANDARD HOPPER WITH SINGLE SHIFT INSTALLATION
- FIGURE 02** STANDARD HOPPER WITH DUAL SHIFT INSTALLATION
- FIGURE 03** DECAL ASSEMBLY

GROUP 20 HOPPER INSTALLATION

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

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

GROUP 70 FRAME INSTALLATION

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

GROUP 80 OPTIONAL INSTALLATION

FIGURE 00	TABLE OF CONTENTS
FIGURE 01	OPTIONAL INSTALLATION
FIGURE 02	CENTRALIZED LUBE BLOCK ASSEMBLY
FIGURE 03	AUTOLUBE 12 VOLT LUBE PUMP ASSEMBLY
FIGURE 04	12 VOLT LUBE PUMP ASSEMBLY
FIGURE 05	HOPPER VIBRATOR ASSEMBLY
FIGURE 06	ACCUMULATOR CHARGE KIT
FIGURE 07	OPTIONAL TOOL KIT ASSEMBLY
FIGURE 08	SURGE BRAKES ASSEMBLY-PINTLE HITCH
FIGURE 09	WATER PUMP INSTALLATION
FIGURE 10	WATER PUMP CONTROL VALVE ASSEMBLY
FIGURE 11	WATER PUMP MOTOR ASSEMBLY
FIGURE 12	WATER PUMP ASSEMBLY
FIGURE 13	NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
FIGURE 14	OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
FIGURE 15	HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY
FIGURE 16	1 SPOOL CONTROL VALVE ASSEMBLY
FIGURE 17	1 SPOOL CONTROL VALVE SUB-ASSEMBLY
FIGURE 18	2 SPOOL CONTROL VALVE ASSEMBLY
FIGURE 19	2 SPOOL CONTROL VALVE SUB-ASSEMBLY
FIGURE 20	TIRE & WHEEL ASSEMBLY - ALUMINUM
FIGURE 21	50 FEET STROKE COUNTER REMOTE CONTROLLER



SHOWN MODEL: STANDARD HOPPER WITH DUALSHIFT SWING CYLINDER UNIT



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

B50
PARTS
GROUP 00
FIGURE 01
PAGE 01

I. PURPOSE

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

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

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

1. This area refers to the corresponding illustration

MODEL – GROUP – FIGURE – PAGE

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

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

00	MODEL B50 PARTS MANUAL
10	FINAL INSTALLATION
20	HOPPER INSTALLATION
30	TANK INSTALLATION
40	POWER TRAIN INSTALLATION
50	CONTROL INSTALLATION
60	PUMPING TRAIN INSTALLATION
70	FRAME INSTALLATION
80	OPTIONAL INSTALLATION

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

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

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

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



TRAILER MOUNTED PUMP MODEL B50 HOW TO USE PART MANUAL

B50
PARTS
GROUP 00
FIGURE 01
PAGE 02

DUAL SHIFT SWING VALVE ASSEMBLY

01 B40
PARTS
GROUP 60
FIGURE 04
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

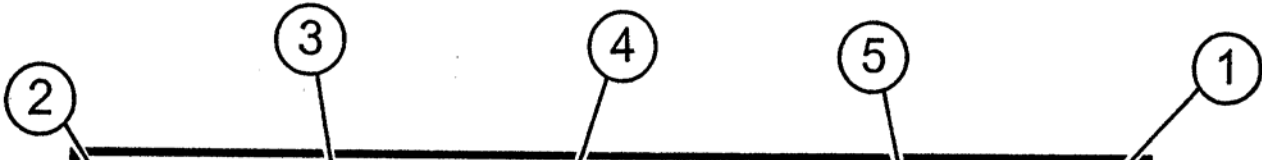
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TRAILER MOUNTED PUMP MODEL B50 HOW TO USE PART MANUAL

B50
PARTS
GROUP 00
FIGURE 01
PAGE 03



DUAL SHIFT SWING VALVE ASSEMBLY

01 B40
PARTS
GROUP 60
FIGURE 04
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



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

B50
PARTS
GROUP 00
FIGURE 01
PAGE 04

4. DESCRIPTION

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

1 2 3 4 5

Assembly (or Installation)

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

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

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

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

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

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

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

5. QUANTITY

A. Reference (**REF**) indicates the items that is listed previously in the Next Higher Assembly (**NHA**) and then again in this figure.

B. As Required (**A/R**) indicates the parts that is used in a quantity as required.

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

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



TRAILER MOUNTED PUMP MODEL B50 HOW TO ORDER PARTS

B50
PARTS
GROUP 00
FIGURE 02
PAGE 01

1. Always give serial number and model of **REED** trailer mounted concrete pump **06** model **B50**. (Refer to each unit name plate shown below). NOTE: This manual is being released to cover unit starting with serial number **3-09-1-2908** to current production. Some components used on earlier units differ from current productions. Where this occurs, the part is identified by a serial number.

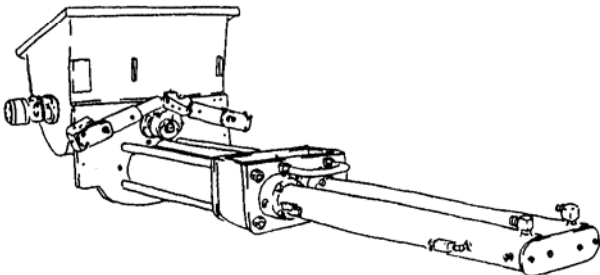
REED		PHONE (909) 287 - 2100	
13822 OAKS AVENUE		FAX (909) 287 - 2140	
CHINO, CA 91710 USA			
MODEL	_____	SERIAL NO	_____
MATERIAL PRESSURE	_____	PSI	_____ 3AR
HYDRAULIC PRESSURE	_____	PSI	_____ 3AR
ENGINE / PTO ELECTRIC MOTOR	_____	RPM	_____ /OLTS
PN 36636			

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

REED

TRAILER MOUNTED PUMP 01 MODEL B40
GROUP 60 PUMPING TRAIN INSTALLATION

01 B40
PARTS
GROUP 60
FIGURE 00
PAGE 01



SHOWN MODEL DUAL SHIFT
HARSH MIX HOPPER UNIT

REED TRAILER MOUNTED CONCRETE PUMP 01 MODEL B45 ILLUSTRATED PARTS MANUAL GROUP 60 PUMPING TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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

REVISION:

REVISION:



TRAILER MOUNTED PUMP MODEL B50 HOW TO ORDER PARTS

B50
PARTS
GROUP 00
FIGURE 02
PAGE 02

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

HOPPER REF (STANDARD P/N: 86107) (HARSH MIX P/N: 86032)

SWING RAM HOUSE REF (RH P/N: 85941) (LH P/N: 85942)

HOPPER REF (STANDARD P/N: 86107) (HARSH MIX P/N: 86032)

REVISION:

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

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
-1	60-04	Assembly, Dual Shift Swing Valve (See Group 60, Figure 02 for NHA)	Ref
-2	86321	• Assembly, Outlet Group	1
3		• • Nut	6
4	72482	• • Outlet, Machine 5"	1
5		• • Fitting, Grease	2
6	79895	• • Kit, Outlet Seal	1
7	77761	• • • O-Ring, Large	1
8	77762	• • • O-Ring, Small	1
9	86504	• • • Seal, Modified Outlet Thick	1
10	77763	• • • Band, Guide	1
11	77765	• • • Seal, Outlet Thick	1
12	72309	• • Housing, Outlet Seal	1
13		• • Bolt, Hex	6
14		• • Nut, Nylock (attaching parts)	6
15		• • Washer, Lock (attaching parts)	6
16	70042	• • Outlet, Chromed	1
17		• • Bolt, Hex (attaching parts)	6
-18	86317	• Assembly, Swing Tube Group	1
19	85965	• • Weldment, Harsh Swing Tube	1
20	86085	• • Seal, 6 Inch Single Lip	1
21	72310	• • Ring, 6 Inch Single Lip Wear	1
22	86031	• • Plate, Wear	1
23	86086	• • Ring, Anti Chip	2
24		• • Bolt, Flat Head	4
25		• • Washer, Lock	4
26		• • Nut, Hex	4
27		• • Bolt, Hex	6
28		• • Washer, Lock	6
29	85962	• • Seal, Flange Bearing	1
30		• • Pin, Dowel	1
31		• • Fitting, Grease 90	2
32	86793	• • Bearing, 3 Inch Spine Flange	1
33	85294	• • Washer, Thrust	1
34	86787	• • Spacer, Swing Tube Rod	1
35	70625	• • Nut, Swing Tube	1
36		• • Pin Cotter	1
-37	86320	• Assembly, Swing Tube Dual Shift Group	1
38		• • Plug, Pipe	4
39	86082	• • Pin, Spring	4
40		• • Fitting, Grease 90	2
41	86441	• • Retainer, Swing Ram	2

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

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

REVISION:



**TRAILER MOUNTED PUMP MODEL *B50*
HOW TO ORDER PARTS**

B50
PARTS
GROUP 00
FIGURE 02
PAGE 03

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

5. TO ORDER

A. BY MAIL

Attention: Parts Department
REED
13822 Oaks Avenue
Chino, CA. 91710

B. BY FAX

(909) 287 - 2141

C. BY PHONE

(909) 287 - 2100

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

REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 10 FINAL INSTALLATION CONTAINS THE FOLLOWING FIGURES:

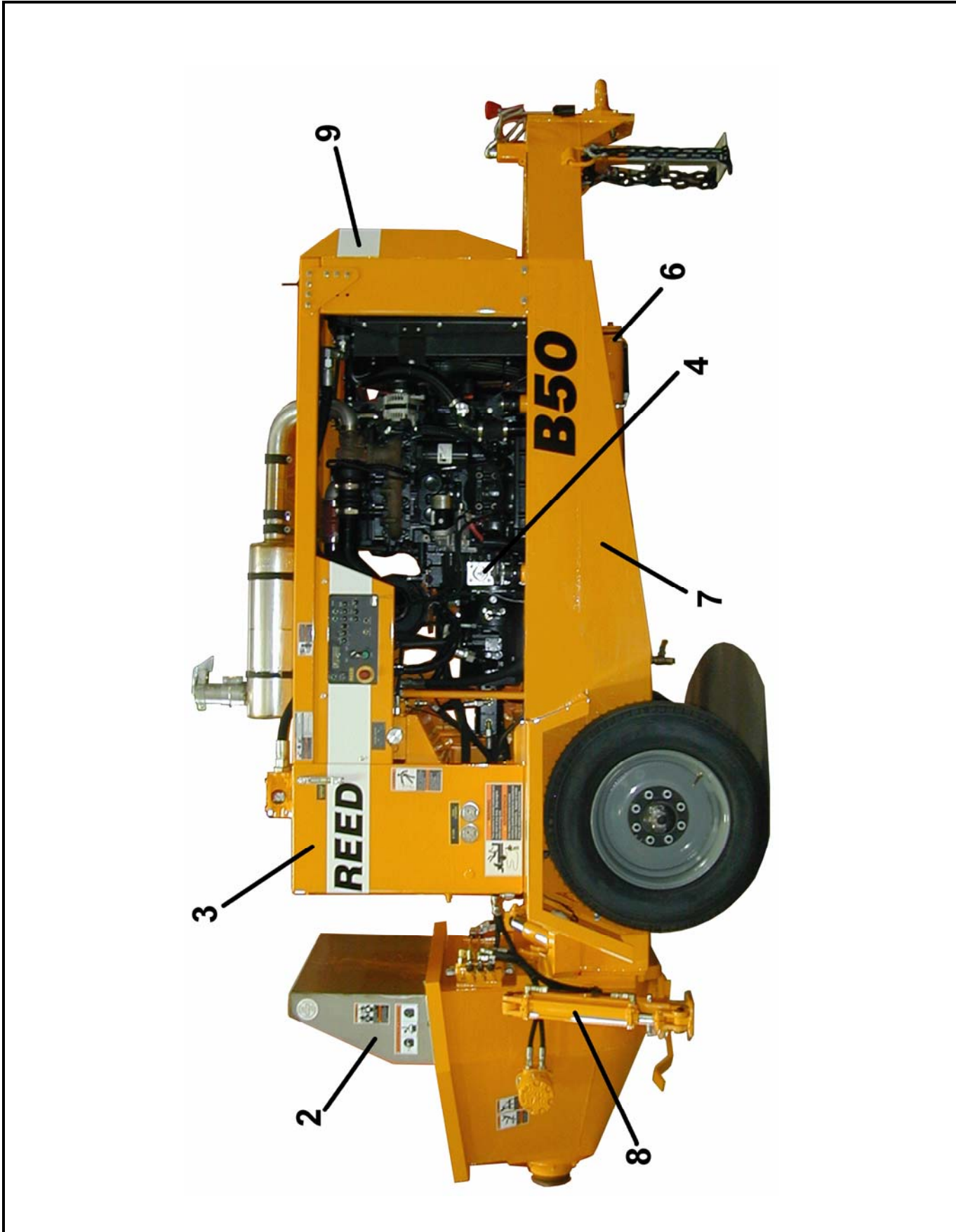
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** STANDARD HOPPER WITH SINGLE SHIFT INSTALLATION
- FIGURE 02** STANDARD HOPPER WITH DUAL SHIFT INSTALLATION
- FIGURE 03** DECAL ASSEMBLY





**STANDARD HOPPER WITH
SINGLE SHIFT FINAL INSTALLATION**

**B50
PARTS**
GROUP 10
FIGURE 01
PAGE 01



REVISION:



STANDARD HOPPER WITH SINGLE SHIFT FINAL INSTALLATION

B50
PARTS
GROUP 10
FIGURE 01
PAGE 02

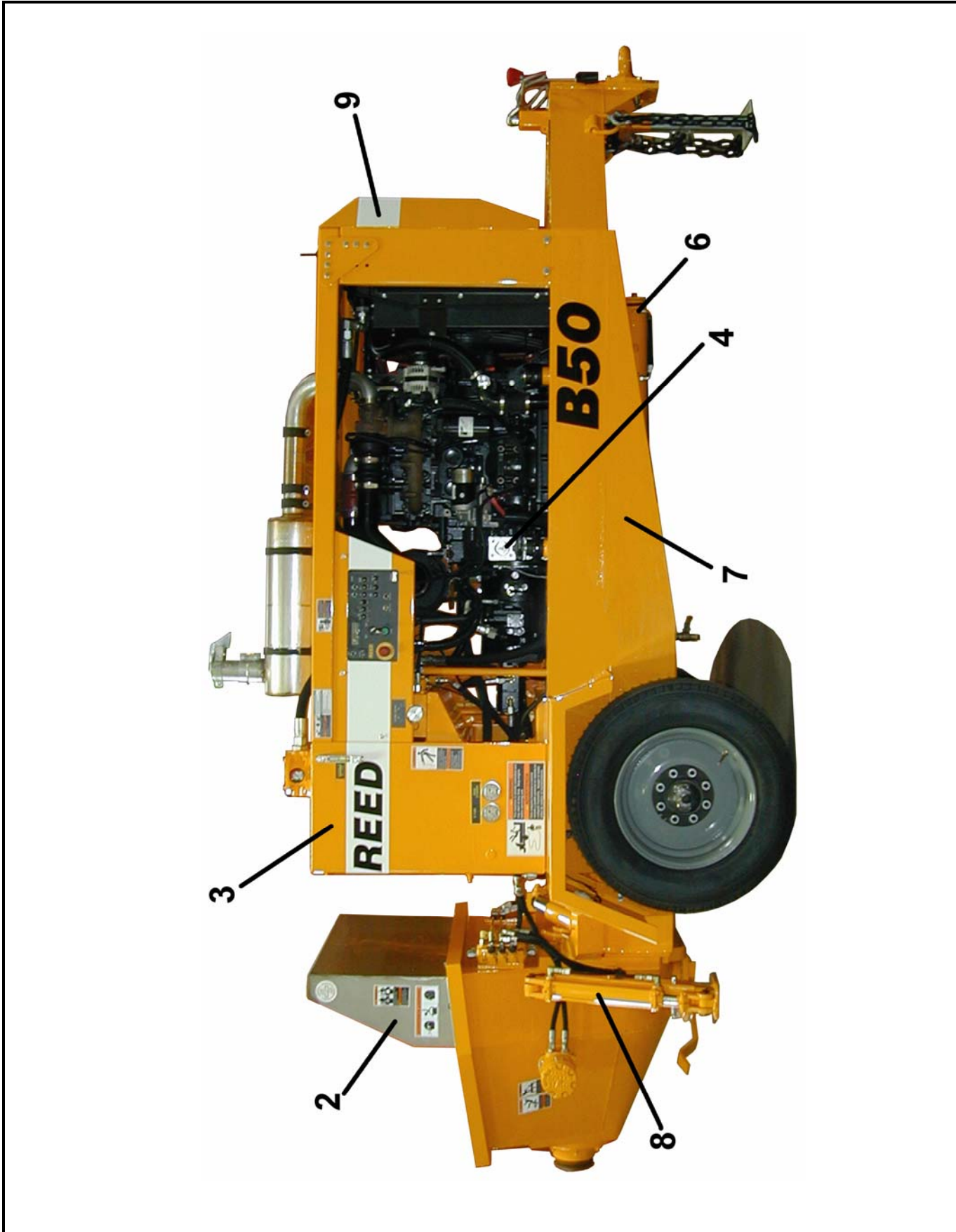
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	B50A-V06	Installation, B50 Standard Hopper with Single Shift Final	Ref
2	20-01	• Installation, Standard Hopper (See Group 20, Figure 01 for DET)	1
3	30-01	• Installation, Tank (See Group 30, Figure 01 for DET)	1
4	40-01	• Installation, Power Train (See Group 40, Figure 01 for DET)	1
5	50-01	• Installation, Control (See Group 50, Figure 01 for DET)	1
6	60-02	• Installation, Single Shift Pumping Train (See Group 60, Figure 02 for DET)	1
7	70-01	• Installation, Frame (See Group 70, Figure 01 for DET)	1
8	80-01	• Installation, Optional (See Group 80, Figure 01 for DET)	1
9	10-05	• Kit, B50 Decal (See Group 10, Figure 05 for DET)	1

REVISION:



STANDARD HOPPER WITH
DUAL SHIFT FINAL INSTALLATION

B50
PARTS
GROUP 10
FIGURE 02
PAGE 01



REVISION:



STANDARD HOPPER WITH DUAL SHIFT FINAL INSTALLATION

B50
PARTS
GROUP 10
FIGURE 02
PAGE 02

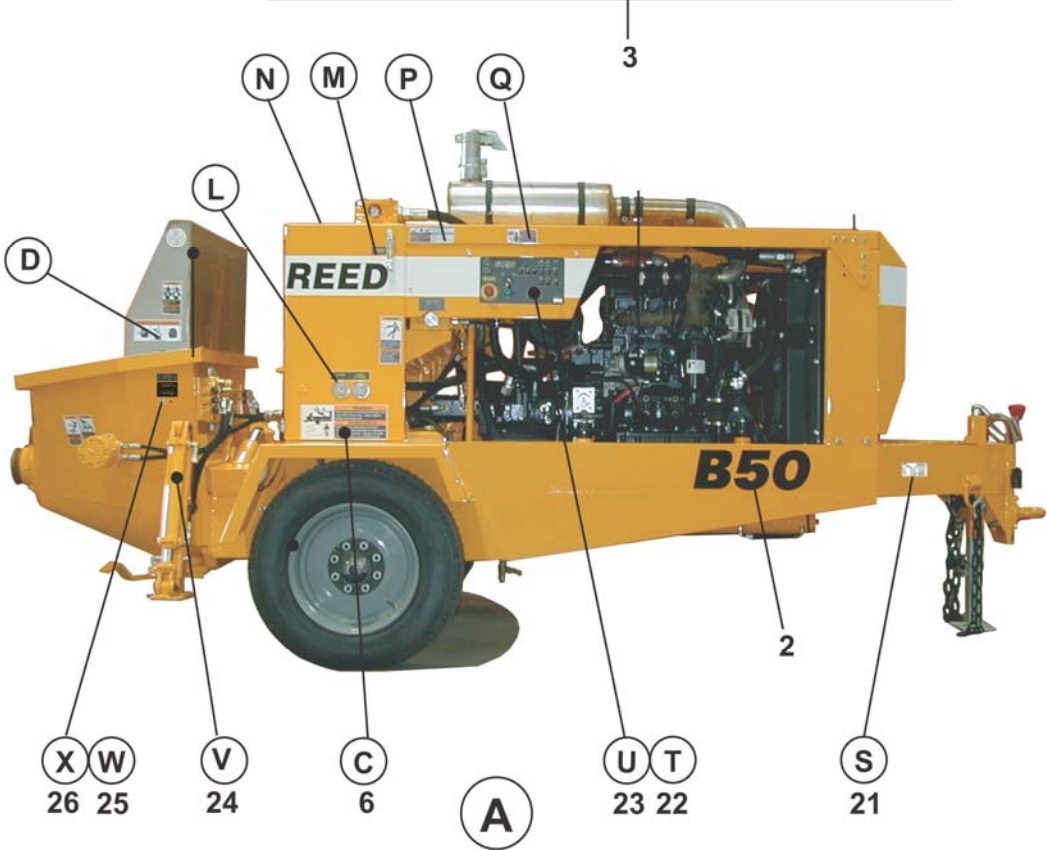
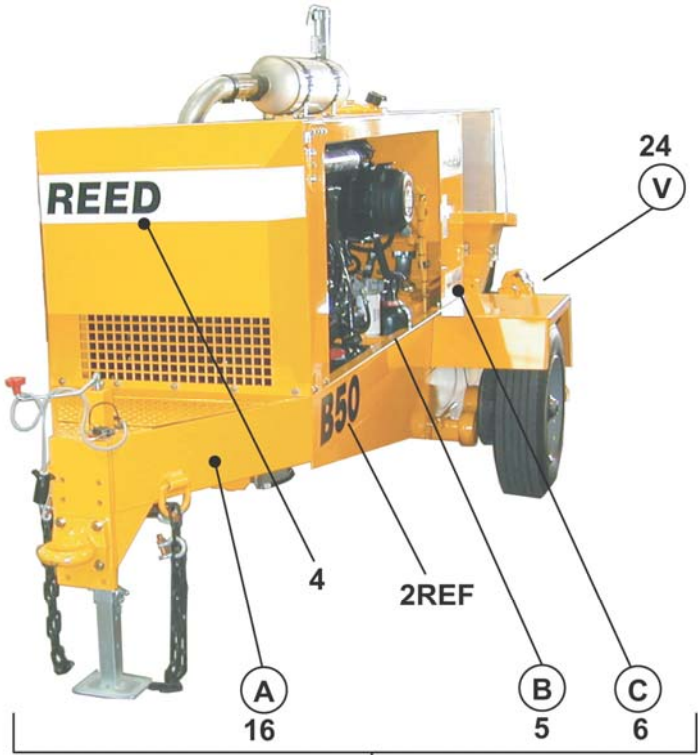
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	B50C-V06	Installation, B50 Standard Hopper with Dual Shift Final	Ref
2	20-01	• Installation, Standard Hopper (See Group 20, Figure 01 for DET)	1
3	30-01	• Installation, Tank (See Group 30, Figure 01 for DET)	1
4	40-01	• Installation, Power Train (See Group 40, Figure 01 for DET)	1
5	50-01	• Installation, Control (See Group 50, Figure 01 for DET)	1
6	60-02	• Installation, Dual Shift Pumping Train (See Group 60, Figure 02 for DET)	1
7	70-01	• Installation, Frame (See Group 70, Figure 01 for DET)	1
8	80-01	• Installation, Optional (See Group 80, Figure 01 for DET)	1
9	10-05	• Kit, B50 Decal (See Group 10, Figure 05 for DET)	1

REVISION:



DECAL ASSEMBLY

B50
PARTS
GROUP 10
FIGURE 03
PAGE 01



REVISION:



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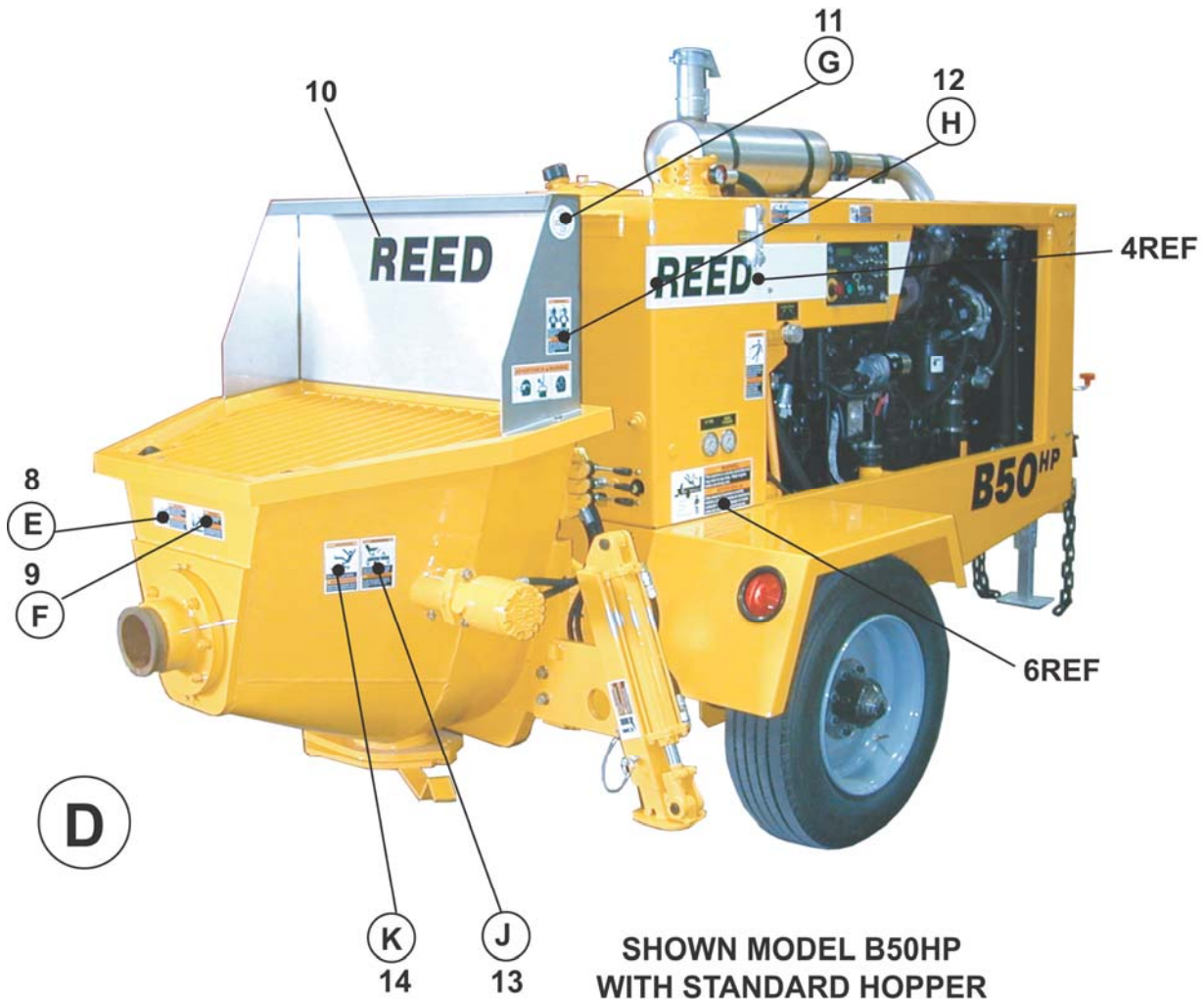
ITEM NO.	REED'S PART NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	10-05	Kit, B50 Decal (See Group 10, Figure 01, 02, 03, and 04 for NHA)					Ref
2	86703	• Decal, B50 6 Inch Black					2
3	85425	• Kit, B-Series Decal					1
4	85418	•• Decal, REED 4-1/2 Inch Black and White 48 Inch					2
5	800916	•• Decal, Warning, Keep Hand Out of Water Box					1
6	800924	•• Decal, Warning, This Machine is Remote Controlled...					2
7	85416	•• Decal, REED 4-1/2 Inch Black and White 20 Inch					1
8	800922	•• Decal, Warning, Before Opening a Blocked Pipeline					1
9	800921	•• Decal, Warning, Do Not Operate at Pressures...					1
10	73132	•• Decal, REED 4-1/2 Inch					1
11	800931	•• Decal, ACPA Member					1
12	800929A	•• Decal, Warning					2
13	800917	•• Decal, Warning, Keep Hand Out of Hopper and Valve					2
14	800918	•• Decal, Warning, Do Not Stand on Hopper Grate					2
15	85684	•• Decal, B-Series Gauge					1
16	85844	•• Decal, Oil					1
17	75020	•• Decal, Hydraulic Oil					1
18	85413	•• Decal, Volume Control					1
19	800925	•• Decal, Warning, Do Not Operate This Machine without					1
20	75017	•• Decal, Diesel Fuel Only					1
21	86636	•• Nameplate, REED , Serial No.					1
22	NPN	• Decal, B50 Control Box Panel					1
23	NPN	• Decal, B50 Remote Control					1
24	800919	• Decal, Optional, Warning, Stand Clear Outriggers When					2
25	83845	• Decal, Outriggers (Optional Items)					1
26	83846	• Decal, Agitator (Optional Items)					1
-27	803225	• Decal, Warning, Leaks Hazard					2
-28	803226	• Decal, How To Order					1
-29	803229	• Decal, CPMA					1
-30	803231	• Decal, Toxic Dust					2
-31	803235	• Decal, 1-7 Operator Signals					1
-32	803237	• Decal, Pressurized Pipes					2
DASH (-) ITEM NOT ILLUSTRATED							



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

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

6
 C



SHOWN MODEL B50HP
 WITH STANDARD HOPPER



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

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

8

ⓔ

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9

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

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

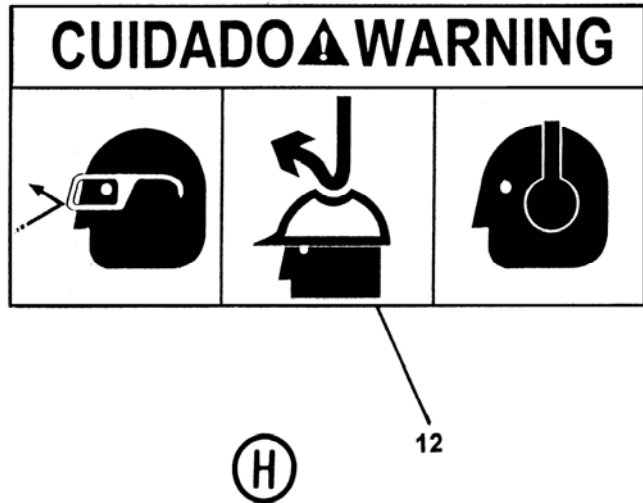
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11

ⓖ



CUIDADO ⚠ WARNING

12

ⓓ



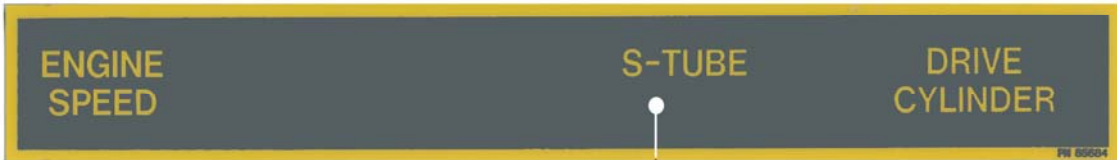
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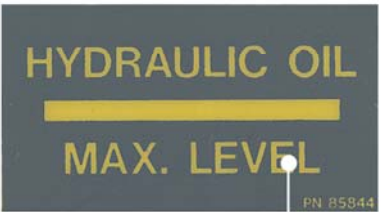
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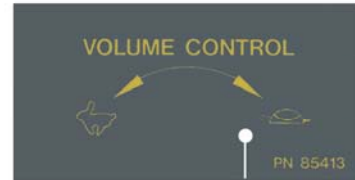
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N

17



P

18



Q

19



R

20

REED		PHONE (909)287-2100	
13822 OAKS AVENUE		FAX (909)287-2140	
CHINO, CA 91710 USA			
MODEL	<input type="text"/>	SERIAL NO.	<input type="text"/>
MATERIAL PRESSURE	<input type="text"/>	PSI	<input type="text"/>
		BAR	<input type="text"/>
HYDRAULIC PRESSURE	<input type="text"/>	PSI	<input type="text"/>
		BAR	<input type="text"/>
ENGINE / PTO	<input type="text"/>	RPM	<input type="text"/>
ELECTRIC MOTOR	<input type="text"/>	VOLTS	<input type="text"/>
VEHICLE WEIGHT (APPROX.)	<input type="text"/>	LBS	<input type="text"/>
		KG	<input type="text"/>
PN 86636			

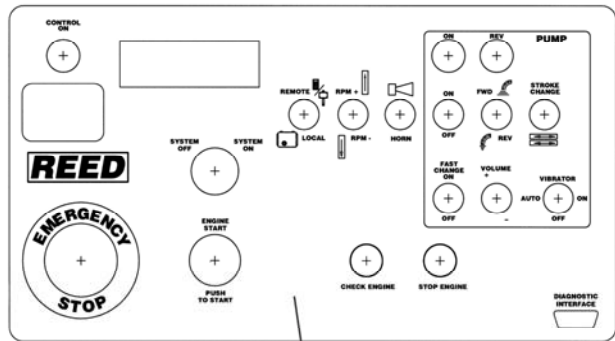
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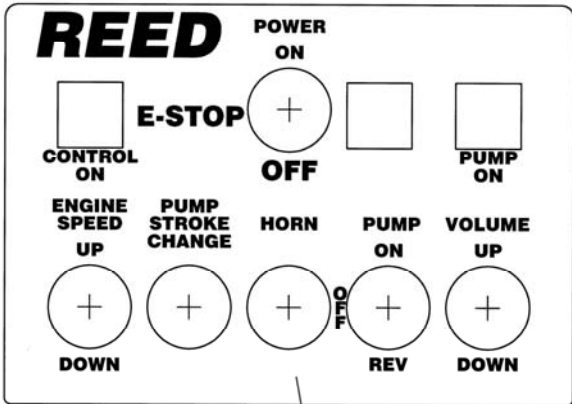


DECAL ASSEMBLY

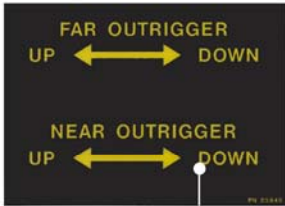
B50
PARTS
GROUP 10
FIGURE 03
PAGE 07



T 22



U 23



W 25



V 24



X 26

REVISION:



WARNING

Do not touch hydraulic oil leaks. Get immediate medical attention if oil penetrates skin.

ADVERTENCIA

No toque las fugas de aceite hidráulico. Obtenga atención médica inmediata si el aceite penetra en la piel.

27

28

IMPORTANT	IMPORTANTE
You can order additional operation manuals, spare parts books, safety manuals and decal sets by contacting us at: REED Manufacturing 1-(888)-779-7333 7:00 AM to 5:00 PM Pacific Time Monday through Friday	Usted puede solicitar manuales de operacion, catalogos de refacciones, manuales de seguridad y juegos de calcomanias adicionales contactando a: REED Manufacturing 1-(888)-779-7333 DE 7:00 AM a 5:00 PM Hora Central

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29



WARNING

Cement dust is toxic. Use lung protection when exposed.

ADVERTENCIA

El polvo de cemento es tóxico. Use protección para los pulmones cuando se esponga.

30

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INSTRUCCIONES DE SEGURIDAD		SAFETY INSTRUCTIONS	
Recommended hand signals / Señales de mano recomendadas			
1. START PUMP SPEED UP	2. SLOW PUMP DOWN	3. STOP PUMP	4. LITTLE BIT
1. PRENDER LA BOMBA ACELERAR	2. BAJAR VELOCIDAD A LA BOMBA	3. PARAR LA BOMBA	4. UN POCO
5. RELIEVE PRESSURE (2 golpes) (2 taps)	6. ADD WATER 4-GALLONS	7. ALL DONE CLEAN UP	
5. ALIVIA LA PRESIÓN	6. AÑADIR AGUA 4-GALONES	7. TERMINADO LIMPIAR	

Do not paint over this label/No pintar encima de esta etiqueta 803225

WARNING	SAFETY INSTRUCTIONS
<p>• Stay clear of pressurized concrete placing system. • Wear eye protection. • Do not operate at pressures exceeding the rating of any piece of the material delivery system.</p> <p>ADVERTENCIA</p> <p>• Permanezca alejado del sistema de distribución de concreto presurizado. • Use protección para los ojos. • No opere a presiones mayores que las de la capacidad de cualquier pieza del sistema de descarga.</p>	<p>1. Relieve system pressure before opening any system or coupling. 2. Regularly inspect system condition and wall thickness. 3. Wear reduces system burst pressure. 4. Use recommended clean out procedures - consult manufacturer. 5. Use retaining pins in delivery system snap couplings.</p> <p>INSTRUCCIONES DE SEGURIDAD</p> <p>1. Alivie la presión del sistema ante de abrir un sistema o un acoplamiento. 2. Inspeccione periódicamente el estado del sistema y el espesor de las paredes. 3. El desgaste reduce la presión de rotura por estallido. 4. Use los procedimientos de limpieza recomendados, consulte con el fabricante. 5. Use los pasadores de retención en los acoplamientos de fijación a presión.</p>

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**TRAILER MOUNTED PUMP MODEL *B50*
GROUP 10 FINAL INSTALLATION**

B50
PARTS
GROUP 10
FIGURE 04
PAGE 01

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

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

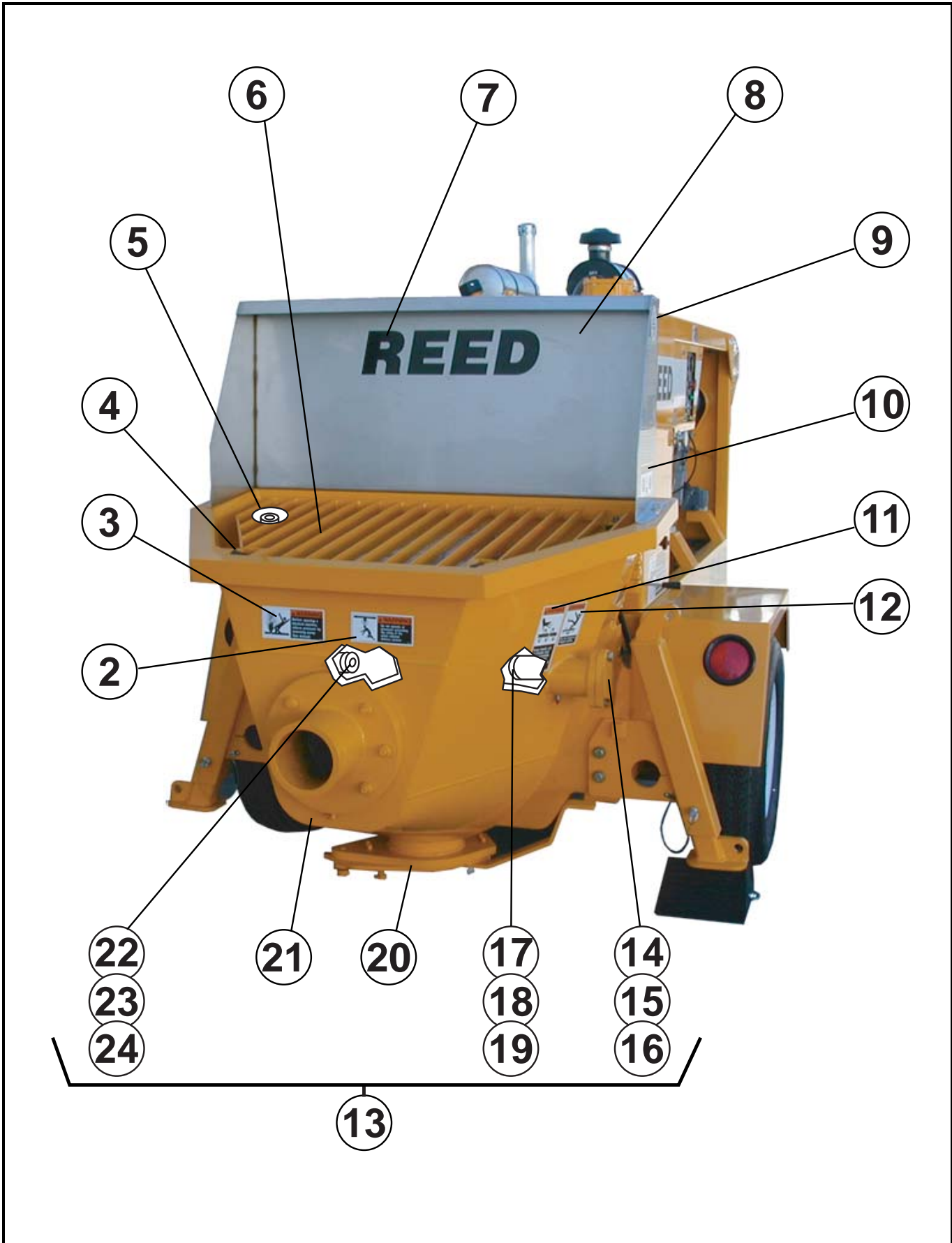


MODEL B50HP SHOWN



STANDARD HOPPER INSTALLATION-NO MIXER

B50
PARTS
GROUP 20
FIGURE 01
PAGE 01



REVISION:



STANDARD HOPPER INSTALLATION-NO MIXER

B50
PARTS
GROUP 20
FIGURE 01
PAGE 02

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

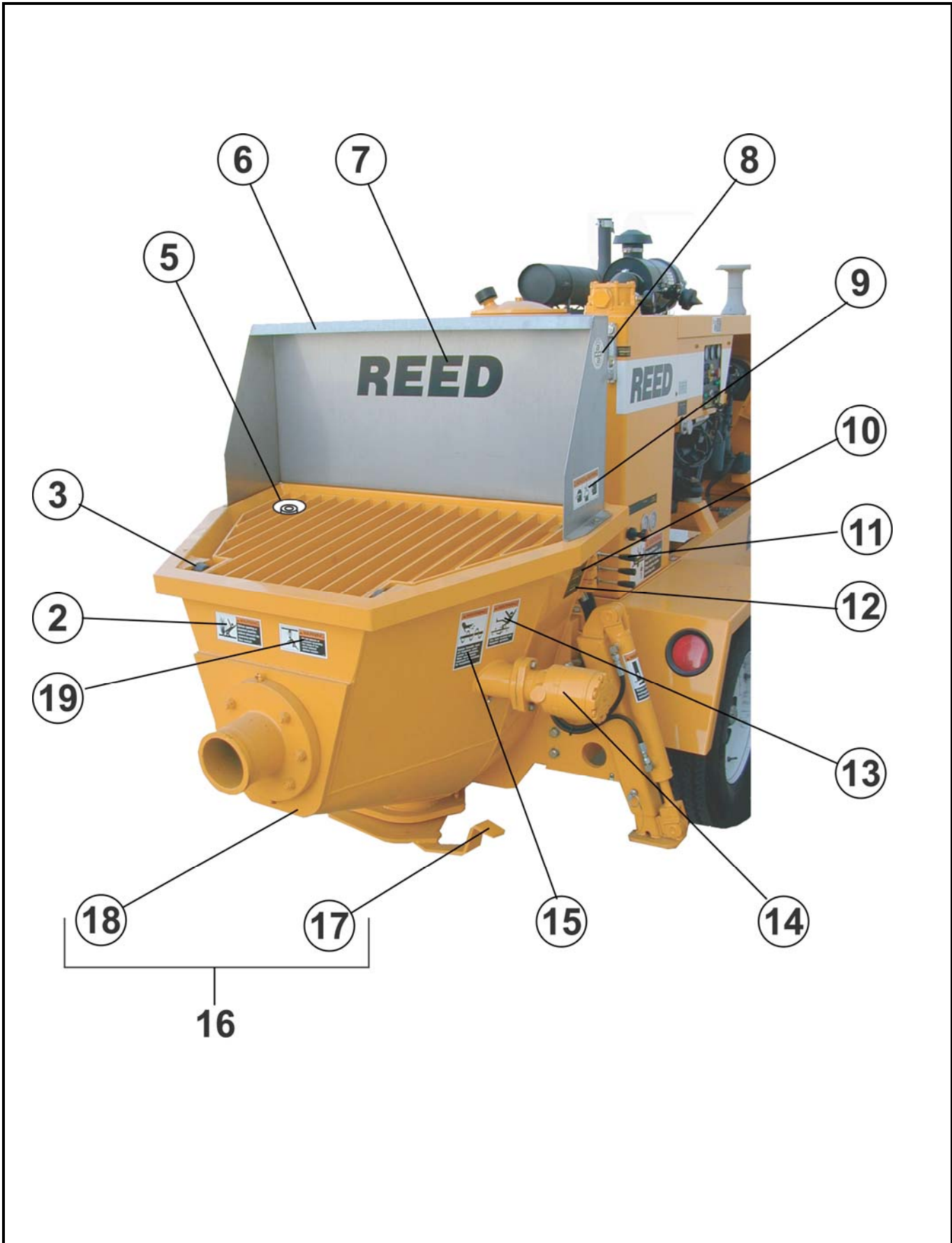
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



