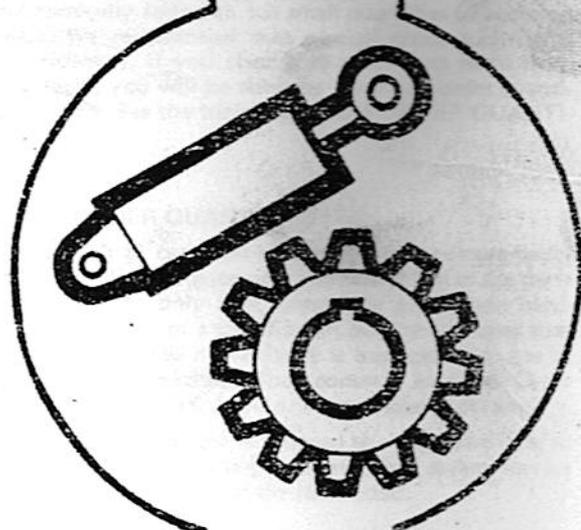


OMEGA 23

# parts manual



Harnischfeger

DOU

## HOW TO USE THE OMEGA 23 PARTS BOOK

### GENERAL

This manual contains all of the standard options available. An assembly or component that is considered an option will be identified as shown below. It is the responsibility of the user to determine which optional items are on his specific machine in order to insure that correct parts are ordered. For instance, see the Axle Options in the index. You will note that several optional axles are available. Each axle is described fully. You must order parts from the group of pages which exactly describe your machines' axles.

Ref.	OPTION Part Number	Description

### GROUPS

The machine is broken down into basic groups. For instance, Group 1 will always be the attachment, Group 2 the upper works, Group 3 the lower and Group 4 the power plant. To find any part, determine which group it is a part of, turn to the group, and find the page on which the part is listed.

### INDENTATION

The indentation of a part in the "Description" column indicates the relationship of that part to the assembly of which it is a part. For instance, the shaft assembly listed above can be purchased in two ways — as an assembly, or the key alone. You can tell this at a glance, since parts indented beneath an assembly are a part of that assembly, and will be received automatically if the assembly is ordered.

#### EXAMPLE NO. 1

—	10N000F1	SHAFT ASSEMBLY	2
1	20H0000	KEY	1

#### EXAMPLE NO. 2

—	10N000F1	SHAFT ASSEMBLY	2
1	20H0000	KEY	1
2		BOLT, Hex. hd. 1/2-13UNC x 1 in.	4
3	16T0000	PLATE	1

Also, a plate (item 3) has been added to the list. Since this plate is not indented beneath the shaft assembly, you will not receive the plate unless it is ordered as a separate item.

Note that in the second example, a bolt is shown as being a part of the shaft assembly. You will get this bolt automatically when you order the assembly. However, the lack of a part number identifies the bolt as being common hardware, which we recommend you purchase locally.

### QUANTITIES

Note that example 2 lists two shaft assemblies, but only one key. Quantities in this manual are shown as follows:

1. For assemblies, the quantity is the number of assemblies per machine.
2. For piece parts, the quantity is the number of parts per assembly.

### KITS

Certain items (primarily pumps, cylinders, valves, etc.) should normally be completely repacked when they are disassembled. In these cases, we are listing gasket and seal kits rather than individual O-rings or seals. Experience has convinced us that this is the least expensive method from the viewpoint of both the dealer and the customer. It will prevent down time caused by inadvertent damage to seals or gaskets during reassembly. For these reasons, some items formerly listed separately are available in kit form only.

### COMMON HARDWARE

Common hardware is described by standard methods. For instance, a capscrew may be described as a 1/2-13UNC x 1-1/2 in. It will not be listed by part number, because it is not economically sound to sell small quantities of common hardware. We recommend that you purchase such items locally. However, if you choose to order such items from Harnischfeger, you will be sold the minimum order quantity of that part. See the topic MINIMUM ORDER QUANTITIES below.

### MINIMUM ORDER QUANTITIES

For items such as common hardware, the minimum order quantity is 50. For instance, any item identified in the parts list by description only is automatically a common hardware item. The lack of a specific part number indicates that any commercial grade of hardware is acceptable for use at that point on the machine. Such common hardware items will be sold in quantities of 50 or in multiples of 50 only.

However, if a part number is assigned to a hardware item in this book, this will usually indicate that severe service conditions require the use of the item listed.

### GLASS

Standard flat glass items are not considered to be replacement parts, due to the extreme difficulty involved in shipping such parts without breakage. For that reason, all flat glass which can be obtained locally is illustrated, with full dimensions, in this manual. This material should be obtained locally. Only curved or special glass items will be listed in this manual as repair parts.

### NOTE

Parts pages are intended for use in ordering parts, and therefore do not always depict the correct way to assemble components. THE LISTING OF A PART IN THIS MANUAL DOES NOT IMPLY THAT IT WAS FURNISHED WITH YOUR MACHINE. IT IS SIMPLY AVAILABLE FOR PURCHASE IF YOU SO DESIRE.

**CAPACITY PLATES (RANGE OR RATING)**

All requests for capacity plates must be made directly to the Harnischfeger Corporation Service Department. Direct your request to:

Harnischfeger Corporation  
P.O. Box 669  
Cedar Rapids, Iowa 52406  
Attention: Service Manager

Your request for a capacity plate MUST be in the form of a registered letter including the following information:

1. Model/serial number of machine.
2. Your purchase order-all capacity plates will be furnished on a billed basis only-standard discounts apply.
3. Reason for requesting a capacity plate.

4. Shipping address.
5. Method of shipment.

Be sure to send a copy of your letter to your respective Regional Service Manager.

**OPTION PLATE**

This machine will be equipped with a major option plate an actual size reproduction is shown below. This plate will be located behind the right hand side of the operator seat near the heater controls. It is suggested that you copy down the information contained on this plate on the facsimile provided below. With the information from the plate it will be much easier to determine which pages in the parts manual are applicable to your unit.

OMEGA MAJOR OPTIONS	
Serial Number	<u>47547</u>
Production Unit Number	_____
ASSY.	PART NUMBER
Upper	_____
Lower	_____
Axle	_____
Power Plant	_____
Boom	_____
Winch	_____
_____	_____

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### TABULATED DATA

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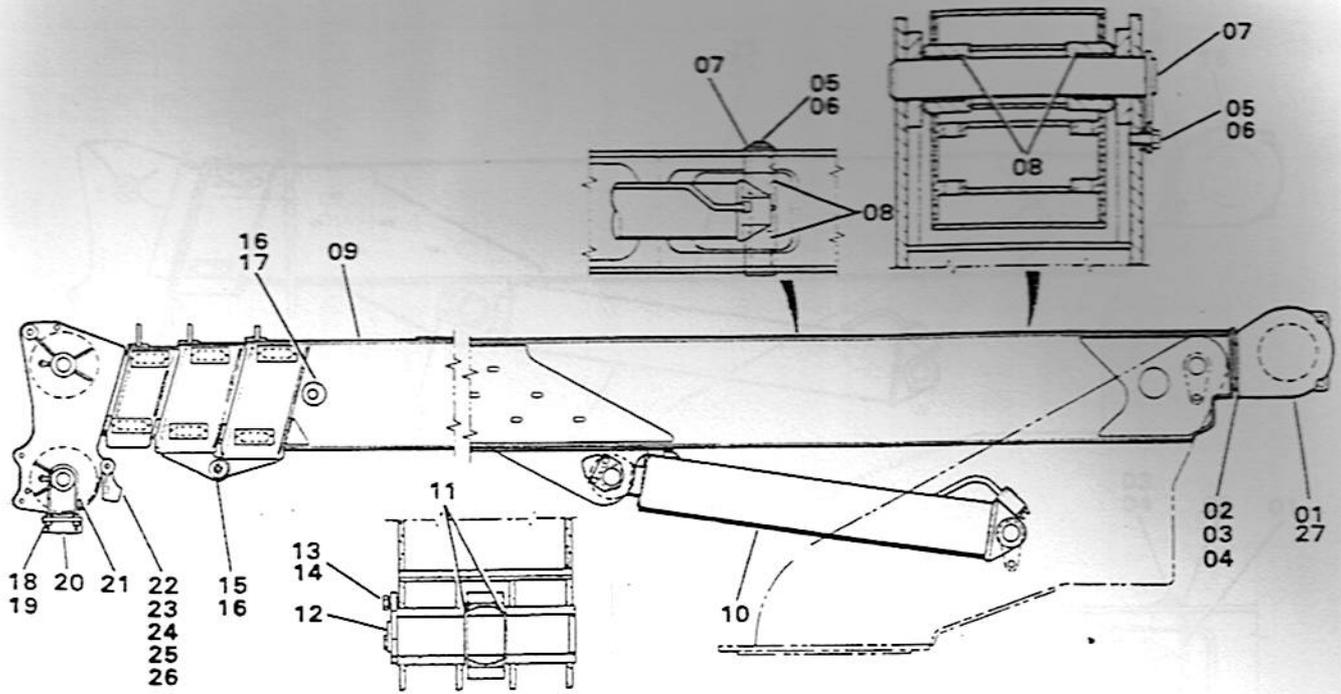
Ref.	Part Number	Description	Quantity				
			Figure Number				
01	51Q403	ENGINE ASSEMBLY . . . . .	1				
-	NPN	. BELTS . . . . .	-				
02	1007Z139	. . SET, Crankshaft and fan . . . . .	1				
03	1049Z150	. BELT, Gen. drive (set of 2) . . . . .	1				
-	NPN	. ELEMENTS, Filter: engine . . . . .	-				
04	1046Z188	. . ELEMENT, Engine oil . . . . .	1				
05	1046Z54	. . ELEMENT, Primary engine fuel . . . . .	1				
06	1046Z21	. . ELEMENT, Secondary engine fuel . . . . .	1				
-	NPN	. ELECTRICAL . . . . .	-				
07	1088Z80	. . ALTERNATOR. . . . .	1				
08	1079Z1543	. . . REGULATOR, Voltage. . . . .	1				
09	1079Z1595	. . STARTER . . . . .	1				
-	NPN	. BLADE, Fan. . . . .	-				
10	1049Z108	. . BLADE, Fan: suction . . . . .	1				
-	NPN	. PULLEYS, Engine . . . . .	-				
11	1007Z143	. . PULLEY, Crankshaft . . . . .	1				
12	1007Z146	. . PULLEY, Alternator . . . . .	1				
13	1007Z196	. . DRIVE, Accessory - pulley. . . . .	1				
14	1007Z144	. . PULLEY, Waterpump. . . . .	1				
15	1007Z145	. . PULLEY, Camshaft, front. . . . .	1				
-	NPN	ELEMENTS, Filter . . . . .	-				
-	NPN	. HYDRAULIC. . . . .	-				
16	45Z459	. . ELEMENT SET, Hydraulic return line filter . . . . .	1				
17	1046Z292	. . ELEMENT, Hydraulic supply line filter . . . . .	1				
18	1046Z290	. . ELEMENT, Transmission filter. . . . .	1				
-	NPN	. AIR . . . . .	-				
19	1046Z335	. . ELEMENT, Eng. air cleaner - (std.) . . . . .	1				
19	1046Z283	. . ELEMENT, Engine air cleaner - (noise suppression). . . . .	1				
20	1046Z294	. . ELEMENT, Air compressor air cleaner. . . . .	1				
21	51U14	COMPRESSOR, Air. . . . .	1				
22	1052Z57	CAP, Radiator . . . . .	1				
-	NPN	PUMP, Power steering . . . . .	-				
23	37U56D2	. PUMP, Power steering w/slow winch option . . . . .	1				
23	37U57D1	. PUMP, Power steering w/o slow winch option. . . . .	1				



**BOOM INSTALLATION (Continued)**

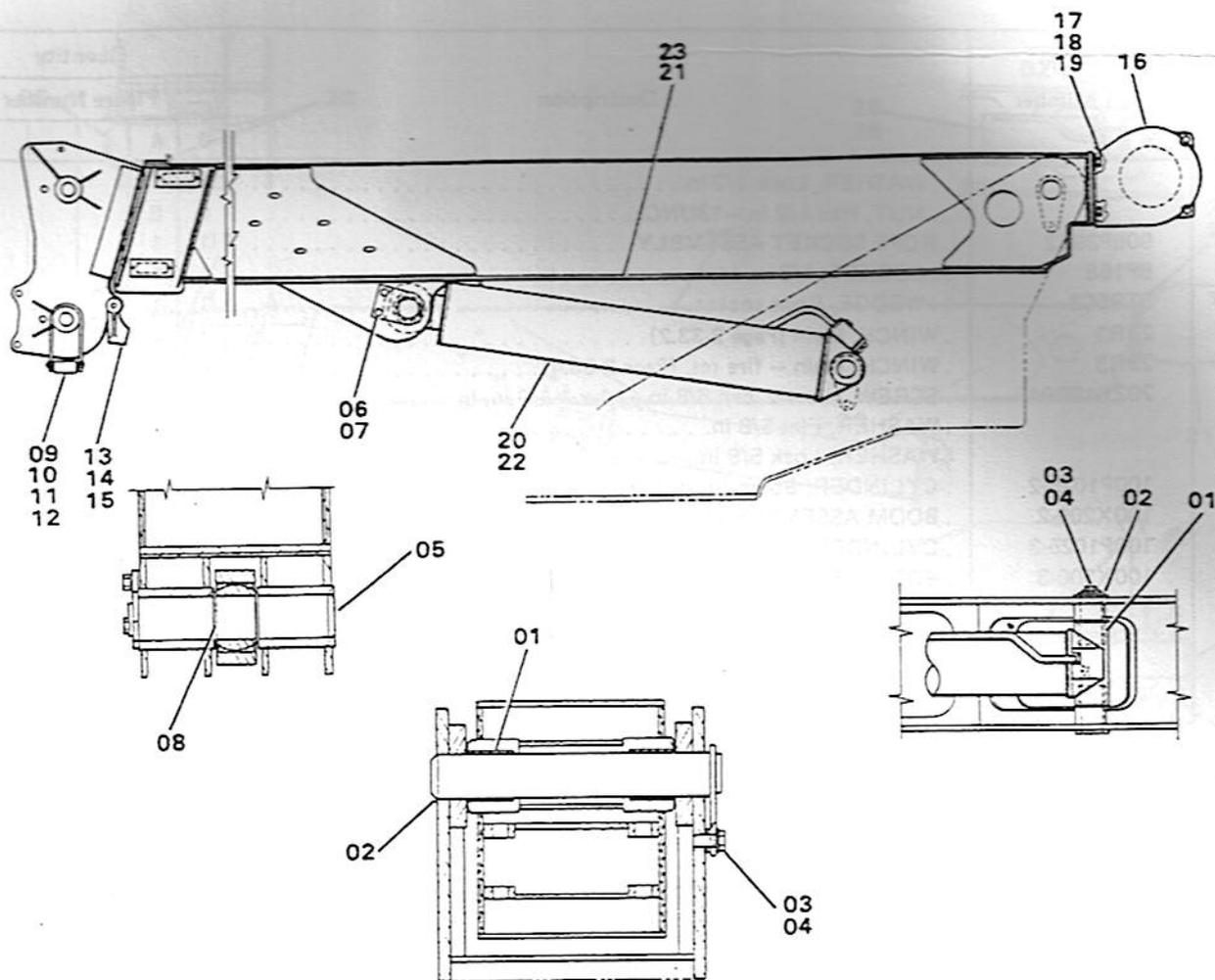
Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			13	14	15	16	17	18
14	16P5332	.. BRACKET, Anti-2-block.....	1	1	1	1	1	1
15	20P1614	.. U-BOLT, Rod.....	2	2	2	2	2	2
16		.. WASHER, Lock 1/2 in.....	4	4	4	4	4	4
17		.. NUT, Hex 1/2-13UNC.....	8	8	8	8	8	8
18	908P39-2	.. SOCKET ASSEMBLY, Rope.....	1	1	1	1	1	1
19	8P168	.. SOCKET, 1/2 in. rope.....	1	1	1	1	1	1
20	8T95C3	.. WEDGE, Rope socket.....	1	1	1	1	1	1
21	19F57D10	.. PIN, Drilled 1 x 3 in.....	1	1	1	1	1	1
22		.. PIN, Cotter 1/4 x 1-1/2 in. lg.....	2	2	2	2	2	2
23	100X205-7	.. BOOM ASSEMBLY (Page 3.1).....	1	-	-	-	-	-
23	100X205-8	.. BOOM ASSEMBLY (Page 3.1).....	-	1	-	-	-	-
23	100X205-9	.. BOOM ASSEMBLY (Page 3.1).....	-	-	1	-	-	-
23	100X205-10	.. BOOM ASSEMBLY (Page 3.1).....	-	-	-	1	-	-
23	100X205-11	.. BOOM ASSEMBLY (Page 3.1).....	-	-	-	-	1	-
23	100X205-12	.. BOOM ASSEMBLY (Page 3.1).....	-	-	-	-	-	1
24	8Z331	.. WEDGE, Winch.....	1	1	1	1	1	1

## BOOM INSTALLATION



Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			7	8	9			
—	100J5081-7	BOOM INSTALLATION W/LATTICE BOOM EXTENSION						
—	100J5081-8	BOOM INSTALLATION W/JIB						
—	100J5081-9	BOOM INSTALLATION						
01	23R1	. WINCH, Main (Page 2-33.2)	1	1	1			
02	20Z646D94	. SCREW, Hex hd. cap 5/8–11UNC x 1-1/2 in.	8	8	8			
03		. WASHER, Lock 5/8 in.	8	8	8			
04		. WASHER, Flat 5/8 in.	8	8	8			
05		. SCREW, Hex hd. cap 1–8UNC x 2-1/4 in.	2	2	2			
06	18Z694D10	. WASHER, Hardened flat 1 in.	2	2	2			
07	19P608	. PIN, Boom pivot and hoist cylinder.	2	2	2			
08	25Z1043	. BEARING, Journal	4	4	4			
09	100X204-4	. BOOM ASSEMBLY (Page 3.2)	1	—	—			
09	100X204-5	. BOOM ASSEMBLY (Page 3.2)	—	1	—			
09	100X204-6	. BOOM ASSEMBLY (Page 3.2)	—	—	1			
10	100P1025-2	. CYLINDER ASSY., Boom hoist (Page 2.2)	1	1	1			
11	18T13261	. SPACER, Hoist cylinder	2	2	2			
12	19T6005	. PIN, Hoist cylinder anchor	1	1	1			
13		. SCREW, Hex hd. cap 3/4–10UNC x 1-1/2 in.	2	2	2			
14	18Z694D8	. WASHER, Hardened flat 3/4 in.	2	2	2			
15	19T6014	. PIN, #1 section anchor	1	1	1			
16	19Z286D3	. PIN, Snapper	2	2	2			
17	19T6012	. PIN, Manual extend	1	1	1			

# BOOM INSTALLATION – TWO SECTION

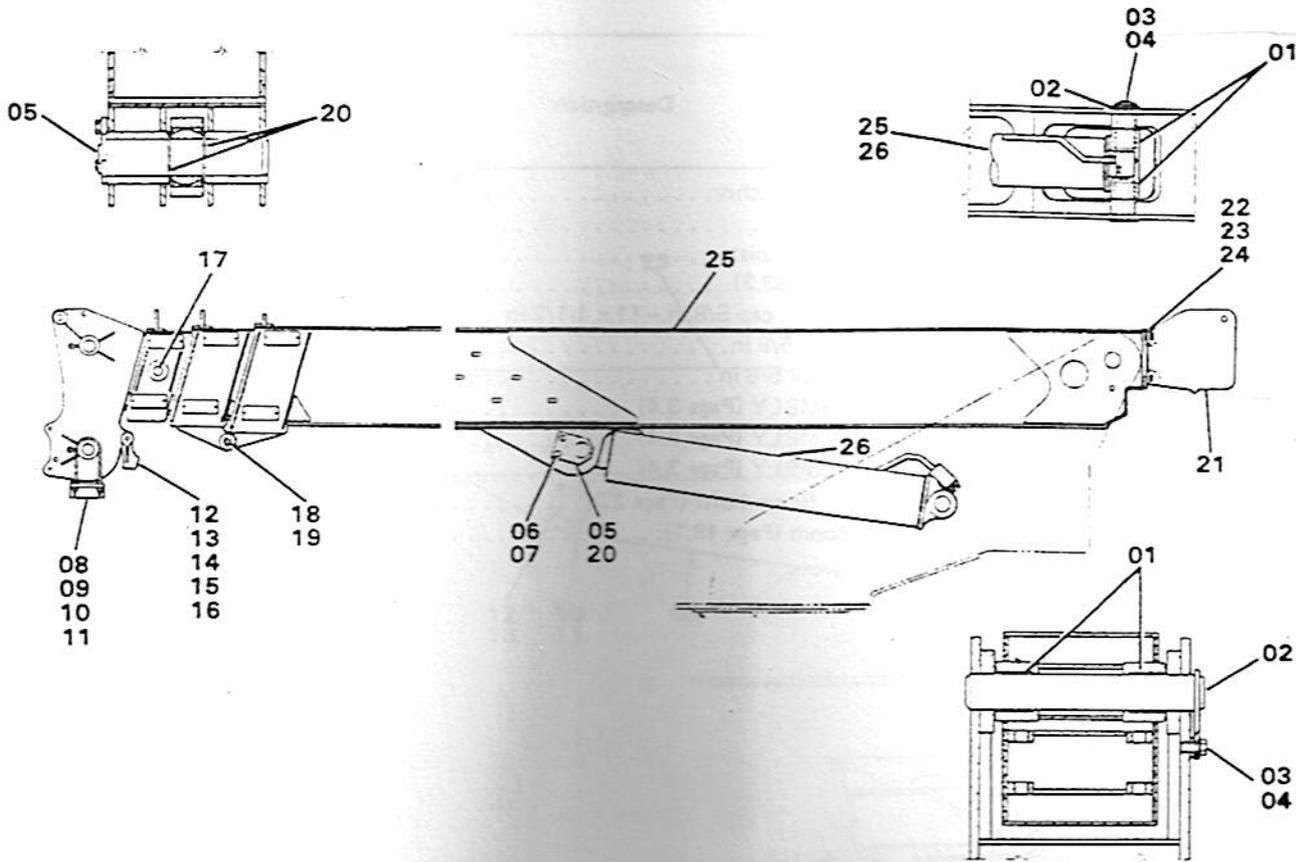


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			3	4		
—	100J5068-3	BOOM INSTALLATION – TWO SECTION	Y			
—	100J5068-4	BOOM INSTALLATION – TWO SECTION – FIRE RES. FLUID		Y		
01	25Z1043	. BEARING, Journal (boom pivot)	4	4		
02	19P608	. PIN, Boom pivot & hoist cyl. anchor	2	2		
03	20Z646D258	. SCREW, Hex hd. cap 1 in.—8 x 2-1/4 in. lg.	2	2		
04	18Z694D10	. WASHER, Flat 1 in. hrd.	2	2		
05	19T6005	. PIN, Hoist cyl. anchor	1	1		
06	20Z646D126	. SCREW, Hex hd. cap 3/4 in.—10 x 1-1/2 in. lg.	2	2		
07	18Z694D8	. WASHER, Flat 3/4 in. hrd.	2	2		
08	18T13261	. SPACER, Boom hoist.	2	2		
—	908N28F1	. ANTI-2-BLOCK ASSEMBLY, Mech	1	1		
09	16P5332	. BRACKET	1	1		
10	20P1614	. U-BOLT, Rod	2	2		

**BOOM INSTALLATION – TWO SECTION (Continued)**

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			3	4				
11		.. WASHER, Lock 1/2 in . . . . .	4	4				
12		.. NUT, Hex 1/2 in.—13UNC. . . . .	8	8				
13	908P39F2	. ROPE SOCKET ASSEMBLY . . . . .	1	1				
14	8P168	.. SOCKET, 1/2 in. rope. . . . .	1	1				
15	8T95C3	.. WEDGE, Rope socket. . . . .	1	1				
16	23R1	. WINCH, Main (Page 2-33.2) . . . . .	1	—				
16	23R3	. WINCH, Main — fire res. (Page 2-33.4) . . . . .	—	1				
17	20Z646D94	. SCREW, Hex hd. cap 5/8 in.—11 x 1-1/2 in. lg. . . . .	8	8				
18		. WASHER, Flat 5/8 in. . . . .	8	8				
19		. WASHER, Lock 5/8 in. . . . .	8	8				
20	100P1025-2	. CYLINDER, Boom hoist (Page 2.2) . . . . .	1	—				
21	100X200-2	. BOOM ASSEMBLY (Page 3.3) . . . . .	1	—				
22	100P1025-3	. CYLINDER, Boom hoist (Page 2.1) . . . . .	—	1				
23	100X200-3	. BOOM ASSEMBLY (Page 3.3) . . . . .	—	1				

## BOOM INSTALLATION

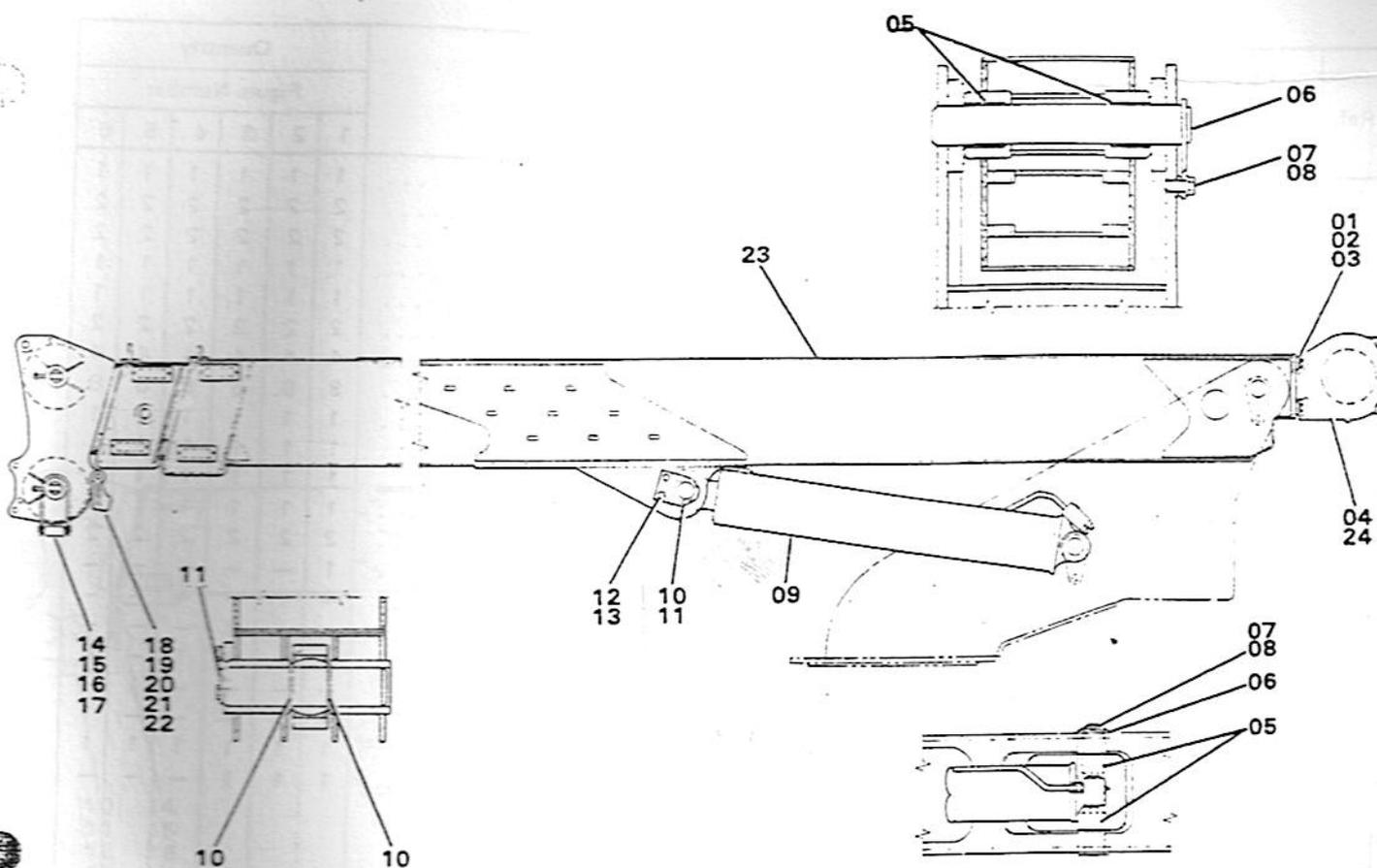


Ref.	Part Number	Description	Quantity				
			Figure Number				
			3	4	5		
-	100J5092-3	BOOM INSTALLATION W/LATTICE BOOM EXTENSION	▼				
-	100J5092-4	BOOM INSTALLATION W/JIB		▼			
-	100J5092-5	BOOM INSTALLATION W/O JIB			▼		
01	25Z1043	.. BEARING, Journal	4	4	4		
02	19P608	.. PIN, Boom pivot & hoist cyl. anchor	2	2	2		
03		.. SCREW, Hex hd. cap 1 in.-8 x 2-1/4 in. lg.	2	2	2		
04		.. WASHER, Flat hrdn. 1 in.	2	2	2		
05	19T6005	.. PIN, Hoist cyl. anchor	1	1	1		
06		.. SCREW, Hex hd. cap 3/4 in.-10 x 1-1/2 in. lg.	2	2	2		
07		.. WASHER, Flat hrdn. 3/4 in.	2	2	2		
-	908N28F1	.. ANTI TWO-BLOCK ASSEMBLY, Mech.	1	1	1		
08	16P5332	.. BRACKET	1	1	1		
09	20P1614	.. U-BOLT, Rod	2	2	2		
10		.. WASHER, Lock 1/2 in.	4	4	4		
11		.. NUT, Hex 1/2 in.-13UNC.	8	8	8		
12	908P39F2	.. ROPE SOCKET ASSEMBLY	1	1	1		
13	8P168	.. SOCKET, 1/2 in. rope.	1	1	1		
14	8T95C3	.. WEDGE, Rope socket.	1	1	1		
15	19F57D10	.. PIN, Drilled 1 x 3 in.	1	1	1		
16		.. PIN, Cotter 1/4 in. x 1-1/2 in. lg.	2	2	2		
17	19T6012	.. PIN, Manual extend	1	1	1		

**BOOM INSTALLATION (Continued)**

Ref.	Part Number	Description	Quantity				
			Figure Number				
			3	4	5		
18	19T6014	. PIN, Section #1 anchor. . . . .	1	1	1		
19	19Z286D3	. PIN, Snapper . . . . .	2	2	2		
20	18T13261	. SPACER, Boom hoist. . . . .	2	2	2		
21	23R2D1	. WINCH (Page 2-33.3) . . . . .	1	1	1		
22		. SCREW, Hex hd. cap 5/8 in.—11 x 1-1/2 in . . . . .	8	8	8		
23		. WASHER, Flat 5/8 in. . . . .	8	8	8		
24		. WASHER, Lock 5/8 in . . . . .	8	8	8		
25	100X208-1	. BOOM ASSEMBLY (Page 3.4) . . . . .	1	—	—		
25	100X208-2	. BOOM ASSEMBLY (Page 3.4) . . . . .	—	1	—		
25	100X208-3	. BOOM ASSEMBLY (Page 3.4) . . . . .	—	—	1		
26	100P1025-2	. CYLINDER, Boom hoist (Page 2.2) . . . . .	1	1	1		
—	979N100-1	. WIRING, Boom (Page 18.1). . . . .	1	1	1		

## BOOM INSTALLATION

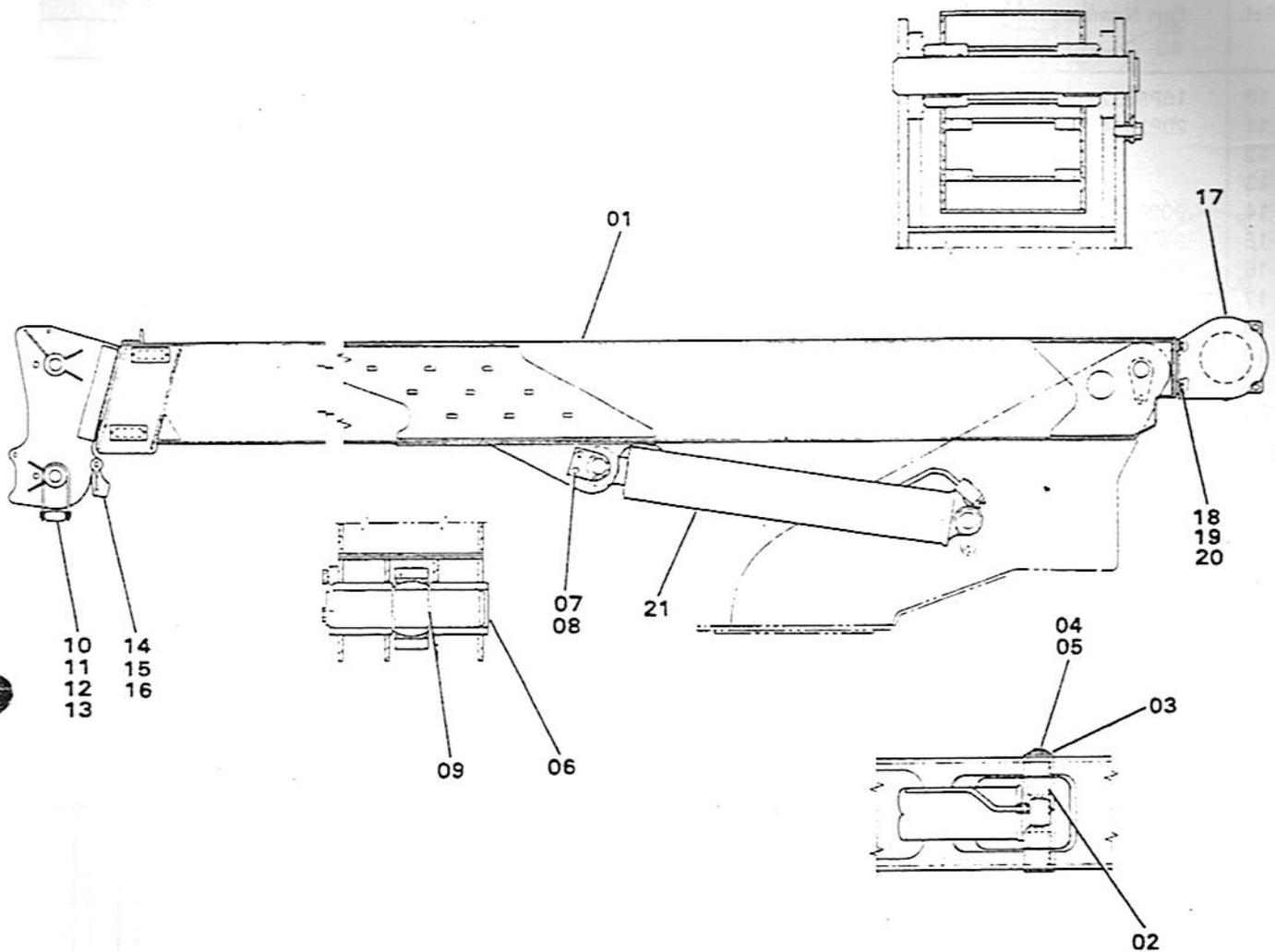


Ref.	OPTION Part Number	Description	Quantity							
			Figure Number							
			1	2	3	4	5	6		
-	100J5216-1	BOOM INSTALLATION, FULL PWR. "A" FRAME JIB								
-	100J5216-2	BOOM INSTALLATION, FULL PWR. 22 IN. LATTICE JIB								
-	100J5216-3	BOOM INSTALLATION, FULL POWER								
-	100J5216-4	BOOM INSTALLATION, MANUAL, "A" FRAME JIB								
-	100J5216-5	BOOM INSTALLATION, MANUAL, 22 IN LATTICE JIB								
-	100J5216-6	BOOM INSTALLATION, MANUAL								
01	20Z646D94	. SCREW, Hex hd. cap 5/8-11UNC x 1-1/2 in . . . . .	8	8	8	8	8	8	8	8
02		. WASHER, Lock 5/8 in . . . . .	8	8	8	8	8	8	8	8
03		. WASHER, Flat 5/8 in. . . . .	8	8	8	8	8	8	8	8
04	23R2D1	. WINCH, Main (Page 2-33.3) . . . . .	1	1	1	1	1	1	1	1
05	25Z1043	. BEARING, Boom pivot . . . . .	4	4	4	4	4	4	4	4
06	19P608	. PIN, Hoist cylinder and boom pivot . . . . .	2	2	2	2	2	2	2	2
07	20Z646D258	. SCREW, Hex hd. cap 1-8UNC x 2-1/4 in. . . . .	2	2	2	2	2	2	2	2
08	18Z694D10	. WASHER, Hardened flat 1 in. . . . .	2	2	2	2	2	2	2	2
09	100P1025-2	. CYLINDER, Boom hoist (Page 2.2) . . . . .	1	1	1	1	1	1	1	1
10	18T13261	. SPACER, Hoist cylinder . . . . .	2	2	2	2	2	2	2	2

**BOOM INSTALLATION (Continued)**

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			1	2	3	4	5	6
11	19T6005	. PIN, Hoist cylinder anchor . . . . .	1	1	1	1	1	1
12	20Z646D126	. SCREW, Hex hd. cap 3/4-10UNC x 1-1/2 in . . . . .	2	2	2	2	2	2
13	18Z694D8	. WASHER, Hardened flat 3/4 in . . . . .	2	2	2	2	2	2
-	908N28F1	. ANTI-2-BLOCK ASSEMBLY, Mechanical . . . . .	1	1	1	1	1	1
14	16P5332	. BRACKET, Anti-2-block. . . . .	1	1	1	1	1	1
15	20P1614	. U-BOLT, Rod . . . . .	2	2	2	2	2	2
16		. WASHER, Lock 1/2 in . . . . .	4	4	4	4	4	4
17		. NUT, Hex 1/2-13UNC. . . . .	8	8	8	8	8	8
18	908P39F2	. SOCKET ASSEMBLY, Rope . . . . .	1	1	1	1	1	1
19	8P168	. SOCKET, 1/2 in. rope. . . . .	1	1	1	1	1	1
20	8T95C3	. WEDGE, Rope socket. . . . .	1	1	1	1	1	1
21	19F57D10	. PIN, Drilled 1 x 3 in. . . . .	1	1	1	1	1	1
22		. PIN, Cotter 1/4 x 1-1/2 in. lg. . . . .	2	2	2	2	2	2
23	100J5215-1	. BOOM ASSEMBLY (Page 3.5) . . . . .	1	-	-	-	-	-
23	100J5215-2	. BOOM ASSEMBLY (Page 3.5) . . . . .	-	1	-	-	-	-
23	100J5215-3	. BOOM ASSEMBLY (Page 3.5) . . . . .	-	-	1	-	-	-
23	100X205-10	. BOOM ASSEMBLY (Page 3.1) . . . . .	-	-	-	1	-	-
23	100X205-11	. BOOM ASSEMBLY (Page 3.1) . . . . .	-	-	-	-	1	-
23	100X205-12	. BOOM ASSEMBLY (Page 3.1) . . . . .	-	-	-	-	-	1
24	8Z331	. WEDGE, Winch. . . . .	1	1	1	1	1	1
-	979N100-1	. WIRING, Boom - solenoid valve (Page 18.1) . . . . .	1	1	1	-	-	-

## BOOM INSTALLATION – TWO SECTION

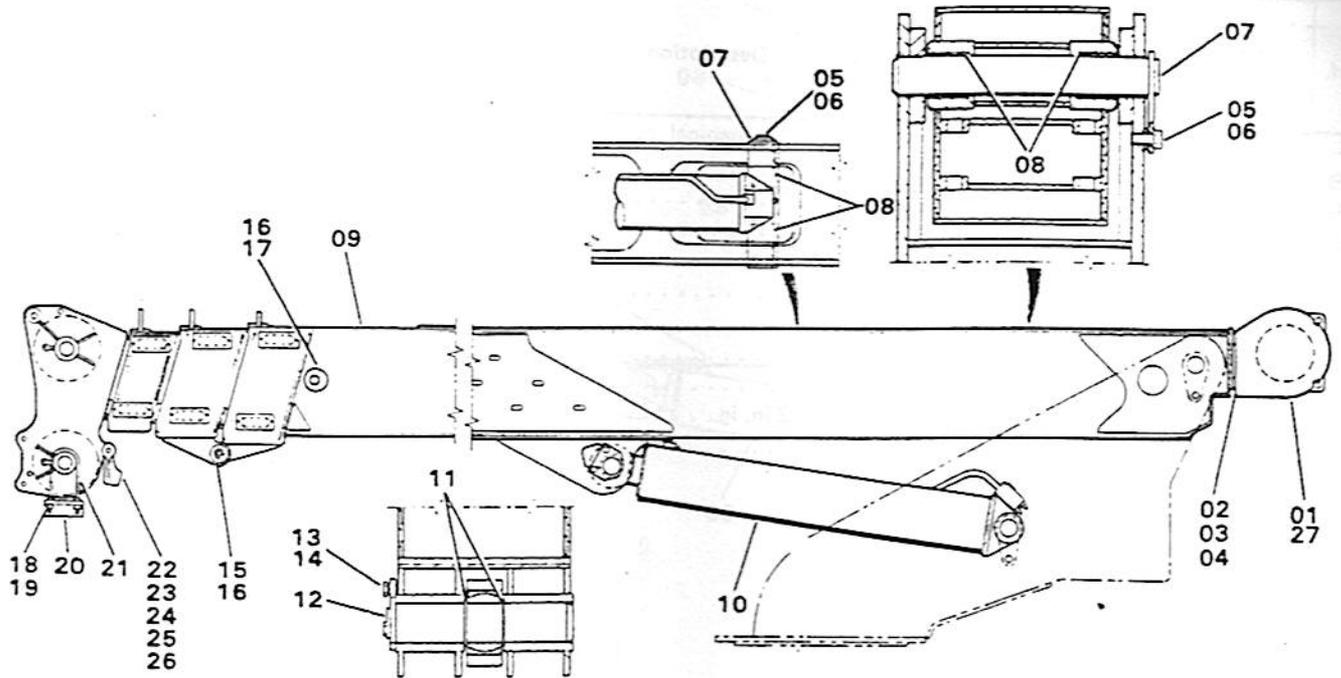


Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			1				
-	100J5224-1	BOOM INSTALL. – TWO SECTION – EUROPEAN	1				
01	100X200-2	. BOOM ASSY. (Page 3.3).	1				
02	25Z1043	. BEARING, Journal (boom pivot)	4				
03	19P608	. PIN, Boom pivot & hoist cyl. anchor	2				
04	20Z646D258	. SCREW, Hex hd. cap 1 in. - 8 x 2-1/4 in. lg.	2				
05	18Z694D10	. WASHER, Flat 1 in. hrd.	2				
06	19T6005	. PIN, Hoist cyl. anchor	1				
07	20Z646D126	. SCREW, Hex hd. cap 3/4 in. - 10 x 1-1/2 in. lg.	2				
08	18Z694D8	. WASHER, Flat 3/4 in. hrd.	2				
09	18T13261	. SPACER – Boom hoist.	2				
-	908N28F1	. ANTI 2-BLOCK ASSY., Mech.	1				

**BOOM INSTALLATION – TWO SECTION (Continued)**

Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			1				
10	16P5332	.. BRACKET .....	1				
11	20P1614	.. U-BOLT, Rod .....	2				
12		.. WASHER, Lock 1/2 in. ....	4				
13		.. NUT, Hex 1/2 in. –13UNC .....	8				
14	908P39F2	.. SOCKET ASSY., Rope .....	1				
15	8P168	.. SOCKET 1/2 in. rope .....	1				
16	8T95C3	.. WEDGE, Rope socket .....	1				
17	23R2D1	.. WINCH, Main (Page 2-33.3) .....	1				
18	20Z646D94	.. SCREW, Hex hd. cap 5/8 in. –11 x 1-1/2 in. lg. ....	8				
19		.. WASHER, Flat 5/8 in. ....	8				
20		.. WASHER, Lock 5/8 in. ....	8				
21	100P1025-2	.. CYLINDER, Boom hoist (Page 2.2) .....	1				

## BOOM INSTALLATION

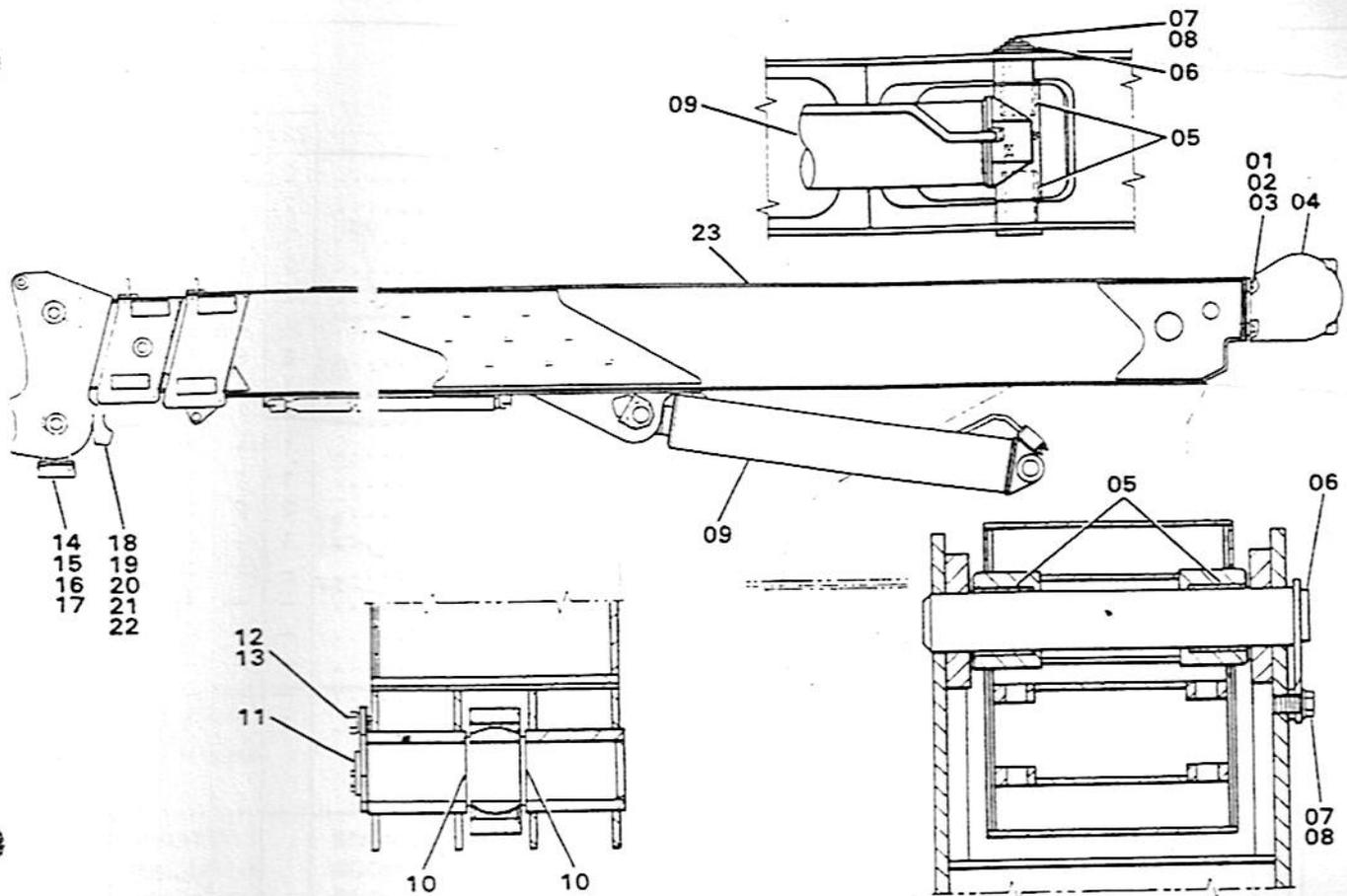


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			10	11	12	
—	100J5081-10	BOOM INSTALLATION W/LATTICE BOOM EXTENSION— FIRE RESISTANT FLUID				
—	100J5081-11	BOOM INSTALLATION W/JIB – FIRE RESISTANT FLUID				
—	100J5081-12	BOOM INSTALLATION – FIRE RESISTANT FLUID				
01	23R3	. WINCH, Main (Page 2-33.4)	1	1	1	
02	20Z646D94	. SCREW, Hex hd. cap 5/8–11UNC x 1-1/2 in.	8	8	8	
03		. WASHER, Lock 5/8 in.	8	8	8	
04		. WASHER, Flat 5/8 in.	8	8	8	
05		. SCREW, Hex hd. cap 1–8UNC x 2-1/4 in.	2	2	2	
06	18Z694D10	. WASHER, Hardened flat 1 in.	2	2	2	
07	19P608	. PIN, Boom pivot and hoist cylinder.	2	2	2	
08	25Z1043	. BEARING, Journal	4	4	4	
09	100X204-7	. BOOM ASSEMBLY (Page 3.3)	1	—	—	
09	100X204-8	. BOOM ASSEMBLY (Page 3.3)	—	1	—	
09	100X204-9	. BOOM ASSEMBLY (Page 3.3)	—	—	1	
10	100P1025-3	. CYLINDER ASSY., Boom hoist (Page 2.1)	1	1	1	
11	18T13261	. SPACER, Hoist cylinder	2	2	2	
12	19T6005	. PIN, Hoist cylinder anchor	1	1	1	
13		. SCREW, Hex hd. cap 3/4–10UNC x 1-1/2 in.	2	2	2	
14	18Z694D8	. WASHER, Hardened flat 3/4 in.	2	2	2	
15	19T6014	. PIN, #1 section anchor	1	1	1	
16	19Z286D3	. PIN, Snapper	2	2	2	
17	19T6012	. PIN, Manual extend	1	1	1	

**BOOM INSTALLATION (Continued)**

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			10	11	12			
—	908N28-1	. ANTI-2-BLOCK ASSY., Mechanical .....	1	1	1			
18		.. NUT, Hex 1/2-13UNC .....	8	8	8			
19		.. WASHER, Lock 1/2 in. ....	4	4	4			
20	16P5332	.. BRACKET .....	1	1	1			
21	20P1614	.. U-BOLT, Rod .....	2	2	2			
22	908P39-2	.. SOCKET ASSY., Rope .....	1	1	1			
23	8P168	.. SOCKET, 1/2 in. rope .....	1	1	1			
24	8T95C3	.. WEDGE, Rope socket .....	1	1	1			
25	19F57D10	.. PIN, Drilled 1 x 3 in. ....	1	1	1			
26		.. PIN, Cotter 1/4 x 1-1/2 in. lg. ....	2	2	2			
27	8Z331	.. WEDGE, Winch. ....	1	1	1			

## BOOM INSTALLATION

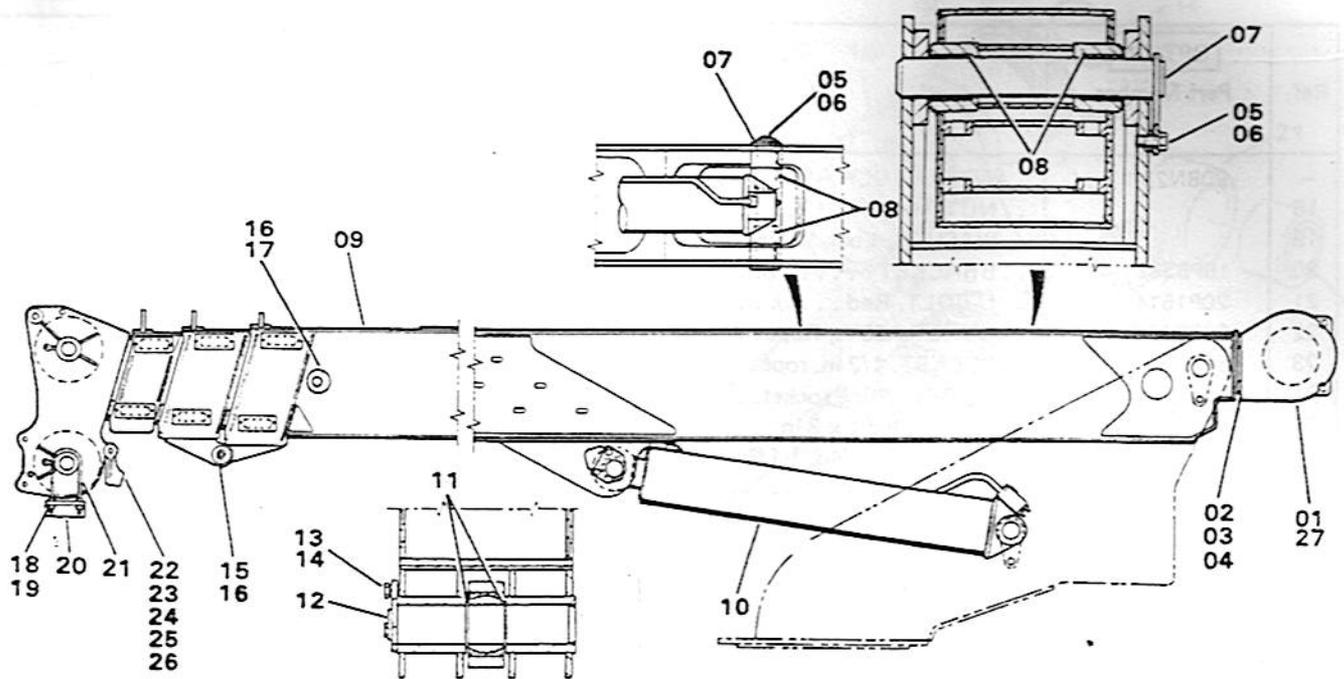


Ref.	OPTION Part Number	Description	Quantity						
			Figure Number						
			23	24	25	26	27	28	
-	100J5082-23	BOOM INST., FULL PWR. W/LATTICE BOOM EXT. - FIRE RESISTANT FLUID							
-	100J5082-24	BOOM INST., FULL PWR. W/JIB - FIRE RESISTANT FLUID							
-	100J5082-25	BOOM INST., FULL PWR. - FIRE RESISTANT FLUID							
-	100J5082-26	BOOM INST., MANUAL W/LATTICE BOOM EXT. - FIRE RESISTANT FLUID							
-	100J5082-27	BOOM INSTALLATION, MANUAL W/JIB - FIRE RESISTANT FLUID							
-	100J5082-28	BOOM INST., MANUAL - FIRE RESISTANT FLUID							
01	20Z646D94	. SCREW, Hex hd. cap 5/8-11UNC x 1-1/2 in. . . . .	8	8	8	8	8	8	8
02		. WASHER, Lock 5/8 in. . . . .	8	8	8	8	8	8	8
03		. WASHER, Flat 5/8 in. . . . .	8	8	8	8	8	8	8
04	23R3	. WINCH, Main (Page 2-33.4) . . . . .	1	1	1	1	1	1	1
05	25Z1043	. BEARING, Boom pivot . . . . .	4	4	4	4	4	4	4
06	19P608	. PIN, Hoist cylinder and boom pivot . . . . .	2	2	2	2	2	2	2
07	20Z646D258	. SCREW, Hex hd. cap 1-8UNC x 2-1/4 in. . . . .	2	2	2	2	2	2	2
08	18Z694D10	. WASHER, Hardened flat 1 in. . . . .	2	2	2	2	2	2	2
09	100P1025-3	. CYLINDER, Boom hoist (Page 2.1) . . . . .	1	1	1	1	1	1	1
10	18T13261	. SPACER, Hoist cylinder . . . . .	2	2	2	2	2	2	2
11	19T6005	. PIN, Hoist cylinder anchor . . . . .	1	1	1	1	1	1	1

### BOOM INSTALLATION (Continued)

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			23	24	25	26	27	28
12	20Z646D126	. SCREW, Hex hd. cap 3/4-10UNC x 1-1/2 in. . . . .	2	2	2	2	2	2
13	18Z694D8	. WASHER, Hardened flat 3/4 in. . . . .	2	2	2	2	2	2
-	908N28-1	. ANTI-2-BLOCK ASSEMBLY, Mechanical . . . . .	1	1	1	1	1	1
14	16P5332	. BRACKET, Anti-2-block. . . . .	1	1	1	1	1	1
15	20P1614	. U-BOLT, Rod . . . . .	2	2	2	2	2	2
16		. WASHER, Lock 1/2 in. . . . .	4	4	4	4	4	4
17		. NUT, Hex 1/2-13UNC. . . . .	8	8	8	8	8	8
18	908P39-2	. SOCKET ASSEMBLY, Rope . . . . .	1	1	1	1	1	1
19	8P168	. SOCKET, 1/2 in. rope. . . . .	1	1	1	1	1	1
20	8T95C3	. WEDGE, Rope socket. . . . .	1	1	1	1	1	1
21	19F57D10	. PIN, Drilled 1 x 3 in. . . . .	1	1	1	1	1	1
22		. PIN, Cotter 1/4 x 1-1/2 in. lg. . . . .	2	2	2	2	2	2
23	100X205-13	. BOOM ASSEMBLY (Page 3.6) . . . . .	1	-	-	-	-	-
23	100X205-14	. BOOM ASSEMBLY (Page 3.6) . . . . .	-	1	-	-	-	-
23	100X205-15	. BOOM ASSEMBLY (Page 3.6) . . . . .	-	-	1	-	-	-
23	100X205-16	. BOOM ASSEMBLY (Page 3.6) . . . . .	-	-	-	1	-	-
23	100X205-17	. BOOM ASSEMBLY (Page 3.6) . . . . .	-	-	-	-	1	-
23	100X205-18	. BOOM ASSEMBLY (Page 3.6) . . . . .	-	-	-	-	-	1
24	8Z331	. WEDGE, Winch. . . . .	1	1	1	1	1	1

## BOOM INSTALLATION

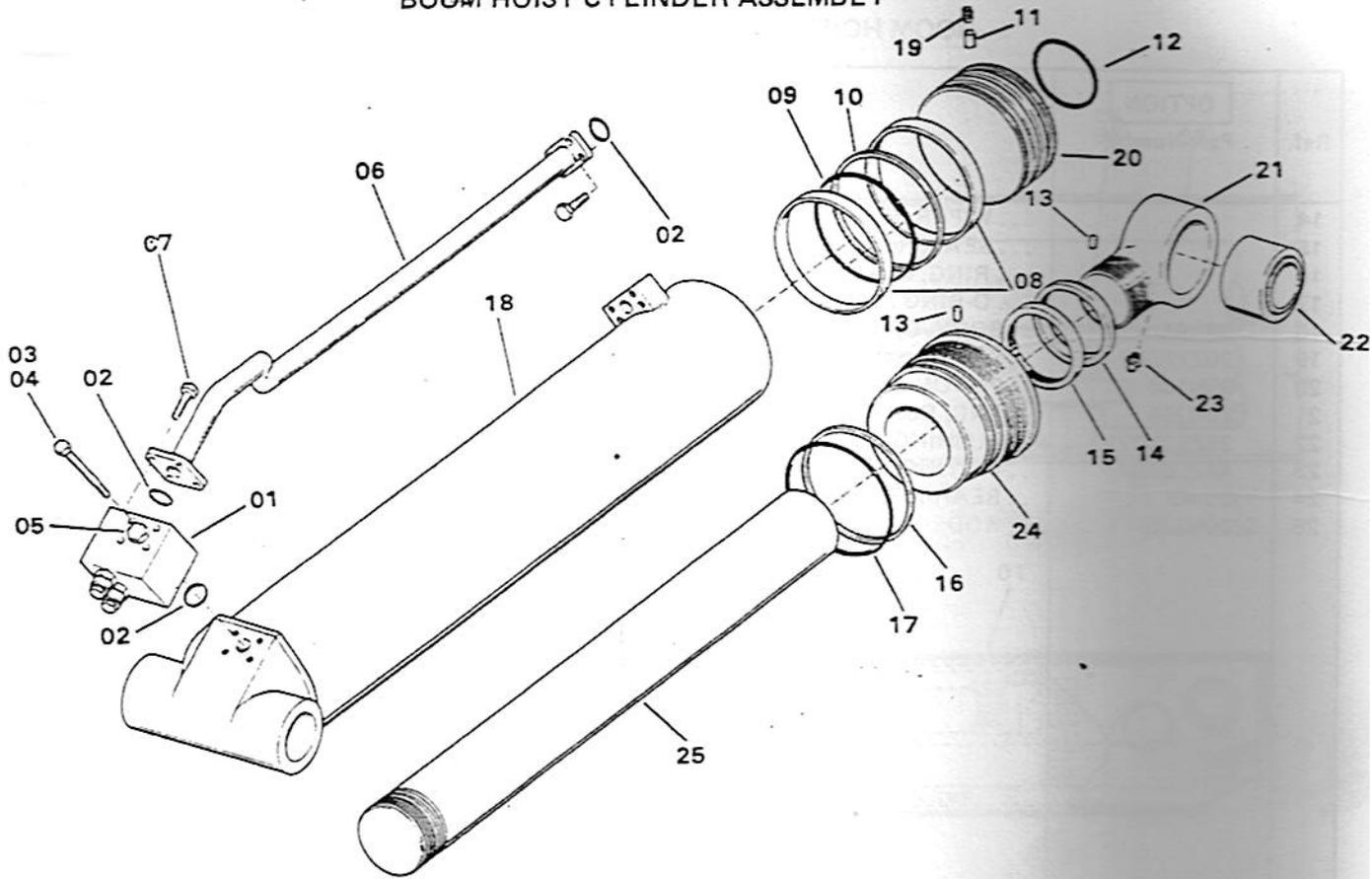


Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			7	8	9			
-	100J5081-7	BOOM INSTALLATION W/LATTICE BOOM EXTENSION						
-	100J5081-8	BOOM INSTALLATION W/JIB						
-	100J5081-9	BOOM INSTALLATION						
01	23R1	. WINCH, Main (Page 2-33.2)	1	1	1			
02	20Z646D94	. SCREW, Hex hd. cap 5/8-11UNC x 1-1/2 in.	8	8	8			
03		. WASHER, Lock 5/8 in.	8	8	8			
04		. WASHER, Flat 5/8 in.	8	8	8			
05		. SCREW, Hex hd. cap 1-8UNC x 2-1/4 in.	2	2	2			
06	18Z694D10	. WASHER, Hardened flat 1 in.	2	2	2			
07	19P608	. PIN, Boom pivot and hoist cylinder	2	2	2			
08	25Z1043	. BEARING, Journal	4	4	4			
09	100X204-4	. BOOM ASSEMBLY (Page 3.2)	1	-	-			
09	100X204-5	. BOOM ASSEMBLY (Page 3.2)	-	1	-			
09	100X204-6	. BOOM ASSEMBLY (Page 3.2)	-	-	1			
10	100P1025-2	. CYLINDER ASSY., Boom hoist (Page 2.2)	1	1	1			
11	18T13261	. SPACER, Hoist cylinder	2	2	2			
12	19T6005	. PIN, Hoist cylinder anchor	1	1	1			
13		. SCREW, Hex hd. cap 3/4-10UNC x 1-1/2 in.	2	2	2			
14	18Z694D8	. WASHER, Hardened flat 3/4 in.	2	2	2			
15	19T6014	. PIN, #1 section anchor	1	1	1			
16	19Z286D3	. PIN, Snapper	2	2	2			
17	19T6012	. PIN, Manual extend	1	1	1			

**BOOM INSTALLATION (Continued)**

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			7	8	9			
-	908N28-1	. ANTI-2-BLOCK ASSY., Mechanical . . . . .	1	1	1			
18		.. NUT, Hex 1/2-13UNC. . . . .	8	8	8			
19		.. WASHER, Lock 1/2 in. . . . .	4	4	4			
20	16P5332	.. BRACKET . . . . .	1	1	1			
21	20P1614	.. U-BOLT, Rod . . . . .	2	2	2			
22	908P39-2	. SOCKET ASSY., Rope . . . . .	1	1	1			
23	8P168	.. SOCKET, 1/2 in. rope. . . . .	1	1	1			
24	8T95C3	.. WEDGE, Rope socket. . . . .	1	1	1			
25	19F57D10	.. PIN, Drilled 1 x 3 in. . . . .	1	1	1			
26		.. PIN, Cotter 1/4 x 1-1/2 in. lg. . . . .	2	2	2			
27	8Z331	. WEDGE, Winch . . . . .	1	1	1			

### BOOM HOIST CYLINDER ASSEMBLY

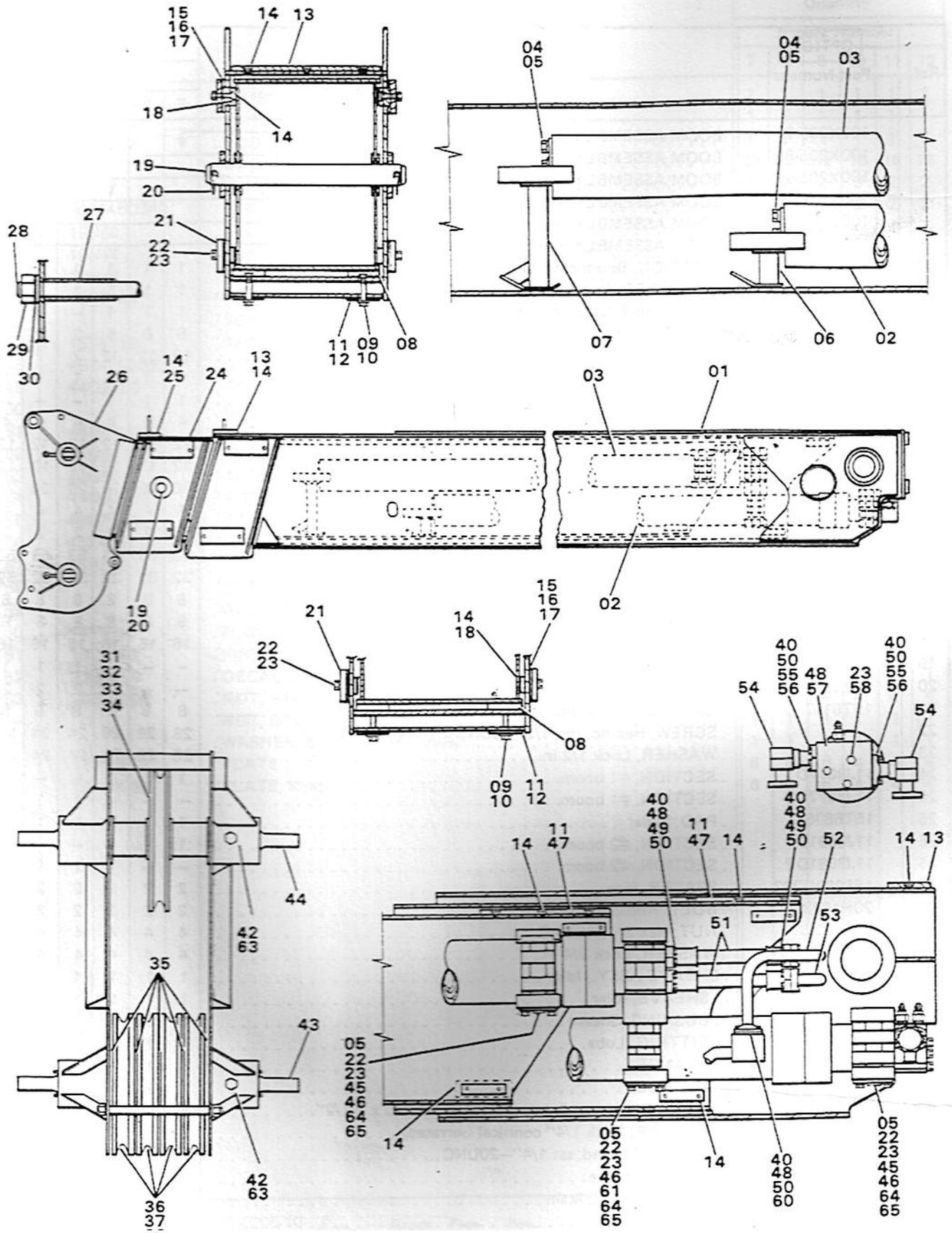


Ref.	OPTION	Description	Quantity			
	Part Number		Figure Number			
			2			
-	100P1025-2	BOOM HOIST CYLINDER ASSEMBLY	1			
01	36R38D1	. VALVE, Holding	1			
02	45Z479D21	. O-RING	3			
03	20Z646D510	. SCREW, Hex hd. cap 3/8-16UNC x 3-3/4 in. Gr. 5	4			
04	18Z694D5	. WASHER, Hard. flat 3/8	4			
05	44Z1010D2	. PLUG, Pipe 1/4NPT	1			
06	44U94	. TUBE	1			
07	20Z646D49	. SCREW, Hex hd. cap 3/8-16UNC x 1-1/2 in. Gr. 5	8			
-		. CYLINDER, Boom hoist	1			
-	1100T247-1	. . KIT, Seal	1			
08		. . . RING, Wear	2			
09		. . . O-RING	1			
10		. . . SEAL, Piston	1			
11		. . . LOCK, Thread	1			
12		. . . O-RING	1			
13		. . . LOCK, Thread	5			