STANDARD HOPPER INSTALLATION-WITH MIXER

B50
PARTS
GROUP 20
FIGURE 02
PAGE 01



REVISION:



STANDARD HOPPER INSTALLATION-WITH MIXER

B50
PARTS
GROUP 20
FIGURE 02
PAGE 02

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

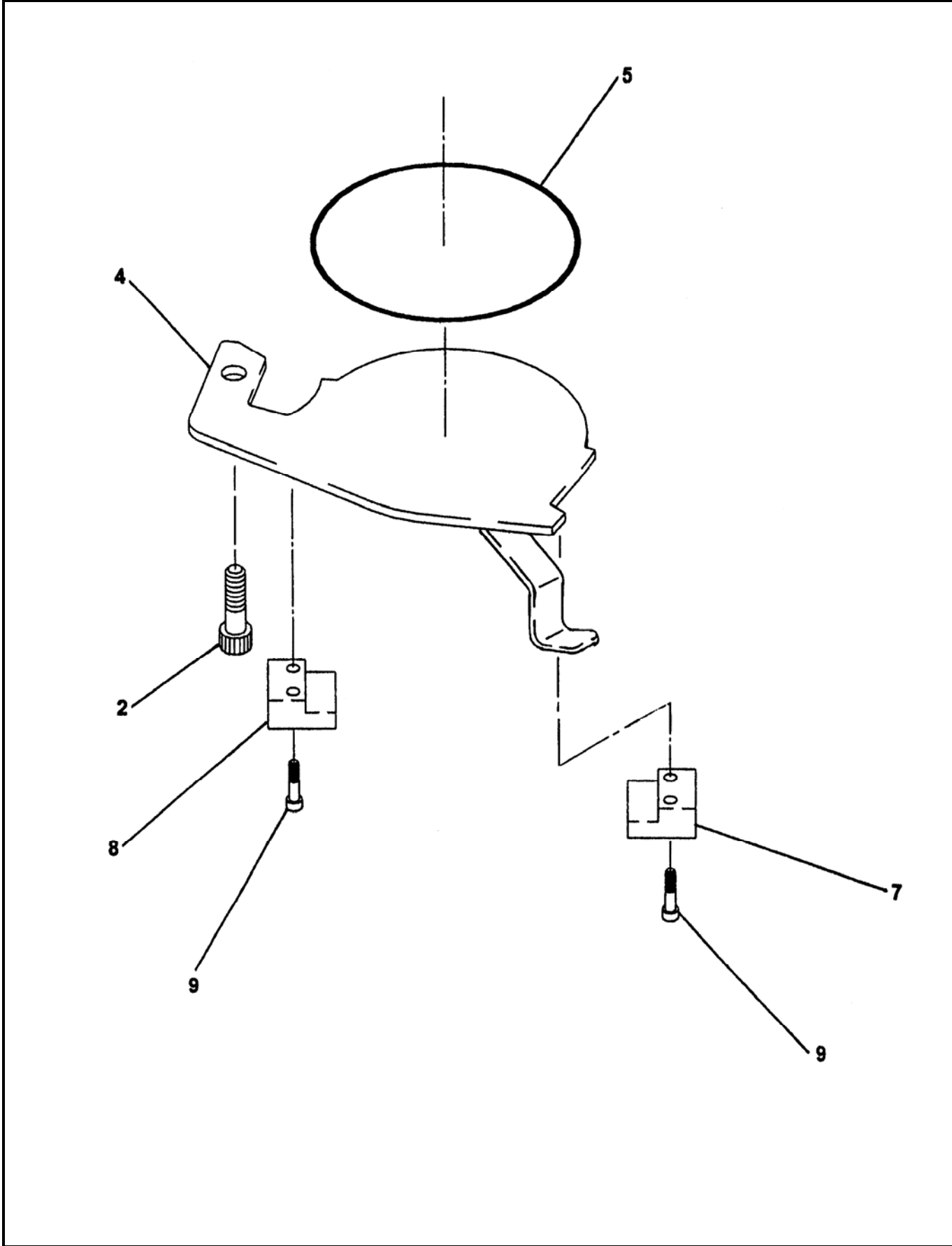
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REVISION:



HOPPER CLEAN OUT DOOR ASSEMBLY (ROUNDED)

B50
PARTS
GROUP 20
FIGURE 03
PAGE 01



REVISION:



HOPPER CLEAN OUT DOOR ASSEMBLY (ROUNDED)

B50
PARTS
GROUP 20
FIGURE 03
PAGE 02

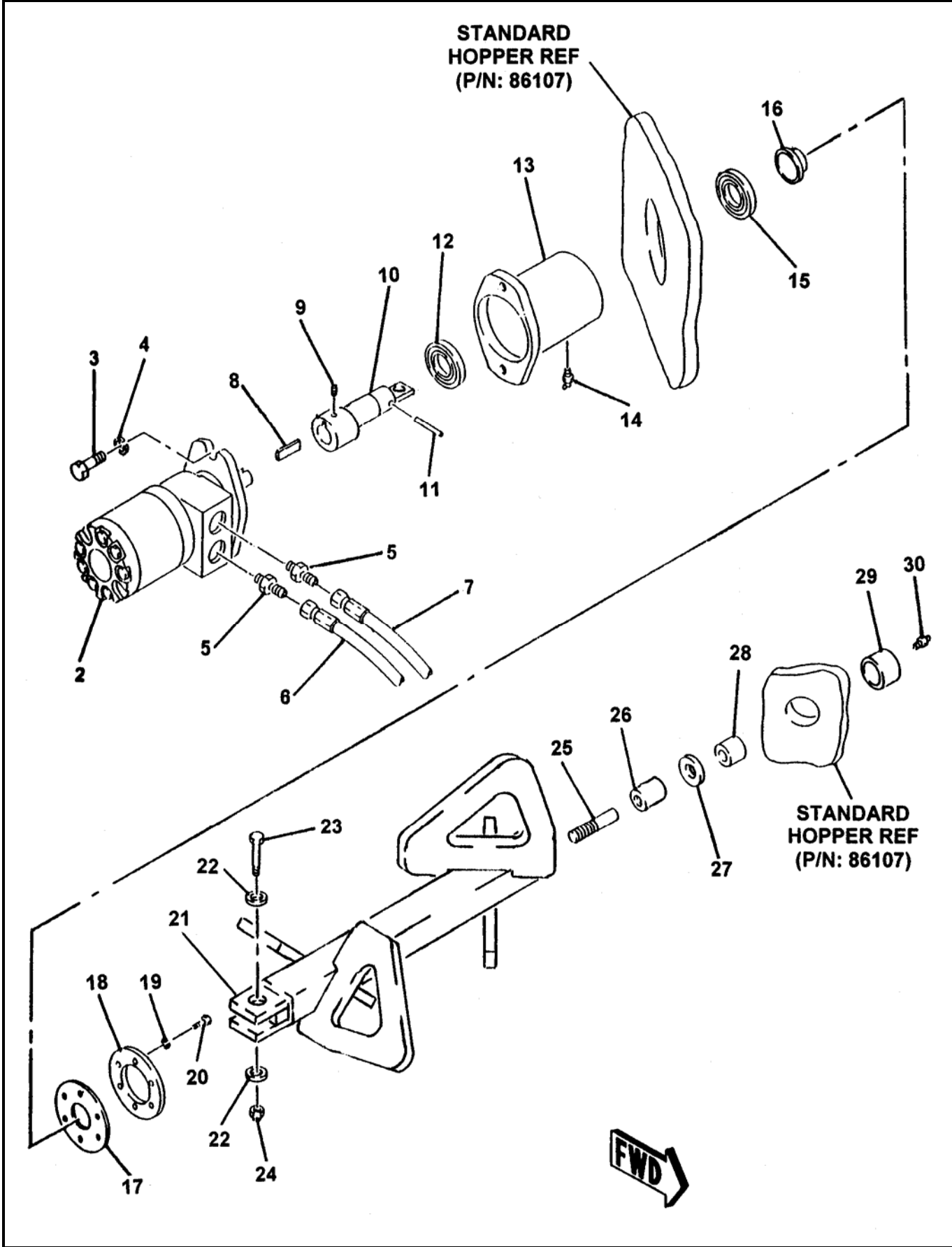
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86542	Assembly, Rounded Clean Out Door (See Group 20, Figure 01 and Figure 02 for NHA)	Ref
2	86922	• Bolt, Shoulder	1
3	-	• OPEN	-
4	86988	• Door, Weldment Clean-Out	1
5	W-102908A	• Cord, Hopper Door O-Ring 2.21 FT	1
6	-	• OPEN	-
7	86560	• Block,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

REVISION:



STANDARD HOPPER AGITATOR ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 04
PAGE 01



REVISION:



STANDARD HOPPER AGITATOR ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 04
PAGE 02

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

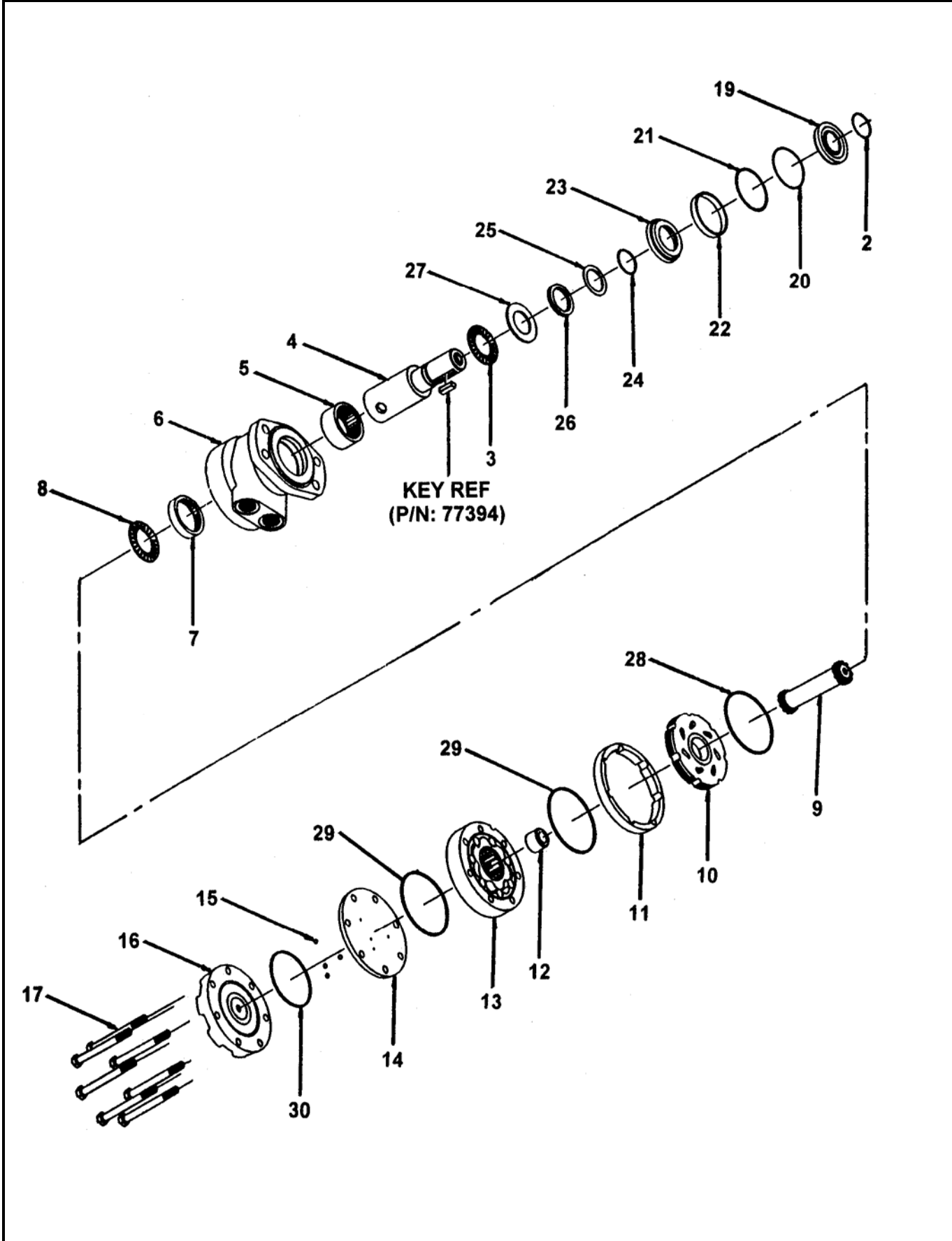
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



STANDARD HOPPER AGITATOR MOTOR ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 05
PAGE 01



REVISION:



STANDARD HOPPER AGITATOR MOTOR ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 05
PAGE 02

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

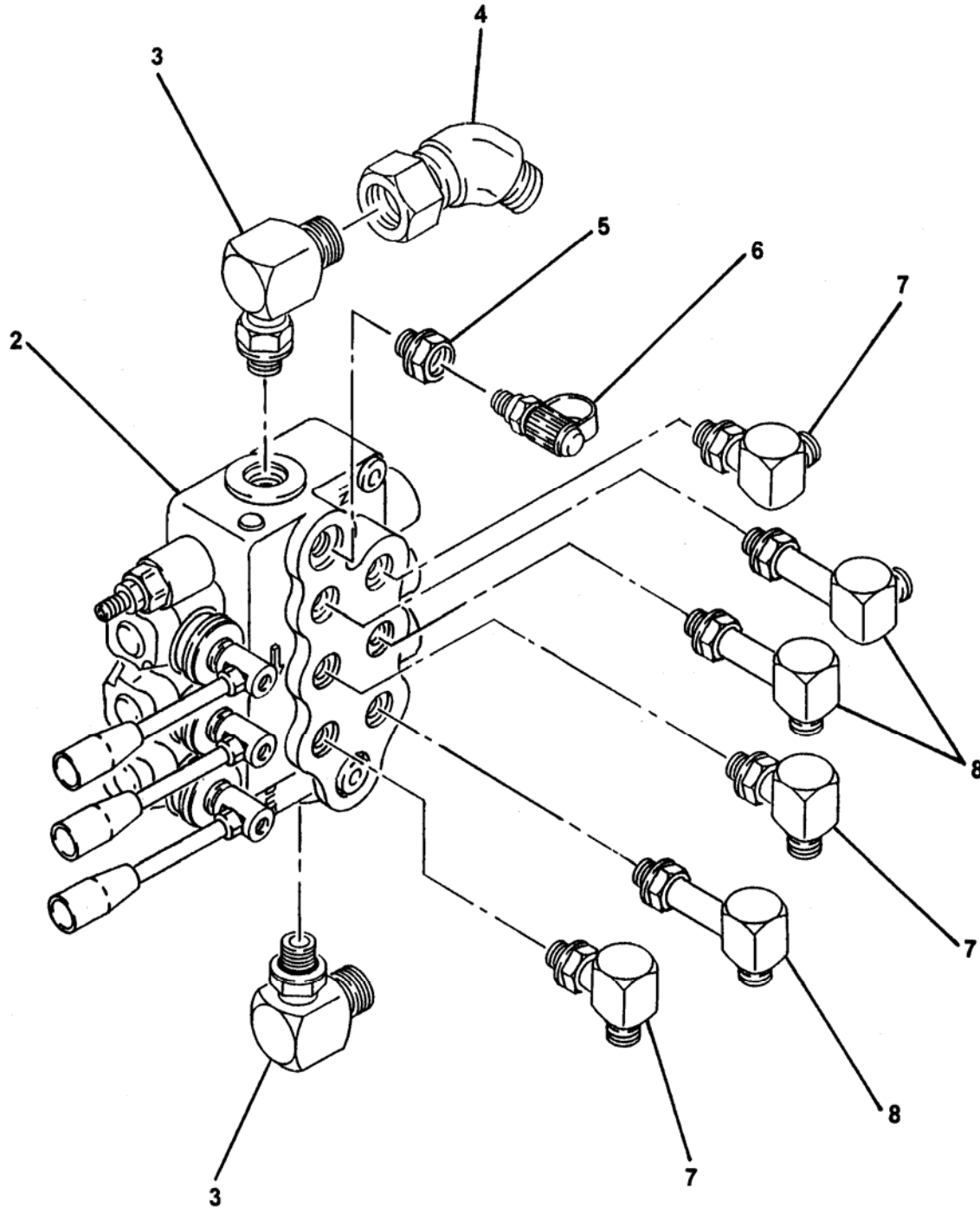
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



3 SPOOL CONTROL VALVE ASSEMBLY

B50
PARTS
GROUP 20
FIGURE 06
PAGE 01



REVISION:



3 SPOOL CONTROL VALVE ASSEMBLY

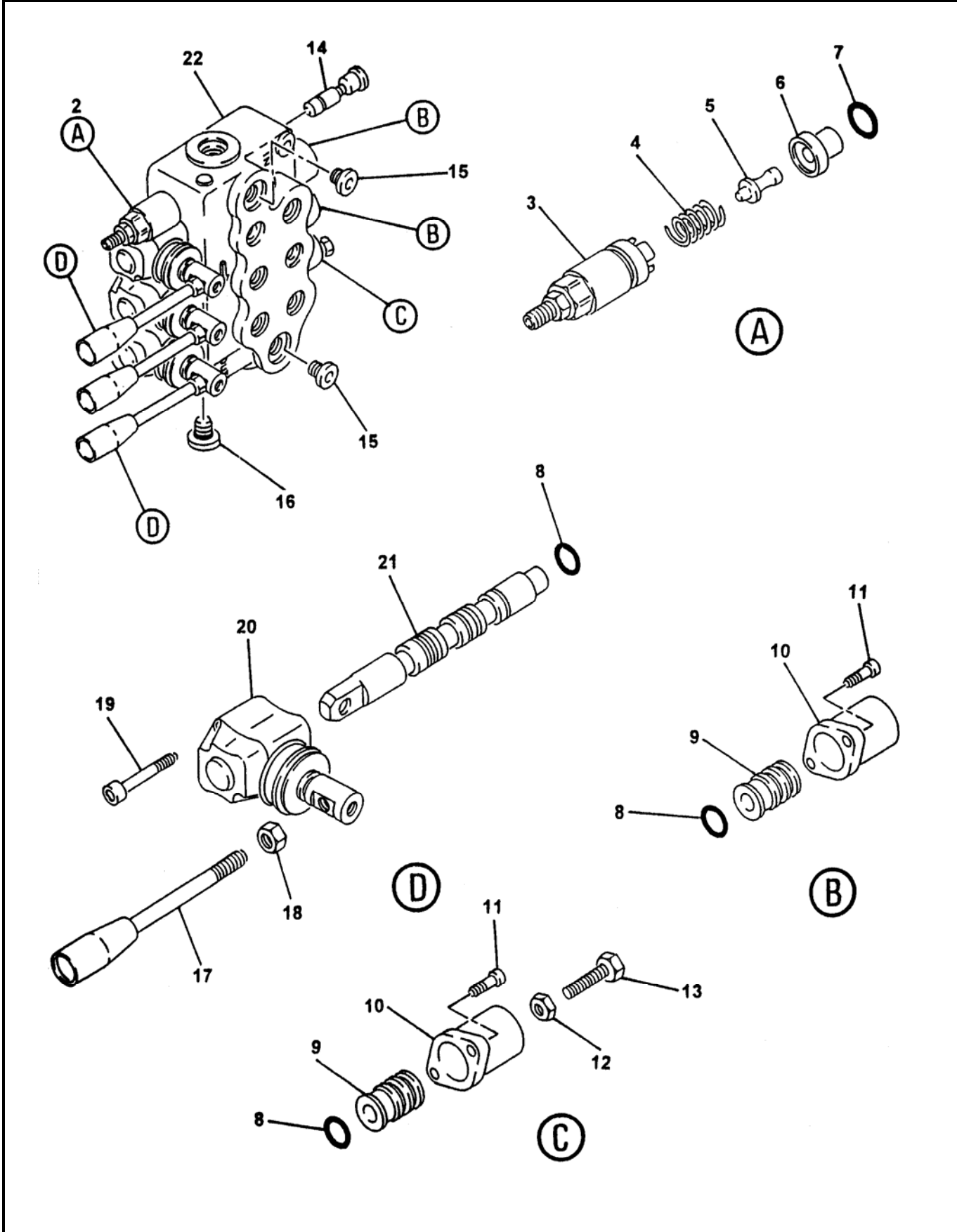
B50
PARTS
GROUP 20
FIGURE 06
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	20-08	Assembly, 3 Spool Control Valve (See Group 20, Figure 01 and Figure 02 for NHA)	Ref
2	74471	• Sub-Assembly, Agitator Control Valve (See Group 20, Figure 10 for DET)	1
3		• Fitting, 90	2
4		• Swivel, 45	1
5		• Reducer, 8-6	1
6	800083	• Fitting, Mini Check (Port)	1
7		• Fitting, 90	3
8		• Fitting, 90	3
-9		• Bolt, Hex	2
-10		• Washer, SPL Lock	2

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

3 SPOOL CONTROL VALVE SUB-ASSEMBLY



REVISION:



3 SPOOL CONTROL SUB-ASSEMBLY

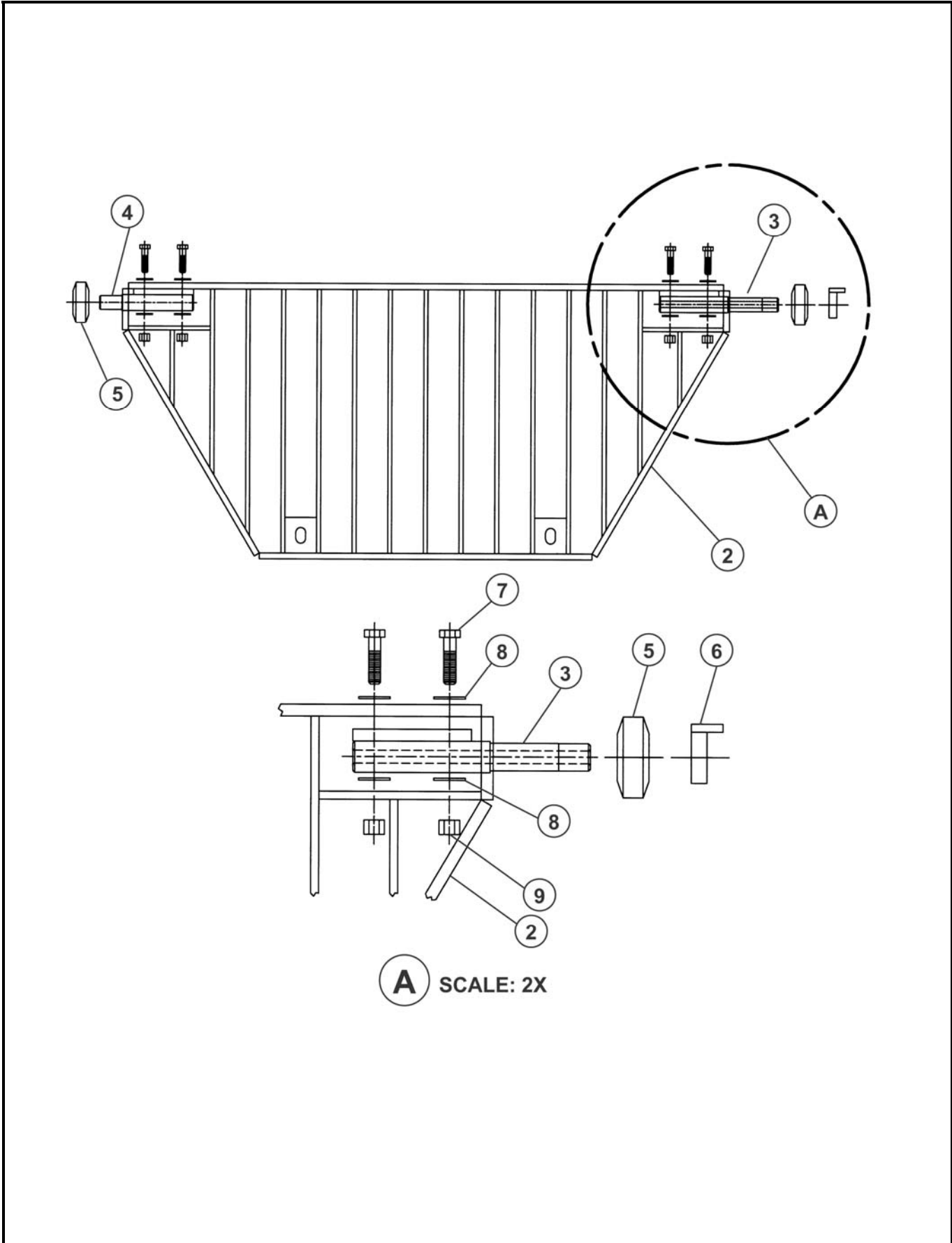
B50
PARTS
GROUP 20
FIGURE 07
PAGE 02

ITEM NO.	REED'S PART NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	74471	Sub-Assembly, 3 Spool Control Valve (See Group 20, Figure 08 for NHA)					Ref
2	85706	Cartridge, Relief					1
3		• • Kit, Screw					1
4		• • Spring					1
5		• • Pin, Screw Kit					1
6		• • Ring					1
7		• • O-Ring					1
8		• O-Ring					4
9		• Kit, Spool Control					3
10		• Cap, Spool					3
11		• Screw, Soc (attaching parts)					6
12		• Nut					1
13		• Bolt, Hex					1
14		• Kit, VRS					1
15		• Plug					2
16		• Plug					1
17	74471-017	• Handle, Remixer Valve					3
18		• Nut (attaching parts)					3
19		• Screw, SOC					6
20	74471-020	• Lever, L					3
21		• Spool					3
22		• Body, Valve					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:

SAFETY HOPPER GRATE INSTALLATION



A SCALE: 2X



SAFETY HOPPER GRATE INSTALLATION

B50
PARTS
 GROUP 20
 FIGURE 08
 PAGE 02

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

REVISION:



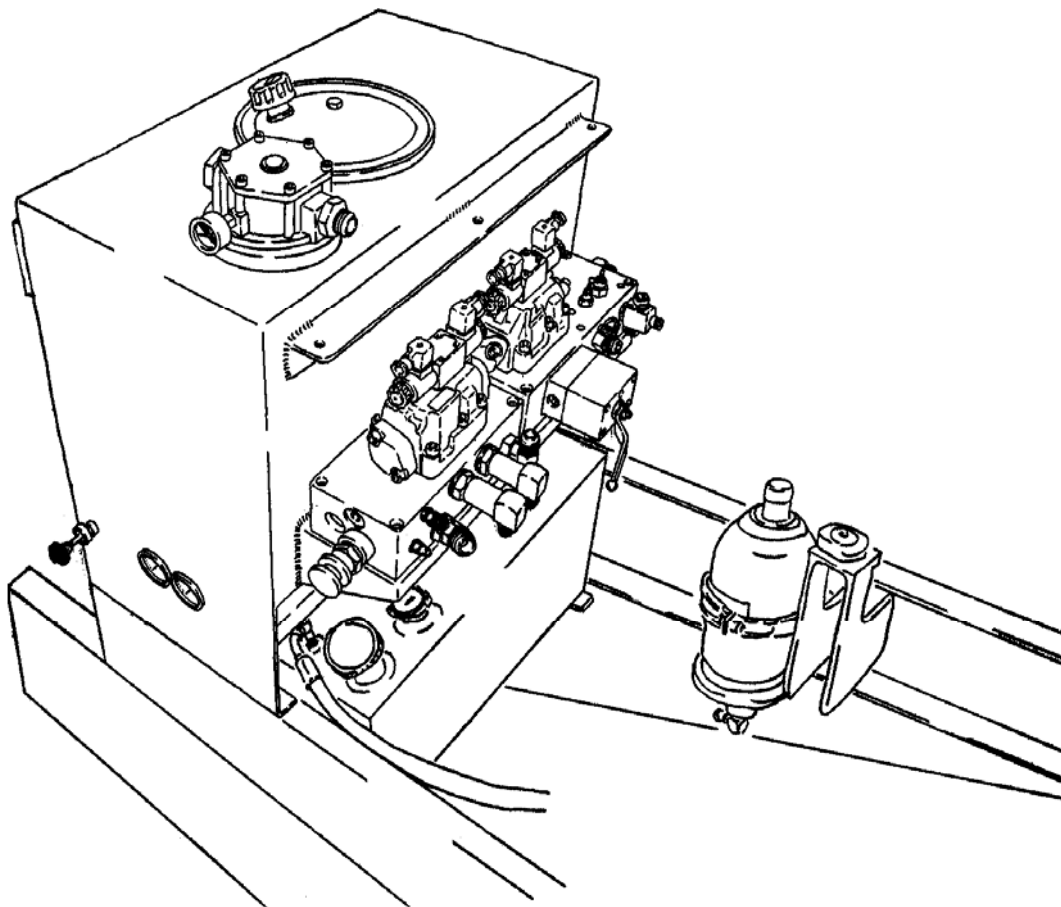
**TRAILER MOUNTED PUMP MODEL *B50*
ILLUSTRATED PARTS MANUAL**

B50
PARTS
GROUP 20
FIGURE 09
PAGE 01

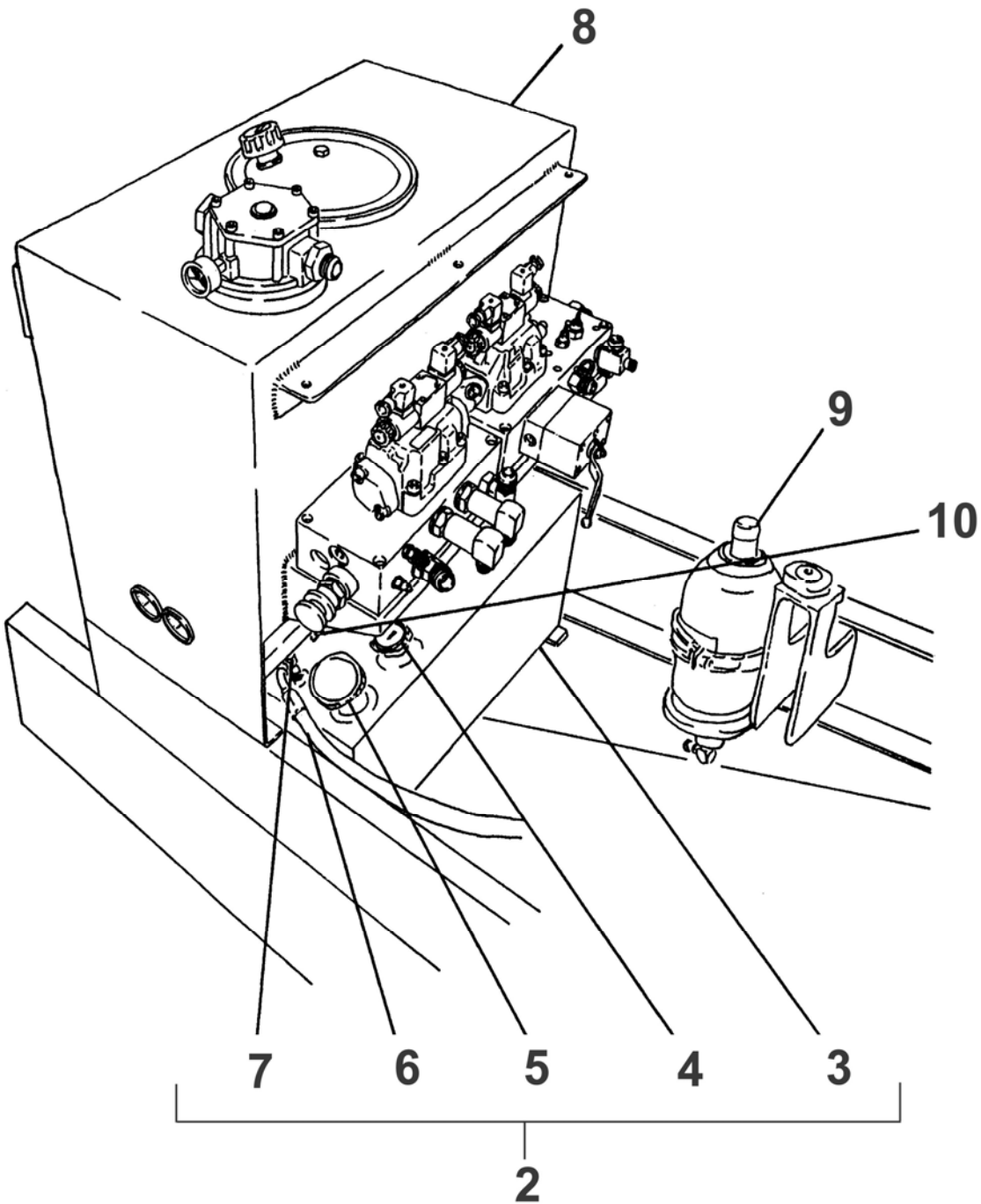
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REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 30 HYDRAULIC TANK INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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



TANK INSTALLATION



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



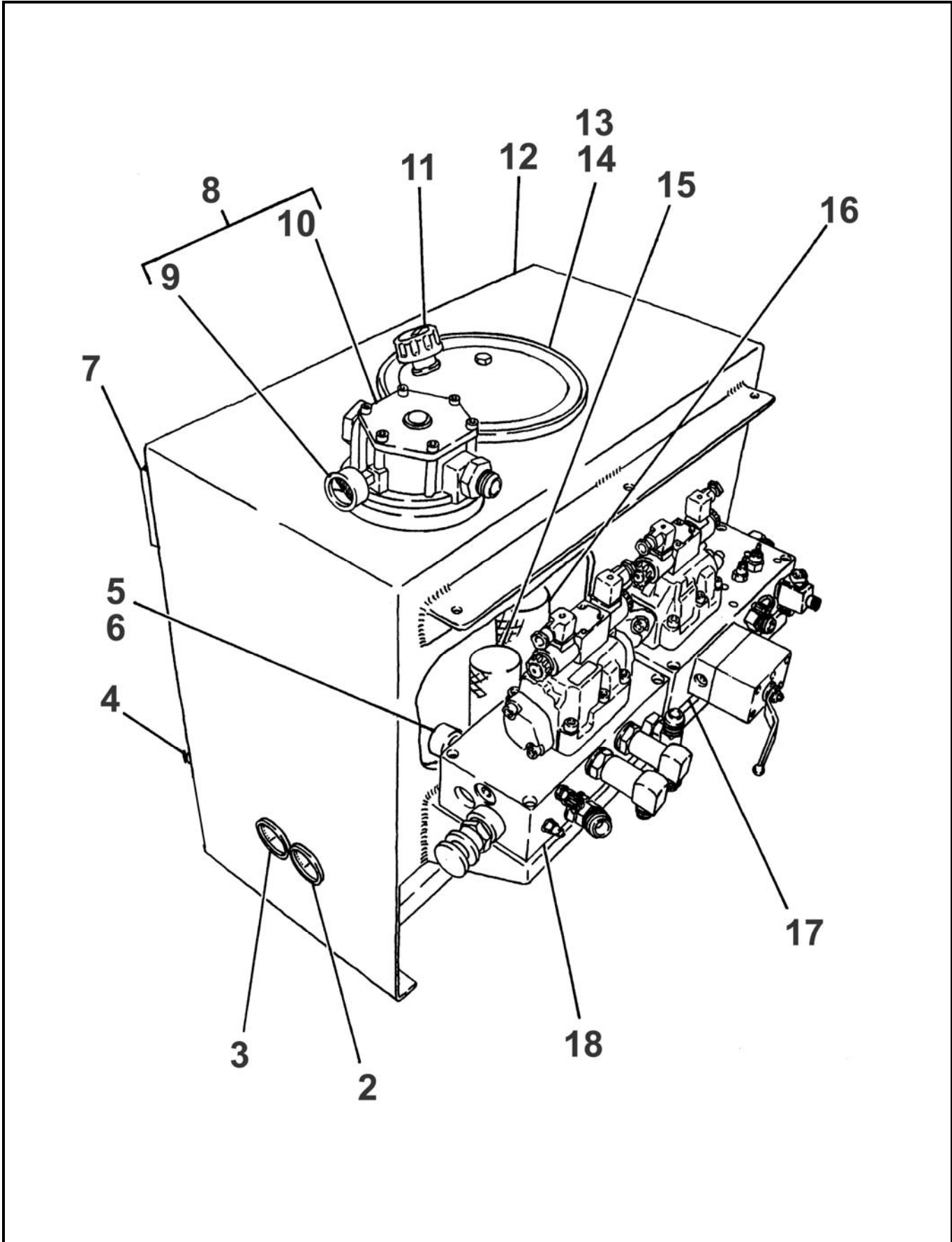
TANK INSTALLATION

B50
PARTS
GROUP 30
FIGURE 01
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	30-01	Installation, Tank (See Group 10, Figure 01, 02, 03 and 04 for NHA)	Ref
2	85363	• Assembly, Fuel Tank	1
3	85111	• • Weldment, Fuel Tank	1
4	85569	• • Gauge, Fuel	1
5	85570	• • Cap, Fuel	1
6	85362	• • Assembly, Fuel Pick Up Tube	2
7		• • Elbow, 90	2
8	85361	• Assembly, Hydraulic Tank (See Group 30, Figure 02 for DET)	1
9	30-10	• Assembly, Accumulator (See Group 30, Figure 10 for DET)	1
10	85815	• Valve, Solenoid	1
-11	85701	• • Cartridge, Solenoid Valve	1
-12	85702	• • Coil, 12 VDC	1
-13	74716	• Hose, 6 Feet Fuel	1
-14	10577	• Clamp, Fuel Hose	2
-15	87797	• Kit, Hose (See SCHEMATIC Section, Page 05 for DET)	1

REVISION:

HYDRAULIC TANK ASSEMBLY





HYDRAULIC TANK ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 02
PAGE 02

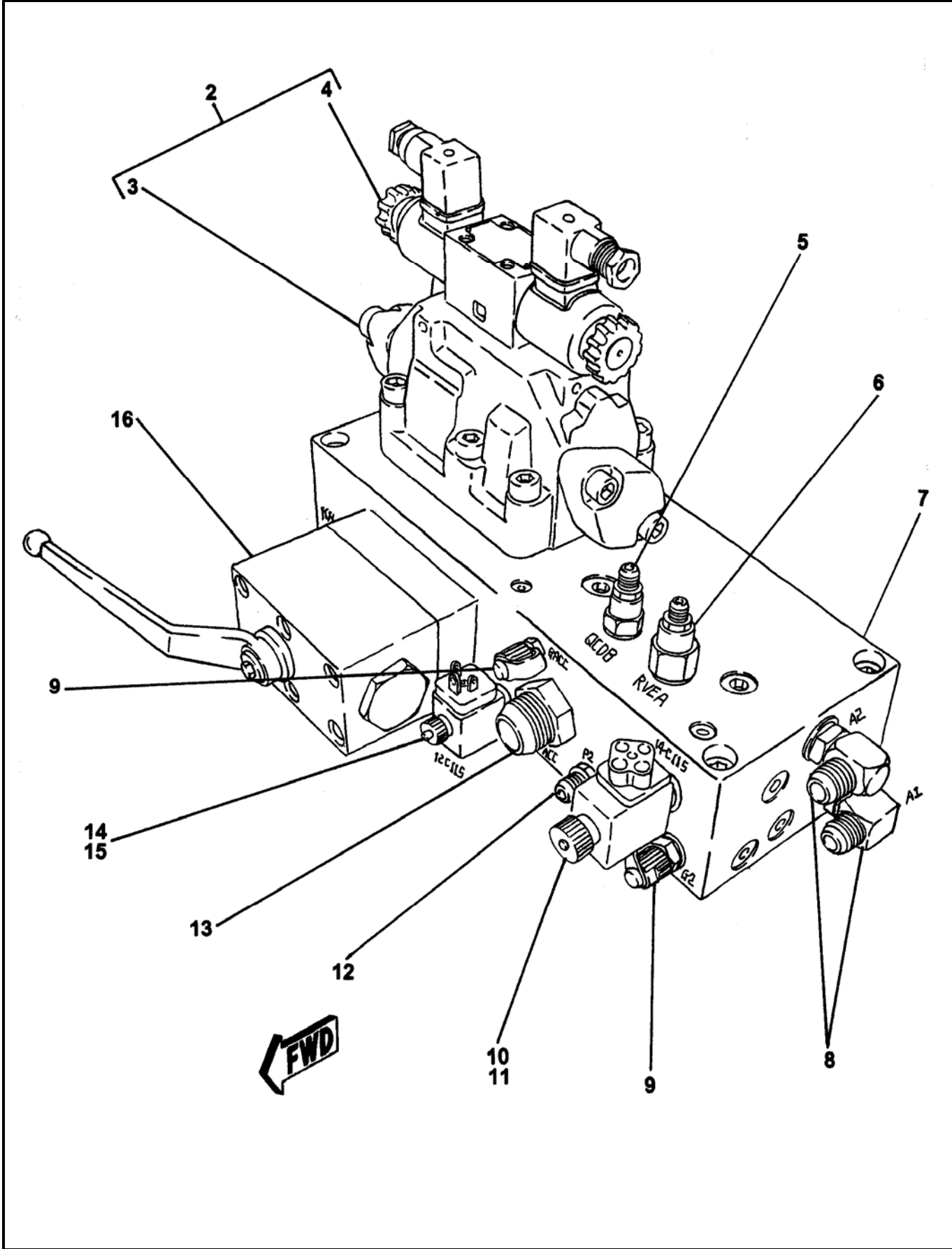
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85361	Assembly, Hydraulic Tank (See Group 30, Figure 01 for NHA)	Ref
2	70366	• Gauge, 3,000 PSI Hydraulic	1
3	74562	• Gauge, 6,000 PSI Hydraulic	1
4	801025	• Cock, Drain	1
5	85574	• Valve, 2 Inch Check	1
6	10981	• Nipple, 2 Inch	1
7	74509	• Gauge,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

DASH (-) ITEM NOT ILLUSTRATED



SWING TUBE CIRCUIT MANIFOLD ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 03
PAGE 01



REVISION:



SWING TUBE CIRCUIT MANIFOLD ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 03
PAGE 02

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

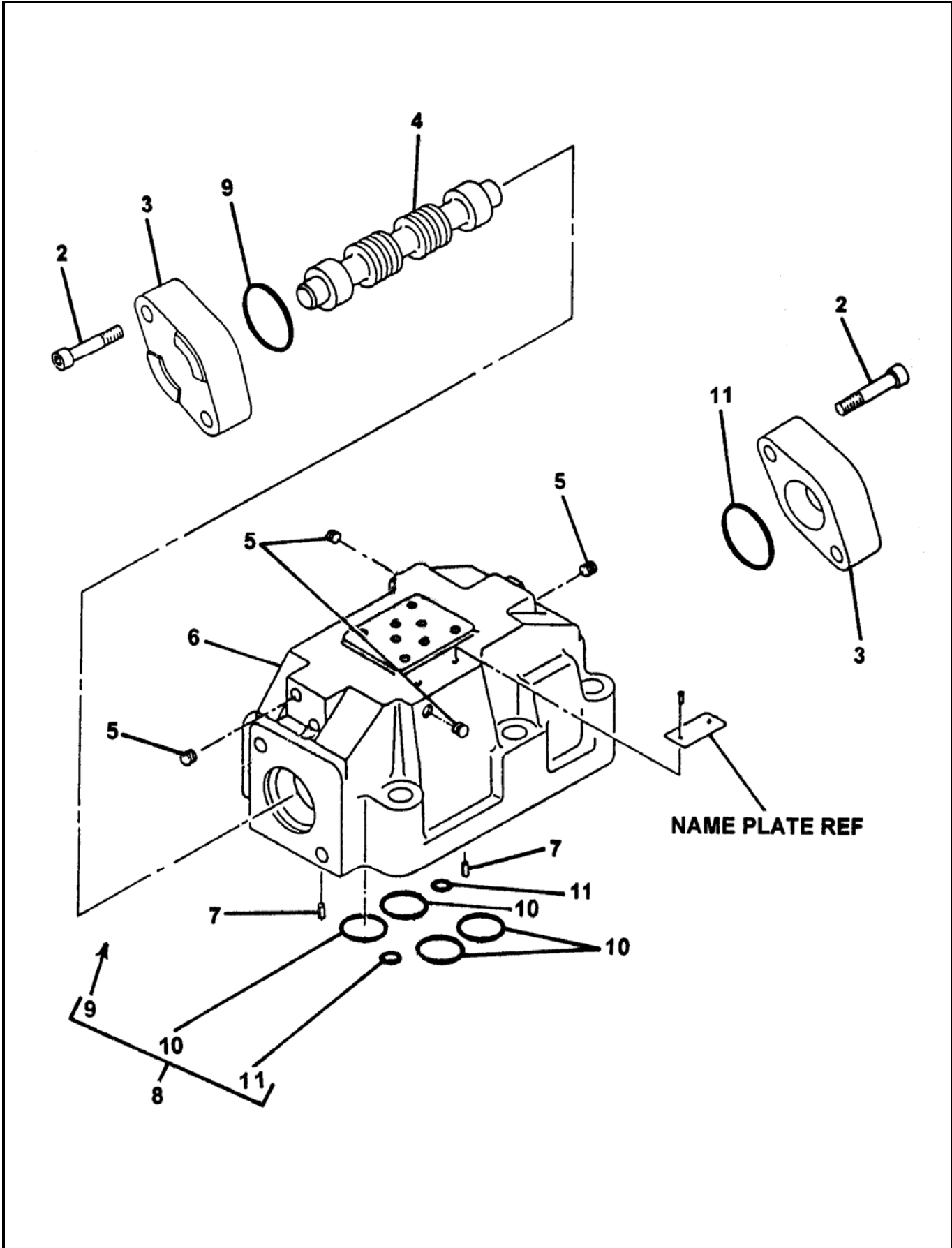
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



SWING TUBE CIRCUIT MAIN SOLENOID VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 04
PAGE 01



REVISION:



**SWING TUBE CIRCUIT
MAIN SOLENOID VALVE ASSEMBLY**

B50
PARTS
GROUP 30
FIGURE 04
PAGE 02

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

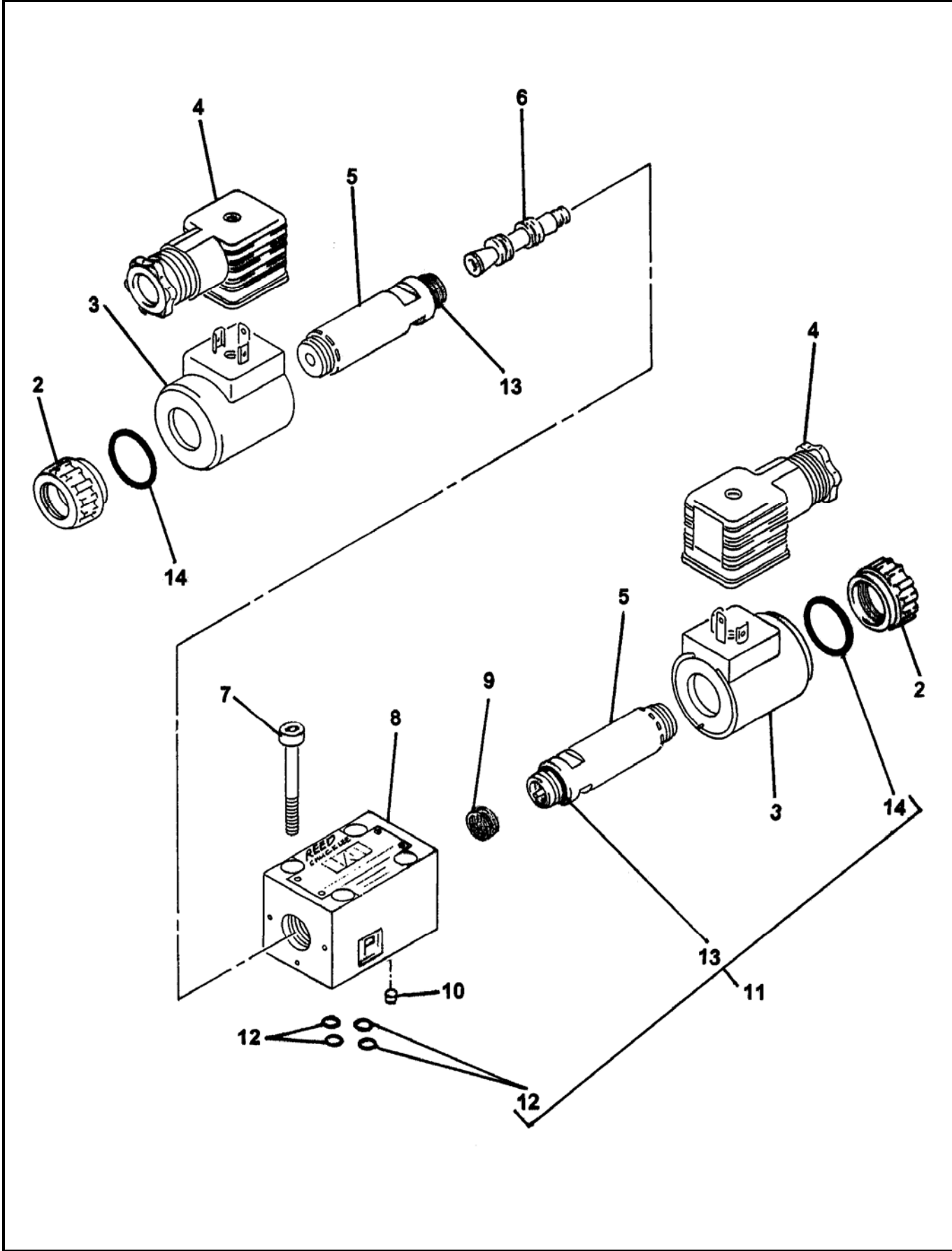
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



SWING TUBE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 05
PAGE 01



REVISION:



SWING TUBE CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

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

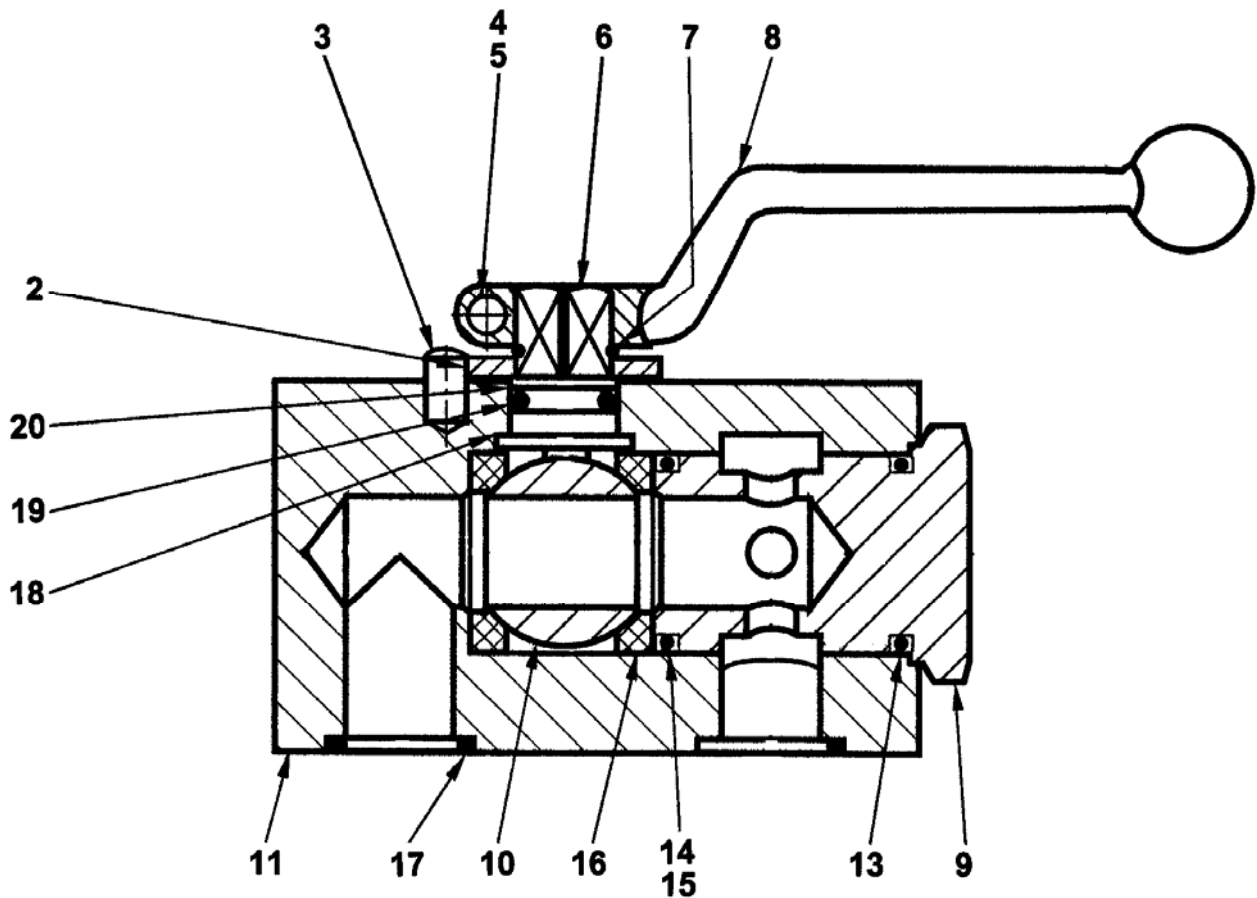
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



BALL VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 06
PAGE 01



REVISION:



BALL VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 06
PAGE 02

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

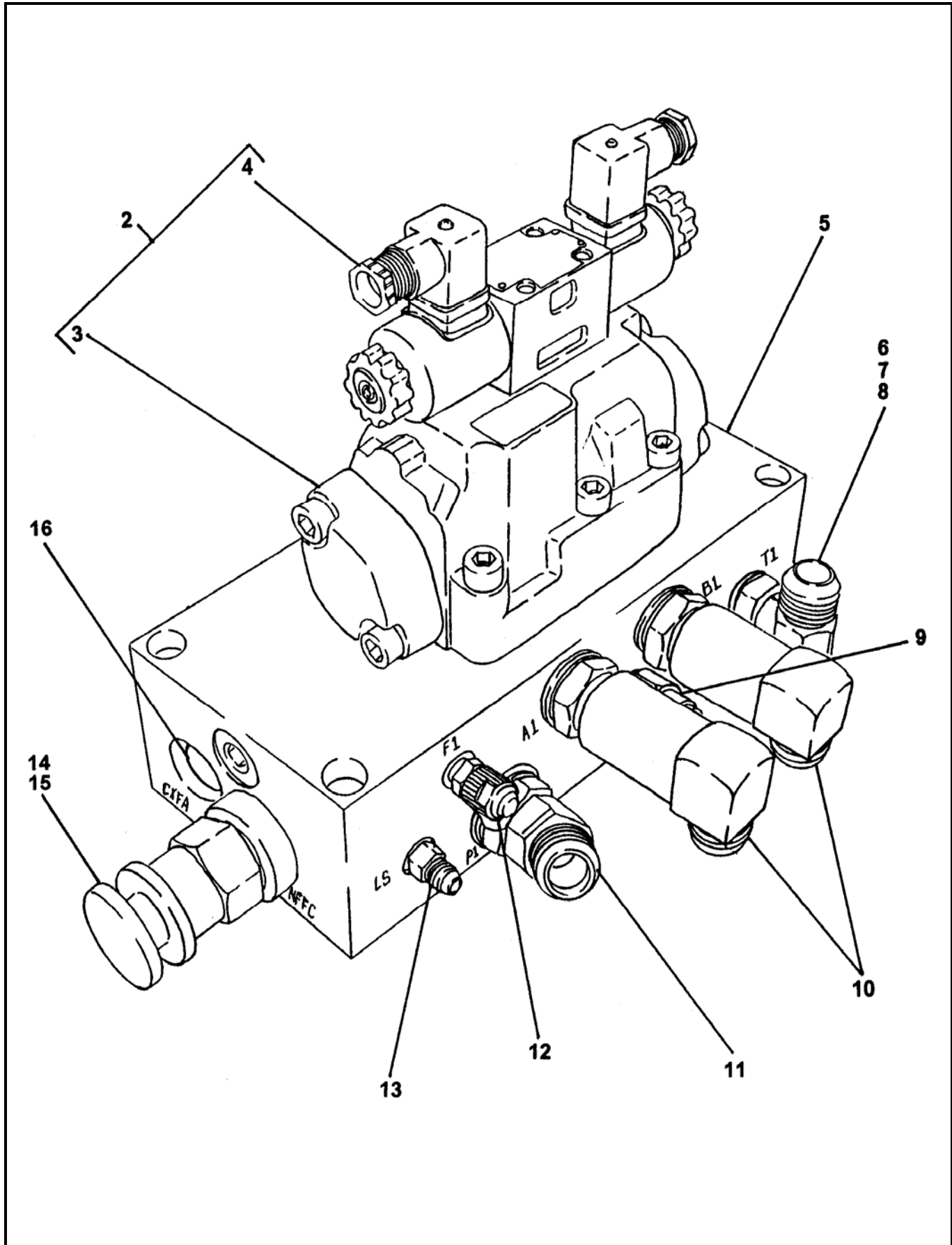
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



DRIVE CYLINDER CIRCUIT MANIFOLD ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 07
PAGE 01



REVISION:



DRIVE CYLINDER CIRCUIT MANIFOLD ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 07
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	85248	Assembly, Drive Cylinder Circuit Manifold (See Group 30, Figure 02 for NHA)	Ref
2	85689	• Assembly, Drive Cylinder Circuit Solenoid Valve	1
3	85690	• • Assembly, Drive Cylinder Circuit Main Solenoid Valve (See Group 30, Figure 08 for DET)	1
4	85691	• • Assembly, Drive Cylinder Circuit Pilot Solenoid Valve (See Group 30, Figure 09 for DET)	1
5		• Body, Drive Cylinder Circuit Manifold	1
6		• Tee	1
7		• Reducer	1
8		• Plug	1
9	85696	• Cartridge, Relief Valve	1
10		• Elbow, 90	2
11		• Elbow, 45	1
12	78593	• Port, Mini Check	1
13		• Fitting, STR	1
14	85697	• Cartridge, Flow Control Valve	1
15	85697SK	• • Kit, Flow Control Valve Cartridge Seal	1
16	85698	• Cartridge, Check Valve	1

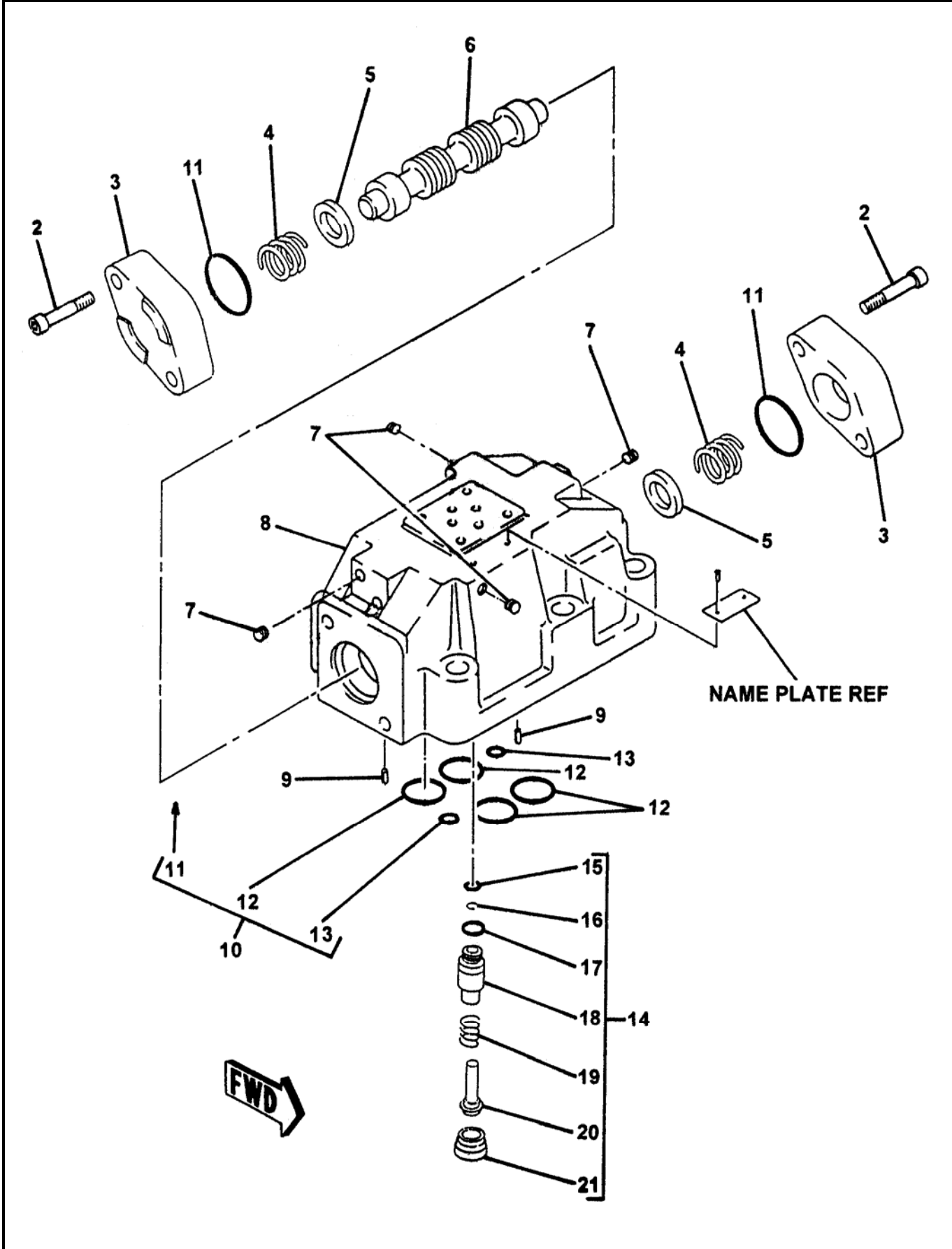
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



DRIVE CYLINDER CIRCUIT MAIN SOLENOID VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 08
PAGE 01



REVISION:



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

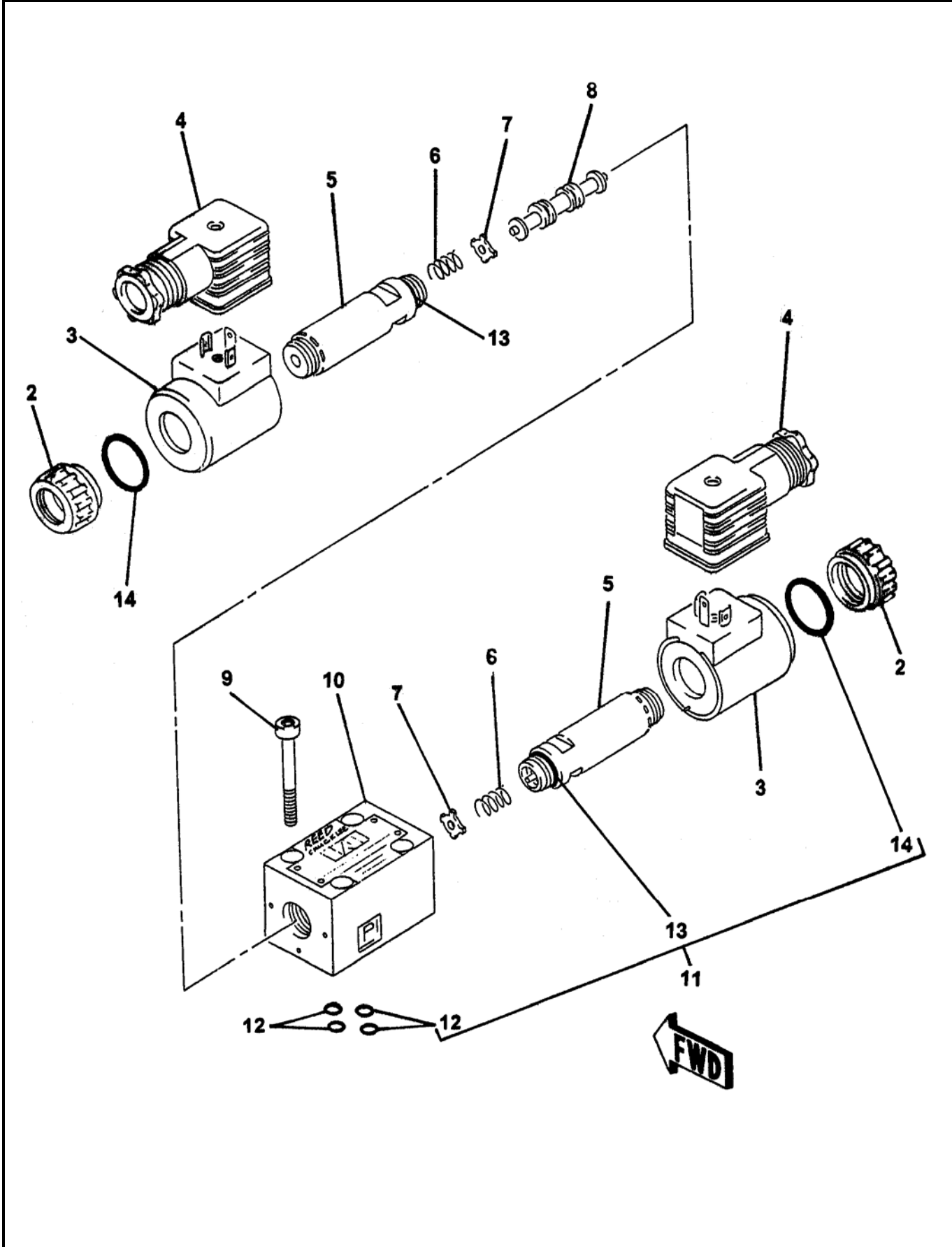
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



DRIVE CYLINDER CIRCUIT PILOT SOLENOID VALVE ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 09
PAGE 01



REVISION:



SWING TUBE 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

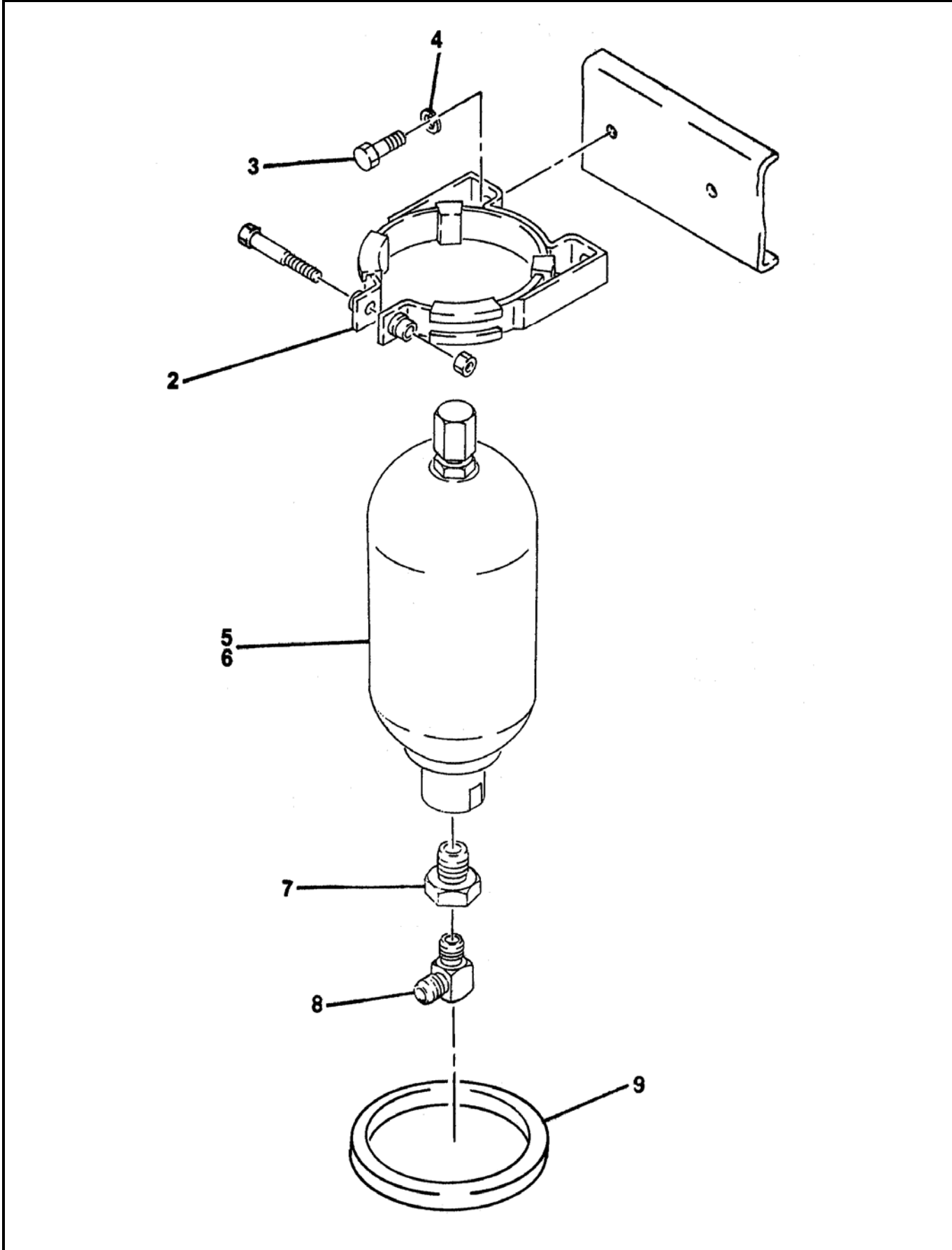
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



ACCUMULATOR ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 10
PAGE 01



REVISION:



ACCUMULATOR ASSEMBLY

B50
PARTS
GROUP 30
FIGURE 10
PAGE 02

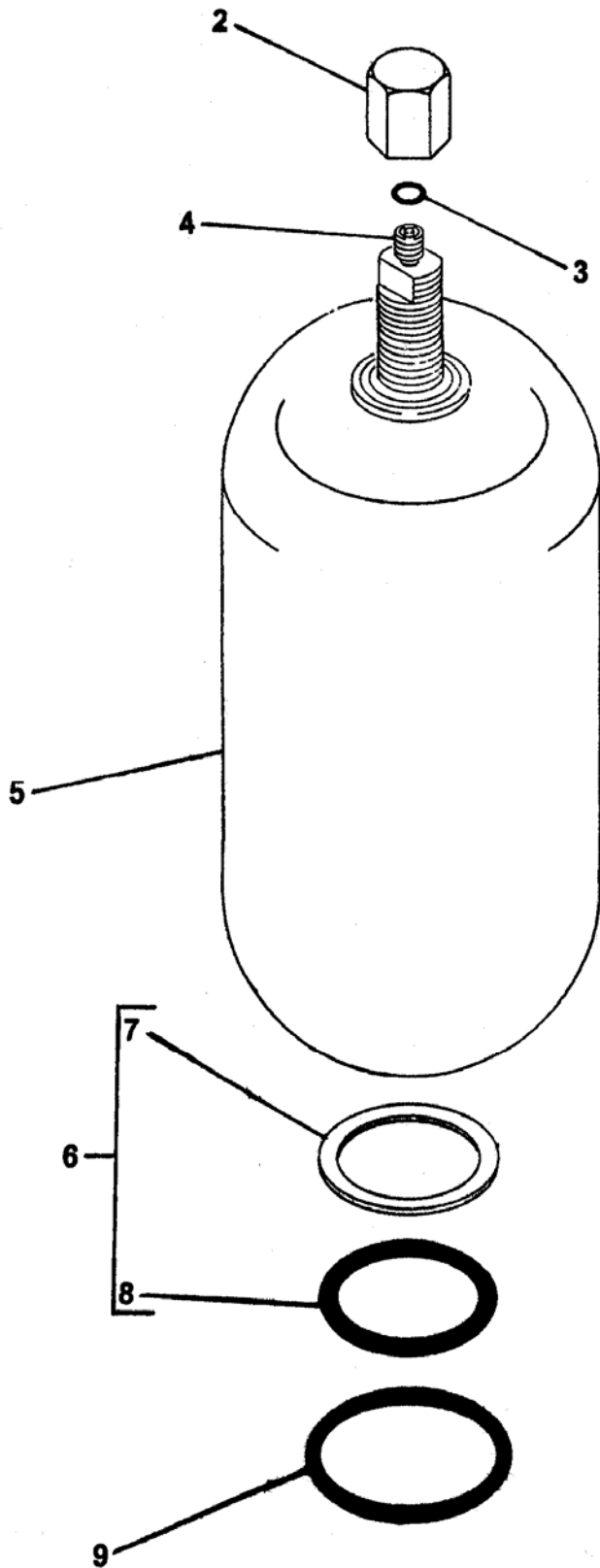
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	30-10	Assembly, Accumulator (See Group 30, Figure 01 for NHA)					Ref
2	73171	• Bracket, Accumulator					1
3		• Bolt, Hex (attaching parts)					2
4		• Washer, Lock (attaching parts)					2
5	74515	• Accumulator, 1 Gal					1
6	30-11	• Kit, Bladder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



ACCUMULATOR BLADDER REPAIR KIT

B50
PARTS
GROUP 30
FIGURE 11
PAGE 01





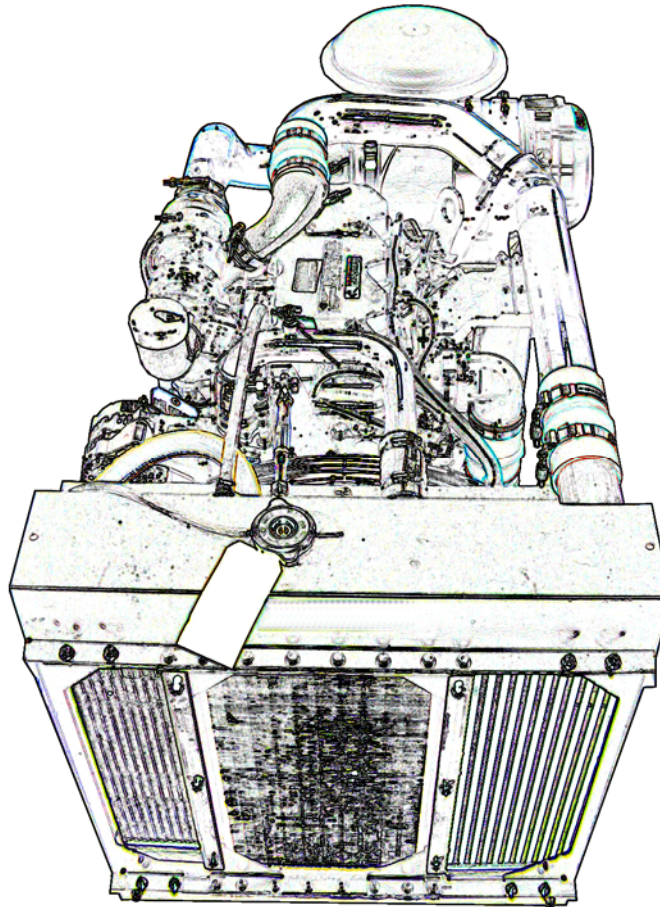
**ACCUMULATOR
BLADDER REPAIR KIT**

**B50
PARTS**
GROUP 30
FIGURE 11
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

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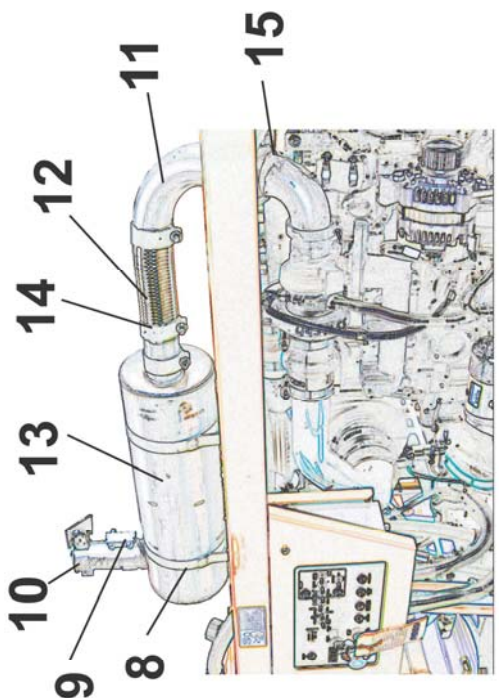
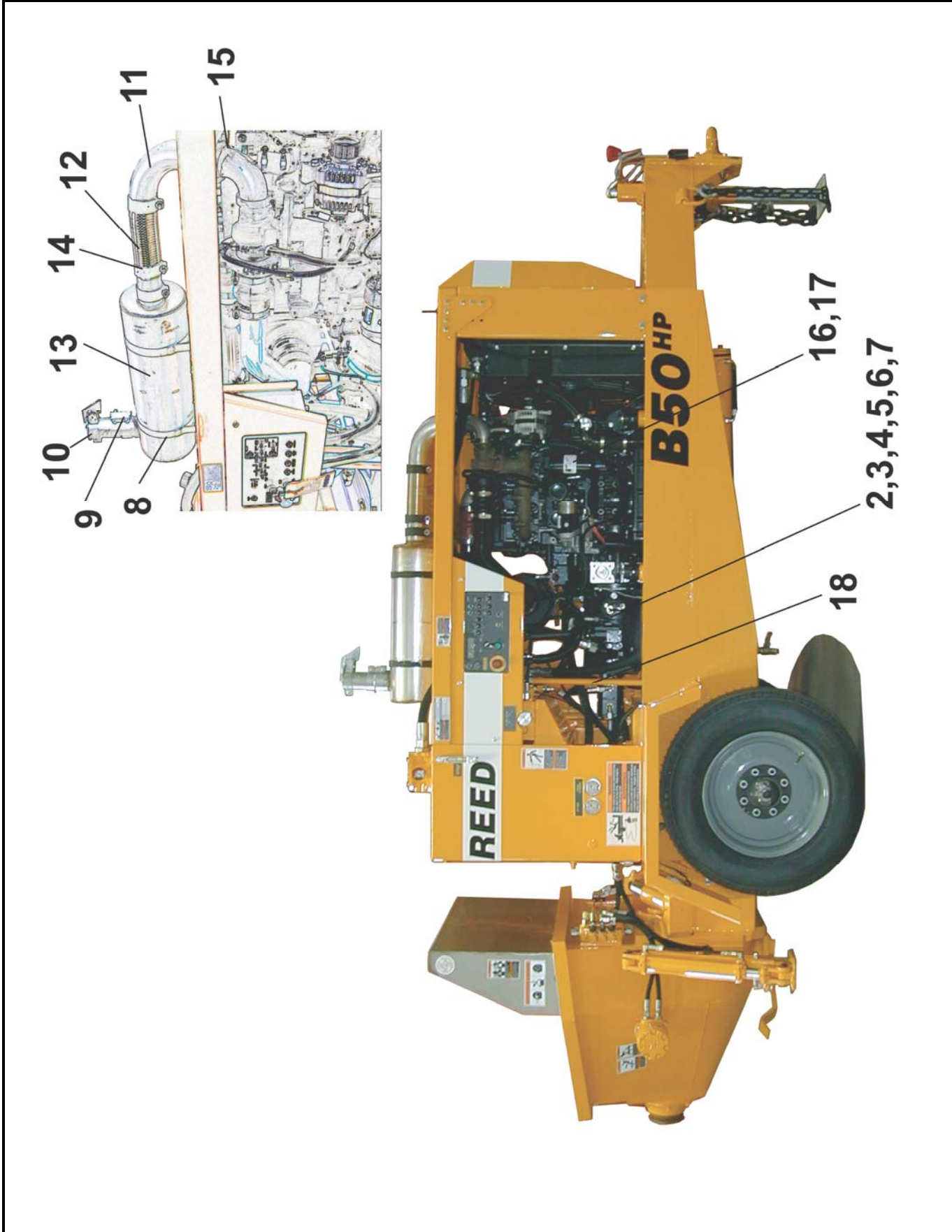
REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 40 POWER TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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



POWER TRAIN INSTALLATION

B50
PARTS
GROUP 40
FIGURE 01
PAGE 01



REVISION:



POWER TRAIN INSTALLATION

B50
PARTS
GROUP 40
FIGURE 01
PAGE 02

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

REVISION:



POWER TRAIN INSTALLATION

B50
PARTS
GROUP 40
FIGURE 01
PAGE 03



REVISION:



POWER TRAIN INSTALLATION

B50
PARTS
 GROUP 40
 FIGURE 01
 PAGE 04

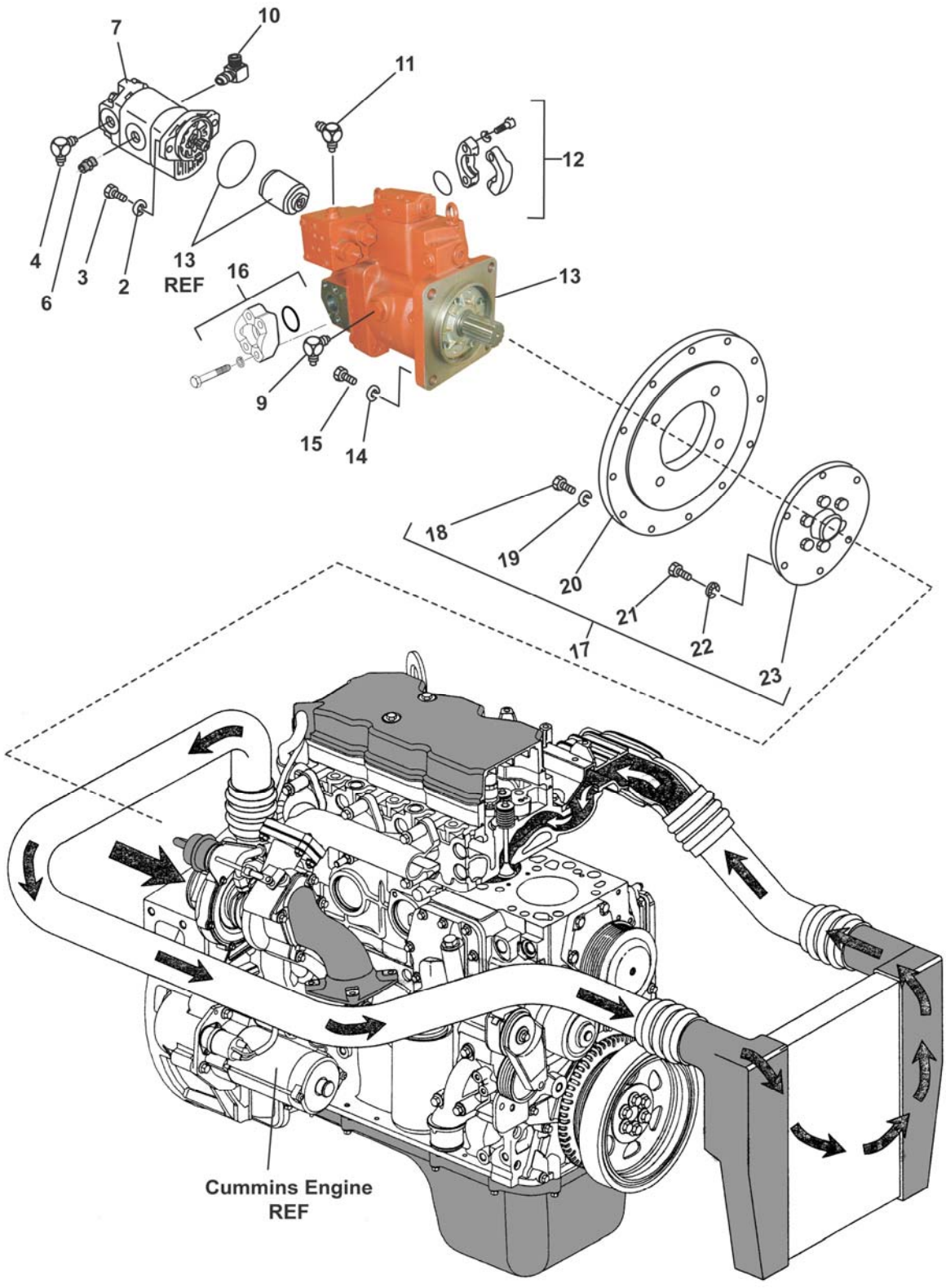
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	40-01	Installation, Power Train (See Group 10, Figure 01, 02, 03 and 04 for NHA)	Ref
2	40-02	• Assembly, Main and Auxiliary Pumps (See Group 40, Figure 02 for DET)	1
3	79803	• Clamp, T-Bolt-3.00 Dia	4
4	86911-009	• Stem, 2 1/2" 90 Deg-40GL-40FL90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

REVISION:



HYDRAULIC PUMPS ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 02
PAGE 01



REVISION:



HYDRAULIC PUMPS ASSEMBLY

B50
PARTS
 GROUP 40
 FIGURE 02
 PAGE 02

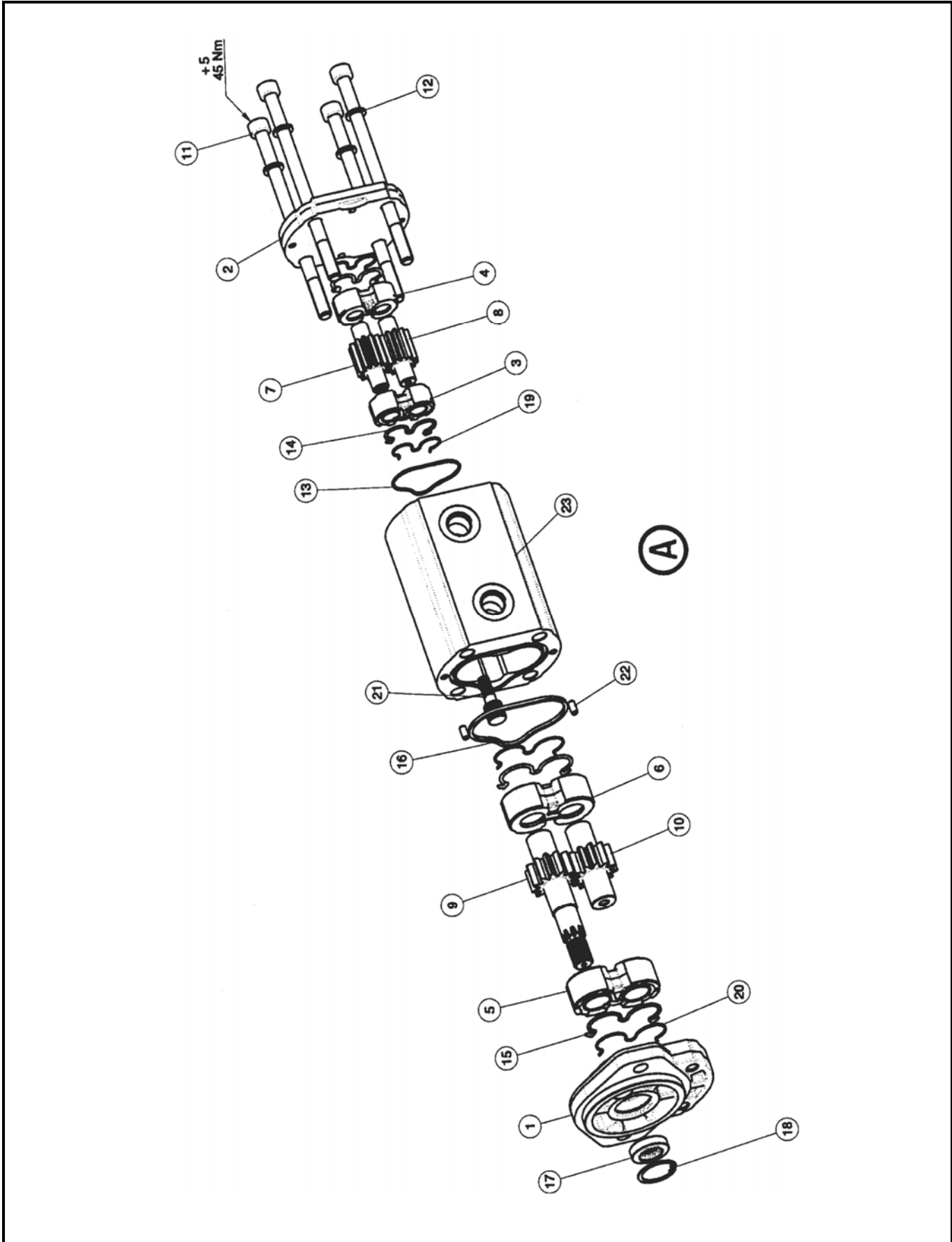
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	40-02	Assembly, Hydraulic Pump (See Group 40, Figure 01 for NHA)	Ref
2		• Washer, Lock	2
3		• Bolt, Hex	2
4	86728-04	• Fitting, 90 MB-MJ90-10-10	1
5	87571-1	• Assembly, Double Auxiliary Pump (See Group 40, Figure 04 for DET)	1
6	86900-017	• Fitting, Adaptor MB-MJ-10-10	1
7	86912-006	• Stem ML90-20-16	1
8	86911-009	• Stem ML90-40-40	1
9	NPN	• Fitting, Elbow MB-MJ90-12-10	1
10	86728-023	• Fitting, Elbow MB-MJ90-16-16	1
11	NPN	• Fitting, Elbow MB-MJ90-4-6	1
12	86264-007	• Kit, Split Flange-Code 61-40 SAE	1
13	87723	• Assembly, Main Pump (See Group 40, Figure 05 for DET) (Also See Vendor Section, Figure 02 for REF)	1
14		• Washer, Lock (attaching parts)	4
15		• Bolt, Hex (attaching parts)	4
16	86265-003	• Kit, Split Flange-Code 62-20 SAE	1
17	87360	• Assembly, Flywheel Coupling (Pump Drive)	1
18		•• Bolt, Hex	12
19		•• Washer, SPL	12
20		•• Plate, Flywheel	1
21		•• Screw	6
22		•• Washer	6
23		•• Plate, Flywheel	1
DASH (-) ITEM NOT ILLUSTRATED			

REVISION:



DOUBLE AUXILIARY PUMP ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 03
PAGE 01



REVISION:



DOUBLE AUXILIARY PUMP ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 03
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
	87571-1	Assembly Double Auxiliary Pump (See Group 40, Figure 02 for NHA)	Ref
1		• Cover, Front	1
2		• Cover, Twin Rear	1
3		• Plate, Thrust	1
4		• Plate, Thrust	1
5		• Plate, Thrust	1
6		• Plate, Thrust	1
7		• Gear, Drive	1
8		• Gear, Driven	1
9		• Shaft, Drive	1
10		• Gear, Driven	1
11		• Screw	4
12		• Washer	4
13		• O-Ring	1
14		• Seal	2
15		• Seal	2
16		• Plate, Seal	1
17		• Seal, Shaft	1
18		• Ring	1
19		• Plate, Anti-Intrusion	2
20		• Ring, Back-Up	2
21		• Hub	1
22		• Pin, Dowel	2
23		• Body	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:

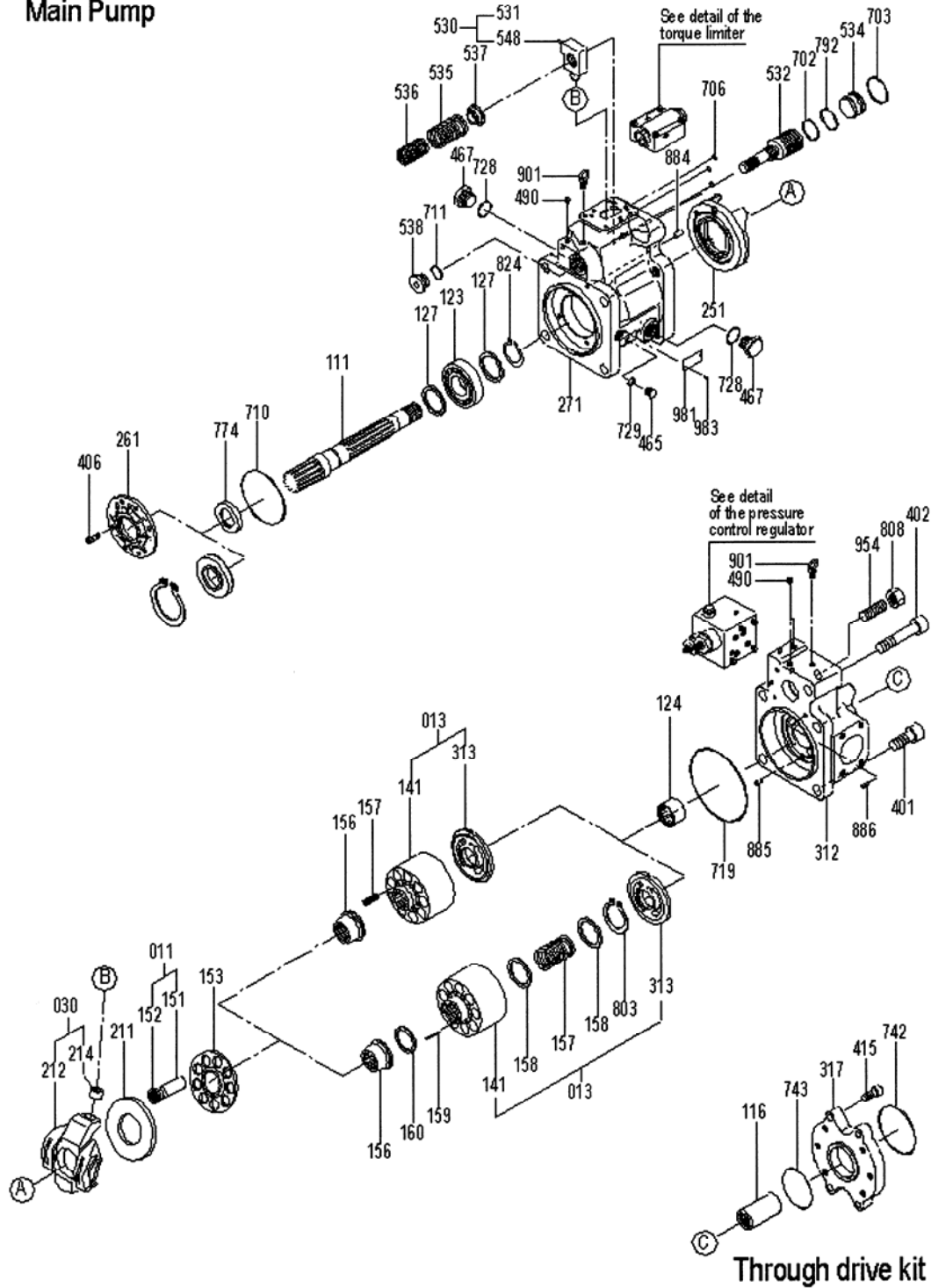


KAWASAKI MODEL K3VL MAIN PUMP ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 04
PAGE 01

Attached Drawing No.1 Exploded Drawing

Main Pump



REVISION:



**KAWASAKI MODEL K3VL
MAIN PUMP ASSEMBLY**

B50
PARTS
GROUP 40
FIGURE 04
PAGE 02

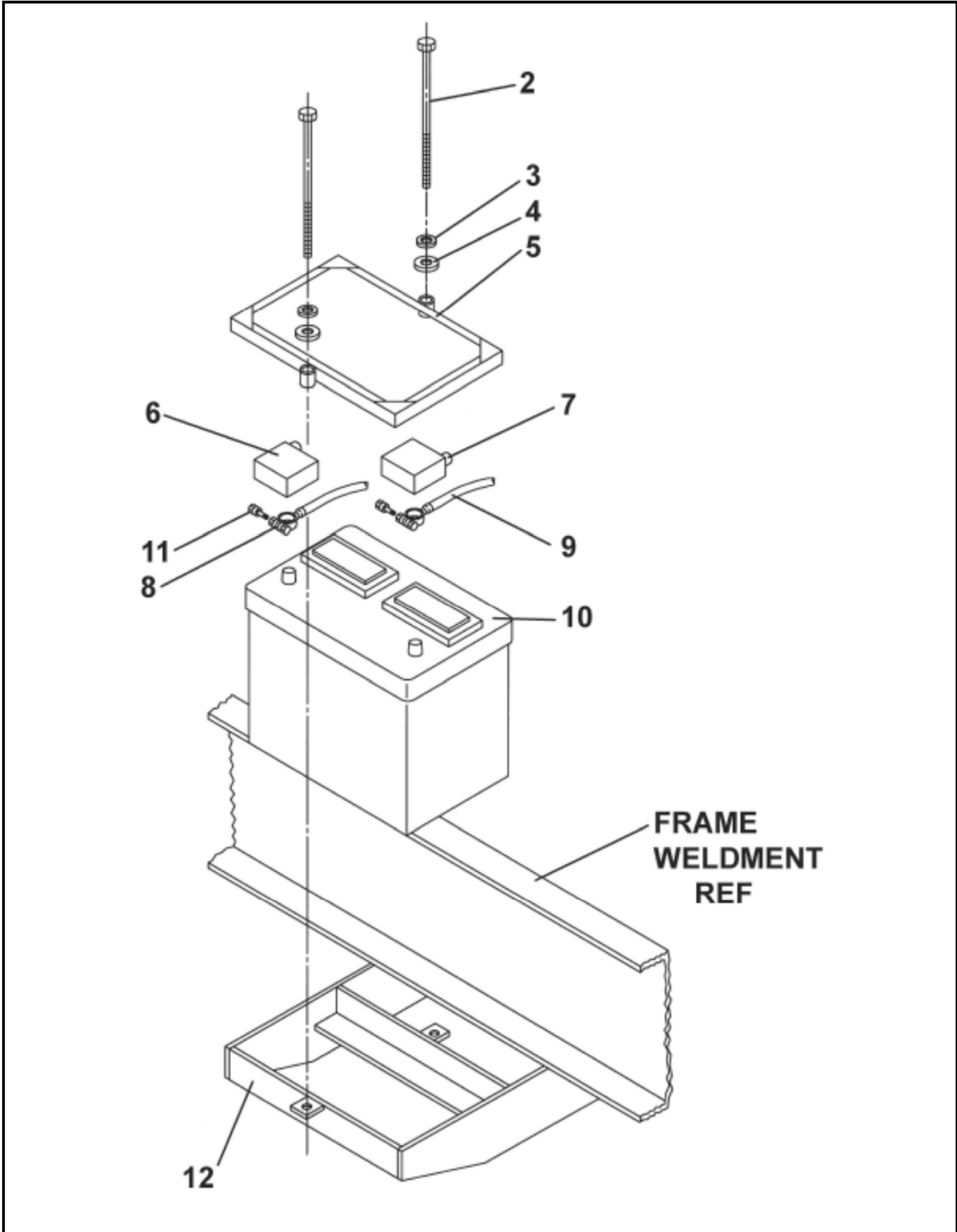
ITEM NO.	REED'S PART NO.	DESCRIPTION	QTY
1	PN 87723	1 2 3 4 5 • Assembly, Main Hydraulic Pump (See Vendor Section, Figure 02 for Complete Info)	Ref

REVISION:



BATTERY MOUNT ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 05
PAGE 01



REVISION:



BATTERY MOUNT ASSEMBLY

B50
PARTS
GROUP 40
FIGURE 05
PAGE 02

ITEM NO.	REED'S PART NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	40-06	Assembly, Battery Mounting (See Group 40, Figure 01 for NHA)					Ref
2		• Bolt, Hex					2
3		• Washer, Lock					2
4		• Washer, Flat					2
5	72945	• Holder, Battery Dopwn					1
6	87221	• Insulator, Negative Battery (Red)					1
7	87222	• Insulator, Positive Battery (Black)					1
8	72014	• Cable, Negative Battery (Red)					1
9	75116	• Cable, Positive Battery (Black)					1
10	77075	• Battery, 12 VDC					1
11	87223	• Extender, Top Terminal Bolt					2
12	86240	• Weldment, Battery Box					1
-13	87541	• Relay, Starter					1
-14	87544	• Bracket, Starter Relay Mount					1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



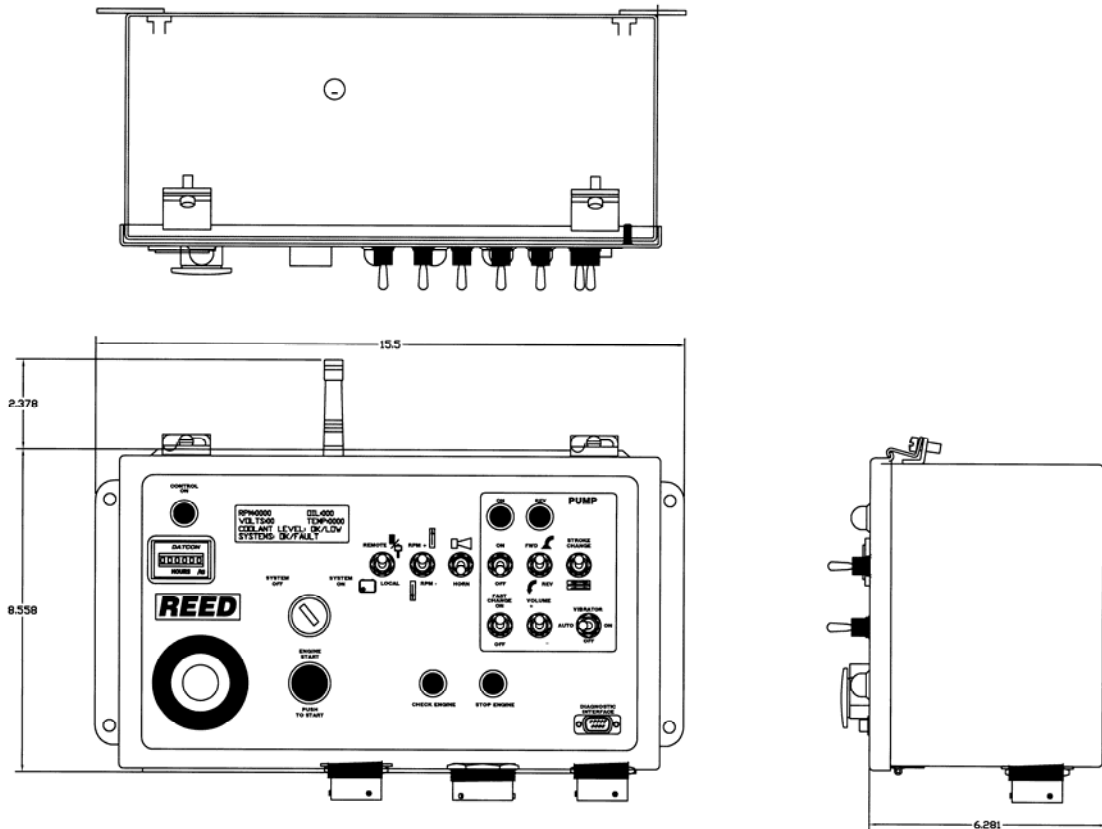
**TRAILER MOUNTED PUMP MODEL *B50*
ILLUSTRATED PARTS MANUAL**

B50
PARTS
GROUP 40
FIGURE 06
PAGE 01

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

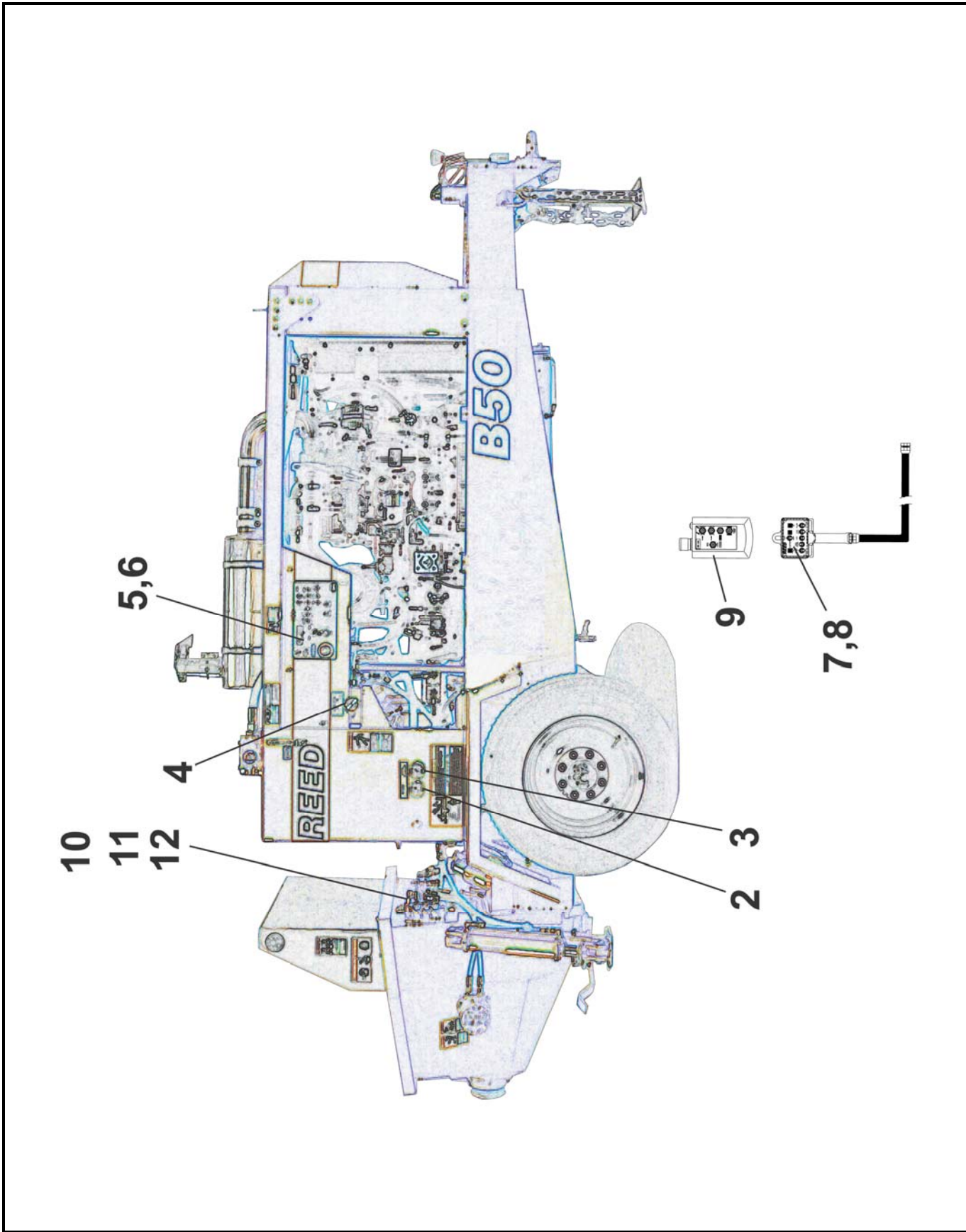
- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** CONTROLS INSTALLATION
- FIGURE 02** CONTROL BOX ASSEMBLY
- FIGURE 03** 50 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 04** 100 FEET CABLE REMOTE CONTROL ASSEMBLY
- FIGURE 05** RADIO REMOTE CONTROL ASSEMBLY





CONTROL INSTALLATION

B50
PARTS
GROUP 50
FIGURE 01
PAGE 01



REVISION:



CONTROL INSTALLATION

B50
PARTS
GROUP 50
FIGURE 01
PAGE 02

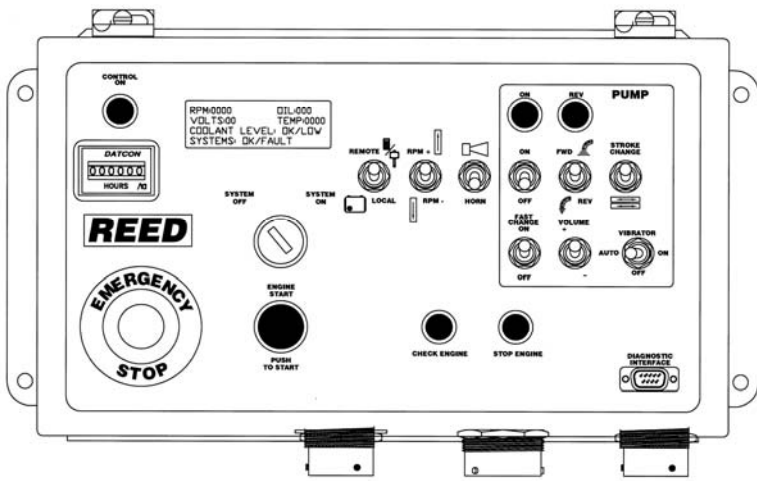
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	50-01	Installation, Control (See Group 10, Figure 01, 02, 03 and 04 for NHA)	Ref
2	70366	• Gauge, 3,000 PSI Hydraulic (See Group 30, Figure 02 for REF)	1
3	74562	• Gauge, 6,000 PSI Hydraulic (See Group 30, Figure 02 for REF)	1
4	85697	• Cartridge, Flow Control Valve (See Group 30, Figure 07 for REF)	1
5	800347	• Horn, 12 V	1
6	87346-2	• Assembly, Control Box (See Group 50, Figure 02 for DET)	1
7	87347-1	• Assembly, 50 Feet Cable Remote Control (See Group 50, Figure 03 for DET)	1
8	NPN	• Assembly, 100 Feet Cable Remote Control (See Group 50, Figure 04 for DET)	1
9	87348-1	• Assembly, Radio Remote Control (Optional Item) (See Group 50, Figure 05 for DET)	1
10	20-09	• Assembly, 3 Spool Control Valve (Optional Item) (See Group 20, Figure 08 for REF)	1
11	80-16	• Assembly, 1 Spool Control Valve (Optional Item) (See Group 80, Figure 16 for REF)	1
12	80-18	• Assembly, 2 Spool Control Valve (Optional Item) (See Group 80, Figure 18 for REF)	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



CONTROL BOX ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 02
PAGE 01



CONTROL BOX WITH COVER REMOVED

VOLUME CONTROL

MAIN HYDRAULIC PUMP

REVISION:



CONTROL BOX ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 02
PAGE 02

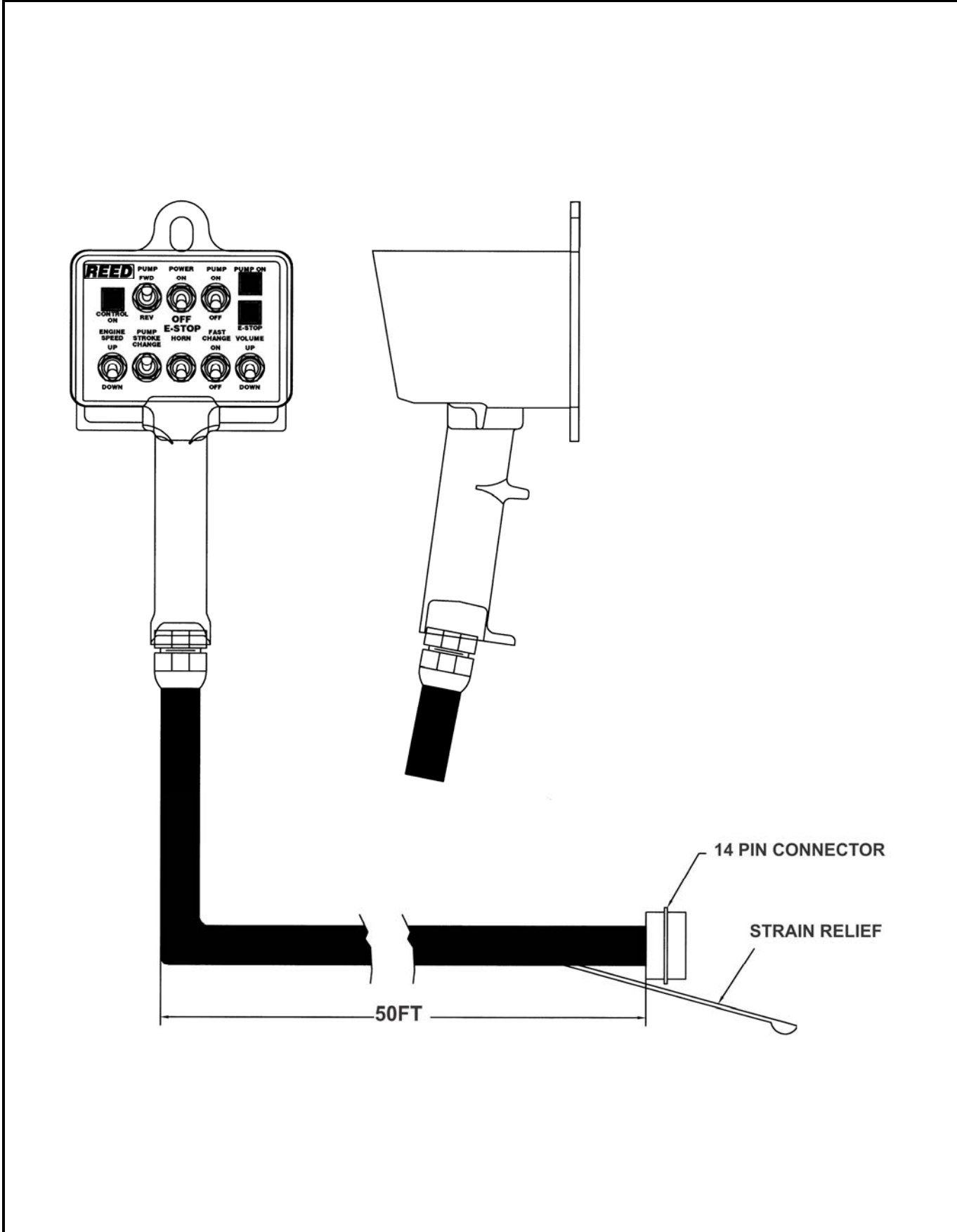
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	87346-2	Assembly, Control Box (See Group 50, Figure 01 for NHA)					Ref
2		•					
3		•					
4		•					
5		•					
6		•					
7		•					
8		•					
9		•					
10		•					
11		•					
12	800447	• Fuse, 25A				3	
13	800449	• Fuse, 10A				3	
14	90391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

REVISION:



50 FEET CABLE REMOTE CONTROL ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 03
PAGE 01



REVISION:



**50 FEET CABLE
REMOTE CONTROL ASSEMBLY**

**B50
PARTS**
GROUP 50
FIGURE 03
PAGE 02

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

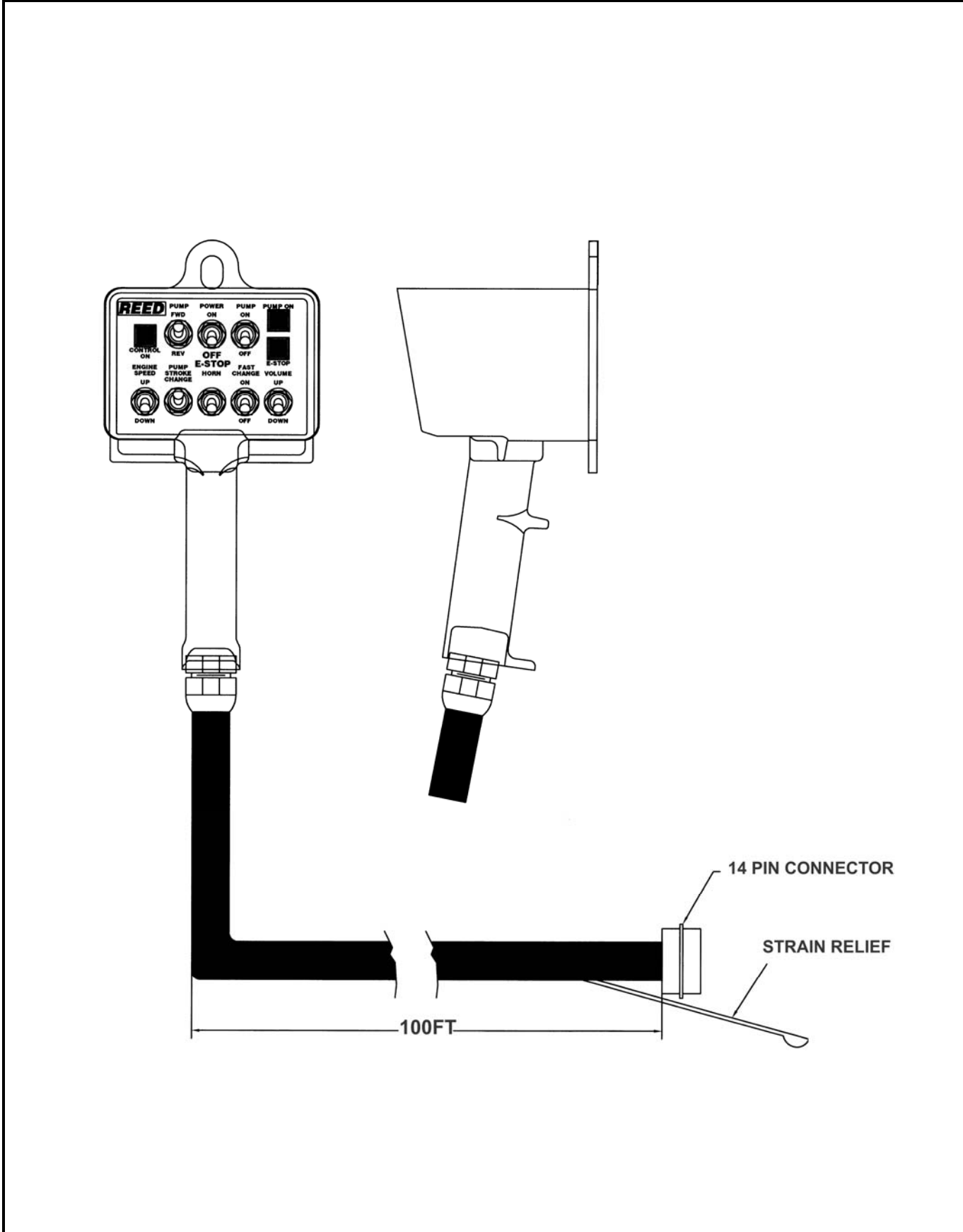
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



100 FEET CABLE REMOTE CONTROL ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 04
PAGE 01



REVISION:



**100 FEET CABLE
REMOTE CONTROL ASSEMBLY**

**B50
PARTS
GROUP 50
FIGURE 04
PAGE 02**

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

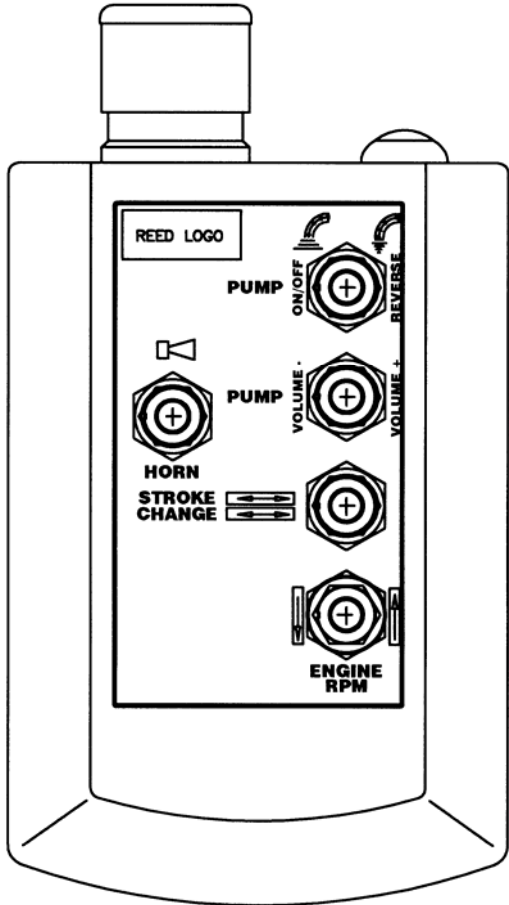
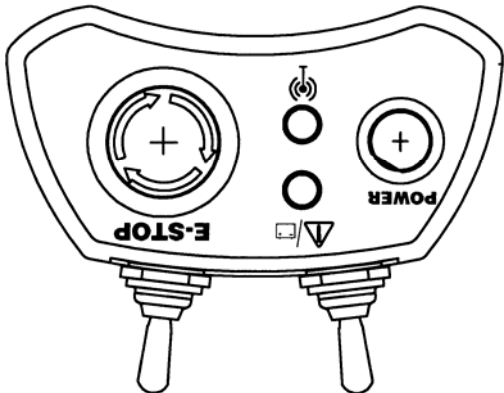
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



OPTIONAL RADIO REMOTE CONTROL ASSEMBLY

B50
PARTS
GROUP 50
FIGURE 05
PAGE 01





**OPTIONAL RADIO
REMOTE CONTROL ASSEMBLY**

**B50
PARTS**
GROUP 50
FIGURE 05
PAGE 02

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

DASH (-) ITEM NOT ILLUSTRATED

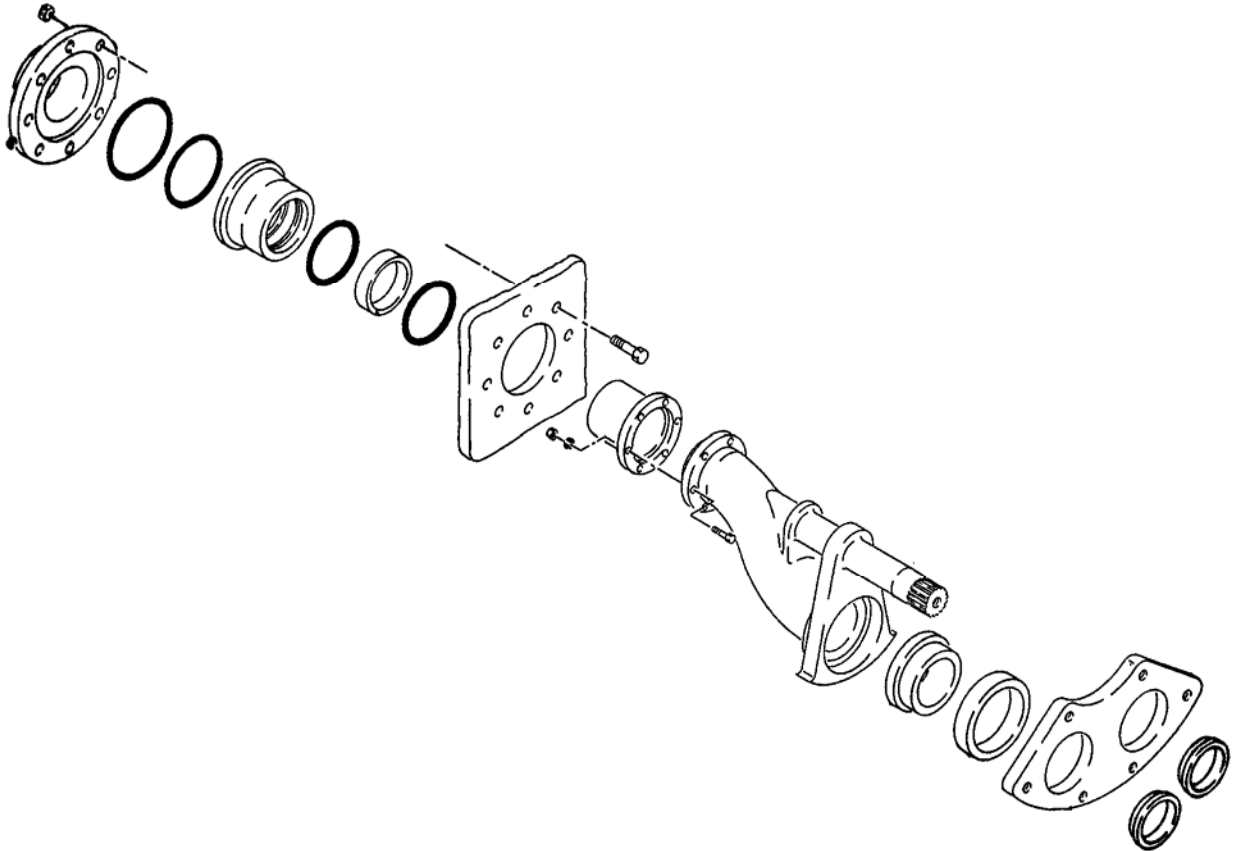
REED

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

B50
PARTS
GROUP 50
FIGURE 06
PAGE 01

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REVISION:



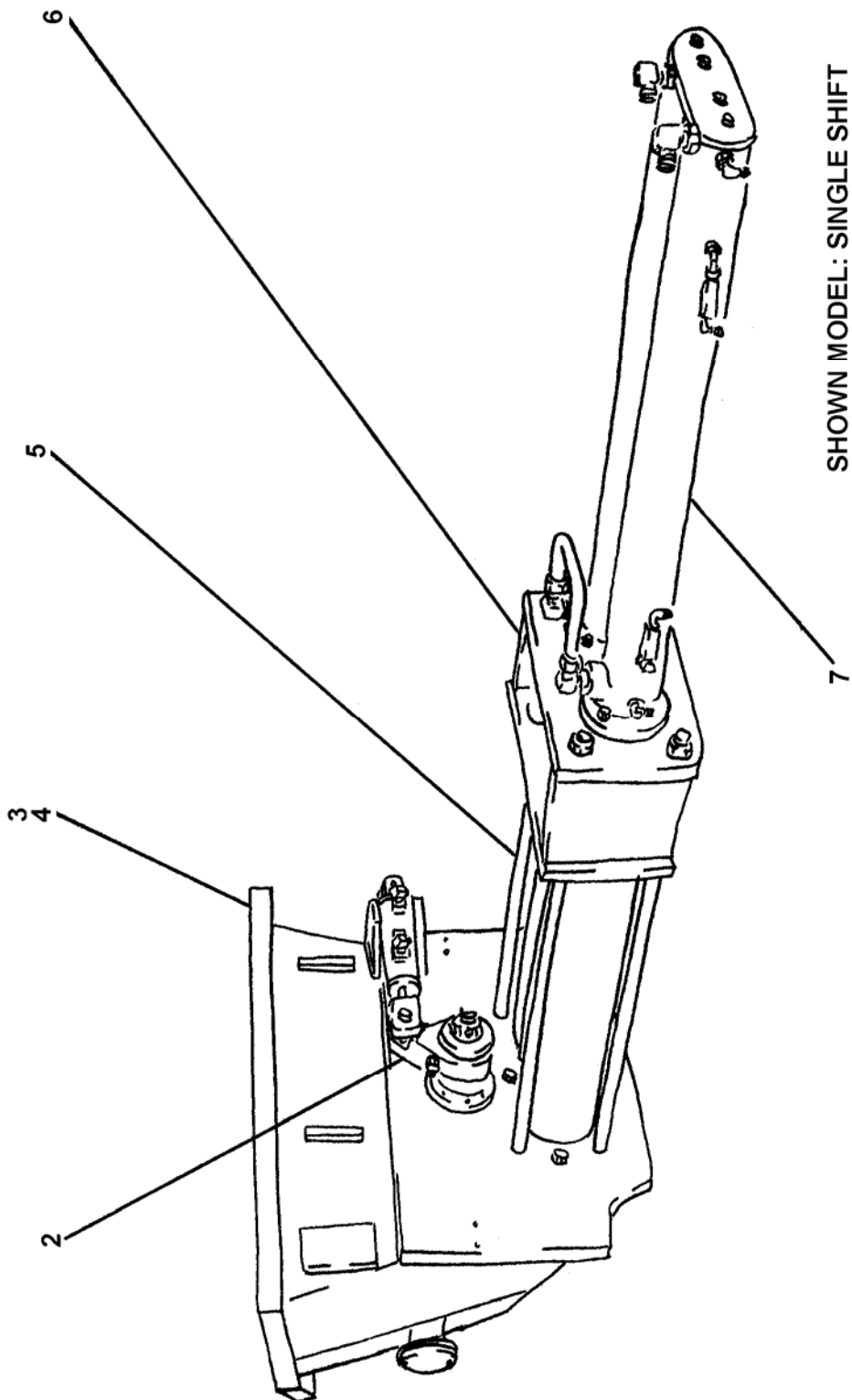
REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 60 PUMPING TRAIN INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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



SINGLE SHIFT PUMPING TRAIN INSTALLATION

B50
PARTS
GROUP 60
FIGURE 01
PAGE 01



SHOWN MODEL: SINGLE SHIFT
STANDARD HOPPER UNIT

REVISION:



SINGLE SHIFT PUMPING TRAIN INSTALLATION

B50
PARTS
GROUP 60
FIGURE 01
PAGE 02

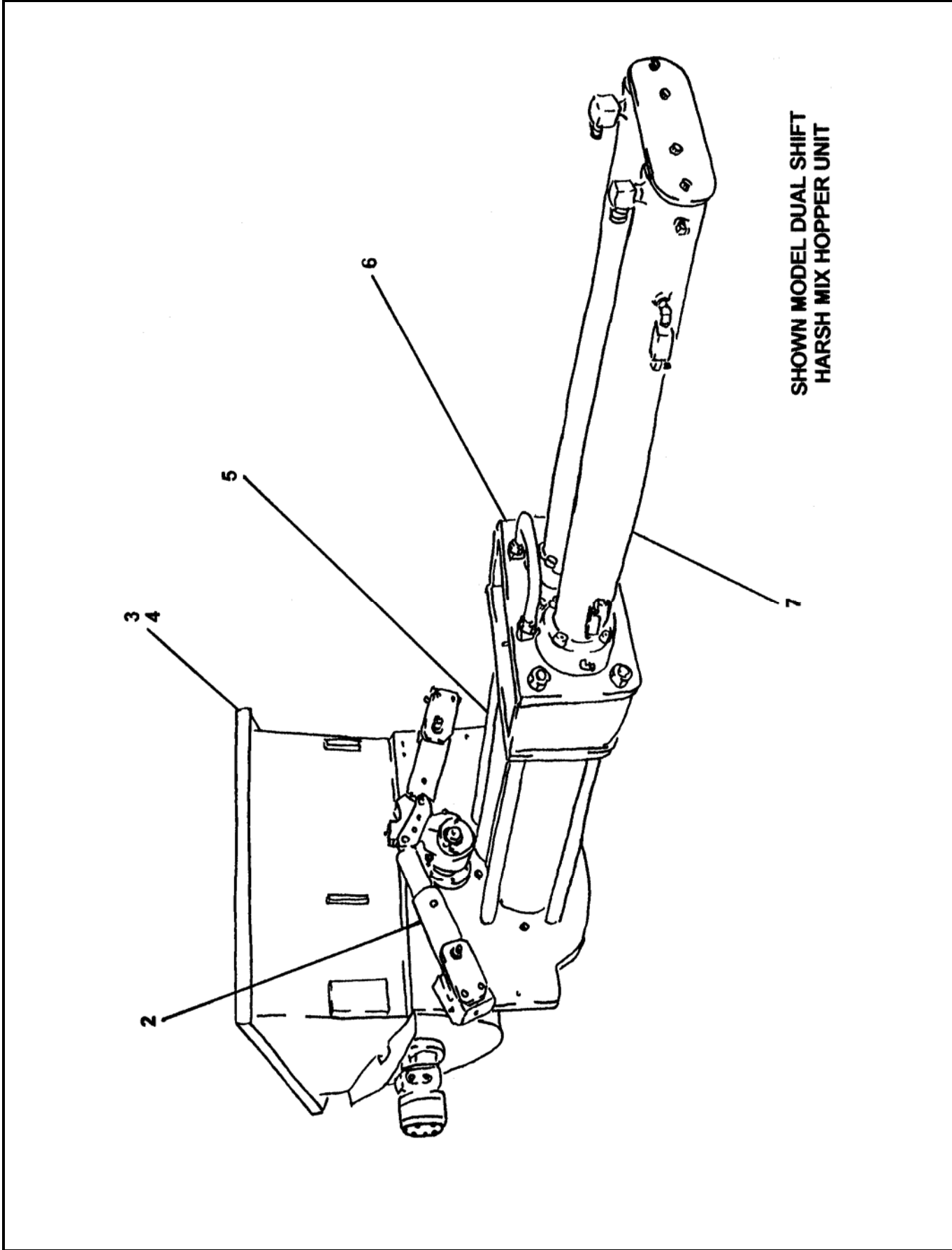
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-01	Installation, Single Shift Pumping Train (See Group 10, Figure 01 and Figure 03 for NHA)	Ref
2	60-02	• Assembly, Single Shift Swing Valve (See Group 60, Figure 02 for DET)	1
3	20-01	• Installation, Standard Hopper (See Group 20, Figure 01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

REVISION:



DUAL SHIFT PUMPING TRAIN INSTALLATION

B50
PARTS
GROUP 60
FIGURE 02
PAGE 01



SHOWN MODEL DUAL SHIFT
HARSH MIX HOPPER UNIT

REVISION:



**DUAL SHIFT
PUMPING TRAIN INSTALLATION**

B50
PARTS
GROUP 60
FIGURE 02
PAGE 02

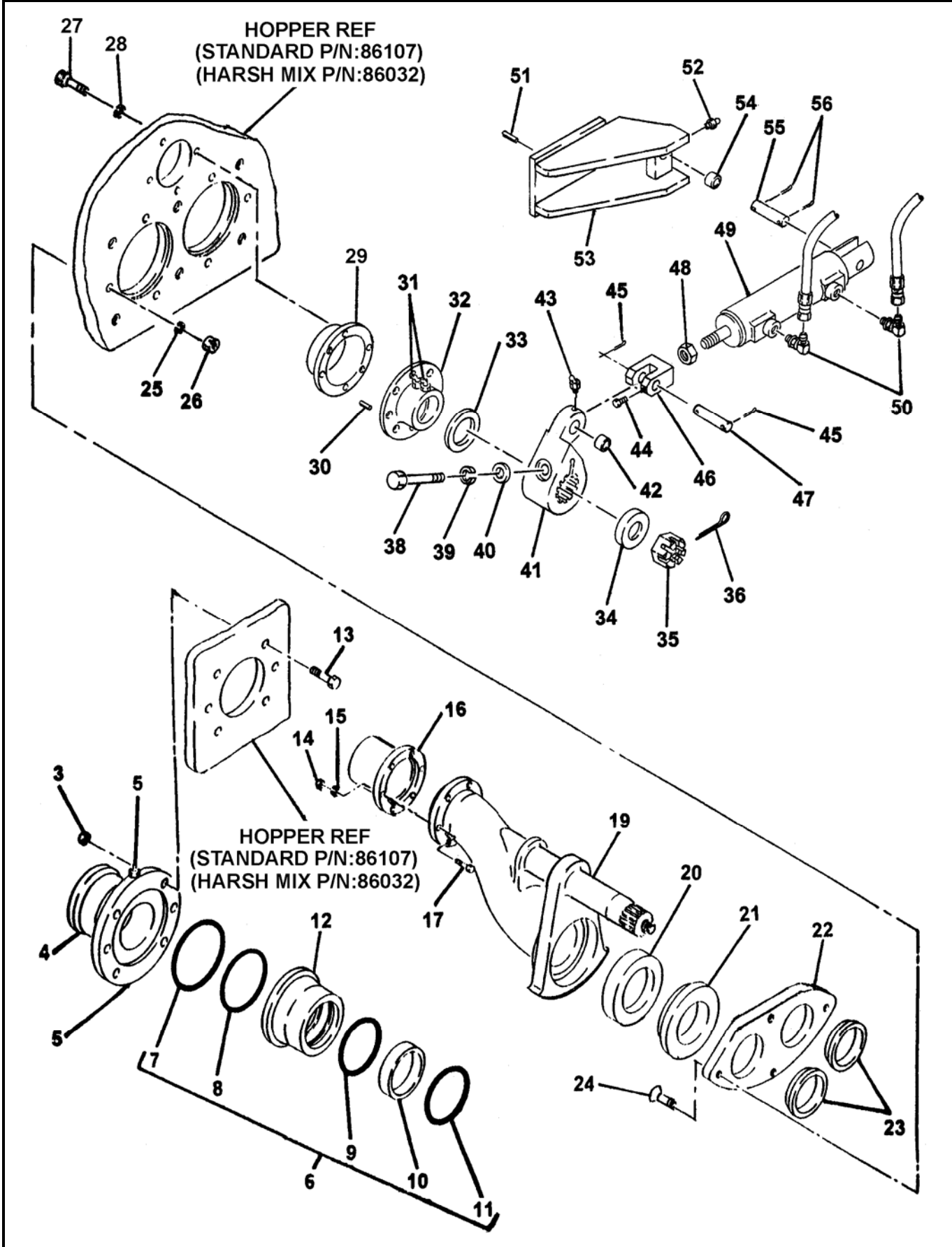
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	60-02	Installation, Dual Shift Pumping Train (See Group 10, Figure 01 and Figure 03 for NHA)	Ref
2	60-04	• Assembly, Dual Shift Swing Valve (See Group 60, Figure 02 for DET)	1
3	20-01	• Installation, Standard Hopper (See Group 20, Figure 01 for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

REVISION:



SINGLE SHIFT SWING VALVE ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 03
PAGE 01



REVISION:



SINGLE SHIFT SWING VALVE ASSEMBLY

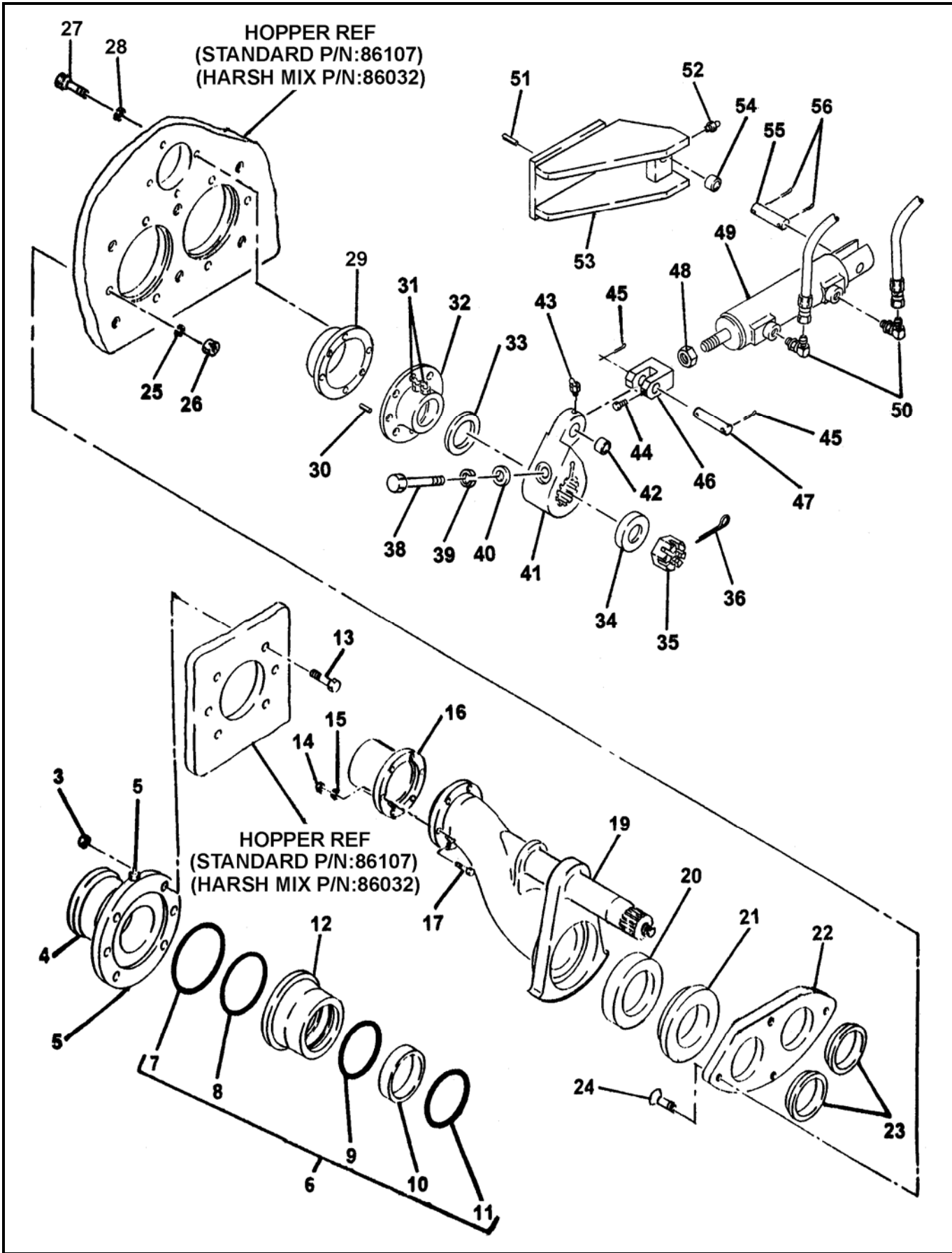
B50
PARTS
GROUP 60
FIGURE 03
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-03	Assembly, Single Shift Swing Valve (See Group 60, Figure 01 for NHA)					Ref
-2	86321	• Assembly, Outlet Group					1
3		• • Nut					6
4	72482	• • Outlet, Machine 5"					1
5		• • Fitting, Grease					2
6	79895	• • Kit, Outlet Seal					1
7	77761	• • • O-Ring, Large					1
8	77762	• • • O-Ring, Small					1
9	86504	• • • Seal, Modified Outlet Thick					1
10	77763	• • • Band, Guide					1
11	77765	• • • Seal, Outlet Thick					1
12	72309	• • Housing, Outlet Seal					1
13		• • Bolt, Hex					6
14		• • Nut, Nylock (attaching parts)					6
15		• • Washer, Lock (attaching parts)					6
16	70042	• • Outlet, Chromed					1
17		• • Bolt, Hex (attaching parts)					6
-18	86317	• Assembly, Swing Tube Group					1
19	85965	• • Weldment, Harsh Swing Tube					1
20	86085	• • Seal, 6 Inch Single Lip					1
21	72310	• • Ring, 6 Inch Single Lip Wear					1
22	86031	• • Plate, Wear					1
23	86086	• • Ring, Anti Chip					2
24		• • Bolt, Flat Head					4
25		• • Washer, Lock					4
26		• • Nut, Hex					4
27		• • Bolt, Hex					6
28		• • Washer, Lock					6
29	85962	• • Seal, Flange Bearing					1
30		• • Pin, Dowel					1
31		• • Fitting, Grease 90					2
32	85133	• • Bearing, 3 Inch Spline Flange					1
33	85294	• • Washer, Thrust					1
34	85134	• • Spacer, Swing Tube Nut					1
35	70825	• • Nut, Swing Tube					1
36		• • Pin Cotter					1
-37	86319	• Assembly, Swing Tube Single Shift Group					1
38		• • Bolt, Hex					1
39		• • Washer, Flat					1
40		• • Washer, Lock					1
41	85131	• • Crank, 3 Inch Single Splined Bell					1



SINGLE SHIFT SWING VALVE ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 03
PAGE 03



REVISION:

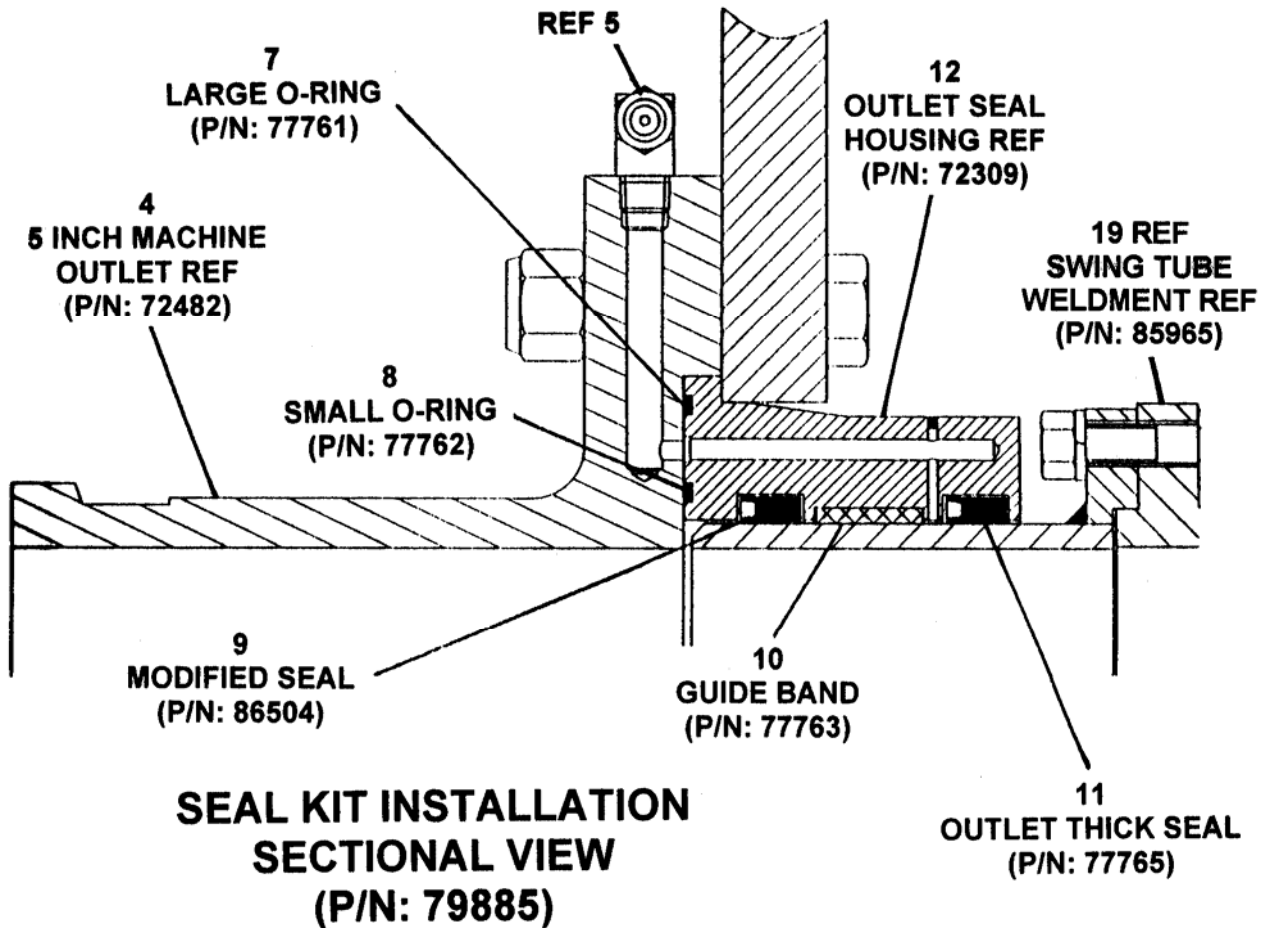


SINGLE SHIFT SWING VALVE ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 03
PAGE 04

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
42	85538	•••					1
43		••					1
44		••					1
45		••					2
46	86135	••					1
47	86150	••					1
48		••					1
49	86221	••					1
50		••					2
51	86052	••					2
52		••					1
53	85947	••					1
54	71011	•••					1
55	74207	••					1
56		••					2

DASH (-) ITEM NOT ILLUSTRATED

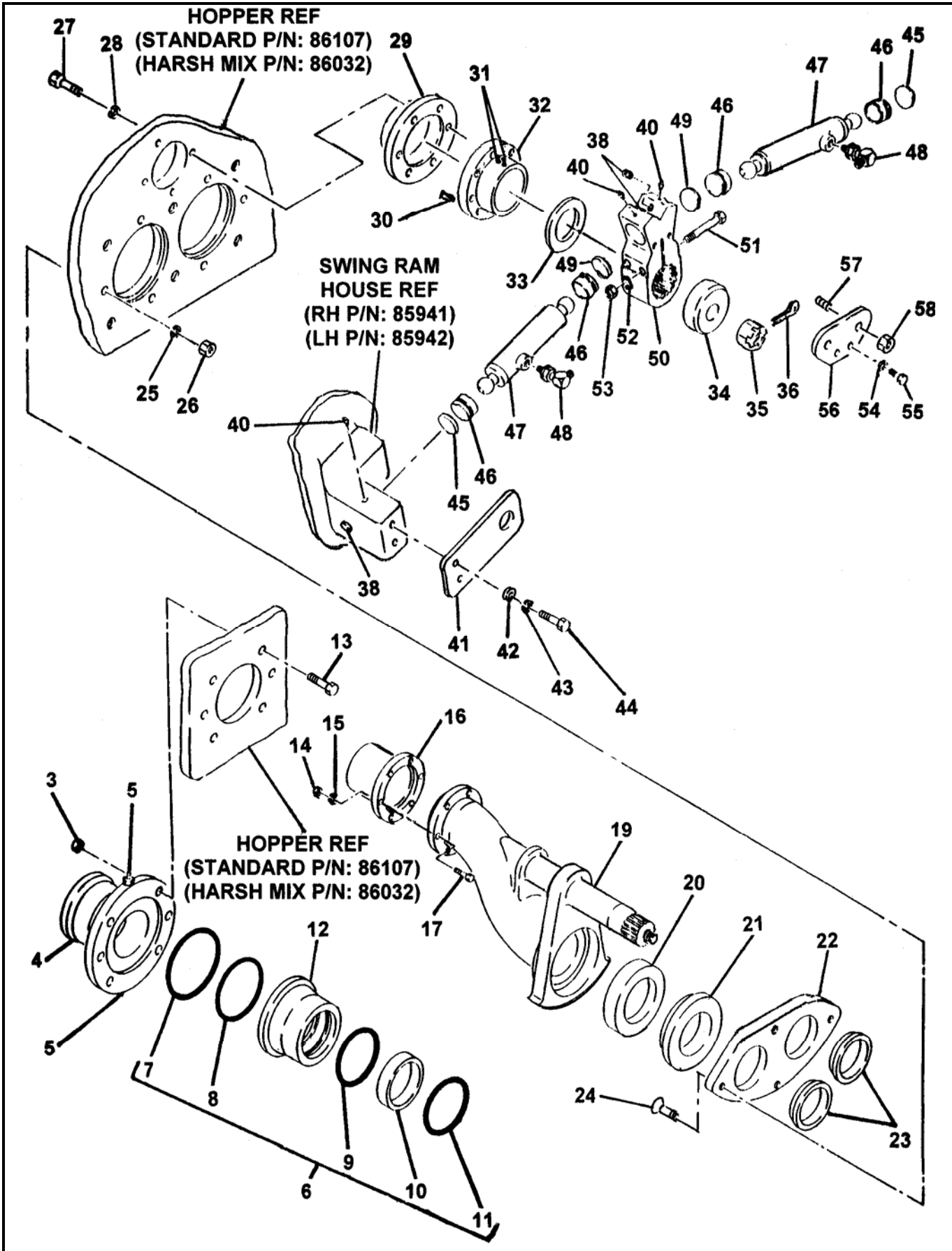


REVISION:



DUAL SHIFT SWING VALVE ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 04
PAGE 01



REVISION:



DUAL SHIFT SWING VALVE ASSEMBLY

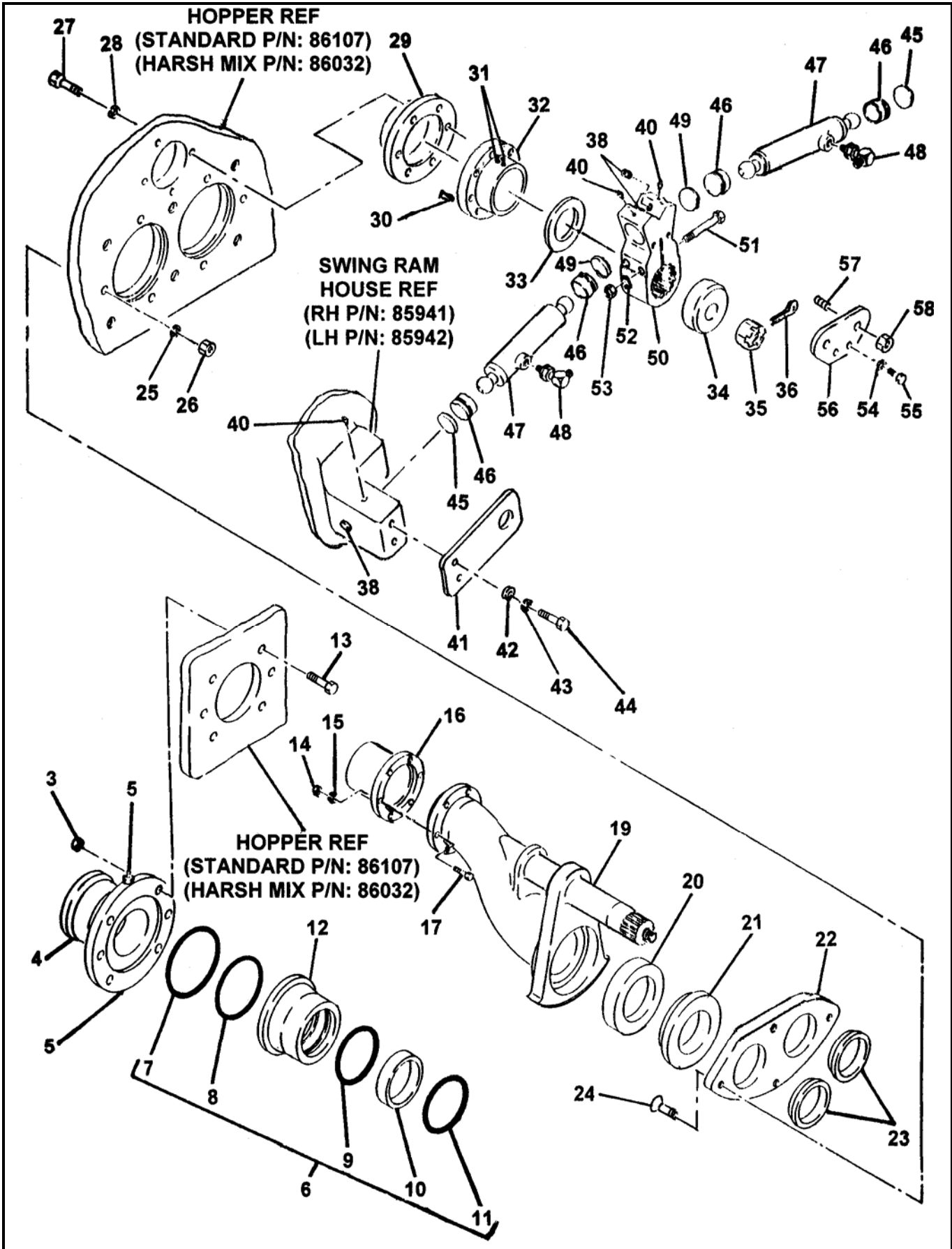
B50
PARTS
GROUP 60
FIGURE 04
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	60-04	Assembly, Dual Shift Swing Valve (See Group 60, Figure 02 for NHA)					Ref
-2	86321	• Assembly, Outlet Group					1
3		•• Nut					6
4	72482	•• Outlet, Machine 5"					1
5		•• Fitting, Grease					2
6	79895	•• Kit, Outlet Seal					1
7	77761	••• O-Ring, Large					1
8	77762	••• O-Ring, Small					1
9	86504	••• Seal, Modified Outlet Thick					1
10	77763	••• Band, Guide					1
11	77765	••• Seal, Outlet Thick					1
12	72309	•• Housing, Outlet Seal					1
13		•• Bolt, Hex					6
14		•• Nut, Nylock (attaching parts)					6
15		•• Washer, Lock (attaching parts)					6
16	70042	•• Outlet, Chromed					1
17		•• Bolt, Hex (attaching parts)					6
-18	86317	• Assembly, Swing Tube Group					1
19	85965	•• Weldment, Harsh Swing Tube					1
20	86085	•• Seal, 6 Inch Single Lip					1
21	72310	•• Ring, 6 Inch Single Lip Wear					1
22	86031	•• Plate, Wear					1
23	86086	•• Ring, Anti Chip					2
24		•• Bolt, Flat Head					4
25		•• Washer, Lock					4
26		•• Nut, Hex					4
27		•• Bolt, Hex					6
28		•• Washer, Lock					6
29	85962	•• Seal, Flange Bearing					1
30		•• Pin, Dowel					1
31		•• Fitting, Grease 90					2
32	85133	•• Bearing, 3 Inch Spline Flange					1
33	85294	•• Washer, Thrust					1
34	85134	•• Spacer, Swing Tube Nut					1
35	70825	•• Nut, Swing Tube					1
36		•• Pin Cotter					1
-37	86320	• Assembly, Swing Tube Dual Shift Group					1
38		•• Plug, Pipe					4
39	86052	•• Pin, Spring					4
40		•• Fitting, Grease 90					2
41	86441	•• Retainer, Swing Ram					2

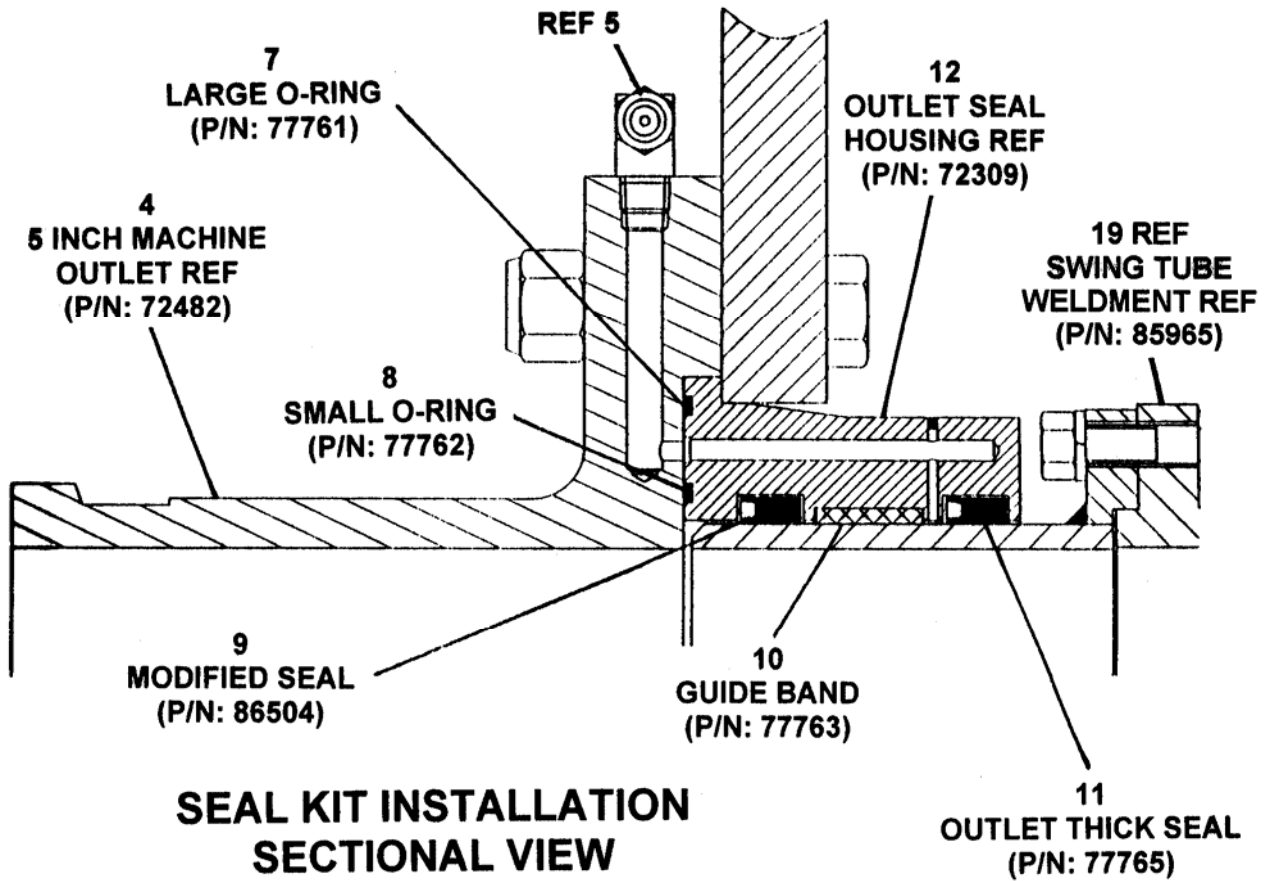


DUAL SHIFT SWING VALVE ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 04
PAGE 03



REVISION:



**SEAL KIT INSTALLATION
 SECTIONAL VIEW
 (P/N: 79885)**

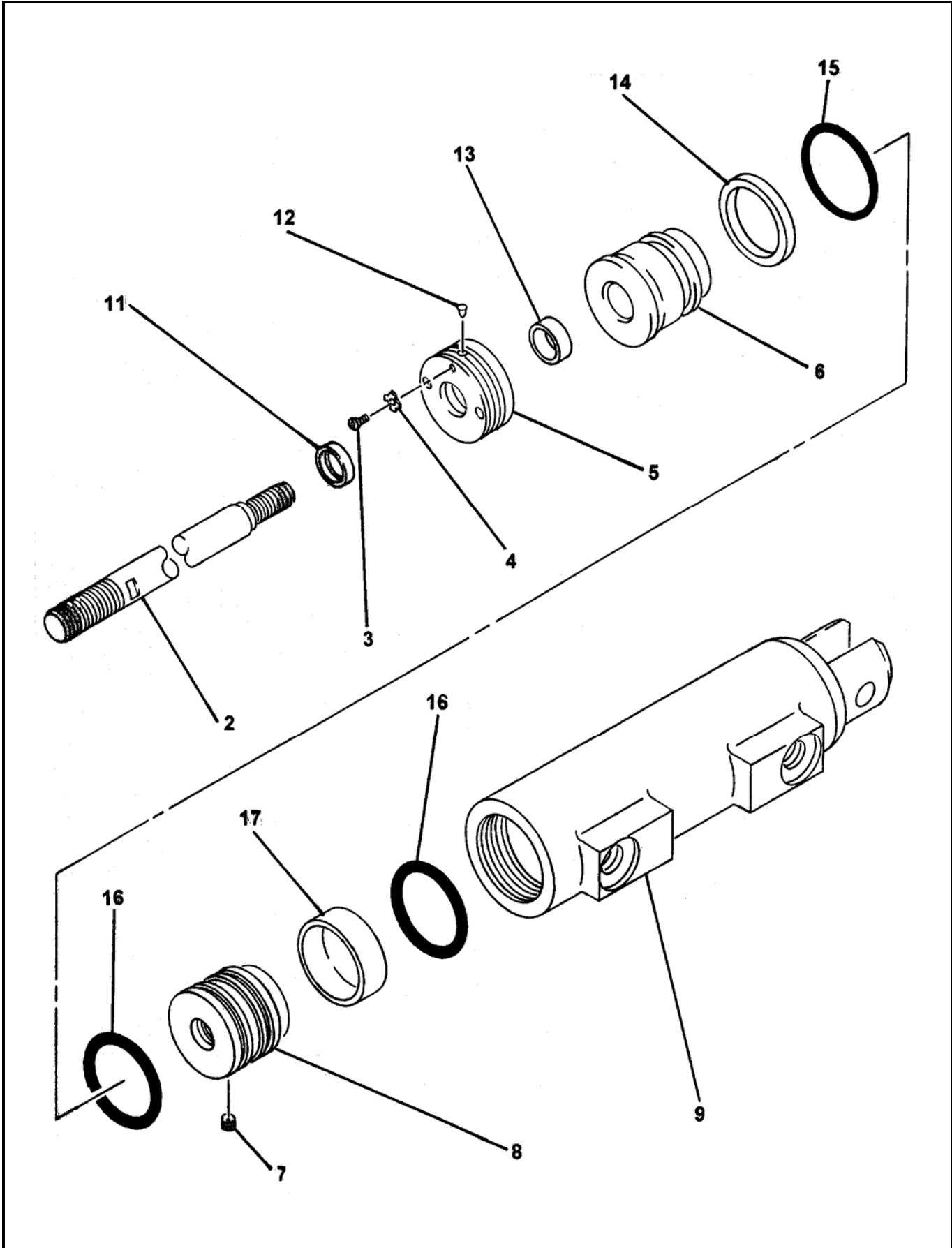
ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
42		••	Washer, Flat (attaching parts)				4
43		••	Washer, Lock (attaching parts)				4
44		••	Bolt, Hex (attaching parts)				4
45	75501	••	Spacer				2
46	76798	••	Socket, Ball				4
47	86220	••	Assembly, Dual Shift Swing Ram Cylinder (See Group 60, Figure 06 for DET)				1
48	75502	••	Fitting, 90				2
49	75501	••	Spacer				2
50	85956	••	Crank, 3 Inch Dual Shift Splined Bell				1
51		••	Bolt, Hex (attaching parts)				2
52		••	Washer, SPL Lock (attaching parts)				2
53		••	Nut, Hex (attaching parts)				2
54		••	Washer, Lock				2
55	86283	••	Bolt, Hex				2
56	86282	••	Retainer, Dual Shift Cylinder				1
57		••	Stud				2
58		••	Nut, Hex				2

DASH (-) ITEM NOT ILLUSTRATED



SINGLE SHIFT SWING RAM CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 05
PAGE 01



REVISION:



**SINGLE SHIFT
SWING RAM CYLINDER ASSEMBLY**

**B50
PARTS**
GROUP 60
FIGURE 05
PAGE 02

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

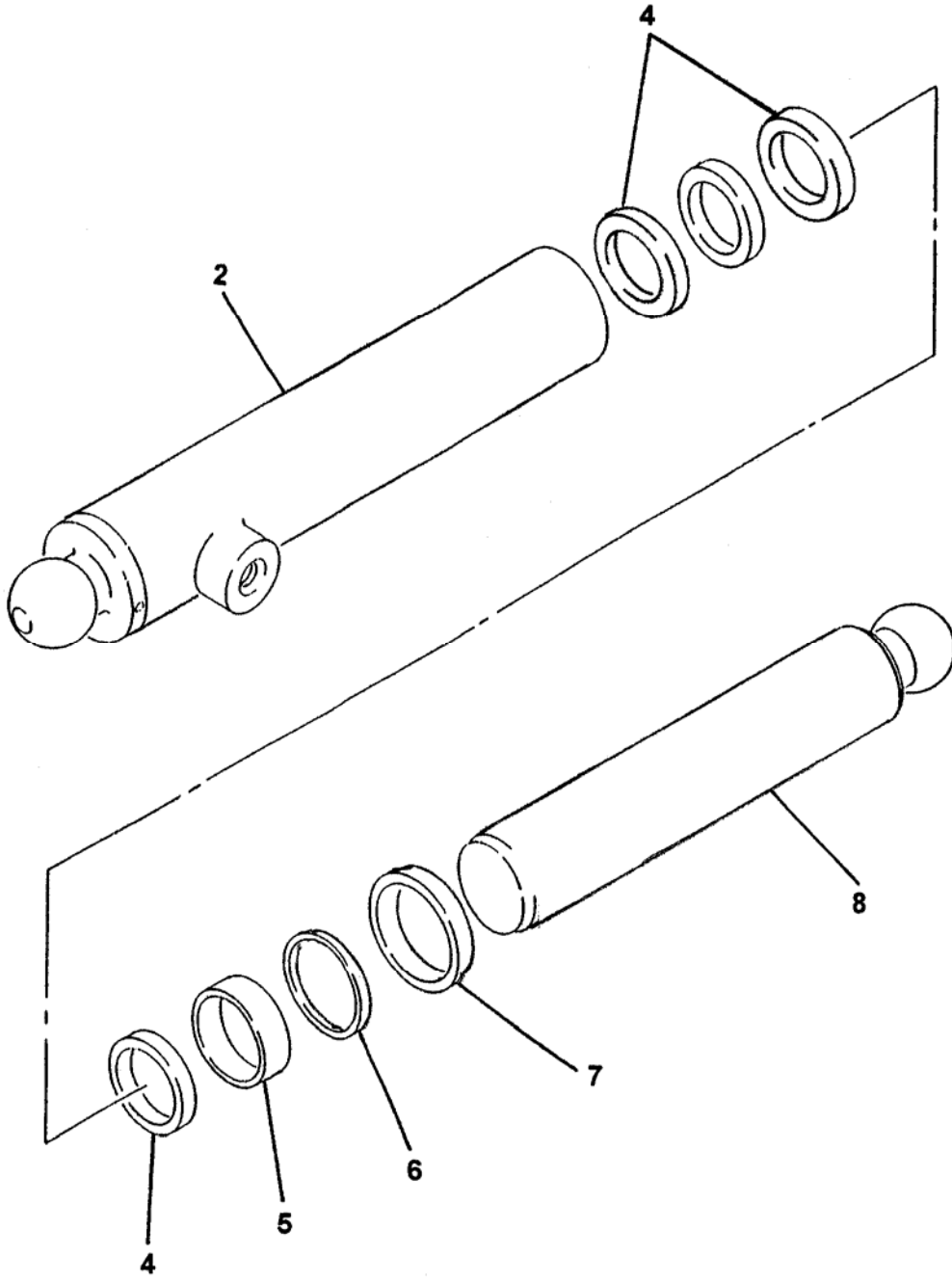
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



DUAL SHIFT
SWING RAM CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 06
PAGE 01



REVISION:



**DUAL SHIFT
SWING RAM CYLINDER ASSEMBLY**

**B50
PARTS**
GROUP 60
FIGURE 06
PAGE 02

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

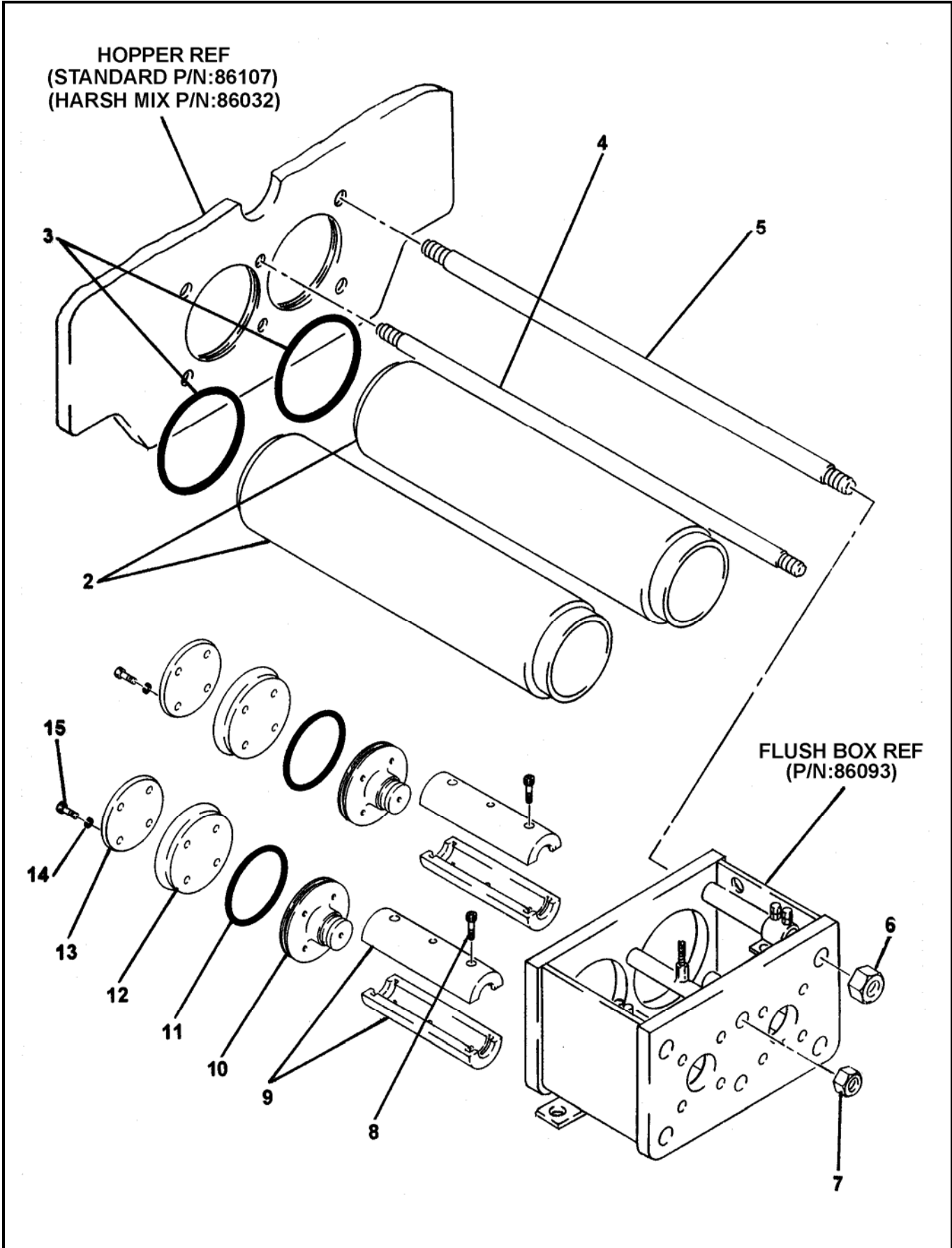
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