### BOOM HOIST CYLINDER ASSEMBLY (Continued)

Ref.	<div style="border: 1px solid black; padding: 2px; display: inline-block;">OPTION</div> Part Number	Description	Quantity				
			Figure Number				
			2				
14		... WIPER, Rod . . . . .	1				
15		... SEAL, Rod . . . . .	1				
16		... RING, Back-up . . . . .	1				
17		... O-RING . . . . .	1				
18	38N93	.. BODY, Cylinder . . . . .	1				
19	20Z770D9	.. SCREW, Set 5/16-18UNC x 3/8 in. . . . .	1				
20	39N105	.. PISTON . . . . .	1				
21	20N299	.. END, Rod . . . . .	1				
22	25Z520D21	.. BUSHING, Spherical . . . . .	1				
23	44Z1D10	.. FITTING, Lube. . . . .	1				
24	20J43	.. BEARING, Rod end. . . . .	1				
25	20N372	.. ROD . . . . .	1				

# BOOM ASSEMBLY

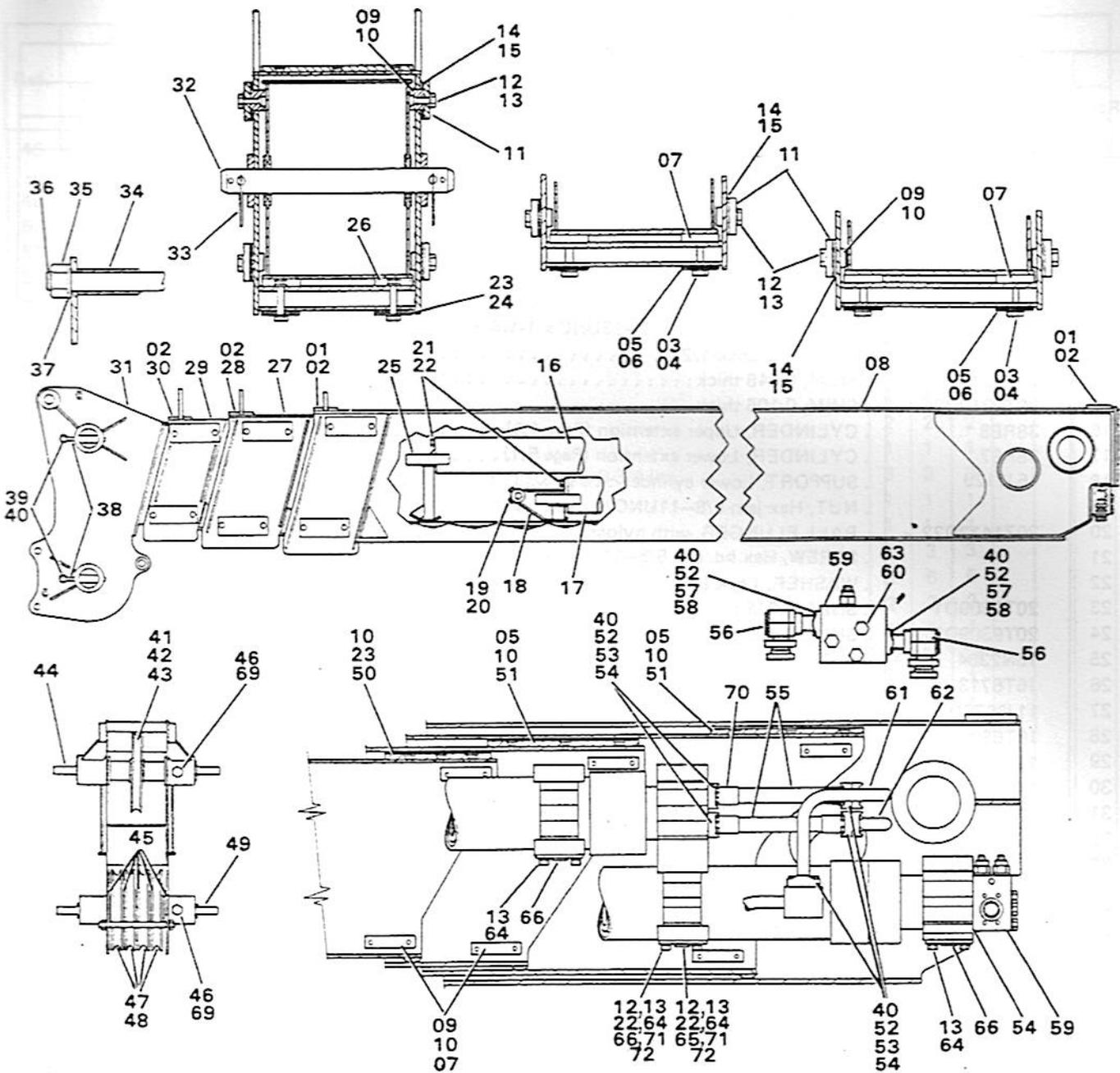




**BOOM ASSEMBLY (Continued)**

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			7	8	9	10	11	12
38	5Z368D5	. . BUSHING, Sheave . . . . .	1	1	1	1	1	1
-	44Z1D12	. . FITTING, Lube. . . . .	1	1	1	1	1	1
39	20T9327	. ROD, End - not shown . . . . .	1	1	1	1	1	1
40		. WASHER, Lock 3/8 in . . . . .	32	32	32	16	16	16
41		. SCREW, Hex hd. cap 3/8-16UNC x 1 in . . . . .	2	2	2	2	2	2
42	20Z646D540	. SCREW, Hex hd. cap 1/2-13UNC x 5-1/2 in . . . . .	2	2	2	2	2	2
43	19N60	. PIN, Main sheave, use w/jib . . . . .	-	1	-	-	1	-
44	19N44	. PIN, Idler sheave, use with or without jib . . . . .	-	1	2	-	1	2
44	19N46	. PIN, Sheave, use w/lattice boom extension . . . . .	2	-	-	2	-	-
45	19T6186	. PIN, Upper cylinder . . . . .	4	4	4	2	2	2
46		. SCREW, Hex hd. cap 5/8-11 x 11-1/2 in. . . . .	6	6	6	4	4	4
47	16T6715	. PAD, Slider . . . . .	4	4	4	4	4	4
48	45Z479D46	. O-RING . . . . .	8	8	8	4	4	4
49	44Q26D2	. FLANGE, Split . . . . .	12	12	12	-	-	-
50		. SCREW, Hex hd. cap 3/8-16UNC x 1-1/4 in. . . . .	32	32	32	16	16	16
51	44Q510D1	. HOSE ASSY. . . . .	2	2	2	-	-	-
52	44U68	. TUBE ASSY., Extend. . . . .	1	1	1	-	-	-
53	44U69	. TUBE ASSY., Retreat . . . . .	1	1	1	-	-	-
54	44Q596D2	. FITTING, Swivel. . . . .	2	2	2	2	2	2
55	44Q26D3	. FLANGE, Split . . . . .	4	4	4	4	4	4
56	45Z479D21	. O-RING . . . . .	2	2	2	2	2	2
57	36R37D1	. VALVE, Holding. . . . .	1	1	1	1	1	1
58		. SCREW, Hex hd. cap 1/2-13UNC x 3-3/4 in. . . . .	3	3	3	3	3	3
59		. WASHER, Hard flat 1/2 in. . . . .	3	3	3	3	3	3
60	14T1743	. PLATE, Cap . . . . .	-	-	-	2	2	2
61	19T6187	. PIN, Extend cylinders. . . . .	2	2	2	2	2	2
62	32U1269	. DECAL, Boom angle (not shown) . . . . .	1	1	1	1	1	1
63	20Z739D6	. NUT, Hex 1/2-13UNC . . . . .	4	4	4	4	4	4
-		. NUT, 5/16 in.-18 (not shown) . . . . .	1	1	1	1	1	1
-		. WASHER, 5/16 in. (not shown) . . . . .	1	1	1	1	1	1
64	18T12853	. PLATE . . . . .	6	6	6	4	4	4
65	18T14960	. PLATE, Keeper. . . . .	6	6	6	4	4	4

### BOOM ASSEMBLY



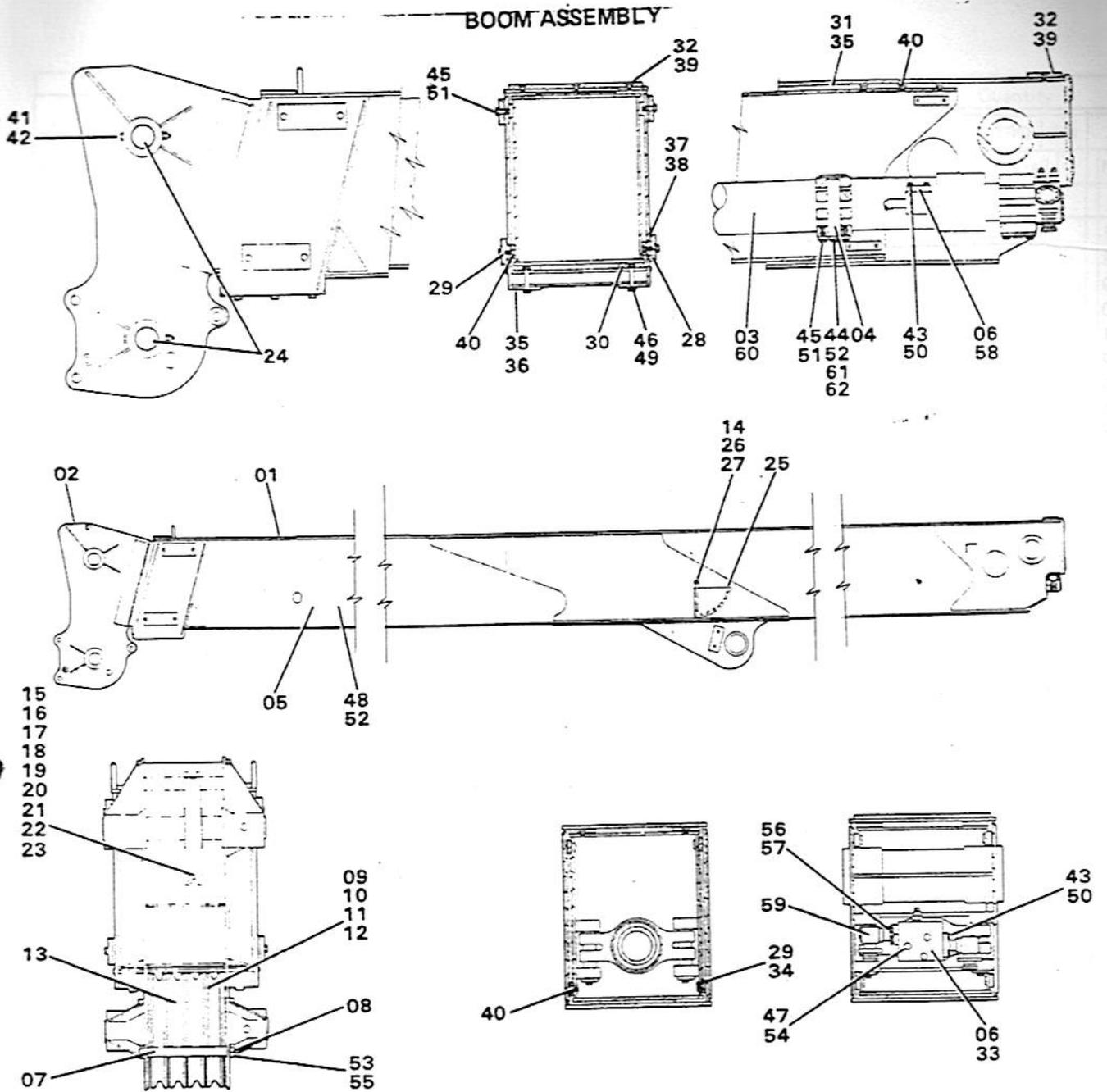
Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			4	5	6			
-	100X204-4	BOOM ASSEMBLY						
-	100X204-5	BOOM ASSEMBLY						
-	100X205-6	BOOM ASSEMBLY						
01	16T6807	. PAD, Slider	2	2	2			
02		. SCREW, Hex sock. fl. hd. 3/8-16UNC x 1/2 in.	12	12	12			
03		. SCREW, Hex hd. cap 1/2-13UNC x 2-3/4 in.	18	18	18			
04		. WASHER, Flat 1/2 in.	18	18	18			
05	20T9308D1	. SHIM, 0.048 thick	20	20	20			

**BOOM ASSEMBLY (Continued)**

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			4	5	6			
06	20T9308D2	. SHIM, 0.105 thick . . . . .	4	4	4			
07	16T6711	. PAD, Slider . . . . .	4	4	4			
08	11X91	. SECTION, Boom base . . . . .	1	1	1			
09	16T6108	. PAD, Slider . . . . .	24	24	24			
10		. SCREW, Hex sock. fl. hd. 3/8-16UNC x 3/4 in. . . . .	66	66	66			
11	16T6107	. CARRIER, Slider pad. . . . .	12	12	12			
12		. SCREW, Hex hd. cap 1/2-13UNC x 1-1/4 in. . . . .	36	36	36			
13		. WASHER, Lock 1/2 in. . . . .	36	36	36			
14	20T9310D1	. SHIM, 0.048 thick . . . . .	48	48	48			
15	20T9310D2	. SHIM, 0.105 thick . . . . .	12	12	12			
16	38R88	. CYLINDER, Upper extension (Page 4.1) . . . . .	1	1	1			
17	38R87	. CYLINDER, Lower extension (Page 5.1) . . . . .	1	1	1			
18	16J1129	. SUPPORT, Lower cylinder . . . . .	1	1	1			
19		. NUT, Hex jam 5/8-11UNC. . . . .	2	2	2			
20	20Z1412D22	. BALL PLUNGER, with nylock . . . . .	2	2	2			
21		. SCREW, Hex hd. cap 5/8-11UNC x 1-1/4 in. . . . .	6	6	6			
22		. WASHER, Lock 5/8 in. . . . .	12	12	12			
23	20T9309D1	. SHIM, 0.048 thick . . . . .	10	10	10			
24	20T9309D2	. SHIM, 0.105 thick . . . . .	2	2	2			
25	16N2364	. SUPPORT, Upper cylinder . . . . .	1	1	1			
26	16T6713	. PAD, Slider . . . . .	2	2	2			
27	11J3077D1	. SECTION, #1 boom . . . . .	1	1	1			
28	16T6806	. PAD, Slider . . . . .	1	1	1			
29	11J3078	. SECTION, #2 boom. . . . .	1	1	1			
30	16T6719	. PAD, Slider . . . . .	1	1	1			
31	11J3036	. SECTION, #3 boom. . . . .	1	1	1			
32	19P621	. PIN, Manual anchor . . . . .	1	1	1			
33	19Z286D3	. PIN, Snapper . . . . .	2	2	2			
34	18P933D292	. SPACER, Pipe. . . . .	2	2	2			
35		. NUT, Hex 3/4-10UNC. . . . .	4	4	4			
36	20H1573D7	. BOLT, Rod 3/4-10UNC . . . . .	2	2	2			
37		. WASHER, Lock 3/4 in. . . . .	4	4	4			
38	20T9327	. ROD, End . . . . .	1	1	1			
39		. SCREW, Hex hd. cap 3/8-16UNC x 1 in. . . . .	2	2	2			
40		. WASHER, Lock 3/8 in. . . . .	34	34	34			
-	907P13F1	. SHEAVE ASSY., Idler . . . . .	1	1	1			
41	44Z1D28	. . FITTING, Lube. . . . .	1	1	1			
42		. . SHEAVE . . . . .	1	1	1			
43	5Z368D5	. . BUSHING, Sheave . . . . .	1	1	1			
-	18P6134	. . FLANGE . . . . .	1	1	1			
-	18P4664	. . FLANGE . . . . .	1	1	1			
-	0620V506	. . SCREW, Hex soc. fl. hd. cap 1/4"-20UNC x 2-1/2". . . . .	6	6	6			
-	18Z1732D12	. . WASHER, Lock 1/4 conical serrated . . . . .	6	6	6			
-	0680V022	. . SCREW, Soc. hd. set 1/4"-20UNC . . . . .	2	2	2			
44	19N46	. PIN, Sheave, use w/lattice boom extension. . . . .	2	-	-			
44	19N44	. PIN, Sheave, use with or without jib . . . . .	-	1	2			
45	18Z2731	. SPACER, Sheave . . . . .	5	5	5			
46	20Z646D540	. SCREW, Hex hd. cap 1/2-13UNC x 5-1/2 in . . . . .	2	2	2			
-	907P13F2	. SHEAVE ASSY., Main . . . . .	4	4	4			
47		. . SHEAVE . . . . .	1	1	1			

## BOOM ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			4	5	6			
48	5Z368D5	. . BUSHING, Sheave . . . . .	1	1	1			
—	44Z1D12	. . FITTING, Lube. . . . .	1	1	1			
49	19N60	. PIN, Main sheave, use w/jib . . . . .	—	1	—			
50	16T6714	. PAD, Slider . . . . .	2	2	2			
51	16T6715	. PAD, Slider . . . . .	4	4	4			
52		. SCREW, Hex hd. cap 3/8—16UNC x 1-1/4 in. . . . .	32	32	32			
53	44Q26D2	. FLANGE, Split . . . . .	12	12	12			
54	45Z479D46	. O-RING . . . . .	8	8	8			
55	44Q510 D1	. HOSE ASSY. . . . .	2	2	2			
56	44Q596D2	. FITTING, Swivel joint . . . . .	2	2	2			
57	44Q26D3	. FLANGE, Split . . . . .	4	4	4			
58	45Z479D21	. O-RING . . . . .	2	2	2			
59	36R37D1	. VALVE, Holding. . . . .	1	1	1			
60		. SCREW, Hex hd. cap 1/2—13UNC x 3-3/4 in. . . . .	3	3	3			
61	44U68	. TUBE ASSY., Extend. . . . .	1	1	1			
62	44U69	. TUBE ASSY., Retract . . . . .	1	1	1			
63		. WASHER, Hard flat 1/2 in. . . . .	3	3	3			
64		. SCREW, Hex hd. cap 5/8 in.—11 x 2-1/2 in. . . . .	6	6	6			
65	19T6187	. PIN, Extend cylinder . . . . .	2	2	2			
66	19T6186	. PIN, Extend cylinder . . . . .	4	4	4			
67	20T8486D1	. SHIM, 0.030 thick . . . . .	12	12	12			
68	32U1269	. DECAL, Boom angle (not shown). . . . .	1	1	1			
69	20Z739D6	. NUT, Hex 1/2—13UNC. . . . .	4	4	4			
70	100J5032-1	. BRACKET . . . . .	1	1	1			
71	18T14960	. PLATE, Keeper. . . . .	6	6	6			
72	18T12853	. PLATE . . . . .	6	6	6			



Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
			2	3
—	100X200-2	BOOM ASSEMBLY	1	1
—	100X200-3	BOOM ASSEMBLY — FIRE RESISTANT FLUID	1	1
01	11X91	. SECTION, Boom base	1	1
02	11J2946	. SECTION, #1 complete	1	1
03	38R87	. CYLINDER, Lower extend (Page 5.1)	1	—
04	19T6186	. PIN, Extend cyl.	4	4
05	16N2511	. GUIDE, Extend cyl.	1	1
06	45Z479D46	. O-RING	4	4

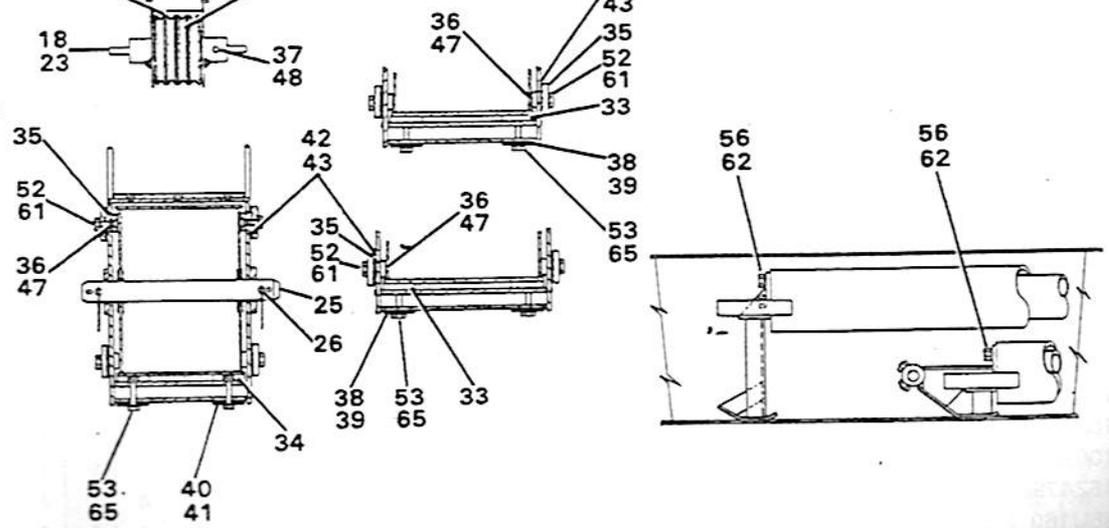
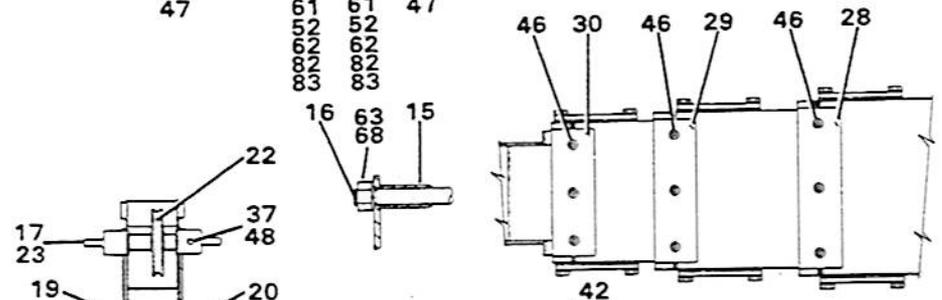
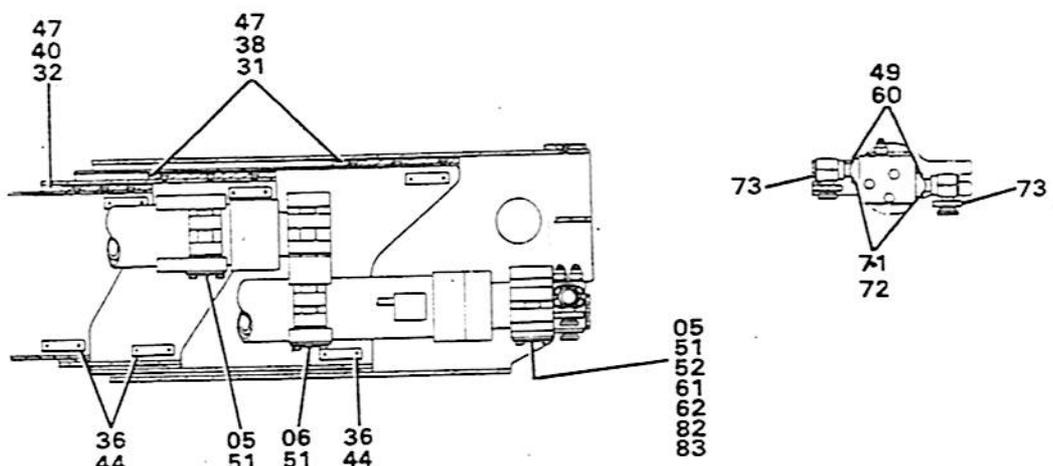
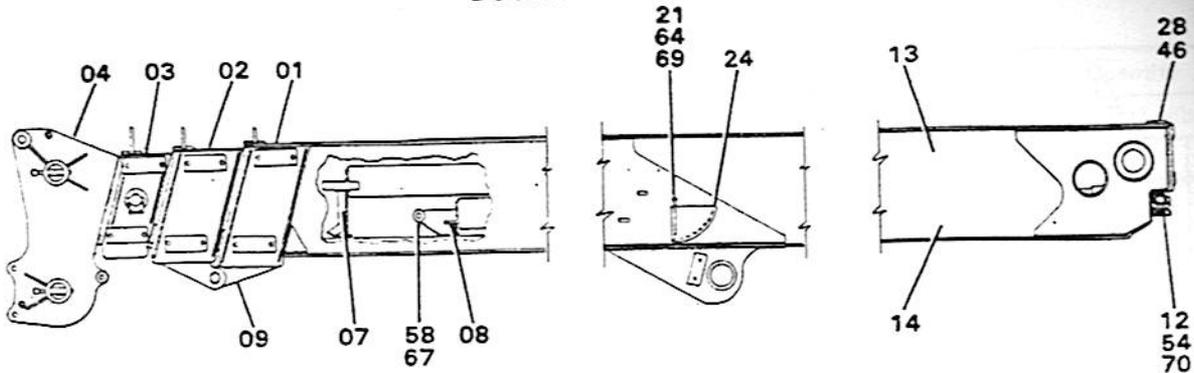
### BOOM ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			2	3				
07	18P933D292	. SPACER, Pipe. . . . .	2	2				
08	20H1573D45	. BOLT, Rod . . . . .	2	2				
09	907P13F2	. SHEAVE ASSEMBLY, Main . . . . .	4	4				
10		.. SHEAVE, Main . . . . .	1	1				
11	5Z368D5	.. BUSHING . . . . .	1	1				
12	44Z1D12	.. FITTING, Lube. . . . .	1	1				
13	18Z2731	. SPACER, Sheave. . . . .	5	5				
14	20T9327	. ROD, End . . . . .	1	1				
15	907P13F1	. SHEAVE ASSEMBLY, Idler . . . . .	1	1				
16		.. SHEAVE, Idler . . . . .	1	1				
17	5Z368D5	.. BUSHING . . . . .	1	1				
18	18P6134	.. FLANGE . . . . .	1	1				
19	18P4664	.. FLANGE . . . . .	1	1				
20	0620V506	.. SCREW, Soc. fl. hd. cap 1/4 in.—20UNC . . . . .	6	6				
21	18Z1732D12	.. WASHER, Lock 1/4 conical (serrated) . . . . .	6	6				
22	0680V022	.. SCREW, Soc. hd. set 1/4—20UNC. . . . .	2	2				
23	44Z1D28	.. FITTING, Lube. . . . .	1	1				
24	19N44	. PIN—SHEAVE, Idler . . . . .	2	2				
25	32U1269	. DECAL, Boom angle . . . . .	1	1				
26		. NUT, 5/16 in.—18. . . . .	1	1				
27		. WASHER, 5/16 in.. . . . .	1	1				
28	16T6107	. PAD, Slider — carrier . . . . .	4	4				
29	16T6108	. PAD, Slider . . . . .	8	8				
30	16T6711	. PAD, Slider . . . . .	2	2				
31	16T6715	. PAD, Slider . . . . .	2	2				
32	16T6807	. PAD, Slider . . . . .	2	2				
33	36R37D1	. VALVE, Holding. . . . .	1	1				
34	20T8486D1	. SHIM, .030 thick. . . . .	4	4				
35	20T9308D1	. SHIM, .048 thick. . . . .	10	10				
36	20T9308D2	. SHIM, .105 thick. . . . .	2	2				
37	20T9310D1	. SHIM, .048 thick. . . . .	16	16				
38	20T9310D2	. SHIM, .105 thick. . . . .	4	4				
39	0620V023	. SCREW, Steel hex cap 3/8 in.—16 x 3/4 in. lg. . . . .	6	6				
40	0620V021	. SCREW, Steel hex cap 3/8 in.—16 x 1/2 in. lg. . . . .	22	22				
41	20Z739D6	. NUT, Hex 1/2 in.—13UNC . . . . .	4	4				
42	20Z646D540	. SCREW, Hex hd. cap 1/2 in.—13 c 5-1/2 in. lg. . . . .	2	2				
43	20Z646D48	. SCREW, Hex hd. cap 3/8 in.—16 x 1-1/4 in. lg. . . . .	16	16				
44	20Z646D94	. SCREW, Hex hd. cap 5/8 in.—11 x 1.50. . . . .	4	4				
45	20Z646D75	. SCREW, Hex hd. cap 1/2 in.—13 x 1-1/4 in. lg. . . . .	16	16				
46	20Z646D81	. SCREW, Hex hd. cap 1/2 in.—13 x 2-3/4 in. lg. . . . .	6	6				
47	20Z646D85	. SCREW, Hex hd. cap 1/2 in.—13 x 3-3/4 in. lg. . . . .	3	3				
48	20Z646D93	. SCREW, Hex hd. cap 5/8 in.—11 x 1-1/4 in. lg. . . . .	3	3				
49		. WASHER, Flat 1/2 in. . . . .	6	6				
50		. WASHER, Lock 3/8 in.. . . . .	16	16				
51		. WASHER, Lock 1/2 in.. . . . .	16	16				
52		. WASHER, Lock 5/8 in.. . . . .	7	7				
53		. WASHER, Lock 3/4 in.. . . . .	4	4				
54	18Z694D6	. WASHER, Flat hrdsn. 1/2 in. . . . .	3	3				
55		. NUT, Hex 3/4 in.—10. . . . .	4	4				
56	45Z479D21	. O-RING. . . . .	2	2				

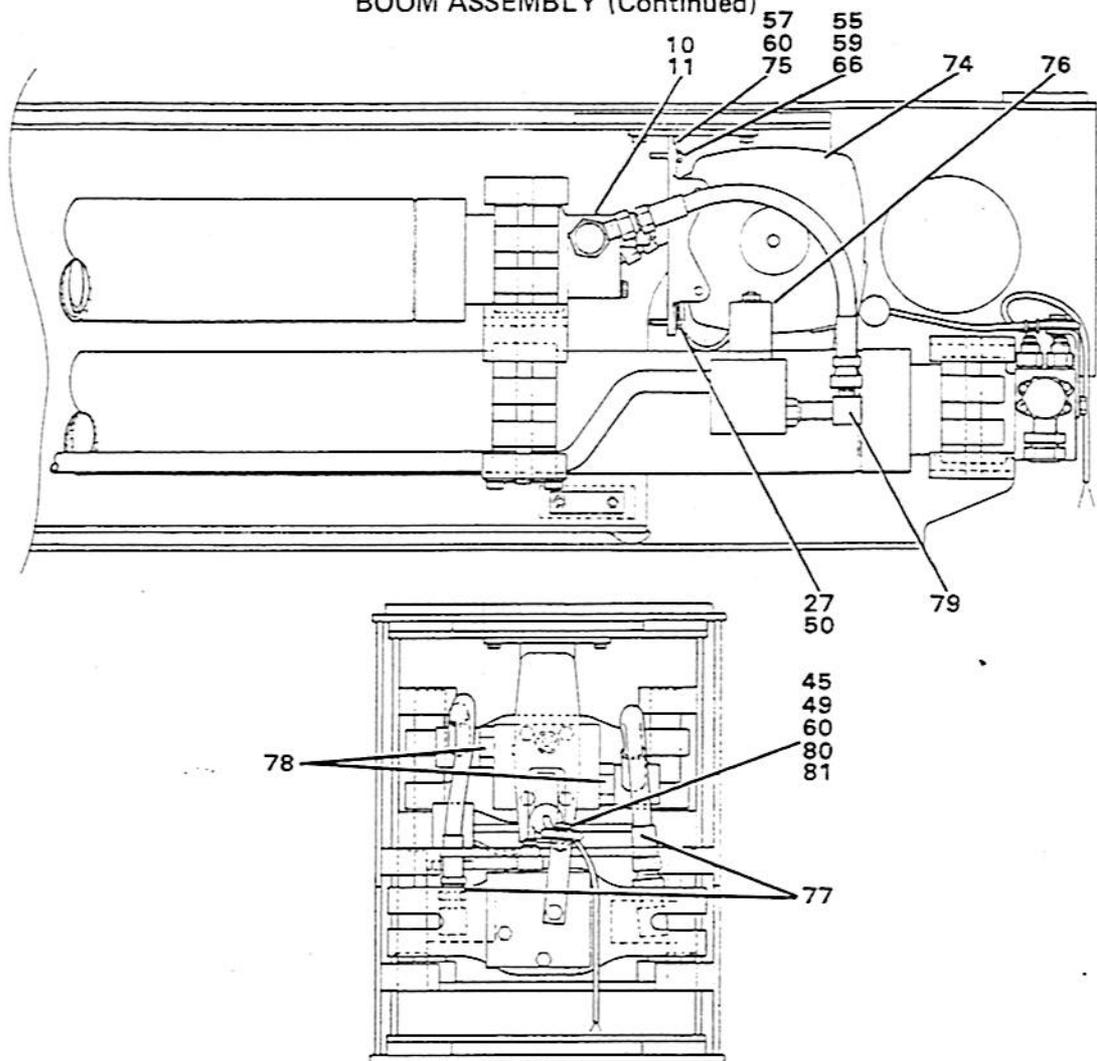
**BOOM ASSEMBLY (Continued)**

Ref.	<div style="border: 1px solid black; display: inline-block; padding: 2px;">OPTION</div> Part Number	Description	Quantity			
			Figure Number			
			2	3		
57	44Q26D3	. FLANGE, Split half 1 in. ....	4	4		
58	14T1743	. CAP .....	2	2		
59	44Z596D2	. SWIVEL JOINT, Split flange .....	2	2		
60	38R100	. CYLINDER, Lower extend (Page 5.3) .....	-	1		
61	18T14960	. PLATE, Keeper .....	4	4		
62	18T12853	. PLATE .....	4	4		

BOOM ASSEMBLY



BOOM ASSEMBLY (Continued)



Ref.	OPTION Part Number	Description	Quantity		
			Figure Number		
			1	2	3
—	100X208-1	BOOM ASSEMBLY FOR 22 FT. LATTICE JIB	↓		
—	100X208-2	BOOM ASSEMBLY FOR "A" FRAME JIB		↓	
—	100X208-3	BOOM ASSEMBLY WITHOUT JIB			↓
01	11X91	. SECTION, Base — boom . . . . .	1	1	1
02	11P1918	. SECTION, #1 boom. . . . .	1	1	1
03	11J3078	. SECTION, #2 boom. . . . .	1	1	1
04	11J3036	. SECTION, #3 complete . . . . .	1	1	1
05	19T6186	. PIN, Ext. cyl. . . . .	4	4	4
06	19T6187	. PIN, Ext. cyl. . . . .	2	2	2
07	16N2364	. SUPPORT, Upper ext. cyl. . . . .	1	1	1
08	16J1129	. SUPPORT, Lower ext. cyl. . . . .	1	1	1
09	100J5032F1	. BRACKET INSTALL. . . . .	1	1	1
10	45Z479D46	. O-RING. . . . .	4	4	4
11	36U160	. VALVE, Holding. . . . .	1	1	1
12	36R37D1	. VALVE, Holding. . . . .	1	1	1

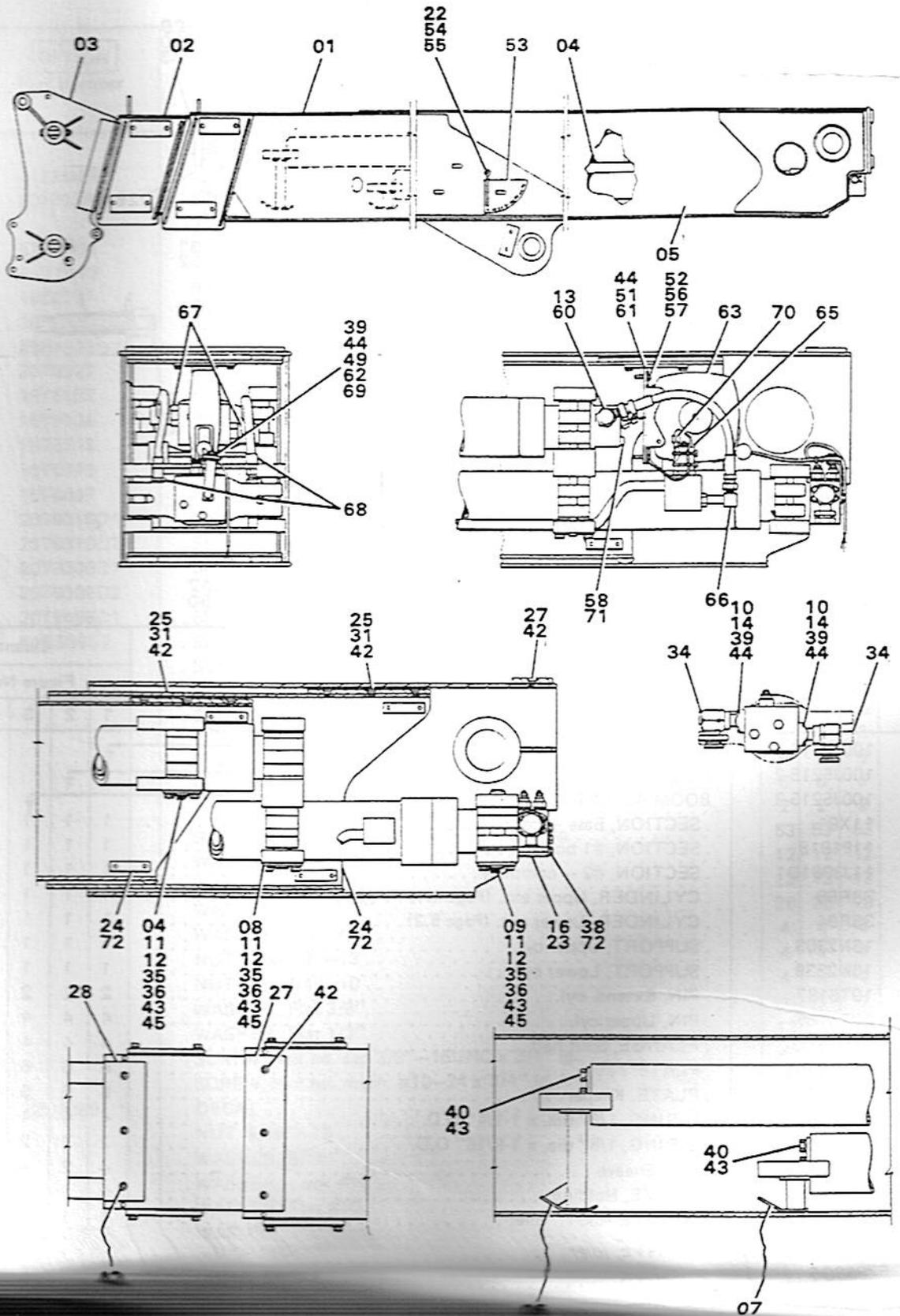
**BOOM ASSEMBLY (Continued)**

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			1	2	3			
13	38R88	. CYLINDER, Upper ext. (Page 4.1) . . . . .	1	1	1			
14	38R94	. CYLINDER, Lower ext. (Page 5.2) . . . . .	1	1	1			
15	18P933D292	. SPACER, Pipe. . . . .	2	2	2			
16	20H1573D7	. BOLT, Rod . . . . .	2	2	2			
17	19N44	. PIN, Sheave . . . . .	-	1	2			
18	19N60	. PIN, Sheave - main . . . . .	-	1	-			
19	907P13F2	. SHEAVE ASSY., Main . . . . .	4	4	4			
-		. . SHEAVE, Main . . . . .	1	1	1			
-	5Z368D5	. . BUSHING . . . . .	1	1	1			
-	44Z1D12	. . FITTING, Lube. . . . .	1	1	1			
20	18Z2731	. SPACER, Sheave. . . . .	5	5	5			
21	20T9327	. END, Rod . . . . .	1	1	1			
22	907P13F1	. SHEAVE ASSY., Idler . . . . .	1	1	1			
-		. . SHEAVE, Idler . . . . .	1	1	1			
-	5Z368D5	. . BUSHING . . . . .	1	1	1			
-	18P6134	. . FLANGE . . . . .	1	1	1			
-	18P4664	. . FLANGE . . . . .	1	1	1			
-	0620V506	. . SCREW, Hex soc. fl. hd. cap 1/4 in. -20UNC x 2-1/2 in. lg. . . .	6	6	6			
-	18Z1732D12	. . WASHER, Lock 1/4 conical serrated . . . . .	6	6	6			
-	0680V022	. . SCREW, Soc. hd. set 1/4 in. -20UNC . . . . .	6	6	6			
-	44Z1D12	. . FITTING, Lube. . . . .	1	1	1			
23	19N46	. PIN, Sheave - idler . . . . .	2	-	-			
24	32U1269	. DECAL . . . . .	1	1	1			
25	19P621	. PIN, Manual anchor . . . . .	1	1	1			
26	19Z286D3	. PIN, Snapper . . . . .	2	2	2			
27	18Z694D5	. WASHER, Flat hard. . . . .	4	4	4			
28	16T6807	. PAD, Slider . . . . .	2	2	2			
29	16T6806	. PAD, Slider . . . . .	1	1	1			
30	16T6719	. PAD, Slider . . . . .	1	1	1			
31	16T6715	. PAD, Slider . . . . .	4	4	4			
32	16T6714	. PAD, Slider . . . . .	2	2	2			
33	16T6711	. PAD, Slider . . . . .	4	4	4			
34	16T6713	. PAD, Slider . . . . .	2	2	2			
35	16T6107	. CARRIER, Slider pad. . . . .	12	12	12			
36	16T6108	. PAD, Slider . . . . .	24	24	24			
37		. NUT, Hex 1/2 in. -13 . . . . .	4	4	4			
38	20T9308D1	. SHIM .048 . . . . .	20	20	20			
39	20T9308D2	. SHIM .105 . . . . .	4	4	4			
40	20T9309D1	. SHIM .048 . . . . .	10	10	10			
41	20T9309D2	. SHIM .105 . . . . .	2	2	2			
42	20T9310D1	. SHIM .048 . . . . .	48	48	48			
43	20T9310D2	. SHIM .105 . . . . .	12	12	12			
44	20T8486D1	. SHIM .030 . . . . .	12	12	12			
45		. WASHER, Flat 3/8 in. . . . .	1	1	1			
46		. SCREW, H.S. F.H. 3/8 in. -16 x 1/2 in. lg. . . . .	12	12	12			
47		. SCREW, H.S. F.H. 3/8 in. -16 x 3/4 in. lg. . . . .	66	66	66			
48		. SCREW, Hex hd. cap 1/2 in. -13 x 5-1/2 in. lg. . . . .	2	2	2			
49		. SCREW, Hex hd. cap 3/8 in. -16 x 1-1/4 in. lg. . . . .	9	9	9			
50		. SCREW, H.S. H.C. 3/8 in. -16 x 3-1/4 in. lg. . . . .	4	4	4			
51		. SCREW, Hex hd. cap 5/8 in. -11 x 1.50 . . . . .	6	6	6			

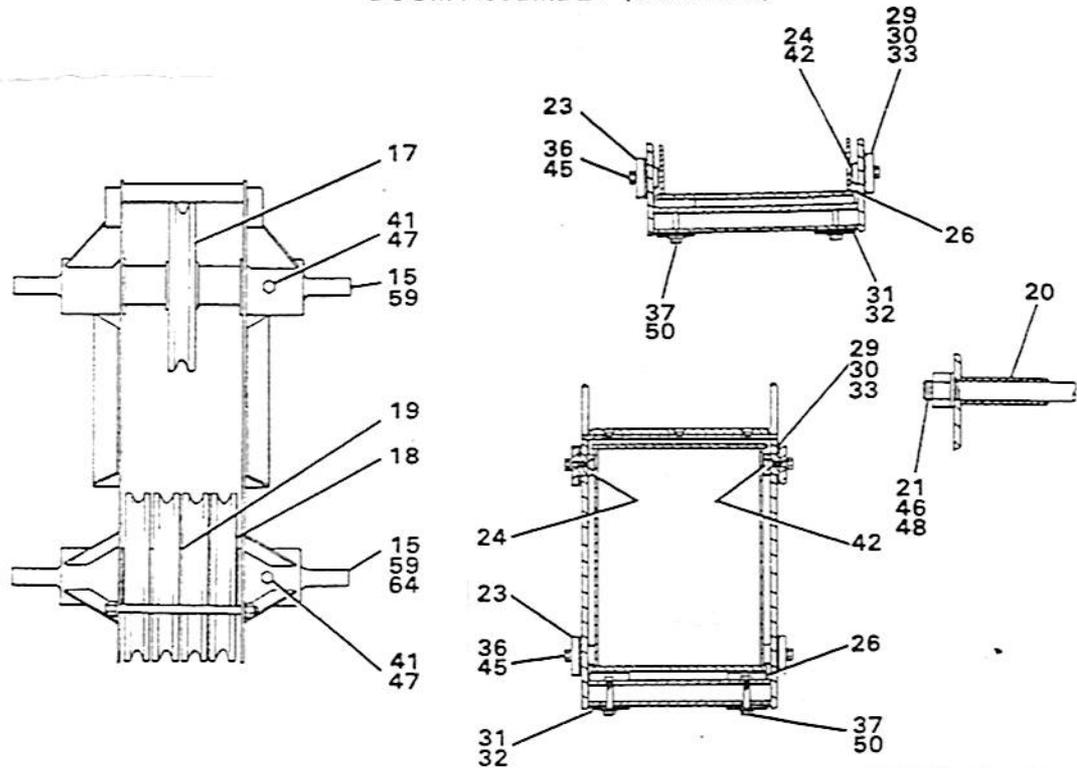
**BOOM ASSEMBLY (Continued)**

Ref.	OPTION Part Number	Description	Quantity		
			Figure Number		
			1	2	3
52	20Z1412D22	. SCREW, Hex hd. cap 1/2 in. -13 x 1-1/4 in. lg. ....	36	36	36
53		. SCREW, Hex hd. cap 1/2 in. -13 x 2-3/4 in. lg. ....	18	18	18
54		. SCREW, Hex hd. cap 1/2 in. -13 x 3-3/4 in. lg. ....	3	3	3
55		. SCREW, Hex hd. mach. 10-24 x 3/4 in. lg. ....	4	4	4
56		. SCREW, Hex hd. cap 5/8 in. -11 x 1-1/4 in. lg. ....	6	6	6
57		. SCREW, Hex hd. cap 3/8 in. -16 x 3/4 in. lg. ....	4	4	4
58		. PLUNGER, Ball w/nylock. ....	2	2	2
59		. WASHER, Lock #10 ....	4	4	4
60		. WASHER, Lock 3/8 in. ....	13	13	13
61		. WASHER, Lock 1/2 in. ....	36	36	36
62		. WASHER, Lock 5/8 in. ....	12	12	12
63		. WASHER, Lock 3/4 in. ....	4	4	4
64		. WASHER, Flat 5/16 in. ....	1	1	1
65		. WASHER, Flat 1/2 in. ....	18	18	18
66		. WASHER, Flat #10 ....	4	4	4
67		. NUT, Hex jam 5/8 in. -11 ....	2	2	2
68		. NUT, Hex 3/4 in. -10 ....	4	4	4
69		. NUT, Hex 5/16 in. -18 ....	1	1	1
70		. WASHER, Flat hard. ....	3	3	3
71		45Z479D21	. O-RING. ....	2	2
72	44Q26D3	. FLANGE, Split half. ....	4	4	4
73	44Q596D2	. JOINT, Swivel split flange. ....	2	2	2
74	86Z100	. REEL, Electric (Page 17.1) ....	1	1	1
75	16P5350	. BRACKET, Mtg. ....	1	1	1
76	36Z1148	. VALVE, Solenoid. ....	1	1	1
77	44Q614D1	. HOSE ASSY. ....	2	2	2
78	44Z1435D4	. SWIVEL, Elbow 90° ....	2	2	2
79	44Z1390D5	. SWIVEL, Elbow 90° ....	2	2	2
80	7Z356	. SPOOL, Wire ....	1	1	1
81	16T7432	. BRACKET. ....	1	1	1
82	18T12853	. PLATE. ....	6	6	6
83	18T14960	. PLATE, Keeper. ....	6	6	6

# BOOM ASSEMBLY



BOOM ASSEMBLY (Continued)



Ref.	OPTION Part Number	Description	Quantity		
			Figure Number		
			1	2	3
-	100J5215-1	BOOM ASSEMBLY			
-	100J5215-2	BOOM ASSEMBLY			
-	100J5215-3	BOOM ASSEMBLY			
01	11X91	. SECTION, Base - boom	1	1	1
02	11P1918	. SECTION, #1 boom	1	1	1
03	11J3081D1	. SECTION, #2 - complete	1	1	1
04	38R88	. CYLINDER, Upper ext. (Page 4.1)	1	1	1
05	38R94	. CYLINDER, Lower ext. (Page 5.2)	1	1	1
06	16N2363	. SUPPORT, Upper cyl.	1	1	1
07	16N2339	. SUPPORT, Lower cyl.	1	1	1
08	19T6187	. PIN, Extend. cyl.	2	2	2
09	19T6186	. PIN, Upper cyl.	4	4	4
10	44Q26D3	. FLANGE, Split half	4	4	4
11	18T12853	. PLATE	6	6	6
12	18T14960	. PLATE, Keeper	6	6	6
13	45Z479D46	. O-RING, 1/8" dia. x 1-1/4" O.D.	4	4	4
14	45Z479D21	. O-RING, 1/8" dia. x 1-9/16" O.D.	2	2	2
15	19N46	. PIN, Sheave	-	2	-
16	36R37D1	. VALVE, Holding	1	1	1
17	907P13F1	. SHEAVE ASSY., Idler	1	1	1
-		. SHEAVE, Idler	1	1	1
-	5Z368D5	. BUSHING	1	1	1
-	18P6134	. FLANGE	1	1	1
-	18P4664	. FLANGE	1	1	1
-		. SCREW, Hex. soc. fl. hd. 1/4"-20UNC x 2-1/2" lg.	6	6	6
-	18Z1732D12	. WASHER, Lock 1/4" conical-serrated	6	6	6

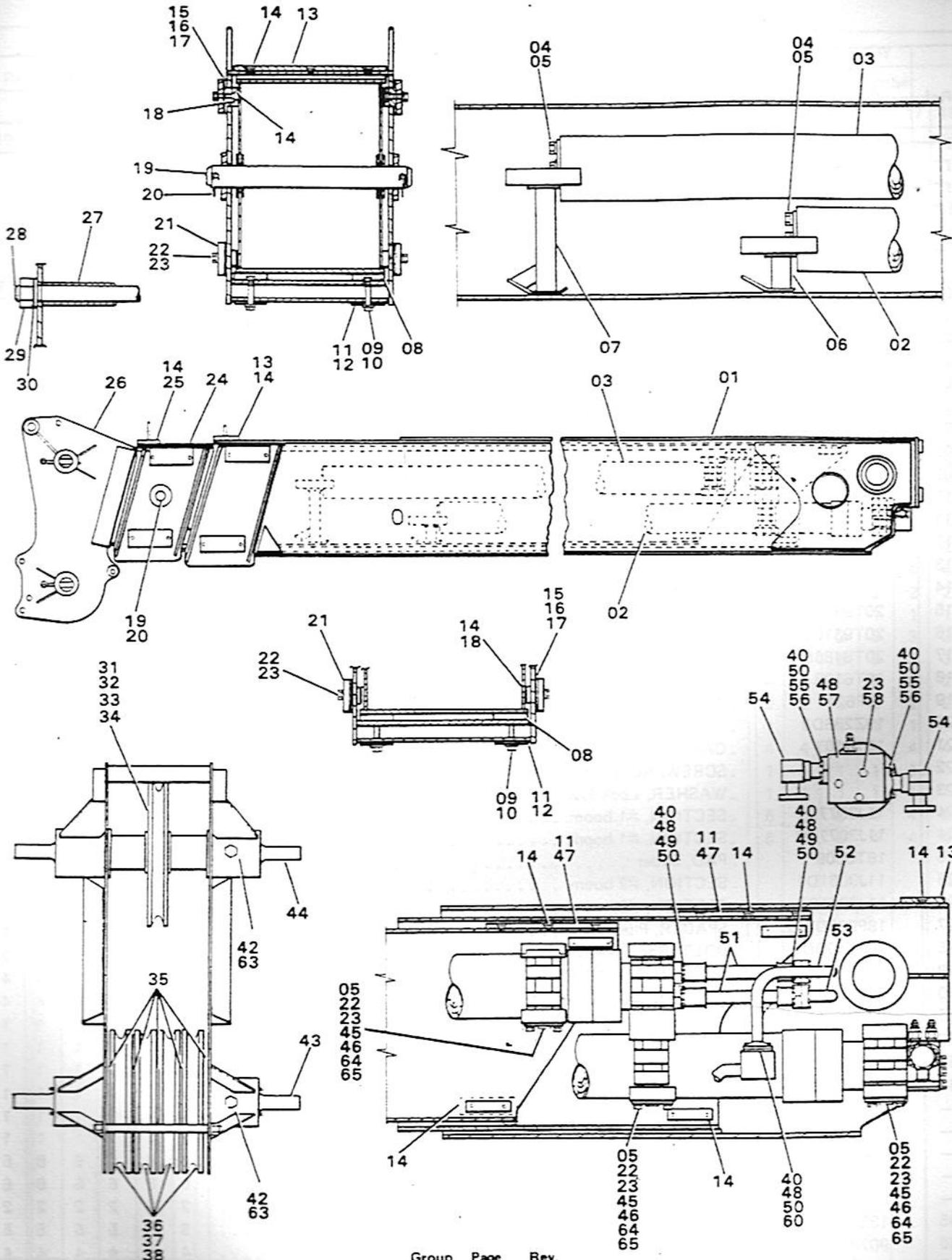
BOOM ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			1	2	3		
-		.. SCREW, Soc. hd. set 1/4"-20UNC . . . . .	2	2	2		
-	44Z1D28	.. FITTING, Lube 45° . . . . .	1	1	1		
18	907P13F2	.. SHEAVE ASSY., Main . . . . .	4	4	4		
-		.. SHEAVE, Main . . . . .	1	1	1		
-	5Z368D5	.. BUSHING . . . . .	1	1	1		
-	44Z1D12	.. FITTING, Lube 90° . . . . .	1	1	1		
19	18Z2731	.. SPACER, Sheave . . . . .	5	5	5		
20	18P933D292	.. SPACER, Pipe . . . . .	2	2	2		
21	20H1573D7	.. BOLT, Rod . . . . .	2	2	2		
22	20T9327	.. END, Rod . . . . .	1	1	1		
23	16T6107	.. PAD, Slider - carrier . . . . .	8	8	8		
24	16T6108	.. PAD, Slider - collar & rear sides. . . . .	16	16	16		
25	16T6715	.. PAD, Slider - upper rear Sec. 1 & 2 . . . . .	4	4	4		
26	16T6711	.. PAD, Slider - lower frt. base - Sec. 1 . . . . .	4	4	4		
27	16T6807	.. PAD, Slider - base for wire rope . . . . .	2	2	2		
29	20T9310D1	.. SHIM, .048. . . . .	32	32	32		
30	20T9310D2	.. SHIM, .105. . . . .	8	8	8		
31	20T9308D1	.. SHIM, .048. . . . .	20	20	20		
32	20T9308D2	.. SHIM, .105. . . . .	8	8	8		
33	20T8486D1	.. SHIM, .030. . . . .	8	8	8		
34	44Q596D2	.. SWIVEL . . . . .	2	2	2		
35		.. SCREW, Hex hd. cap 5/8"-11 x 1-1/2" lg. . . . .	6	6	6		
36		.. SCREW, Hex hd. cap 1/2"-13 x 1-1/4" lg. . . . .	28	28	28		
37		.. SCREW, Hex hd. cap 1/2"-13 x 2-3/4" lg. . . . .	12	12	12		
38		.. SCREW, Hex hd. cap 1/2"-13 x 3-3/4" lg. . . . .	3	3	3		
39		.. SCREW, Hex hd. cap 3/8"-16 x 1-1/4" lg. . . . .	9	9	9		
40		.. SCREW, Hex hd. cap 5/8"-11 x 1-1/4" lg. . . . .	6	6	6		
41		.. SCREW, Hex hd. cap 1/2"-13 x 5-1/2" lg. . . . .	2	2	2		
42		.. SCREW, Hex soc. flat hd. 3/8"-16 x 3/4" lg. . . . .	53	53	53		
43		.. WASHER, Lock 5/8" . . . . .	12	12	12		
44		.. WASHER, Lock 3/8" . . . . .	13	13	13		
45		.. WASHER, Lock 1/2" . . . . .	28	28	28		
46		.. WASHER, Lock 3/4" . . . . .	4	4	4		
47		.. NUT, Hex 1/2"-13 . . . . .	4	4	4		
48		.. NUT, Hex 3/4"-10 . . . . .	4	4	4		
49		.. WASHER, Flat 3/8" . . . . .	1	1	1		
50		.. WASHER, Flat 1/2" . . . . .	12	12	12		
51		.. SCREW, Hex hd. cap 3/8"-16UNC x 3/4" lg. . . . .	4	4	4		
52		.. SCREW, Hex hd. mach. #10-24 x 3/4" lg. . . . .	4	4	4		
53	32U1269	.. DECAL . . . . .	1	1	1		
54		.. NUT, 5/16"-18 . . . . .	1	1	1		
55		.. WASHER, 5/16" . . . . .	1	1	1		
56		.. WASHER, Lock #10 . . . . .	4	4	4		
57		.. WASHER, Flat #10 . . . . .	4	4	4		
58	18Z694D5	.. WASHER, Flat hard. . . . .	4	4	4		
59	19N44	.. PIN, Sheave . . . . .	1	-	2		
60	36U160	.. VALVE, Holding. . . . .	1	1	1		
61	16P5350	.. BRACKET, Mtg. . . . .	1	1	1		
62	16T7432	.. BRACKET . . . . .	1	1	1		
63	85Z100	.. REEL, Electric (Page 17.11) . . . . .	1	1	1		

BOOM ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			1	2	3			
64	19N60	. PIN, Sheave, main . . . . .	1	-	-			
65	36Z1148	. VALVE, Solenoid . . . . .	1	1	1			
66	44Z1390D5	. SWIVEL, Elbow 90° . . . . .	2	2	2			
67	44Z1435D4	. SWIVEL, Elbow 90° . . . . .	2	2	2			
68	44Q614D1	. HOSE ASSY. . . . .	2	2	2			
69	7Z356	. SHEAVE . . . . .	1	1	1			
70	79Z703D16	. CONNECTOR, Butt. . . . .	2	2	2			
71		. SCREW, Hex hd. cap 3/8"-16UNC x 3-1/4" lg. . . . .	4	4	4			
72	18Z694D6	. WASHER, Flat hard. 1/2". . . . .	3	3	3			

# BOOM ASSEMBLY

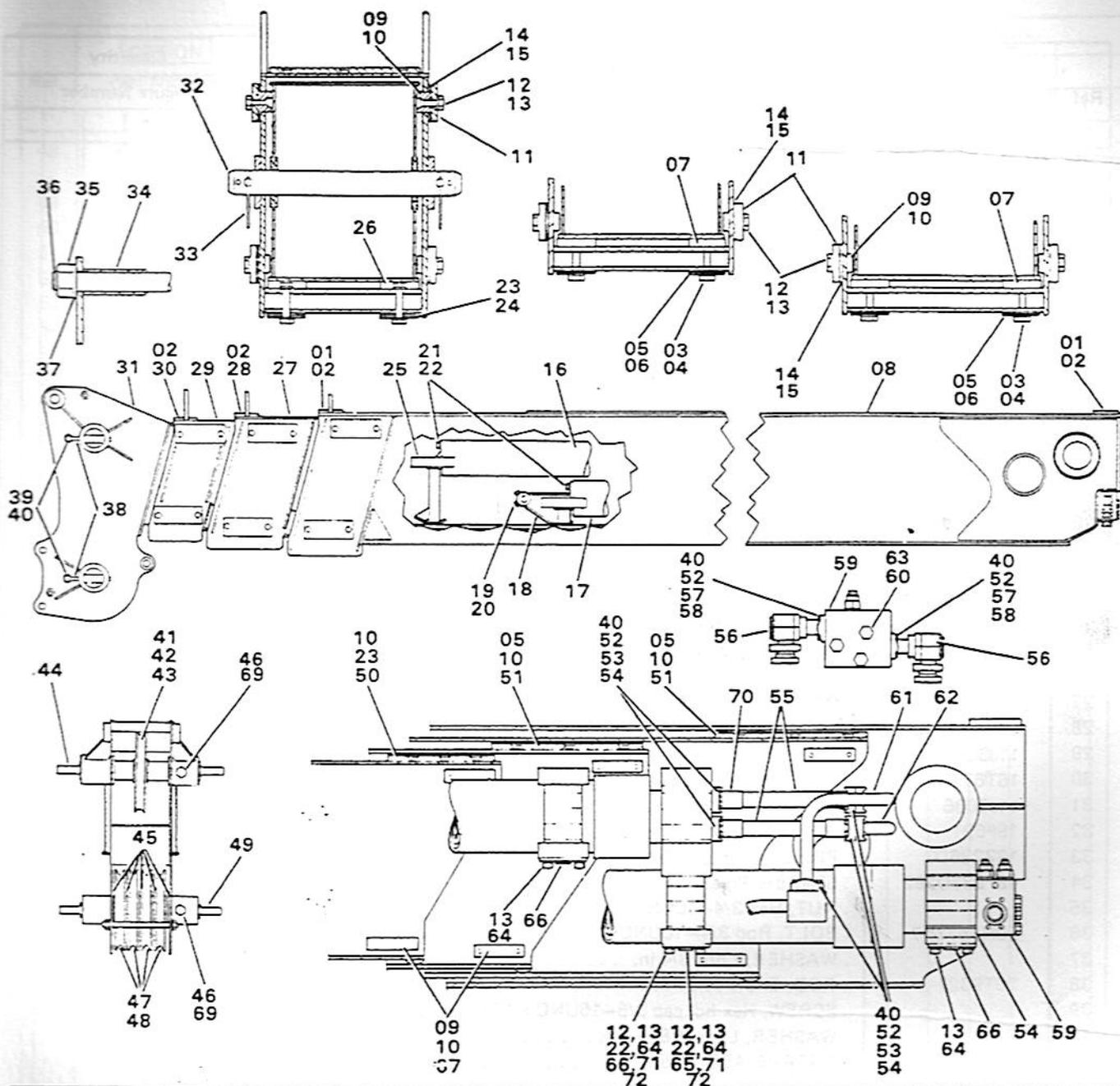




**BOOM ASSEMBLY (Continued)**

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			13	14	15	16	17	18
38	5Z368D5	. . BUSHING, Sheave . . . . .	1	1	1	1	1	1
-	44Z1D12	. . FITTING, Lube. . . . .	1	1	1	1	1	1
39	20T93Z7	. ROD, End (not shown) . . . . .	1	1	1	1	1	1
40		. WASHER, Lock 3/8 in. . . . .	32	32	32	16	16	16
41		. SCREW, Hex hd. cap 3/8-16UNC x 1 in. . . . .	2	2	2	2	2	2
42	20Z646D540	. SCREW, Hex hd. cap 1/2-13UNC x 5-1/2 in. . . . .	2	2	2	2	2	2
43	19N60	. PIN, Main sheave, use w/jib. . . . .	-	1	-	-	1	-
44	19N44	. PIN, Idler sheave, use with or without jib. . . . .	-	1	2	-	1	2
44	19N46	. PIN, Sheave, use w/lattice boom extension. . . . .	2	-	-	2	-	-
45	19T6186	. PIN, Upper cylinder. . . . .	4	4	4	2	2	2
46		. SCREW, Hex hd. cap 5/8"-11 x 1-1/2 in. . . . .	6	6	6	4	4	4
47	16T6715	. PAD, Slider . . . . .	4	4	4	4	4	4
48	45Z479D46	. O-RING. . . . .	8	8	8	4	4	4
49	44Q26D2	. FLANGE, Split. . . . .	12	12	12	-	-	-
50		. SCREW, Hex hd. cap 3/8-16UNC x 1-1/4 in. . . . .	32	32	32	16	16	16
51	44Q510D1	. HOSE ASSY. . . . .	2	2	2	-	-	-
52	44U68	. TUBE ASSY., Extend. . . . .	1	1	1	-	-	-
53	44U69	. TUBE ASSY., Retreat . . . . .	1	1	1	-	-	-
54	44Q596D2	. FITTING, Swivel. . . . .	2	2	2	2	2	2
55	44Q26D3	. FLANGE, Split. . . . .	4	4	4	4	4	4
56	45Z479D21	. O-RING. . . . .	2	2	2	2	2	2
57	36R37D1	. VALVE, Holding. . . . .	1	1	1	1	1	1
58		. SCREW, Hex hd. cap 1/2-13UNC x 3-3/4 in. . . . .	3	3	3	3	3	3
59		. WASHER, Hard flat 1/2 in. . . . .	3	3	3	3	3	3
60	14T1743	. PLATE, Cap. . . . .	-	-	-	2	2	2
61	19T6187	. PIN, Extend cylinders. . . . .	2	2	2	2	2	2
62	32U1269	. DECAL, Boom angle (not shown) . . . . .	1	1	1	1	1	1
63	20Z739D6	. NUT, Hex 1/2-13UNC. . . . .	4	4	4	4	4	4
-		. NUT, 5/16 in.-18 (not shown) . . . . .	1	1	1	1	1	1
-		. WASHER, 5/16 in. (not shown) . . . . .	1	1	1	1	1	1
64	18T12853	. PLATE . . . . .	6	6	6	4	4	4
65	18T14960	. PLATE, Keeper. . . . .	6	6	6	4	4	4

### BOOM ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			7	8	9			
-	100X204-7	BOOM ASSEMBLY - FIRE RESISTANT FLUID						
-	100X204-8	BOOM ASSEMBLY - FIRE RESISTANT FLUID						
-	100X204-9	BOOM ASSEMBLY - FIRE RESISTANT FLUID						
01	16T6807	. PAD, Slider	2	2	2			
02		. SCREW, Hex sock. fl. hd. 3/8-16UNC x 1/2 in.	12	12	12			
03		. SCREW, Hex hd. cap 1/2-13UNC x 2-3/4 in.	18	18	18			
04		. WASHER, Flat 1/2 in.	18	18	18			
05	20T9308D1	. SHIM, 0.048 thick.	20	20	20			