MATERIAL CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 07
PAGE 01



REVISION:



MATERIAL CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 07
PAGE 02

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

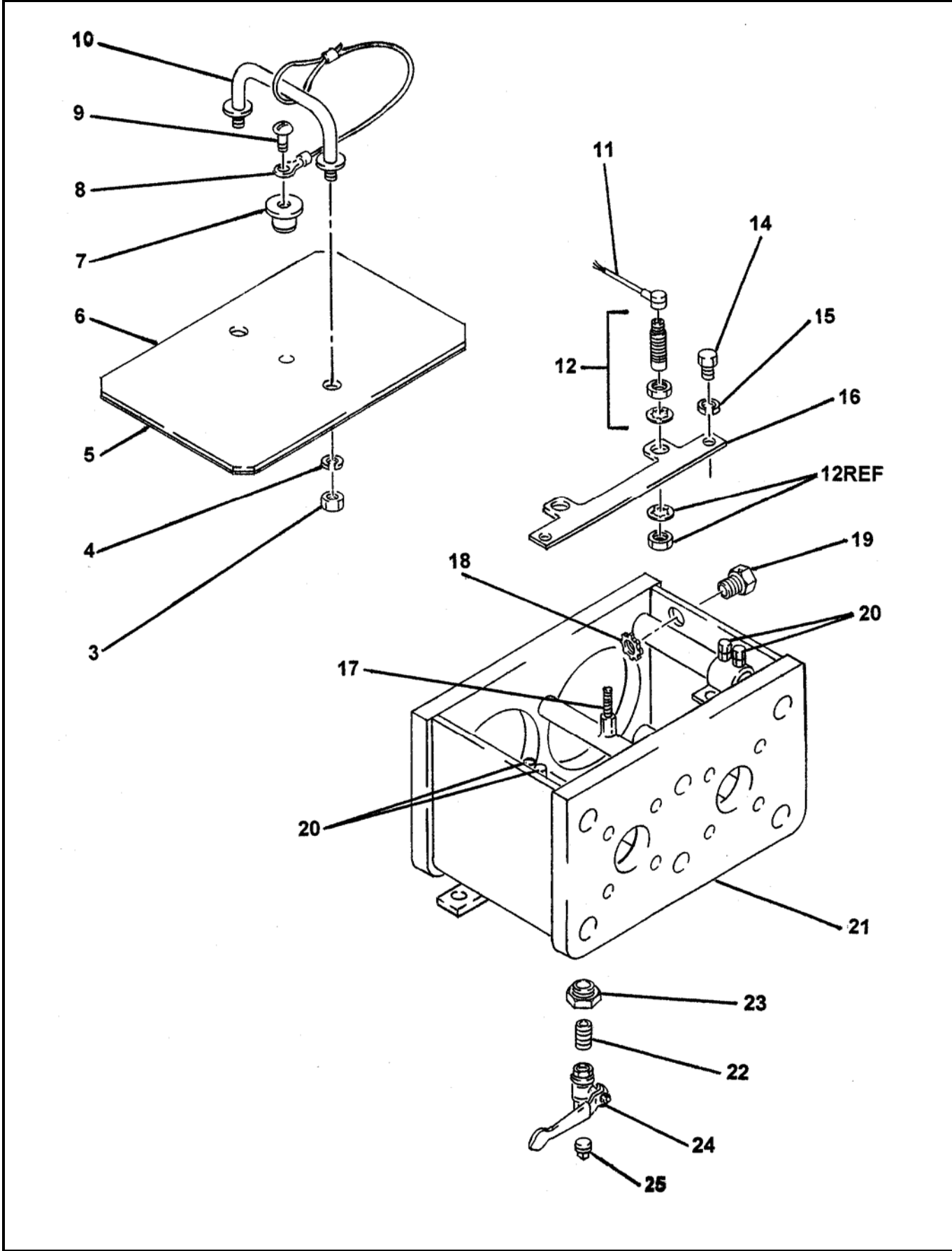
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



FLUSH BOX ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 08
PAGE 01



REVISION:



FLUSH BOX ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 08
PAGE 02

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

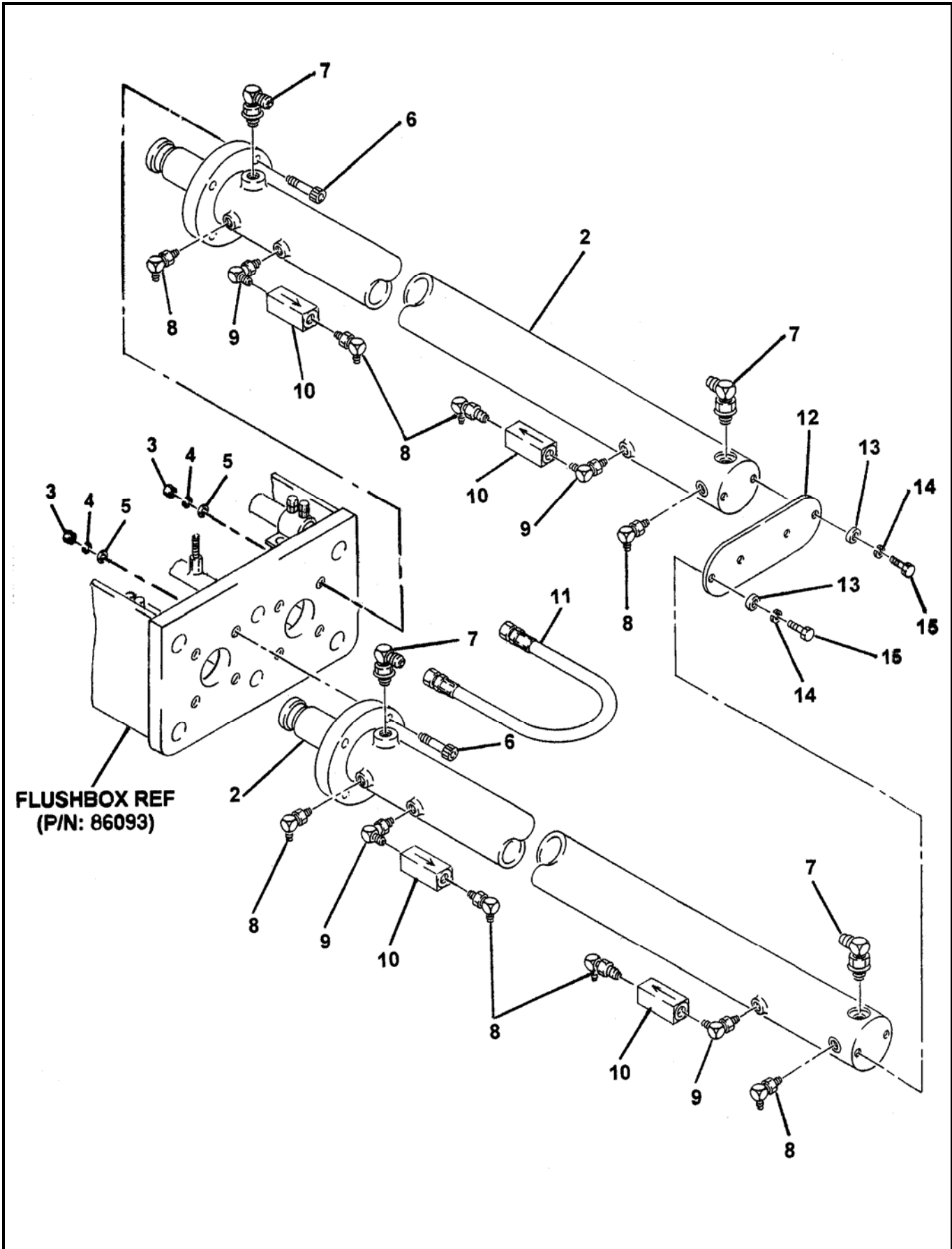
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



HYDRAULIC DRIVE CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 09
PAGE 01



REVISION:



HYDRAULIC DRIVE CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 09
PAGE 02

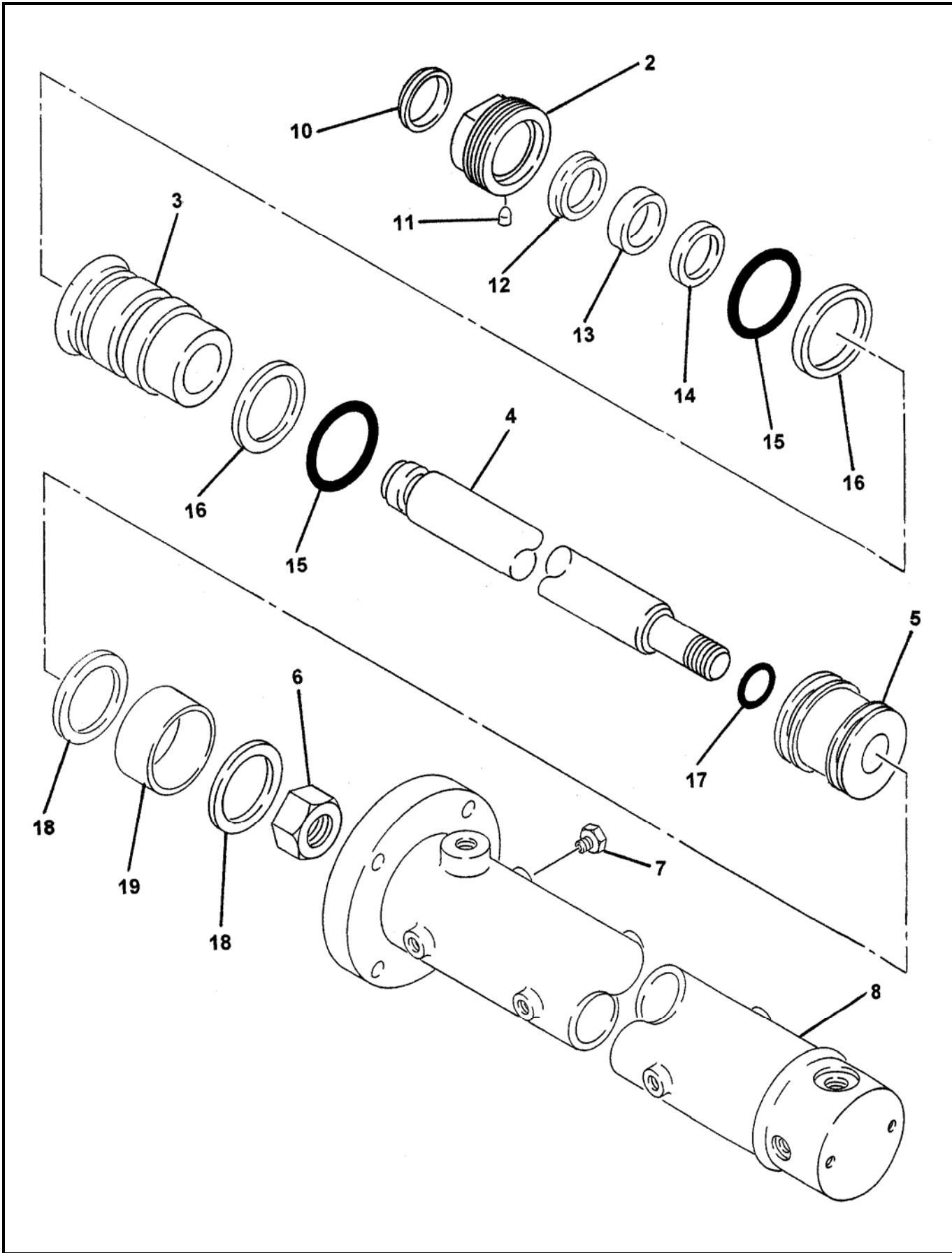
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86304	Assembly, Hydraulic Drive Cylinder (See Group 60, Figure 01 and Figure 02 for NHA)	Ref
2	86223	• Assembly, Drive Cylinder (See Group 60, Figure 10 for DET)	1
3		• Nut, Hex (attaching parts)	8
4		• Washer, Lock (attaching parts)	8
5	77396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

REVISION:



DRIVE CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 10
PAGE 01



REVISION:



DRIVE CYLINDER ASSEMBLY

B50
PARTS
GROUP 60
FIGURE 10
PAGE 02

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

REVISION:



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

B50
PARTS
GROUP 60
FIGURE 11
PAGE 01

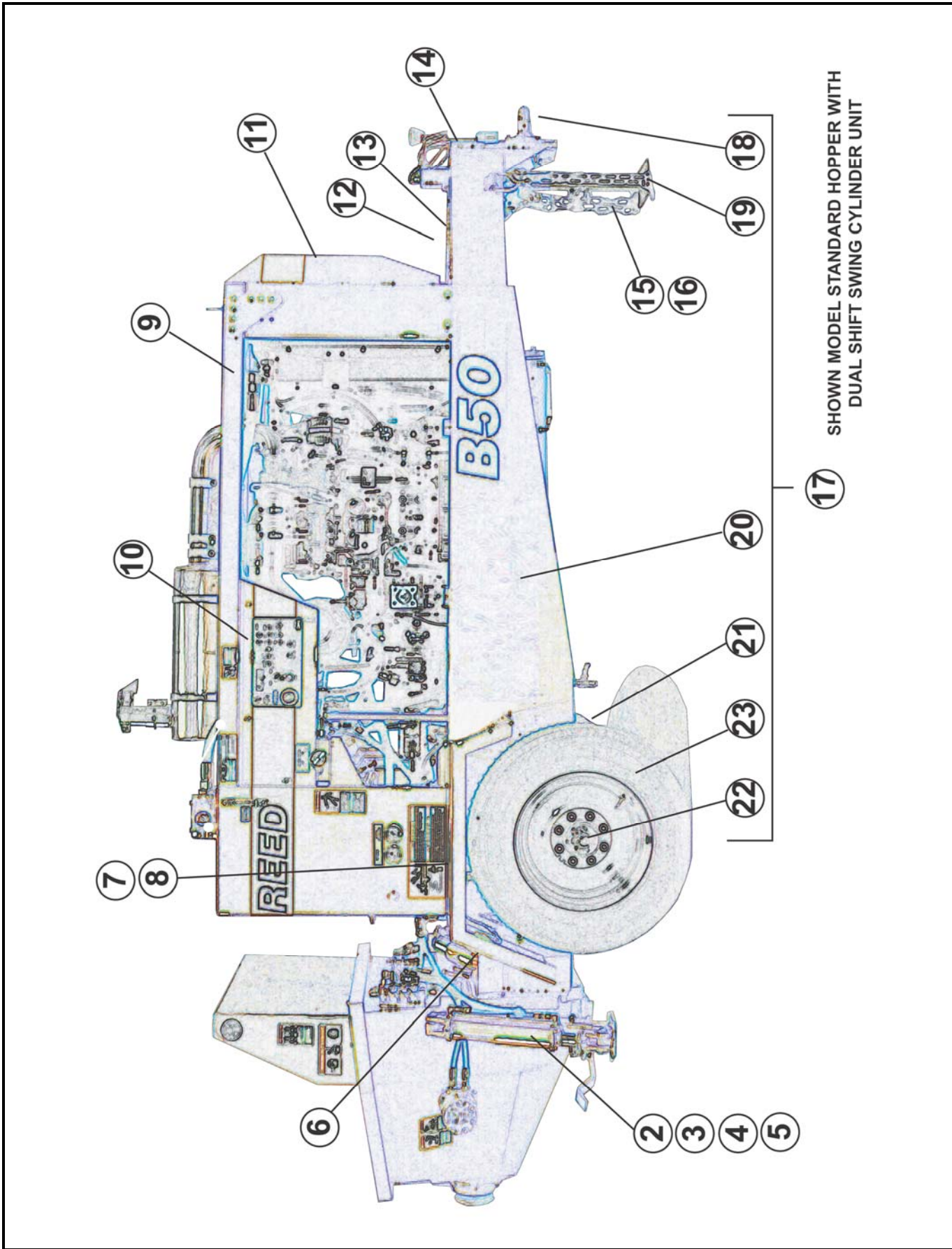
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REED TRAILER MOUNTED CONCRETE PUMP 06 MODEL B50 ILLUSTRATED PARTS MANUAL GROUP 70 FRAME INSTALLATION CONTAINS THE FOLLOWING FIGURES:

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



FRAME INSTALLATION



SHOWN MODEL STANDARD HOPPER WITH
DUAL SHIFT SWING CYLINDER UNIT



FRAME INSTALLATION

B50
PARTS
GROUP 70
FIGURE 01
PAGE 02

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

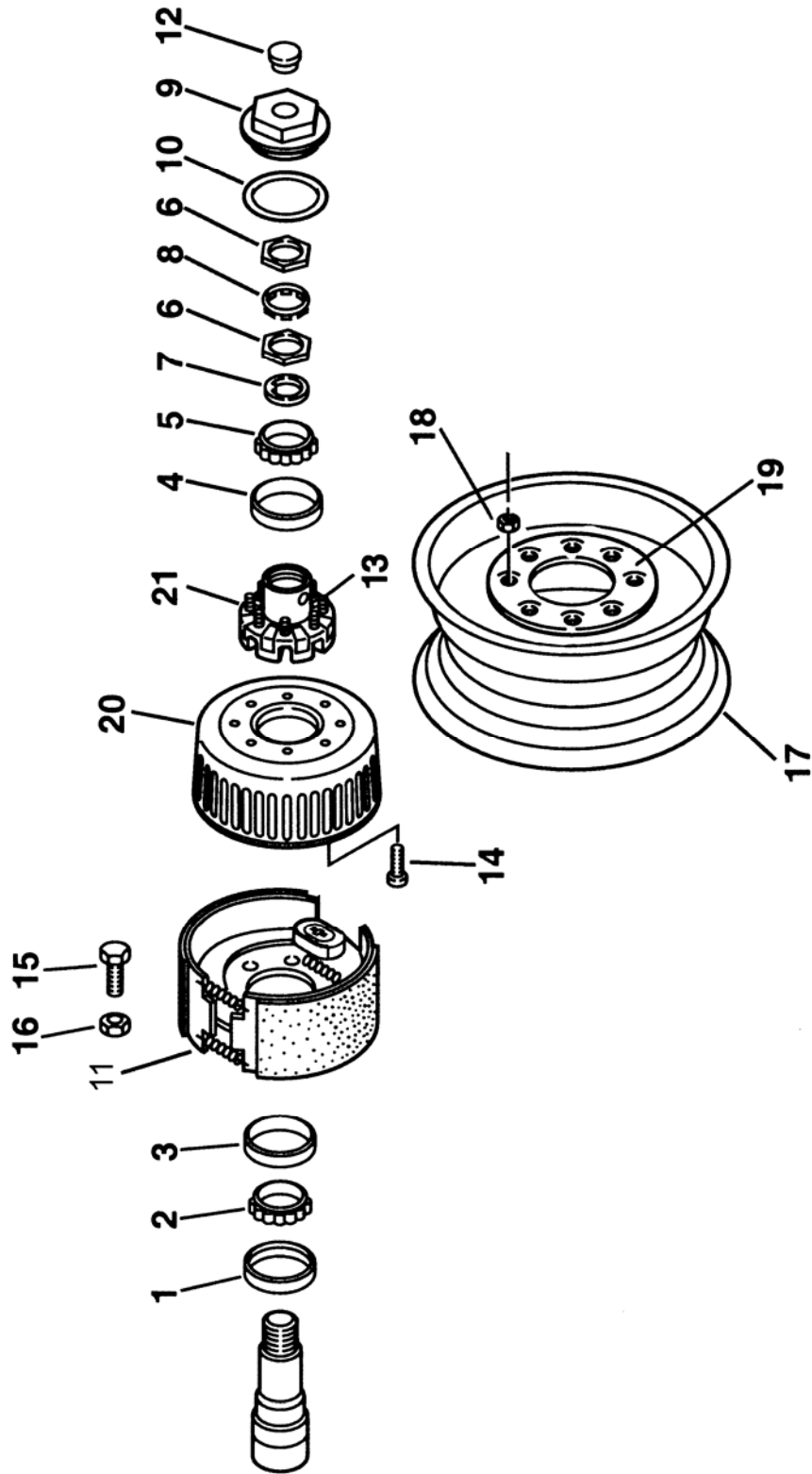
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



HUB AND BRAKE ASSEMBLY

B50
PARTS
GROUP 70
FIGURE 02
PAGE 01



REVISION:



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	
-1A	70-02	Assembly, Hub and Brake (Left and Right Side) (See Group 70, Figure 01 for NHA)	Ref
1		• Seal, Oil	1
2		• Cone, Inner Bearing	1
3		• Cup, Inner Bearing	1
4		• Cup, Outer Bearing	1
5		• Cone, Outer Bearing	1
6		• Nut, Spindle	2
7		• Washer, Spindle	1
8		• Washer, Tang	1
9*		• Cap, Oil	1
10*		• "O"-Ring	1
11		• LH/RH Electric Brake Set -12 1/4" x 3 3/8"	Ref
12*		• Plug, Oil Cap	1
13		• Stud, Wheel 5/8"-18	8
14		• Screw, Drum Mounting	2
15		• Bolt, Brake Mounting	2
16		• Nut, Brake Mounting	2
17		• Wheel, Steel -17.5 x 6.75 (8 on 6.5 BC)	Ref
18		• Nut, Cone 5/8"-18 90°	8
19		• Ring, Clamp	1
20		• Drum, Brake	1
21		• Hub, Oil W/Cups and Studs	1
22	87023	• Oil Cap Kit-(* includes Items 9,10 & 12)	1

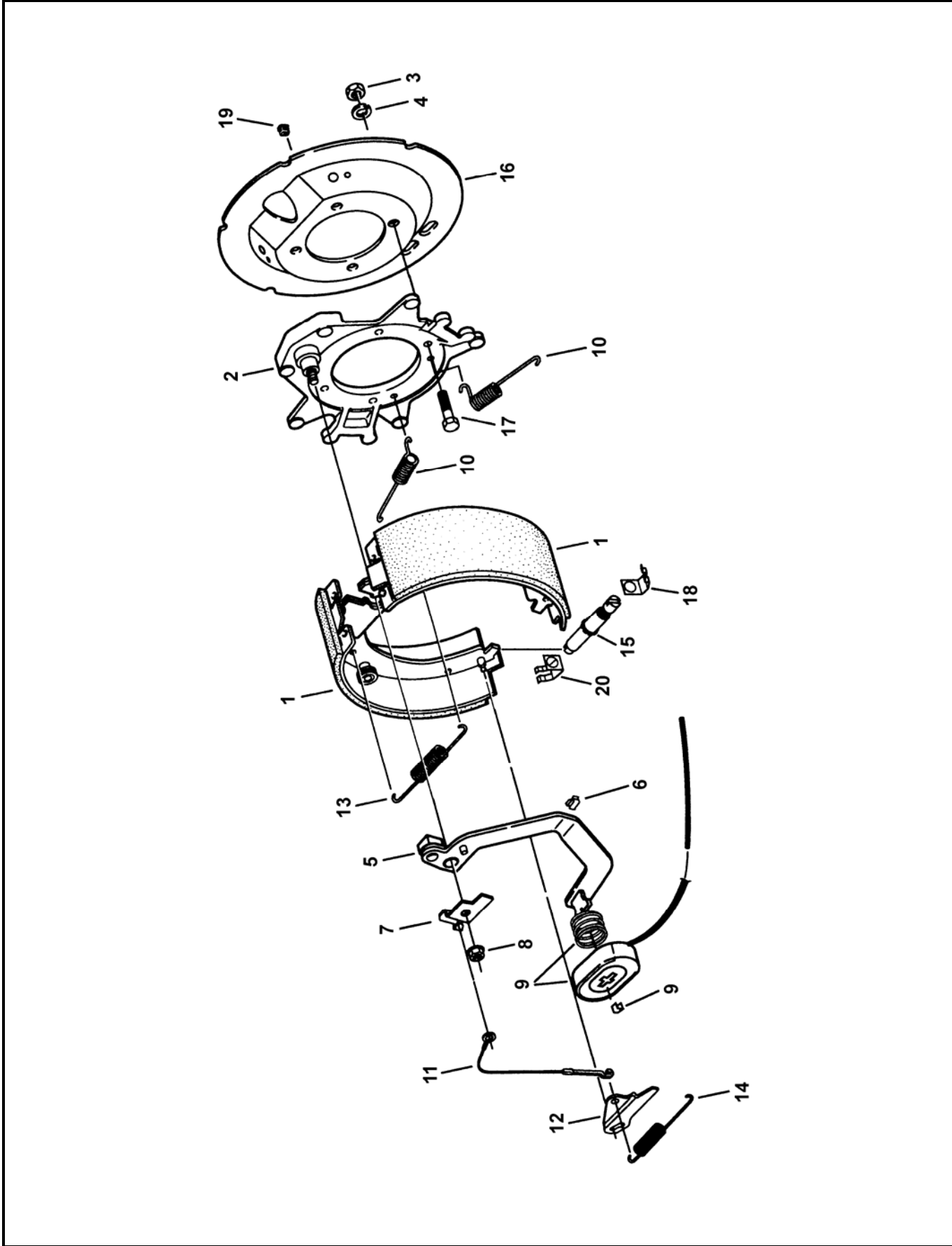
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



NON OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B50
PARTS
GROUP 70
FIGURE 03
PAGE 01



REVISION:



NON OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B50
PARTS
GROUP 70
FIGURE 03
PAGE 02

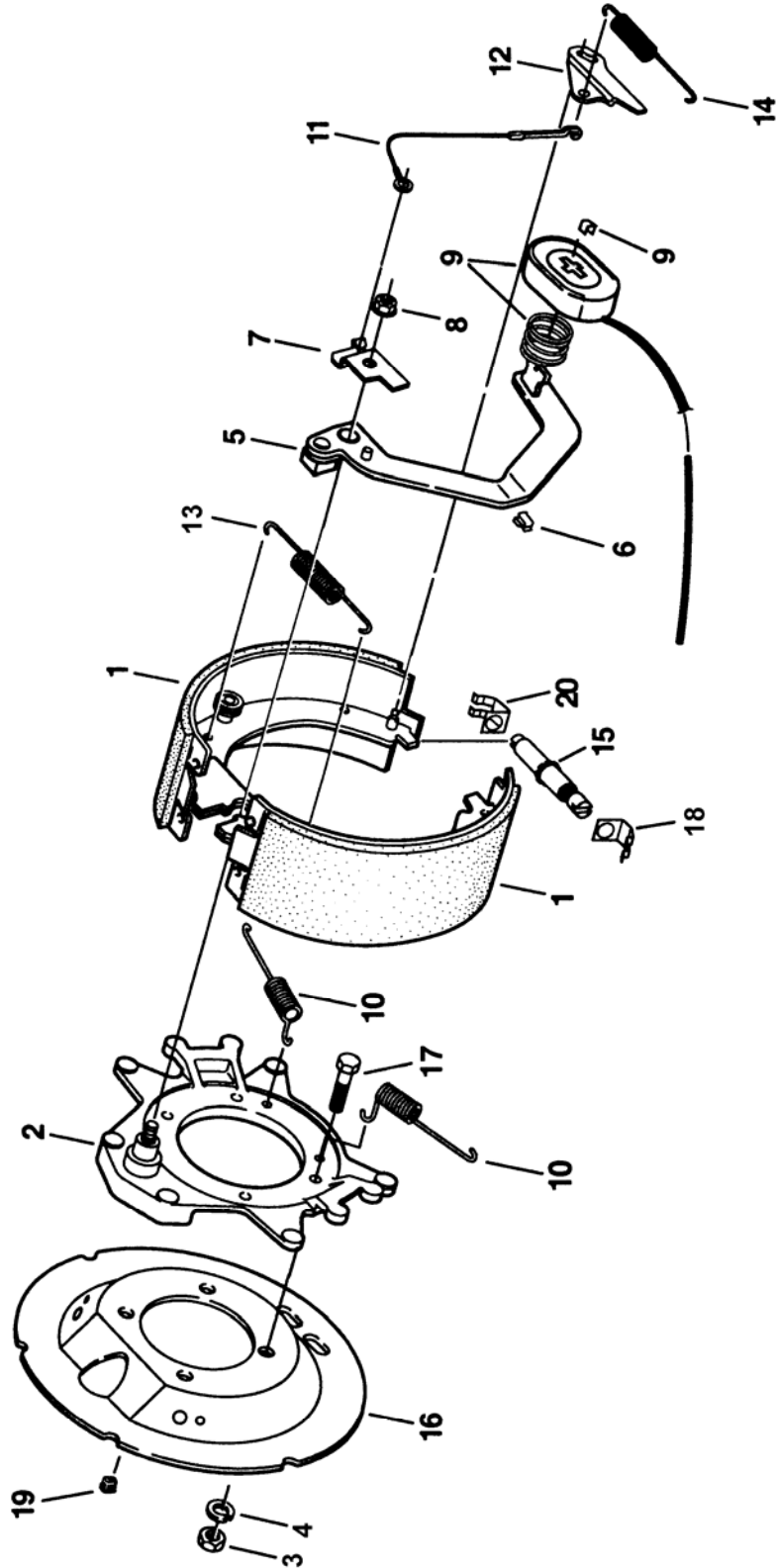
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1A	LH	Assembly, Non-Operator Side Electric Brake (Left Side) (See Group 70, Figure 02 for NHA)	Ref
1		• LH Shoe & Lining Kit	1
2		• Backing Plate Assembly	1
3		• Brake Mounting Nut	4
4		• Lockwasher	4
5		• LH Actuating Arm Assembly	1
6		• Wire Clip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

REVISION:



OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

B50
PARTS
GROUP 70
FIGURE 04
PAGE 01



REVISION:



OPERATOR SIDE ELECTRIC BRAKE ASSEMBLY

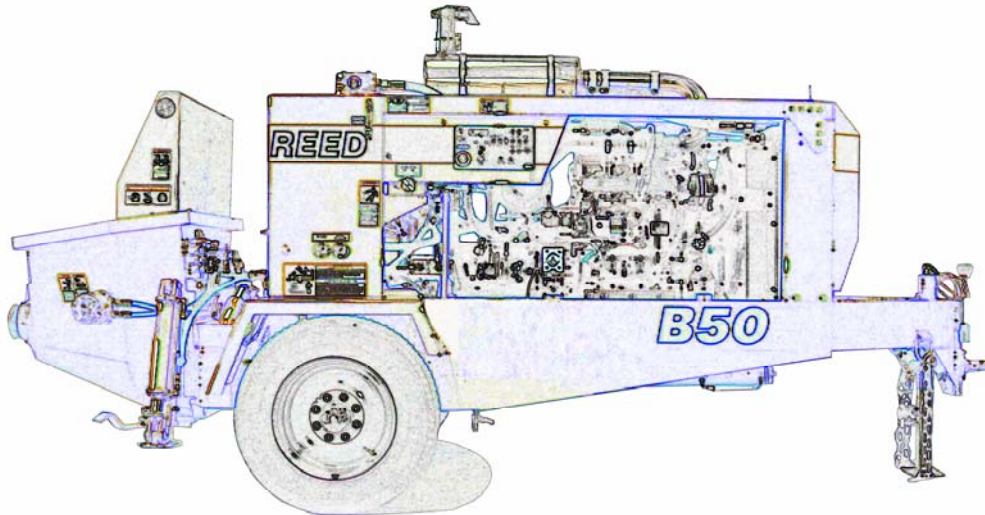
B50
PARTS
GROUP 70
FIGURE 04
PAGE 02

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

REVISION:

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

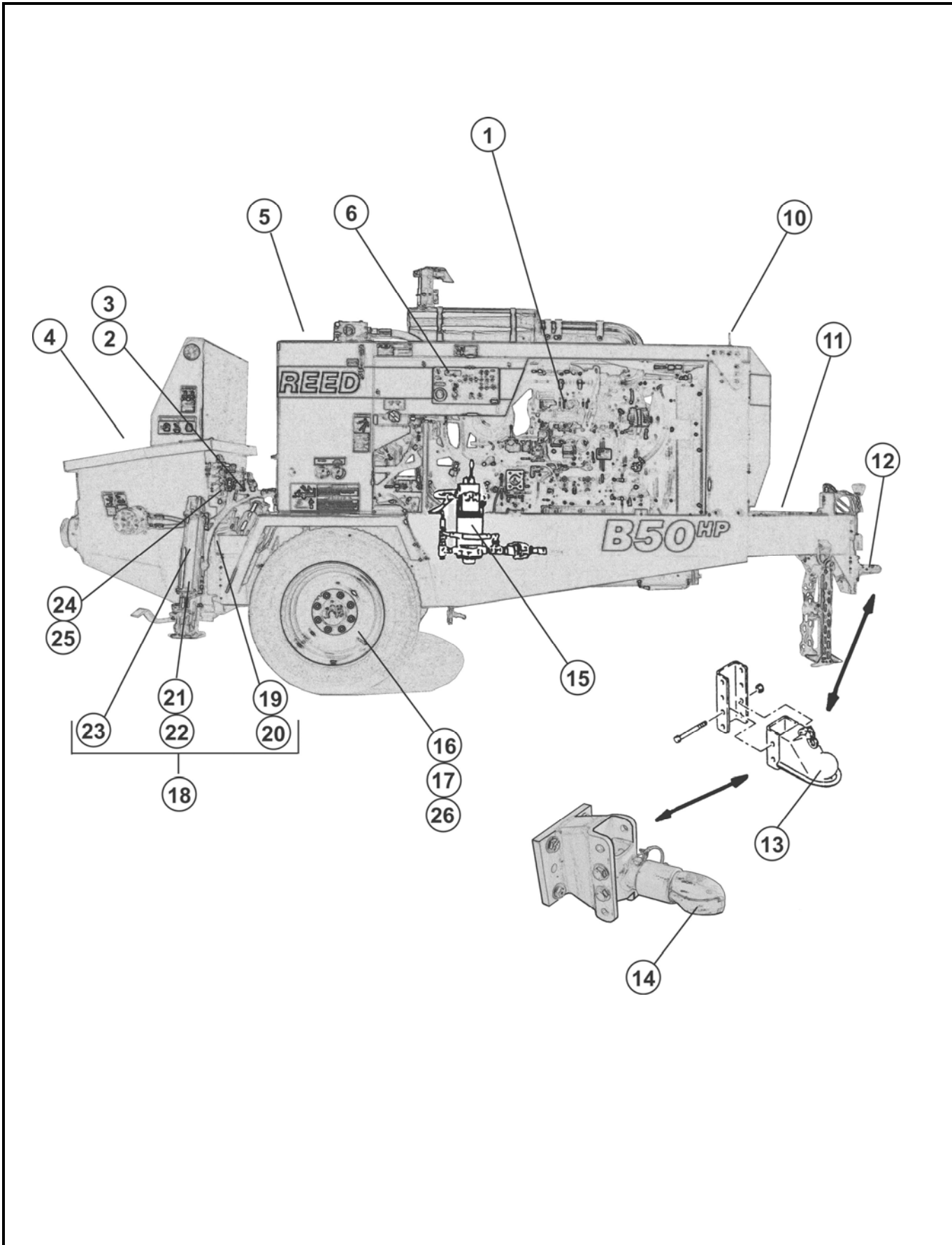


- FIGURE 00** TABLE OF CONTENTS
- FIGURE 01** OPTIONAL INSTALLATION
- FIGURE 02** CENTRALIZED LUBE BLOCK ASSEMBLY
- FIGURE 03** AUTOLUBE 12 VOLT LUBE PUMP ASSEMBLY
- FIGURE 04** 12 VOLT LUBE PUMP ASSEMBLY
- FIGURE 05** HOPPER VIBRATOR ASSEMBLY
- FIGURE 06** ACCUMULATOR CHARGE KIT
- FIGURE 07** OPTIONAL TOOL KIT ASSEMBLY
- FIGURE 08** SURGE BRAKES ASSEMBLY-PINTLE HITCH
- FIGURE 09** WATER PUMP INSTALLATION
- FIGURE 10** WATER PUMP CONTROL VALVE ASSEMBLY
- FIGURE 11** WATER PUMP MOTOR ASSEMBLY
- FIGURE 12** WATER PUMP ASSEMBLY
- FIGURE 13** NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 14** OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY
- FIGURE 15** HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY
- FIGURE 16** 1 SPOOL CONTROL VALVE ASSEMBLY
- FIGURE 17** 1 SPOOL CONTROL VALVE SUB-ASSEMBLY
- FIGURE 18** 2 SPOOL CONTROL VALVE ASSEMBLY
- FIGURE 19** 2 SPOOL CONTROL VALVE SUB-ASSEMBLY
- FIGURE 20** TIRE & WHEEL ASSEMBLY - ALUMINUM
- FIGURE 21** 50 FEET STROKE COUNTER REMOTE CONTROLLER



OPTIONAL INSTALLATION

B50
PARTS
GROUP 80
FIGURE 01
PAGE 01



REVISION:

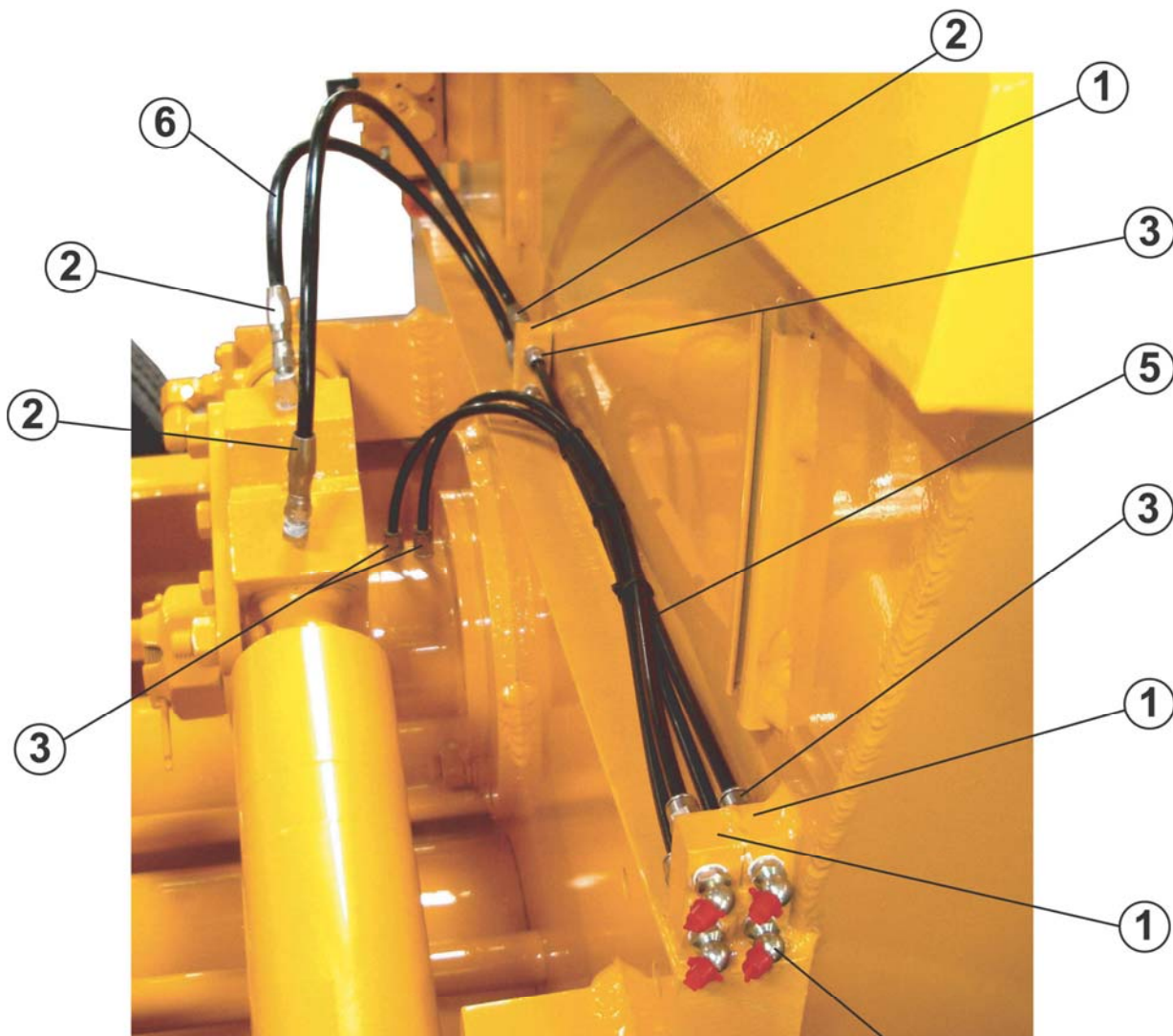


OPTIONAL INSTALLATION

B50
PARTS
 GROUP 80
 FIGURE 01
 PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION					QTY
		1	2	3	4	5	
-1	80-01	Installation, Optional (See Group 10, Figure 01, 02, 03 and 04 for NHA)					Ref
2	80-02	• Assembly, Centralized Lube (See Group 80, Figure 02 for DET)					1
3	80-03	• Assembly, AUTOLUBE 12 Volt Lube Pump (See Group 80, Figure 03 for DET)					1
4	80-05	• Assembly, Hopper Vibration (See Group 80, Figure 05 for DET)					1
-5	87859	• Assembly, Optional Lifting					1
-6	87346-2	• Assembly, Stroke Counter (Part of Control Box)					1
-7	(Special Order)	• Assembly, Side Security Doors					1
8	71460	• Kit, Accumulator Charge (See Group 80, Figure 06 for DET)					1
9	30-11	• Kit, Bladder Repair (See Group 30, Figure 11 for REF)					1
10	87348-1	• Assembly, Radio Remote Control (See Group 50, Figure 05 for REF)					1
11	79020	• Assembly, Optional Tool Kit (See Group 80, Figure 07 for DET)					1
12	80-08	• Assembly, Surge Brake-Pintle Hitch (See Group 80, Figure 08 for DET)					1
-13	87497	• Assembly, Surge Brake-2" Ball Coupler					1
-14	87482	• Assembly, Adjustable Ball Coupler 2 – 5/16"					1
15	86400	• Installation, Water Pump (See Group 80, Figure 09 for DET)					1
16	80-13	• Assembly, Non-Operator Side Hydraulic Brake (See Group 80, Figure 13 for DET)					1
17	80-14	• Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 14 for DET)					1
-18	86334	• Group, Hydraulic Outrigger					1
19	85685	• • Assembly, Tube					1
20	85686	• • Assembly, Tube					1
21	85659-010	• • Assembly, Hose (See Schematic Section, Figure 05 for REF)					4
-22	86728-008	• • Elbow, 90					4
-22A	800919	• • Decal, Warning-"Stand Clear of Outriggers"					2
-22B	801902-020	• • Tube Clamp					4
23	86574	• • Assembly, Hydraulic Outrigger Cylinder (See Group 80, Figure 15 for DET)					2
24	80-16	• Assembly, 1 Spool Valve (See Group 80, Figure 16 for DET)					1
25	80-18	• Assembly, 2 Spool Valve (See Group 80, Figure 18 for DET)					1
26	80-20	• Assembly, Tire & Wheel - Aluminum (See Group 80, Figure 20 for DET)					1
-27	80-21	• Assembly, 50 Feet Remote Control Stroke Counter (See Group 80, Figure 21 for DET)					1
-28	(Special Order)	• Assembly, 100 Feet Remote Control Stroke Counter (See Group 80, Figure 22 for DET)					1
DASH (-) ITEM NOT ILLUSTRATED							

REVISION:



LUBE POINTS ARE AS FOLLOWS:
BELL CRANK AND FLANGED BEARING ④



CENTRALIZED LUBE BLOCK ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 02
PAGE 02

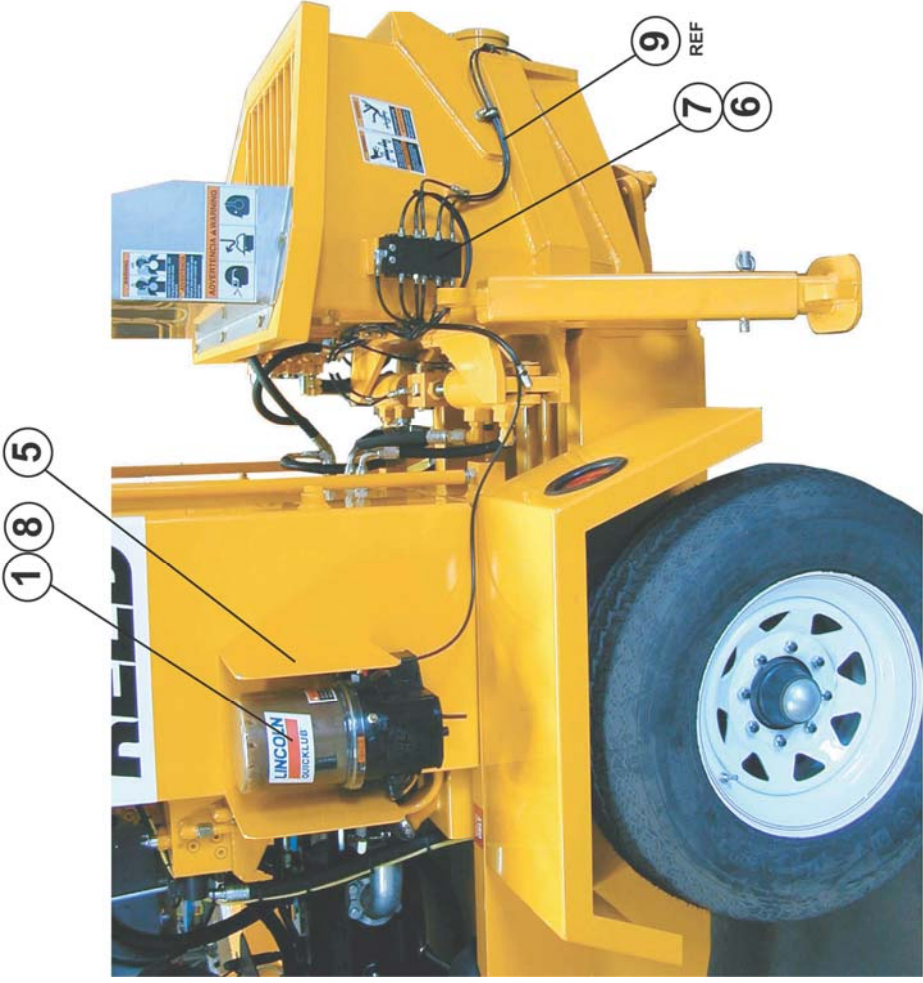
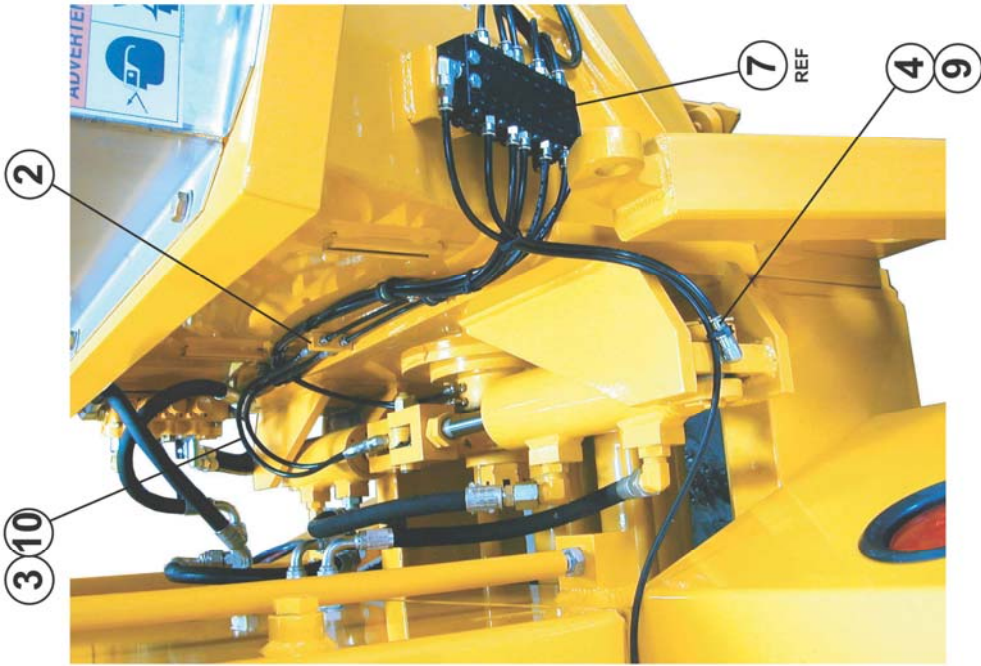
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	87539	Assembly, Centralized Lube Block (See Group 80, Figure 01 for NHA)	Ref
1	87437	• Block, Union-Lincoln Lube	3
2	87628	• Hose Coupling	4
3	87629	• Fitting, Hose	8
-4		• Fitting, Lube 45-1/8 NPT	4
-5		• Hose, Plastic-1/4" O.D. Tubing	A/R
-6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

REVISION:



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

B50
PARTS
GROUP 80
FIGURE 03
PAGE 01



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

REVISION:



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

B50
PARTS
GROUP 80
FIGURE 03
PAGE 02

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

REVISION:



**AUTOLUBE 12 VOLT LUBE ASSEMBLY
(STEEL TUBING)**

**B50
PARTS**
GROUP 80
FIGURE 03
PAGE 03



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

REVISION:



**AUTOLUBE 12 VOLT LUBE ASSEMBLY
(STEEL TUBING)**

B50
PARTS
GROUP 80
FIGURE 03
PAGE 04

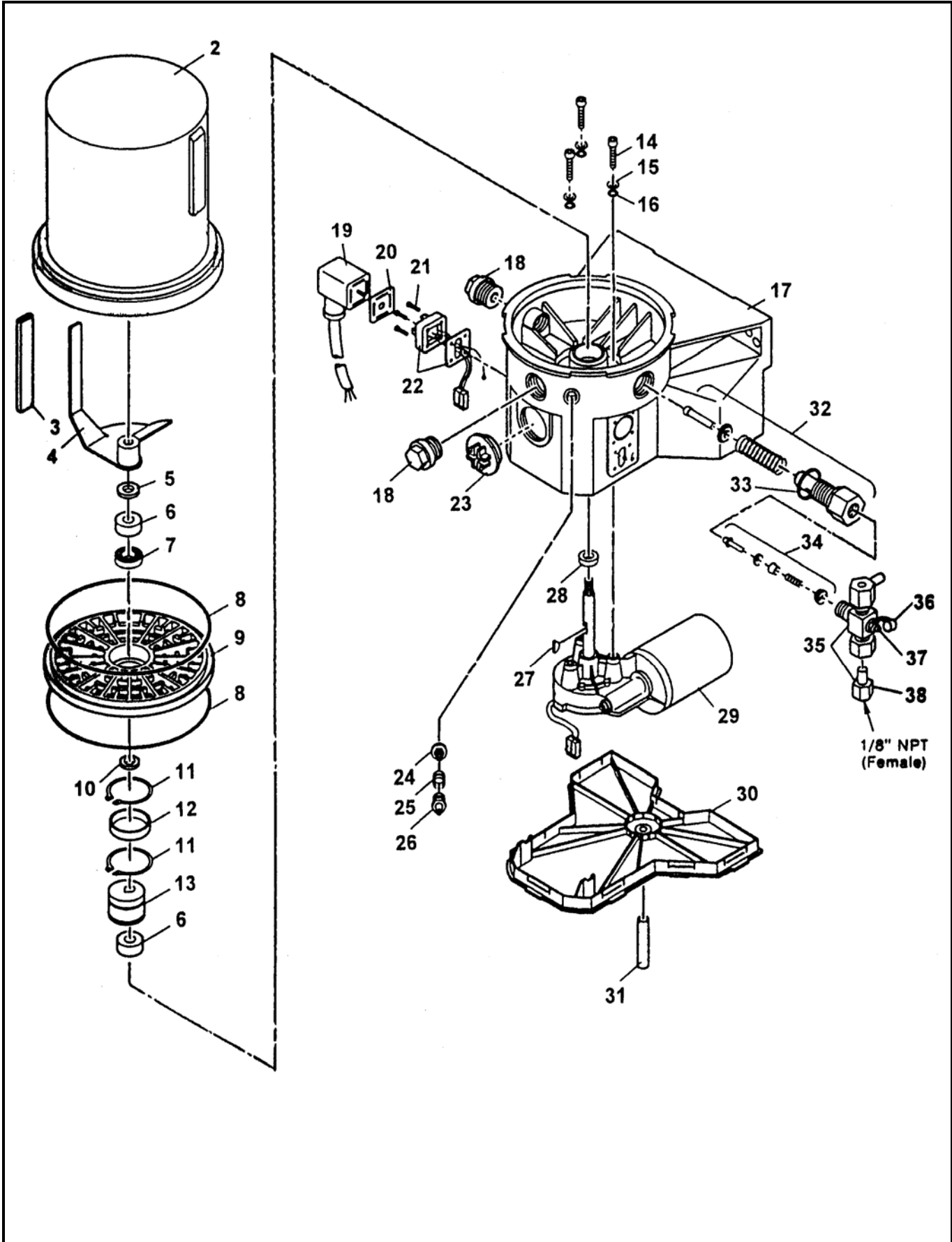
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	87485	Assembly, AUTOLUBE 12 Volt-Steel Tubing (See Group 80, Figure 01 for NHA)	Ref
1	87484	• Lube Pump Assy-12V (Steel Tubing)	1
2	87437	• Block, Union-Lincoln Lube	1
3	87628	• Hose Coupling	4
4	87629	• Fitting, Hose	2
5	87257	• Guard	1
6	87475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

REVISION:



12 VOLT LUBE PUMP ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 04
PAGE 01



REVISION:



12 VOLT LUBE PUMP ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 04
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

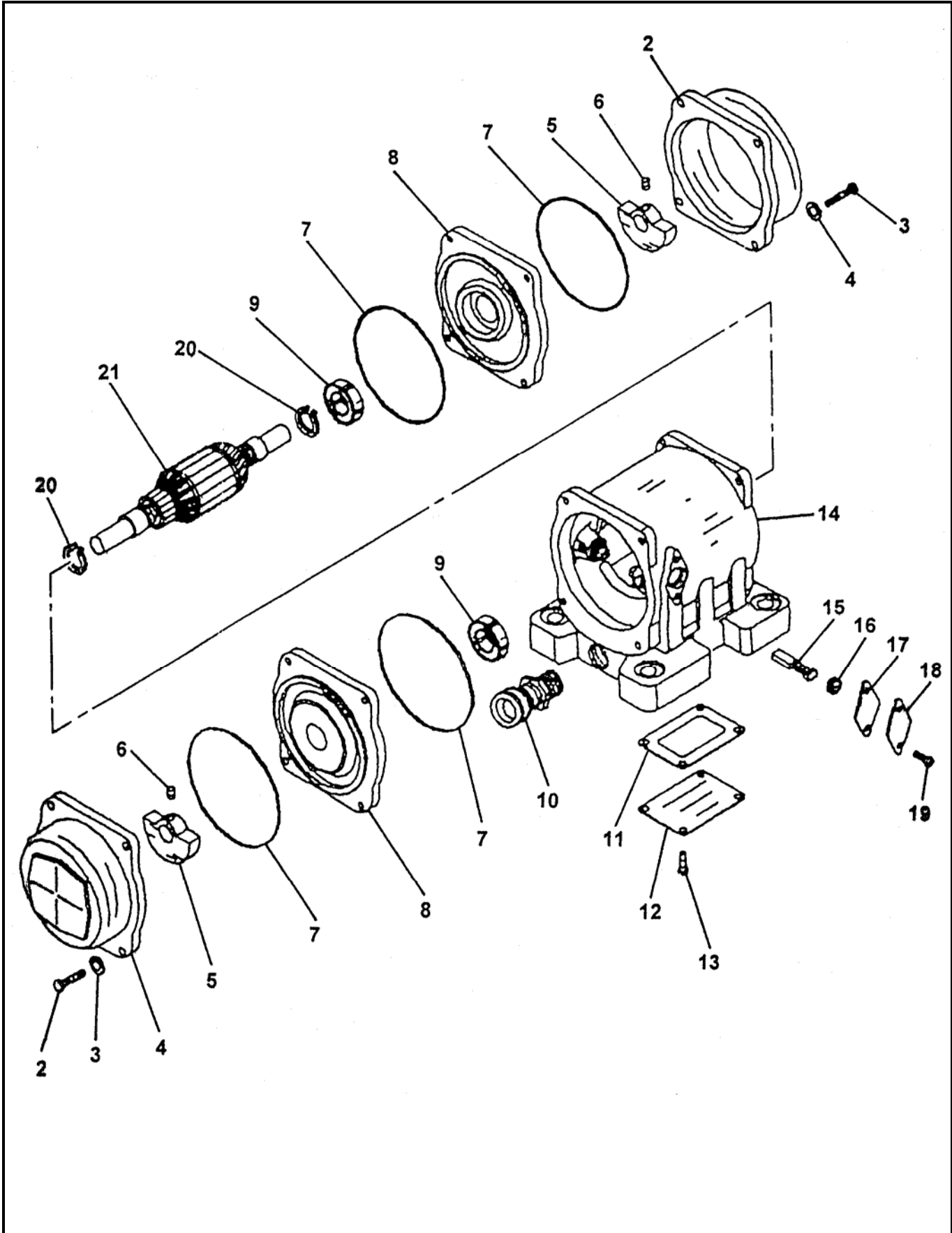
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



HOPPER VIBRATOR ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 05
PAGE 03



REVISION:



HOPPER VIBRATOR ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 05
PAGE 04

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

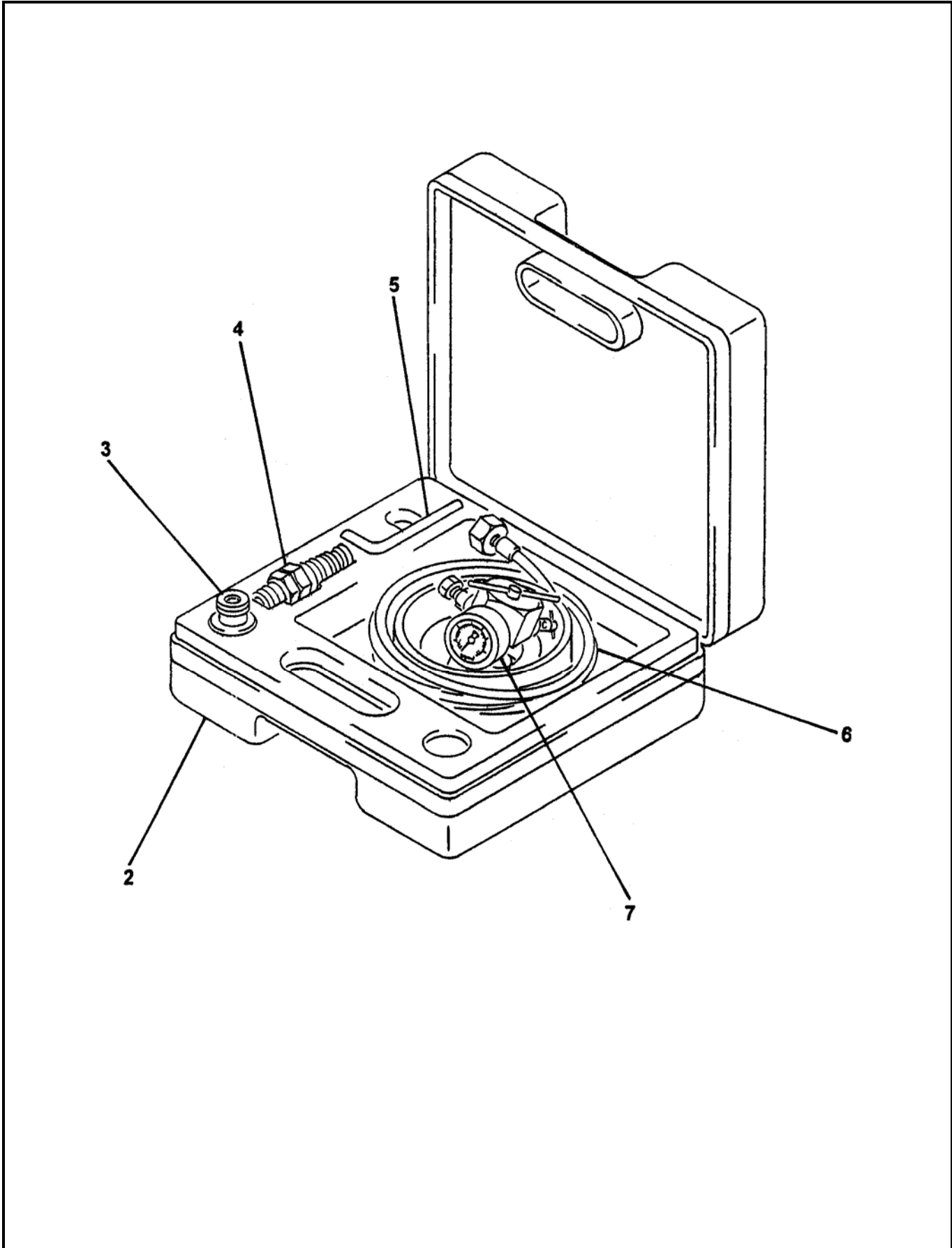
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



ACCUMULATOR CHARGE KIT

B50
PARTS
GROUP 80
FIGURE 06
PAGE 01



REVISION:



ACCUMULATOR CHARGE KIT

B50
PARTS
GROUP 80
FIGURE 06
PAGE 02

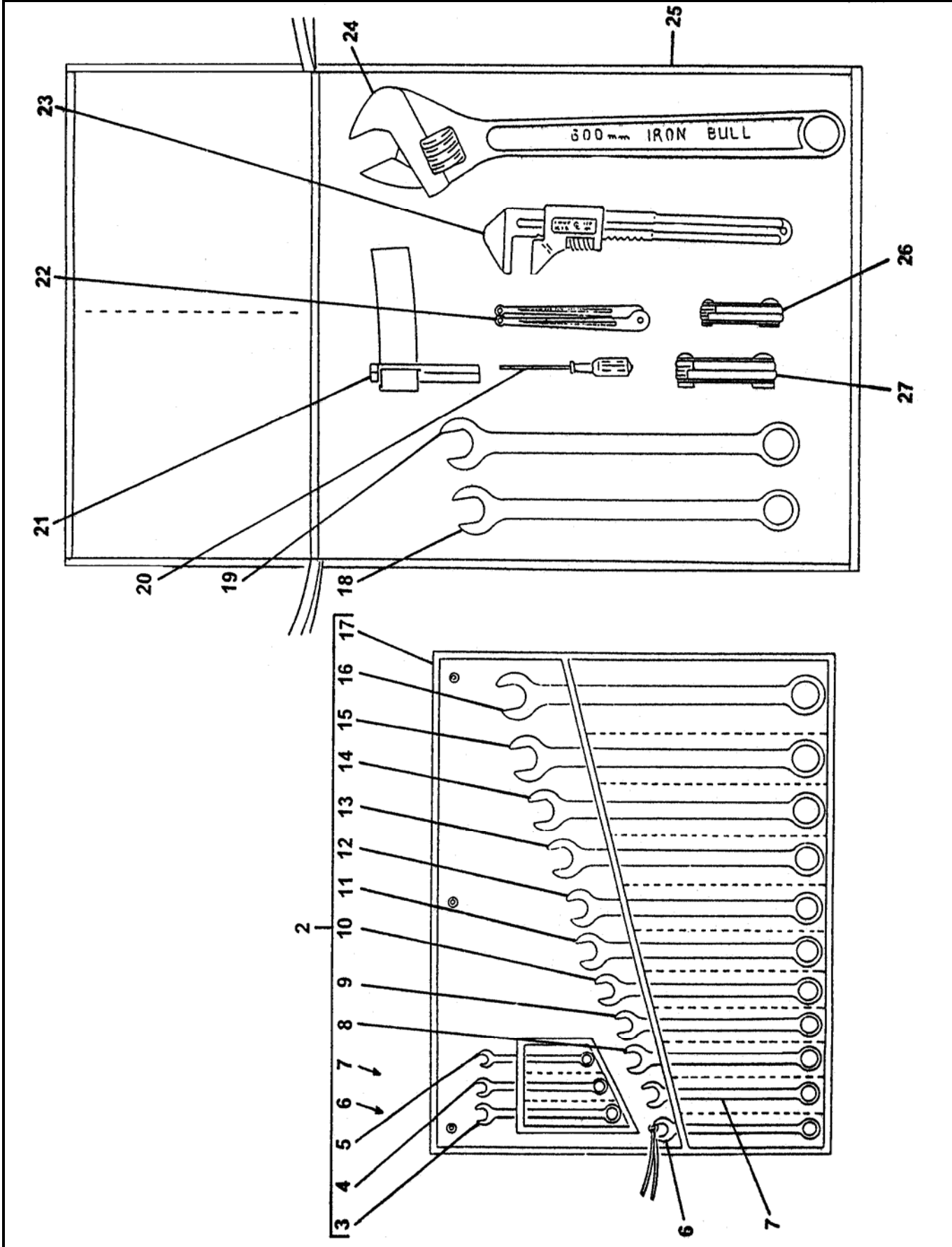
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	71460	Kit, Accumulator Charge (See Group 80, Figure 01 for NHA)	Ref
2		• Case, Charge Kit	1
3		• Adapter, FPK / SB	1
4		• Adapter, G4	1
5		• Wrench, Allen	1
6		• Hose, Charging	1
7		• Unit, FPK Charging and Gagging	1

DASH (-) ITEM NOT ILLUSTRATED



OPTIONAL TOOL KIT ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 07
PAGE 01



REVISION:



OPTIONAL TOOL KIT ASSEMBLY

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

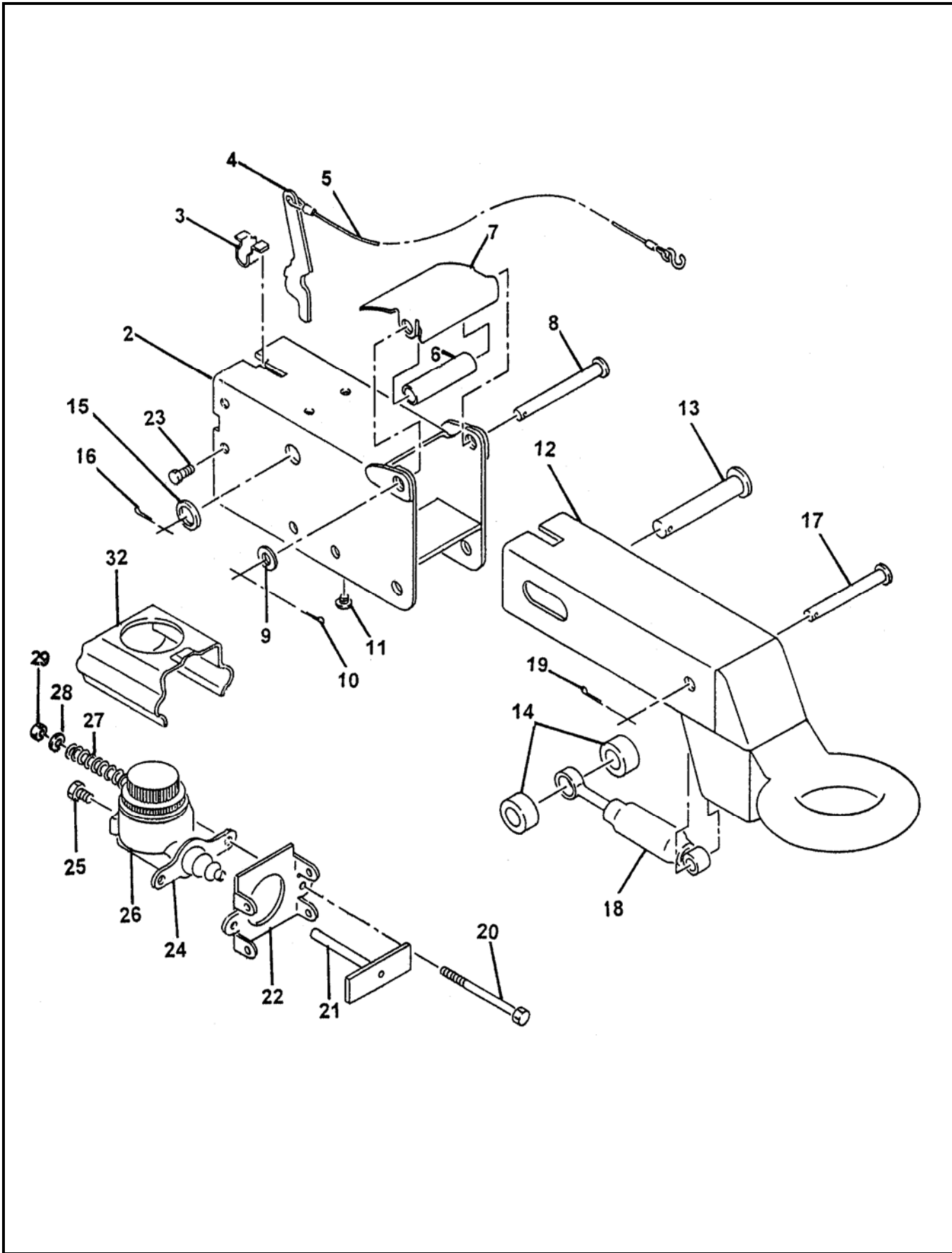
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



SURGE BRAKES ASSEMBLY WITH PINTLE HITCH-3" EYE

B50
PARTS
GROUP 80
FIGURE 08
PAGE 01



REVISION:



SURGE BRAKES ASSEMBLY WITH PINTLE HITCH-3" EYE

B50
PARTS
GROUP 80
FIGURE 08
PAGE 02

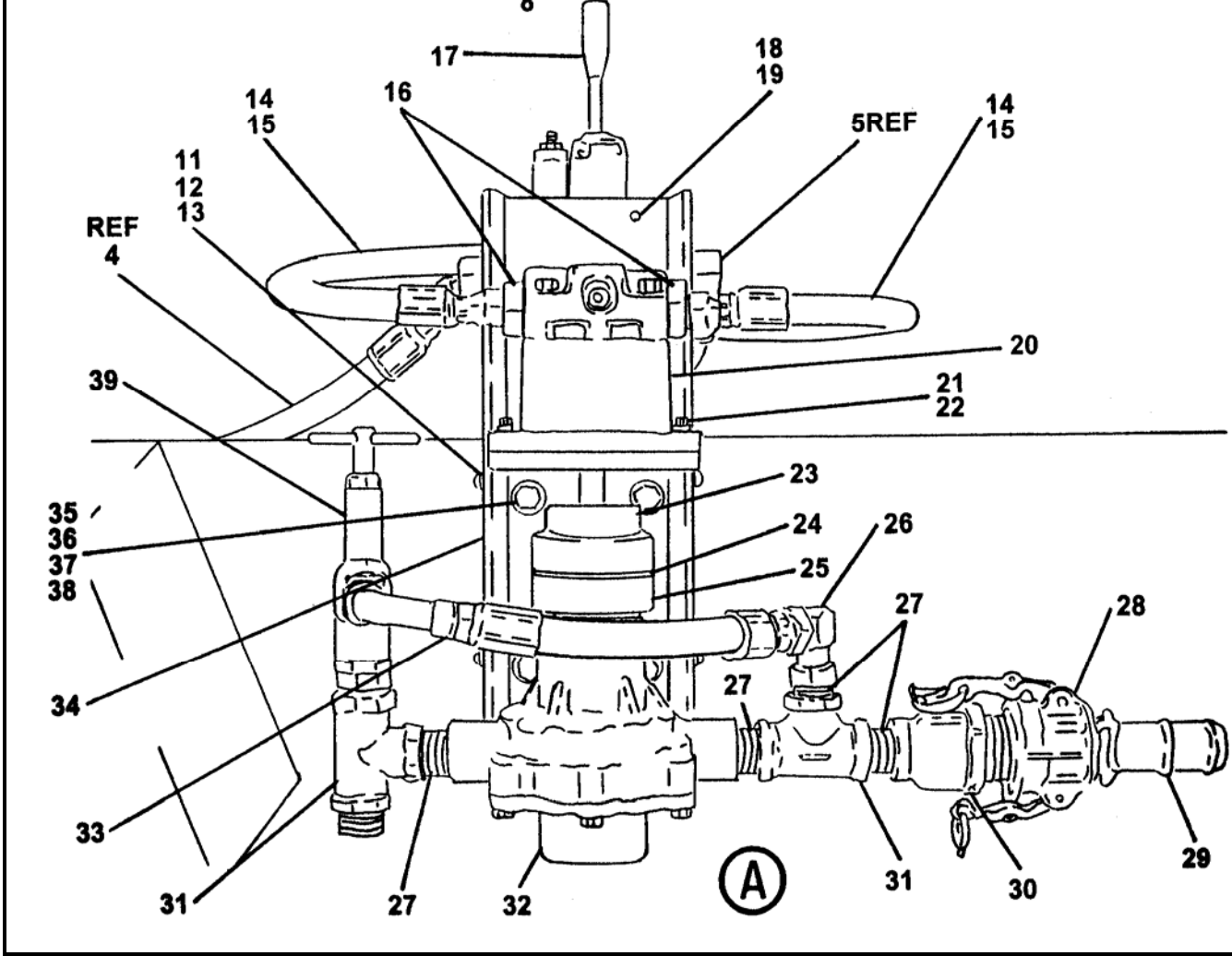
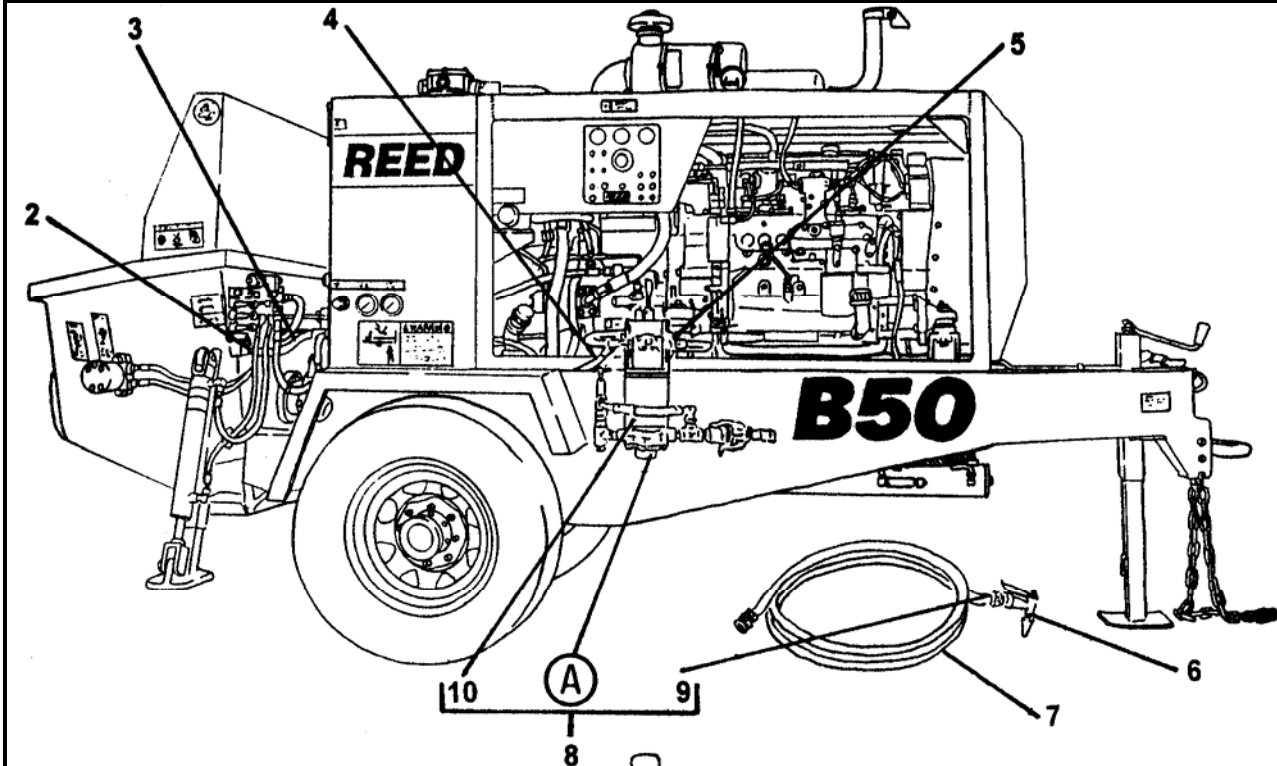
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	87602	Assembly, Surge Brakes-B20 Pintle Hitch (3" Eye) (See Group 80, Figure 01 for NHA)	Ref
2		• Case, Outer	1
3		• Spring, Breakaway	1
4		• Lever, Breakaway Pin	1
5		•• S-Hook	1
6		• Roller, Front	1
7		• Cover, Front Roller	1
8		• Pin, Front Roller	1
9		• Washer, Front Roller Pin	1
10		• Pin, Cotter	1
11		• Bearing	2
12		• Lunette Eye, Inner Side	1
13		• Pin, Master	1
14		• Roller, Rear	2
15		• Washer, Master Pin	1
16		• Pin, Cotter	1
17		• Pin, Damper	1
18		• Damper	1
19		• Pin, Cotter	1
20		• Bolt, Hex	2
21		• Rod, Push	1
22		• Plate, Cylinder Mounting	1
23		• Bolt, Self Topping	4
24		• Cylinder, Master	1
25		• Connector, Orifice	1
26		• Cap, Master Cylinder with Gasket	1
27		• Spring	2
28		• Washer	2
29		• Nut, hex	2
-30	86915	• Actuator, Surge Brake-6000 LBS	1
-31	71051	• Eye-Lunette 3"	1
-32	71052	• Hydraulic Brake Kit-12" X 2"	1
-33	71030	• Torsion Spring-Brake Kit	1
-34	87601	• Bracket, Surge Brake Actuator Mounting	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



WATER PUMP INSTALLATION

B50
PARTS
GROUP 80
FIGURE 09
PAGE 01



REVISION:



WATER PUMP INSTALLATION

B50
PARTS
GROUP 80
FIGURE 09
PAGE 02

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

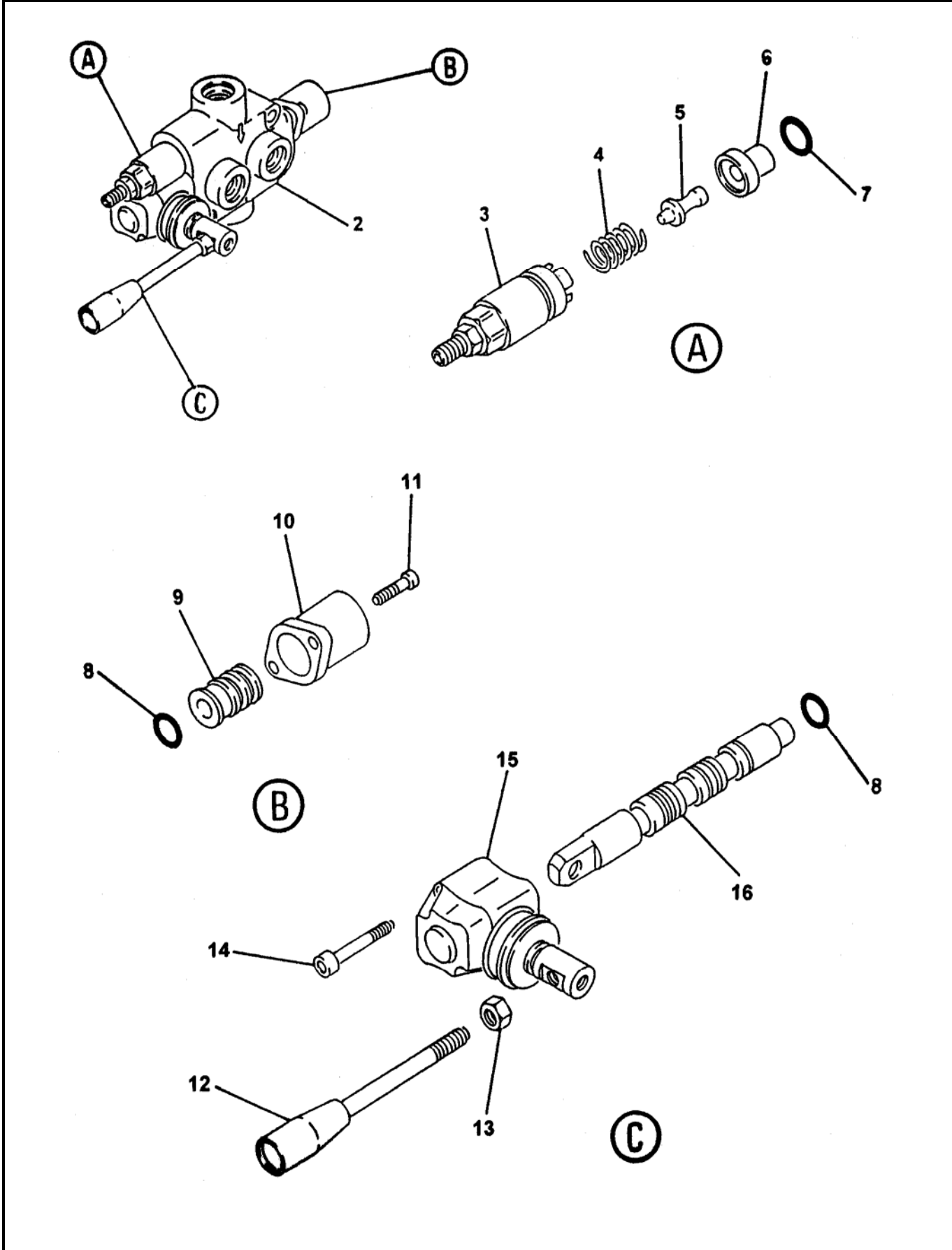
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



WATER PUMP CONTROL VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 10
PAGE 01



REVISION:



WATER PUMP CONTROL VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 10
PAGE 02

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

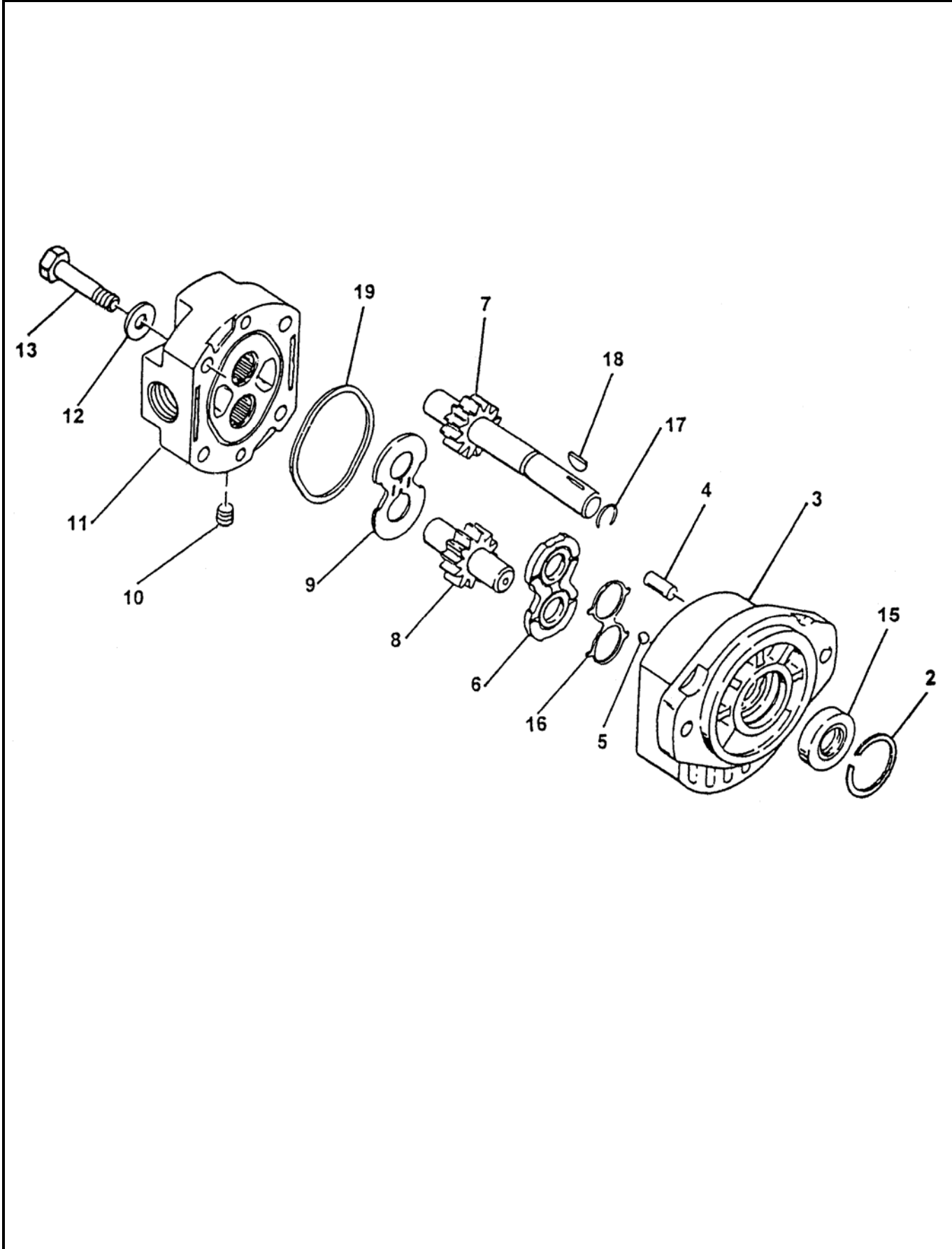
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



WATER PUMP MOTOR ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 11
PAGE 01



REVISION:



WATER PUMP MOTOR ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 11
PAGE 02