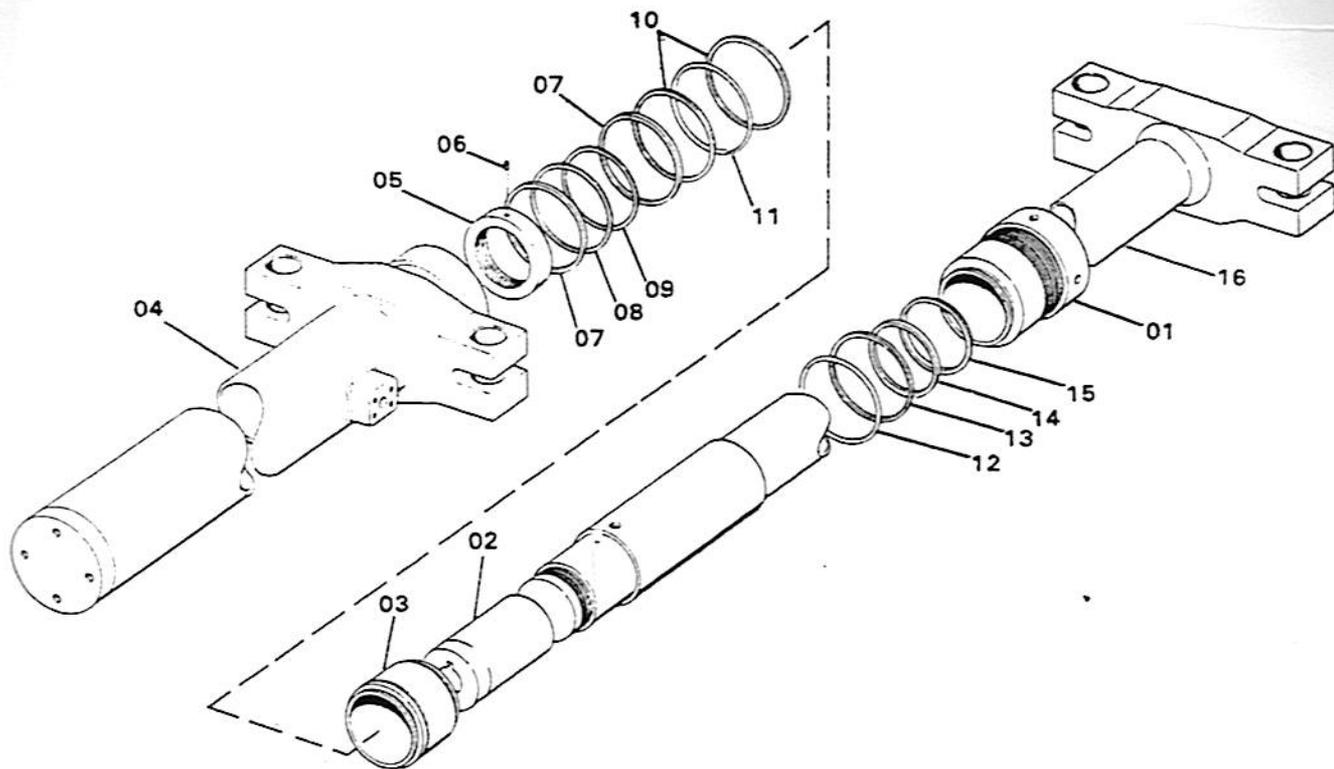
**BOOM ASSEMBLY (Continued)**

Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			7	8	9		
06	20T9308D2	. SHIM, 0.105 thick . . . . .	4	4	4		
07	16T6711	. PAD, Slider . . . . .	4	4	4		
08	11X91	. SECTION, Boom base . . . . .	1	1	1		
09	16T6108	. PAD, Slider . . . . .	24	24	24		
10		. SCREW, Hex sock. fl. hd. 3/8-16UNC x 3/4 in. . . . .	66	66	66		
11	16T6107	. CARRIER, Slider pad. . . . .	12	12	12		
12		. SCREW, Hex hd. cap 1/2-13UNC x 1-1/4 in. . . . .	36	36	36		
13		. WASHER, Lock 1/2 in. . . . .	36	36	36		
14	20T9310D1	. SHIM, 0.048 thick . . . . .	48	48	48		
15	20T9310D2	. SHIM, 0.105 thick . . . . .	12	12	12		
16	38R101	. CYLINDER, Upper extension (Page 4.2) . . . . .	1	1	1		
17	38R100	. CYLINDER, Lower extension (Page 5.3) . . . . .	1	1	1		
18	16J1129	. SUPPORT, Lower cylinder . . . . .	1	1	1		
19		. NUT, Hex jam 5/8-11UNC. . . . .	2	2	2		
20	20Z1412D22	. BALL PLUNGER, with nylock . . . . .	2	2	2		
21		. SCREW, Hex hd. cap 5/8-11UNC x 1-1/4 in. . . . .	6	6	6		
22		. WASHER, Lock 5/8 in. . . . .	12	12	12		
23	20T9309D1	. SHIM, 0.048 thick . . . . .	10	10	10		
24	20T9309D2	. SHIM, 0.105 thick . . . . .	2	2	2		
25	16N2364	. SUPPORT, Upper cylinder . . . . .	1	1	1		
26	16T6713	. PAD, Slider . . . . .	2	2	2		
27	11J3077D1	. SECTION, =1 boom . . . . .	1	1	1		
28	16T6806	. PAD, Slider . . . . .	1	1	1		
29	11J3078	. SECTION, =2 boom. . . . .	1	1	1		
30	16T6719	. PAD, Slider . . . . .	1	1	1		
31	11J3036	. SECTION, =3 boom. . . . .	1	1	1		
32	19P621	. PIN, Manual anchor . . . . .	1	1	1		
33	19Z286D3	. PIN, Snapper . . . . .	2	2	2		
34	18P933D292	. SPACER, Pipe. . . . .	2	2	2		
35		. NUT, Hex 3/4-10UNC. . . . .	4	4	4		
36	20H1573D7	. BOLT, Rod 3/4-10UNC . . . . .	2	2	2		
37		. WASHER, Lock 3/4 in. . . . .	4	4	4		
38	20T9327	. ROD, End . . . . .	1	1	1		
39		. SCREW, Hex hd. cap 3/8-16UNC x 1 in. . . . .	2	2	2		
40		. WASHER, Lock 3/8 in. . . . .	34	34	34		
-	907P13F1	. SHEAVE ASSY., Idler . . . . .	1	1	1		
41	44Z1D28	. FITTING, Lube. . . . .	1	1	1		
42		. SHEAVE . . . . .	1	1	1		
43	5Z368D5	. BUSHING, Sheave . . . . .	1	1	1		
-	18P6134	. FLANGE . . . . .	1	1	1		
-	18P4664	. FLANGE . . . . .	1	1	1		
-	0620V506	. SCREW, Hex soc. fl. hd. cap 1/4"-20UNC x 2-1/2". . . . .	6	6	6		
-	18Z1732D12	. WASHER, Lock 1/4 conical serrated . . . . .	6	6	6		
-	0680V022	. SCREW, Soc. hd. set 1/4"-20UNC. . . . .	2	2	2		
44	19N44	. PIN, Sheave, use w/lattice boom extension. . . . .	2	-	-		
44	19N44	. PIN, Sheave, use with or without jib . . . . .	-	1	2		
45	18Z2731	. SPACER, Sheave. . . . .	5	5	5		
46	20Z646D540	. SCREW, Hex hd. cap 1/2-13UNC x 5-1/2 in . . . . .	2	2	2		
-	907P13F2	. SHEAVE ASSY., Main . . . . .	4	4	4		
47		. SHEAVE . . . . .	1	1	1		

BOOM ASSEMBLY (Continued)

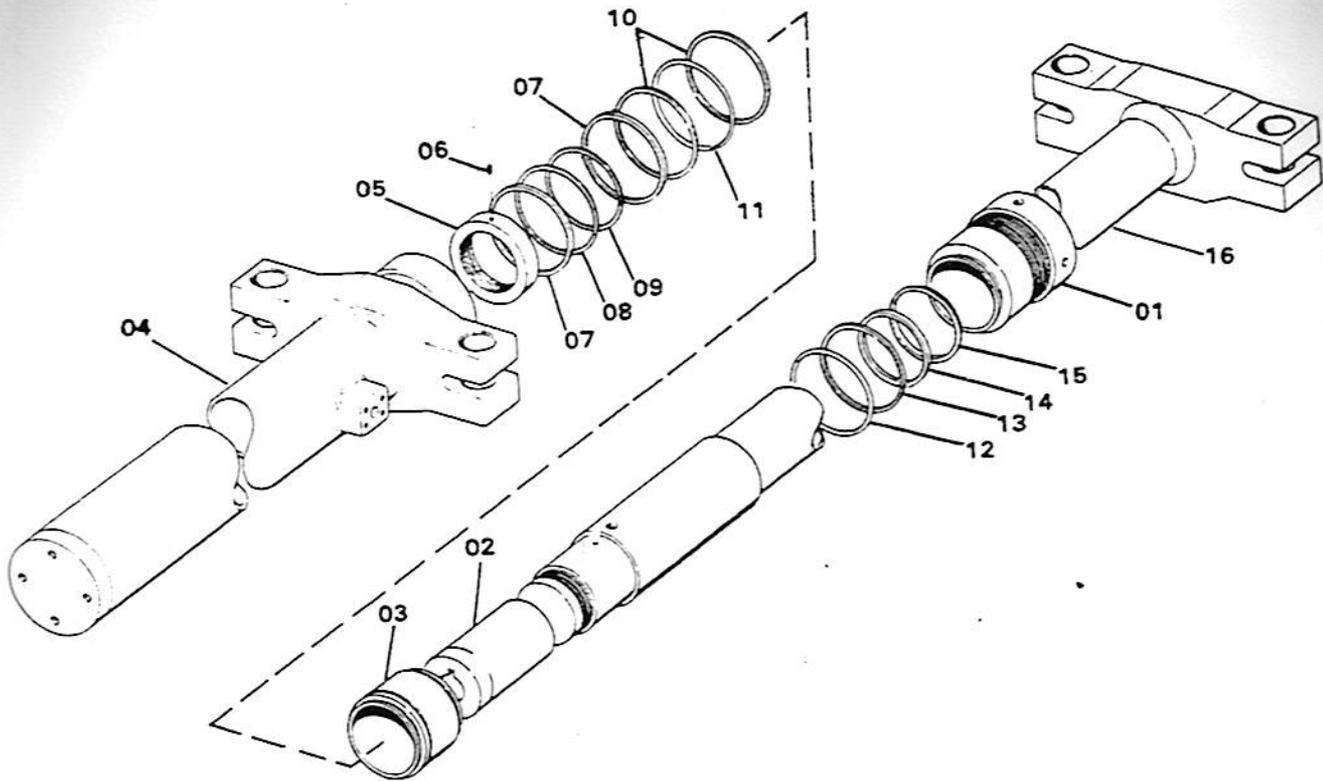
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			7	8	9	
48	5Z368D5	. . BUSHING, Sheave . . . . .	1	1	1	
-	44Z1D12	. . FITTING, Lube. . . . .	1	1	1	
49	19N60	. PIN, Main sheave, use w/jib . . . . .	-	1	-	
50	16T6714	. PAD, Slider . . . . .	2	2	2	
51	16T6715	. PAD, Slider . . . . .	4	4	4	
52		. SCREW, Hex hd. cap 3/8-16UNC x 1-1/4 in. . . . .	32	32	32	
53	44Q26D2	. FLANGE, Split . . . . .	12	12	12	
54	45Z479D46	. O-RING. . . . .	8	8	8	
55	44Q510 D1	. HOSE ASSY. . . . .	2	2	2	
56	44Q596D2	. FITTING, Swivel joint . . . . .	2	2	2	
57	44Q26D3	. FLANGE, Split . . . . .	4	4	4	
58	45Z479D21	. O-RING. . . . .	2	2	2	
59	36R37D1	. VALVE, Holding. . . . .	1	1	1	
60		. SCREW, Hex hd. cap 1/2-13UNC x 3-3/4 in. . . . .	3	3	3	
61	44U68	. TUBE ASSY., Extend. . . . .	1	1	1	
62	44U69	. TUBE ASSY., Retract . . . . .	1	1	1	
63		. WASHER, Hard flat 1/2 in. . . . .	3	3	3	
64		. SCREW, Hex hd. cap 5/8 in.-11 x 2-1/2 in. . . . .	6	6	6	
65	19T6187	. PIN, Extend cylinder . . . . .	2	2	2	
66	19T6186	. PIN, Extend cylinder . . . . .	4	4	4	
67	20T8486D1	. SHIM, 0.030 thick . . . . .	12	12	12	
68	32U1269	. DECAL, Boom angle (not shown). . . . .	1	1	1	
69	20Z739D6	. NUT, Hex 1/2-13UNC. . . . .	4	4	4	
70	100J5032-1	. BRACKET . . . . .	1	1	1	
71	18T14960	. PLATE, Keeper. . . . .	6	6	6	
72	18T12853	. PLATE . . . . .	6	6	6	

## UPPER EXTENSION CYLINDER



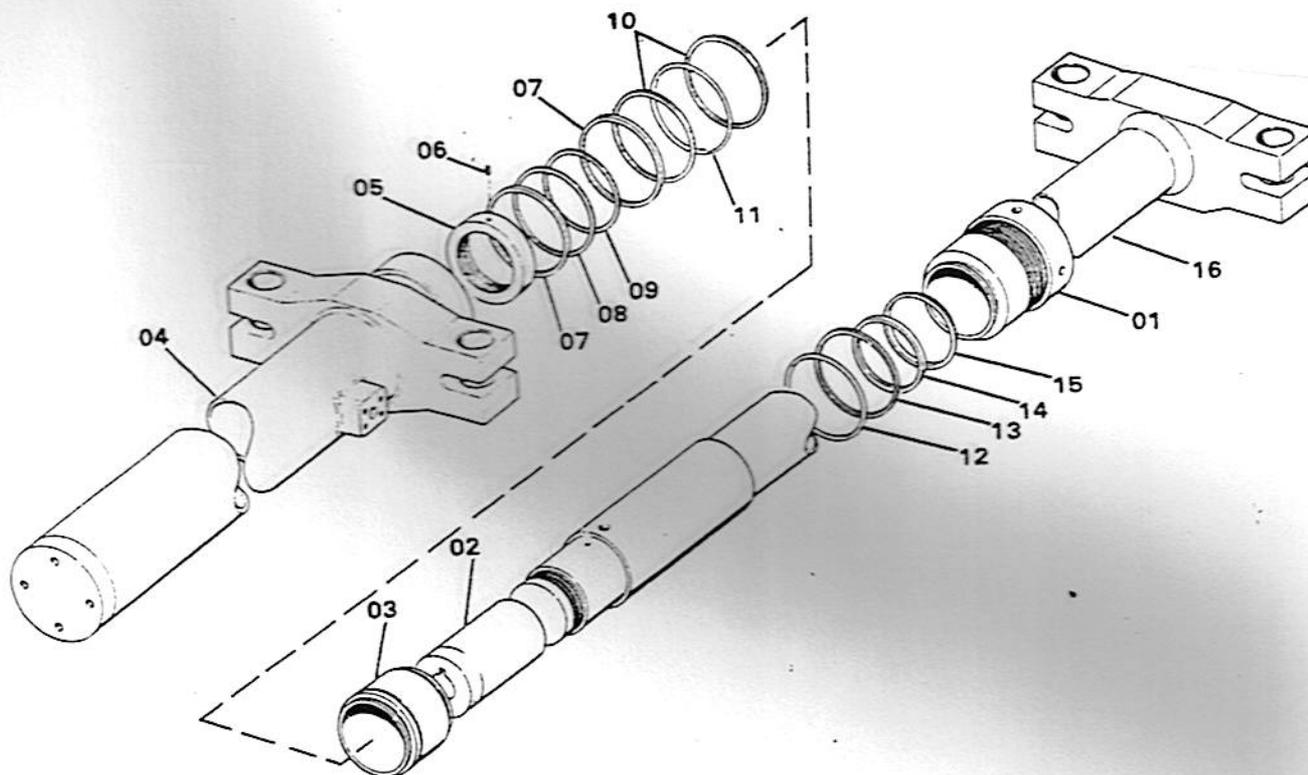
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	38R88	UPPER EXTENSION CYLINDER	Y			
01	1018Z5672	. GLAND, Head	1			
02	1018Z5671	. SPACER ASSEMBLY	1			
03	1039Z479	. PISTON	1			
04	1039Z481	. BODY, Cylinder	1			
05	1020Z5695	. NUT, Ring	1			
06	1020Z5690	. SCREW, Sock. hd. set.	1			
-	1045Z1690	. KIT, Complete seal	1			
07		. . RING, Piston	2			
-	1045Z1689	. . KIT, Soft seal	1			
08		. . . SEAL, Piston	1			
09		. . . O-RING	1			
10		. . . RING, Back-up	2			
11		. . . O-RING	1			
12		. . . O-RING	1			
13		. . . RING, Back-up	1			
14		. . . U-CUP, Rod	1			
15		. . . WIPER, Rod	1			
16	1020Z5697	. ROD, Piston	1			

## UPPER EXTENSION CYLINDER



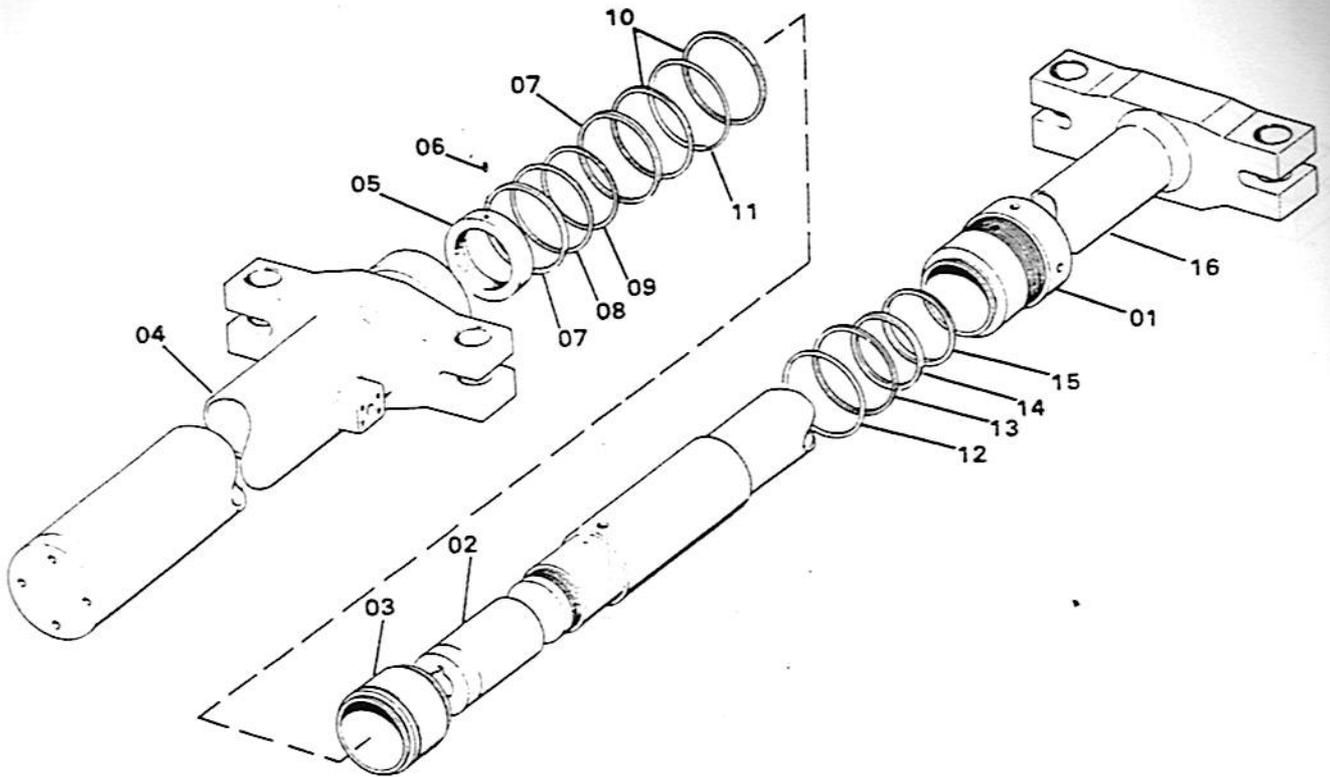
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	38R101	UPPER EXTENSION CYLINDER - FIRE RES. FLUID	1			
01	1018Z5672	. GLAND, Head	1			
02	1018Z5671	. SPACER ASSEMBLY	1			
03	1039Z479	. PISTON	1			
04	1039Z481	. BODY, Cylinder	1			
05	1020Z5695	. NUT, Ring	1			
06	1020Z5690	. SCREW, Sock. hd. set.	1			
-	1045Z1860	. KIT, Complete seal	2			
07		.. RING, Piston	1			
-	1045Z1861	.. KIT, Soft seal	1			
08		... SEAL, Piston	1			
09		... O-RING	2			
10		... RING, Back-up	1			
11		... O-RING	1			
12		... O-RING	1			
13		... RING, Back-up	1			
14		... U-CUP, Rod	1			
15		... WIPER, Rod	1			
16	1020Z5697	. ROD, Piston	1			

## LOWER EXTENSION CYLINDER



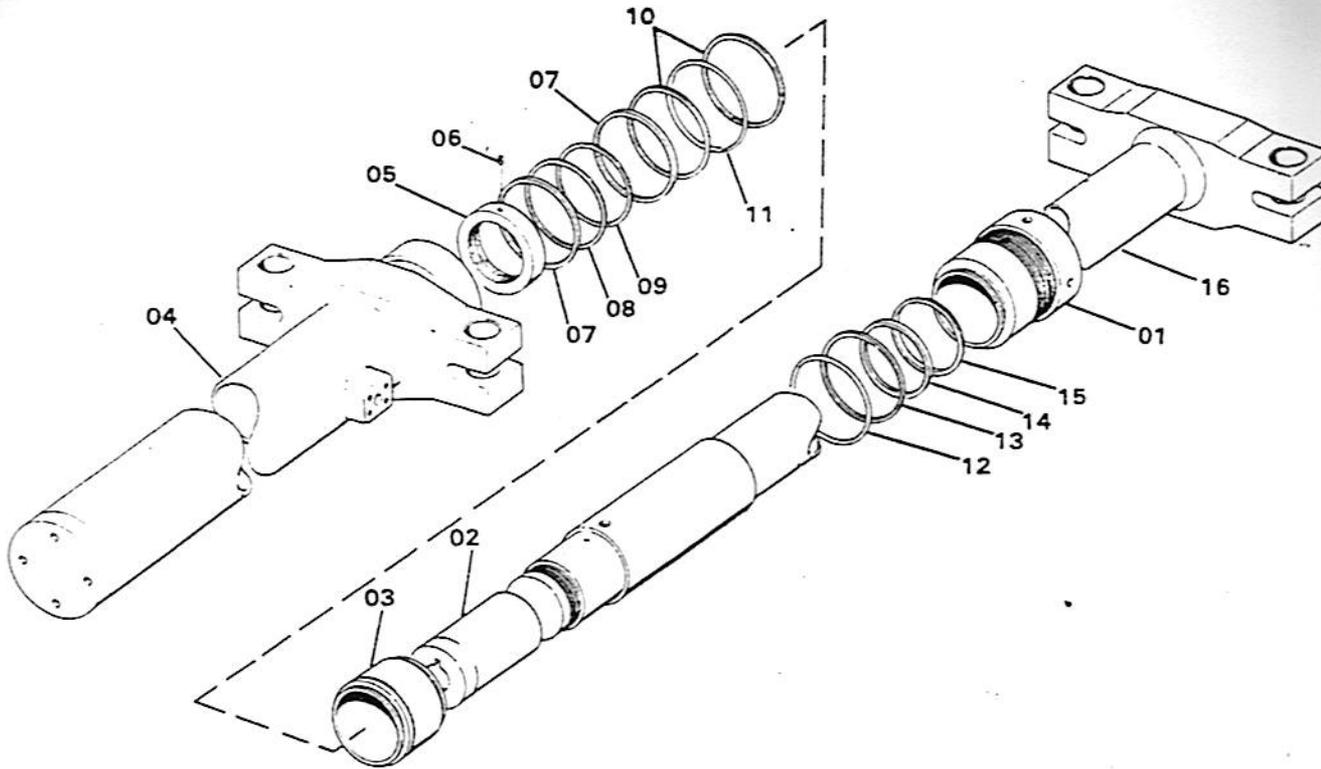
Ref.	Part Number	Description	Quantity			
			Figure Number			
-	38R87	LOWER EXTENSION CYLINDER	Y			
01	1018Z5672	. GLAND, Head	1			
02	1018Z5671	. SPACER ASSEMBLY	1			
03	1039Z479	. PISTON	1			
04	1039Z480	. BODY, Cylinder	1			
05	1020Z5695	. NUT, Ring	1			
06	1020Z5690	. SCREW, Sock. hd. set.	1			
-	1045Z1690	. KIT, Complete seal	2			
07		. . RING, Piston	1			
-	1045Z1689	. . KIT, Soft seal	1			
08		. . . SEAL, Piston.	1			
09		. . . O-RING	2			
10		. . . RING, Back-up	1			
11		. . . O-RING	1			
12		. . . O-RING	1			
13		. . . RING, Back-up	1			
14		. . . U-CUP, Rod	1			
15		. . . WIPER, Rod	1			
16	1020Z5696	. ROD, Piston	1			

## LOWER EXTENSION CYLINDER



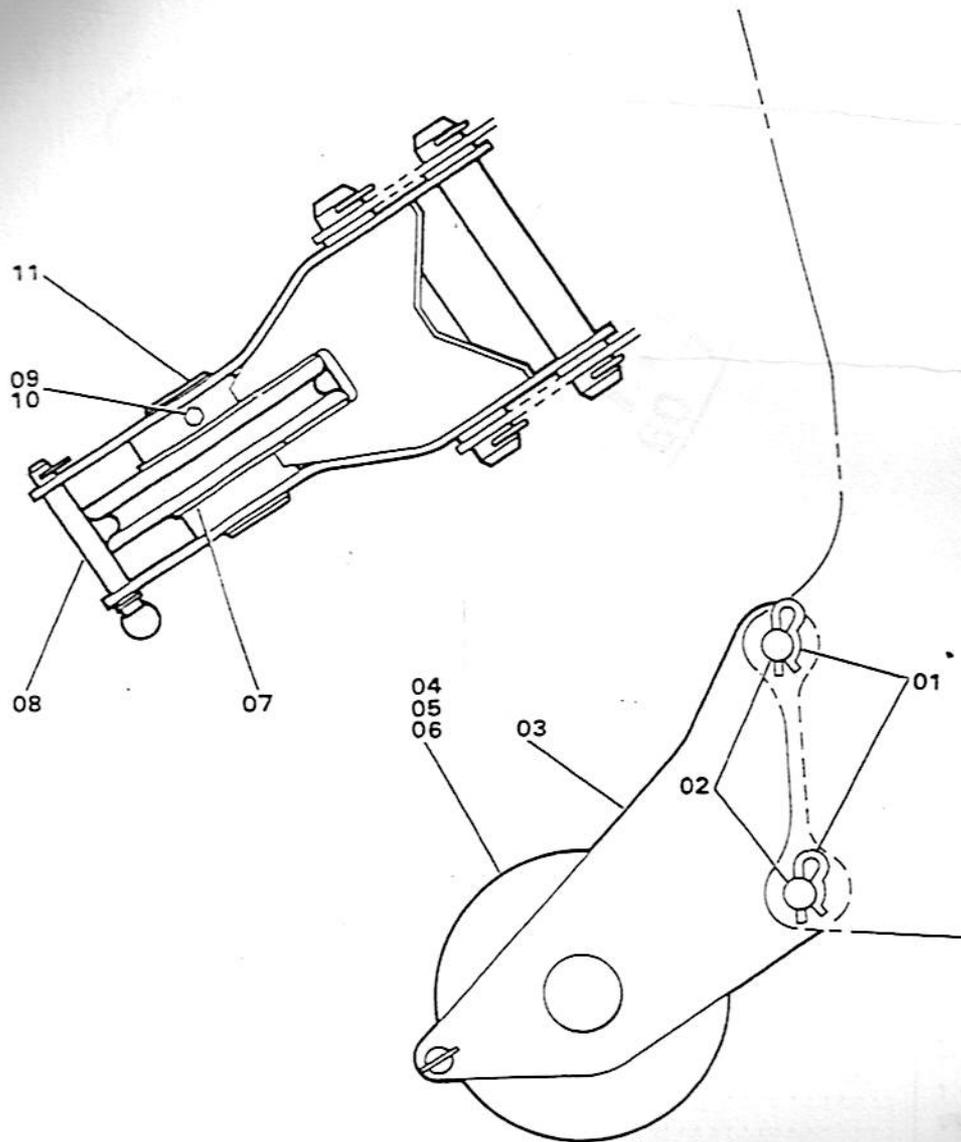
Ref.	Part Number	Description	Quantity				
			Figure Number				
-	38R94	LOWER EXTENSION CYLINDER	1				
01	1018Z5672	. GLAND, Head	1				
02	1018Z5671	. SPACER ASSEMBLY	1				
03	1039Z479	. PISTON	1				
04	1039Z506	. BODY, Cylinder	1				
05	1020Z5695	. NUT, Ring	1				
06	1020Z5690	. SCREW, Sock. hd. set.	1				
-	1045Z1804	. KIT, Complete seal	2				
07		. . . RING, Piston	1				
-	1045Z1689	. . . KIT, Soft seal	1				
08		. . . SEAL, Piston	1				
09		. . . O-RING	1				
10		. . . RING, Back-up	2				
11		. . . O-RING	1				
12		. . . O-RING	1				
13		. . . RING, Back-up	1				
14		. . . U-CUP, Rod	1				
15		. . . WIPER, Rod	1				
16	1020Z5696	. ROD, Piston	1				

## LOWER EXTENSION CYLINDER



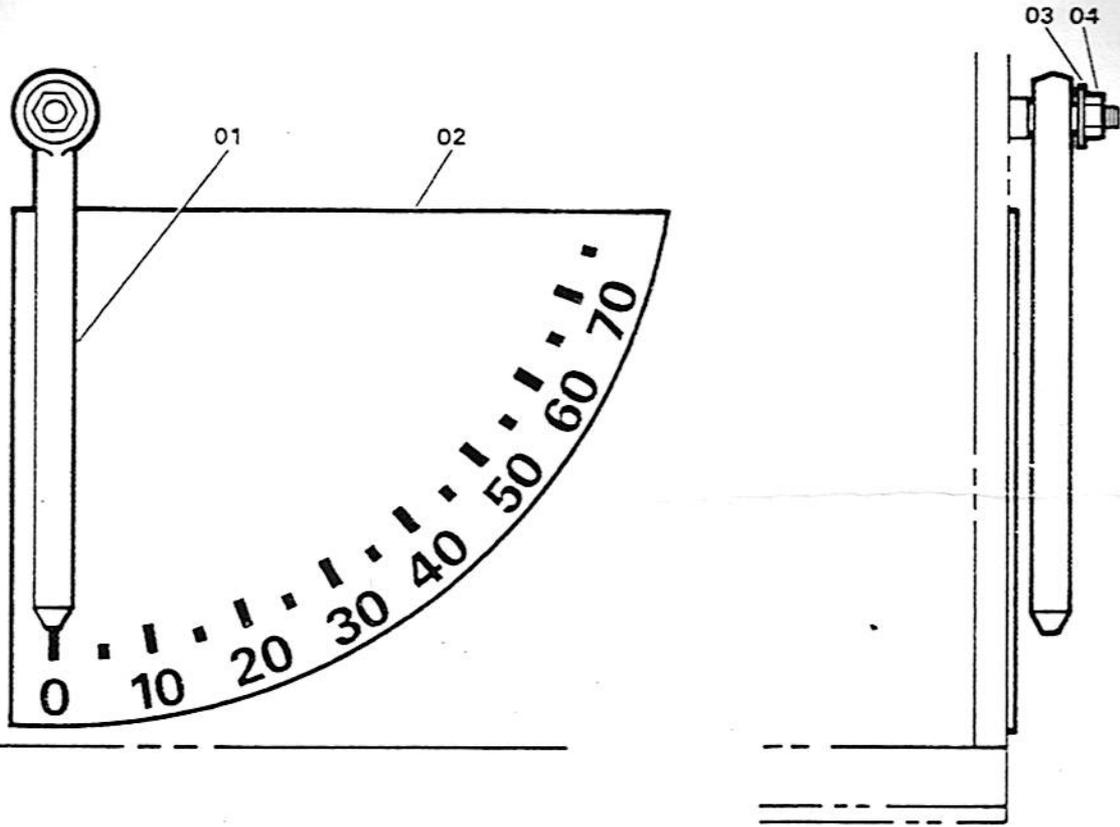
Ref.	Part Number	Description	Quantity			
			Figure Number			
-	38R100	LOWER EXTENSION CYLINDER				
01	1018Z5672	. GLAND, Head	1			
02	1018Z5671	. SPACER ASSEMBLY	1			
03	1039Z479	. PISTON	1			
04	1039Z480	. BODY, Cylinder	1			
05	1020Z5695	. NUT, Ring	1			
06	1020Z5690	. SCREW, Sock. hd. set.	1			
-	1045Z1858	. KIT, Complete seal	1			
07		. . RING, Piston	2			
-	1045Z1859	. . KIT, Soft seal	1			
08		. . SEAL, Piston	1			
09		. . O-RING	1			
10		. . RING, Back-up	2			
11		. . O-RING	1			
12		. . O-RING	1			
13		. . RING, Back-up	1			
14		. . U-CUP, Rod	1			
15		. . WIPER, Rod	1			
16	1020Z5696	. ROD, Piston	1			

## AUXILIARY SHEAVE INSTALLATION



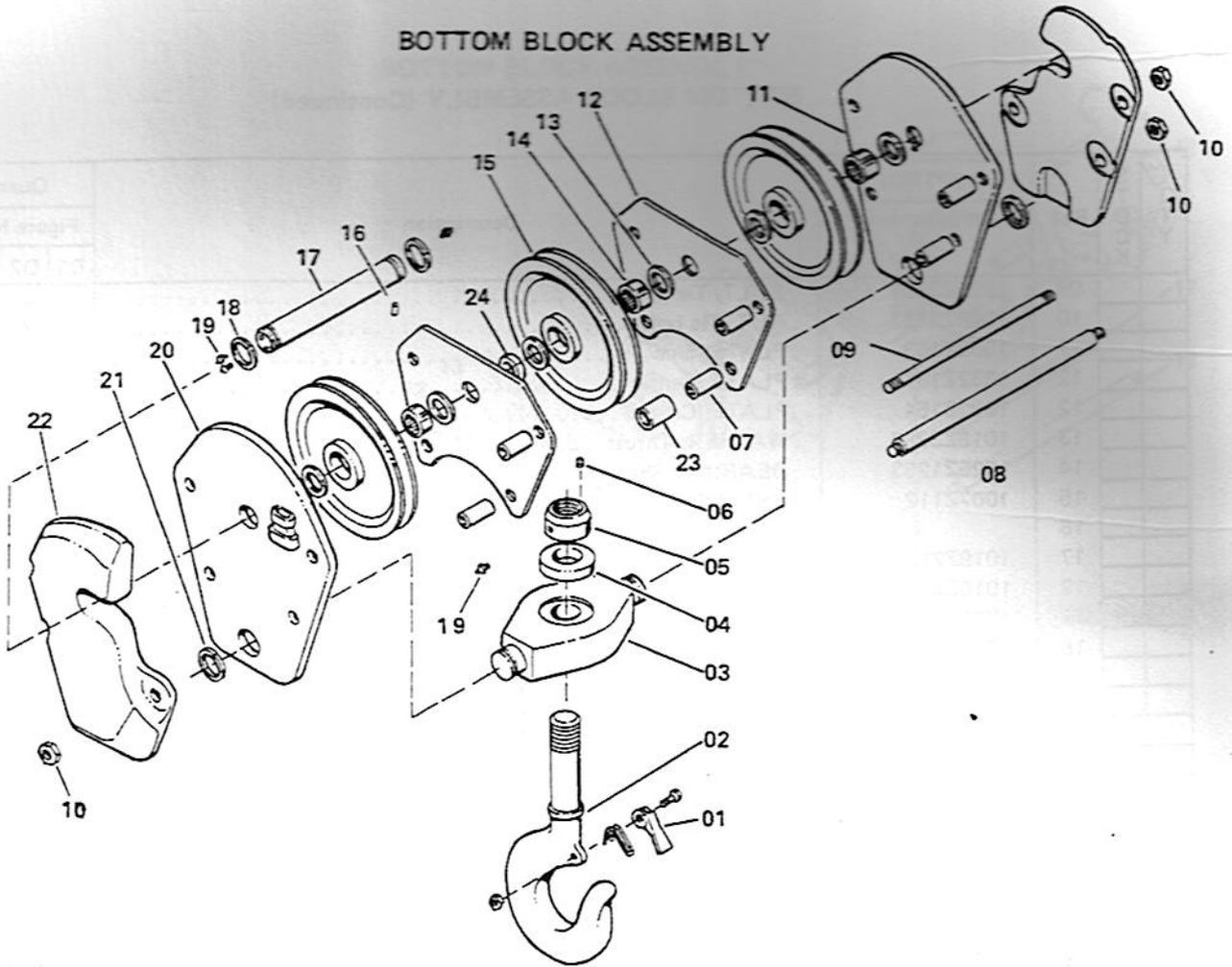
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			2			
-	100N2851-2	AUXILIARY SHEAVE INSTALLATION	1			
01	20Z939D5	. PIN, Hair cotter. . . . .	4			
02	19T5958	. PIN, Support mounting. . . . .	2			
03	16N2623	. SUPPORT, Auxiliary sheave . . . . .	1			
-	907T6-3	. SHEAVE, Auxiliary . . . . .	1			
04	44Z1D10	. . FITTING, Lube. . . . .	1			
05	7Q33D1	. . SHEAVE . . . . .	1			
06	5Z368D3	. . BUSHING . . . . .	1			
07	18Z2693	. SPACER, Sheave . . . . .	2			
08	19Z274D21	. PIN, Hitch . . . . .	1			
09		. SCREW, Hex hd. cap 3/8-16UNC x 5 in.. . . . .	1			
10	20H1614D4	. NUT, Self-locking hex 3/8-16UNC. . . . .	1			
11	19T5959	. PIN, Sheave . . . . .	1			

# BOOM ANGLE INDICATOR ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	950N4-1	BOOM ANGLE INDICATOR ASSEMBLY	1			
01	20T9327	. ROD End .....	1			
02	32U1269	. DECAL, Boom angle .....	1			
03		. WASHER, Lock 5/16 in. ....	1			
04		. NUT, Hex. 5/16-18UNC .....	1			

### BOTTOM BLOCK ASSEMBLY



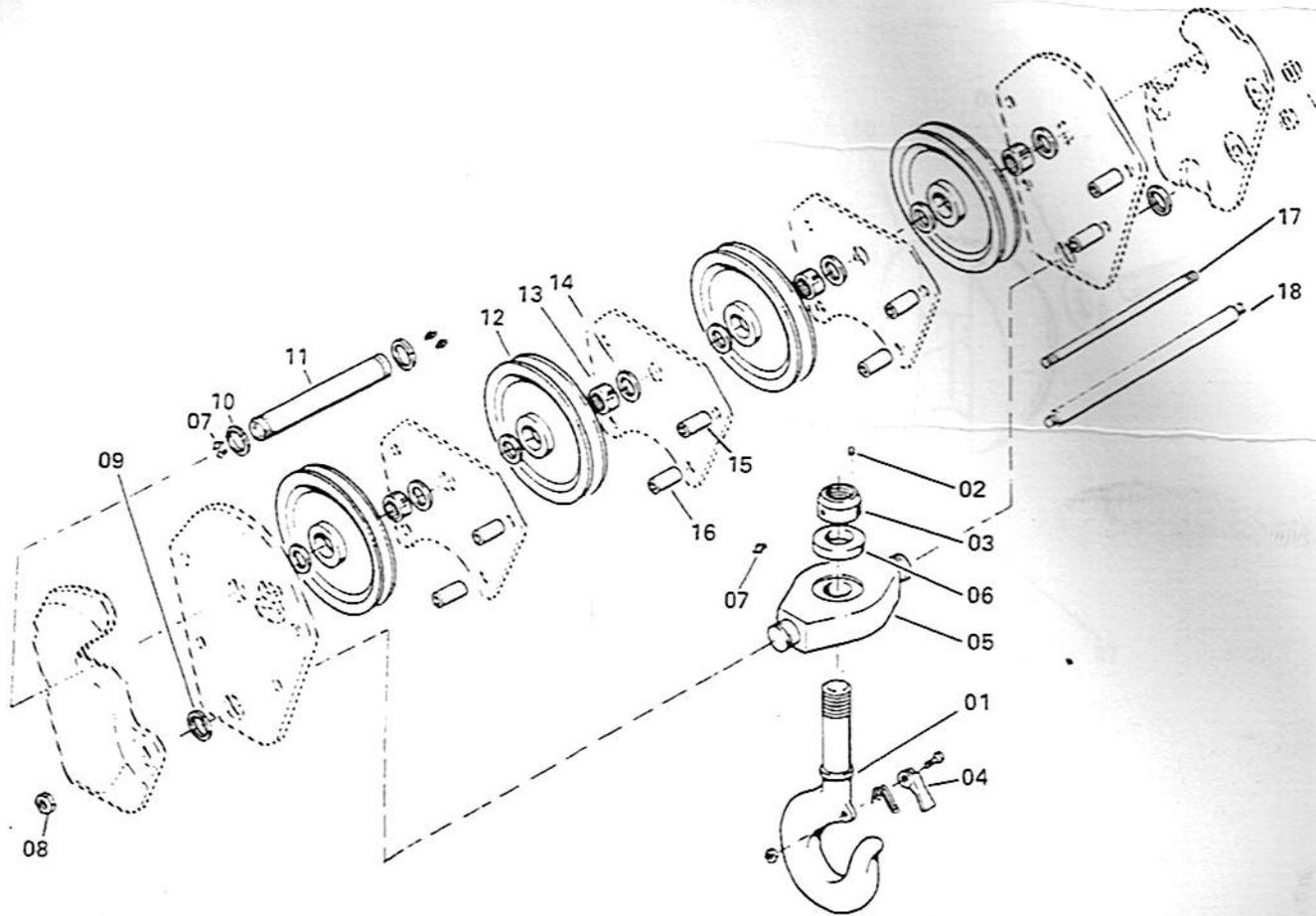
QTY	STOCK	Ref.	OPTION Part Number	Description	Quantity		
					Figure Number		
					D1	D2	D5
		-	8U8D1	BOTTOM BLOCK - SINGLE SHEAVE			
		-	8U8D2	BOTTOM BLOCK - TWO SHEAVE			
		-	8U8D5	BOTTOM BLOCK - THREE SHEAVE			
		01	1032Z146	. LATCH, Safety	1	-	-
		01	1032Z150	. LATCH, Safety	-	1	1
		02	1008Z19	. HOOK	1	-	-
		02	1008Z21	. HOOK	-	1	-
		02	1008Z22	. HOOK	-	-	1
		03	1014Z713	. HOUSING, Hook	1	-	-
		03	1014Z714	. HOUSING, Hook	-	1	-
		03	1014Z715	. HOUSING, Hook	-	-	1
		04	1025Z1284	. BEARING, Thrust	1	-	-
		04	1025Z1285	. BEARING, Thrust	-	1	1
		05	1020Z3126	. NUT, Hook	1	-	-
		05	1020Z3136	. NUT, Hook	-	1	1
		06		. SCREW, Socket head set 3/8-16UNC x 1/2	-	-	1
		07	1018Z3285	. SPACER, Tie bolt	2	-	-
		07	1018Z3283	. SPACER, Tie bolt	-	8	12
		08	1020Z3133	. BOLT, Tie	2	-	-
		08	1020Z3134	. BOLT, Tie	-	2	-
		08	1020Z3135	. BOLT, Tie	-	-	2
		09	1020Z3130	. BOLT, Tie	2	-	-
		09	1020Z3129	. BOLT, Tie	-	2	-

BOTTOM BLOCK ASSEMBLY (Continued)

YTD STOCK	Ref.	OPTION Part Number	Description	Quantity		
				Figure Number		
				D1	D2	D5
	09	1020Z3131	. BOLT, Tie .....	-	-	2
	10	1020Z3127	. NUT, Tie bolt .....	8	8	8
	11	1032Z153	. PLATE, Side .....	1	1	1
	12	1032Z151	. PLATE, Center .....	-	1	-
	12	1032Z154	. PLATE, Center .....	-	-	2
	13	1018Z3288	. WASHER, Thrust .....	2	4	6
	14	1025Z1283	. BEARING, Sheave .....	1	2	3
	15	1007Z112	. SHEAVE .....	1	2	3
	16		. DOWEL, 1/4 x 1/2 in. lg. ....	-	-	1
	17	1019Z713	. PIN, Center .....	1	-	-
	17	1019Z716	. PIN, Center .....	-	1	-
	17	1019Z714	. PIN, Center .....	-	-	1
	18	1018Z3287	. SPIROLOX, Center pin .....	2	2	2
	19	1044Z429	. FITTING, Alemite .....	2	3	4
	20	1032Z152	. PLATE, Side - with socket .....	1	1	1
	21	1018Z3284	. SPIROLOX, Housing .....	2	2	2
	22	1018Z3343	. WEIGHT, 80# cheek .....	2	2	2
	23	1014Z712	. GUARD, Rope .....	2	-	-
	24	1018Z3286	. SPACER, Sheave .....	2	-	-
	-	8T95	. WEDGE, Socket (not shown) .....	1	1	1

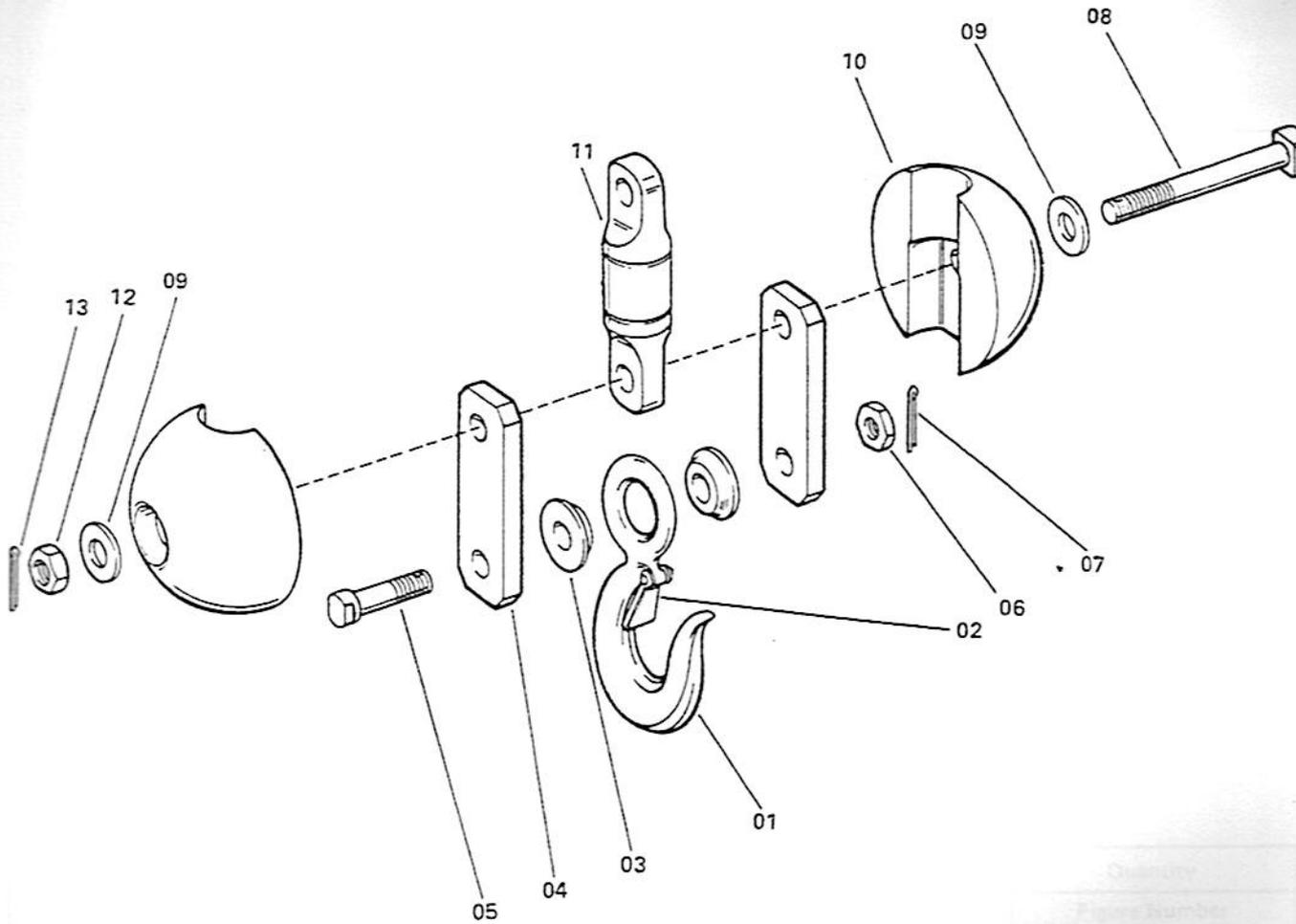
Ref. Dwg. 8U8D1 \_\_\_\_\_  
 8U8D2 \_\_\_\_\_  
 8U8D5 \_\_\_\_\_

## BOTTOM BLOCK ASSEMBLY



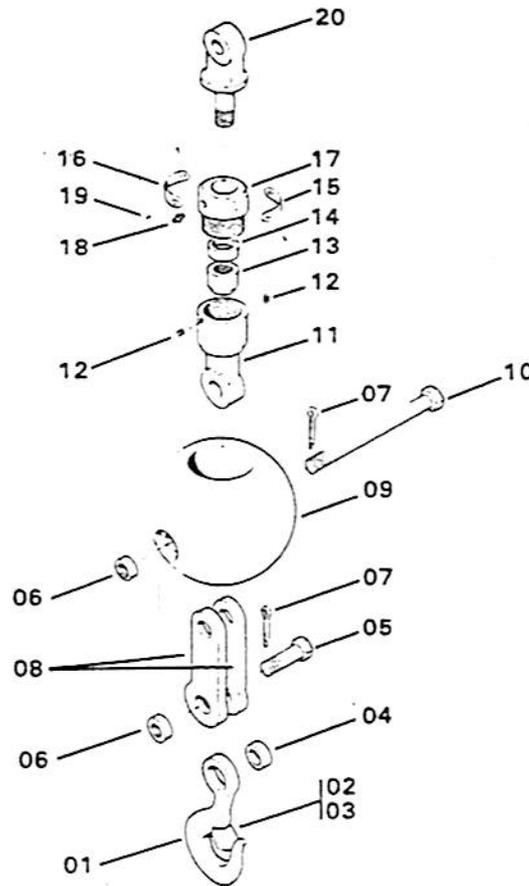
QTY	STOCK	Ref.	Part Number	Description	Quantity		
					Figure Number		
					D6		
		-	8U8D6	BOTTOM BLOCK—FOUR SHEAVE			
		-	1008Z44	. HOOK & NUT ASSEMBLY . . . . .	1		
		01	1008Z45	. . HOOK . . . . .	1		
		02	1020Z4951	. . NUT, Hook . . . . .	1		
		03		. . SCREW, Cup point set 3/8-16UNC x 1/2 in. . . . .	1		
		04	1032Z229	. LATCH KIT, Safety . . . . .	1		
		05	1014Z1338	. HOUSING, Thrust bearing. . . . .	1		
		06	1025Z1285	. BEARING, Thrust . . . . .	1		
		07	1044Z429	. FITTING, Alemite . . . . .	5		
		08	1020Z3127	. NUT, Tie bolt jam . . . . .	8		
		09	1018Z3284	. SPIROLOX, Housing . . . . .	2		
		10	1018Z3287	. SPIROLOX, Center pin. . . . .	2		
		11	1019Z947	. PIN, Center . . . . .	1		
		-	1007Z126	. SHEAVE ASSEMBLY . . . . .	4		
		12	1007Z112	. . SHEAVE . . . . .	1		
		13	1025Z1283	. . BEARING, Roller . . . . .	1		
		14	1018Z3288	. . WASHER, Thrust. . . . .	2		
		15	1018Z4839	. SPACER, Stress pin . . . . .	8		
		16	1018Z3283	. SPACER, Tie bolt . . . . .	8		
		17	1020Z4952	. BOLT, Tie . . . . .	2		
		18	1019Z948	. PIN, Stress . . . . .	2		
		-	8T95	. WEDGE, Rope socket. . . . .	1		

## HOOK BLOCK ASSEMBLY



QTY	STOCK	Ref.	OPTION Part Number	Description	Quantity	
					Figure	Number
		—	8U7D511	HOOK BLOCK ASSY		
		01	1008Z40	. HOOK	1	
		02	1045Z1303	. KIT, Hook safety latch	1	
		03	18Z854D62	. WASHER, Hook	2	
		04	8Z203D3	. STRAP	2	
		05	19Z171D14	. PIN, Hook	1	
		06	1020Z4715	. NUT, Hook pin	1	
		07	1019Z917	. PIN, Cotter	1	
		08	19Z171D112	. PIN, Ball	1	
		09	1018Z4662	. WASHER, Ball pin	2	
		10	1008Z39	. BALL, Split	2	
		11	1025Z1673	. SWIVEL, Ball bearing	1	
		12	1020Z4716	. NUT, Ball pin	1	
		13	1019Z915	. PIN, Ball pin cotter	1	

### HOOK BLOCK ASSEMBLY



Ref.	Part Number	Description	Quantity				
			Figure Number				
-	8U31	HOOK BLOCK ASSEMBLY					
01	1008Z70	. HOOK . . . . .	1				
02	1006Z724	. LATCH, Light duty . . . . .	1				
03	1006Z723	. LATCH, Heavy duty . . . . .	1				
04	1018Z5418	. SPACER . . . . .	1				
05	1019Z1036	. LATCH . . . . .	1				
06	1020Z5322	. NUT . . . . .	2				
07	1019Z1010	. PIN, Cotter. . . . .	1				
08	1008Z72	. STRAP . . . . .	2				
09	1025Z2161	. BALL . . . . .	1				
10	1019Z1159	. PIN, Latch . . . . .	1				
11	1025Z1896	. SWIVEL, Ball bearing. . . . .	1				
12	1020Z5447	. SCREW, 5/16-18NC x 3/8 in. lg. . . . .	2				
13	1020Z5446	. NUT . . . . .	1				
14	1025Z1897	. BEARING . . . . .	1				
15	1018Z5420	. PLATE, Caution . . . . .	1				
16	1018Z5419	. PLATE, Name. . . . .	1				
17	1014Z1528	. HOUSING . . . . .	1				
18	1044Z429	. FITTING. . . . .	1				
19	1020Z5448	. SCREW, #6 x 1/4 in. . . . .	4				
20	1008Z103	. EYE & NUT ASSY. . . . .	1				

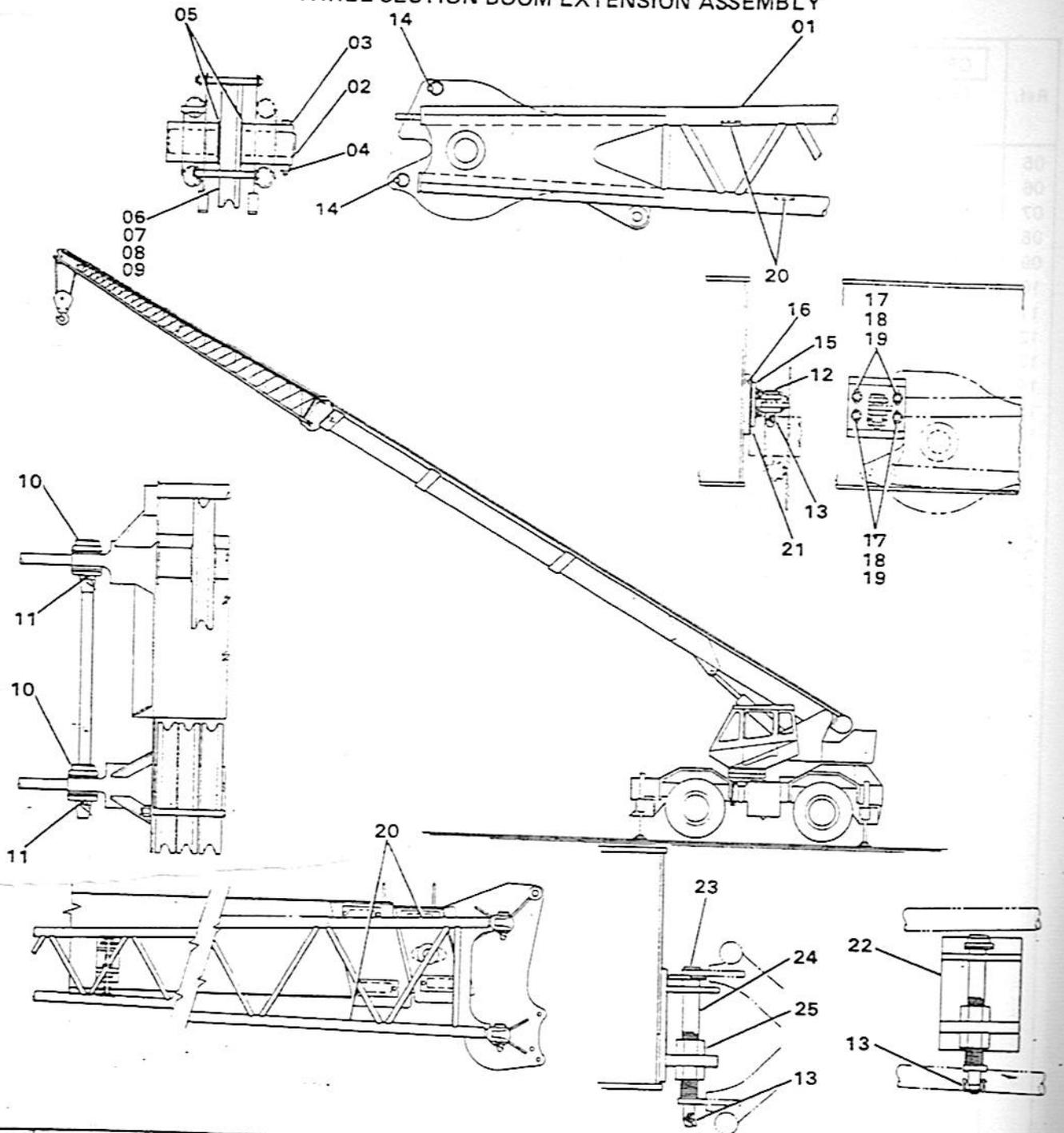
THREE SECTION BOOM EXTENSION ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			1	2				
05	18Z2759	. SPACER, Sheave . . . . .	2	—				
06	907T6F2	. SHEAVE ASSY. . . . .	1	—				
07	44Z1D10	. . FITTING, Lube . . . . .	1	—				
08	7Q32D2	. . SHEAVE . . . . .	1	—				
09	5Z368D3	. . BUSHING, Sheave . . . . .	1	—				
10	19T3839	. PIN . . . . .	4	4				
11	19Z286D1	. PIN, Snapper . . . . .	4	4				
12	19T4525	. PIN . . . . .	1	1				
13	19Z286D2	. PIN, Snapper . . . . .	2	2				
14	19Z274D21	. PIN, Hitch . . . . .	2	—				
15	16P5432D1	. BRACKET . . . . .	1	1				
16	18T13682	. PLATE . . . . .	1	1				
17		. SCREW, Hex hd. cap 1/2"—13 x 1-1/2" lg . . . . .	4	4				
18		. WASHER, Hrd'd. 1/2"—1/16 O.D. . . . .	4	4				
19		. WASHER, Lock 1/2" . . . . .	4	4				
20	32Z1400	. DECAL, Warning. . . . .	4	—				
21	20T9525	. SHIM . . . . .	4	4				
22	16P5345	. WELDMENT, Bracket . . . . .	1	1				
23	19T6135	. WELDMENT, Pin . . . . .	1	1				
24	18T14060	. WELDMENT, Spacer . . . . .	1	1				
25		. NUT, Hex 1-1/2"—6UNC—2B . . . . .	2	2				

NOTE

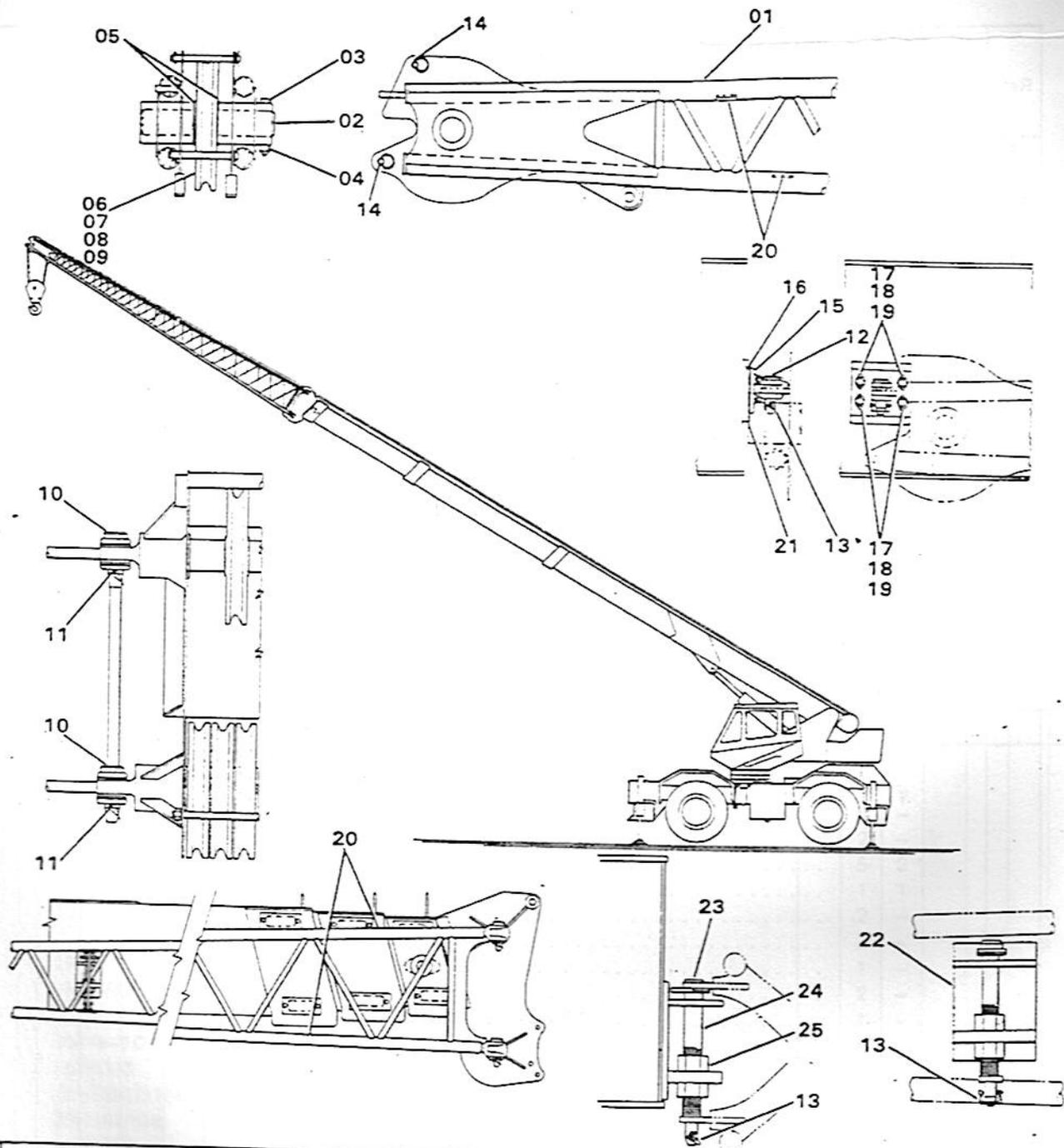
For applicable boom sheave pins; go to correct boom installation w/lattice boom extension figure number.

### THREE SECTION BOOM EXTENSION ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity	
			Figure	Number
-	100J5221-1	EXTENSION ASSY., THREE SEC. BOOM	1	2
-	100J5221-2	EXTENSION ASSY., THREE SEC. BOOM, STORAGE MAT'L.	1	-
01	11J3129	. EXTENSION, Boom - 22 ft . . . . .	1	-
02	19T6027	. PIN, Jib tip sheave . . . . .	1	-
03	20Z646D90	. SCREW, Hex hd. cap 1/2"-13 x 5" lg. . . . .	1	-
04	20H1614D6	. NUT, Hvy. hex self-lock stop 1/2-13UNC . . . . .	1	-

### FOUR SECTION BOOM EXTENSION ASSEMBLY



Ref.	OPTION - Part Number	Description	Quantity			
			Figure Number			
			1	2		
-	100J5222-1	EXTENSION ASSY., FOUR SEC. BOOM	1	2		
-	100J5222-2	EXTENSION ASSY., FOUR SEC. BOOM, STORAGE MAT'L.	1			
01	11J3129	. EXTENSION, Boom - 22 ft . . . . .	1	-		
02	19T6027	. PIN, Jib tip sheave . . . . .	1	-		
03	20Z646D90	. SCREW, Hex hd. cap 1/2"-13 x 5" lg. . . . .	1	-		
04	20H1614D6	. NUT, Hvy. hex self-lock stop 1/2-13UNC. . . . .	1	-		

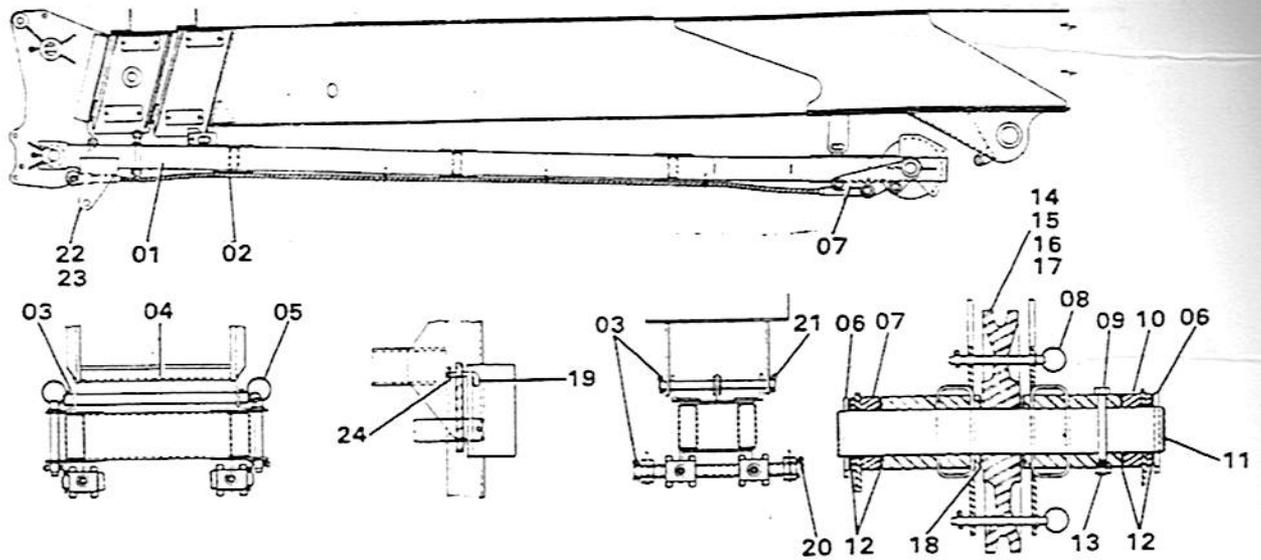
FOUR SECTION BOOM EXTENSION ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2		
05	18Z2759	. SPACER, Sheave . . . . .	2	-		
06	907T6F2	. SHEAVE ASSY. . . . .	1	-		
07	44Z1D10	. . FITTING, Lube. . . . .	1	-		
08	7Q32D2	. . SHEAVE . . . . .	1	-		
09	5Z368D3	. . BUSHING, Sheave . . . . .	1	-		
10	19T3839	. PIN. . . . .	4	4		
11	19Z286D1	. PIN, Snapper . . . . .	4	4		
12	19T4525	. PIN. . . . .	1	1		
13	19Z286D2	. PIN, Snapper . . . . .	2	2		
14	19Z274D21	. PIN, Hitch . . . . .	2	-		
15	16P5432D2	. BRACKET . . . . .	1	1		
16	18T13682	. PLATE . . . . .	1	1		
17		. SCREW, Hex hd. cap 1/2"-13 x 1-1/2" lg . . . . .	4	4		
18		. WASHER, Hrd'd. 1/2"-1/16 O.D. . . . .	4	4		
19		. WASHER, Lock 1/2" . . . . .	4	4		
20	32Z1400	. DECAL, Warning. . . . .	4	-		
21	20T9525	. SHIM . . . . .	4	4		
22	16P5345	. WELDMENT, Bracket . . . . .	1	1		
23	19T6135	. WELDMENT, Pin . . . . .	1	1		
24	18T14060	. WELDMENT, Spacer . . . . .	1	1		
25		. NUT, Hex 1-1/2"-6UNC-2B . . . . .	2	2		

NOTE

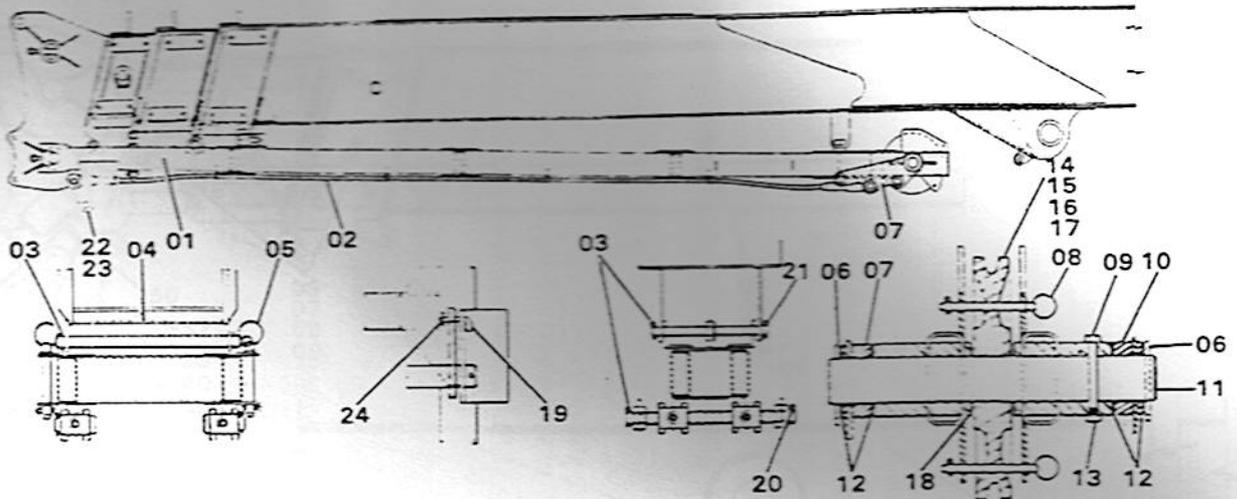
For applicable boom sheave pins; go to correct boom installation w/lattice boom extension figure number.

### JIB ASSEMBLY (THREE SECTION BOOM)



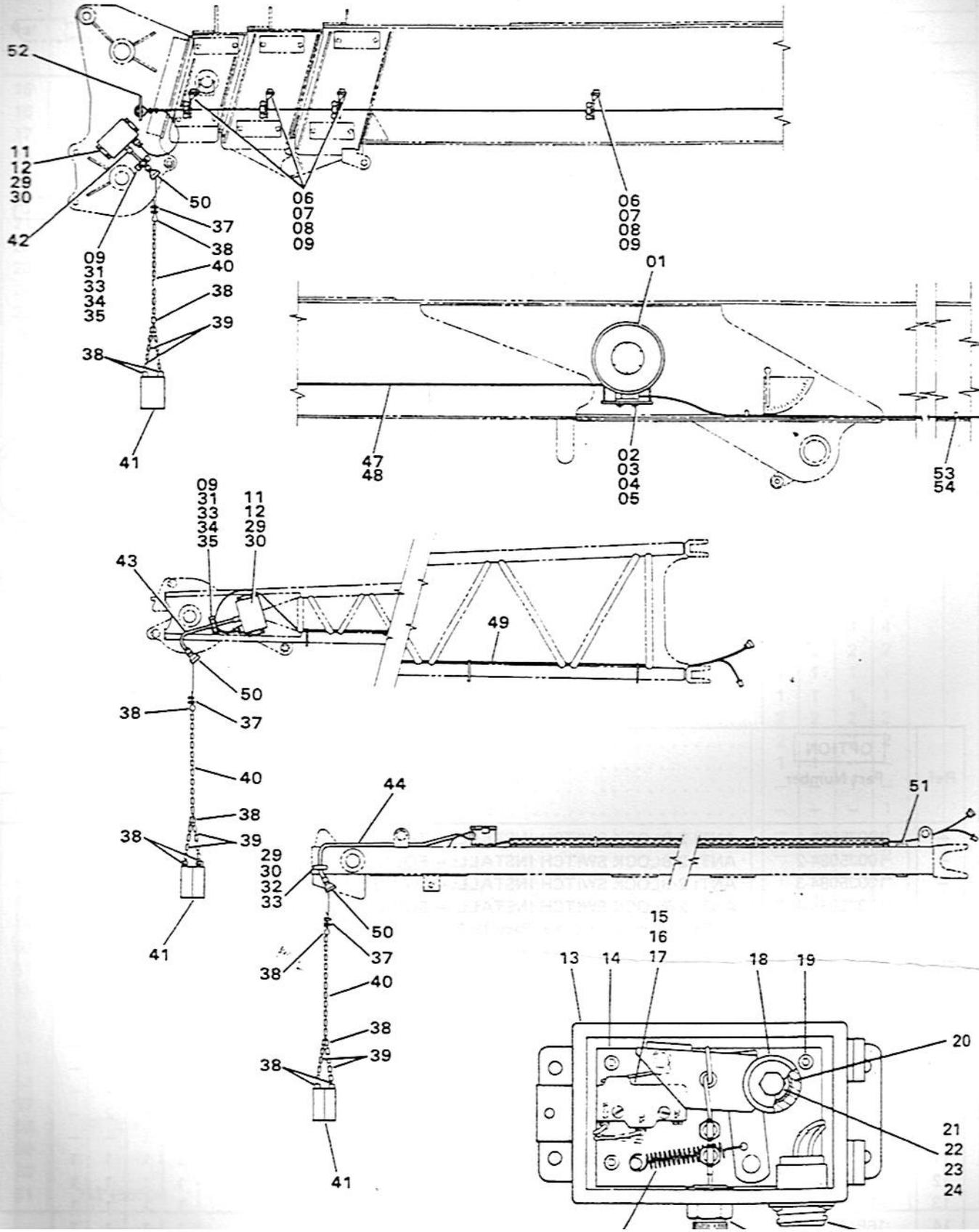
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			4	8		
-	100J5099-4	JIB ASSEMBLY - THREE SECTION BOOM	1	-		
-	100J5099-8	JIB ASSEMBLY - STORAGE INSTALLATION	1	-		
01	11J2943	JIB, 15 ft.	1	-		
02	30U60D23	ROPE ASSEMBLY	2	-		
03	20Z939D9	PIN, Hair cotter.	5	3		
04	19Z59D57	PIN, Storage, 1-1/4"	1	1		
05	19Z274D24	PIN, Hitch	2	-		
06		PIN, Cotter 1/4 x 3-1/2"	2	-		
07	16P4841D2	BRACKET, Jib offset.	1	-		
08	19Z274D15	PIN, Hitch	2	-		
09		SCREW, Hex hd. cap 1/2-13UNC x 5"	1	-		
10	16P4841D1	BRACKET, Jib offset.	1	-		
11	19T6030	PIN, Sheave	1	-		
12	18H3892D124	WASHER.	4	-		
13	20H1614D6	NUT, Hvy. hex self-locking stop 1/2-13UNC.	1	-		
14	907T6F2	SHEAVE ASSEMBLY, Jib	1	-		
15	44Z1D10	FITTING, Lube.	1	-		
16		SHEAVE	1	-		
17	5Z368D3	BUSHING, Sheave	1	-		
18	18Z2730	WASHER.	4	-		
19	19T6145	PIN, Shear	1	1		
20	19T6031	PIN, Storage	1	-		
21	19F57D46	PIN, Storage 1"	1	1		
22	19F63D72	PIN.	1	1		
23	20Z939D6	PIN, Hair cotter.	2	2		
24	20Z939D2	PIN, Hair cotter.	1	1		

JIB ASSEMBLY  
(FOUR SECTION BOOM)

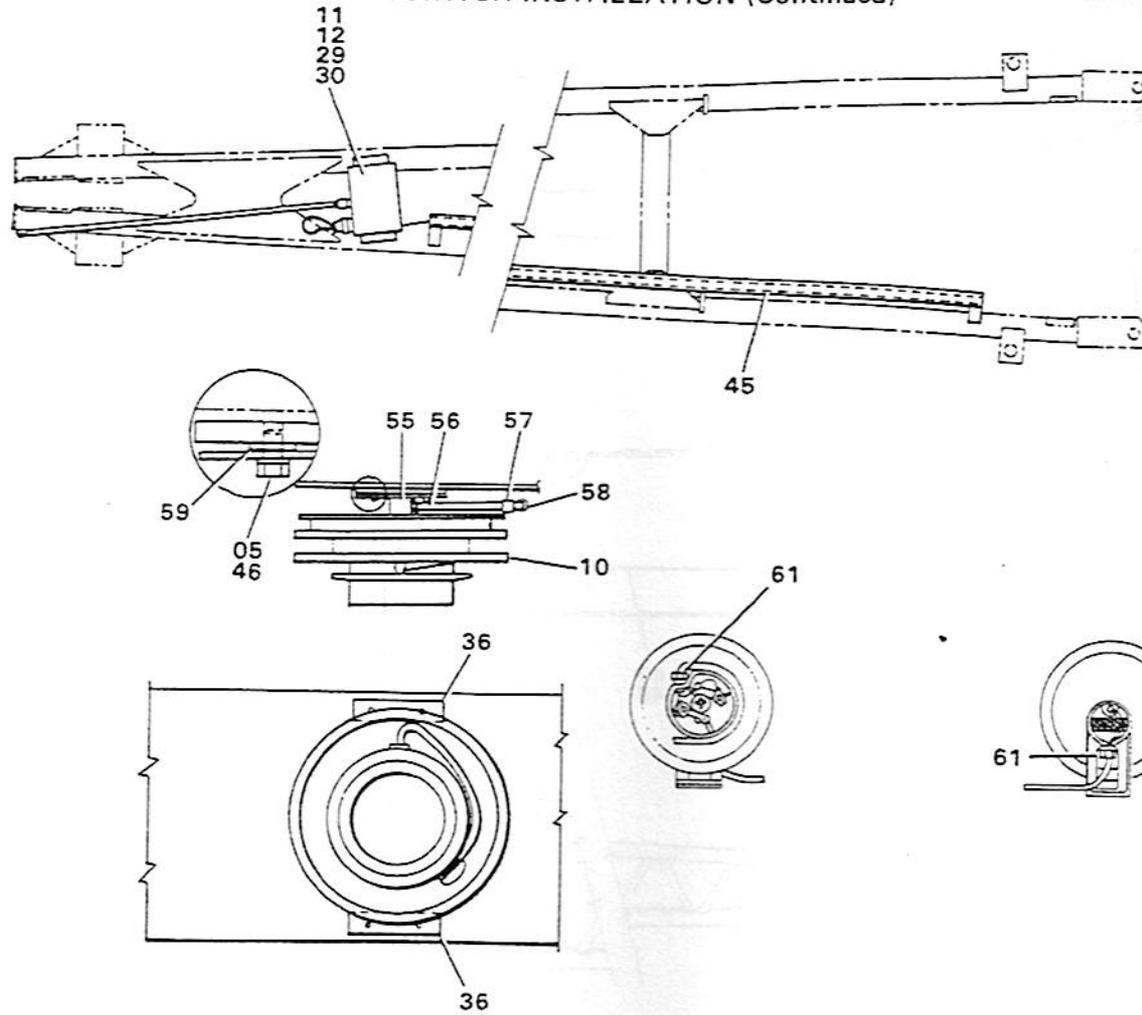


Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			3	7			
-	100J5099-3	JIB ASSEMBLY - FOUR SECTION BOOM	1				
-	100J5099-7	JIB ASSEMBLY - STORAGE INSTALLATION	1				
01	11J2943	JIB, 15 ft.	1				
02	30U60D23	ROPE ASSEMBLY	2				
03	20Z939D9	PIN, Hair cotter	5	3			
04	19F59D57	PIN, Storage, 1-1/4"	1	1			
05	19Z274D24	PIN, Hitch	2				
06		PIN, Cotter 1/4 x 3-1/2"	2				
07	16P4841D2	BRACKET, Jib offset	1				
08	19Z274D15	PIN, Hitch	2				
09		SCREW, Hex hd. cap 1/2-13UNC x 5"	1				
10	16P4841D1	BRACKET, Jib offset	1				
11	19T6030	PIN, Sheave	1				
12	18H3892D124	WASHER	4				
13	20H1614D6	NUT, Hvy. hex self-locking stop 1/2-13UNC	1				
14	907T6F2	SHEAVE ASSEMBLY, Jib	1				
15	44Z1D10	FITTING, Lube	1				
16		SHEAVE	1				
17	5Z368D3	BUSHING, Sheave	1				
18	18Z2730	WASHER	2				
19	19T6145	PIN, Shear	1	1			
20	19T6031	PIN, Storage	1				
21	19F57D46	PIN, Storage 1"	1	1			
22	19F63D72	PIN	1	1			
23	20Z939D6	PIN, Hair cotter	2	2			
24	20Z939D2	PIN, Hair cotter	1	1			

# ANTI-TWO BLOCK SWITCH INSTALLATION



### ANTI-TWO BLOCK SWITCH INSTALLATION (Continued)

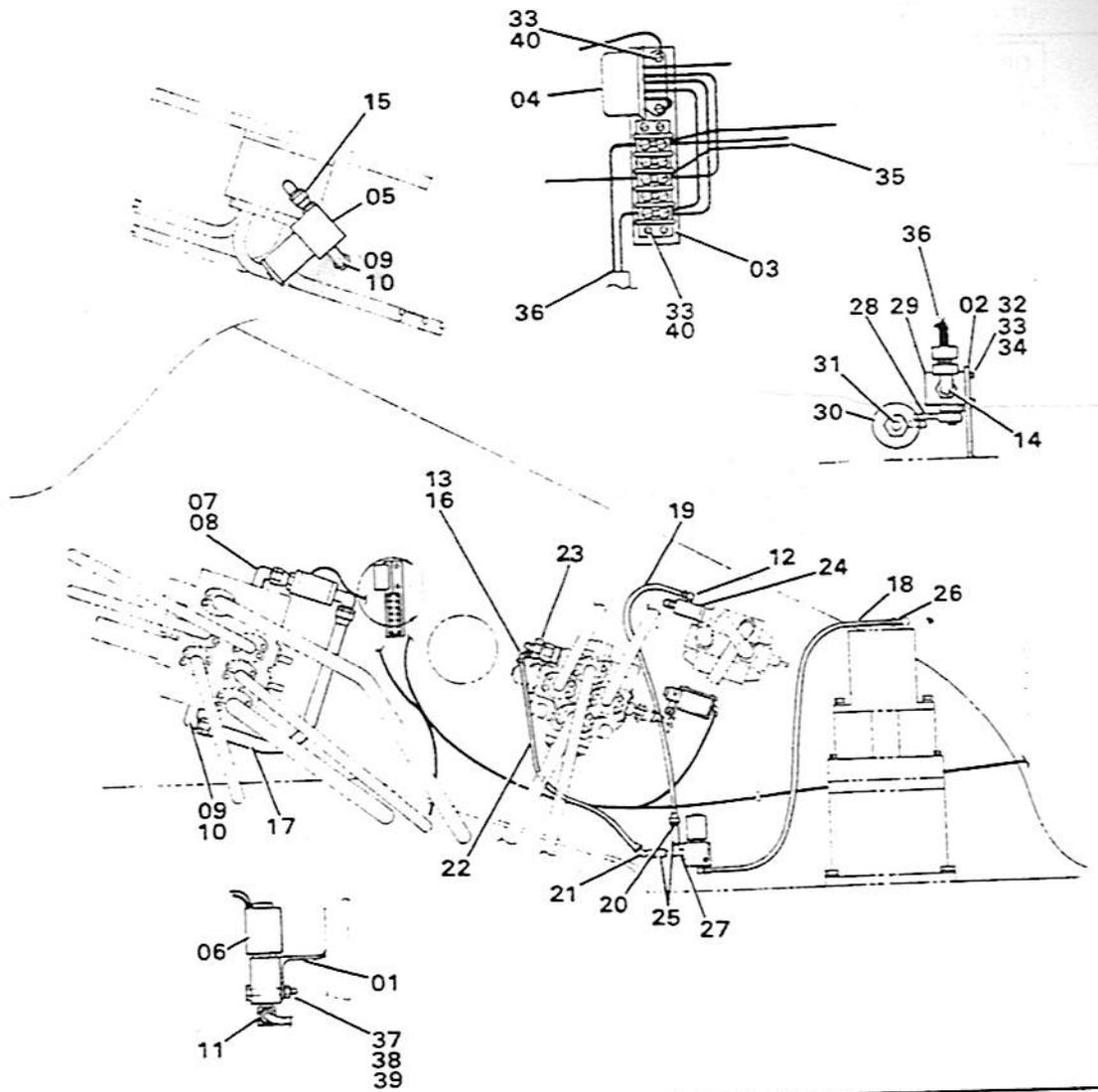


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2	3	4
-	100J5084-1	ANTI 2-BLOCK SWITCH INSTALL. - THREE SECTION BOOM				
-	100J5084-2	ANTI 2-BLOCK SWITCH INSTALL. - FOUR SECTION BOOM				
-	100J5084-3	ANTI 2-BLOCK SWITCH INSTALL. - SWING AROUND JIB				
-	100J5084-4	ANTI 2-BLOCK SWITCH INSTALL. - SWING UNDER JIB				
01	86Z90	. REEL, Conductor cable (Page 19.1)	1	-	-	1
02	16N2034D2	. BRACKET	1	-	-	-
03		. SCREW, Hex hd. cap 3/8"-16 x 1-1/4"	3	-	-	-
04		. NUT, Hex 3/8"-16	3	-	-	-
05		. WASHER, Lock 3/8"	3	4	-	-
06	7Q41	. GUIDE, Cable	3	4	-	-
07	18T13389D2	. PLATE	3	4	-	-
08		. SCREW, Hex hd. cap 5/16"-18 x 7/8"	3	4	-	-
09		. WASHER, Lock 5/16"	5	6	2	-
10	86Q64	. REEL, Conductor cable (Page 16.1)	-	1	-	-
11	16T5304	. PLATE, Mounting	1	1	1	1
12	100N2443-1	. SWITCH ASSEMBLY	1	1	1	1
13	87T37	. ENCLOSURE	1	1	1	1
14	16P4005	. MOUNTING	1	1	1	1

ANTI-TWO BLOCK SWITCH INSTALLATION (Continued)

Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			1	2	3	4	
15	79Z2311	.. SWITCH. ....	1	1	1	1	
16		.. WASHER, Lock #6 . . . . .	2	2	2	2	
17		.. SCREW, Rd. hd. #6-32UNC x 1" . . . . .	2	2	2	2	
18	6P2497	.. LEVER . . . . .	1	1	1	1	
19		.. SCREW, Soc. hd. #10-32UNF x 5/8" . . . . .	4	4	4	4	
20	5Z239D5	.. BUSHING, Nylon . . . . .	2	2	2	2	
21		.. WASHER, Flat 5/16" . . . . .	1	1	1	1	
22		.. WASHER, Lock 5/16" . . . . .	1	1	1	1	
23		.. SCREW, Hex hd. 5/16"-18UNC x 1/2" . . . . .	1	1	1	1	
24	87T35	.. RECEPTACLE ASSEMBLY. . . . .	1	1	1	1	
25		.. SCREW, Rd. hd. #6-32UNC x 1/4" . . . . .	4	4	4	4	
26	44Z485D9	.. CONNECTOR. . . . .	1	1	1	1	
-	45Z91D47	.. O-RING . . . . .	1	1	1	1	
27	20Z1018D4	.. NUT, Bulkhead . . . . .	1	1	1	1	
28	17Z621	.. SPRING . . . . .	1	1	1	1	
29		.. SCREW, Hex hd. cap 1/4"-20 x 1/2" . . . . .	4	4	4	6	
30		.. WASHER, Lock 1/4" . . . . .	4	4	4	6	
31	16T5446	.. BRACKET . . . . .	1	1	1	-	
32	16T5403	.. BRACKET . . . . .	-	-	-	1	
33	32T691	.. CLAMP . . . . .	1	1	1	1	
34		.. SCREW, Hex hd. cap 5/16"-18 x 1" . . . . .	2	2	2	-	
35		.. NUT, Hex 5/16" . . . . .	2	2	2	-	
36	18T12976	.. PLATE, Mounting . . . . .	-	2	-	-	
37	79Z2692D2	.. CONNECTOR, Split bolt . . . . .	2	2	2	2	
38	20Z1667D2	.. SHACKLE, Chain . . . . .	4	4	4	4	
39	20T8987D1	.. CHAIN . . . . .	2	2	2	2	
40	20T8987D2	.. CHAIN . . . . .	1	1	1	1	
41	25P1191D1F1	.. WEIGHT . . . . .	1	1	1	1	
-		.. SCREW, Hex hd. 5/16"-18UNC x 3-1/2" . . . . .	2	2	2	2	
-	20Z1208D2	.. NUT, Lock . . . . .	2	2	2	2	
42	44P1990	.. TUBE ASSEMBLY . . . . .	1	1	-	-	
43	44P2038	.. TUBE ASSEMBLY . . . . .	-	-	1	-	
44	44P2039	.. TUBE ASSEMBLY . . . . .	-	-	-	1	
45	44T574	.. TUBING . . . . .	-	-	-	1	
46	18H8106D20	.. STRIP . . . . .	-	-	-	2	
47	79Z3130D2	.. HARNESS . . . . .	1	-	-	-	
48	79Z3130D1	.. HARNESS . . . . .	-	1	-	-	
49	79Z570D1	.. HARNESS . . . . .	-	-	1	-	
50	8T324	.. FAIRLEAD . . . . .	1	1	1	1	
51	79Q570D2	.. HARNESS . . . . .	-	-	-	1	
52	16T7290	.. ANCHOR. . . . .	1	1	-	-	
53	32Z423D10	.. CLAMP . . . . .	4	4	4	4	
54		.. NUT, Hex jam 3/8"-16 . . . . .	4	4	4	4	
55		.. BUSHING, 1" to 3/4" . . . . .	-	1	-	-	
56		.. NIPPLE, 3/4" x 7" dia. . . . .	-	1	-	-	
57		.. COUPLING . . . . .	-	1	-	-	
58	79Z2090D2	.. CONNECTION, Strain relief . . . . .	-	1	-	-	
59		.. WASHER, Flat 3/8" . . . . .	-	2	-	-	
60		.. SCREW, Hex hd. cap 3/8"-16UNC x 3/4" . . . . .	-	4	-	-	
61	79Z1885D4	.. CONNECTOR, Strain relief . . . . .	2	-	-	-	

# CONTROL ACTIVATION ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
			1	2
-	100J5086-1	CONTROL ACTIVATION ASSY., MAIN WINCH SINGLE SPEED	Y	
-	100J5086-2	CONTROL ACTIVATION ASSY., MAIN WINCH THREE SPEED		Y
01	16T7292	. BRACKET, Mounting . . . . .	1	1
02	16T7293D1	. BRACKET, Mounting . . . . .	1	1
03	16T6524	. BRACKET, Mtg. term . . . . .	1	1
04	79P448	. RELAY . . . . .	1	1
05	36Z1253	. VALVE, Solenoid . . . . .	1	1
-	1075Z722	. . COIL & WAVE WASHER . . . . .	1	1
06	36Z1091D3	. VALVE, 2 way N.O. solenoid . . . . .	1	1
07	44Z421D8	. ELBOW 90° . . . . .	1	1
08	45Z91D165	. . O-RING . . . . .	1	1
09	44Z421D29	. ELBOW, 90° . . . . .	2	2
10	45Z91D165	. . O-RING . . . . .	1	1
11	44Z591D7	. ELBOW, Male 90° . . . . .	1	1

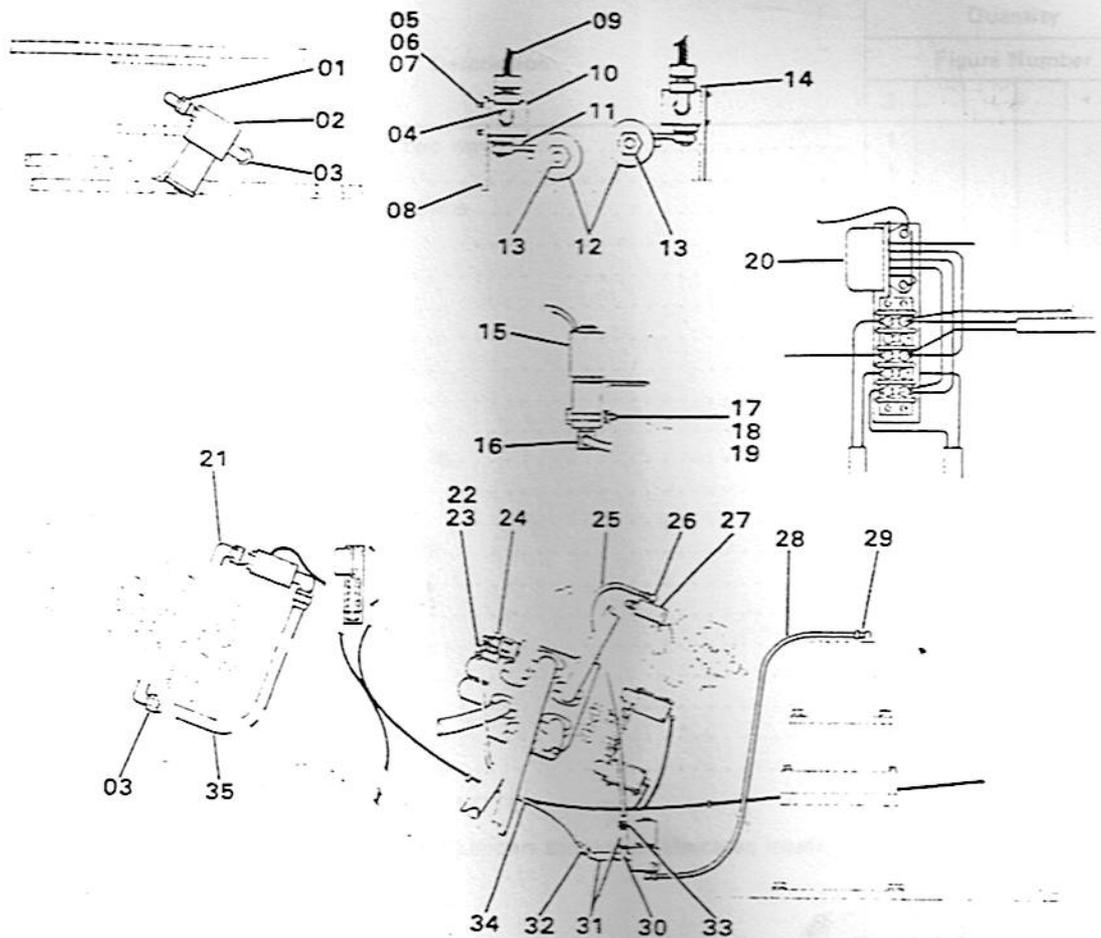
### CONTROL ACTIVATION ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity						
			Figure Number						
			1	2					
12	44Z591D8	. ELBOW, Male 90° . . . . .	-	1					
13	44Z473D5	. ELBOW, Swivel 90° . . . . .	1	1					
14	79Z2090D2	. CONNECTOR, Strain relief . . . . .	1	1					
15	44Z1181D4	. CONNECTOR. . . . .	1	1					
16	44Z590D8	. CONNECTOR. . . . .	1	1					
17	44P432D10	. HOSE ASSEMBLY 19 IN. . . . .	1	1					
18	44P39D4	. HOSE ASSEMBLY 38 IN. . . . .	1	1					
19	44P165D13	. HOSE ASSEMBLY 30 IN. . . . .	-	1					
20	44Z590D7	. CONNECTOR, Male. . . . .	-	1					
21	44Z898D8	. ELBOW, Male 45° . . . . .	1	1					
22	44P165D11	. HOSE ASSEMBLY 24 IN. . . . .	1	1					
23	36Z1237	. VALVE, Relief . . . . .	1	1					
24	36Q262	. VALVE, Relief . . . . .	-	1					
25	36Z816	. VALVE, Check . . . . .	-	2					
26	44Z487D5	. TEE, Run. . . . .	1	1					
27	44Z686D2	. TEE, Service. . . . .	-	1					
28	6Z628	. LEVER, Roller . . . . .	1	1					
29	79Z2652	. SWITCH, Limit . . . . .	1	1					
30	18T14032	. WASHER. . . . .	1	1					
31		. NUT, Hex jam 5/16 in.-24 . . . . .	1	1					
32		. SCREW, Rd. hd. mach. #10-32 x 3/8 in. . . . .	2	2					
33		. WASHER, Lock #10 . . . . .	8	8					
34		. WASHER, Flat #10 . . . . .	2	2					
35	79Z2303D7	. CABLE, Power 14-2 x 192 in. . . . .	1	1					
36	79Z2303D19	. CABLE, Power 16-2 x 48 in. . . . .	1	1					
37		. SCREW, Rd. hd. mach. 1/4 in.-20 x 2 in. . . . .	2	2					
38		. NUT, Hex 1/4 in.-20. . . . .	2	2					
39		. WASHER, Lock 1/4 in. . . . .	2	2					
40		. SCREW, Rd. hd. mach #10-32UNF x 1/2 in. . . . .	6	6					

NOTE

All individual wires, leads and jumper should be fabricated locally.

### CONTROL ACTIVATION ASSEMBLY



Ref.	OPTION	Description	Quantity			
	Part Number		Figure Number			
-	100J5086-3	CONTROL ACTIVATION DEVICE - THREE SPEED W/AUX. WINCH	3			
01	44Z1181D4	. CONNECTOR. . . . .	1			
02	36Z1253	. VALVE, Solenoid . . . . .	1			
-	1075Z722	. . COIL & WAVE WASHER . . . . .	1			
03	44Z421D29	. ELBOW, 90° . . . . .	2			
04	79Z2090D2	. CONNECTOR, Strain relief . . . . .	2			
05		. SCREW, Round head machine . . . . .	4			
06		. LOCKWASHER #10 . . . . .	10			
07		. FLATWASHER #10 . . . . .	4			
08	16T7293D2	. BRACKET, Mounting. . . . .	1			
09	79Z2303D19	. CABLE, Power . . . . .	2			
10	79Z2652	. SWITCH, Limit. . . . .	2			
11	6Z628	. LEVER, Roller. . . . .	2			
12	18T14032	. WASHER. . . . .	2			
13		. NUT, Hex jam 5/16-24 . . . . .	2			
14	16T7293D1	. BRACKET, Mounting. . . . .	1			

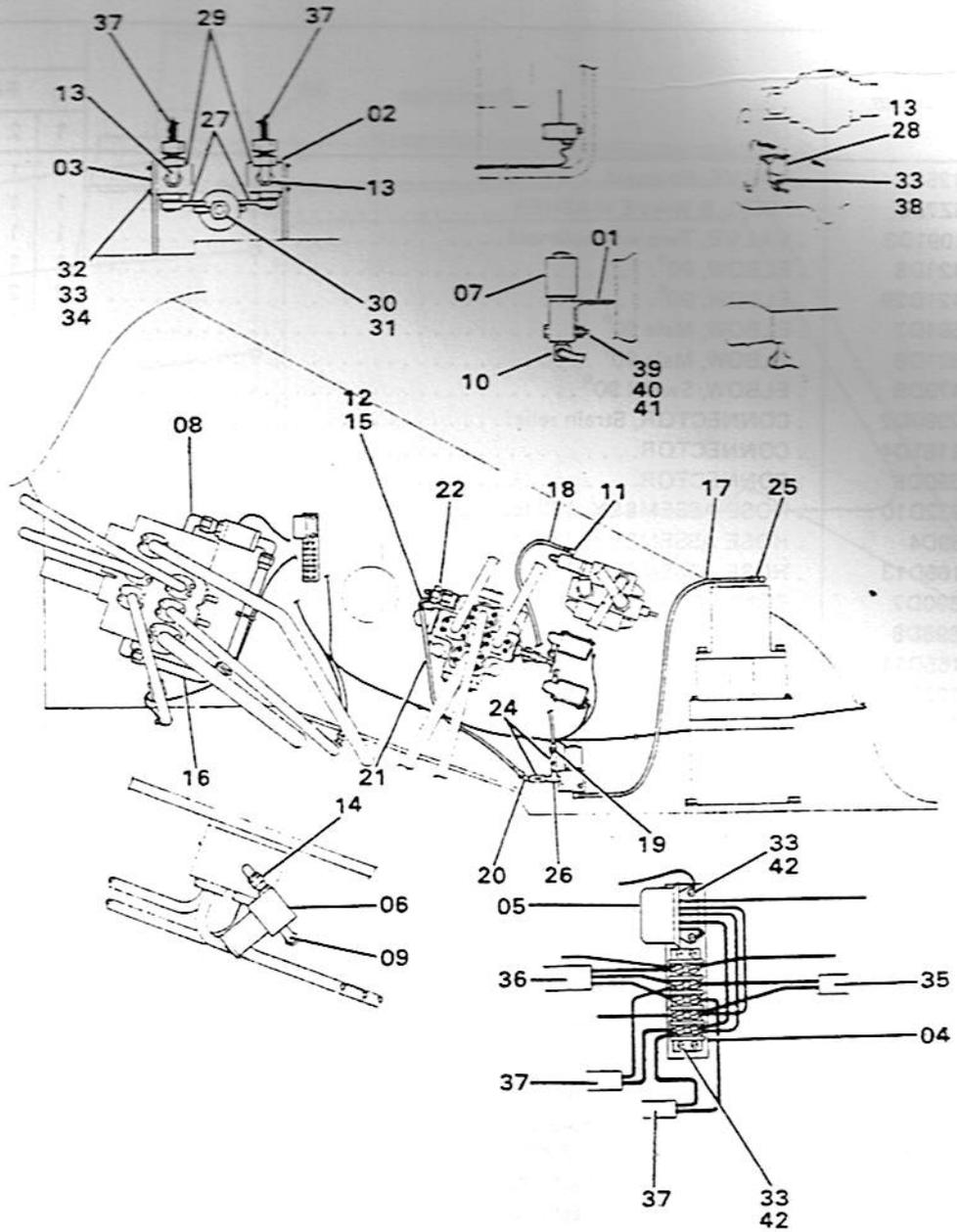
### CONTROL ACTIVATION ASSEMBLY (Continued)

Ref.	OPTION	Description	Quantity				
	Part Number		Figure Number				
			3	4	5	6	7
15	36Z1091D3	. VALVE, Solenoid N.O. two way . . . . .	1				
16	44Z591D7	. ELBOW, 90° . . . . .	1				
17		. SCREW, Round head machine . . . . .	2				
18		. NUT, Hex 1/4-20 . . . . .	2				
19		. LOCKWASHER, 1/4 in. . . . .	2				
20	16T6524	. RELAY . . . . .	1				
21	44Z421D8	. ELBOW, 90° . . . . .	1				
22	44Z473D5	. ELBOW, 90° swivel . . . . .	1				
23	44Z590D8	. CONNECTOR. . . . .	1				
24	36Z1237	. VALVE, Relief . . . . .	1				
25	44P165D13	. HOSE ASSEMBLY, 30 in. lg. . . . .	1				
26	44Z591D8	. ELBOW, Male 90° . . . . .	1				
27	36Q262	. VALVE, Relief . . . . .	1				
28	44P39D4	. HOSE ASSEMBLY, 38 in. lg. . . . .	1				
29	44Z487D5	. TEE, Run. . . . .	1				
30	44Z686D2	. TEE, Service. . . . .	1				
31	36Z816	. VALVE, Check. . . . .	2				
32	44Z898D8	. ELBOW, Male 45° . . . . .	1				
33	44Z590D7	. CONNECTOR, Male. . . . .	1				
34	44P165D11	. HOSE ASSEMBLY, 24 in. lg. . . . .	1				
35	44P432D10	. HOSE ASSEMBLY, 19 in. lg. . . . .	1				

**NOTE**

All individual wires, leads and jumpers should be fabricated locally.

# CONTROL ACTIVATION ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2		
-	100J5087-1	CONTROL ACTIVATION ASSY., MAIN WINCH, SINGLE SPEED	1	1		
-	100J5087-2	CONTROL ACTIVATION ASSY., MAIN WINCH, THREE SPEED		1		
01	16T7292	. BRACKET, Mtg . . . . .	1	1		
02	16T7293D1	. BRACKET, Mtg . . . . .	1	1		
03	16T7293D2	. BRACKET, Mtg . . . . .	1	1		
04	16T6524	. BRACKET, Mtg. terminal . . . . .	1	1		
05	79P448	. RELAY . . . . .	1	1		

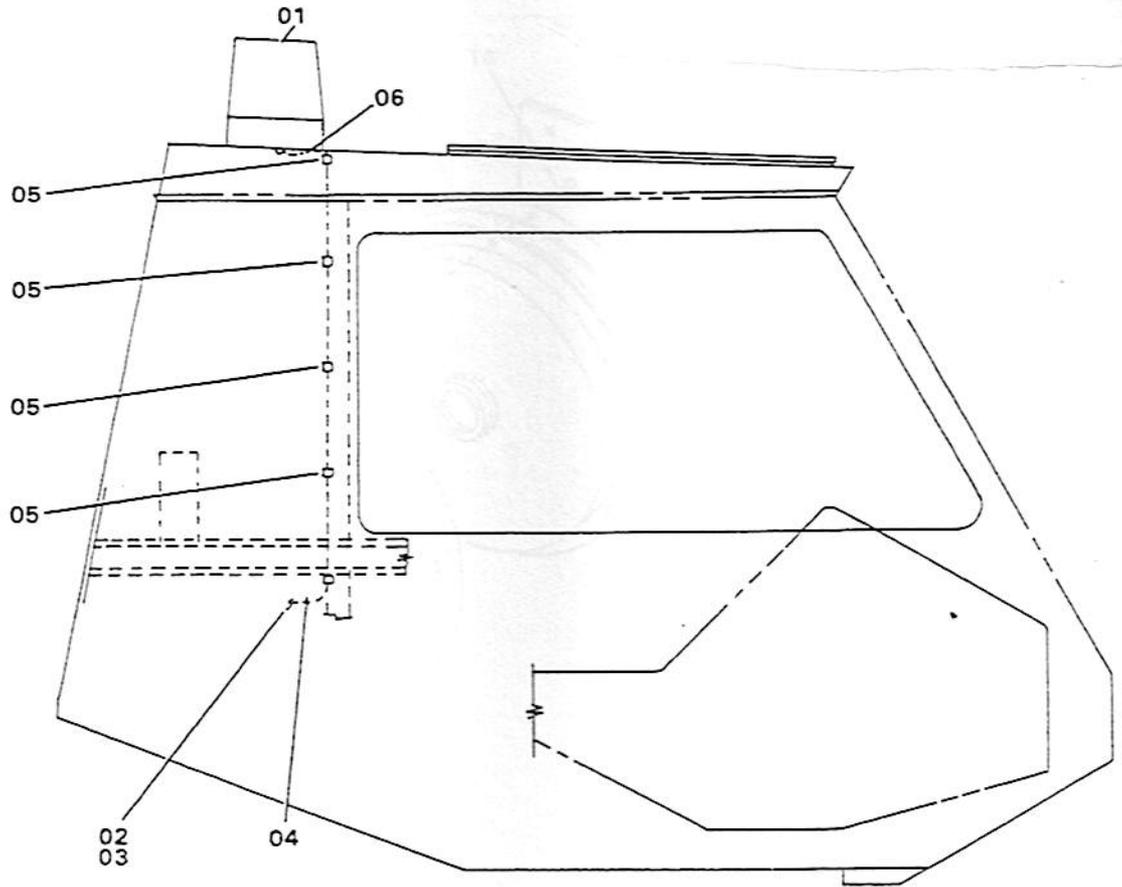
### CONTROL ACTIVATION ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			1	2				
06	36Z1253	. VALVE, Solenoid . . . . .	1	1				
-	1075Z722	. . COIL & WAVE WASHER . . . . .	1	1				
07	36Z1091D3	. VALVE, Two way solenoid . . . . .	1	1				
08	44Z421D8	. ELBOW, 90° . . . . .	1	1				
09	44Z421D29	. ELBOW, 90° . . . . .	2	2				
10	44Z591D7	. ELBOW, Male 90° . . . . .	1	1				
11	44Z591D8	. ELBOW, Male 90° . . . . .	-	1				
12	44Z473D5	. ELBOW, Swivel 90° . . . . .	1	1				
13	79Z2090D2	. CONNECTOR, Strain relief . . . . .	3	3				
14	44Z1181D4	. CONNECTOR. . . . .	1	1				
15	44Z590D8	. CONNECTOR. . . . .	1	1				
16	44P932D10	. HOSE ASSEMBLY, 19" lg . . . . .	1	1				
17	44P39D4	. HOSE ASSEMBLY, 38" lg . . . . .	1	1				
18	44P165D13	. HOSE ASSEMBLY, 30" lg . . . . .	-	1				
19	44Z590D7	. CONNECTOR, Male. . . . .	1	-				
20	44Z898D8	. ELBOW, Male 45° . . . . .	1	1				
21	44P165D11	. HOSE ASSEMBLY, 24" . . . . .	1	1				
22	36Z1237	. VALVE, Relief . . . . .	-	1				
23	36Q262	. VALVE, Relief . . . . .	-	2				
24	36Z816	. VALVE, Check . . . . .	1	1				
25	44Z487D5	. TEE, Run. . . . .	-	1				
26	44Z686D2	. TEE, Service. . . . .	2	2				
27	6Z628	. LEVER, Roller . . . . .	1	1				
28	79Z3131	. SWITCH, Limit. . . . .	2	2				
29	79Z2652	. SWITCH, Limit. . . . .	1	1				
30	18T14032	. WASHER. . . . .	1	1				
31		. NUT, Hex. jam 5/16"-24 . . . . .	4	4				
32		. SCREW, Rd. hd. mach. #10-32 x 3/8" lg . . . . .	12	12				
33		. WASHER, Lock #10 . . . . .	4	4				
34		. WASHER, Flat #10 . . . . .	1	1				
35	79Z2303D7	. CABLE, Power 14-2 x 192" . . . . .	1	1				
36	79Z2303D20	. CABLE, Power 16-3 x 84" . . . . .	2	2				
37	79Z2303D19	. CABLE, Power 16-2 x 48" . . . . .	2	2				
38		. SCREW, Rd. hd. mach. #10-24 x 1-1/4" lg . . . . .	2	2				
39		. SCREW, Rd. hd. mach. 1/4-20 x 2" lg . . . . .	2	2				
40		. NUT, Hex 1/4-20 . . . . .	2	2				
41		. WASHER, Lock 1/4" . . . . .	2	2				
42		. SCREW, Rd. hd. mach. #10-32UNF x 1/2" lg . . . . .	6	6				

**NOTE**

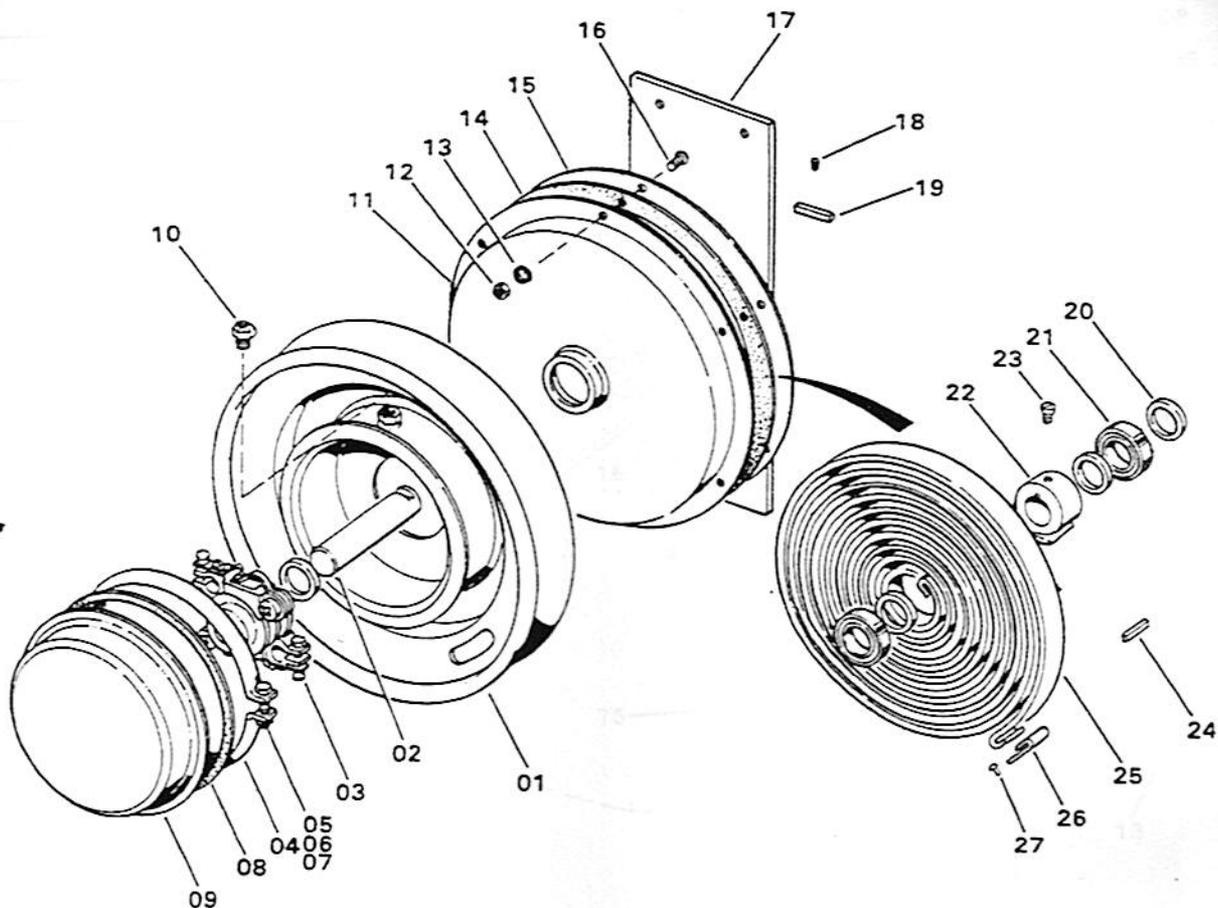
All individual wires, leads and jumpers should be fabricated locally.

## ROTATING LIGHT INSTALLATION



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
—	956J12-1	ROTATING LIGHT INSTALLATION	1			
01	56Z274D1	. BEACON, Rotating . . . . .	1			
02	32Z1765	. DECAL, Rotary light . . . . .	1			
03	79Z2400D2	. SWITCH, Toggle . . . . .	1			
04	20F57D1	. GROMMET . . . . .	1			
05	32Z1398D1	. CLAMP, Adhesive back. . . . .	5			
06	20Z1282D1	. FASTENER, Self drilling . . . . .	3			

### CABLE REEL ASSEMBLY

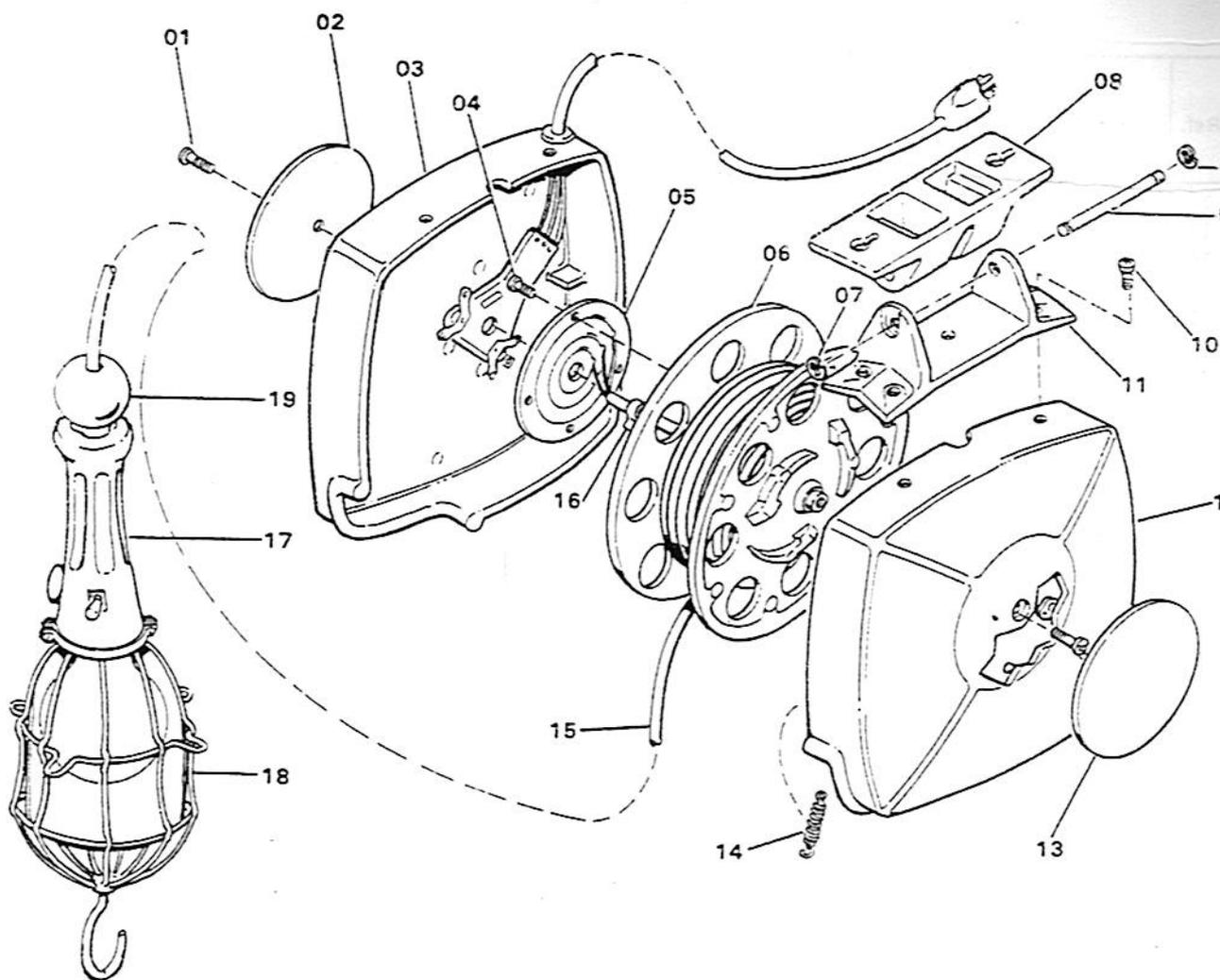


Ref.	Part Number	Description	Quantity				
			Figure Number				
-	86Q64	CABLE REEL ASSEMBLY					
01	1018Z5924	. SPOOL ASSY., Cable	1				
02	1010Z1269	. SHAFT, Reel	1				
03	1077Z38	. RING ASSY., Collector	1				
-	1073Z137	. BRUSH ASSY.	2				
-	1017Z1140	. SPRING, Brush	1				
04	1018Z5926	. COUPLING ASSY.	1				
05		. SCREW, Hex hd. cap 1/4-20UNC x 2-1/2 in.	1				
06		. WASHER, Lock 1/4 in.	1				
07		. NUT, Hex 1/4-20UNC.	1				
08	1020Z5976	. GASKET, Coupling	1				
09	1014Z1786	. COVER, Collector ring	1				
10	1079Z1581	. CONNECTOR, Watertight.	1				
11	1014Z1787	. COVER ASSY., Spring	1				
12		. NUT, Hex 1/4-20UNC.	6				
13		. WASHER, Lock 1/4 in.	6				
14	1020Z5973	. GASKET, Spring cover	1				
15		. COVER, Spring	1				

CABLE REEL ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity				
			Figure Number				
16	1016Z466	.. BOLT, Rd. hd. 1/4-20UNC x 1/2 in. ....	6				
17		. BRACKET ASSY., Mounting. ....	1				
18		.. SCREW, Set 3/8-16UNC x 1/2 in. ....	2				
19	1018Z5923	.. KEY, Shaft 1/4 x 1/4 x 1-1/2 in. lg. ....	1				
20		. SPACER, Bearing ....	4				
21	1025Z2109	. BEARING, Ball. ....	2				
22	1018Z5925	. COLLAR ASSY., Spring release ....	1				
23	1017Z1141	.. SCREW, Set 3/8-16UNC x 1/2 in. ....	2				
24		.. KEY, Collar 1/4 x 1/4 x 1 in. lg. ....	1				
25	1032Z306	. SPRING, Spool. ....	1				
26		. CATCH ASSY., Spring ....	1				
27		.. RIVET, Spring catch ....	1				

# REEL-ELECTRIC

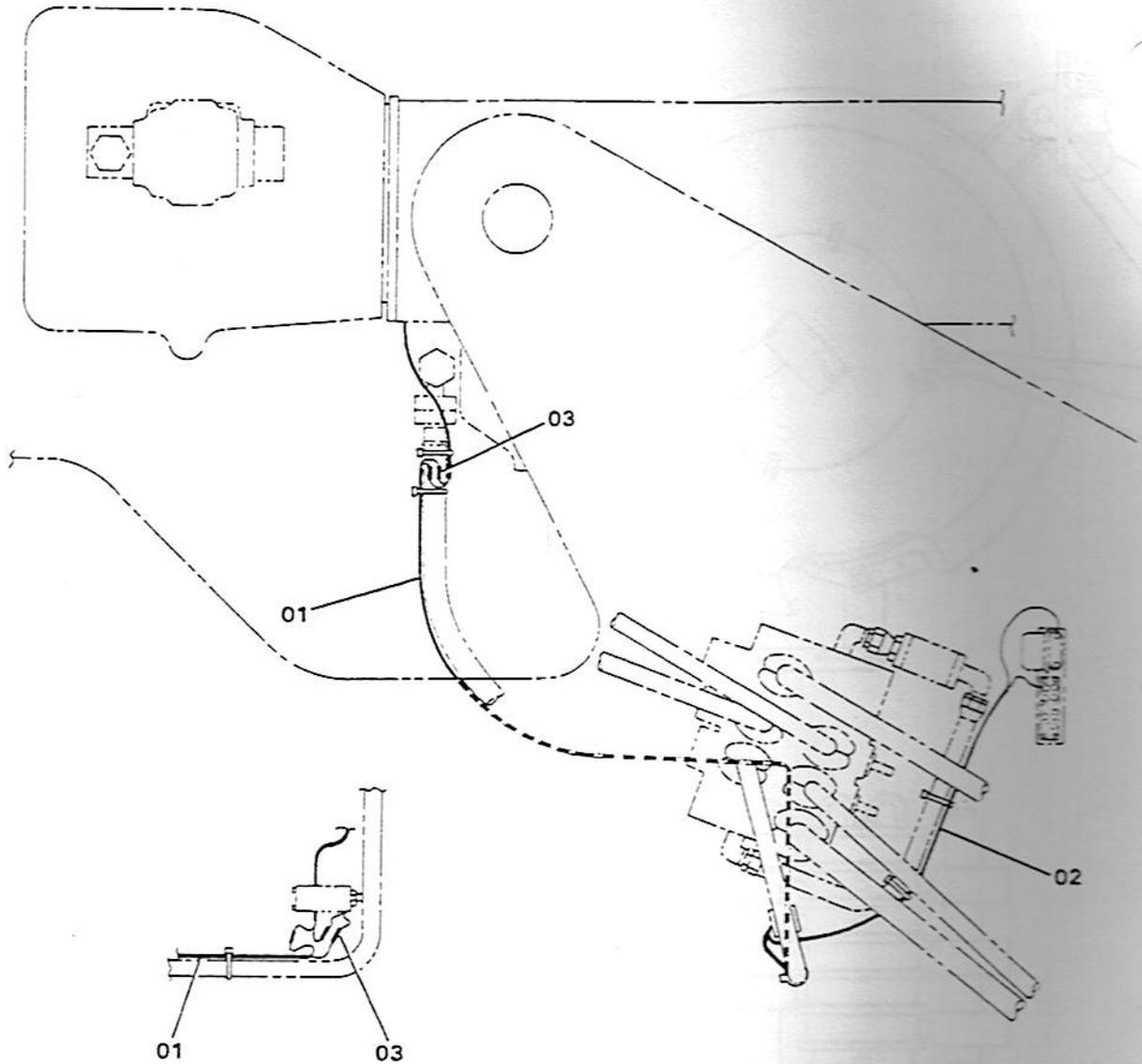


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	86Z100	REEL, ELECTRIC				
01		. SCREW, Truss hd. 1/4 in. -20 x 5/16 in. lg.	2			
02	103Z2318	. NAMEPLATE	1			
03	1014Z1850	. HOUSING ASSY.	1			
04		. SCREW, Phil. hd. #6-32 x 1/4 in. lg.	4			
05	1077Z39	. RING, Slip	1			
06	1018Z6048	. SPOOL & SPRING ASSY.	1			
07	1018Z6047	. RING, Snap	2			
08	1016Z489	. BRACKET, Mtg.	1			
09	1019Z1156	. PIN, Support	1			
10		. SCREW, Phil. hd. #10-24 x 1/2 in. lg.	4			
11	1016Z488	. BRACKET, Swivel mtg.	1			

REEL-ELECTRIC (Continued)

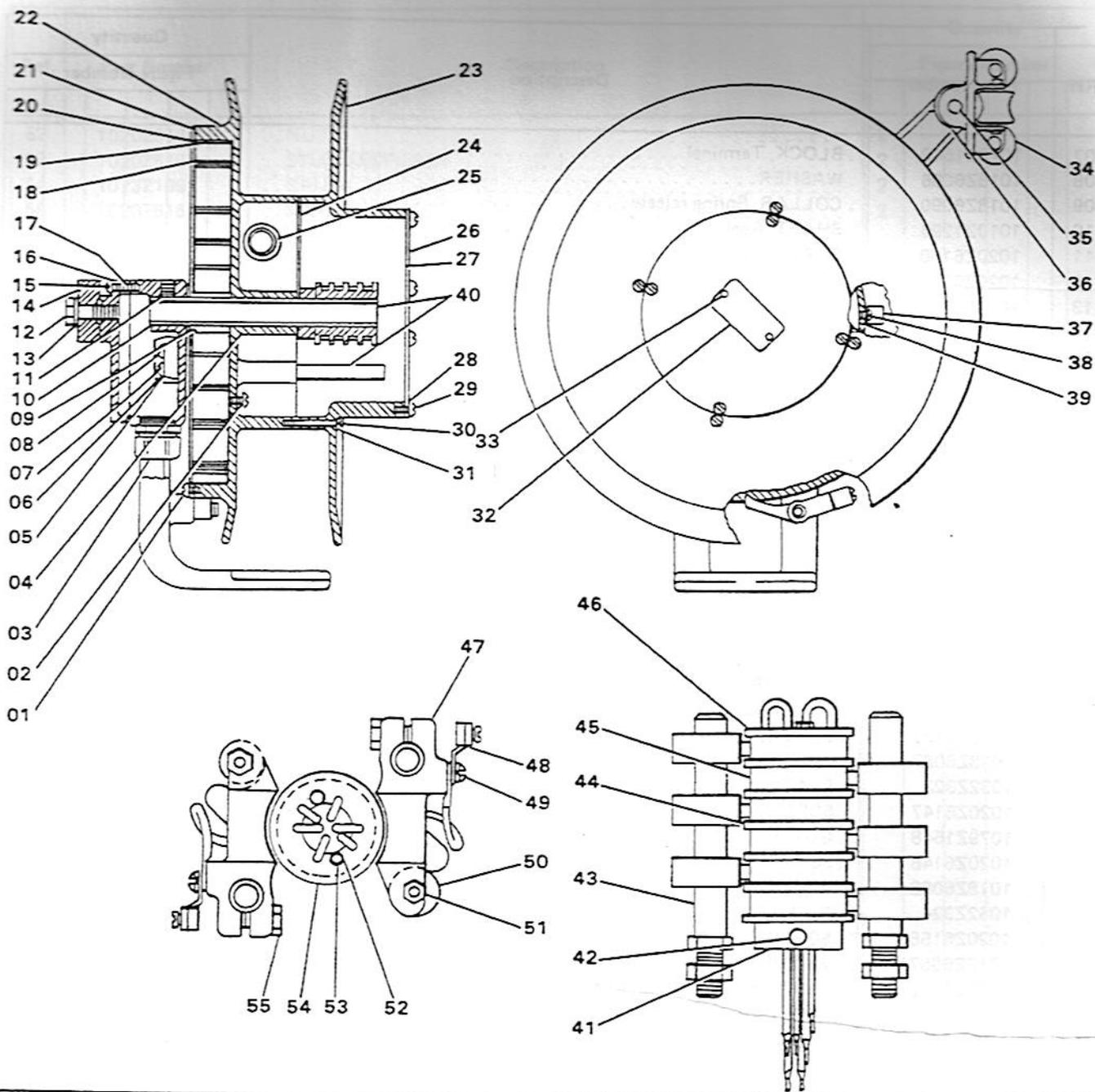
Ref.	Part Number	Description	Quantity				
			Figure Number				
12	1014Z1849	. HOUSING ASSY. ....	1				
13	1032Z318	. NAMEPLATE. ....	1				
14	1017Z1154	. SPRING, Ratchet ....	1				
15	1086Z64	. CABLE, Working. ....	1				
16	1020Z6081	. GROMMET ....	1				
17	1006Z881	. HANDLE. ....	1				
18	1014Z1848	. GUARD. ....	1				
19	1025Z2155	. STOP, Ball. ....	1				

### BOOM WIRING – SOLENOID VALVE



Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
-	979N100-1	WIRING, BOOM-SOLENOID VALVE	1				
01	79Z2303D16	. CABLE, Power 18-2 x 72" . . . . .	1				
02	79Z2303D16	. CABLE, Power 18-2 x 30" . . . . .	1				
03	79Z703D16	. CONNECTOR, Butt. . . . .	5				

# REEL - CONDUCTOR CABLE



Ref.	Part Number	Description	Quantity			
			Figure Number			
-	86Z90	REEL, CONDUCTOR CABLE				
01	1020Z6153	. SCREW, Spring cover . . . . .	6			
02	1020Z6149	. SCREW, Ground . . . . .	1			
03	1079Z1647	. CONNECTOR, Watertight. . . . .	1			
04	1025Z2165	. BEARING, Flange . . . . .	2			
05	1018Z6087	. WASHER, Lock . . . . .	13			
06	1020Z6151	. SCREW, Terminal block . . . . .	4			

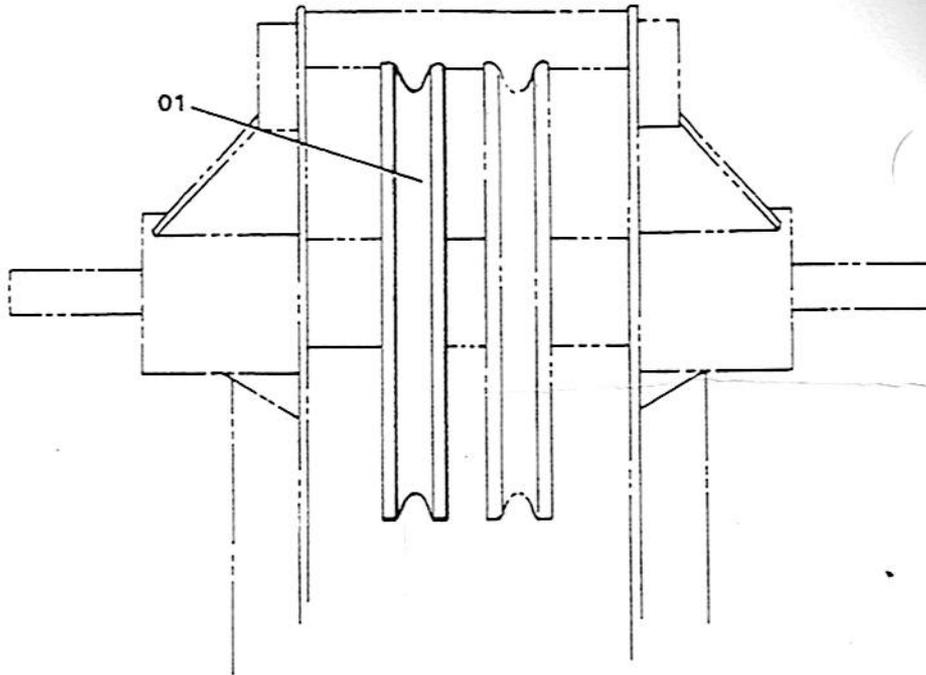
REEL - CONDUCTOR CABLE (Continued)

Ref.	Part Number	Description	Quantity				
			Figure Number				
07	1079Z1649	. BLOCK, Terminal . . . . .	1				
08	1018Z6086	. WASHER . . . . .	1				
09	1018Z6090	. COLLAR, Spring release . . . . .	1				
10	1010Z1296	. SHAFT, Reel . . . . .	1				
11	1020Z6150	. SCREW, Set . . . . .	1				
12	1020Z6156	. SCREW, Cable guide arm . . . . .	1				
13	1018Z6089	. WASHER, Lock . . . . .	1				
14	1073Z138	. ARM, Cable guide . . . . .	1				
15	1020Z6152	. SCREW, Frame cover . . . . .	6				
16	1014Z1875	. COVER, Frame . . . . .	1				
17	1020Z6145	. GASKET, Frame cover . . . . .	1				
18	1017Z1161	. SPRING . . . . .	1				
19	1020Z6165	. RIVET, Spring catch . . . . .	1				
20	1032Z326	. CATCH, Spring . . . . .	1				
21	1014Z1873	. COVER, Spring . . . . .	1				
22	1018Z6092	. FLANGE, Back . . . . .	1				
23	1018Z6093	. FLANGE, Front . . . . .	1				
24	1020Z6146	. GASKET, Flange . . . . .	1				
25	1079Z1646	. CONNECTOR, Watertight . . . . .	1				
26	1014Z1874	. COVER, Collector ring . . . . .	1				
27	1020Z6146	. GASKET, Flange . . . . .	1				
28	1018Z6087	. WASHER, Lock . . . . .	13				
29	1020Z6155	. SCREW, Collector ring cover . . . . .	4				
30	1020Z6154	. SCREW, Flange . . . . .	4				
31	1018Z6087	. WASHER, Lock . . . . .	13				
32	1032Z323	. PLATE, Name . . . . .	1				
33	1020Z6147	. SCREW, Drive . . . . .	2				
34	1079Z1648	. GUIDE, Cable . . . . .	1				
35	1020Z6148	. SCREW, Cable guide . . . . .	1				
36	1018Z6088	. WASHER, Set . . . . .	1				
37	1032Z324	. CLAMP, Cable . . . . .	1				
38	1020Z6155	. SCREW, Cable clamp . . . . .	1				
39	1018Z6087	. WASHER, Lock . . . . .	13				
40	1077Z40	. RING ASSEMBLY, Collector . . . . .	1				
41	1018Z6091	. COLLAR, Drive . . . . .	1				
42	1020Z6158	. SCREW, Set . . . . .	2				
43	1020Z6166	. STUD ASSEMBLY, Brush . . . . .	2				
-	1020Z6167	. STUD . . . . .	2				
-	1020Z6162	. NUT . . . . .	4				
-	1087Z131	. BUSHING, Insulator . . . . .	2				
44	1070Z1	. RING, Insulator . . . . .	2				
45	1018Z6085	. RING, Brass . . . . .	2				
46	1032Z325	. PLATE, Insulator end . . . . .	1				
47	1073Z140	. HOLDER, Brush . . . . .	2				
48	1079Z1645	. CONNECTOR . . . . .	2				
49	1020Z6159	. SCREW, Binder . . . . .	2				
50	1017Z1140	. SPRING, Brush . . . . .	2				
51	1020Z6157	. SCREW ASSEMBLY, Spring tension . . . . .	2				
-	1020Z6163	. NUT . . . . .	2				
-	1020Z6160	. SCREW . . . . .	2				

REEL - CONDUCTOR CABLE (Continued)

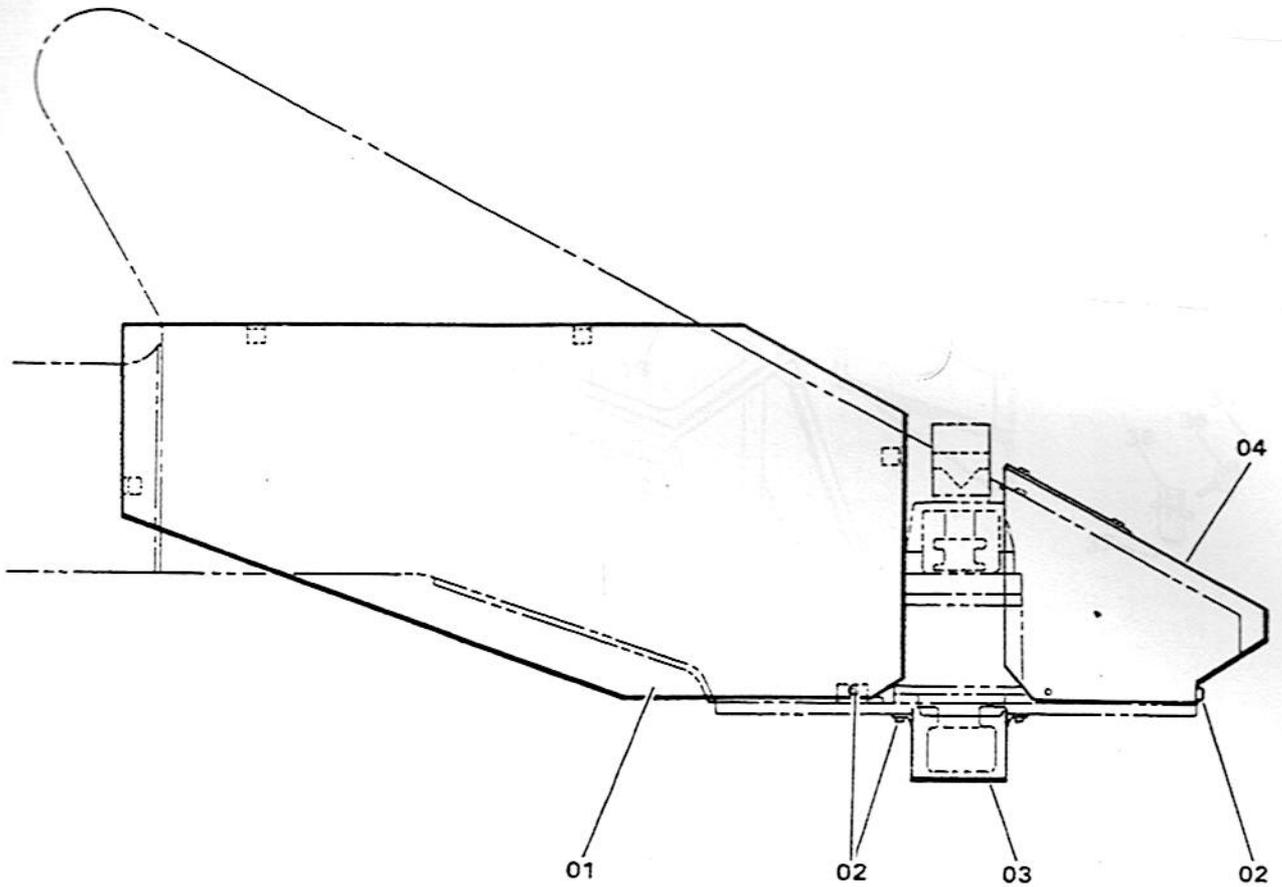
Ref.	Part Number	Description	Quantity				
			Figure Number				
52	1020Z6164	.. NUT .....	2				
53	1020Z6168	.. STUD ASSEMBLY .....	2				
54	1073Z139	.. BRUSH .....	2				
55	1020Z6161	.. SCREW, Cap. ....	2				

## SHEAVE INSTALLATION – ADDITIONAL IDLER



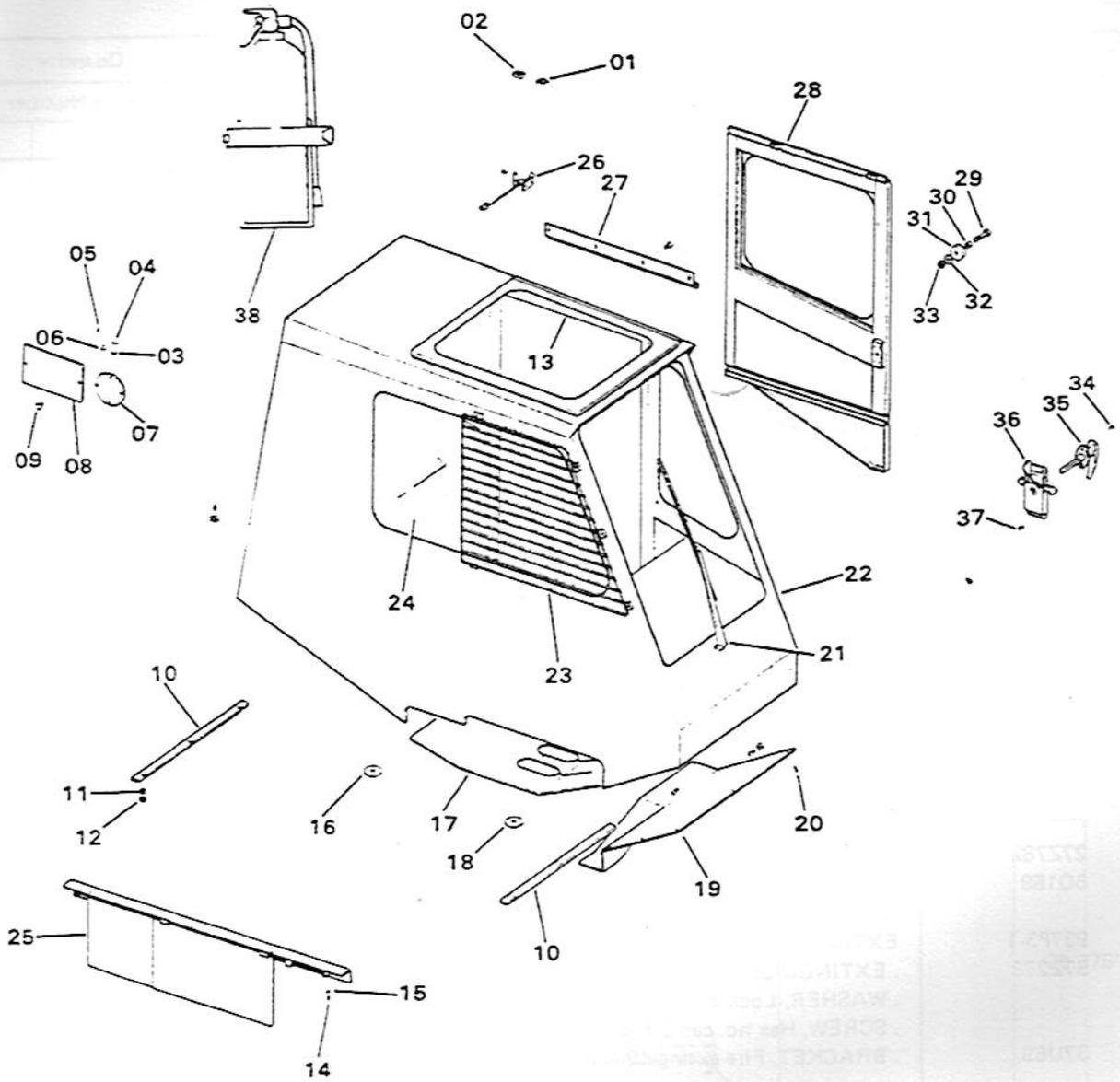
Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
—	907N9-1	SHEAVE INSTALL. – ADDITIONAL IDLER	1			
01	907N13F1	.. SHEAVE ASSY. ....	1			
—		.. SHEAVE .....	1			
—	5Z368D5	.. BUSHING .....	1			
—	18P6134	.. FLANGE .....	1			
—	18P4664	.. FLANGE .....	1			
—	0620V506	.. SCREW, Hex soc. fl. hd. cap 1/4 in.—20UNC x 2-1/2 in. ....	6			
—	18Z1732D12	.. WASHER, Lock 1/4 in. conical (serrated) .....	6			
—	0680V022	.. SCREW, Soc. hd. set 1/4 in.—20UNC. ....	2			
—	44Z1D28	.. FITTING, Lube. ....	1			

## UPPER SHEET METAL ASSEMBLIES



Ref.	Part Number	Description	Quantity					
			Figure Number					
			3	1				
-	927J212-3	SHEET METAL ASSY. - FRONT						
-	927J221-1	VALVE COVER ASSY. - SIDE						
01	27P3187	. COVER, Valve	-	1				
02	20Z1775D3	. SCREW, Hex hd. cap 3/8-16UNC x 3/4 in.	9	5				
03	14P2788	. GUARD, Swing pinion	1	-				
04	27P3234	. COVER, Front	1	-				
05	100J5063-2	GUARD, Stewing rim (not shown)	1	-				

### CAB INSTALLATION



Ref.	Part Number	Description	Quantity				
			Figure Number				
-	927J211-4	CAB INSTALLATION	4				
01	32Z964D1	. PLUG, 1/4 . . . . .	1				
02	32Z964D6	. PLUG, 3/4 . . . . .	1				
-	932T34-2	. PLUG KIT, Heater hole . . . . .	1				
03	44Z1392D5	. . PLUG, Button . . . . .	1				
04	44Z1392D11	. . PLUG, Button . . . . .	1				
05	20Z1282D1	. . FASTENER, Self drilling. . . . .	4				
06	44Z1392D15	. . PLUG, Button . . . . .	1				
07	27T2054	. . PLATE, Defroster cover . . . . .	1				
08	27T2059	. . PLATE . . . . .	1				
09		. . SCREW, Plated hex hd. cap 1/4-20UNC x 1/2 in. . . . .	6				

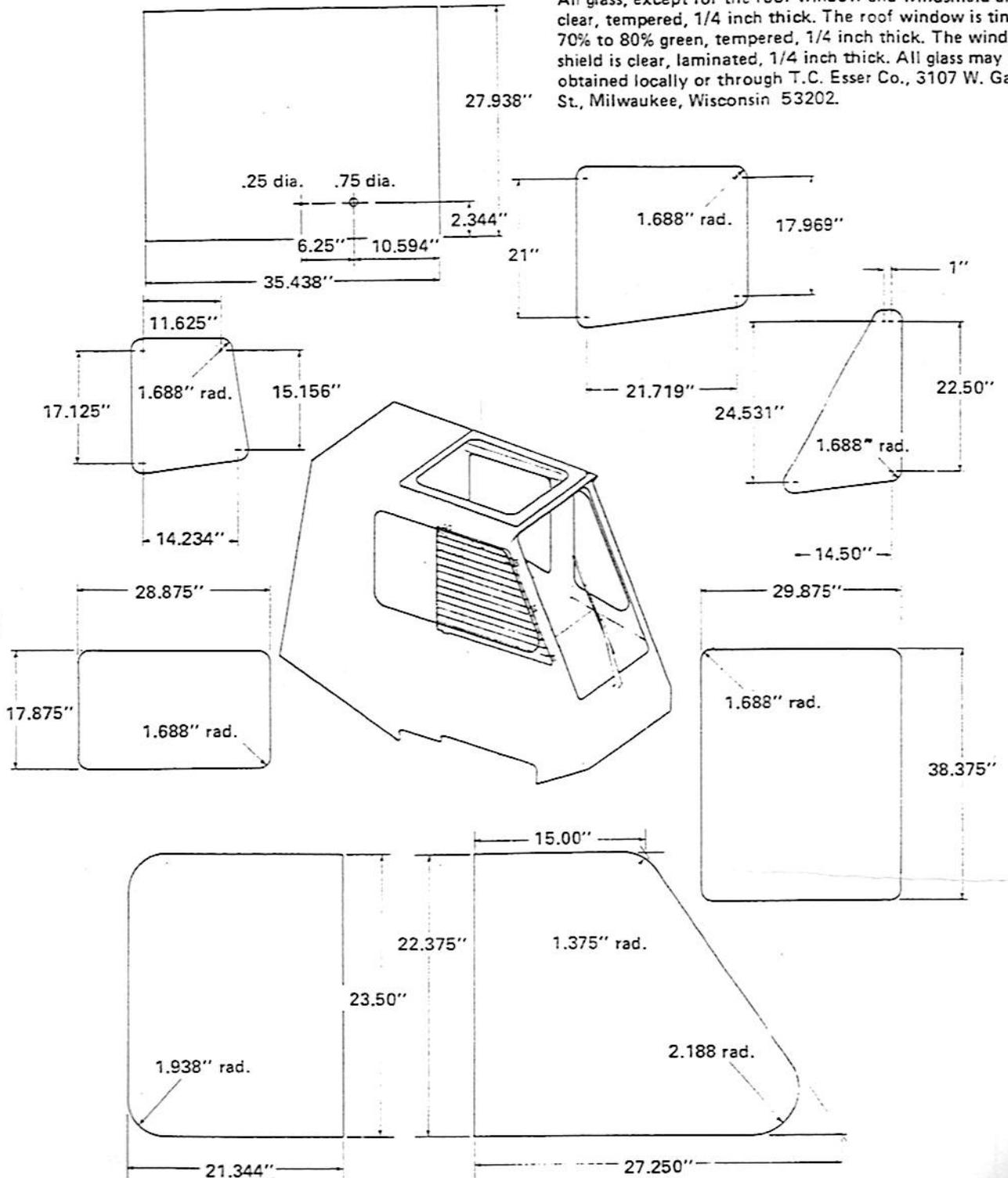
CAB INSTALLATION (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			4			
10	16Z564	. PAD, Mounting . . . . .	2			
11		. WASHER, Flat 7/16 in. . . . .	6			
12		. NUT, Lock 7/16-14UNC . . . . .	6			
16	18H3892D444	. WASHER, Rear . . . . .	2			
17	14R8	. MAT, Floor . . . . .	1			
18	18H3892D436	. WASHER, Front . . . . .	2			
19	27N3308	. COVER, Front . . . . .	1			
20	20Z1703D29	. SCREW, 1/4-20UNC . . . . .	10			
21	988N3-1	. FRONT WIPER ASSY. (Page 4.1) . . . . .	1			
-	927J294F2	. CAB ASSY. . . . .	1			
22	27J2140	.. CAB . . . . .	1			
23	14R7	.. GUARD, Window . . . . .	1			
24	27N3287	.. SHELF, Cab . . . . .	1			
25	18N1757	.. PLATE, Decal . . . . .	2			
26	27Z1048	.. BRACKET, Skylight . . . . .	2			
27	27P3250	.. BRACKET, Door track . . . . .	1			
-	927J296F1	.. DOOR ASSY. . . . .	1			
28	27J2131	... DOOR, Cab. . . . .	1			
29		... SCREW, Hex hd. cap 1/4-20UNC x 1-1/2 in. . . . .	2			
30	27T2073	... SPACER. . . . .	2			
31	27Z978	... ROLLER, Cab door . . . . .	2			
32		... WASHER, Flat 1/4 in. . . . .	2			
33		... NUT, Lock 1/4-20UNC . . . . .	2			
34		... SCREW, Slotted flat hd. mach., 10-32UNF x 1/2 in. . . . .	2			
35	27Z782	... HANDLE, Door. . . . .	1			
36	6Q159	... LOCK, Sliding door . . . . .	1			
37		... SCREW, Slotted round hd. mach., 10-32UNF x 1/2 in. . . . .	4			
38	937P3-1	EXTINGUISHER INSTALL. FIRE . . . . .	1			
-	37Z273	. EXTINGUISHER, Fire . . . . .	1			
-		. WASHER, Lock 3/8 in. . . . .	4			
-		. SCREW, Hex hd. cap 3/8 in.-16 x 5/8 in. . . . .	4			
-	37U69	. BRACKET, Fire extinguisher. . . . .	1			

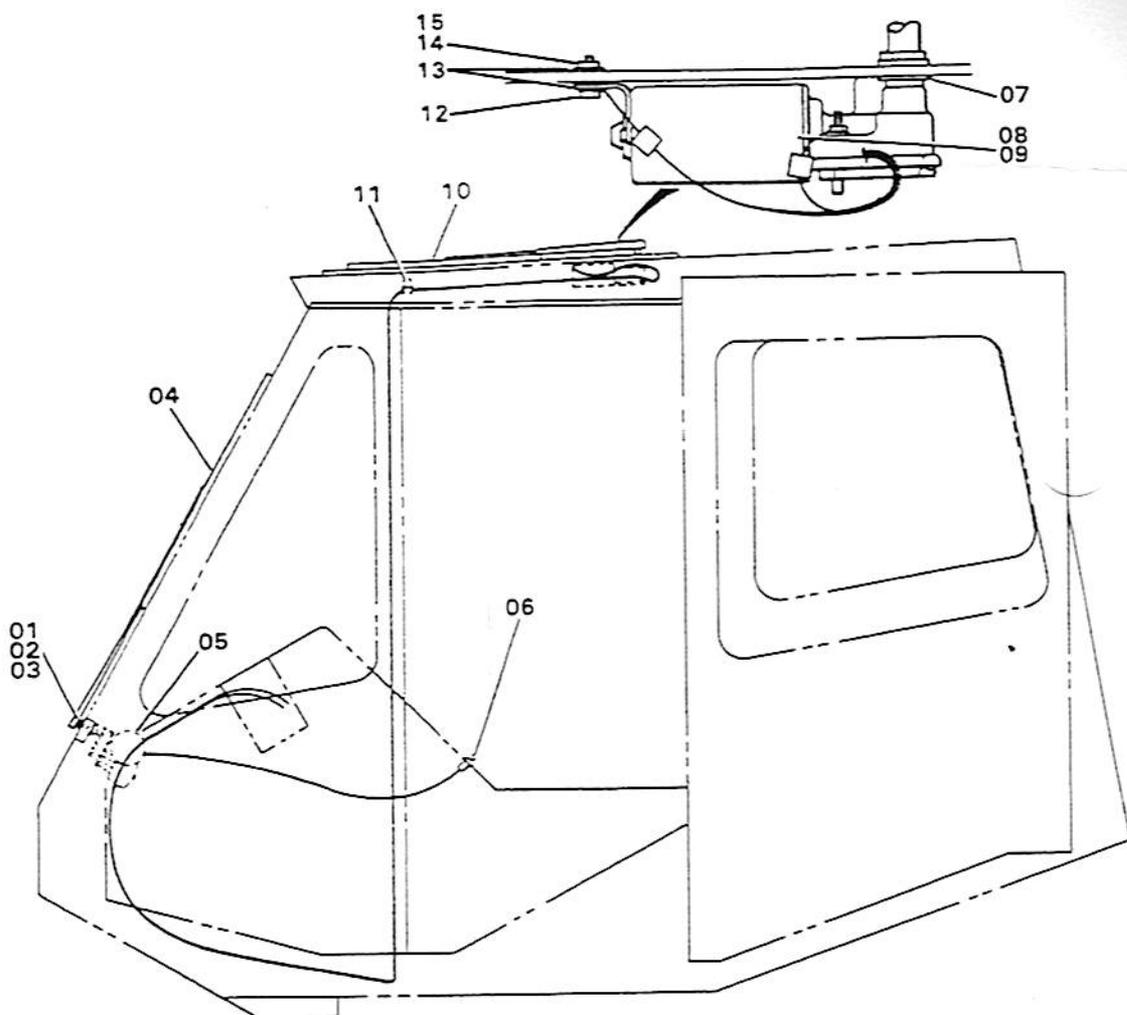
# CAB GLASS

## NOTE

All glass, except for the roof window and windshield are clear, tempered, 1/4 inch thick. The roof window is tinted 70% to 80% green, tempered, 1/4 inch thick. The windshield is clear, laminated, 1/4 inch thick. All glass may be obtained locally or through T.C. Esser Co., 3107 W. Galena St., Milwaukee, Wisconsin 53202.

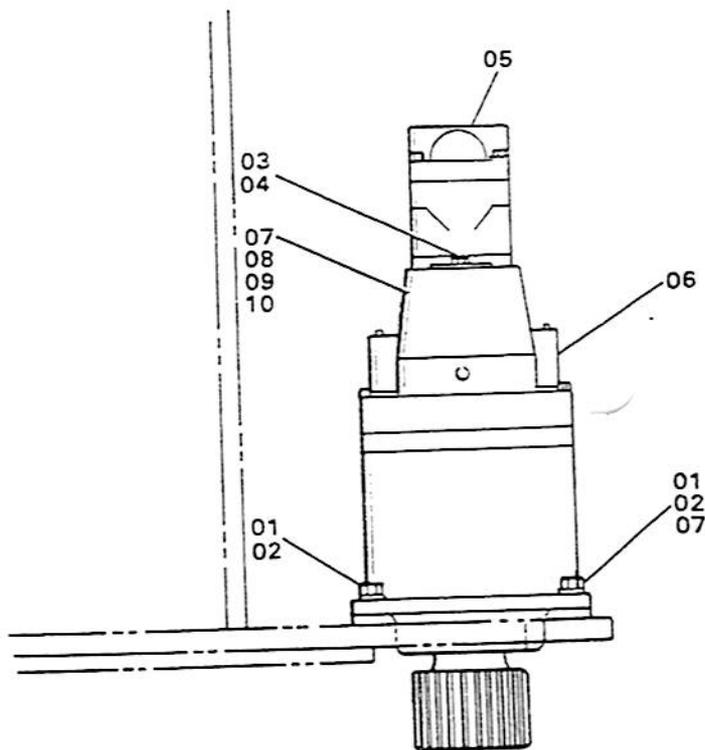


## ROOF AND WINDSHIELD WIPER INSTALLATIONS



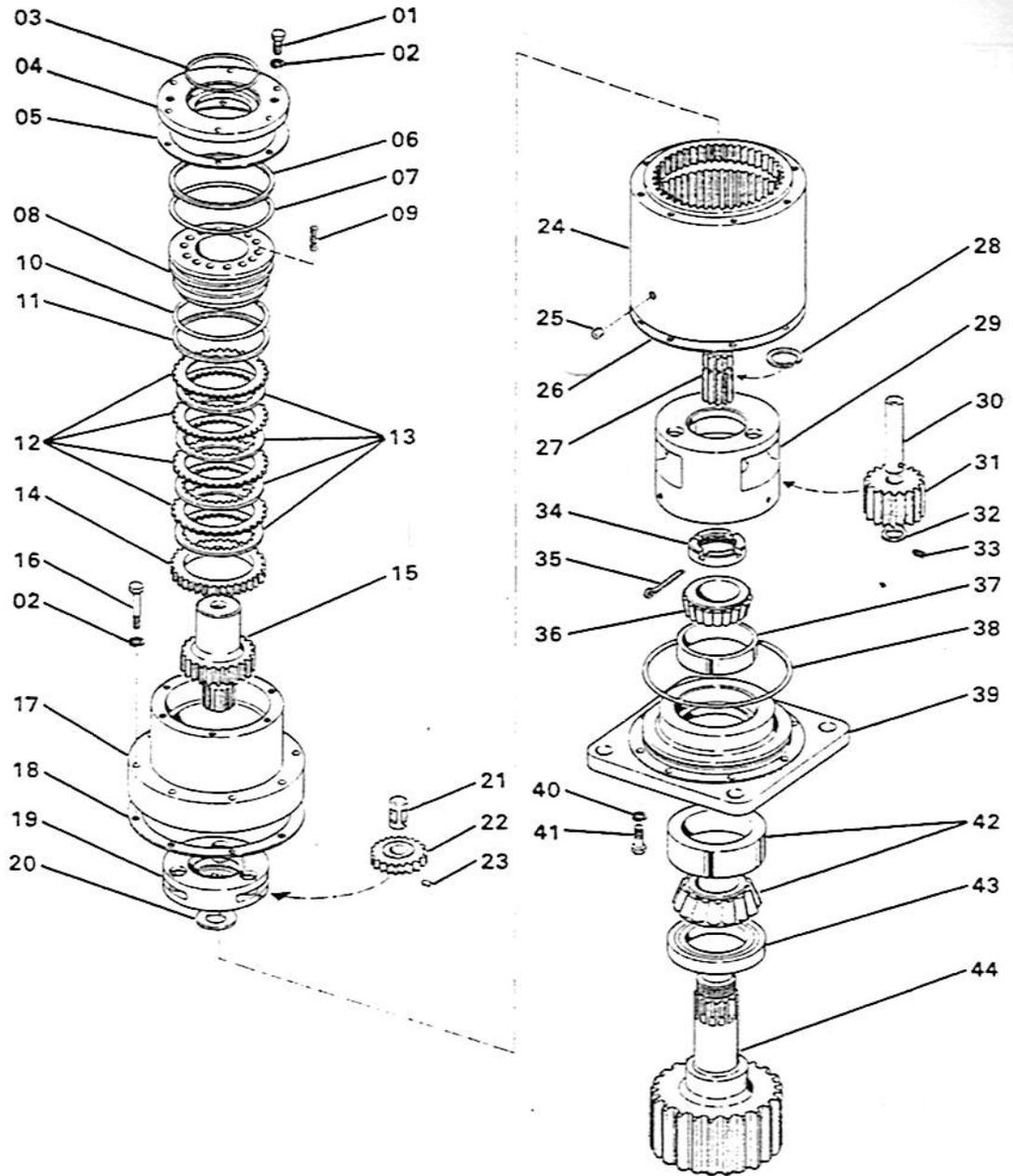
Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
			1	2
-	988N3-1	WINDSHIELD WIPER INSTALLATION	1	2
-	988N2-2	ROOF WINDOW WIPER INSTALLATION	1	2
01		. SCREW, Hex. hd. cap 1/4-28UNF x 1-1/2 in. . . . .	2	-
02		. WASHER, Lock 1/4 in. . . . .	2	-
03	49Z195D15	. WIPER ASSY., Windshield . . . . .	1	-
04	1049Z114	. BLADE, 22 in. wiper . . . . .	1	-
05	1088Z77	. MOTOR, Wiper . . . . .	1	-
06	1079Z1510	. SWITCH, Wiper control. . . . .	1	-
07	20Z1836	. GASKET . . . . .	-	1
08	88U13D2	. WIPER ASSY., Roof window. . . . .	-	1
09	1088Z78	. MOTOR, Wiper . . . . .	-	1
10	1049Z115	. BLADE, 16 in. wiper . . . . .	-	1
11	32Z1398D2	. CLAMP, Adhesive back. . . . .	-	2
12		. SCREW, Rd. hd. mach. #10-24UNC x 1 in. . . . .	-	1
13	18Z2778	. WASHER, Seal . . . . .	-	2
14	20H1708D15	. NUT, Hex lock #10-24UNC. . . . .	-	1
15		. WASHER, Flat . . . . .	-	2

## SWING TRANSMISSION INSTALLATION



Ref.	Part Number	Description	Quantity			
			Figure Number			
			5	6	9	10
-	953J10-5	SWING TRANS. INSTALL. - MULTI DISC BRAKE - FIRE RES.				
-	953J10-6	SWING TRANS. INSTALL. - CALIPER DISC BRAKE - FIRE RES.				
-	953J10-9	SWING TRANSMISSION INSTALL. - MULTI DISC BRAKE				
-	953J10-10	SWING TRANSMISSION INSTALL. - CALIPER DISC BRAKE				
01	20Z1036D233	. SCREW, Hex hd. cap 3/4-10UNC x 2 in. Gr. 8. ....	4	4	4	4
02	18Z694D8	. WASHER, Hardened flat 3/4 in. ....	4	4	4	4
03		. NUT, Hex 1/2-20UNF. ....	2	2	2	2
04	18Z694D6	. WASHER, Hardened flat 1/2 in. ....	2	2	2	2
05	41U38	. MOTOR, Swing (Page 20.1) . . . . .	1	1	1	1
06	53U60	. TRANSMISSION, Swing (Page 19.1) . . . . .	1	-	1	-
06	53U61	. TRANSMISSION, Swing (Page 19.2) . . . . .	-	1	-	1
-	921J6-1	. PEDAL INSTALLATION, Swing brake (Page 15.1) . . . . .	-	-	-	-
07	44Z591D8	. FITTING, 90° . . . . .	1	-	1	-
08	44Q514D3	. HOSE . . . . .	-	-	1	-
09	44Q514D9	. HOSE . . . . .	-	1	-	1
10	44Q514D10	. HOSE . . . . .	-	1	-	1
-	921N11-1	. LOCK INSTALL. - SWING (Page 15.2) . . . . .	1	-	1	-
-	921J16-1	. LOCK INSTALL. - SWING (Page 15.3) . . . . .	-	1	-	1

### SWING TRANSMISSION ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	53U60	SWING TRANSMISSION ASSEMBLY				
01	20Z646D47	. SCREW, Hex. hd. cap 3/8-16UNC x 1 in. Gr. 5	6			
02		. WASHER, Lock 3/8 in.	14			
03	NOTE	. O-RING, Motor.	1			
04	1014Z1589	. COVER, Brake	1			
05	NOTE	. GASKET, Brake cover	1			
06	NOTE	. RING, Back-up	1			

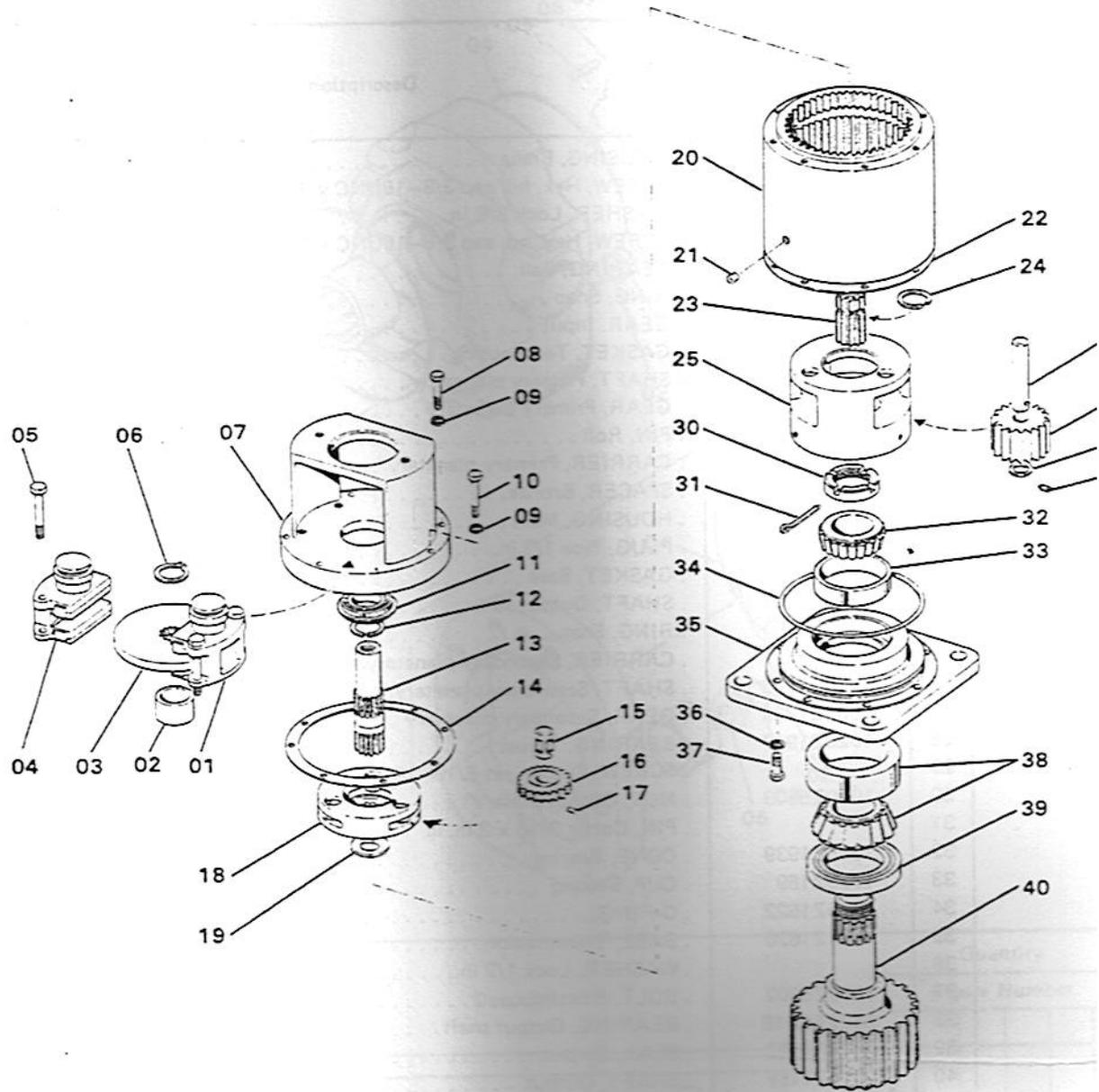
**SWING TRANSMISSION ASSEMBLY (Continued)**

Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
07	NOTE	. O-RING . . . . .	1				
08	1039Z466	. PISTON, Brake . . . . .	1				
09	1017Z857	. SPRING, Brake . . . . .	16				
10	NOTE	. O-RING . . . . .	1				
11	NOTE	. RING, Back-up . . . . .	1				
12	1015Z928	. DISC, Brake . . . . .	4				
13	1015Z929	. DISC, Friction . . . . .	4				
14	1018Z3951	. PLATE, Back-up . . . . .	1				
15	1010Z1170	. SHAFT, Input sun . . . . .	1				
16	20Z646D53	. SCREW, Hex. hd. cap 3/8-16UNC x 2-1/2 in. Gr. 5. . . . .	8				
17	1015Z1194	. CYLINDER, Brake . . . . .	1				
18	NOTE	. GASKET, Top ring gear . . . . .	1				
19	1014Z1618	. CARRIER, Primary planetary . . . . .	1				
20	1018Z3946	. SPACER, Bronze . . . . .	1				
21	1010Z776	. SHAFT, Primary planetary . . . . .	3				
22	1001Z880	. GEAR, Primary planetary . . . . .	3				
23	1019Z825	. PIN, Roll . . . . .	3				
24	1014Z1621	. HOUSING, Main . . . . .	1				
25		. PLUG, Pipe 1/2 in. N.P.T. . . . .	2				
26	NOTE	. GASKET, Base . . . . .	1				
27	1010Z1169	. SHAFT, Output sun . . . . .	1				
28	1018Z5561	. RING, Snap . . . . .	1				
29	1014Z1619	. CARRIER, Secondary planetary . . . . .	1				
30	1010Z1168	. SHAFT, Secondary planetary . . . . .	3				
31	1001Z1239	. GEAR, Secondary planetary . . . . .	3				
32	1025Z1947	. BEARING, Thrust . . . . .	3				
33		. SCREW, Cup pt. set 5/16-18UNC x 5/8 in. . . . .	3				
34	1020Z5603	. NUT, Output shaft . . . . .	1				
35		. PIN, Cotter 3/16 x 3 in. lg. . . . .	1				
36	1025Z1939	. CONE, Bearing . . . . .	1				
37	1025Z159	. CUP, Bearing . . . . .	1				
38	NOTE	. O-RING . . . . .	1				
39	1014Z1620	. BASE, Mounting . . . . .	1				
40		. WASHER, Lock 1/2 in. . . . .	8				
41	1020Z5602	. BOLT, Housing . . . . .	8				
42	25Z259D18	. BEARING, Output shaft . . . . .	1				
43	1018Z5523	. SEAL, Output shaft . . . . .	1				
44	1010Z1159	. SHAFT, Output . . . . .	1				

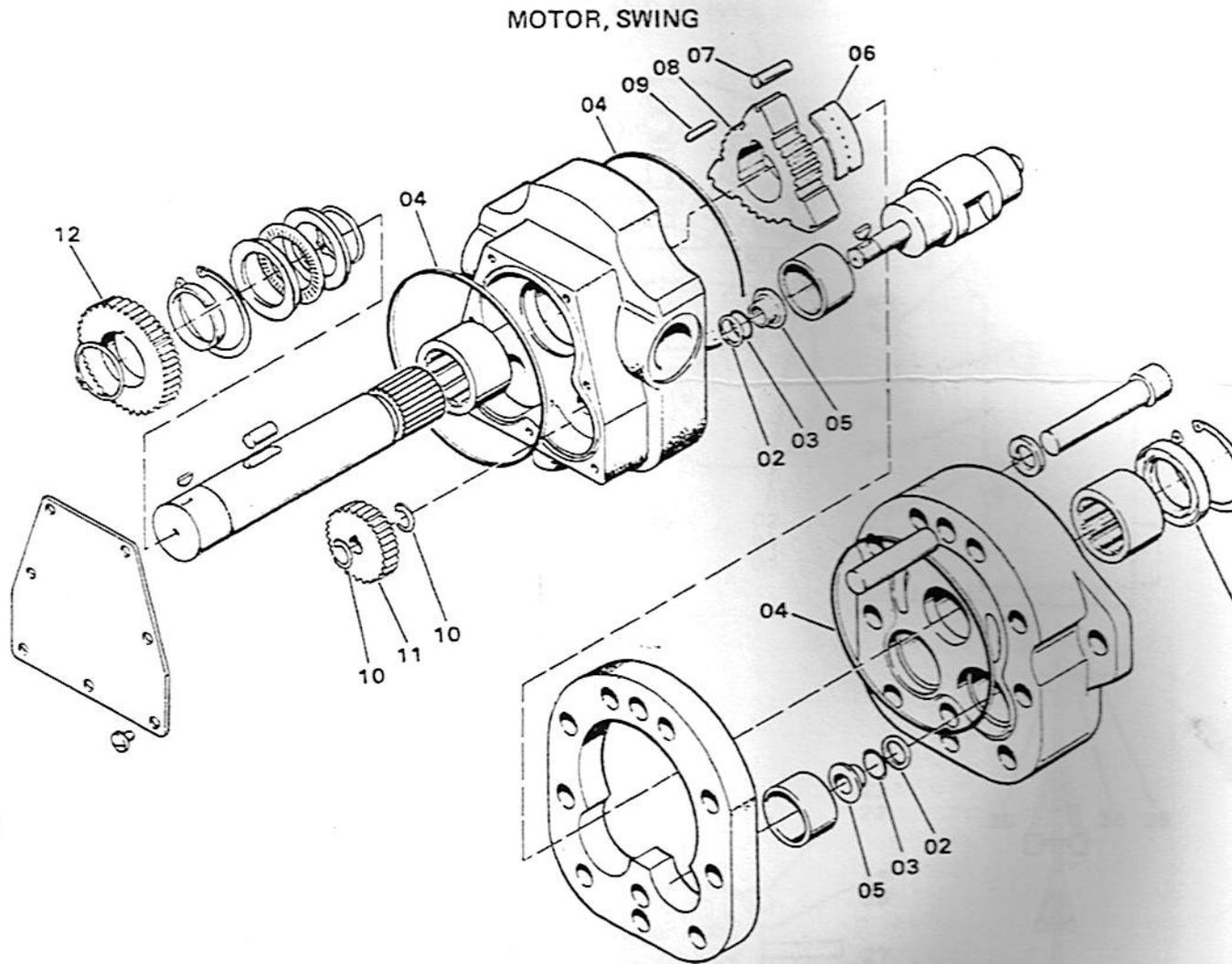
**NOTE**

Seal kit 1145Z21 includes Ref. 03, 05, 06, 07, 10, 11, 18, 26 & 38.

# SWING TRANSMISSION ASSEMBLY

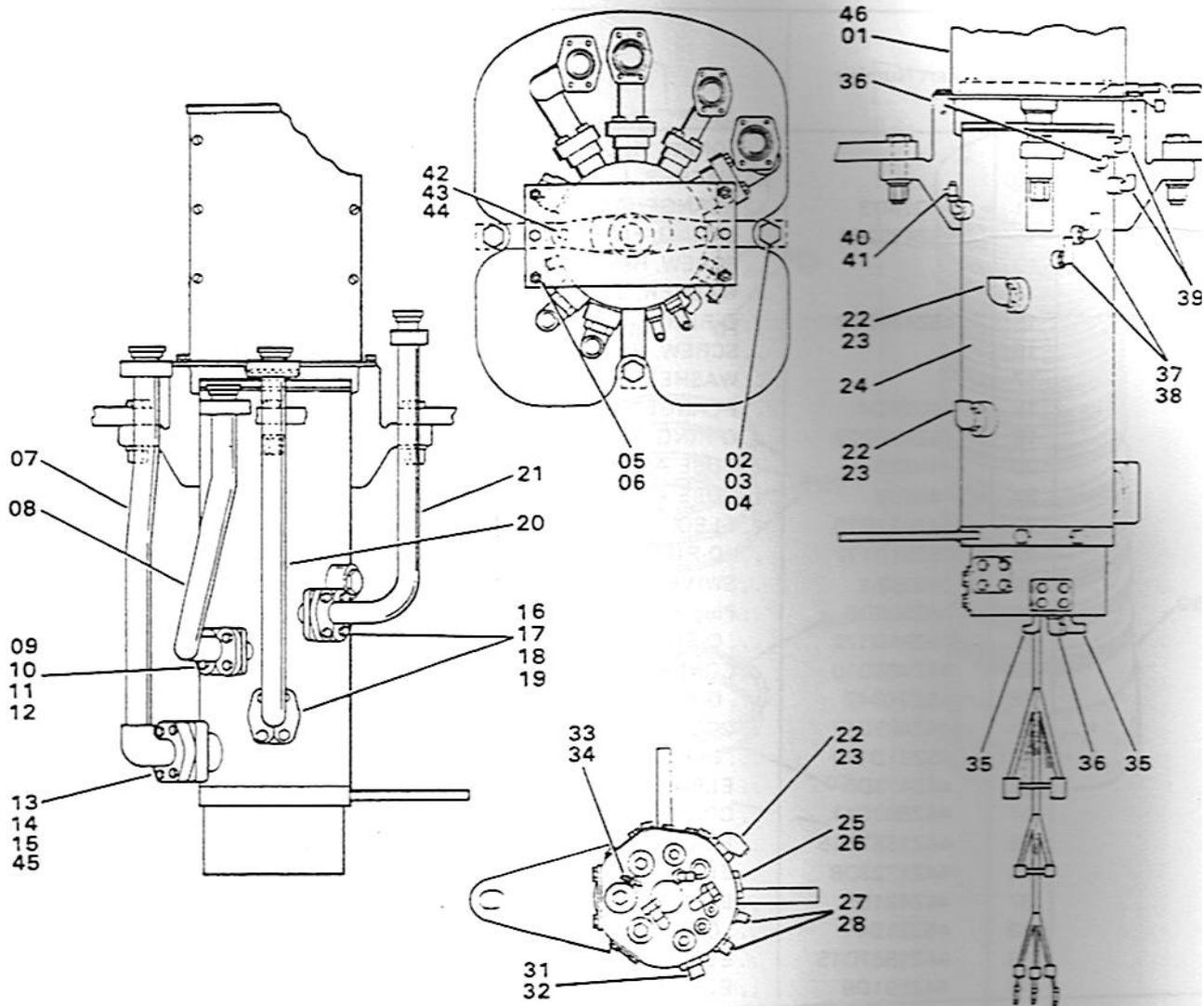


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	53U61	SWING TRANSMISSION ASSEMBLY	Y			
01	1015Z1159	. CALIPER ASSY., Hydraulic applied	1			
-	1045Z1570	.. KIT, Caliper seal	1			
-	1015Z1161	.. KIT, Lining	1			
02	1018Z5519	. SPACER, Brake	1			
03	1018Z5518	. DISC, Brake	1			
04	1015Z1160	. CALIPER ASSY., Spring applied	1			
-	1045Z1571	.. KIT, Caliper seal	1			
-	1015Z1161	.. KIT, Lining	1			
05	1020Z5536	. BOLT, Shoulder	4			
06	1018Z5524	. RING, Snap	1			



Ref.	Part Number	Description	Quantity			
			Figure Number			
-	41U38	MOTOR, SWING	1			
-	1045Z1499	.. KIT, Seal .....	1			
01		.. SEAL, Shaft .....	1			
02		.. RING, Back-up .....	2			
03		.. O-RING .....	2			
04		.. O-RING .....	3			
-	1045Z1504	.. KIT, Repair .....	1			
05		.. BEARING, Step .....	2			
06		.. PLATE, Seal .....	1			
07		.. PIN, Seal .....	1			
08		.. ROTOR .....	1			
09		.. PIN, Seal .....	1			
10		.. RING, Retaining .....	2			
11		.. GEAR, Timing .....	1			
12		.. GEAR, Drive .....	1			

## COLLECTOR RING AND SWIVEL INSTALLATION

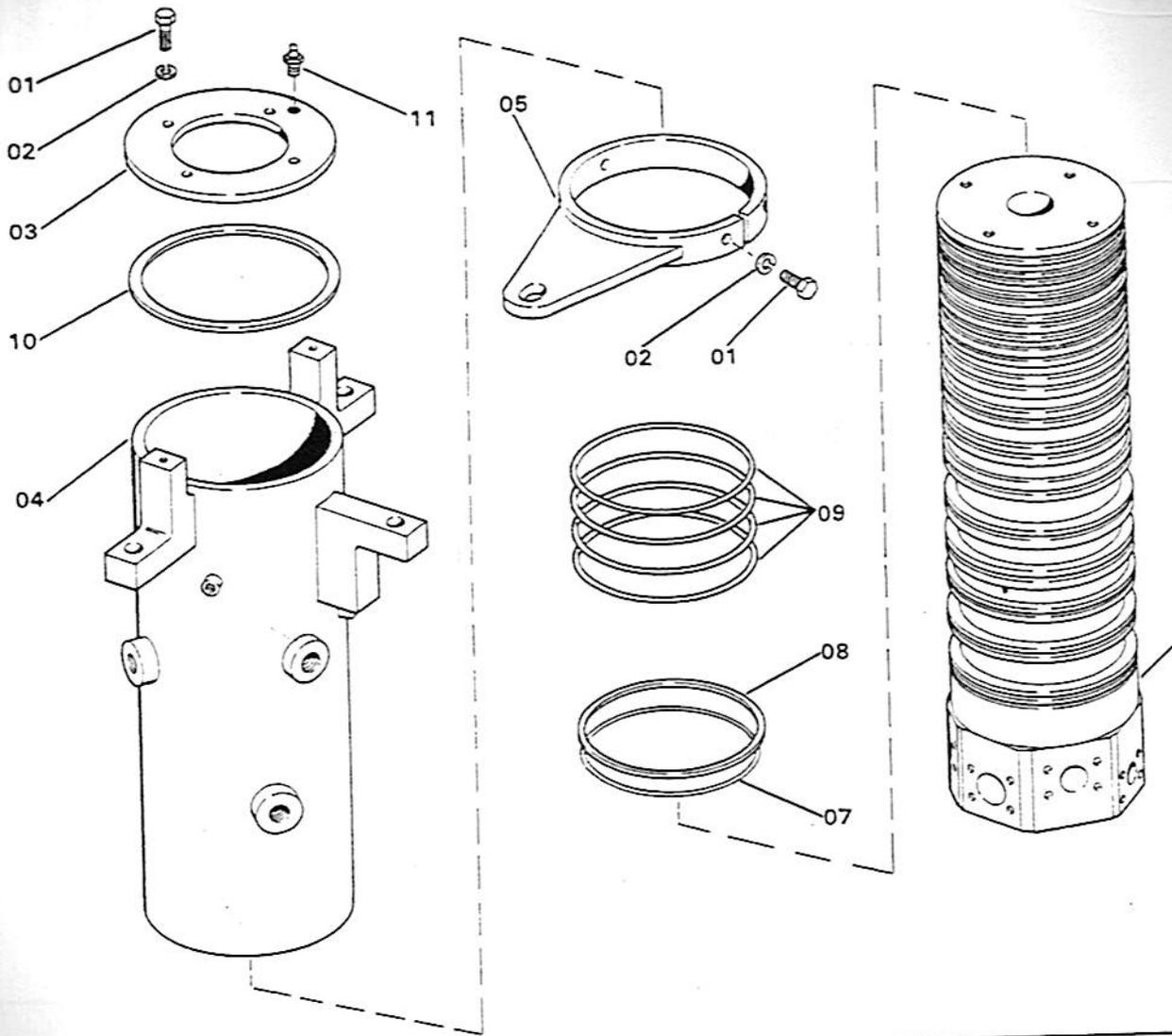


Ref.	Part Number	Description	Quantity			
			Figure Number			
			3	4		
-	945J43-3	COLLECTOR RING AND SWIVEL INSTALLATION - DEUTZ				
-	945J43-4	COLLECTOR RING AND SWIVEL INSTALLATION - DEUTZ				
01	77R5D2	. RING, Collector	1	-		
-	1073Z130	.. BRUSH ARM ASSEMBLY, For 10 and 12 ga. wire	AR	-		
-	1073Z131	.. BRUSH ARM ASSEMBLY, For 14 and 16 ga. wire	AR	-		
-	1017Z926	.. SPRING, Brush arm	AR	-		
02		. NUT, Hex 3/4-10UNC.	3	3		
03		. WASHER, Lock 3/4 in.	3	3		
04		. SCREW, Hex hd. cap 3/4-10UNC x 3-1/4 in.	3	3		
05		. SCREW, Hex hd. cap 3/8-16UNC x 1 in.	2	2		
06		. WASHER, Lock 3/8 in.	4	4		
-	944J33-2	. SWIVEL ASSEMBLY.	1	1		
07	44N543	.. TUBE ASSEMBLY.	1	1		
08	44N532	.. TUBE ASSEMBLY.	1	1		

COLLECTOR RING AND SWIVEL INSTALLATION (Continued)

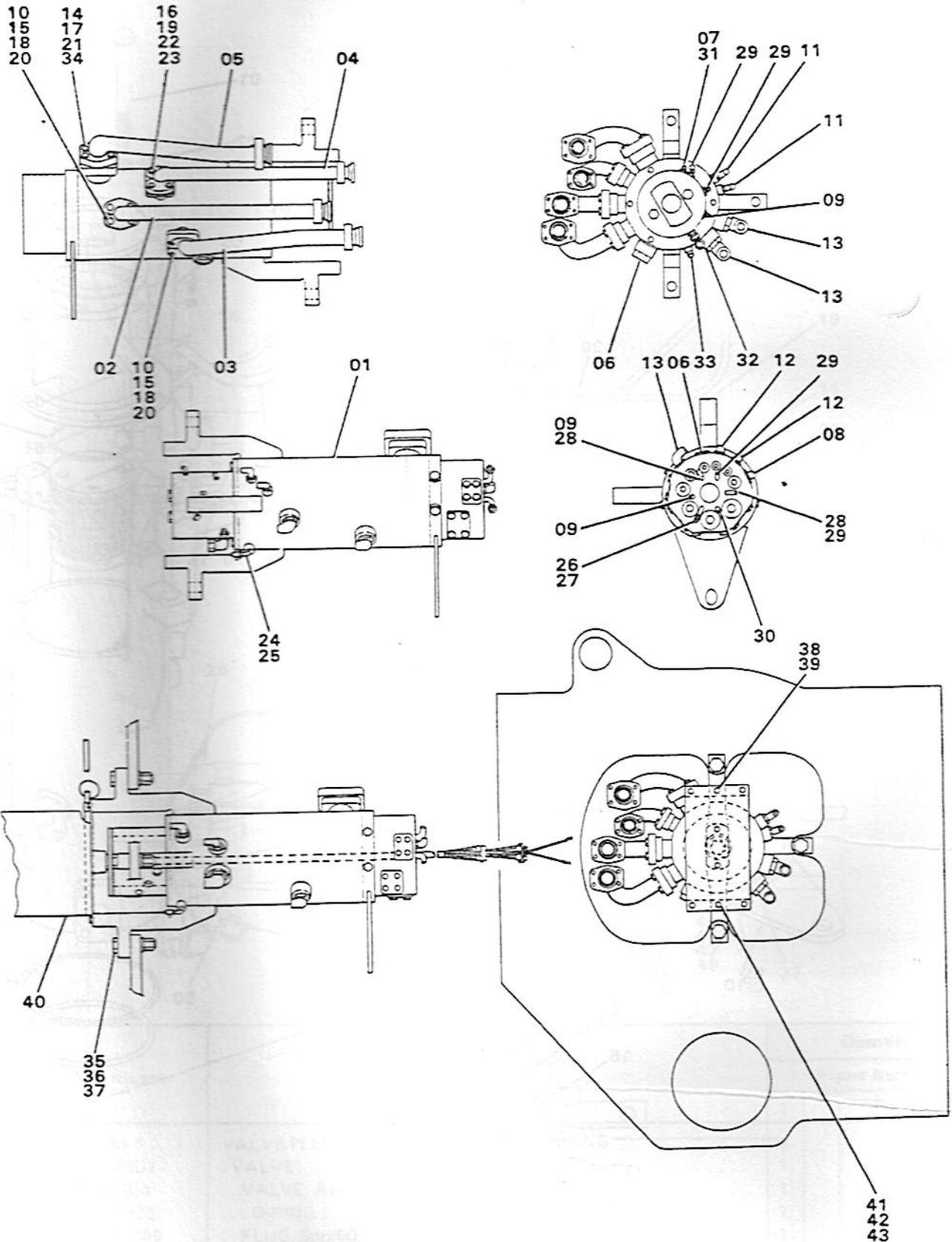
Ref.	Part Number	Description	Quan	
			Figure N	
			3	4
09		.. SCREW, Hex. hd. cap 3/8-16UNC x 1-1/4 in..	4	4
10		.. WASHER, Lock 3/8 in..	4	4
11	44Q26D3	.. FLANGE, Split ..	2	2
12	45Z479D21	.. O-RING, Flange. ....	1	1
13		.. SCREW, Hex. hd. cap 1/2-13UNC x 1-1/4 in..	4	4
14		.. WASHER, Lock 1/2 in..	4	4
15	45Z479D23	.. O-RING ..	1	1
16		.. SCREW, Hex. hd. cap 7/16-14UNC x 1-1/4 in..	8	8
17		.. WASHER, Lock 7/16 in..	8	8
18	44Q26D4	.. FLANGE, Split ..	4	4
19	45Z479D22	.. O-RING, Flange. ....	2	2
20	44N529	.. TUBE ASSY. ....	1	1
21	44N536	.. TUBE ASSY. ....	1	1
22	44Z421D10	.. ELBOW, 90° o-ring ..	3	3
23	45Z91D172	.. O-RING ..	1	1
24	945J62-1	.. SWIVEL, Hydraulic (Page 22.1) ..	1	1
25	44Z536D8	.. Plug, Hex. hd. o-ring. ....	2	2
26	45Z91D172	.. O-RING ..	1	1
27	44Z485D10	.. CONNECTOR, O-ring. ....	2	2
28	45Z91D47	.. O-RING ..	1	1
31	44Z485D17	.. CONNECTOR, O-ring. ....	1	1
32	45Z91D172	.. O-RING ..	1	1
33	44Z473D6	.. ELBOW, 90° swivel nut. ....	1	1
34	44Z590D11	.. CONNECTOR, Male. ....	1	1
35	44Z1587D15	.. ELBOW, 90° male ..	2	2
36	44Z1723D8	.. ELBOW, 90° male ..	2	2
37	44Z421D5	.. ELBOW, 90° O-ring ..	2	2
38	45Z91D47	.. O-RING ..	1	1
39	44Z1587D15	.. ELBOW, 90° O-ring ..	2	2
40	44Z591D9	.. ELBOW, 90° male ..	1	1
41	44Z487D5	.. TEE, Swivel nut. ....	1	1
42		.. WASHER, Flat 3/8 in. ....	2	2
43	20Z1945D1	.. STUD, Std. milled 3/8 in. ....	2	2
44		.. NUT, Hex 3/8 in..	2	2
45	44Q26D5	.. FLANGE, Split ..	2	2
46	77R5D4	.. RING ASSEMBLY, Collector. ....	—	1
—	1073Z130	.. BRUSH ARM ASSEMBLY, For 10 & 12 ga. wire. ....	—	AR
—	1073Z131	.. BRUSH ARM ASSEMBLY, For 14 & 16 ga. wire. ....	—	AR
—	1017Z926	.. SPRING, Brush arm ..	—	AR

### SWIVEL ASSEMBLY

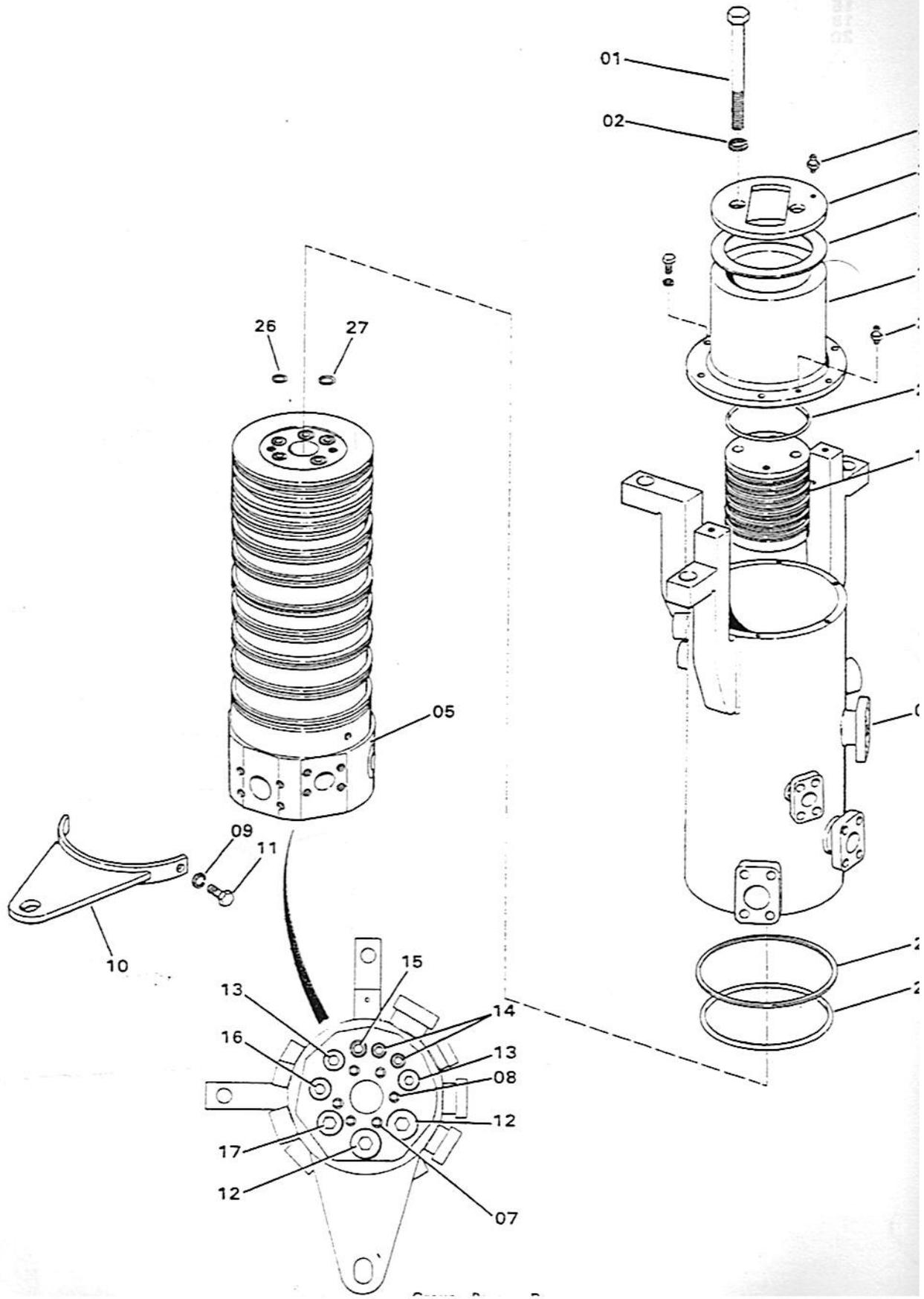


Ref.	Part Number	Description	Quantity	
			Figure	Num
-	945J62-1	SWIVEL ASSEMBLY	1	
01		. BOLT, 1/2-13UNC x 1-1/4 in. ....	6	
02		. WASHER, Lock 1/2 in. ....	6	
03	45P46	. RING, Upper retainer. ....	1	
04	45J89	. BODY, Swivel. ....	1	
05	45N29	. RING, Lower retainer. ....	1	
06	45J66	. SPOOL, Swivel. ....	1	
-	1045T22-1	. KIT, Swivel reseal. ....	1	
07		.. O-RING. ....	12	
08		.. RING, Seal. ....	12	
09		.. O-RING. ....	4	
10	20Z1816	.. RING, Thrust. ....	1	
11	44Z1D75	. FITTING, Lube. ....	1	

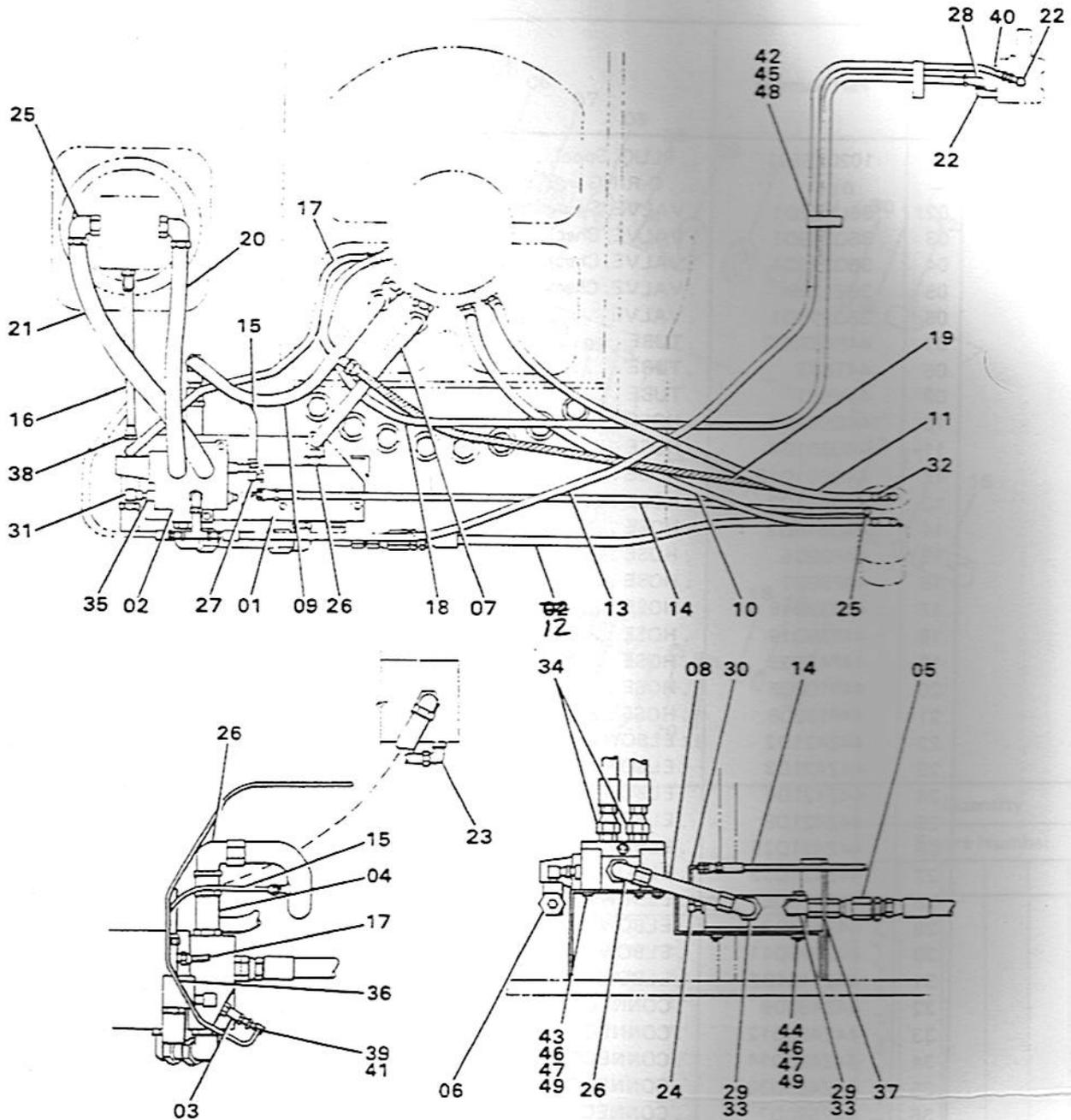
# COLLECTOR RING AND SWIVEL INSTALLATION



# SWIVEL ASSEMBLY



## VALVE PLUMBING – SWING AND STEERING

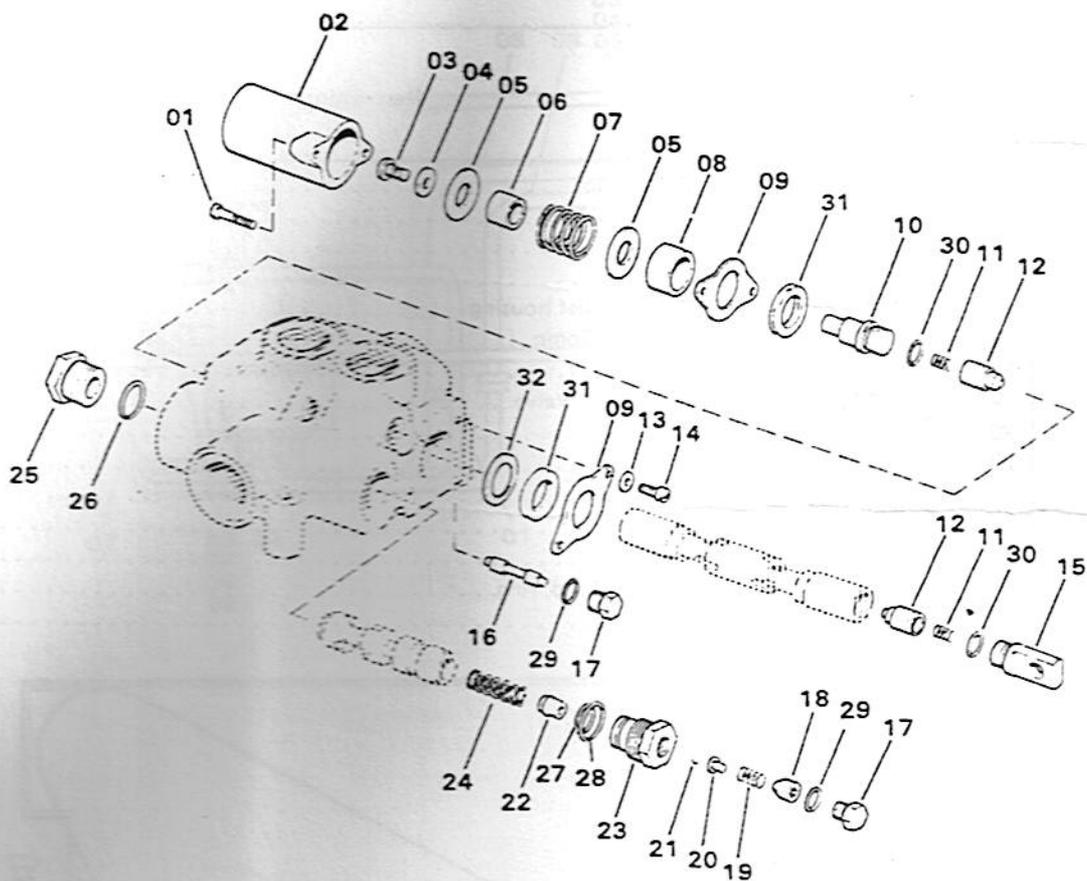


Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
—	944J94-1	VALVE PLUMBING – STEERING AND SWING	1			
01	36U149D1	.. VALVE .....	1			
—	1036Z864	.. VALVE, Relief .....	1			
—	45Z479D8	... O-RING .....	1			
—	1020Z5590	.. PLUG, Spring .....	1			
—	1045Z1618	.. O-RING, Spring plug .....	1			
—	1017Z1070	.. SPRING .....	1			

VALVE PLUMBING – SWING AND STEERING (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
—	1020Z5591	. . . PLUG, Spool . . . . .	1			
—		. . . O-RING . . . . .	1			
02	36U122D1	. VALVE, Swing control (Page 24.1) . . . . .	1			
03	36Q249D1	. VALVE, Check . . . . .	1			
04	36Q228D4	. VALVE, Check . . . . .	1			
05	36Z1229	. VALVE, Check . . . . .	1			
06	36Q279D1	. VALVE . . . . .	1			
07	44P1833D2	. TUBE . . . . .	1			
08	44T533	. TUBE . . . . .	1			
09	44N501	. TUBE . . . . .	1			
10	44Q501D3	. HOSE . . . . .	1			
11	44Q501D4	. HOSE . . . . .	1			
12	44Q501D16	. HOSE . . . . .	1			
13	44Q511D2	. HOSE . . . . .	1			
14	44Q516D2	. HOSE . . . . .	1			
15	44P39D5	. HOSE . . . . .	1			
16	44P39D7	. HOSE . . . . .	1			
17	44P39D16	. HOSE . . . . .	1			
18	44P39D19	. HOSE . . . . .	1			
19	44P42D25	. HOSE . . . . .	1			
20	44P102D3	. HOSE . . . . .	1			
21	44P102D5	. HOSE . . . . .	1			
22	44Z421D2	. ELBOW . . . . .	2			
23	44Z421D3	. ELBOW . . . . .	1			
24	44Z421D4	. ELBOW . . . . .	2			
25	44Z421D8	. ELBOW . . . . .	2			
26	44Z421D25	. ELBOW . . . . .	4			
27	44Z421D33	. ELBOW . . . . .	1			
28	44Z473D5	. ELBOW . . . . .	1			
29	44Z473D7	. ELBOW . . . . .	1			
30	44Z975D11	. ELBOW . . . . .	1			
31	44Z1454D2	. ELBOW . . . . .	1			
32	44Z485D9	. CONNECTOR . . . . .	4			
33	44Z485D12	. CONNECTOR . . . . .	1			
34	44Z485D14	. CONNECTOR . . . . .	2			
35	44Z485D30	. CONNECTOR . . . . .	1			
36	44Z590D7	. CONNECTOR . . . . .	1			
37	44Z1402D3	. UNION . . . . .	1			
38	44Z487D5	. TEE . . . . .	1			
39	44T577	. TEE, Orifice . . . . .	1			
40	44Z536D5	. PLUG . . . . .	1			
41	44T576	. PLUG, Orifice pipe . . . . .	1			
42	32Z423D4	. CLAMP . . . . .	1			
43	20Z646D9	. CAPSCREW . . . . .	3			
44	20Z646D15	. CAPSCREW . . . . .	2			
45		. WASHER, Lock 5/16 in . . . . .	2			
46		. WASHER, Lock 1/4 in . . . . .	5			
47		. WASHER, Flat . . . . .	5			
48		. NUT, Hex 5/16 in.—18UNC. . . . .	2			
49		. NUT, Hex 1/4 in.—20UNC . . . . .	5			

## SWING CONTROL VALVE ASSEMBLY

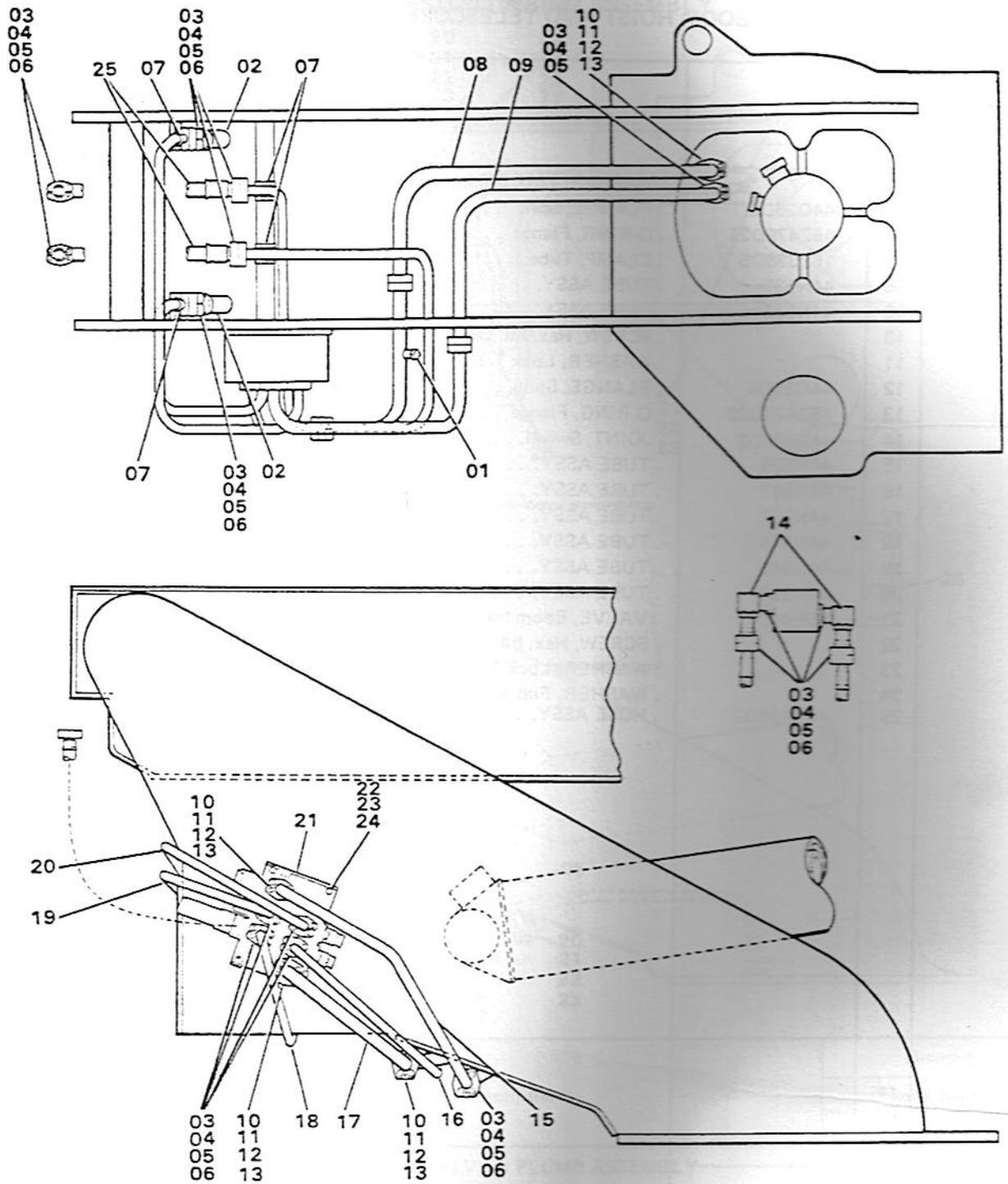


Ref.	Part Number	Description	Quantity			
			Figure Number			
-	36U122D4	SWING CONTROL VALVE ASSEMBLY	1			
01	1020Z6329	. SCREW, Allen hd. . . . .	2			
02	1014Z1606	. CAP, End. . . . .	1			
03	1020Z5566	. SCREW, Rd. hd. . . . .	1			
04	1018Z5541	. WASHER. . . . .	1			
05	1018Z5542	. WASHER, Centering . . . . .	2			
06	1006Z744	. GUIDE, Stop . . . . .	1			
07	1017Z1063	. SPRING, Centering . . . . .	1			
08	1018Z5539	. SPACER . . . . .	1			
09	1018Z6084	. PLATE, Retainer. . . . .	3			
10	1020Z6142	. PLUG . . . . .	1			
11	1017Z1066	. SPRING, Anti-cavitation. . . . .	2			
12	1039Z468	. PISTON. . . . .	2			
13	1018Z5538	. WASHER, Plain. . . . .	2			
14	1020Z6330	. SCREW, Allen hd. . . . .	2			
15	1020Z5565	. PLUG . . . . .	1			
16	1036Z855	. SHUTTLE . . . . .	1			
17	1020Z5568	. PLUG ASSY. . . . .	2			
18	1020Z5564	. SCREW, Set . . . . .	1			
19	1017Z1064	. SPRING, Pilot. . . . .	1			

SWING CONTROL VALVE ASSEMBLY (Continued)

Ref.	Part Number	Description	Qua	
			Figure	
20	1036Z854	. SEAT, Pilot .....	1	
-	1036Z995	. POPPET ASSY.....	1	
21		.. BALL .....	1	
22		.. POPPET .....	1	
23	1020Z5563	. PLUG, Relief housing.....	1	
24	1017Z1065	. SPRING, Comp. ....	1	
25	1020Z5569	. PLUG ASSY. ....	1	
-	1145Z25	. SEAL KIT, Valve.....	1	
26		.. O-RING .....	1	
27		.. O-RING .....	1	
28		.. O-RING .....	1	
29		.. O-RING .....	2	
30		.. O-RING .....	2	
31		.. SEAL, Quad. ring.....	2	
32		.. SHIM.....	2	

### BOOM HOIST AND TELESCOPE HYDRAULIC ASSEMBLY

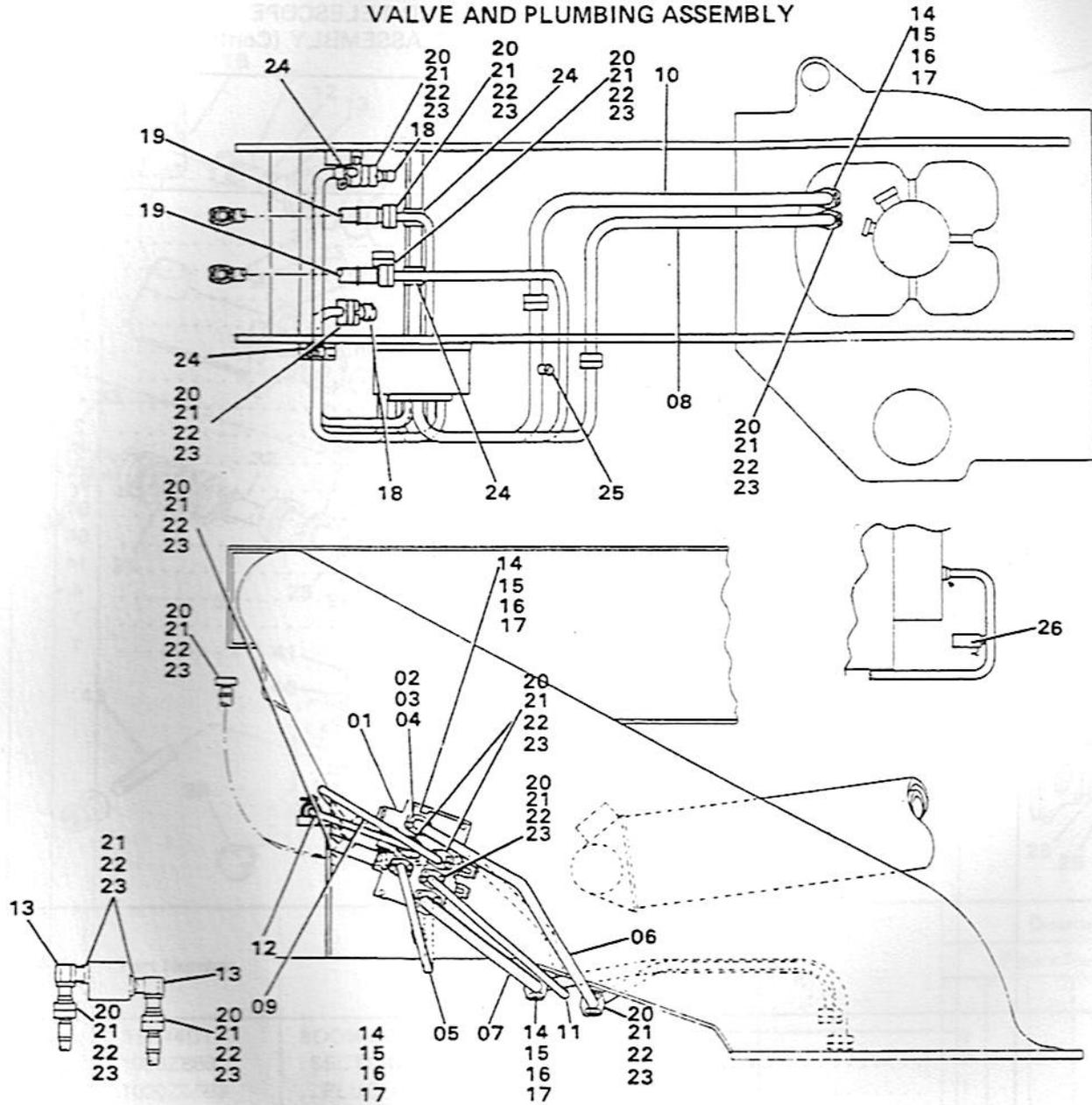


Ref.	Part Number	Description	Quantity			
			Figure Number			
			3			
-	944J32-3	HYDRAULIC ASSY. - BOOM HOIST AND TELESCOPE	1			
01	44Z511D6	. NUT, Cap. ....	1			
02	44Q494D1	. HOSE ASSY. ....	2			
03		. SCREW, Hex. hd. cap 3/8-16UNC x 1-1/4 in. ....	64			

**BOOM HOIST AND TELESCOPE HYDRAULIC ASSEMBLY (Continued)**

Ref.	Part Number	Description	Quantity			
			Figure Numb			
			3			
04		. WASHER, Lock 3/8 in.. . . . .	64			
05	44Q26D3	. FLANGE, Split. . . . .	32			
06	45Z479D21	. O-RING, Flange . . . . .	14			
07	16Z338D5	. CLAMP, Tube. . . . .	4			
08	44N535	. TUBE ASSY. . . . .	1			
09	44N533	. TUBE ASSY. . . . .	1			
10		. SCREW, Hex. hd. cap 7/16-14UNC x 1-1/2 in.. . . . .	16			
11		. WASHER, Lock 7/16 in.. . . . .	16			
12	44Q26D4	. FLANGE, Split. . . . .	8			
13	45Z479D22	. O-RING, Flange . . . . .	4			
14	44Q596D2	. JOINT, Swivel. . . . .	2			
15	44N525	. TUBE ASSY. . . . .	1			
16	44N537	. TUBE ASSY. . . . .	1			
17	44N527	. TUBE ASSY. . . . .	1			
18	44N546	. TUBE ASSY. . . . .	1			
19	44N540	. TUBE ASSY. . . . .	1			
20	44N568	. TUBE ASSY. . . . .	1			
21	36R44D1	. VALVE, Boom hoist and telescope control (Page 26.1). . . . .	1			
22		. SCREW, Hex. hd. cap 1/2-13UNC x 2-1/4 in. . . . .	3			
23		. WASHER, Lock 1/2 in.. . . . .	3			
24		. WASHER, Flat 1/2 in. . . . .	3			
25	44Q494D2	. HOSE ASSY. . . . .	2			

### BOOM HOIST AND TELESCOPE VALVE AND PLUMBING ASSEMBLY



Ref.	Part Number	Description	Quantity	
				Figure Number
			3	
-	944J62-3	BOOM HOIST & TEL. VALVE & PLUMB ASSEMBLY		
01	36R44D1	. VALVE, B.H. & Tel. (Page 26.1)	1	
02		. SCREW, Hex hd. cap 1/2-13 x 2-1/4"	3	
03		. WASHER, Flat 1/2"	3	
04		. WASHER, Lock 1/2"	3	
05	44P2046	. TUBE ASSEMBLY	1	
06	44N525	. TUBE ASSEMBLY	1	
07	44N527	. TUBE ASSEMBLY	1	
08	44N533	. TUBE ASSEMBLY	1	
		. TUBE ASSEMBLY	1	

**BOOM HOIST AND TELESCOPE  
VALVE AND PLUMBING ASSEMBLY (Continued)**

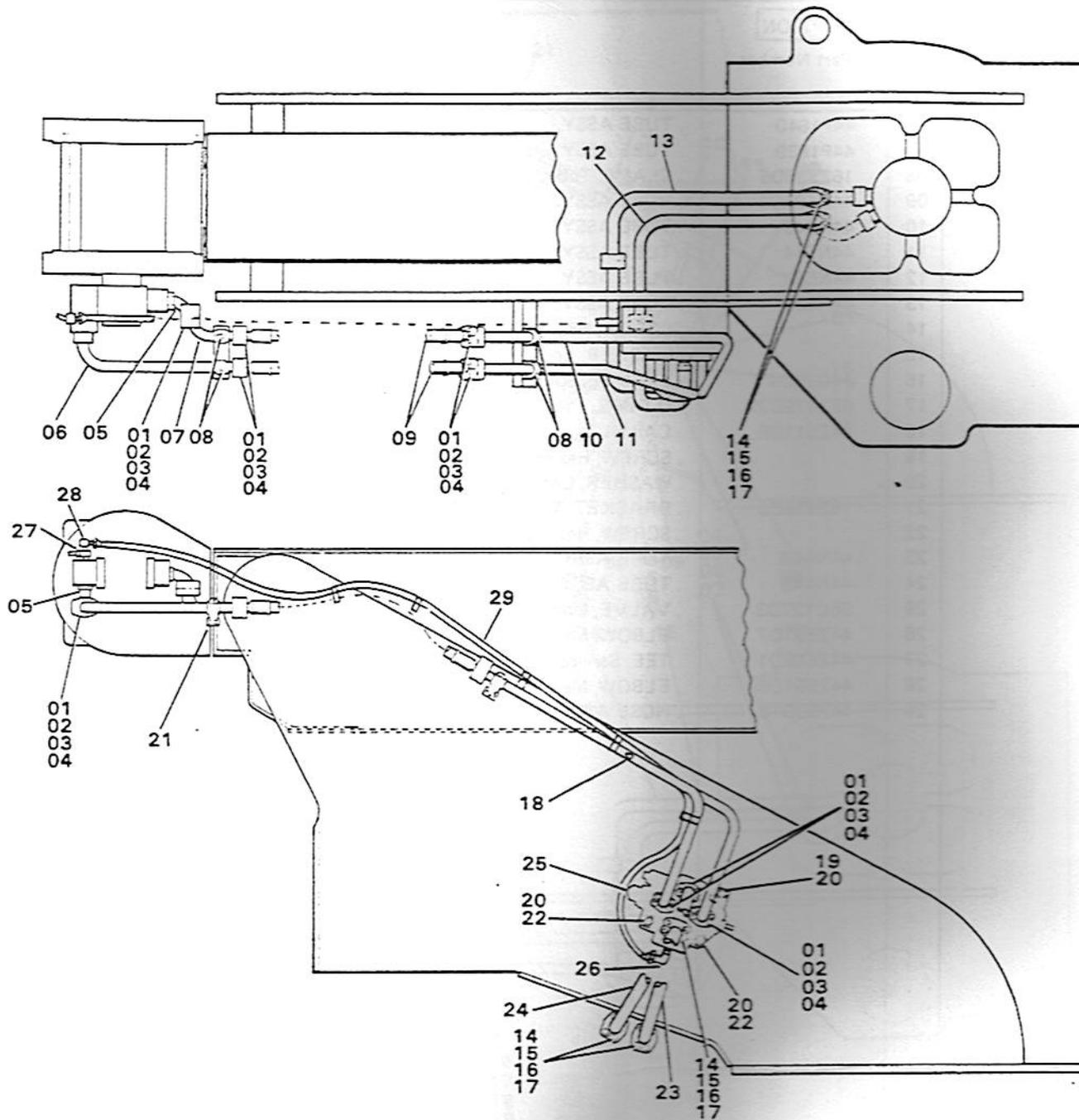
Ref.	Part Number	Description	Quantity			
			Figure Num			
			3			
10	44N535	. TUBE ASSEMBLY .....	1			
11	44N537	. TUBE ASSEMBLY .....	1			
12	44N540	. TUBE ASSEMBLY .....	1			
13	44Q596D2	. FLANGE, Split - swivel point .....	2			
14	44Q26D4	. FLANGE, Split 1-1/4 in. ....	8			
15		. SCREW, Hex hd. cap 7/16-14 x 1-1/2 in. ....	16			
16		. WASHER, Lock 7/16 in. ....	16			
17	45Z479D22	. O-RING, Split flange .....	4			
18	44Q494D1	. HOSE ASSEMBLY .....	2			
19	44Q494D2	. HOSE ASSEMBLY .....	2			
20	44Q26D3	. FLANGE, Split 1 in. ....	32			
21		. SCREW, Hex hd. cap 3/8-16 x 1-1/4 in. ....	64			
22		. WASHER, Lock 3/8 in. ....	64			
23	45Z479D21	. O-RING, Split flange .....	14			
24	16Z338D5	. CLAMP, Tube. ....	4			
25	44Z511D6	. NUT, Cap. ....	1			
26	79Z3149D1	. SWITCH, Press .....	1			



BOOM HOIST AND TELESCOPE VALVE (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
13		... O-RING . . . . .	2			
14		... RING, Back-up . . . . .	2			
15		... O-RING . . . . .	2			
16	1006Z745	.. GUIDE, Spring . . . . .	2			
17	1020Z5595	.. BOLT, Stripper . . . . .	1			
18	1017Z1072	.. SPRING . . . . .	1			
19	1014Z1610	.. CAP, End . . . . .	1			
20	1036Z1008	. SECTION - TELESCOPE . . . . .	1			
21	1006Z748	.. CLEVIS, Spool . . . . .	1			
-	1145Z19	.. KIT, Seal . . . . .	1			
04		... O-RING . . . . .	3			
05		... O-RING . . . . .	1			
22	1020Z5599	.. CAPSCREW, Soc. hd. . . . .	4			
23	1018Z5552	.. WASHER, Lock . . . . .	8			
24	1014Z1616	.. PLATE, Retainer . . . . .	3			
-	1145Z18	.. KIT, Seal . . . . .	1			
25		... RING, Back-up . . . . .	2			
26		... O-RING . . . . .	2			
27		... O-RING . . . . .	2			
28		... RING, Back-up . . . . .	2			
29	1018Z6311	.. SPACER . . . . .	1			
30	1020Z6275	.. BOLT, Stripper . . . . .	1			
31	1017Z1071	.. SPRING . . . . .	1			
32	1018Z6313	.. RETAINER . . . . .	2			
33	1006Z903	.. GUIDE, Spring . . . . .	2			
34	1018Z6312	.. SPACER . . . . .	1			
35	1020Z6282	.. BOLT, Stripper . . . . .	1			
36	1014Z1915	.. CAP, End . . . . .	1			
37	1020Z5600	.. CAPSCREW, Soc. hd. . . . .	4			
38	1036Z868	. SECTION - OUTLET . . . . .	1			
39	1020Z5593	.. PLUG . . . . .	1			
40	1014Z1615	.. PLATE, Name . . . . .	1			
41	1020Z1775	.. SCREW . . . . .	2			
42	1045Z360	.. CLOSURE, Plastic . . . . .	1			
43	1020Z5597	. STUD ASSEMBLY . . . . .	3			

### MAIN WINCH HYDRAULIC ASSEMBLY

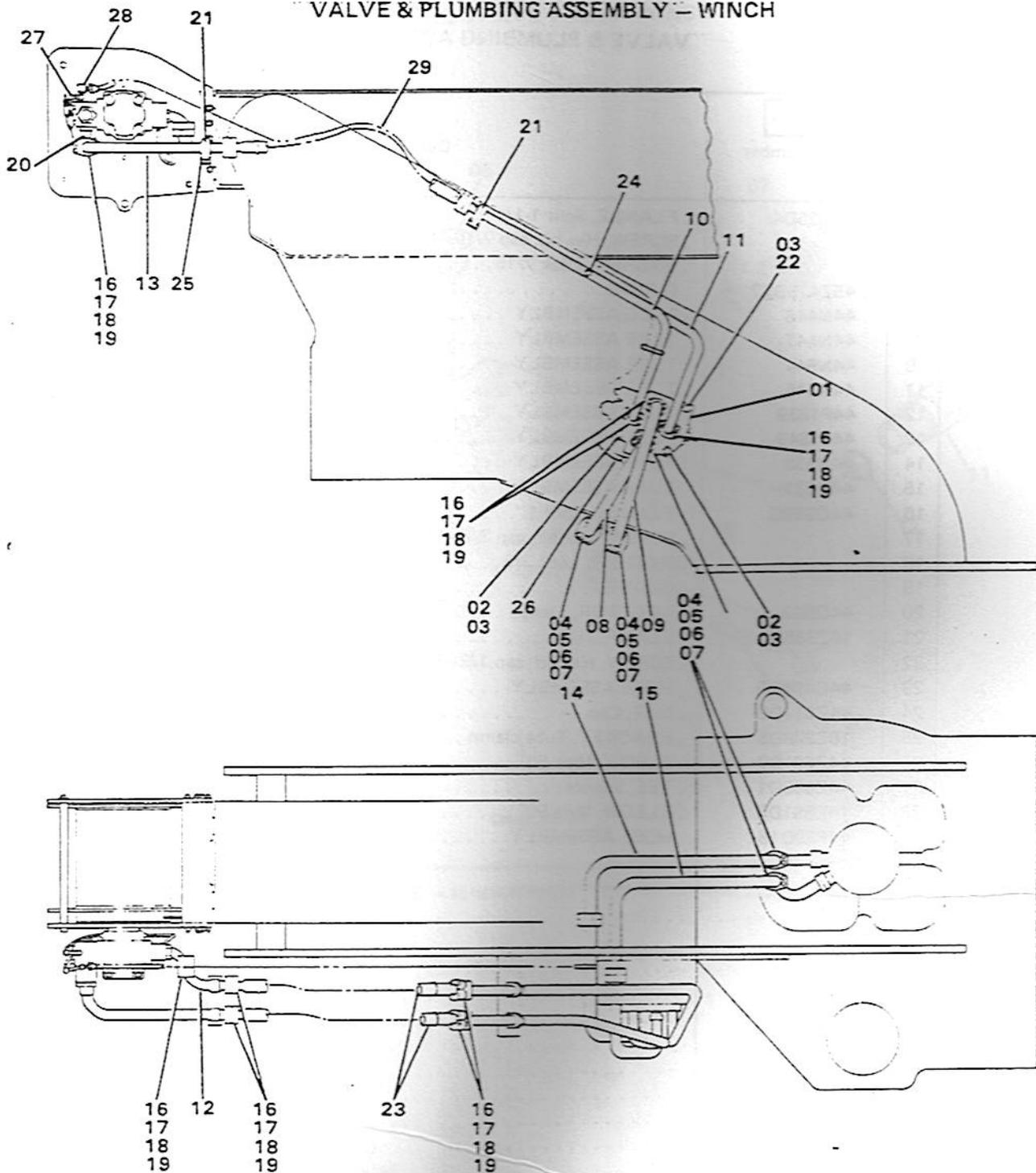


Ref.	OPTION	Description	Quantity			
	Part Number		Figure Number			
-	923J5-2	HYDRAULIC ASSEMBLY - MAIN WINCH	2			
01		. SCREW, Hex. hd. cap 3/8-16UNC x 1-1/4 in. ....	36			
02		. WASHER, Lock 3/8 in. ....	36			
03	44Q26D3	. FLANGE, Split. ....	18			
04	45Z479D21	. O-RING. ....	9			
05	44Q502	. ADAPTER, Flange. ....	2			

### MAIN WINCH HYDRAULIC ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity	
			Figure No.	
			2	
06	44P1840	. TUBE ASSY. ....	1	
07	44P1839	. TUBE ASSY. ....	1	
08	16Z338D6	. CLAMP, Tube. ....	4	
09	44Q494D1	. HOSE ASSY. ....	2	
10	44N545	. TUBE ASSY. ....	1	
11	44N544	. TUBE ASSY. ....	1	
12	44N531	. TUBE ASSY. ....	1	
13	44N530	. TUBE ASSY. ....	1	
14		. SCREW, Hex hd. cap 7/16-14UNC x 1-1/2 in. ....	20	
15		. WASHER, Lock 7/16 in. ....	20	
16	44Q26D4	. FLANGE, Split. ....	10	
17	45Z479D22	. O-RING. ....	5	
18	44Z511D8	. CAP NUT. ....	2	
19		. SCREW, Hex hd. cap 1/2-13UNC x 2 in. ....	1	
20		. WASHER, Lock 1/2 in. ....	3	
21	16Z339D5	. BRACKET, Tube clamp. ....	1	
22		. SCREW, Hex hd. cap 1/2-13UNC x 3-3/4 in. ....	2	
23	44N447	. TUBE ASSY. ....	1	
24	44N448	. TUBE ASSY. ....	1	
25	36U127D3	. VALVE, Main winch control (Page 28.1) ....	1	
26	44Z591D7	. ELBOW, Male 90° ....	1	
27	44Z686D1	. TEE, Service. ....	1	
28	44Z591D8	. ELBOW, Male 90° ....	1	
29	44P39D18	. HOSE ASSY. ....	1	

VALVE & PLUMBING ASSEMBLY - WINCH

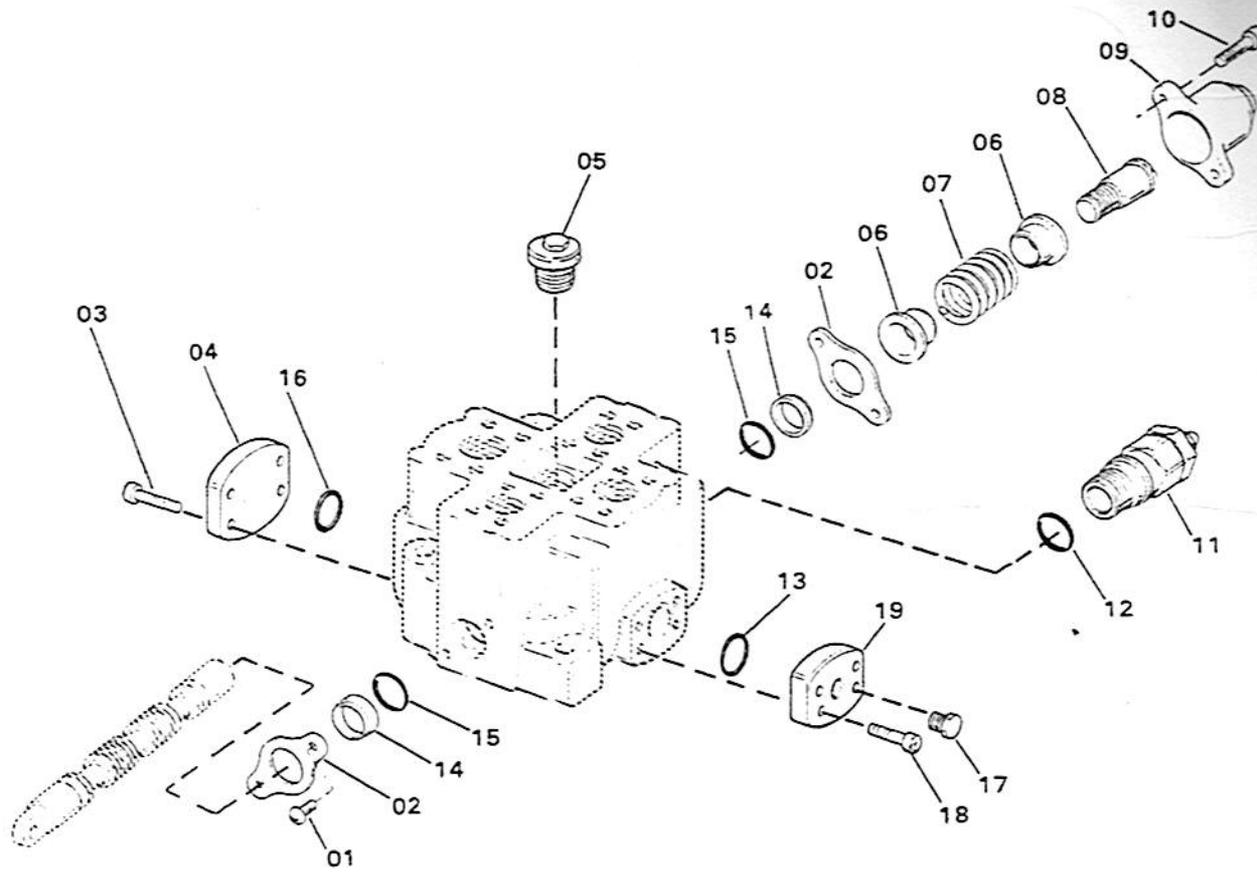


Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
-	923J15-2	VALVE & PLUMBING ASSEMBLY, WINCH	2	
01	36U127D3	. VALVE, Winch (Page 28.1)	1	
02		. SCREW, Hex hd. cap 1/2"-13.	2	
03		. WASHER, Lock 1/2"	3	

VALVE & PLUMBING ASSEMBLY – WINCH (Continued)

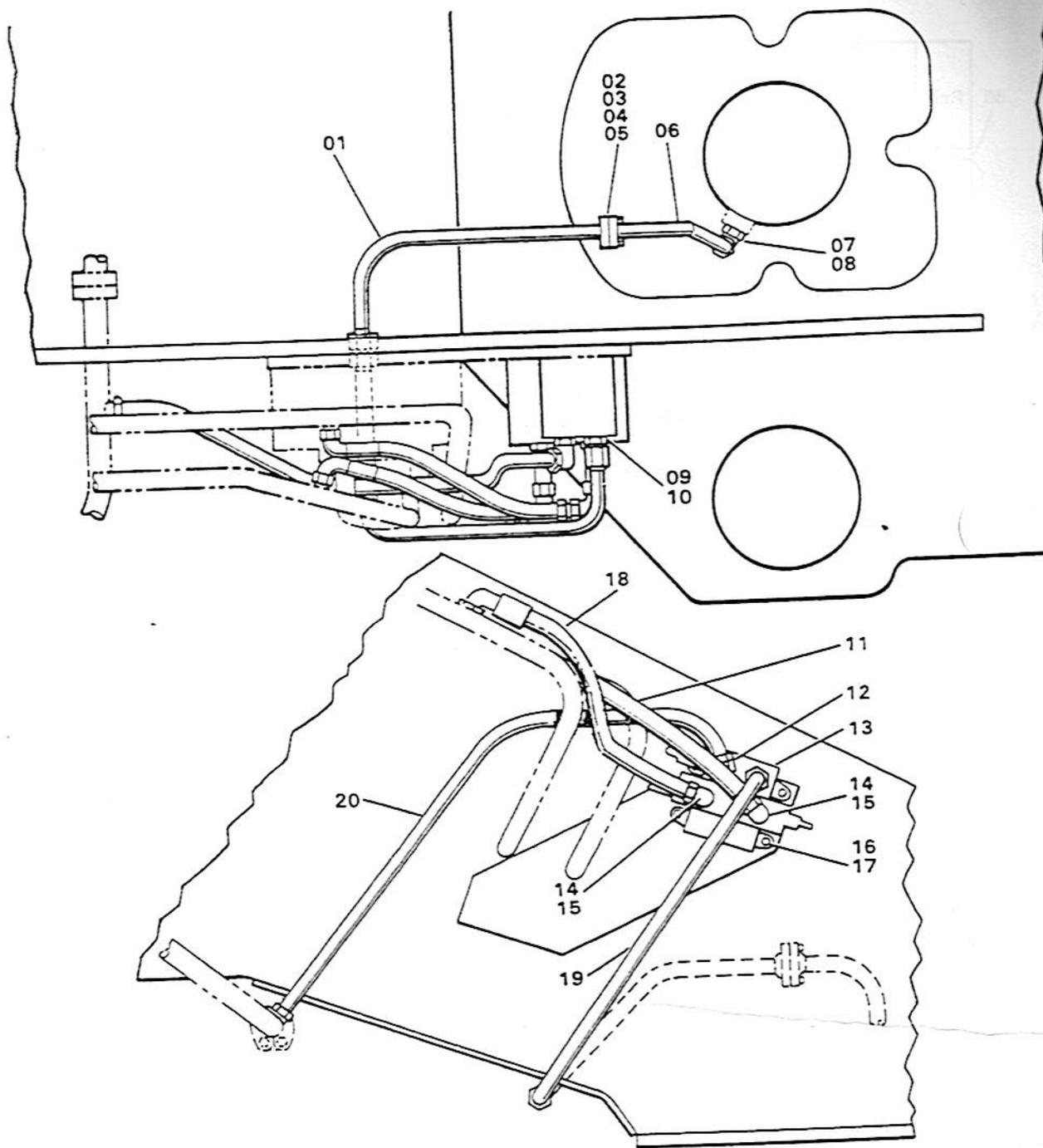
Ref.	OPTION Part Number	Description	Quantity			
			Figure Num			
			2			
04	44Q26D4	. FLANGE, Split 1-1/4" . . . . .	10			
05		. SCREW, Hex hd. cap 7/16-14 x 1-1/2 . . . . .	20			
06		. WASHER, Lock 7/16 . . . . .	20			
07	45Z479D22	. O-RING . . . . .	5			
08	44N448	. TUBE ASSEMBLY . . . . .	1			
09	44N447	. TUBE ASSEMBLY . . . . .	1			
10	44N544	. TUBE ASSEMBLY . . . . .	1			
11	44N545	. TUBE ASSEMBLY . . . . .	1			
12	44P1839	. TUBE ASSEMBLY . . . . .	1			
13	44P1840	. TUBE ASSEMBLY . . . . .	1			
14	44N530	. TUBE ASSEMBLY . . . . .	1			
15	44N531	. TUBE ASSEMBLY . . . . .	1			
16	44Q26D3	. FLANGE, Split 1" . . . . .	18			
17		. SCREW, Hex hd. cap 3/8-16 x 1-1/4" . . . . .	36			
18		. WASHER, Lock 3/8 . . . . .	36			
19		. O-RING . . . . .	9			
20	44Q502	. ADAPTOR, Flange . . . . .	2			
21	16Z338D6	. CLAMP, Tube . . . . .	4			
22		. SCREW, Hex hd. cap 1/2-13 x 2" . . . . .	1			
23	44Q494D3	. HOSE ASSEMBLY . . . . .	2			
24	44Z511D8	. NUT, Cap. . . . .	2			
25	16Z339D5	. BRACKET, Tube clamp . . . . .	1			
26	44Z591D7	. ELBOW, Male 90° . . . . .	1			
27	44Z686D1	. TEE, Service. . . . .	1			
28	44Z591D8	. ELBOW, Male 90° . . . . .	1			
29	44P39D18	. HOSE ASSEMBLY . . . . .	1			

### CONTROL VALVE – MAIN WINCH



Ref.	OPTION Part Number	Description	Quantity	
			Figure	Number
—	36U127D3	CONTROL VALVE – MAIN WINCH	1	
01	1018Z1920	. SCREW, Machine. . . . .	2	
02	1020Z2059	. PLATE, Seal. . . . .	2	
03	1020Z5548	. SCREW, Cap. . . . .	4	
04	1014Z1870	. CAP, Flange . . . . .	1	
05	1020Z5551	. PLUG, O-ring . . . . .	1	
06	1017Z473	. SEAT, Spring . . . . .	2	
07	1017Z1060	. SPRING. . . . .	1	
08	1020Z5549	. SCREW. . . . .	1	
09	1014Z350	. CAP . . . . .	1	
10	1020Z2031	. SCREW, Cap. . . . .	2	
11	36Z496	. VALVE, Relief . . . . .	1	
12		. O-RING. . . . .	1	
—	1145Z12	. KIT, Seal . . . . .	AR	
12		. O-RING. . . . .	1	
13		. O-RING. . . . .	1	
14		. WIPER. . . . .	2	
15		. O-RING. . . . .	2	
16		. O-RING. . . . .	1	
17	1020Z5552	. PLUG, O-ring . . . . .	1	
18	1020Z5550	. SCREW, Cap. . . . .	4	
19	1014Z1594	. CAP, Flange . . . . .	1	

# SLOW WINCH HYDRAULIC ASSEMBLY

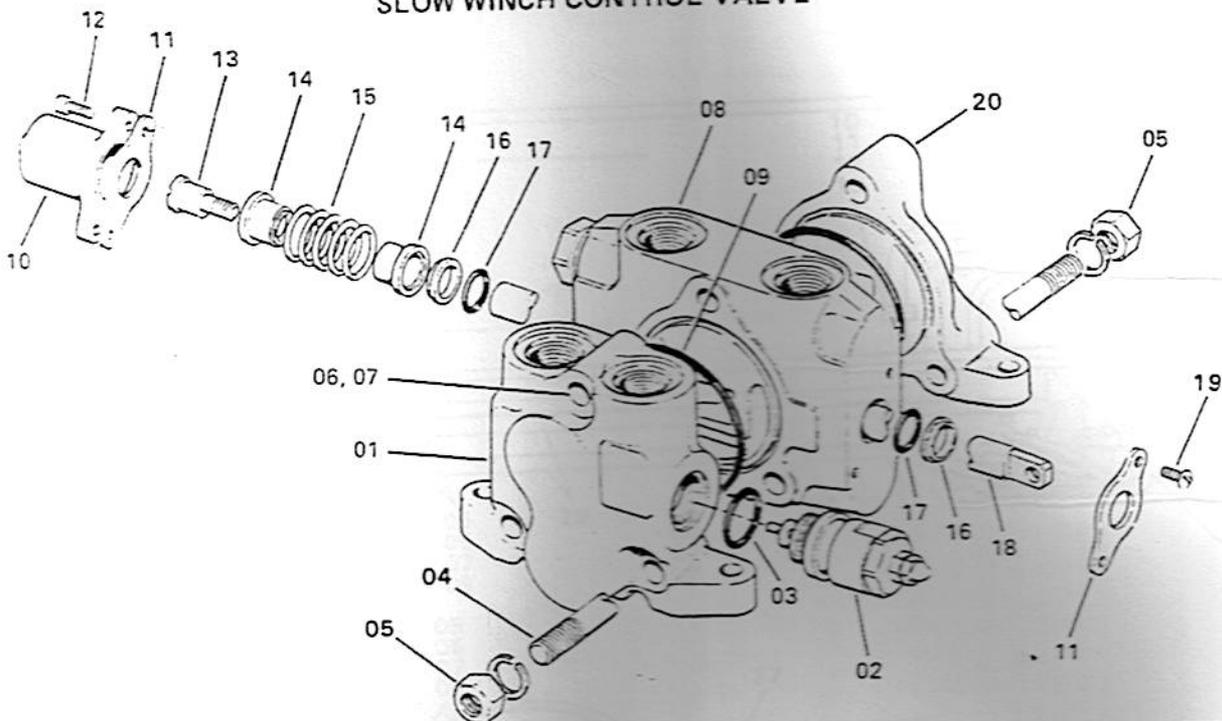


Ref.	OPTION Part Number	Description	Quantity	
			Figure Num	
-	923J6-1	SLOW WINCH HYDRAULIC ASSEMBLY	1	
01	44N538	. TUBE ASSY. . . . .	1	
02		. SCREW, Hex. hd. cap 3/8-16UNC x 1-1/4 in. . . . .	4	
03		. WASHER, Lock 3/8 in. . . . .	4	
04	44Q26D2	. FLANGE, Split . . . . .	2	

SLOW WINCH HYDRAULIC ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
05	45Z479D46	. O-RING . . . . .	1			
06	44N528	. TUBE ASSY. . . . .	1			
07	44Z421D10	. ELBOW, 90° o-ring . . . . .	1			
08	45Z91D172	. O-RING . . . . .	1			
09	44Z485D38	. CONNECTOR, O-ring . . . . .	1			
10	45Z91D172	. O-RING . . . . .	1			
11	44Q552D1	. HOSE ASSY. . . . .	2			
12	44Z421D31	. ELBOW, 90° . . . . .	1			
13	36U129D2	. VALVE, Slow winch control (Page 30.1) . . . . .	1			
14	44Z485D35	. CONNECTOR, Long . . . . .	2			
15	44Z473D9	. ELBOW, 90° swivel nut . . . . .	2			
16		. SCREW, Hex. hd. cap 1/2-13UNC x 1-1/2 in. . . . .	3			
17		. WASHER, Lock 1/2 in. . . . .	3			
18	44Q552D2	. HOSE ASSEMBLY . . . . .	1			
19	44N523	. TUBE ASSY. . . . .	1			
20	44P105D1	. HOSE ASSY. . . . .	1			

### SLOW WINCH CONTROL VALVE

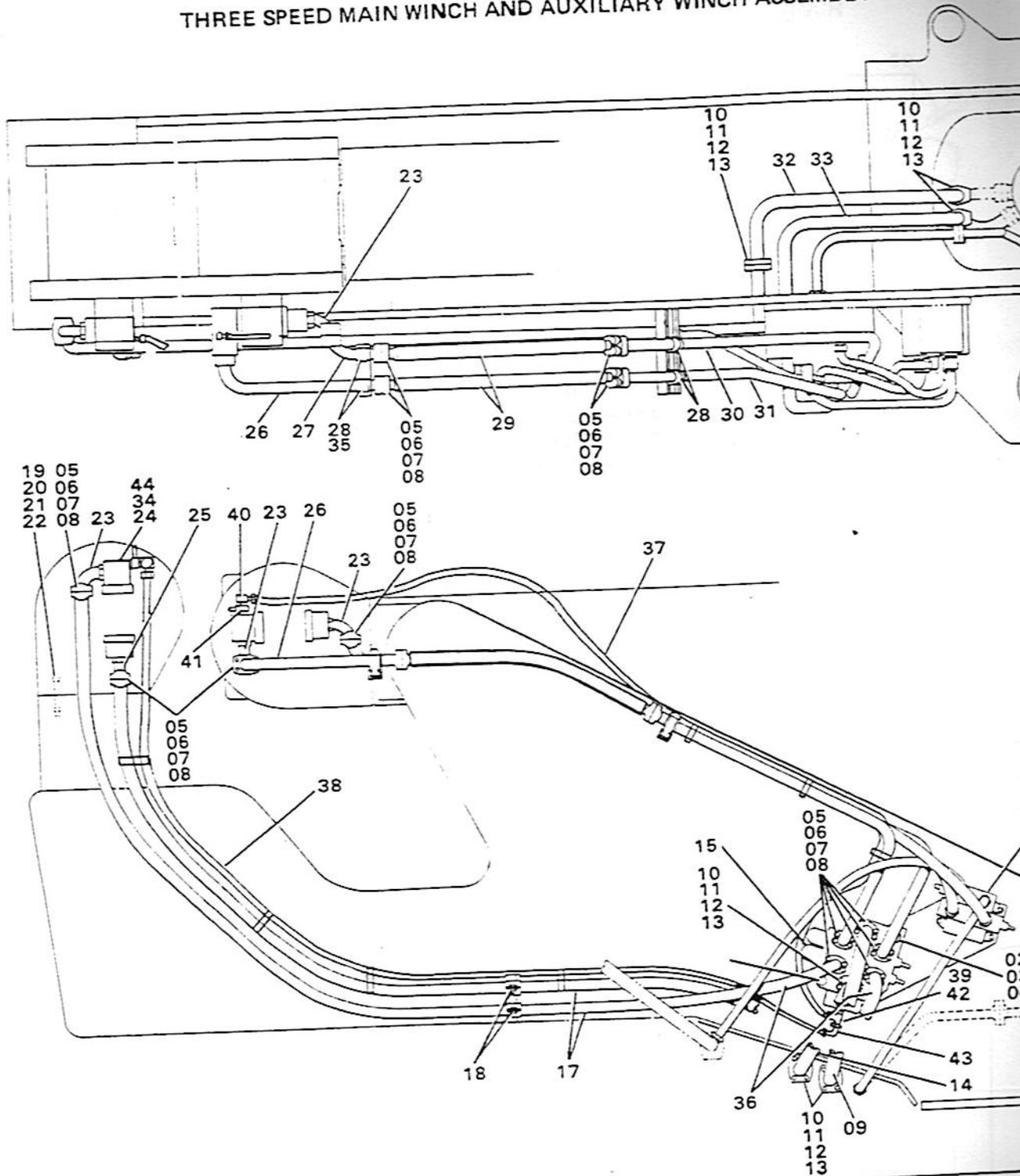


Ref.	OPTION Part Number	Description	Quantity	
			Figure	Number
—	36U129D2	CONTROL VALVE — SLOW WINCH	1	1
—	1035Z777	.. INLET SECTION .....	1	1
01	1014Z1419	.. HOUSING .....	1	1
02	1035Z774	.. RELIEF VALVE — SLOW WINCH .....	1	1
03	NOTE	.. O-RING .....	2	2
04	1020Z5120	.. ROD, Tie .....	4	4
05	1020Z5122	.. NUT .....	1	1
06	1020Z5121	.. ROD, Tie .....	2	2
07	1020Z5112	.. NUT .....	1	1
—	1035Z841	.. PLUNGER SECTION .....	1	1
08	1014Z1605	.. HOUSING .....	2	2
09	NOTE	.. O-RING .....	1	1
10	1014Z563	.. CAP .....	2	2
11	1032Z131	.. PLATE, Seal .....	2	2
12	1020Z2795	.. CAPSCREW .....	1	1
13	1020Z5115	.. SCREW .....	2	2
14	1018Z2360	.. SEAT, Spring .....	1	1
15	1017Z592	.. SPRING .....	2	2
16	NOTE	.. WIPERS .....	2	2
17	NOTE	.. O-RING .....	1	1
18	1014Z603	.. PLUNGER .....	2	2
19	1020Z2797	.. SCREW, Mach. .....	1	1
—	1035Z779	.. OUTLET SECTION .....	1	1
20	1014Z1460	.. HOUSING .....	1	1

**NOTE**

Seal kit 1145Z20 includes Ref. 03, 09, 16 & 17.

# THREE SPEED MAIN WINCH AND AUXILIARY WINCH ASSEMBLY

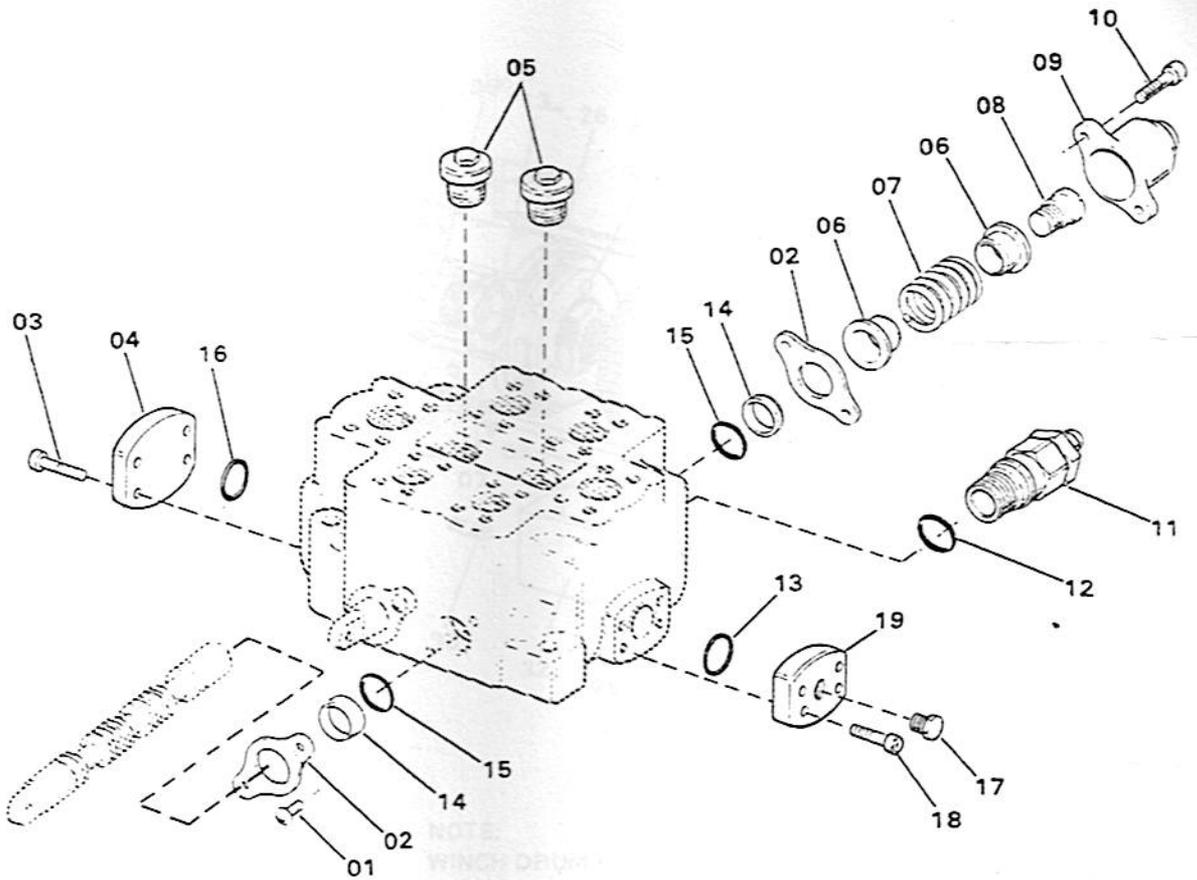


Ref.	OPTION Part Number	Description	Quantity			
			3	4	5	7
-	923J7-3	THREE SPEED MAIN WINCH AND AUX. WINCH ASSY.		▼		
-	923J7-4	THREE SPEED MAIN WINCH W/O AUX. WINCH ASSY.			▼	
-	923J7-5	THREE SPEED MAIN WINCH & AUX. WINCH ASSY. - ENPI				▼
-	923J7-7	THREE SPEED MAIN WINCH & AUX. WINCH ASSY. - FIBERES FLUID				▼

THREE SPEED MAIN WINCH AND AUXILIARY WINCH ASSEMBLY (Continued)

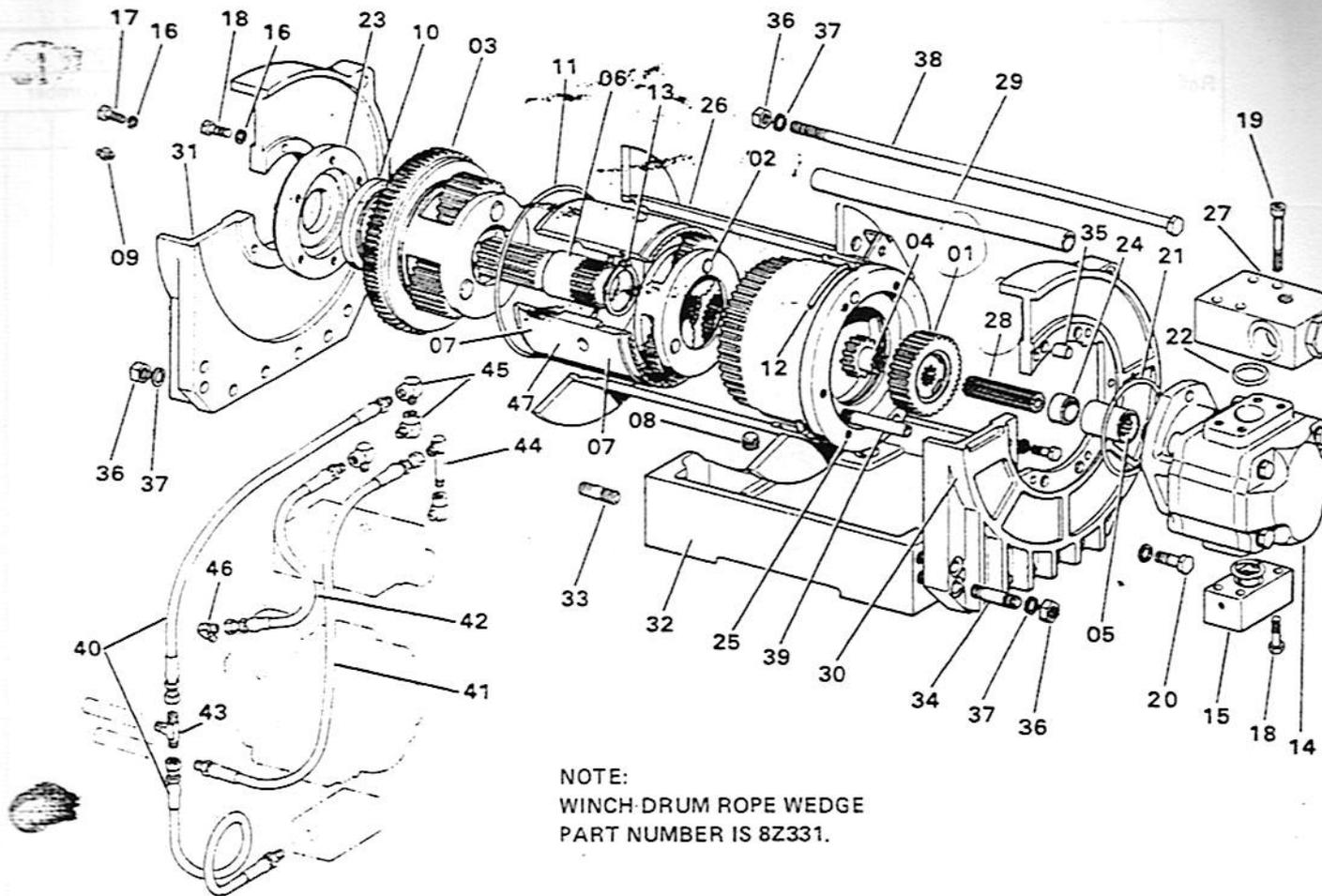
Ref.	OPTION Part Number	Description	Quantity			
			Figure Num			
			3	4	5	7
02		. SCREW, Hex hd. cap 1/2-13UNC x 2 in.	1	1	1	1
03		. WASHER, Lock 1/2 in.	3	3	3	3
04		. WASHER, Flat 1/2 in.	3	3	3	3
05		. SCREW, Hex hd. cap 3/8-16UNC x 1-1/4 in.	52	44	52	52
06		. WASHER, Lock 3/8 in.	52	44	52	52
07	44Q26D3	. FLANGE, Split				
08	45Z479D21	. O-RING, Flange	26	22	26	26
09	44N447	. TUBE ASSY.	13	11	13	13
10		. SCREW, Hex hd. cap 7/16-14UNC x 1-1/2 in.	1	1	1	1
11		. WASHER, Lock 7/16 in.	20	20	20	20
12	44Q26D4	. FLANGE, Split	20	20	20	20
13	45Z479D22	. O-RING, Flange	10	10	10	10
14	44N519	. TUBE ASSY.	5	5	5	5
15	36U130D3	. VALVE, Medium main winch and aux. winch (Page 32.1)	1	1	1	1
16		. SCREW, Hex hd. cap 1/2-13UNC x 3-1/2 in.	1	1	1	1
17	44Q492D3	. HOSE ASSY.	2	2	2	2
18	16Z338D7	. CLAMP, Tube	2	-	2	2
19		. SCREW, Hex hd. cap 5/8-11UNC x 2-1/2 in.	2	-	2	2
20		. WASHER, Flat 3/8 in.	8	-	8	8
21		. WASHER, Lock 5/8 in.	8	-	8	8
22		. NUT, Hex 5/8-11UNC	8	-	8	8
23	44Q502	. ADAPTER, Flange	3	-	8	8
24	23R1	. WINCH ASSY., Auxiliary (Page 33.1)	8	2	3	3
25	44Q503D1	. ADAPTER, Flange	1	-	-	-
26	44P1840	. TUBE ASSY.	1	-	1	1
27	44P1839	. TUBE ASSY.	1	1	1	1
28	16Z338D6	. CLAMP, Tube	1	1	1	1
29	44Q494D1	. HOSE ASSY.	4	4	4	4
29	44Q494D3	. HOSE ASSY.	2	2	-	2
30	44N545	. TUBE ASSY.	-	-	2	-
31	44N544	. TUBE ASSY.	1	1	1	1
32	44N530	. TUBE ASSY.	1	1	1	1
33	44N531	. TUBE ASSY.	1	1	1	1
34	8Z331	. WEDGE, Winch	1	1	1	1
35	16Z339D5	. BRACKET, Tube clamp	1	-	1	1
36	44T552D1	. PLUG, 4-bolt flange	1	1	1	1
37	44P39D18	. HOSE ASSY., 108 in. lg.	-	2	-	-
38	44P39D14	. HOSE ASSY., 132 in. lg.	1	1	1	1
39	44Z591D7	. ELBOW, 90° male	1	-	1	1
40	44Z591D8	. ELBOW, 90° male	-	1	-	-
41	44Z686D1	. TEE, Service	2	1	2	2
42	44Z902D5	. TEE, Male run	2	1	2	2
43	44Z473D5	. ELBOW, 90° swivel nut	1	-	1	1
44	23R2D2	. WINCH - GROOVED (ENPI) (Page 33.3)	1	-	1	1
44	23R3	. WINCH - AUX. FIRE RESISTANT (Page 33.4)	-	-	1	-

## CONTROL VALVE – MEDIUM MAIN AND AUXILIARY WINCH



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
—	36U130D3	CONTROL VALVE – MEDIUM MAIN/AUXILIARY WINCH	1			
01	1018Z1920	. SCREW, Machine. . . . .	4			
02	1020Z2059	. PLATE, Seal. . . . .	4			
03	1020Z5548	. SCREW, Cap. . . . .	4			
04	1014Z1870	. CAP, Flange . . . . .	1			
05	1020Z5551	. PLUG, O-ring . . . . .	2			
06	1017Z473	. SEAT, Spring . . . . .	4			
07	1017Z1060	. SPRING. . . . .	2			
08	1020Z5549	. SCREW. . . . .	2			
09	1014Z350	. CAP . . . . .	2			
10	1020Z2031	. SCREW, Cap. . . . .	4			
11	36Z496	. VALVE, Relief . . . . .	1			
12		. O-RING. . . . .	1			
—	1145Z13	. KIT, Seal . . . . .	AR			
12		. O-RING. . . . .	1			
13		. O-RING. . . . .	1			
14		. WIPER. . . . .	4			
15		. O-RING. . . . .	4			
16		. O-RING. . . . .	1			
17	1020Z5552	. PLUG, O-ring . . . . .	1			
18	1020Z5550	. SCREW, Cap. . . . .	4			
19	1014Z1594	. CAP, Flange . . . . .	1			

## WINCH ASSEMBLY



Ref.	OPTION	Description	Quantity			
	Part Number		Figure Number			
-	23R1	WINCH ASSEMBLY	Y			
01	1015Z844	. BRAKE CLUTCH ASSEMBLY (Sheet 3 of 5) . . . . .	1			
02	1013Z183	. PRIMARY PLANET GEAR ASSEMBLY (Sheet 3 of 5) . . . . .	1			
03	1013Z184	. FINAL PLANET CARRIER ASSEMBLY (Sheet 4 of 5) . . . . .	1			
04	1001Z721	. GEAR, Input sun. . . . .	1			
05	1018Z3303	. COUPLING, Motor . . . . .	1			
-	1018Z6027	. RING, Snap . . . . .	1			
06	1001Z722	. GEAR, Output sun . . . . .	1			
07	1001Z1292	. GEAR, Ring . . . . .	2			
08	1020Z6015	. PLUG, Pipe . . . . .	2			
09	1036Z482	. PLUG, Vent . . . . .	1			
10	1018Z3309	. SEAL, Oil . . . . .	1			
11	SEE NOTE	. O-RING. . . . .	1			
12	SEE NOTE	. RING, Quad. . . . .	1			
13	1018Z3310	. RING, Retaining . . . . .	1			
14	1041Z22	. MOTOR, Hydraulic (Sheet 5 of 5). . . . .	1			
15	1040Z48	. MANIFOLD . . . . .	1			
16	1018Z6028	. WASHER, Lock . . . . .	12			

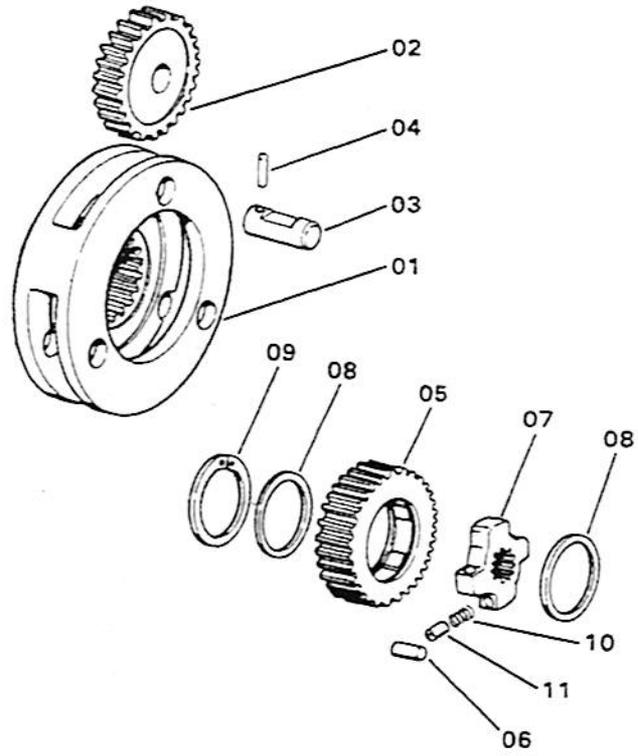
### WINCH ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
17	1020Z4737	. CAPSCREW . . . . .	19			
18	1020Z3156	. CAPSCREW . . . . .	4			
19	1020Z3157	. CAPSCREW . . . . .	4			
20	1020Z4735	. CAPSCREW . . . . .	2			
21	SEE NOTE	. O-RING . . . . .	1			
22	SEE NOTE	. O-RING . . . . .	1			
23	1016Z307	. SUPPORT, Drum anchor . . . . .	1			
24	1018Z3307	. SPACER . . . . .	—			
25	1038Z202	. BRAKE CYLINDER ASSEMBLY (Sheet 4 of 5) . . . . .	1			
26	1023Z21	. CABLE DRUM ASSEMBLY . . . . .	1			
27	1036Z832	. VALVE, Counterbalance . . . . .	1			
28	1010Z663	. SHAFT, Input . . . . .	1			
29	1018Z6023	. SPACER . . . . .	2			
30	1032Z329	. PLATE, Side-motor end . . . . .	1			
31	1032Z328	. PLATE, Side-support end . . . . .	1			
32	1016Z480	. BASE . . . . .	1			
33	1020Z6079	. STUD . . . . .	8			
34	1020Z6079	. STUD . . . . .	8			
35	1019Z719	. PIN, Dowel . . . . .	4			
36	1020Z4736	. NUT, Hex. . . . .	18			
37	1018Z3317	. WASHER, Lock . . . . .	20			
38	1020Z6077	. CAPSCREW . . . . .	2			
39	1020Z5487	. NIPPLE . . . . .	2			
40	1044Z530	. HOSE ASSEMBLY — 12 in. lg. . . . .	2			
41	1044Z493	. HOSE ASSEMBLY — 16 in. lg. . . . .	1			
42	1044Z577	. HOSE ASSEMBLY — 10 in. lg. . . . .	1			
43	1018Z3314	. TEE, Male . . . . .	1			
44	1044Z574	. ELBOW, Male — large . . . . .	1			
45	1018Z4678	. ELBOW, 90° street . . . . .	4			
47	1018Z5644	. COUPLING, Ring gear . . . . .	1			

**NOTE**

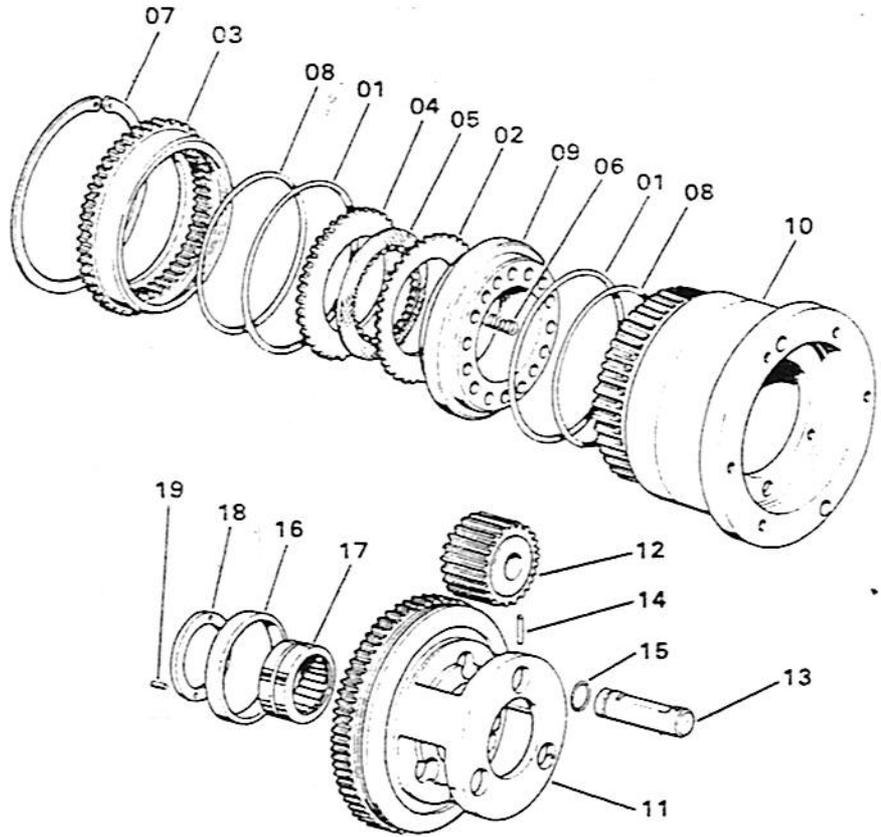
When resealing winch seal kit 1045Z888 must be ordered.

WINCH ASSEMBLY (Continued)  
 PRIMARY PLANET GEAR ASSEMBLY  
 BRAKE CLUTCH ASSEMBLY



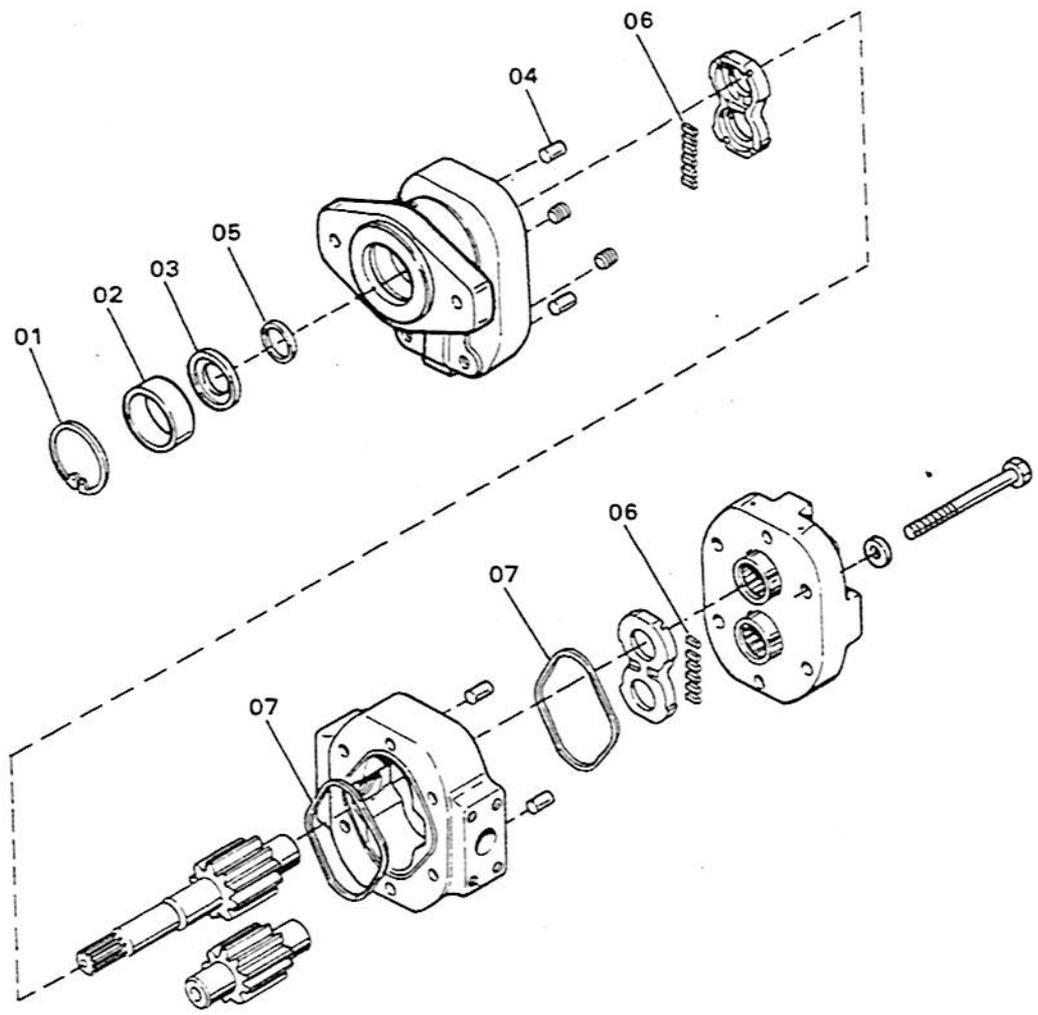
Ref.	OPTION Part Number	Description	Quantity	
				Figure Number
-	1013Z183	PRIMARY PLANET GEAR ASSEMBLY		
-	1015Z844	BRAKE CLUTCH ASSEMBLY		
01	1013Z182	. CARRIER, Planet	1	Y
02	1001Z719	. GEAR, Planet	3	-
03	1010Z662	. SHAFT, Planet gear	3	-
04	1019Z720	. PIN, Roll 3/16 in. dia. x 3/4 in.	3	-
05	1015Z845	. RACE, Brake	-	1
06	1015Z839	. ROLLERS, Brake	-	4
07	1015Z846	. CAM, Brake	-	1
08	1018Z6026	. RETAINER, Cam	-	2
09	1018Z3319	. RING, Snap	-	2
10	1017Z7704	. SPRING	-	4
11	1020Z3203	. PLUNGER	-	4

WINCH ASSEMBLY (Continued)  
 BRAKE CYLINDER ASSEMBLY  
 FINAL PLANET CARRIER ASSEMBLY



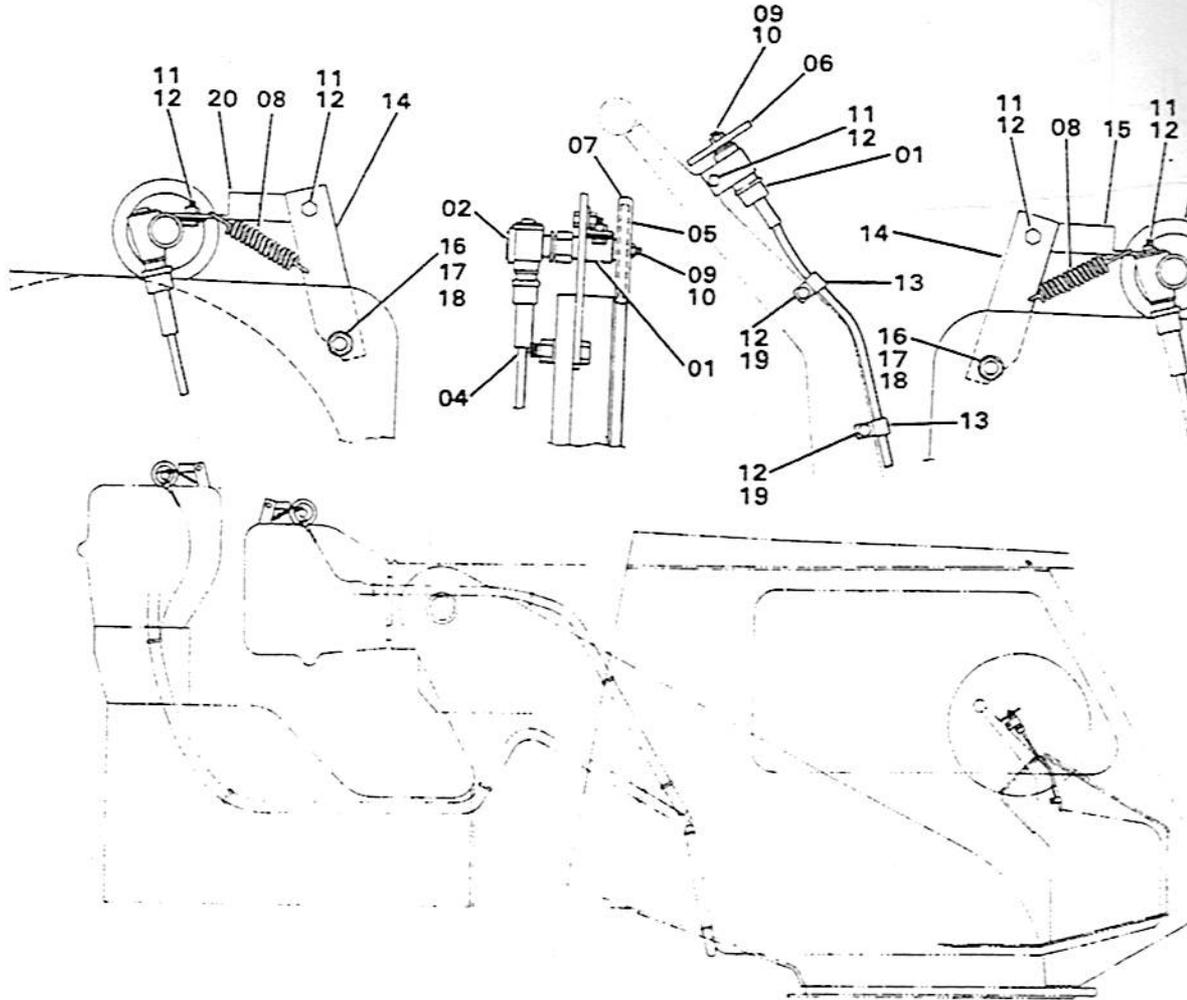
Ref.	OPTION Part Number	Description	Quantity	
			Figure	Number
-	1038Z202	BRAKE CYLINDER ASSEMBLY	1	
-	1013Z184	FINAL PLANET CARRIER ASSEMBLY	1	
01		. O-RING . . . . .	2	-
02	1015Z843	. DISC, Brake . . . . .	4	-
03	1015Z1306	. RING, Brake . . . . .	1	-
04	1018Z6054	. PLATE, Back-up . . . . .	1	-
05	1018Z6055	. DISC, Friction . . . . .	4	-
06	1015Z842	. SPRING, Brake . . . . .	16	-
07	1018Z3311	. RING, Retaining . . . . .	1	-
08		. O-RING . . . . .	2	-
09	1039Z330	. PISTON, Brake release . . . . .	1	-
10	1015Z1035	. CYLINDER, Brake . . . . .	1	-
11	1013Z181	. CARRIER, Planet . . . . .	-	1
12	1001Z720	. GEAR, Planet . . . . .	-	3
13	1010Z2661	. SHAFT, Planet gear . . . . .	-	3
14	1019Z1041	. PIN, Spirol . . . . .	-	3
15		. O-RING . . . . .	-	3
16	1018Z3315	. SLEEVE, Wear . . . . .	-	1
17	1025Z1278	. BEARING, Roller . . . . .	-	1
18	1018Z3305	. WASHER, Thrust . . . . .	-	1
19	1019Z7717	. PIN, Thrust washer . . . . .	-	2

WINCH ASSEMBLY (Continued)  
WINCH MOTOR ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
-	1041Z2	WINCH MOTOR ASSEMBLY		1
01	1018Z5471	. RING, Snap		1
02	1018Z5469	. SPACER		12
03	1018Z5470	. SEAL, Retainer		4
04		. PIN, Dowel		1
-	1045Z1580	. KIT, Seal		1
05		.. SEAL		6
06		.. SEAL, Pocket		2
07		.. SEAL, Gasket		

## INDICATOR – WINCH DRUM TURN

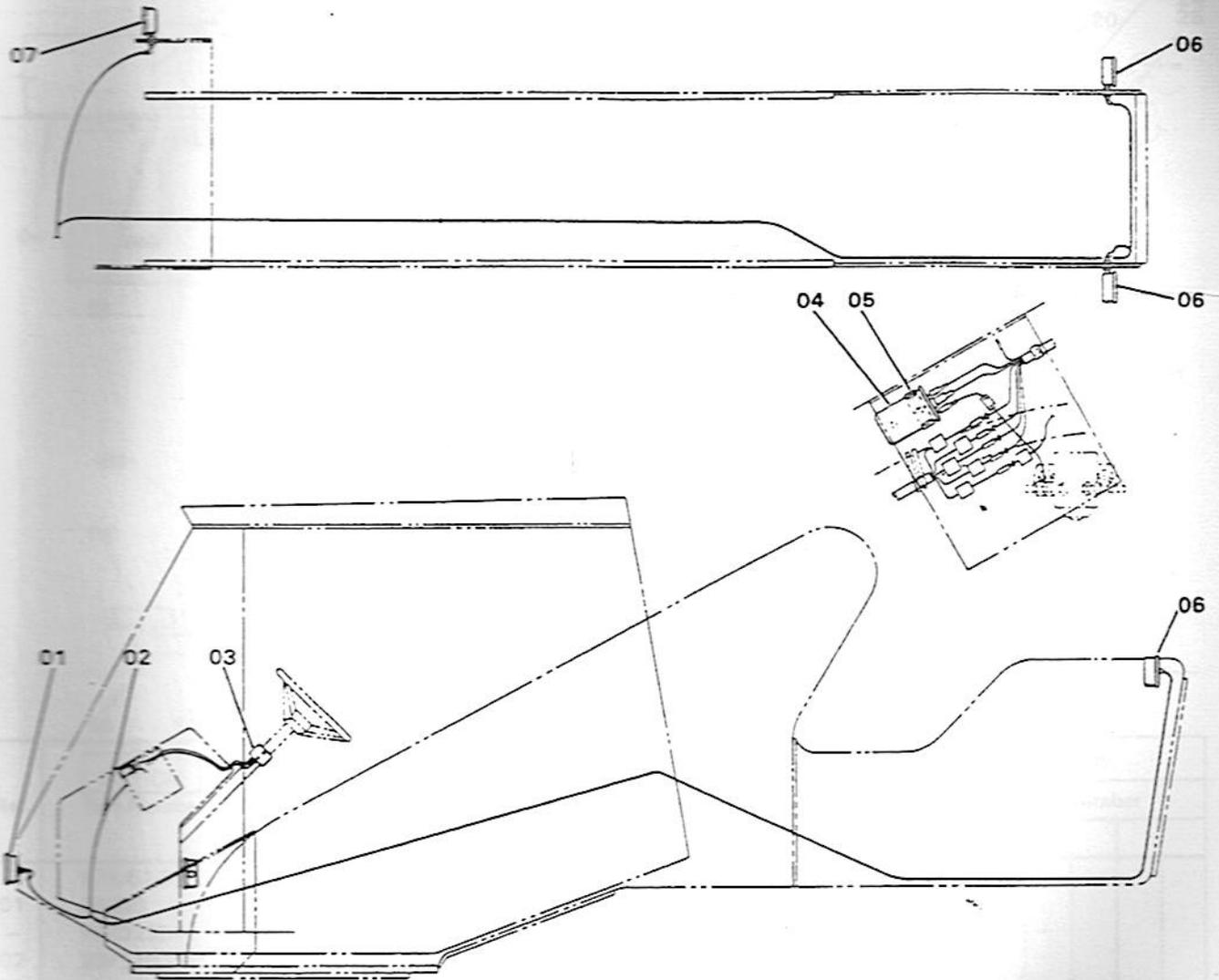


Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
			1	2
—	100J5212-1	INDICATOR, WINCH DRUM TURN – MAIN	1	2
—	100J5212-2	INDICATOR, WINCH DRUM TURN – AUX.	1	2
01	6Z366	. DRIVE	2	2
02	89Z360	. ADAPTER, 90°	1	1
03	6Z365D3	. CABLE	1	—
04	6Z365D4	. CABLE	—	1
05	13Z153	. WHEEL	1	1
06	13T398	. WHEEL	1	1
07	20Z1381	. GROMMET	1	1
08	17T297	. SPRING	1	1
09		. WASHER, Lock 5/16 in	2	2

INDICATOR - WINCH DRUM TURN (Continued)

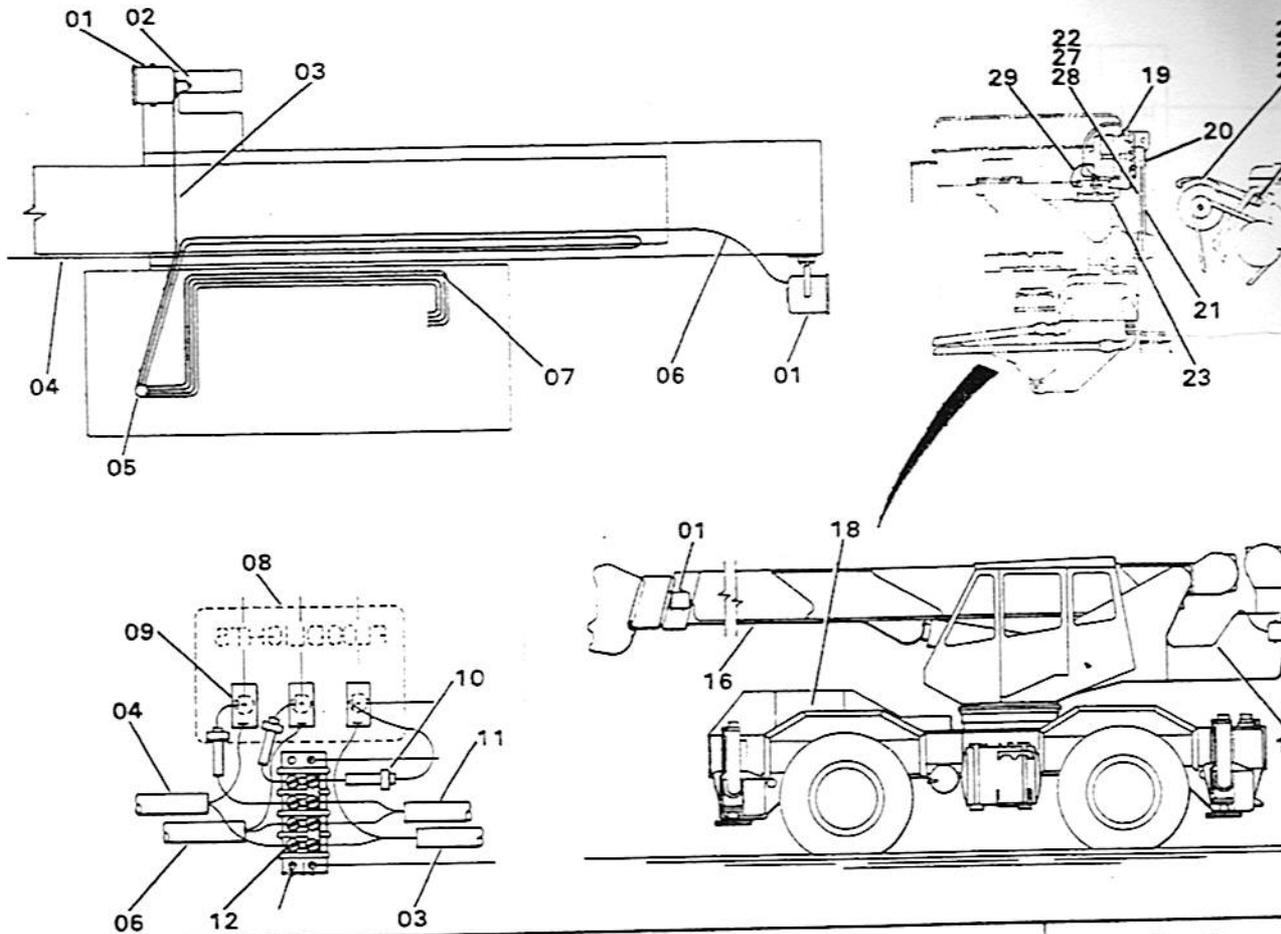
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2		
10		. NUT, 5/16 in.—18 . . . . .	2	2		
11		. SCREW, Hex hd. cap 1/4 in.—20 x 3/4 in. . . . .	3	3		
12	20Z716D1	. NUT, 1/4 in.—20 lock. . . . .	5	4		
13	32Z423D19	. CLAMP . . . . .	2	1		
14	16T7717	. BRACKET, Indicator I . . . . .	1	1		
15	16P5498D1	. BRACKET, Indicator II . . . . .	1	—		
16		. SCREW, Hex hd. cap 1/2 in.—13 x 1-1/2 in . . . . .	1	1		
17		. WASHER, Lock 1/2 in . . . . .	1	1		
18		. NUT, 1/2 in.—13 . . . . .	1	1		
19		. SCREW, Hex hd. cap 1/4 in.—20 x 1 in. lg . . . . .	2	1		
20	16P5498D2	. BRACKET, Indicator II . . . . .	—	1		

## UPPER LIGHT INSTALLATION



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
-	956J10-1	UPPER LIGHT INSTALLATION	1			
01	56Q11D3	. LIGHT, L.H. amber signal . . . . .	1			
-	1056Z36	. . BULB, Signal light . . . . .	1			
02	79Q521	. HARNESS, Upper light wiring . . . . .	1			
03	79Z1629	. SWITCH, Turn signal . . . . .	1			
04	56Z262D1	. FLASHER, Signal . . . . .	1			
05	32Z1676	. CLIP, Flasher . . . . .	1			
06	56Q11D1	. LIGHT, Red signal. . . . .	2			
-	1056Z36	. . BULB, Signal light . . . . .	1			
07	56Q11D2	. LIGHT, R.H. Amber signal . . . . .	1			
-	1056Z36	. . BULB, Signal light . . . . .	1			

## FLOODLIGHT INSTALLATION

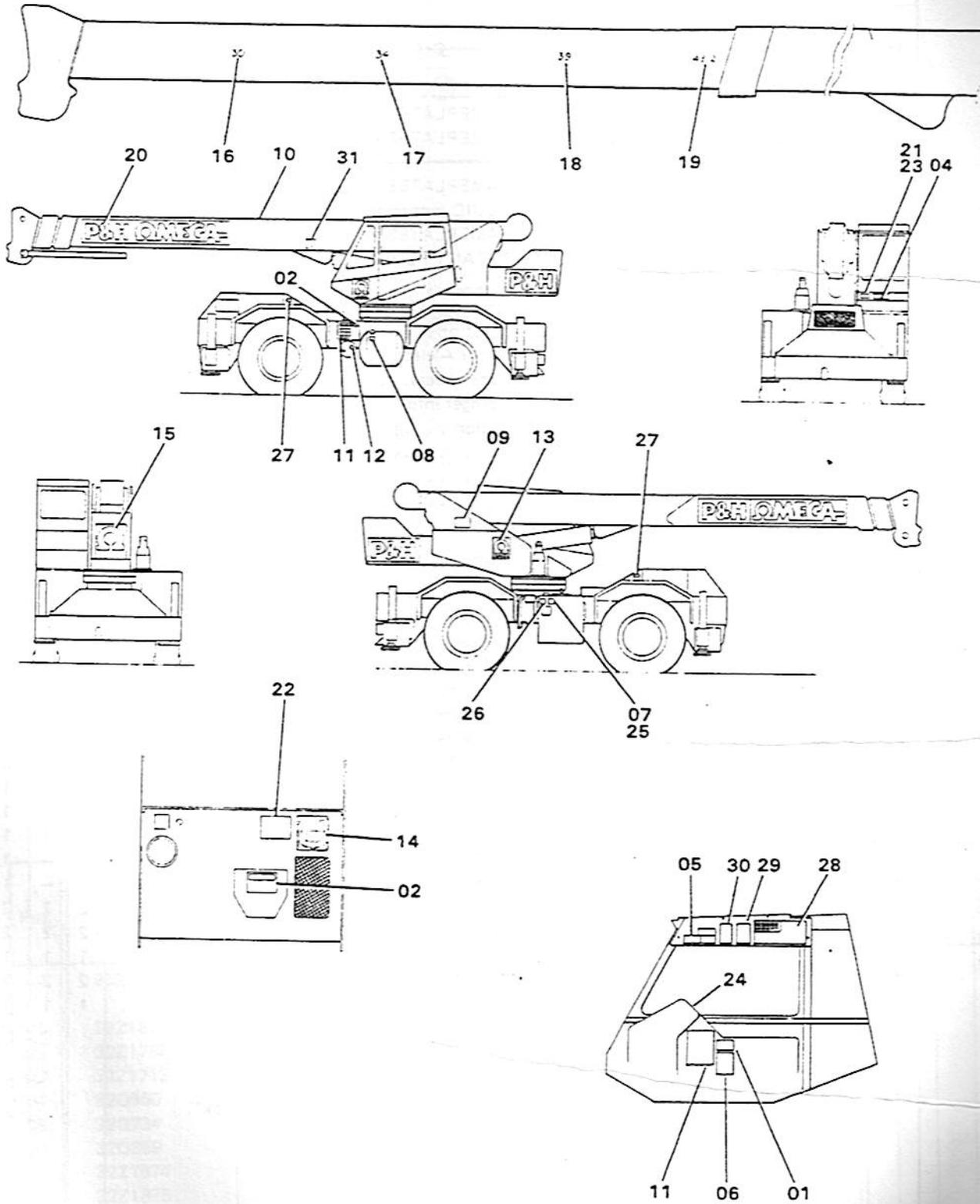


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			3			
—	979J61-3	FLOODLIGHT INSTALLATION	Y			
01	56Z30	. FLOODLIGHT . . . . .	3			
—	56Z323D4	. . LAMP . . . . .	1			
02	20F57D1	. GROMMET . . . . .	1			
03		. CABLE, 14-2 SJO x 15 ft.-0 in. . . . .	1			
04		. CABLE, 14-2 SJO x 46 ft.-0 in. . . . .	1			
05	79Z2549D3	. CONNECTOR, Knife . . . . .	2			
06		. CABLE, 14-2 SJO x 23 ft.-0 in. . . . .	1			
07	20F57D50	. GROMMET . . . . .	1			
08	32Z1758	. DECAL . . . . .	1			
09	79Z2400D1	. SWITCH . . . . .	3			
10	79Q34D12	. HOLDER, Fuse. . . . .	3			
11		. CABLE, 14-2 SJO x 11 ft.-0 in. . . . .	1			
12	79Z2505D4	. STRIP, Terminal . . . . .	1			
13		. SCREW, Rd. hd. mach. #8-32 x 3/4 in. lg. . . . .	4			
14		. WASHER, Lock #8 . . . . .	4			
15		. NUT, Hex #8-32 . . . . .	4			
16	20T9439	. TUBE . . . . .	1			
17	20T9477	. TUBE . . . . .	1			
18	100N2878-1	. ALTERNATOR INST., 72 amp . . . . .	1			
19	88U14D1	. . ALTERNATOR, . . . . .	1			
—	49Z268	. . . BLADE, Bi-directional fan . . . . .	1			
—	73Z35	. . . BRUSH ASSY. . . . .	1			
—	7072101	. . . REGULATOR . . . . .	1			

FLOODLIGHT INSTALLATION (Continued)

Ref.	OPTION Part Number	Description	Quantity	
			3	Figure Num
20	7Q21D5	.. PULLEY .....	1	
21	7Z395D4	.. SET OF BELTS .....	1	
22	20Z646D82	.. BOLT, Mtg. ....	1	
23	16P3584	.. BRACKET .....	1	
24		.. SCREW, Hex hd. cap 3/8 in. -16UNC x 3/4 in. lg. ....	2	
25		.. WASHER, Lock 3/8 in. ....	2	
26	16T3535	.. ARM, Tension. ....	1	
27		.. NUT, 1/2 in. -13UNC. ....	1	
28		.. WASHER, Lock 1/2 in. ....	1	
29	79Z2808D466	.. STRAP, Ground .....	1	
NOTE				
All individual wires, leads, terminals and jumpers should be fabricated locally.				

# TRADEMARKS & NAMEPLATES

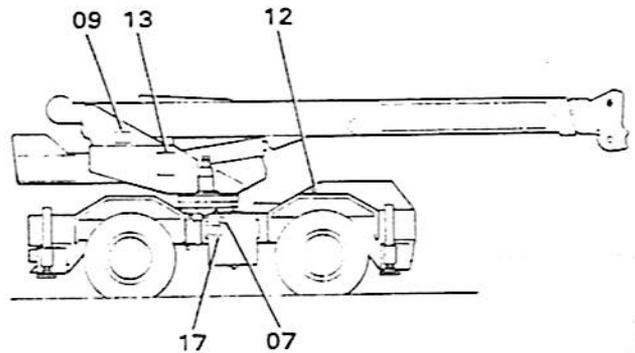
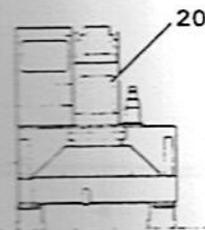
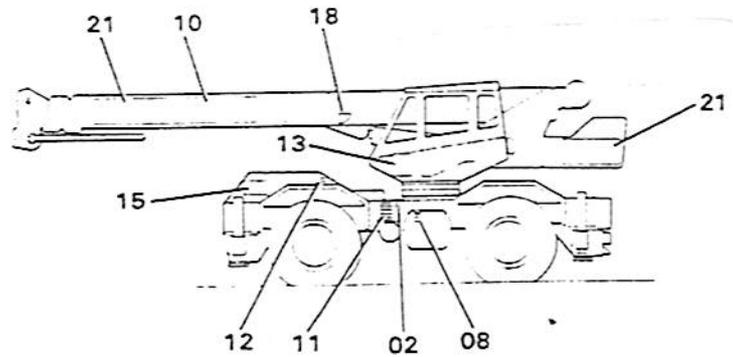
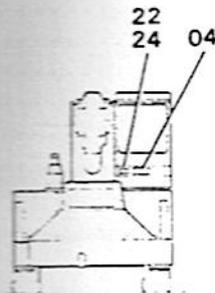
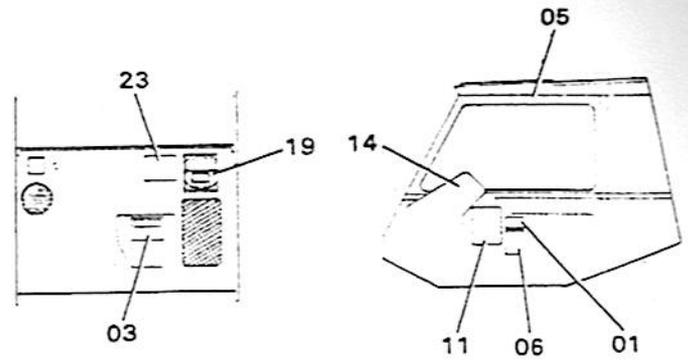
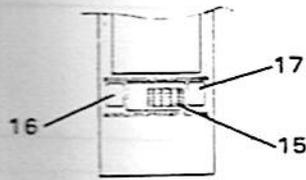


TRADEMARKS & NAMEPLATES (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	2	3	4
-	932J12-1	TRADEMARKS & NAMEPLATES - TWO SEC. BOOM				
-	932J12-2	TRADEMARKS & NAMEPLATES - THREE & FOUR SEC. BOOM				
-	932J12-3	TRADEMARKS & NAMEPLATES - TWO SEC. BOOM - FIRE RESISTANT FLUID				
-	932J12-4	TRADEMARKS & NAMEPLATES - THREE & FOUR SEC. BOOM - FIRE RESISTANT FLUID				
01	32Z1789	. DECAL, Houselock . . . . .	1	1	1	1
02	32Z1788	. DECAL, Weld-heat steel . . . . .	1	1	1	1
03	32Z1713	. PLATE, Warning - caution . . . . .	1	1	1	1
04	32Q660	. PLATE, Warning, danger - elect. . . . .	1	1	1	1
05	32Q923	. DECAL, Caution & oper. areas. . . . .	1	1	1	1
06	32Q659	. PLATE, Warning - danger info. . . . .	1	1	1	1
07	32Z1787	. DECAL, Hyd. oil caution . . . . .	1	1	-	-
08	32Z1786	. DECAL, Diesel fuel . . . . .	1	1	1	1
09	32U1624	. DECAL, Hyd. data. . . . .	1	1	1	1
10	32Q719	. DECAL, Omega. . . . .	2	2	2	2
11	32U846	. PLATE, Std. crane signals . . . . .	2	2	2	2
12		. DECAL, Range shift. . . . .	1	1	1	1
13	32Q693	. DECAL, Omega. . . . .	2	2	2	2
14	32P250	. LABEL, Recorded stc. . . . .	1	1	1	1
15	32Q694	. DECAL, Omega. . . . .	1	1	1	1
16	32Z1769	. DECAL, Boom length. . . . .	1	-	1	-
17	32Z1770	. DECAL, Boom length. . . . .	1	-	1	-
18	32Z1771	. DECAL, Boom length. . . . .	1	-	1	-
19	32Z1772	. DECAL, Boom length. . . . .	1	-	1	-
20	32U1297	. DECAL, P&H trademark. . . . .	4	4	4	4
21	20Z1282D3	. SCREW, 1/4"-20 . . . . .	2	2	2	2
22	32Z1162	. PLATE, Service. . . . .	1	1	1	1
23	932T4F2	. PLATE, Serial number . . . . .	1	1	1	1
24	32U1411	. DECAL, Control inst. . . . .	1	1	1	1
25	32Z1828	. DECAL, Hyd. fluid . . . . .	-	-	1	1
26	32Z1792	. DECAL, Pressurized reservoir. . . . .	-	-	1	1
27	32Z1897	. DECAL, Important . . . . .	2	2	2	2
28	See Note	. PLATE, Rating, on outriggers . . . . .	2	2	2	2
29	See Note	. PLATE, Range diagram. . . . .	1	1	1	1
30	See Note	. PLATE, Rating, on rubber. . . . .	2	2	2	2
31		. DECAL, Boom angle - see Boom Assy. . . . .	1	1	1	1

NOTE: See Instructions on the "How to Use This Book".

## TRADEMARKS & NAMEPLATES



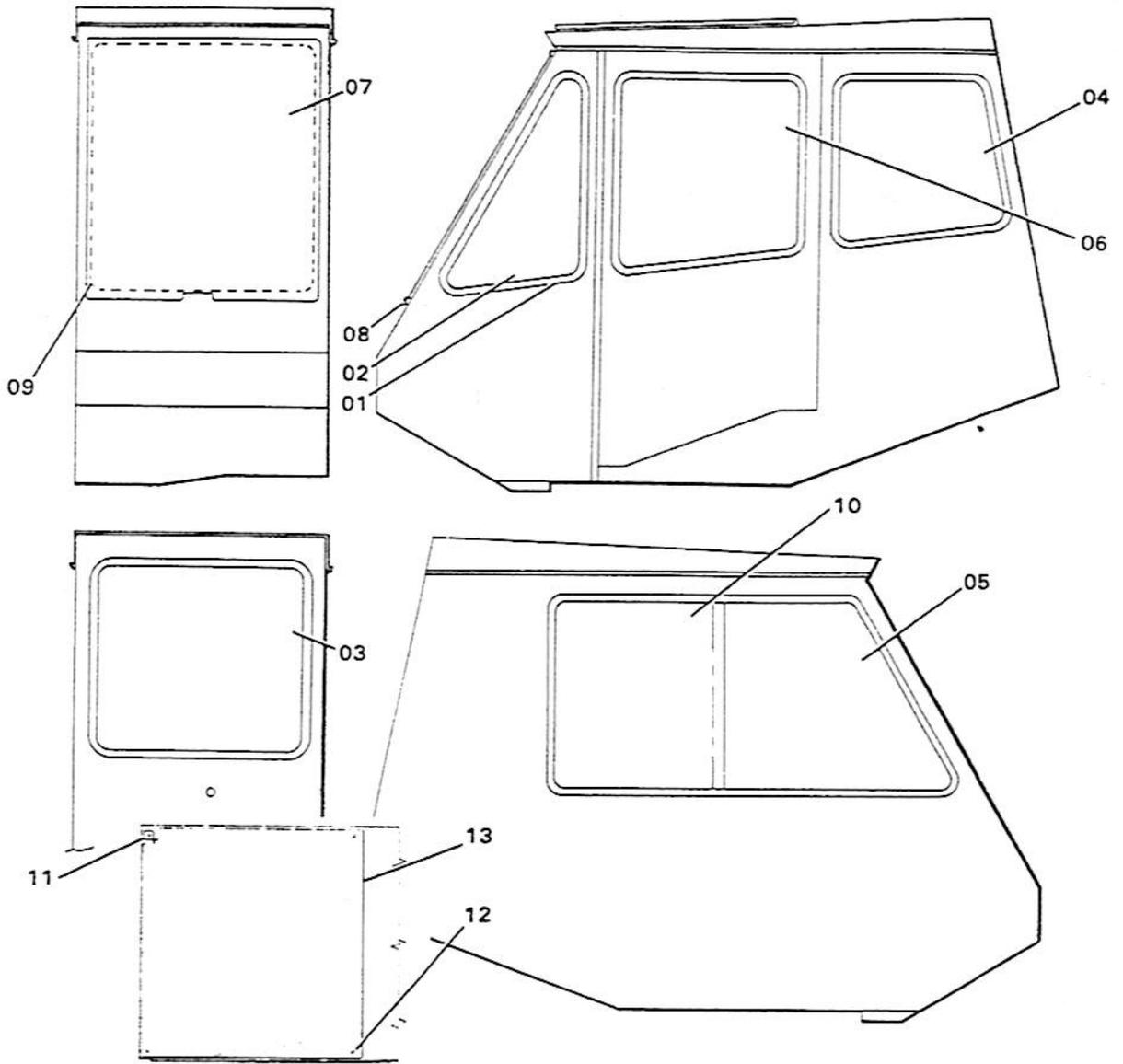
Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
-	932J9-1	TRADEMARK & NAMEPLATES, THREE & FOUR SECTION BOOM - ENPI	1	
01	32Z1873	. DECAL, Houselock . . . . .	1	
02	32Z1788	. DECAL, Weld-heat-steel . . . . .	1	
03	32Z1713	. PLATE, Warning-caution . . . . .	1	
04	32Q660	. PLATE, Warning-danger-elect. . . . .	1	
05	32Q734	. DECAL, Caution & oper. areas . . . . .	1	
06	32Q659	. PLATE, Warning-danger info. . . . .	1	
07	32Z1874	. DECAL, Hyd. oil . . . . .	1	
08	32Z1875	. DECAL, Diesel fuel . . . . .	1	
09	32U1370	. DECAL, Hyd. data. . . . .	1	
10	32Q719	. DECAL, Omega. . . . .	2	
11	32U846	. PLATE, Std. crane signals . . . . .	2	

TRADEMARKS & NAMEPLATES (Continued)

Ref.	OPTION Part Number	Description	Quantity	
			Figure Nu	
12	32Z1897	. DECAL, Important . . . . .	1	
13	32Q693	. DECAL, Omega. . . . .	2	
14	32U1393	. DECAL, Control inst. . . . .	2	
15	SEE NOTE	. PLATE, Rating — outriggers . . . . .	1	
16	SEE NOTE	. PLATE, Range diagram. . . . .	1	
17	SEE NOTE	. PLATE, Rating—rubber . . . . .	2	
18		. DECAL, Boom angle — see boom assy. . . . .	1	
19	32P250	. LABEL, Recorded std. . . . .	1	
20	32Q694	. DECAL, Omega. . . . .	1	
21	32U1297	. DECAL, P&H trademark. . . . .	4	
22	20Z1282D3	. SCREW, 1/4—20 . . . . .	2	
23	32Z1162	. PLATE, Service. . . . .	1	
24	932T4-2	. PLATE, Serial no. . . . .	1	

NOTE: SEE INSTRUCTIONS ON THE "HOW TO USE THIS BOOK".

## WINDOW PROTECTION – LEXAN

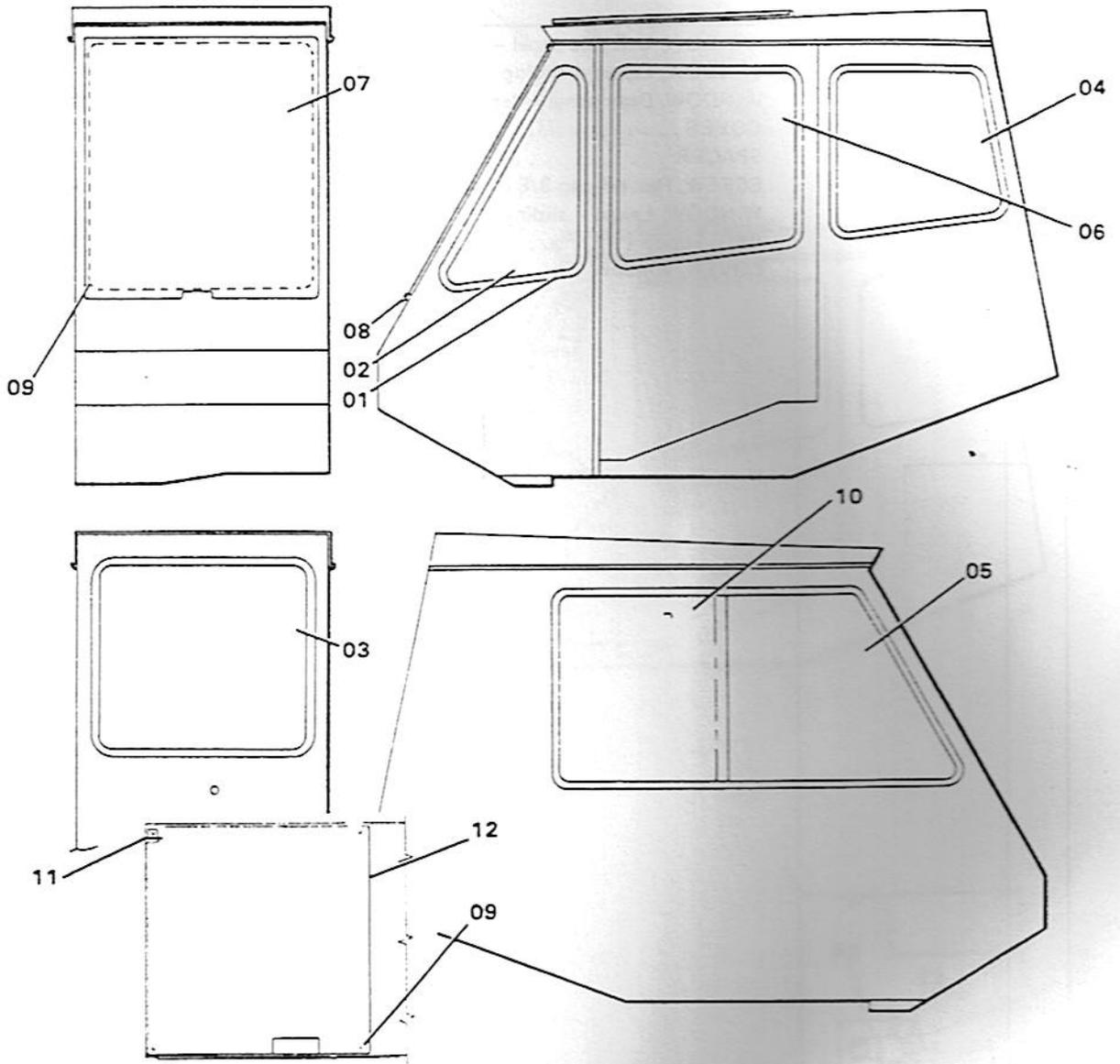


Ref.	Part Number	Description	Quantity	
			Figure Number	
—	927J256-4	WINDOW PROTECTION – LEXAN	4	
01	27Z854	. CHANNEL, Window	AR	
02	27Z1035	. WINDOW, Left front – lexan.	1	
03	27Z1034	. WINDOW, Rear panel – lexan	1	

WINDOW PROTECTION – LEXAN (Continued)

Ref.	Part Number	Description	Quantity	
			Figure No.	
			4	
04	27Z1036	. WINDOW, Left side panel – lexan . . . . .	1	
05	27Z1037	. WINDOW, Lexan – sliding . . . . .	1	
06	27Z1033	. WINDOW, Door panel – lexan . . . . .	1	
07	14N2399	. COVER . . . . .	1	
08	18T12010	. SPACER . . . . .	4	
09		. SCREW, Hex hd. cap 3/8 in. –16UNC x 1/2 in. . . . .	4	
10	27Z1038	. WINDOW, Lexan – sliding . . . . .	1	
11	16T7769	. PAD, Support . . . . .	4	
12		. SCREW, Hex hd. cap 3/8 in. –16UNC x 3/4 in. lg. . . . .	4	
13	14T1811	. COVER, Window. . . . .	1	

## WINDOW PROTECTION – LEXAN

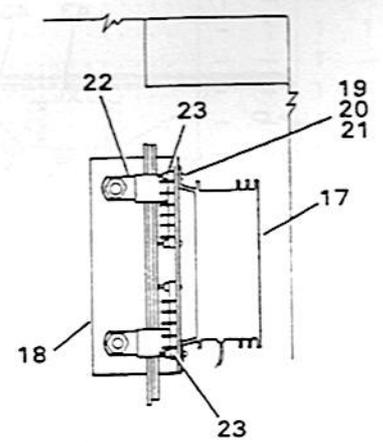
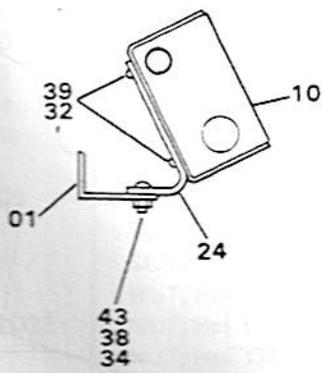
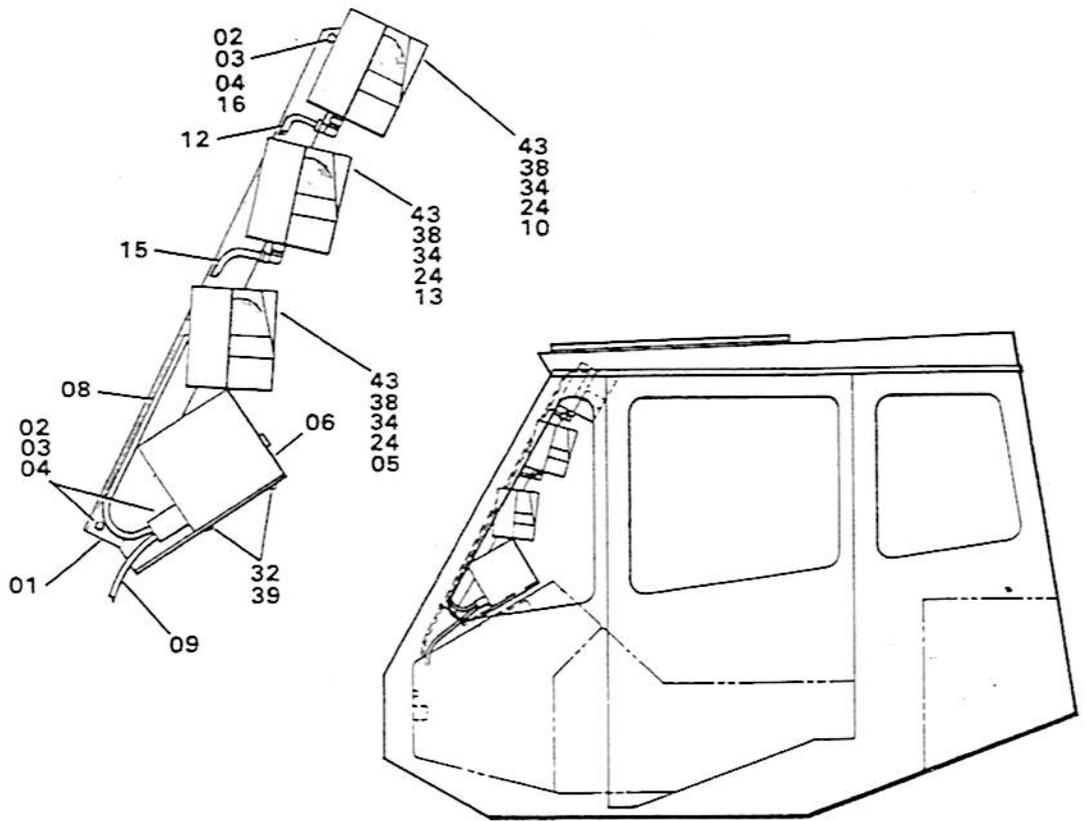


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	927J304-1	WINDOW PROTECTION – LEXAN	1			
01	27Z854	. CHANNEL, Window	AR			
02	27Z1035	. WINDOW, Left front – lexan.	1			
03	27Z1034	. WINDOW, Rear panel – lexan	1			

WINDOW PROTECTION – LEXAN (Continued)

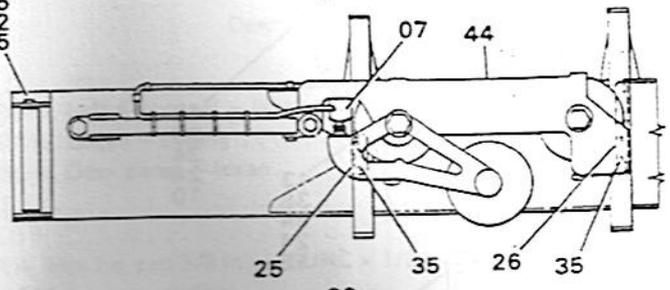
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
04	27Z1036	. WINDOW, Left side panel – lexan . . . . .	1			
05	27Z1037	. WINDOW, Lexan – sliding . . . . .	1			
06	27Z1033	. WINDOW, Door panel – lexan . . . . .	1			
07	14N2399	. COVER . . . . .	1			
08	18T12010	. SPACER . . . . .	4			
09		. SCREW, Hex hd. cap 3/8 in. –16UNC x 1/2 in. . . . .	8			
10	27Z1038	. WINDOW, Lexan – sliding . . . . .	1			
11	16T7769	. PAD, Support . . . . .	4			
12	14T1814	. COVER, Window. . . . .	4			

# OPERATIONAL WARNING SYSTEM

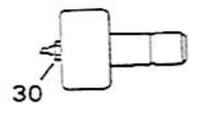
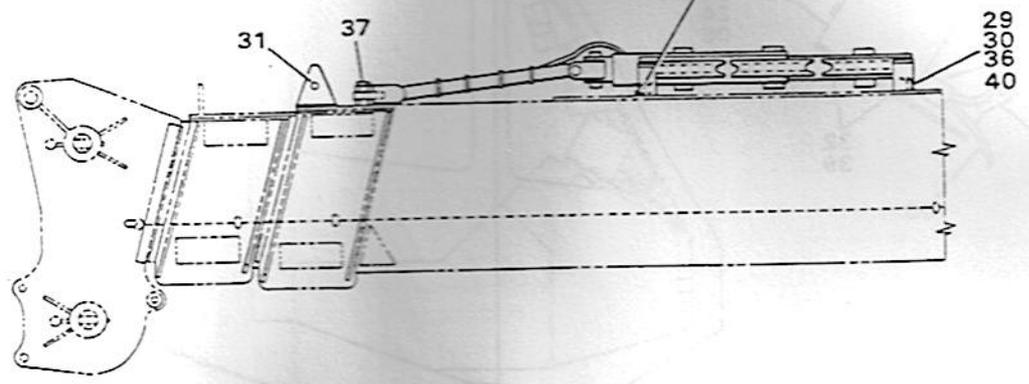


OPERATIONAL WARNING SYSTEM (Continued)

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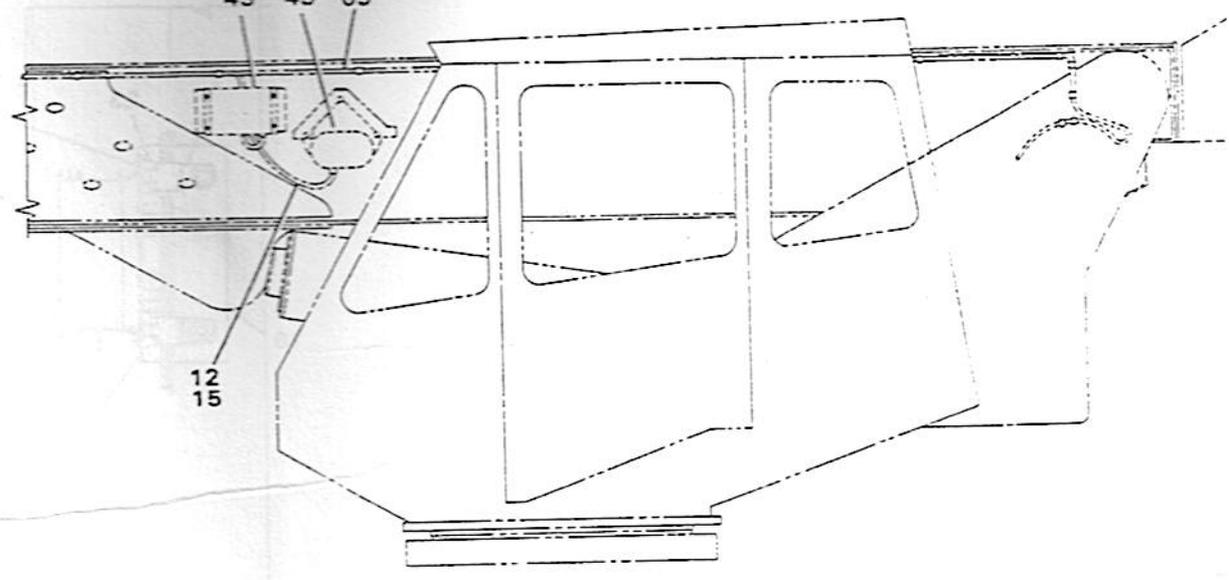


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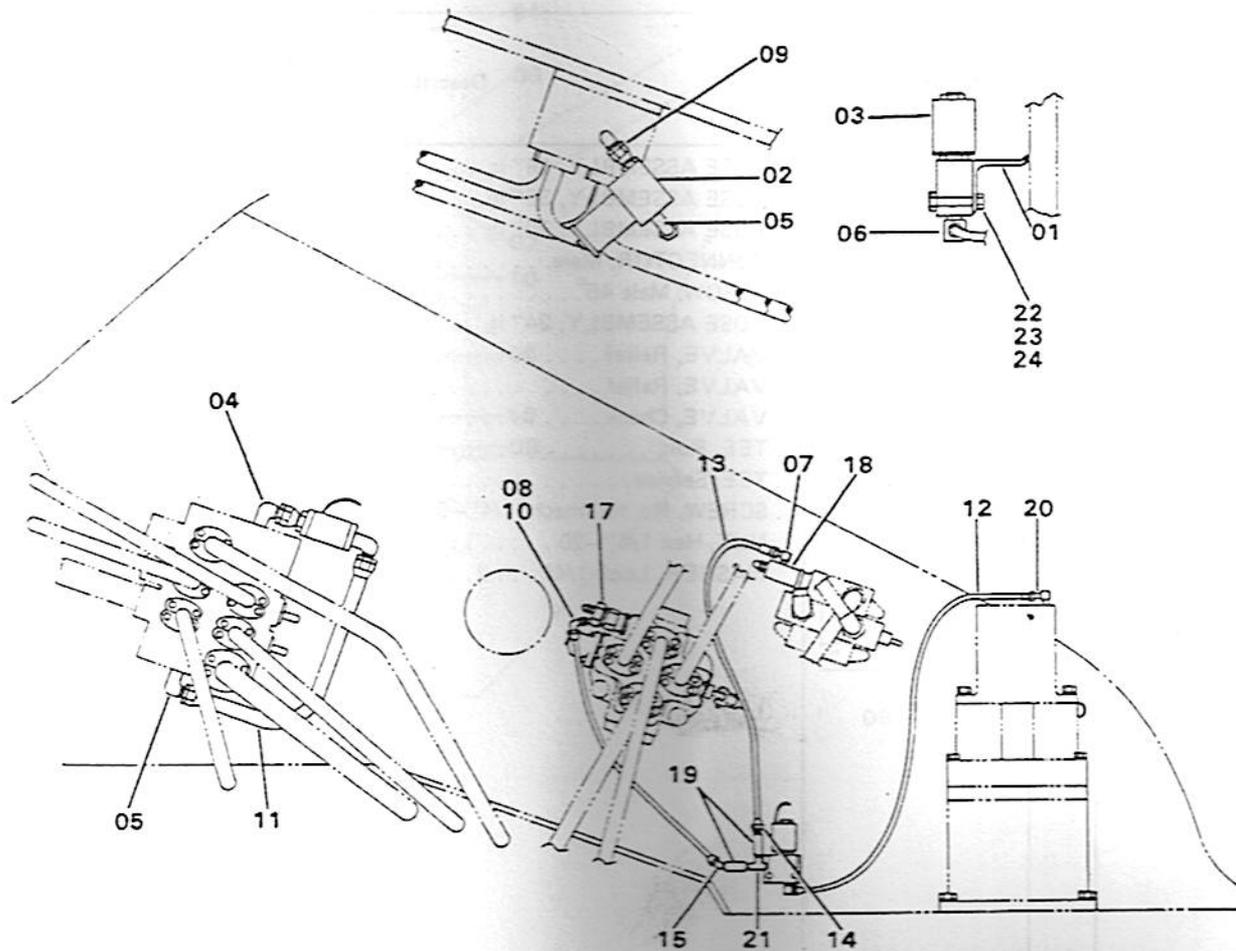
OPERATIONAL WARNING SYSTEM (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2	3	4
-	100J5066-1	OPERATIONAL WARNING SYSTEM - STD.				
-	100J5066-2	ELEC. HOOK-UP		Y		
-	100J5066-3	OPERATIONAL WARNING SYSTEM - BOOM ANGLE				
-	100J5066-4	OPERATIONAL WARNING SYSTEM - LOAD INDICATING				
-	100J5066-4	OPERATIONAL WARNING SYSTEM - BOOM LENGTH				
01	16P5271	. BRACKET WELDMENT. . . . .	1	-	-	Y
02		. SCREW, Hex hd. cap 3/8 in. -16 x 1.75 . . . . .	4	-	-	-
03		. NUT, Hex 3/8 in. -16UNC . . . . .	4	-	-	-
04		. WASHER, Lock 3/8 in. . . . .	4	-	3	-
-	79U1391D1	. LOAD MEASURE SYSTEM . . . . .	-	-	1	-
05		. INDICATOR, Load . . . . .	-	-	1	-
06		. ALARM, Load . . . . .	-	-	1	-
07		. CELL, Load . . . . .	-	-	1	-
08		. CABLE ASSY. - DIST. . . . .	-	-	1	-
09		. CABLE ASSY., - Load. . . . .	-	-	1	-
-	79Q500D1	. ANGLE MEASURE SYSTEM . . . . .	-	1	-	-
10		. INDICATOR, Angle . . . . .	-	1	-	-
11		. TRANSDUCER, Angle . . . . .	-	1	-	-
12		. CABLE ASSY., - Angle . . . . .	-	1	-	-
-	79Q501D5	. LENGTH MEASURE SYSTEM . . . . .	-	-	-	1
13		. INDICATOR, Length . . . . .	-	-	-	1
14		. TRANSDUCER, Length . . . . .	-	-	-	1
15		. CABLE ASSY., Length . . . . .	-	-	-	1
16	18T10592D3	. SPACER . . . . .	2	-	-	-
17	84Q2	. CONVERTER. . . . .	1	-	-	-
18	18P6277	. PLATE, Converter. . . . .	1	-	-	-
19		. SCREW, Rd. hd. mach. #8-32 x .75. . . . .	3	-	-	-
20		. NUT, Hex #8-32UNC . . . . .	3	-	-	-
21		. WASHER, Lock #8 . . . . .	3	-	-	-
22	32Z423D3	. CLAMP . . . . .	2	-	-	-
23	79Z2811D4	. STRIP, Terminal . . . . .	1	-	-	-
24	16P5267	. BRACKET, Meter . . . . .	-	1	1	1
25	16P4432	. SUPPORT . . . . .	-	-	1	-
26	16P4440	. SUPPORT . . . . .	-	-	1	-
27	10T1372D4	. SHAFT, Cable roller. . . . .	-	-	1	-
28	13T380D4F4	. ROLLER, Cable . . . . .	-	-	1	-
29	25Z1025	. BEARING . . . . .	-	-	3	-
30	44Z1D74	. FITTING, Zerk . . . . .	-	-	3	-
31	44Z1D10	. FITTING, Zerk . . . . .	-	-	1	-
32		. SCREW, Rd. hd. mach. #10-32 x .50. . . . .	-	2	6	2
33	20Z711D5	. SCREW, Hex hd. cap 1/4 in. -20UNC x .88. . . . .	-	4	-	-
34		. SCREW, Rd. hd. mach. 1/4 in. -20UNC x .75 . . . . .	-	2	2	2
35		. SCREW, Hex slot. hd. cap 3/8 in. - 16 x 1.00. . . . .	-	-	7	-
36		. NUT, Hex 1/2 in. -20 . . . . .	-	-	3	-
37	20H1617D22	. NUT, Hex locking 1-8. . . . .	-	-	1	-
38		. NUT, Hex 1/4 in. -20UNC . . . . .	-	6	2	5
39		. WASHER, Lock #10 . . . . .	-	2	6	2
40		. WASHER, Lock 1/2 in. . . . .	-	-	3	-
41		. WASHER, Flat 1/4 in. . . . .	-	4	-	3
42		. WASHER, Flat 3/8 in. . . . .	-	-	3	-

OPERATIONAL WARNING SYSTEM (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Num			
			1	2	3	4
43		. WASHER, Lock 1/4 in. . . . .	-	6	2	5
44	30P19D1	. DEFLECTOR, Cable . . . . .	-	-	1	-
-	6P2566	. LINK. . . . .	-	-	1	-
45		. PIN, Cotter .062 x 1.75 . . . . .	-	-	1	-
		NOTE				
		All individual wires, leads and jumpers should be fabricated locally.				

## VALVE INSTALLATION – SOLENOID

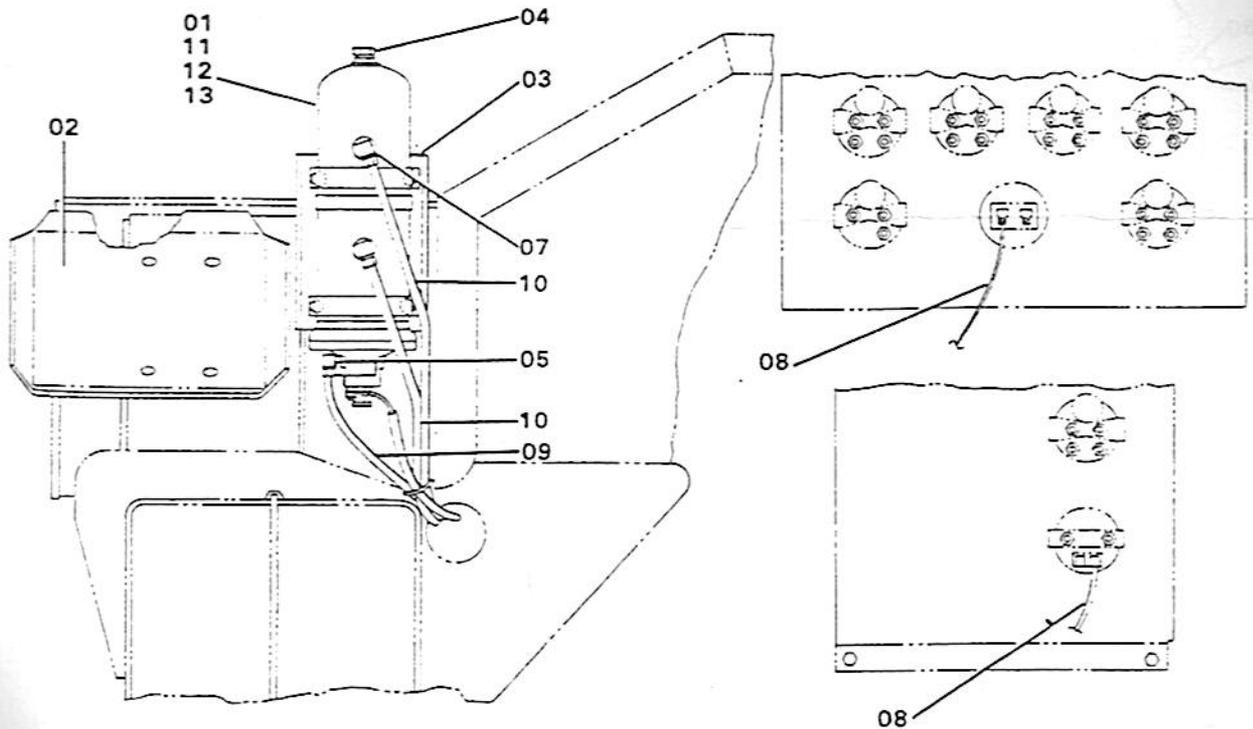


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2		
-	100J5207-1	VALVE INSTALLATION, SOLENOID, SINGLE SPEED				
-	100J5207-2	VALVE INSTALLATION, SOLENOID, THREE SPEED				
01	16T7292	. BRACKET, Mtg . . . . .	1	1		
02	36Z1253	. VALVE, Solenoid . . . . .	1	1		
-	1075Z722	. COIL & WAVE WASHER . . . . .	1	1		
03	36Z1091D3	. VALVE, 2 way N.O. solenoid . . . . .	1	1		
04	44Z421D8	. ELBOW, 90° . . . . .	1	1		
05	44Z421D29	. ELBOW, 90° . . . . .	2	2		
06	44Z591D7	. ELBOW, Male 90° . . . . .	1	1		
07	44Z591D8	. ELBOW, Male 90° . . . . .	-	1		
08	44Z473D5	. ELBOW, Swivel 90° . . . . .	1	1		
09	44Z1181D4	. CONNECTOR. . . . .	1	1		
10	44Z590D8	. CONNECTOR. . . . .	1	1		

VALVE INSTALLATION – SOLENOID (Continued)

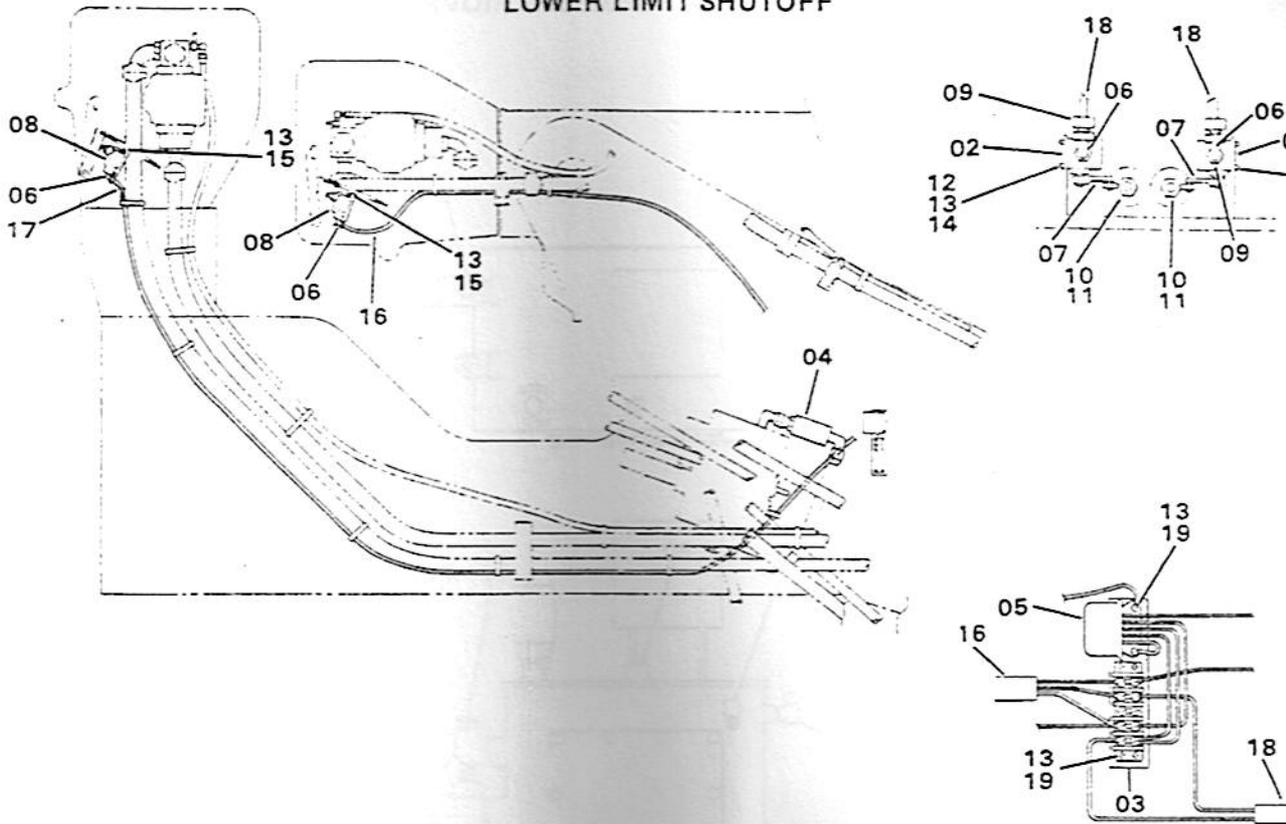
Ref.	OPTION Part Number	Description	Quantity	
			Figure Num	
			1	2
11	44P432D10	. HOSE ASSEMBLY, 19" lg . . . . .	1	1
12	44P39D4	. HOSE ASSEMBLY, 38" lg . . . . .	1	1
13	44P165D13	. HOSE ASSEMBLY, 30" lg . . . . .	-	1
14	44Z590D7	. CONNECTOR, Male. . . . .	-	1
15	44Z898D8	. ELBOW, Male 45° . . . . .	1	1
16	44P165D11	. HOSE ASSEMBLY, 24" lg . . . . .	1	1
17	36Z1237	. VALVE, Relief . . . . .	1	1
18	36Q262	. VALVE, Relief . . . . .	-	1
19	36Z816	. VALVE, Check . . . . .	-	2
20	44Z487D5	. TEE, Run. . . . .	1	1
21	44Z686D2	. TEE, Service. . . . .	-	1
22		. SCREW, Rd. hd. mach. 1/4"-20 x 2" lg . . . . .	2	2
23		. NUT, Hex 1/4"-20 . . . . .	2	2
24		. WASHER, Lock 1/4" . . . . .	2	2

## AIR DRYER INSTALLATION



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
—	946J8-1	DRYER INSTALLATION, AIR	1			
01	46U18	. ELIMINATOR, Moisture. . . . .	1			
—	1036Z807	. . . KIT, Purge valve maintenance. . . . .	1			
—	1036Z808	. . . KIT, Check valve maintenance . . . . .	1			
02	29P1413	. FLOAT, Outrigger. . . . .	1			
03	16P5426	. BRACKET. . . . .	1			
04	44Z226D4	. PLUG, Pipe 1/2 P.T.. . . . .	2			
05	44Z1587D2	. ELBOW, 90° 1/4T. x 1/4 P.T. . . . .	1			
06	44Z1587D1	. ELBOW, 90° 1/4T. x 1/8 P.T. — not shown . . . . .	1			
07	44Z1587D15	. ELBOW, 90° 5/8T. x 1/2 P.T. . . . .	2			
08	14-946J8	. TUBING, Nylon 1/4 O.D. x 78.00 . . . . .	1			
09	15-946J8	. TUBING, Nylon 1/4 O.D. x 108.00. . . . .	1			
10	17-946J8	. TUBING, Nylon 5/8 O.D. x 108.00. . . . .	2			
11		. SCREW, Hex hd. cap 3/8—UNC x 1-1/4" . . . . .	4			
12		. WASHER, Lock 3/8" . . . . .	4			
13		. NUT, Hex 3/8—UNC . . . . .	4			

LOWER LIMIT SHUTOFF

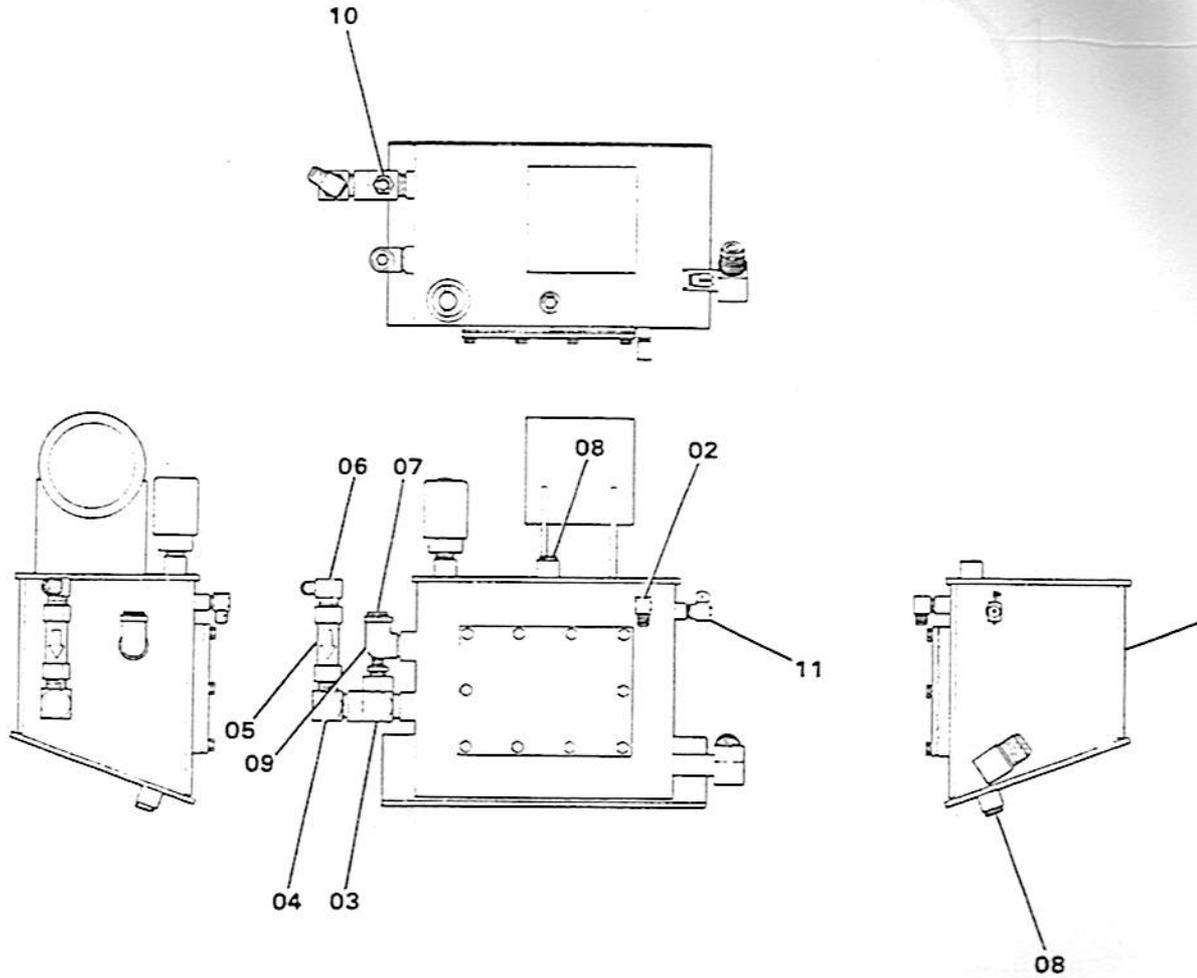


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2		
-	100J5349-1	SHUTOFF, LOWER LIMIT - MAIN WINCH - EUROPEAN				
-	100J5349-2	SHUTOFF, LOWER LIMIT - MAIN & AUX. WINCH - EUROPEAN				
01	16T7293D1	. BRACKET, Mtg	1	1		
02	16T7293D2	. BRACKET, Mtg	-	1		
03	16T6524	. BRACKET, Term. mtg	1	1		
04	100J5207-2	. VALVE INSTALLATION, Solenoid (Page 40.1)	1	1		
05	79P448	. RELAY	1	1		
06	79Z2090D2	. CONNECTOR, Strain relief	2	4		
07	6Z628	. LEVER, Roller	1	2		
08	79Z3131	. SWITCH, Limit	1	2		
09	79Z2652	. SWITCH, Limit	1	2		
10	18T14032	. WASHER	1	2		
11		. NUT, Hex jam 5/16 in.-24	1	2		
12		. SCREW, Rd. hd. mach. #10-32 x 3/8 in. lg	2	4		
13		. WASHER, Lock #10	10	14		
14		. WASHER, Flat #10	2	4		
15		. SCREW, Rd. hd. mach. #10-24 x 1-1/4 in. lg.	2	4		
16	79Z2303D20	. CABLE, Power - 16-3 (84 in.)	1	1		
17	79Z2303D20	. CABLE, Power - 16-3 (140 in.)	-	1		
18	79Z2303D19	. CABLE, Power - 16-2 (48 in.)	1	2		
19		. SCREW, Rd. hd. mach. #10-32UNF x 1/2 in. lg.	6	6		

NOTE

All individual wires, leads and jumpers should be fabricated locally.

## RESERVOIR ASSEMBLY – FLAMELESS HEATER



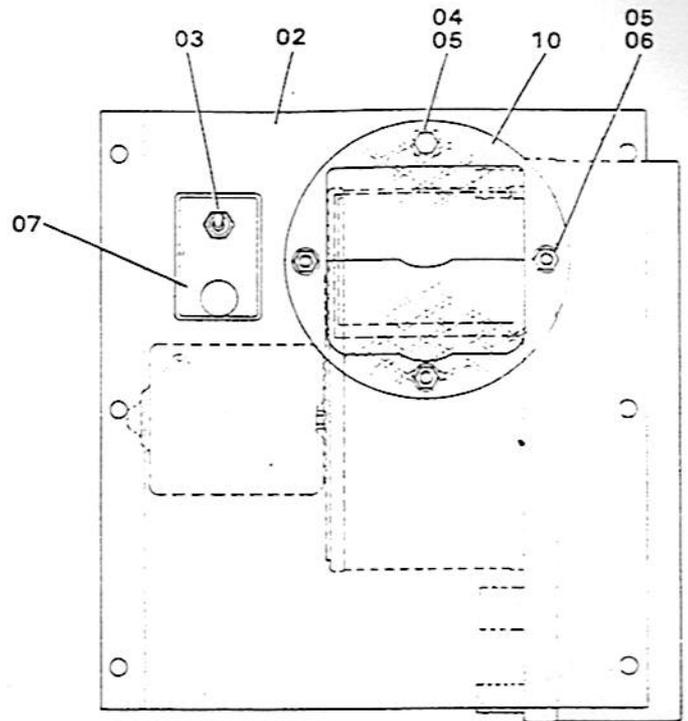
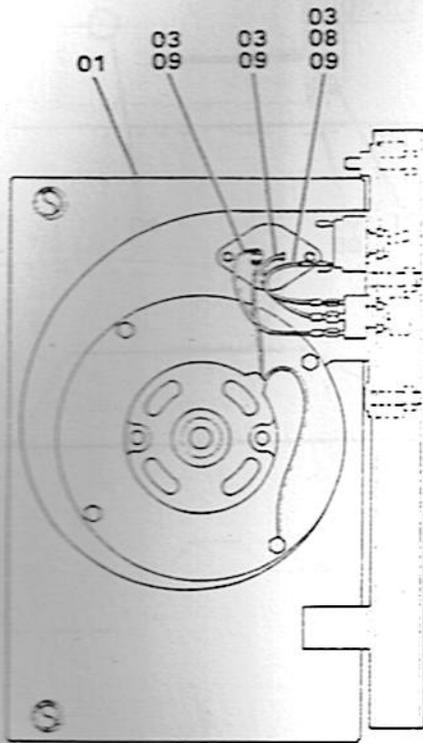
Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
-	927J278-1	RESERVOIR ASSY., FLAMELESS HEATER	1			
01	27J2077D1	. WELDMENT, Reservoir	1			
02	44Z591D7	. ELBOW, Male 90°	1			
03	44Z686D5	. TEE, Service 3/4 in.	1			
04	44Z1184D7	. ELBOW, 90°	1			
05	36Z1279D1	. VALVE, Check	1			
06	44Z591D13	. ELBOW, Male 90°	1			
07	44Z1040D5	. PLUG, Pipe 3/4 in.	1			
08	44Z1040D4	. PLUG, Pipe 1/2 in.	2			
09	44Z341D5	. ELBOW, Street 3/4 in.	1			
10	44Z490D14	. CONNECTOR, Male	1			
11	36Z8	. COCK, Drain	1			



MOTOR – FLAMELESS HEATER (Continued)

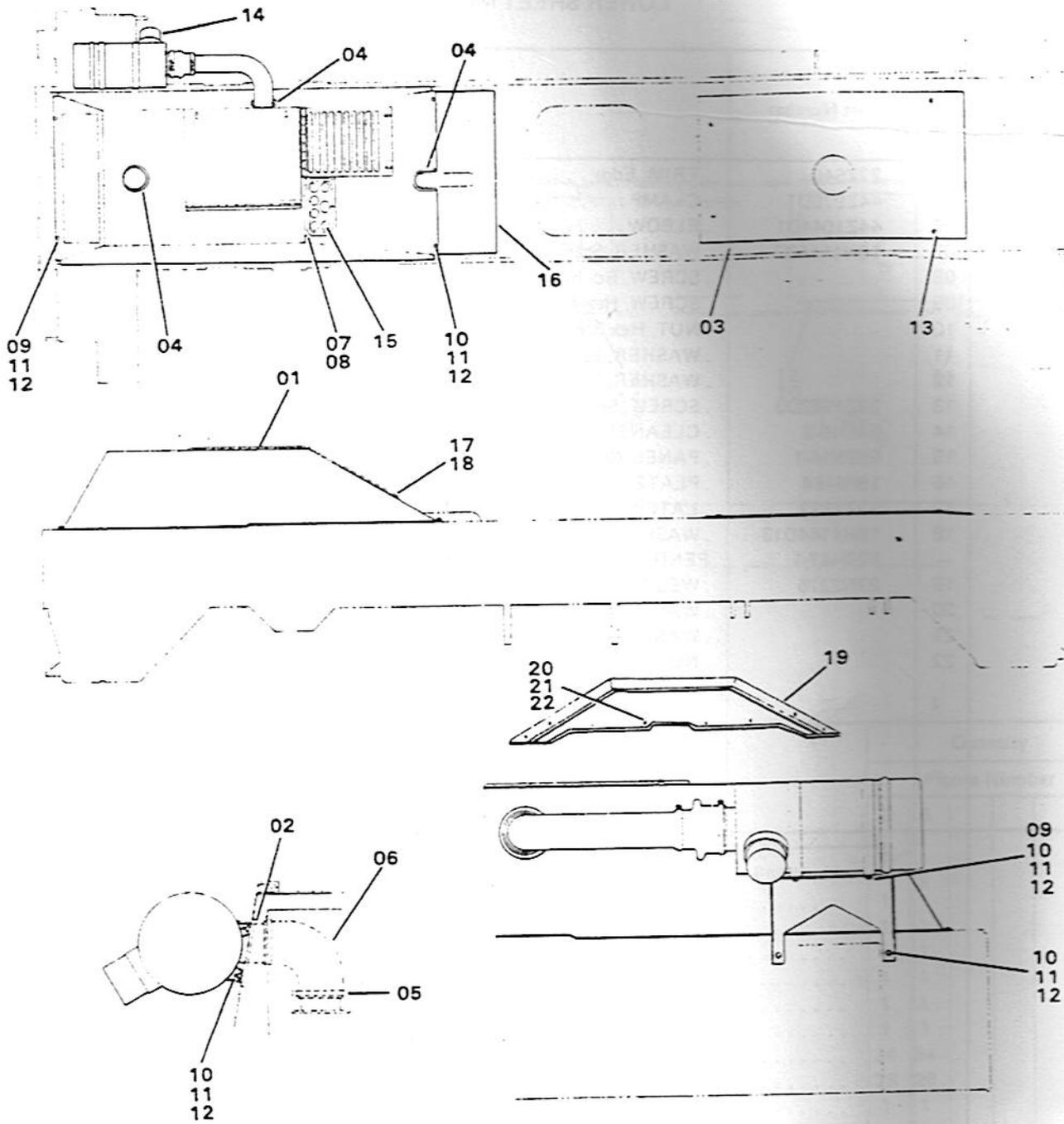
Ref.	OPTION Part Number	Description	Quantity		
			Figure Num		
			D 1		
13	1020Z6193	. KEY, Gerotor drive . . . . .	1		
14	1019Z1171	. DOWEL, Locating . . . . .	4		
15	1014Z1893	. HOUSING, Gerotor motor . . . . .	1		
16	1020Z6196	. SCREW, Hsg. . . . .	6		
17	1037Z285	. GEROTOR. . . . .	1		
18	1010Z1306	. SHAFT, Long . . . . .	1		
19	1014Z1894	. BODY, Motor . . . . .	1		
20	1020Z6191	. KEY, Short, square shaft drive . . . . .	1		
21	1018Z6163	. FLANGE, SAE 2 bolt mtg. . . . .	1		
22	1020Z6192	. PLUG, End. . . . .	1		
-	1045Z1844	. KIT, Seal (BUNA N) . . . . .	1		
-	1045Z1842	. . KIT, Shaft seal (BUNA N) . . . . .	1		
23		. . . SEAL, High press. shaft (BUNA) . . . . .	1		
24		. . . SEAL, Shaft dirt . . . . .	1		
-	1045Z1843	. . KIT, O-ring seal . . . . .	1		
25		. . . O-RING, End plug . . . . .	1		
26		. . . O-RING, Mtg. flange . . . . .	1		
27		. . . O-RING, Body & hsg. . . . .	2		

## HEATER SUB-ASSEMBLY – FLAMELESS



Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
-	980J4-1	HEATER SUB-ASSEMBLY, FLAMELESS	1			
01	80R16	. HEATER . . . . .	1			
-	1036Z1016	. VALVE, Tank. . . . .	1			
-	1020Z6325	. GASKET . . . . .	1			
-	1013Z440	. WHEEL, Blower . . . . .	1			
-	1088Z112	. MOTOR, 12 V.D.C. . . . .	1			
-	1076Z3	. CORE . . . . .	1			
02	16P5150	. BRACKET . . . . .	1			
03	79Z2400D1	. SWITCH, Toggle. . . . .	1			
04	0626V024	. SCREW, Hex hd. cap . . . . .	1			
05		. WASHER, Lock 5/16 in. . . . .	4			
06		. NUT, 5/16 in.-18UNC. . . . .	4			
07	32Z1830	. DECAL . . . . .	1			
08	79Z2809	. TERMINAL, Piggy back . . . . .	1			
09	79Z1129D4	. SPADE, Terminal . . . . .	5			
10	18T14886	. GUARD. . . . .	1			
-		. WIRE, 14 ga. x 6 in. lg. - not shown. . . . .	3			

# LOWER SHEET METAL ASSEMBLY

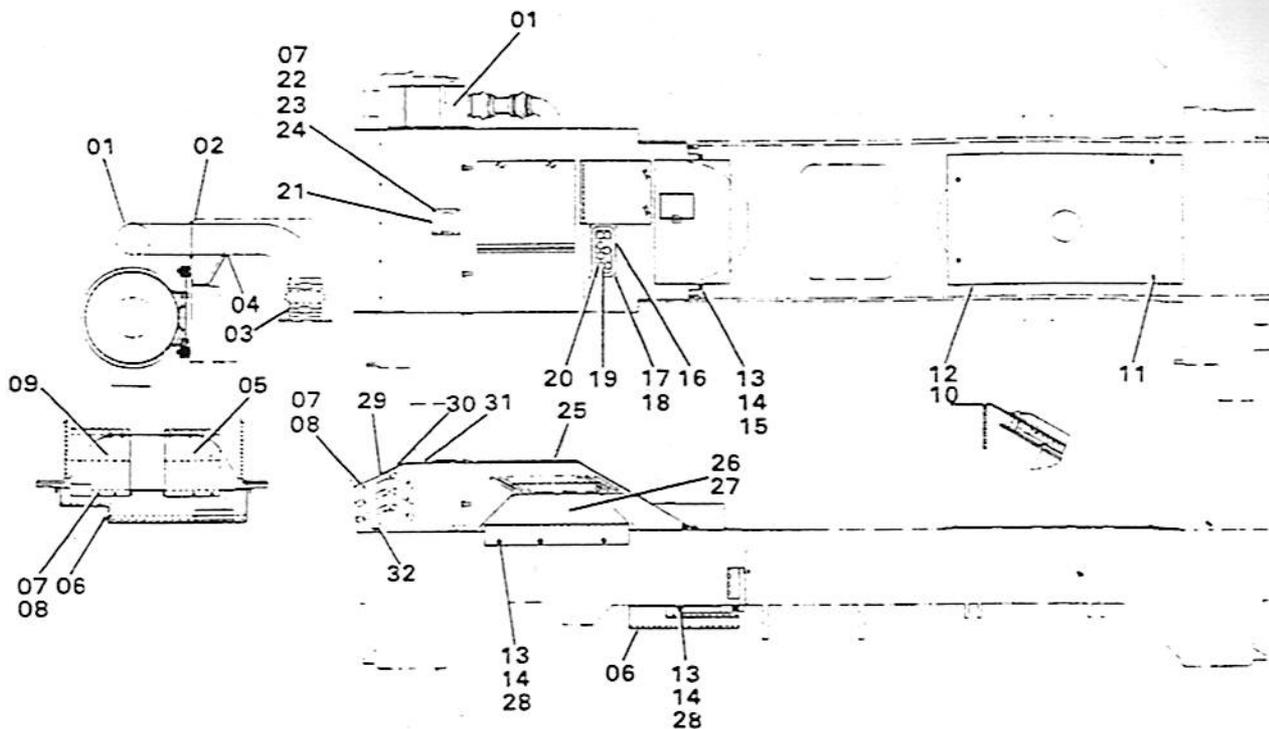


Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	2		
-	927J262-1	LOWER SHEET METAL ASSY. STD.	1			
-	927J262-2	LOWER SHEET METAL ASSY. ENPI	1			
01	27J2079	. WELDMENT, Sheet metal	1	1		
02	18T14773	. WELDMENT, Plate	1	1		
03	14N2398	. COVER	1	-		
03	14N2477	. COVER	1	1		

LOWER SHEET METAL ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantit	
			Figure Nur	
			1	2
04	27Z640	. TRIM, Edge . . . . .	AR	AR
05	44Z978D1	. CLAMP . . . . .	2	2
06	44Z1044D1	. ELBOW . . . . .	1	1
07	18H4144D7	. WASHER, Star 1/4 in. . . . .	4	4
08		. SCREW, Rd. hd. mach. 1/4 in. - 20NC x 1/2 in. . . . .	4	4
09		. SCREW, Hex hd. cap 3/8 in. - 16NC x 1/2 in. . . . .	2	2
10		. NUT, Hex 3/8 in. - 16NC . . . . .	7	7
11		. WASHER, Lock 3/8 in. . . . .	9	9
12		. WASHER, Flat 3/8 in. . . . .	9	9
13	20Z1282D3	. SCREW, Self tap 1/4 in. - 20 x 7/8 in. . . . .	4	4
14	946N6-2	. CLEANER ASSY., Air (Page 4-9.1). . . . .	1	1
15	989N14-1	. PANEL ASSY., Gauge (Page 2.2). . . . .	1	1
16	18P6464	. PLATE . . . . .	1	1
17	32Z1132	. LATCH . . . . .	3	3
18	18H4144D13	. WASHER, Star 5/8 in. . . . .	3	3
-	927N47-1	FENDER INSTALLATION. . . . .	1	1
19	27N3276	. WELDMENT, Fender . . . . .	4	4
20		. WASHER, Flat 7/16 in. . . . .	32	32
21		. WASHER, Lock 3/8 in. . . . .	32	32
22		. NUT, Hex 3/8 in. . . . .	32	32

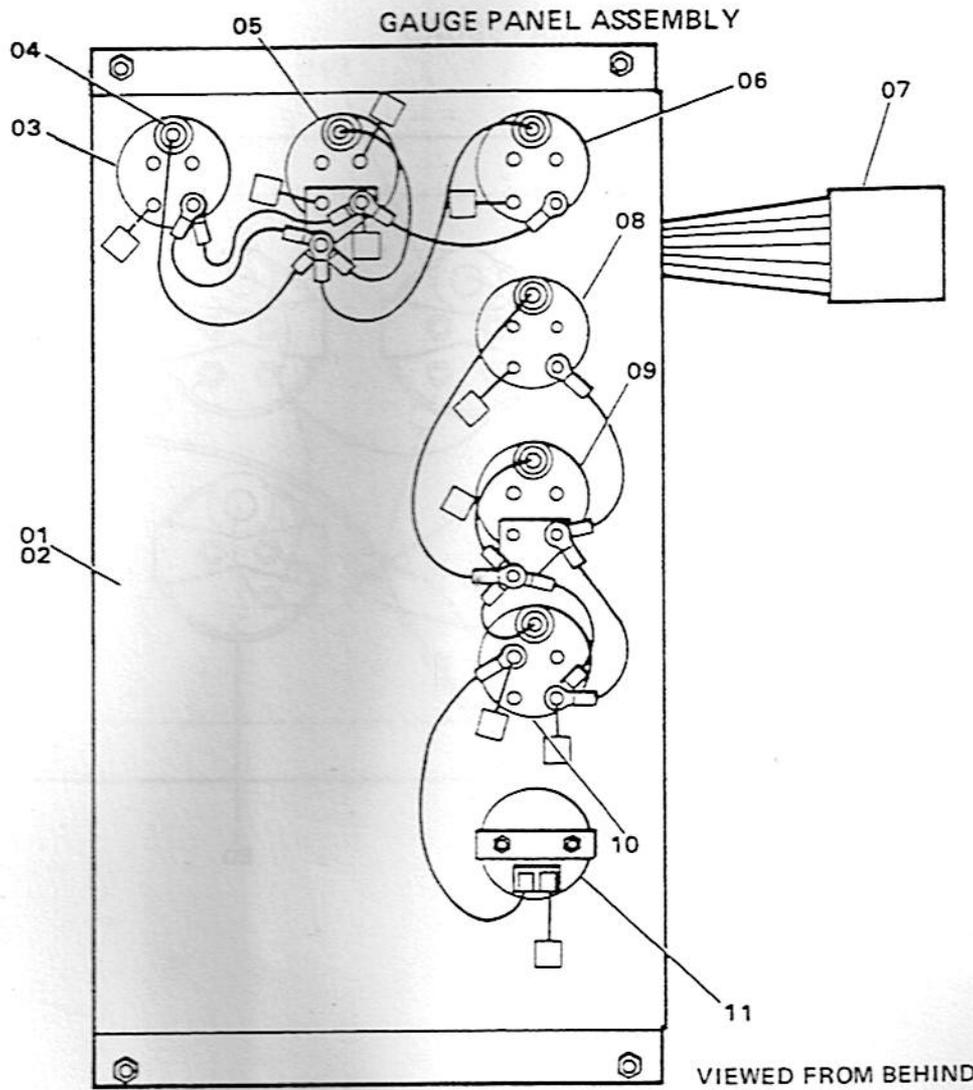
## LOWER SHEET METAL ASSEMBLY – NOISE SUPPRESSION



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			3	5		
—	927J264-3	SHEET METAL INSTALLATION – NOISE SUPPRESSION				
—	927J264-5	SHEET METAL INSTALL. – NOISE SUPPRESSION – ENPI				
01	946J9-1	. CLEANER, Air (Page 4-9.2)	1	1		
02	27Z640	. TRIM, Edge 12.75 in	1	1		
03	44Z978D1	. CLAMP	1	1		
04	27Z640	. TRIM, Edge – 4 in.	1	1		
05	27P3337	. COVER	1	1		
06	27J2025	. WELDMENT, Cover.	1	1		
07		. WASHER, Lock 5/16 in	34	34		
08		. SCREW, Hex hd. cap 5/16 in.—18 x 5/8 in. lg.	28	28		
09	27P3338	. COVER	1	1		
10	14N2477	. COVER	—	1		
11	20Z1282D3	. SCREW, Self tap 1/4 in.—20 x 7/8 in. lg.	4	4		
12	14N2398	. COVER	1	—		
13		. NUT, Hex 3/8 in.—16NC.	12	12		
14		. WASHER, Lock 3/8 in	12	12		
15		. WASHER, Flat 3/8 in.	2	2		
16	27Z385	. CHANNEL, Window	1	1		
17	18H4144D7	. WASHER, Star 1/4 in.	4	4		
18		. SCREW, Rd. hd. mach. 1/4 in.—20NC x 1/2 in	4	4		
19	989N14-1	. PANEL ASSEMBLY, Gauge (Page 3-2.2)	1	1		
20	27Z995	. GLASS, Tempered.	1	1		

LOWER SHEET METAL ASSEMBLY – NOISE SUPPRESSION (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			3	5		
21	14Z221	. COVER ASSEMBLY . . . . .	1	1		
22		. WASHER, Flat 5/16 in . . . . .	6	6		
23		. NUT, Hex 5/16 in . . . . .	6	6		
24		. SCREW, Hex hd. cap 5/16 in.—18 x 7/8 in. lg. . . . .	6	6		
25	27J2076	. HOOD, Engine . . . . .	1	1		
26	27N3365	. COVER, L.H . . . . .	1	1		
27	27N3366	. COVER, R.H . . . . .	1	1		
28		. WASHER, Flat 7/16 in . . . . .	10	10		
29	27P3331	. BAFFLE . . . . .	3	3		
30	20Z1976D1	. SCREW, Pan head . . . . .	5	5		
31	27J2022	. WELDMENT, Engine shroud . . . . .	1	1		
32	27P3425	. WELDMENT, Baffle. . . . .	1	1		

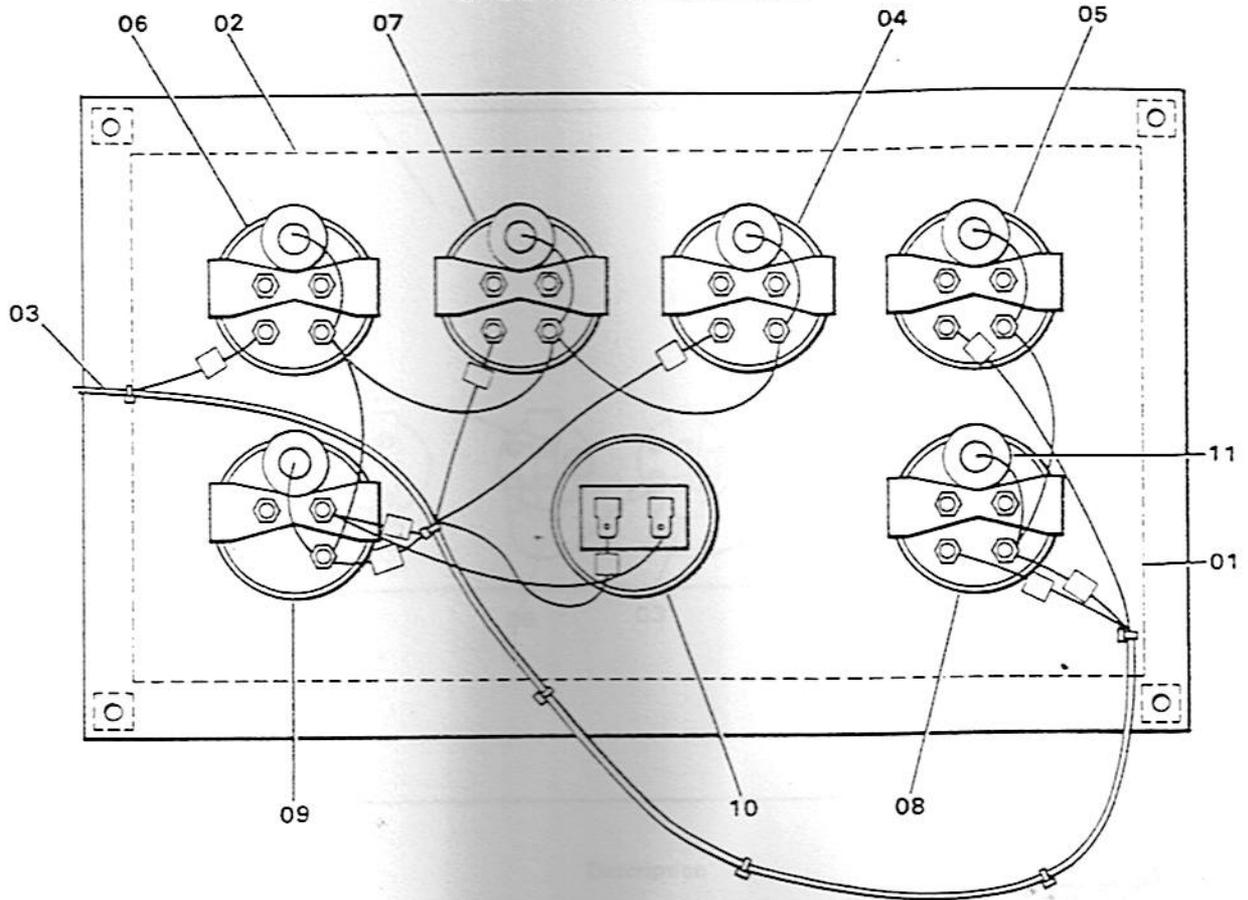


Ref.	Part Number	Description	Quantity			
			Figure Number			
			3			
-	989N11-3	GAUGE PANEL ASSEMBLY	1			
01	16P4880	. PANEL, Gauge	1			
02	32U1279	. DECAL, Gauge identification	1			
03	89U15D6	. GAUGE, Temp. (hyd.)	1			
04	56Z240D2	. LIGHT, Gauge	6			
-	56Z114D23	. BULB, Light	1			
05	89U15D3	. GAUGE, Engine oil pressure	1			
06	89U15D2	. GAUGE, Engine water temp.	1			
07	79Q510	. HARNESS, Gauge panel wiring	1			
08	89U15D6	. GAUGE, Temp.	1			
09	89U15D9	. GAUGE, Clutch oil pressure	1			
10	89U15D1	. GAUGE, Battery	1			
11	89Z532	. GAUGE, Hourmeter	1			

**NOTE**

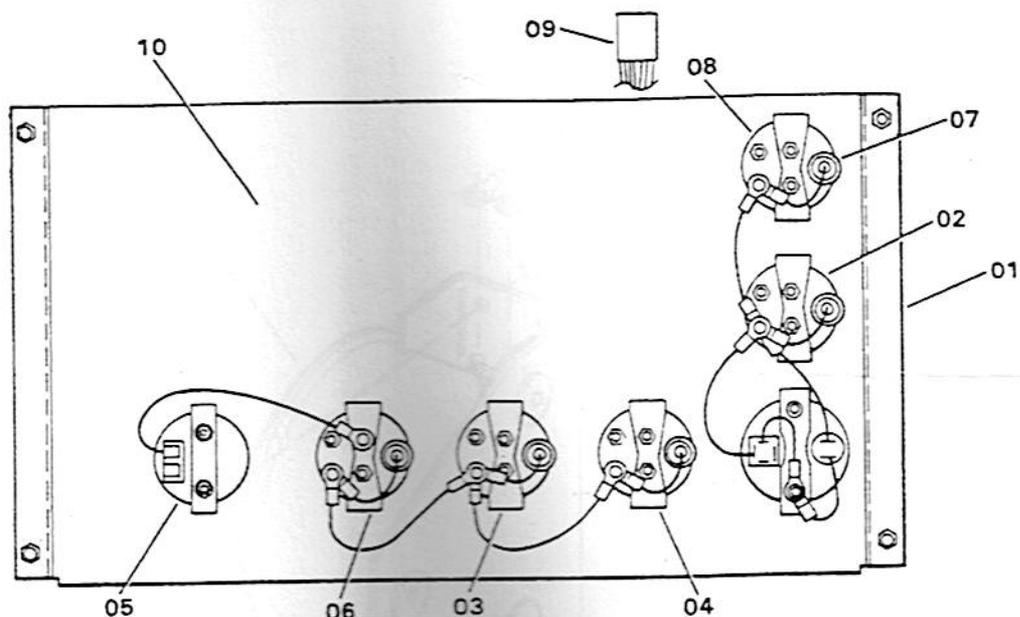
All individual wires, leads and jumpers should be fabricated locally.

### GAUGE PANEL ASSEMBLY



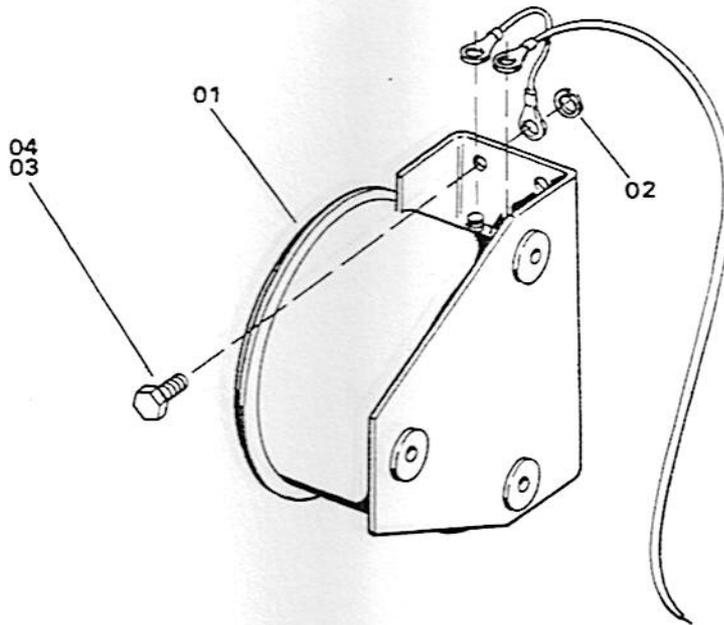
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
-	989N14-1	PANEL ASSEMBLY, GAUGE - NOISE SUPPRESSION	1			
01	16P5419	. PANEL, Gauge	1			
02	32U1594	. DECAL, Gauge panel	1			
03	79Q588	. HARNESS, Wire	1			
04	89U15D3	. GAUGE, Eng. oil press.	1			
05	89U15D2	. GAUGE, Eng. water temp.	1			
06	89U15D9	. GAUGE, Conv. oil press.	1			
07	89U15D6	. GAUGE, Conv. oil temp.	1			
08	89Q41	. GAUGE, Hyd. oil temp.	1			
09	89U15D1	. GAUGE, Battery	1			
10	89Z532	. HOURMETER	1			
11	56Z240D2	. KIT, Gauge light	6			
-	56Z114D23	.. BULB, Light	1			

## GAUGE PANEL ASSEMBLY



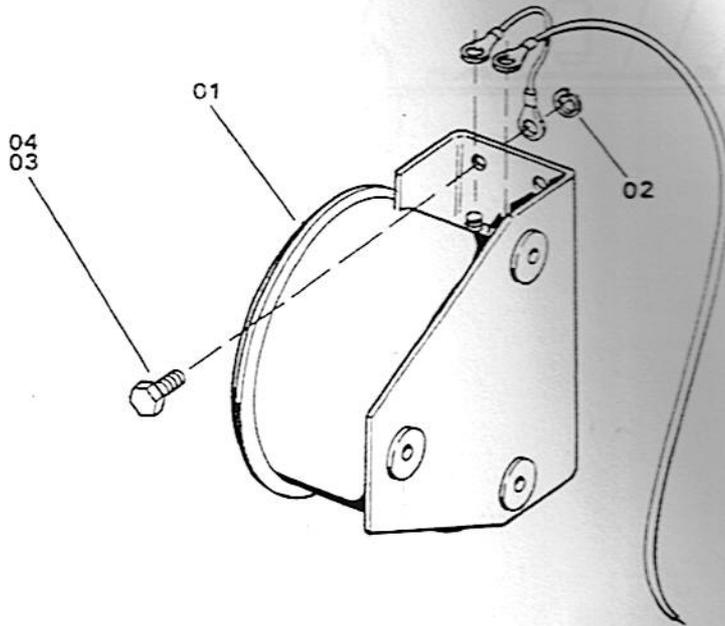
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
—	989N16-1	PANEL ASSEMBLY, GAUGE — DEUTZ	1			
01	16P5477	. PANEL, Gauge . . . . .	1			
02	89U15D3	. GAUGE, Eng. oil press . . . . .	1			
03	89U15D9	. GAUGE, Clutch oil press. . . . .	1			
04	89U15D6	. GAUGE, Oil temp. (trans & hyd.) . . . . .	1			
05	89Z532	. GAUGE, Hourmeter. . . . .	1			
06	89U15D1	. GAUGE, Battery . . . . .	1			
07	56Z240D2	. KIT, Gauge light . . . . .	5			
—	56Z114D23	. BULB, Light. . . . .	1			
08	89Q41	. GAUGE, Oil temp. (hyd.) . . . . .	1			
09	79Q596	. HARNESS, Gauges . . . . .	1			
10	32U1620	. DECAL, Lower gauge panel. . . . .	1			
NOTE						
All individual wires, leads and jumpers should be fabricated locally.						

## BACK-UP ALARM INSTALLATION



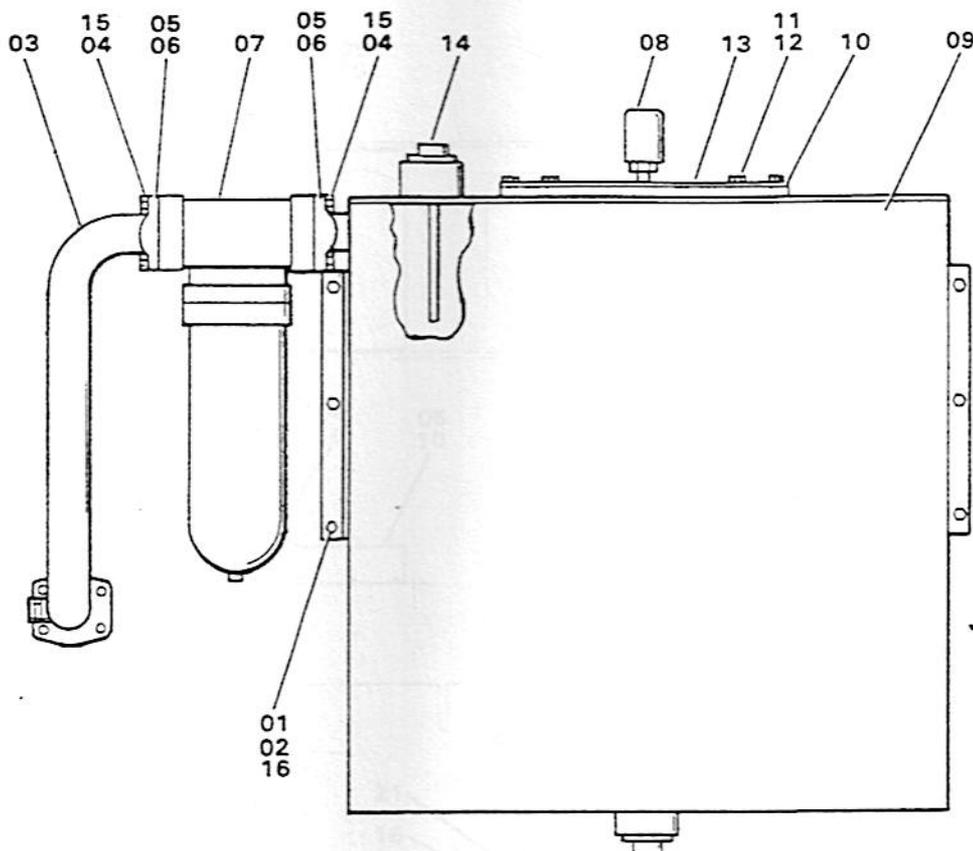
Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			19				
-	100N2614-9	BACK-UP ALARM INSTALLATION	1				
01	47Q3	. ALARM, Back-up	3				
02		. WASHER, Lock 1/4 in.	3				
03		. SCREW, Hex hd. cap 1/4-20UNC x 1-1/4 in.	3				
04		. NUT, Hex 1/4 inch	3				

# BACK-UP ALARM INSTALLATION



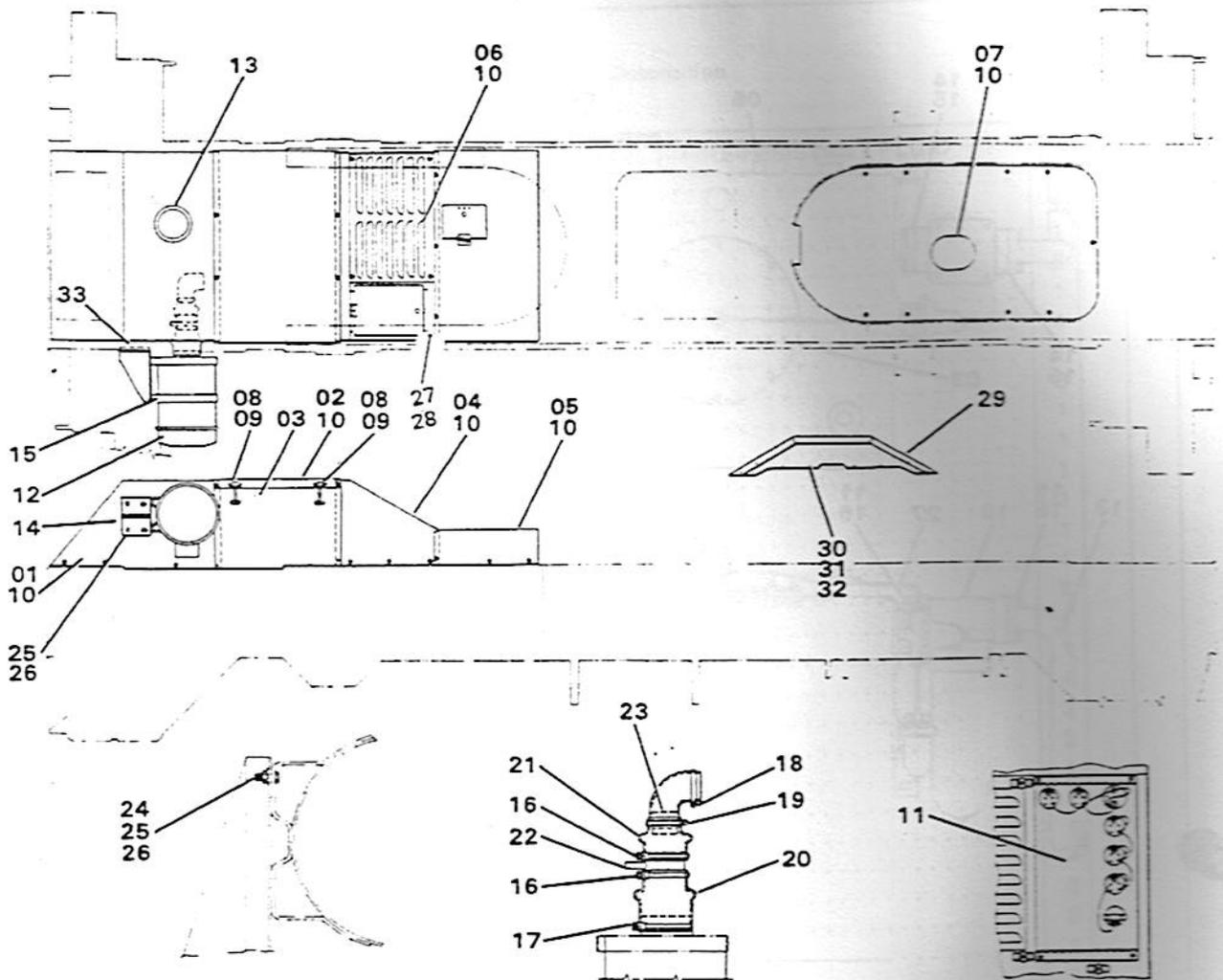
Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			19				
-	100N2614-9	BACK-UP ALARM INSTALLATION	1				
01	47Q3	. ALARM, Back-up .....	1				
02		. WASHER, Lock 1/4 in. ....	3				
03		. SCREW, Hex hd. cap 1/4-20UNC x 1-1/4 in. ....	3				
04		. NUT, Hex 1/4 inch .....	3				

## HYDRAULIC OIL TANK INSTALLATION



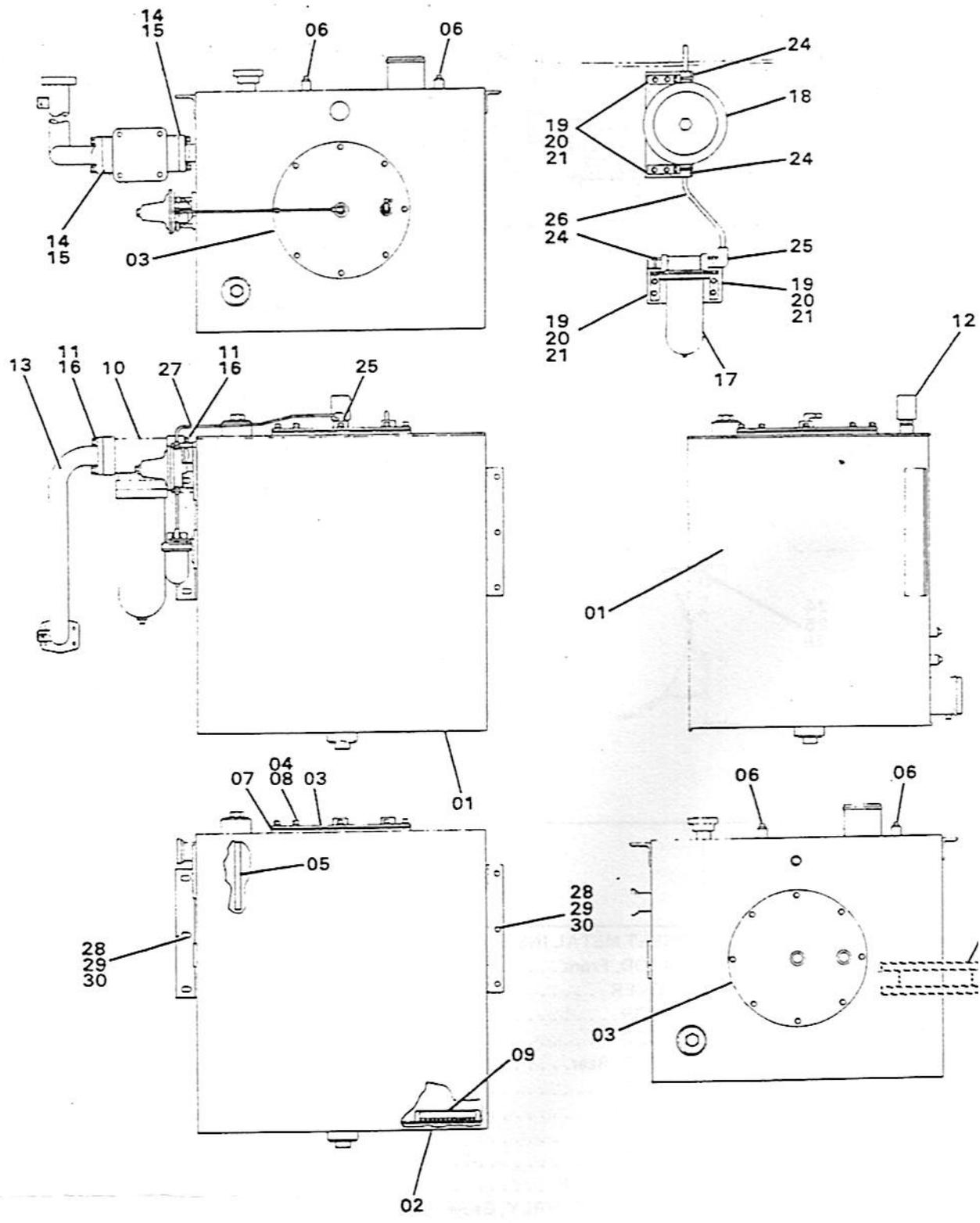
Ref.	Part Number	Description	Quantity			
			Figure Number			
			4			
-	100J5044-4	HYDRAULIC TANK INSTALLATION	1			
01	20Z646D72	.. SCREW, Hex hd. cap 1/2-13UNC x 7/8 in. Gr. 5	6			
02		.. WASHER, Lock 1/2 in.	6			
-	927J227-3	.. RESERVOIR ASSY., Hydraulic oil.	1			
03	44U74	.. TUBE ASSY., Return	1			
04	20Z646D76	.. SCREW, Hex hd. cap 1/2-13UNC x 1-1/2 in. Gr. 5	8			
05	44Q26D6	.. FLANGE, Split	4			
06	45Z91D84	.. O-RING, Flange.	2			
07	46Z372	.. FILTER, Return	1			
-	45Z459	.. ELEMENT, Filter.	1			
-	1018Z5583	.. SEAL, Housing	1			
-	1050Z140	.. COLORGAGE.	1			
-	1018Z5935	.. COUPLING, Twin sleeve	1			
08	36Z1255D1	.. VALVE, Air relief	1			
09	27J2008F1	.. RESERVOIR, Hydraulic oil.	1			
10	20T9346C1	.. GASKET, Cover plate	1			
11		.. SCREW, Hex hd. cap 3/8-16UNC x 3/4 in.	8			
12		.. WASHER, Lock 3/8 in.	8			
13	18T13200	.. PLATE, Tank cover	1			
14	44Q519	.. PLUG, Dipstick	1			
15		.. WASHER, Lock 1/2 in.	8			
16		.. WASHER, Flat 1/2 in.	6			

## LOWER SHEET METAL INSTALLATION



Ref.	OPTION	Description	Quantity			
	Part Number		Figure Number			
-	927J248-1	SHEET METAL INSTALLATION - DEUTZ	1			
01	27J2083	. HOOD, Front .....	1			
02	27N3369	. COVER .....	1			
03	27P3342	. DOOR .....	2			
04	27J2081	. HOOD .....	1			
05	27N3371	. HOOD, Rear .....	1			
06	27P3172	. COVER .....	1			
07	14N2383	. COVER .....	1			
08	6Z608	. LATCH .....	4			
09	20Z1449D5	. RIVET, Pop .....	16			
10	20Z1775D3	. SCREW, Lock .....	44			
11	989N16-1	. PANEL ASSEMBLY, Gauge (Page 3-2.3) .....	1			
12	46U34	. CLEANER, Air .....	1			
-	1046Z283	.. ELEMENT .....	1			

# TANK INSTALLATION - HYDRAULIC OIL



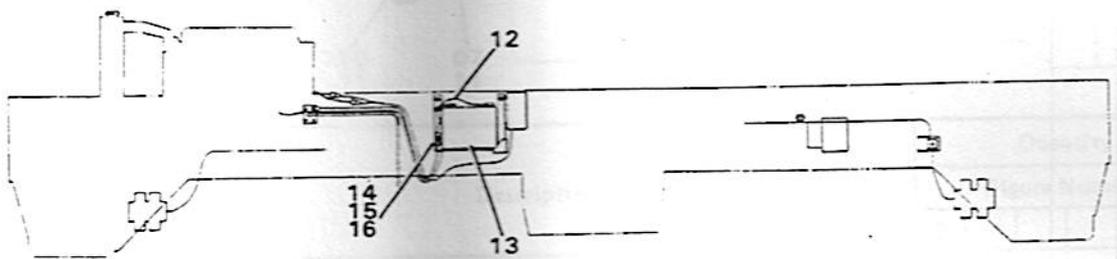
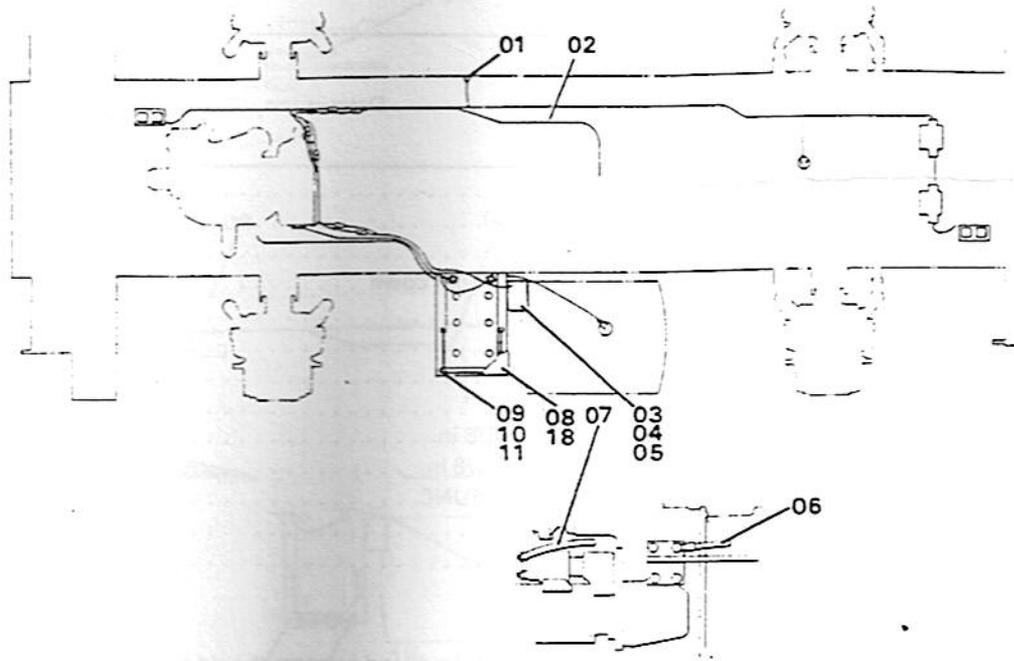
## TANK INSTALLATION – HYDRAULIC OIL (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			5			
—	100J5044-5	TANK INSTALL. – HYD. OIL – FIRE-RESISTANT FLUID	1			
01	927J279-1	RESERVOIR ASSY., Hyd.	1			
02	27J2089F1	WELDMENT, Reservoir	1			
03	18T14758	PLATE, Tank cover	1			
04		WASHER, Lock 3/8"	8			
05	44Q528D1	DIPSTICK, Oil.	1			
06	2423V004	PLUG, 1/2" sq. hd. pipe	4			
07	20T9348C1	GASKET	1			
08		NUT, Hex 3/8"–16	8			
09	75Z573	MAGNET	1			
10	46Z399	FILTER, Return	1			
—	46Z380	ELEMENT, Filter.	1			
—	1018Z5935	SLEEVE	1			
—	1050Z140	GAGE, Color.	1			
—	1018Z5583	SEAL, Housing	1			
11		SCREW, Hex hd. cap 1/2" x 1-1/2"–Grade 5	8			
12	36Z1326D1	VALVE, Air relief	1			
13	44U74	TUBE ASSY.	4			
14	44Q26D6	FLANGE, Split 2.00"	2			
15	45Z91D84	O-RING	8			
16		WASHER, Lock 1/2"	1			
17	46Z401	FILTER, Air.	1			
—	1046Z374	ELEMENT, Filter.	1			
18	36Z1327	REGULATOR, Air.	4			
19	16Z614D1	CLAMP	8			
20		WASHER, Lock 1/4"	8			
21		SCREW, Hex hd. cap 1/4"–20UNC.	1			
22	44Z341D2	ELBOW, 90° 1/4NPT.	1			
23	36Z8	COCK	3			
24	44Z1813D8	CONNECTOR, Male.	2			
25	44Z1723D7	ELBOW, Male 90°	1			
26	See Note	TUBING, Nylon 1/4"O.D. x 7	1			
27	See Note	TUBING, Nylon 1/4"O.D. x 26	1			
28		SCREW, Hex hd. cap 1/2" x 7/8" – Grade 5	6			
29		WASHER, Lock 1/2"	6			
30		WASHER, Flat 1/2"	6			

**NOTE**

When ordering nylon tubing, you must order P&H Spec. 4451.  
State O.D. and length required.

## LOWER ELECTRICAL ASSEMBLY

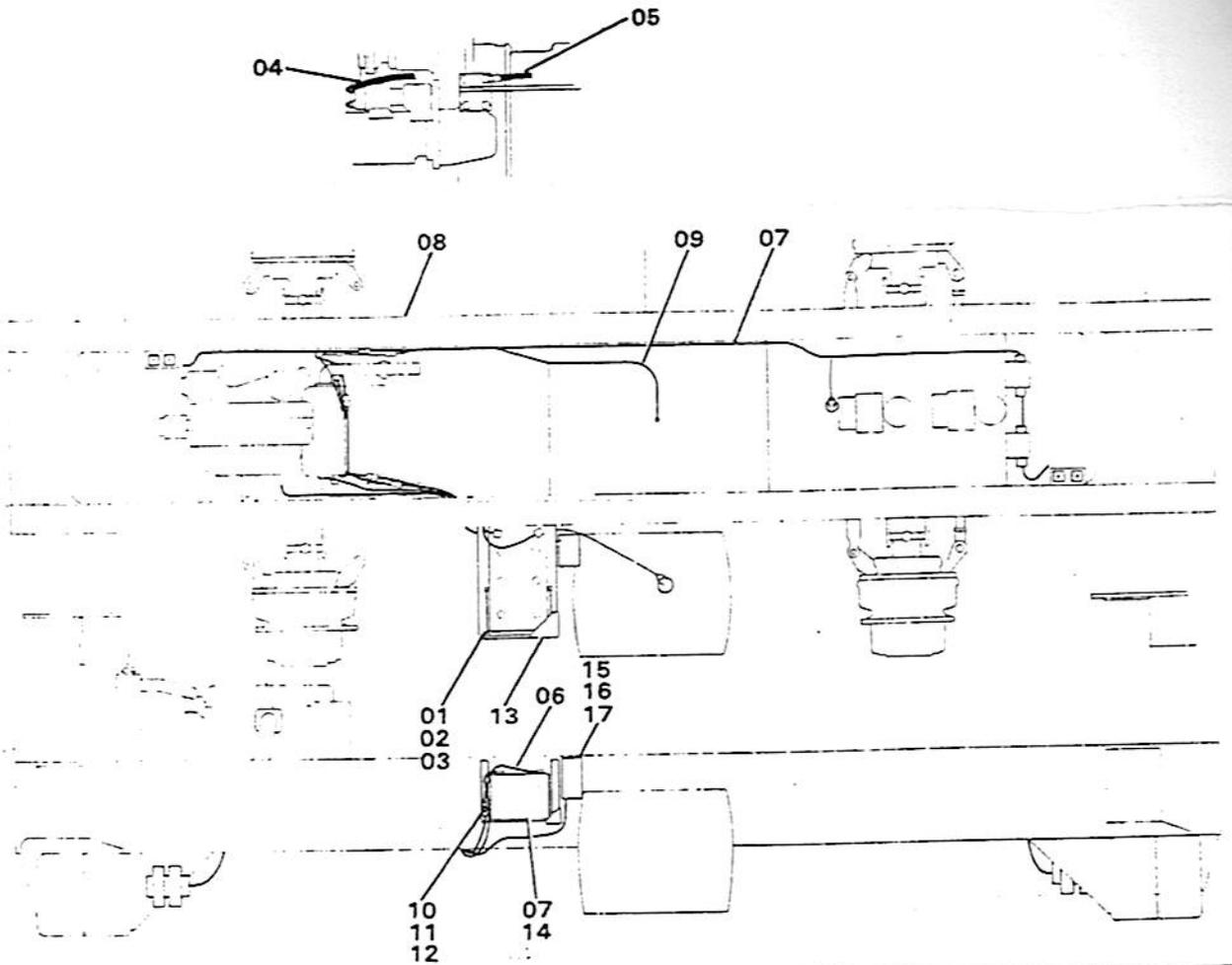


Ref.	Part Number	Description	Quantity			
			Figure Number			
			6			
-	979J60-6	ELECTRICAL ASSEMBLY, LOWER	1			
01	89Z557D1	. SENDER, Hydraulic oil temp. ....	1			
02	79R46	. HARNESS, Main wiring ....	1			
03	979J90-1	. CONTROL BOX, Machine (Gp. 4 Page 7.1) ....	1			
04		. NUT, Hex 1/4-20UNC. ....	4			
05		. WASHER, Lock 1/4 in. ....	4			

LOWER ELECTRICAL ASSEMBLY (Continued)

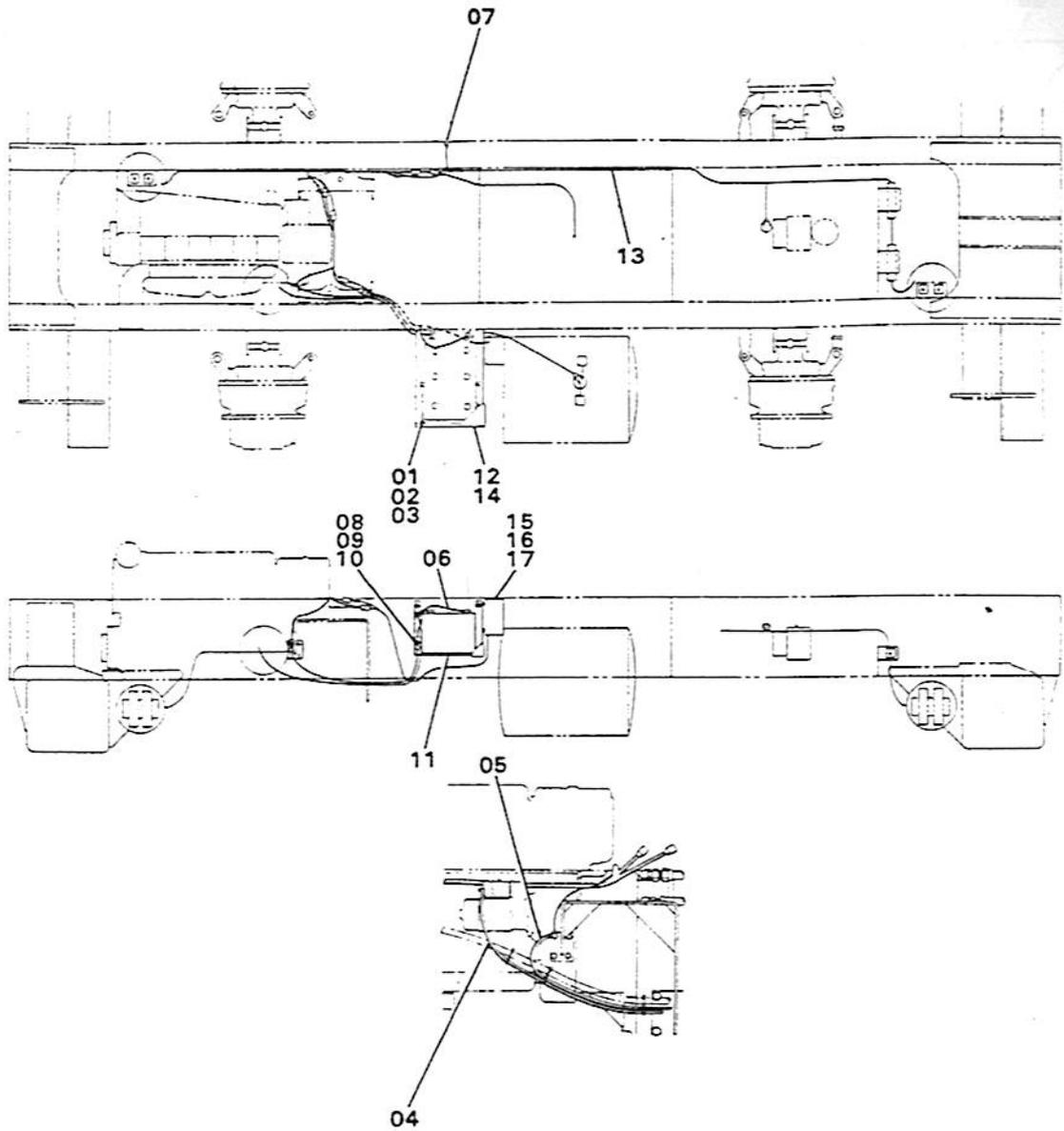
Ref.	Part Number	Description	Quantity	
			6	Figure N
06	79Q341D15	. CABLE, Battery . . . . .	1	
07	79Q340D6	. CABLE, Battery . . . . .	1	
08	14P2853	. COVER, Battery . . . . .	1	
09	32T643	. ANGLE, Battery hold down . . . . .	2	
10	20T7625D3	. HOOK, Jay. . . . .	2	
11	20H1686D2	. NUT, Wing . . . . .	2	
12	79Q340D14	. CABLE, Battery . . . . .	2	
13	18T14155	. SPACER, Battery . . . . .	1	
14		. WASHER, Flat 3/8 in. . . . .	1	
15		. WASHER, Lock 3/8 in. . . . .	1	
16		. NUT, Hex 3/8-16UNC. . . . .	1	
17	32Z890D3	. TYRAPS . . . . .	AR	
18	19Z286D1	. PIN, Clip . . . . .	1	
NOTE				
All individual wires, leads and jumpers should be fabricated locally.				

## LOWER ELECTRICAL INSTALLATION



Ref.	Part Number	Description	Quantity				
			Figure Number				
			3				
-	979J75-3	. ELECTRICAL INSTALL., LOWER	1				
01	32T643	. ANGLE, Battery hold down	2				
02	20T7625D3	. HOOK, Jay.	4				
03	20H1686D2	. NUT, Wing.	4				
04	79Q340D6	. CABLE, Battery	1				
05	79Q341D15	. CABLE, Battery	1				
06	79Q340D14	. CABLE, Battery	1				
07	18T14155	. SPACER, Battery	1				
08	89Z557D1	. SENDER, Hyd. oil temp.	1				
09	79R50	. HARNESS, Lower main	1				
10		. WASHER, Flat 3/8"	2				
11		. WASHER, Lock 3/8"	1				
12		. NUT, Hex 3/8"-16UNC.	1				
13	14P2853	. COVER, Battery	1				
14	19Z286D1	. PIN, Clip	1				
15	979J90-1	. BOX, Machine control (Page 4-7.1)	1				
16		. NUT, Hex 1/4-20	4				
17		. WASHER, Lock 1/4	4				
NOTE							
All individual wires, leads and jumpers should be fabricated locally.							