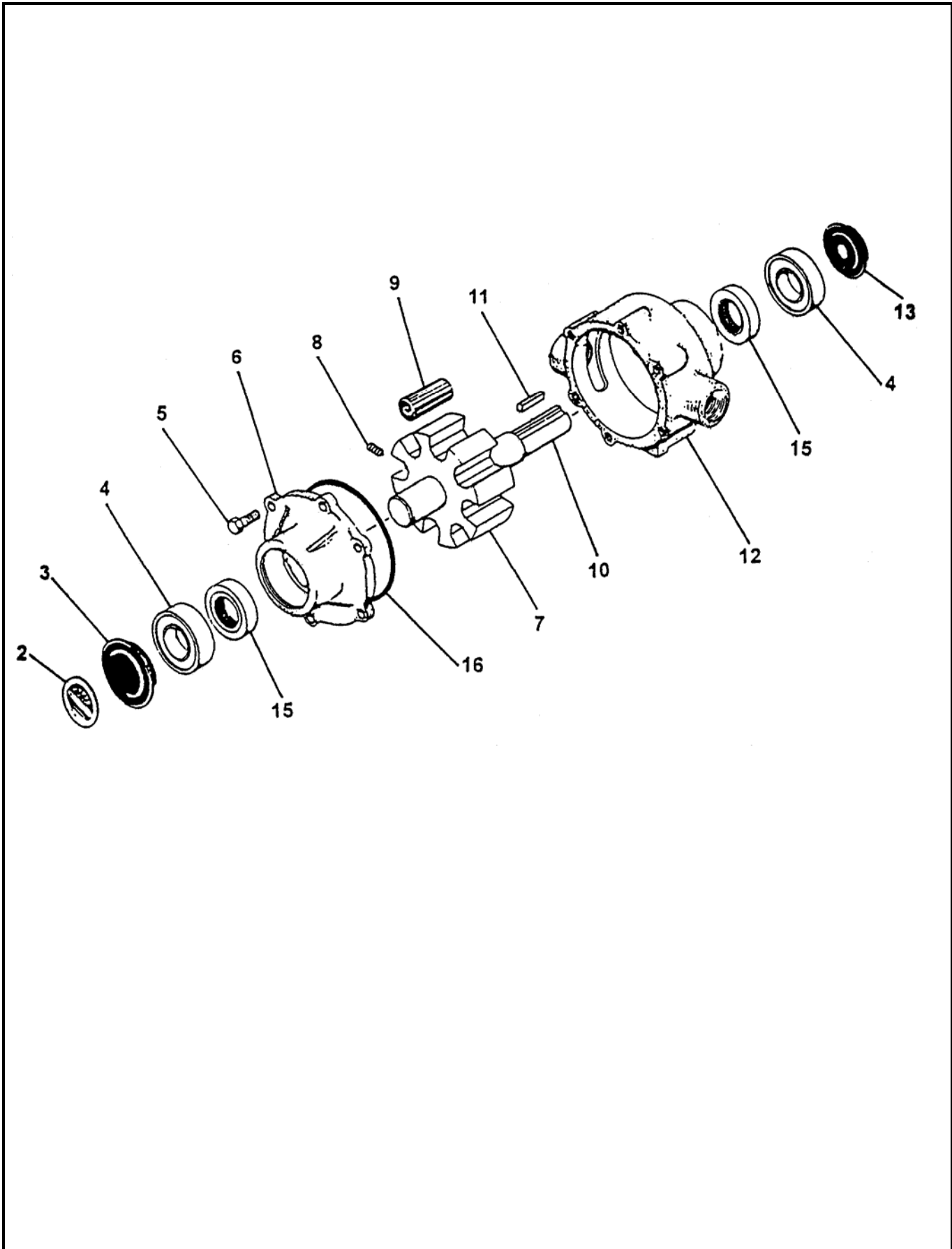
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	78152	Assembly, Wash Pump Motor (See Group 80, Figure 09 for NHA)	Ref
2		• Retainer	1
3		• Assembly, Body	1
4		• Pin, Dowel	2
5		• Bearing, Ball	2
6		• Plate, Wear	1
7		• Gear, Driven Wear	1
8		• Gear, Driven	1
9		• Plate, Thrust	1
10		• Plug,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



WATER PUMP ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 12
PAGE 01



REVISION:



WATER PUMP ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 12
PAGE 02

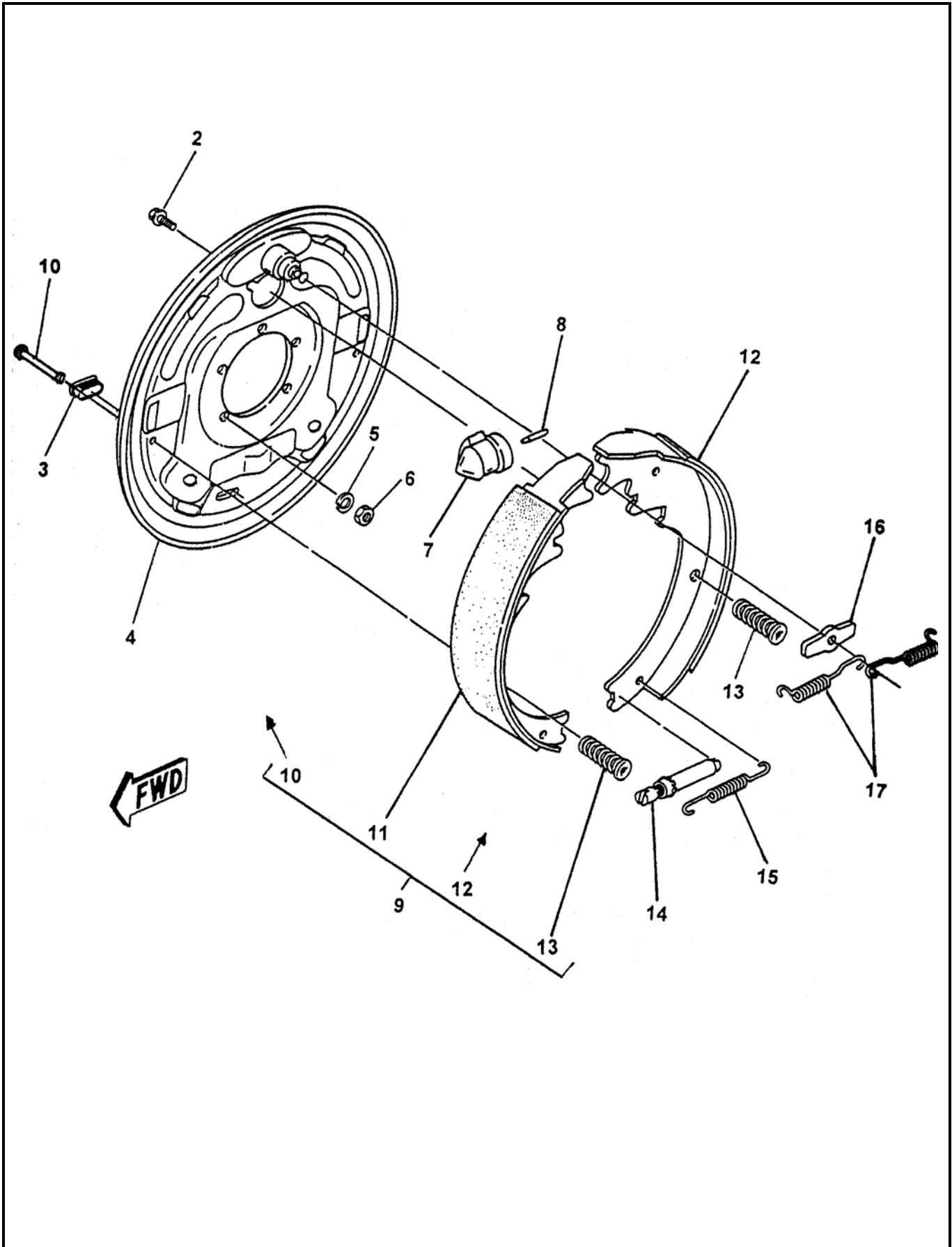
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	78157	Assembly, Wash Water Pump (See Group 80, Figure 09 for NHA)	Ref
2		• Plate, Name	1
3		• Cover, Bearing Rear	1
4		• Bearing, Sealed Bowl	2
5		• Endplate, (Ni-Resist) with Seal	1
6		• Bolt, Hex (attaching parts)	6
7		• Rotor, (Ni-Resist) with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

DASH (-) ITEM NOT ILLUSTRATED



NON-OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 13
PAGE 01



REVISION:



NON-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	80-12	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

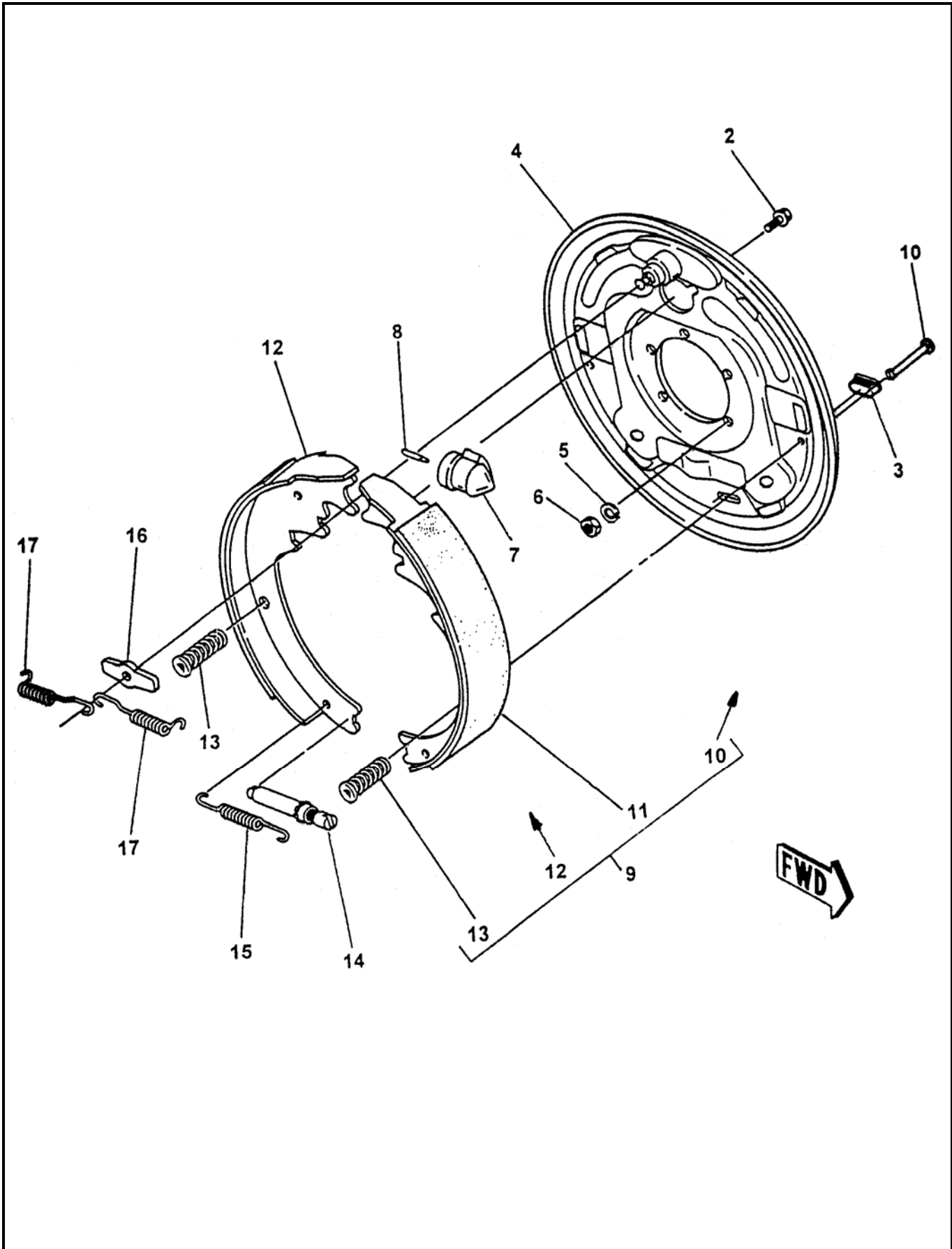
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



OPERATOR SIDE HYDRAULIC BRAKE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 14
PAGE 01



REVISION:



**OPERATOR SIDE
HYDRAULIC BRAKE ASSEMBLY**

**B50
PARTS**
GROUP 80
FIGURE 14
PAGE 02

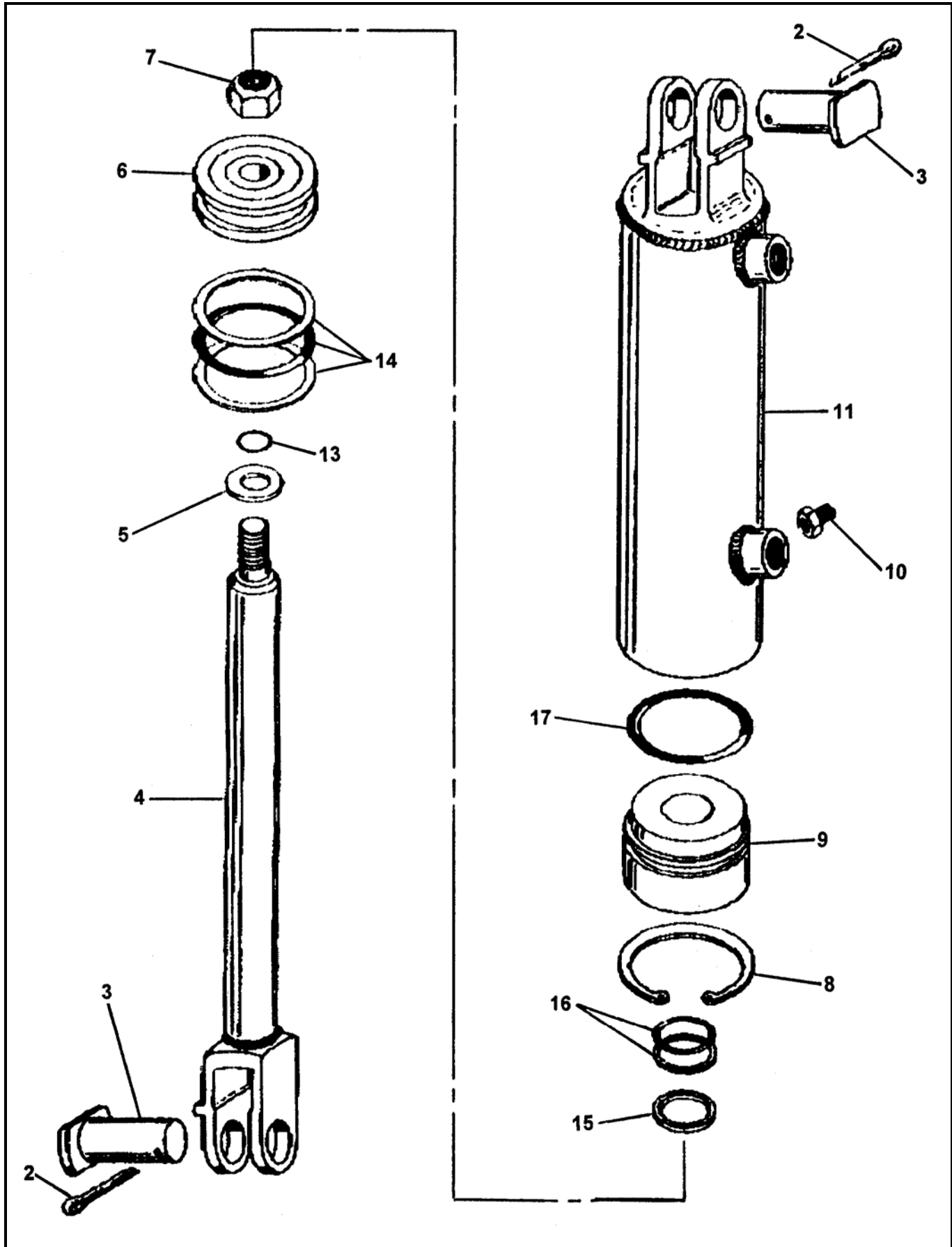
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-13	Assembly, Operator Side Hydraulic Brake (See Group 80, Figure 01 for NHA)	Ref
2		• Screw, with Washer	1
3		• Plug	2
4		• Plate, Backing	1
5		• Washer, Lock (attaching parts)	5
6		• Nut, Brake Mounting (attaching parts)	5
7		• Cylinder, Operator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



HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 15
PAGE 01



REVISION:



HYDRAULIC OUTRIGGER CYLINDER ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 15
PAGE 02

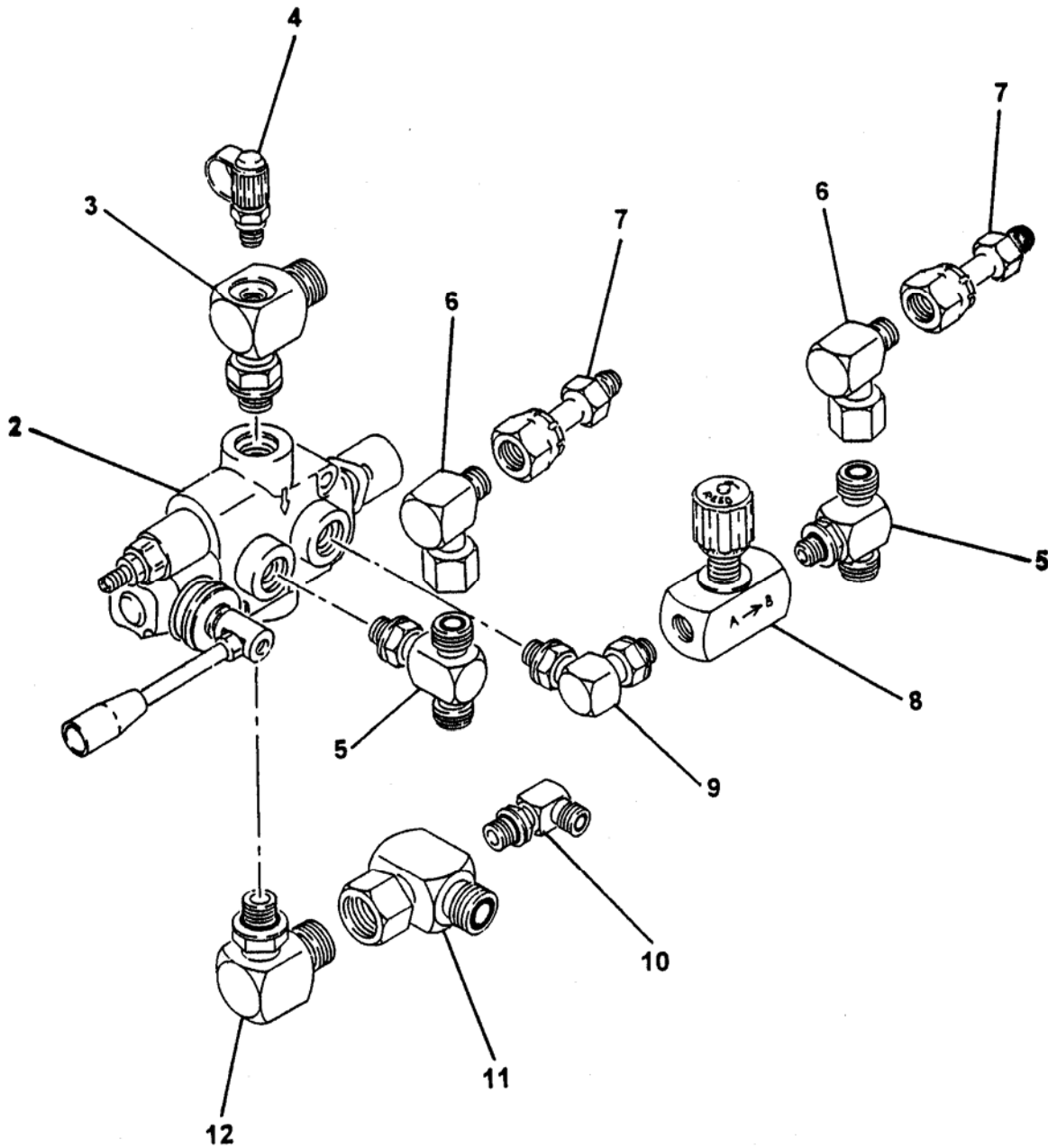
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	86574	Assembly, Hydraulic Outrigger Cylinder (See Group 80, Figure 01 for NHA)	Ref
2		• Pin, Safety	2
3		• Pin, Clevis	2
4		• Assembly, Shaft	1
5		• Washer, Steel	1
6		• Piston	1
7		• Nut, Piston Lock	1
8		• Ring, Head Lock	1
9		• Head	1
10		• Screw, Head Set	1
11		• Assembly, Tube	1
-12	86574-SK	• Kit, Seal	1
13		•• O-Ring, Small	1
14		•• Sub-Assembly, Piston O-Ring	1
15		•• Wiper, Rod	1
16		•• Packing, Shaft (Pair)	1
17		•• O-Ring, Head	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



1 SPOOL CONTROL VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 16
PAGE 01



REVISION:



1 SPOOL CONTROL VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 16
PAGE 02

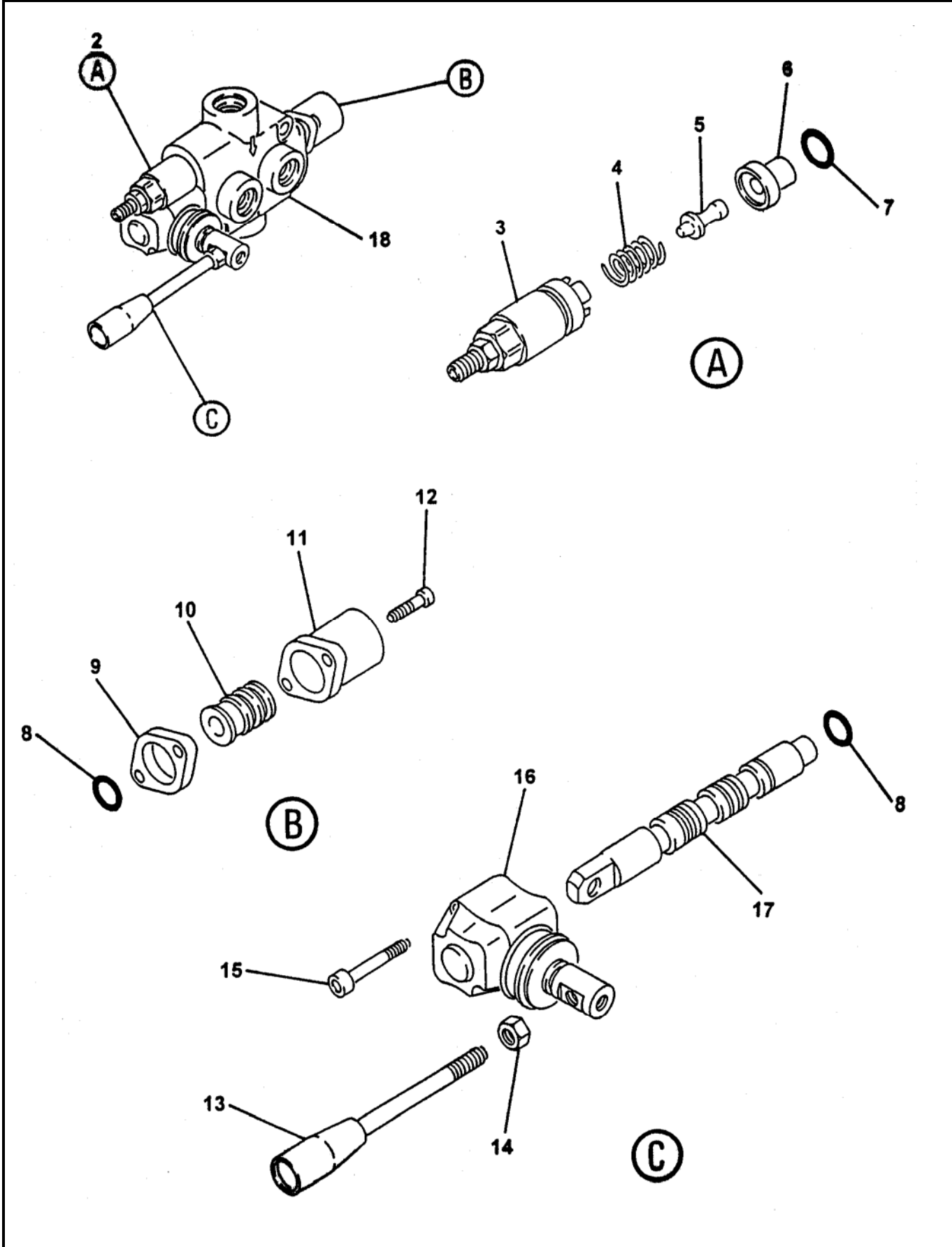
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-16	Assembly, 1 Spool Control Valve (See Group 80, Figure 01 for NHA)	Ref
2	74584	• Sub-Assembly, 1 Spool Control Valve (See Group 80, Figure 17 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Tee	2
6		• Fitting, 90	2
7		• Fitting, Connector	2
8		• Controller, Check	1
9		• Fitting, 90	1
10		• Fitting, 90	1
11		• Tee, Special Drill	1
12		• Fitting, 90	1

DASH (-) ITEM NOT ILLUSTRATED



1 SPOOL CONTROL VALVE SUB-ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 17
PAGE 01



REVISION:



1 SPOOL CONTROL VALVE SUB-ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 17
PAGE 02

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

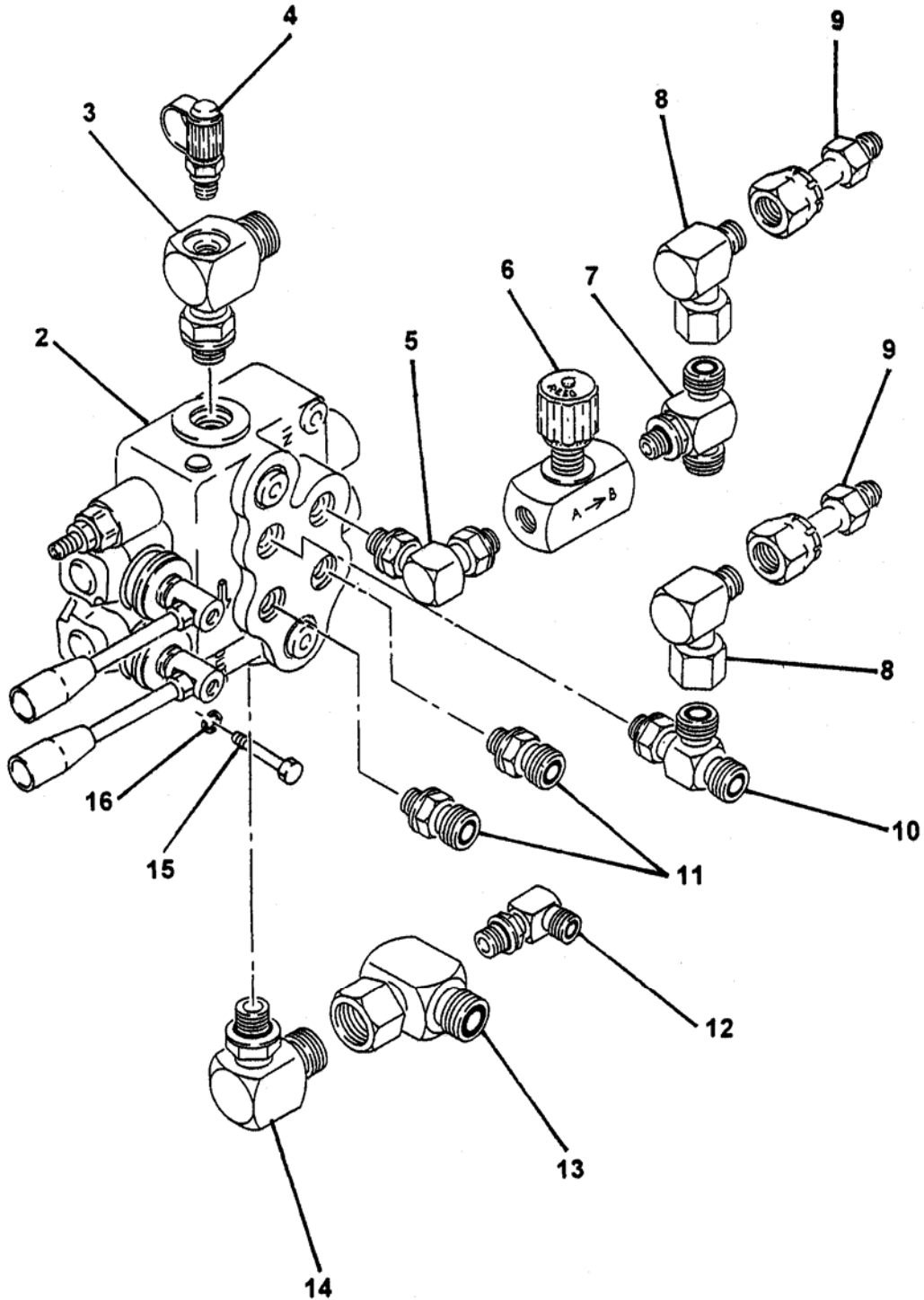
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



2 SPOOL CONTROL VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 18
PAGE 01



REVISION:



2 SPOOL CONTROL VALVE ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 18
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	80-18	Assembly, 2 Spool Control Valve (See Group 80, Figure 01 for NHA)	Ref
2	74585	• Sub-Assembly, 2 Spool Control Valve (See Group 80, Figure 20 for DET)	1
3		• Tee, Special Drill	1
4	78593	• Fitting, Mini Check (Port)	1
5		• Fitting, 90	1
6		• Controller, Check	1
7		• Tee	1
8		• Fitting	2
9		• Fitting, Connector	2
10		• Tee	1
11		• Fitting, 90	2
12		• Fitting, 90	1
13		• Tee, Special Drill	1
14		• Fitting, 90	1
15		• Bolt, Hex	2
16		• Washer, SPL Lock	2

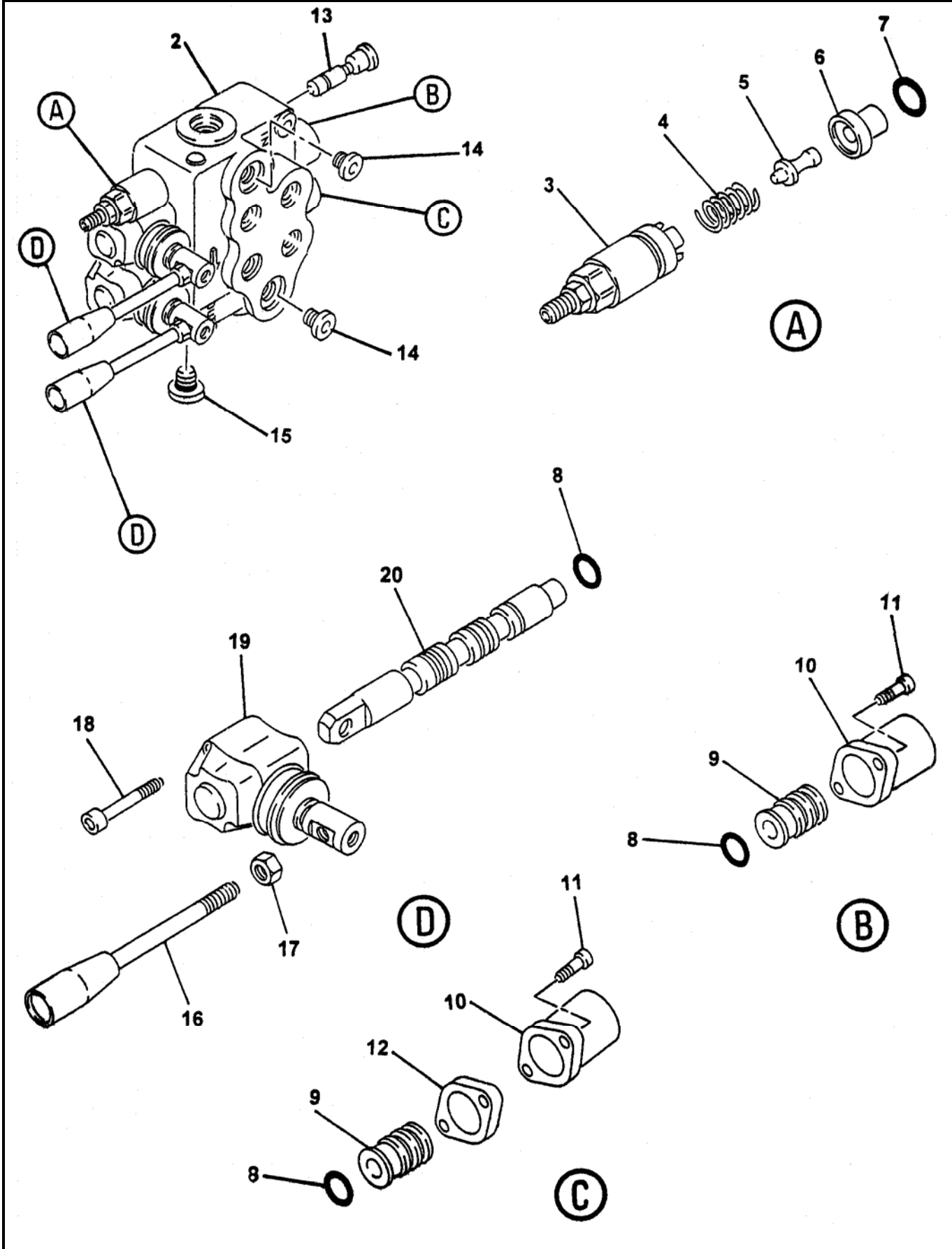
DASH (-) ITEM NOT ILLUSTRATED

REVISION:



2 SPOOL CONTROL VALVE SUB-ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 19
PAGE 01



REVISION:



2 SPOOL CONTROL VALVE SUB-ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 19
PAGE 02

ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
-1	74585	Sub-Assembly, 2 Spool Control Valve (See Group 80, Figure 18 for NHA)	Ref
2	85706	• Cartridge, Relief	1
3		• • Kit, Screw	1
4		• • Spring	1
5		• • Pin, Screw Kit	1
6		• • Ring	1
7		• • O-Ring	1
8		• O-Ring	4
9		• Kit, Spool Control	2
10		• Cap, Spool	2
11		• Screw, SOC (attaching Parts)	4
12		• Spacer	1
13		• Kit, VRS	1
14		• Plug	2
15		• Plug	1
16		• Handle, Remixer Valve	2
17		• Nut (attaching parts)	2
18		• Screw, SOC	4
19		• Lever, L	2
20		• Spool	2
21		• Body, Valve	1

DASH (-) ITEM NOT ILLUSTRATED

REVISION:



TIRE & WHEEL ASSEMBLY - ALUMINUM

B50
PARTS
GROUP 80
FIGURE 20
PAGE 01



REVISION:



TIRE & WHEEL ASSEMBLY - ALUMINUM

B50
PARTS
GROUP 80
FIGURE 20
PAGE 02

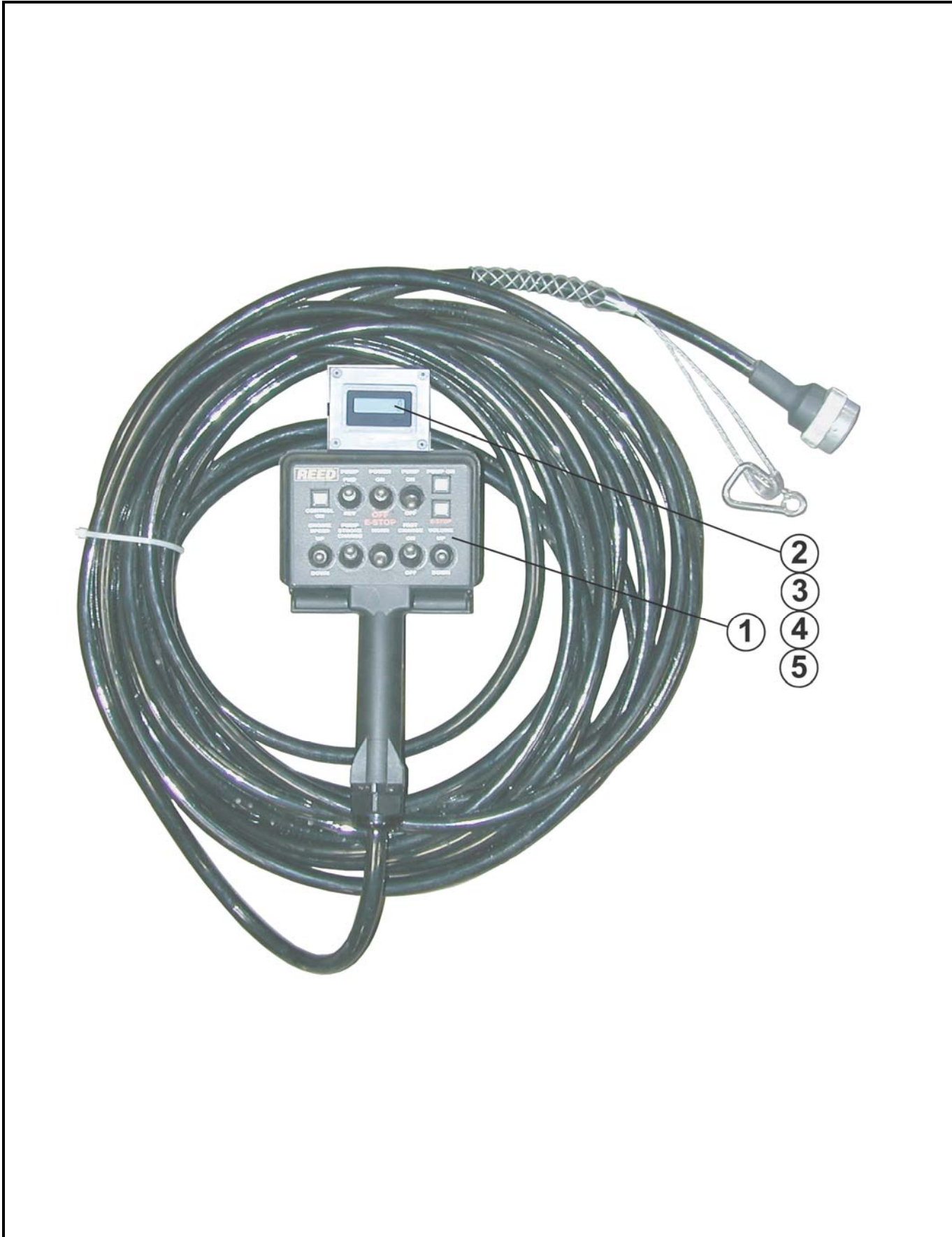
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	86923-1	Assembly, Tire & Wheel-Aluminum-215/75R17.5H (See Group 80, Figure 01 for NHA)	Ref
1	NPN	• Wheel-Aluminum	1
2	NPN	• Tire-215/75R17.5H	1
		DASH (-) ITEM NOT ILLUSTRATED	

REVISION:



50 FEET STROKE COUNTER CABLE REMOTE CONTROL ASSEMBLY

B50
PARTS
GROUP 80
FIGURE 21
PAGE 01



REVISION:



**50 FEET STROKE COUNTER
CABLE REMOTE CONTROL ASSEMBLY**

B50
PARTS
GROUP 80
FIGURE 21
PAGE 02

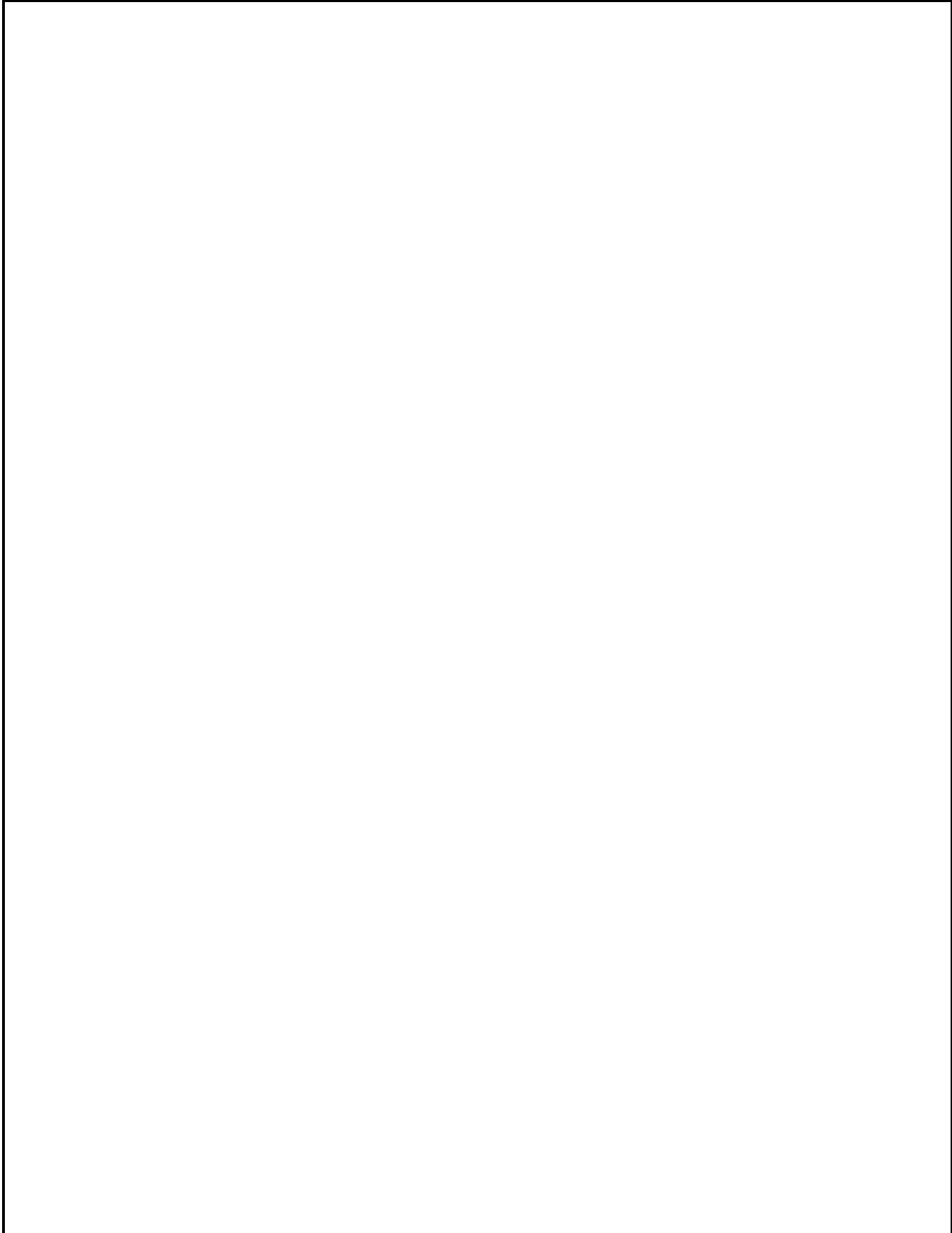
ITEM NO.	REED'S PARTS NO.	DESCRIPTION	QTY
		1 2 3 4 5	
A	87753-1	Assembly, 50 Feet Cable Remote Control with Stroke Counter (See Group 80, Figure 01 for NHA)	Ref
1	87347-1	• Control, Remote Cable (50 Feet)	1
2	72330	• Counter, Stroke	1
3	74388	• Diode, Stroke Counter	2
4	87784	• Box, Machined	1
5	87785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

REVISION:



OPEN
DO NOT USE

B50
PARTS
GROUP 80
FIGURE 00
PAGE 01



REVISION:



**OPEN
DO NOT USE**

**B50
PARTS
GROUP 80
FIGURE 00
PAGE 02**

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

REVISION: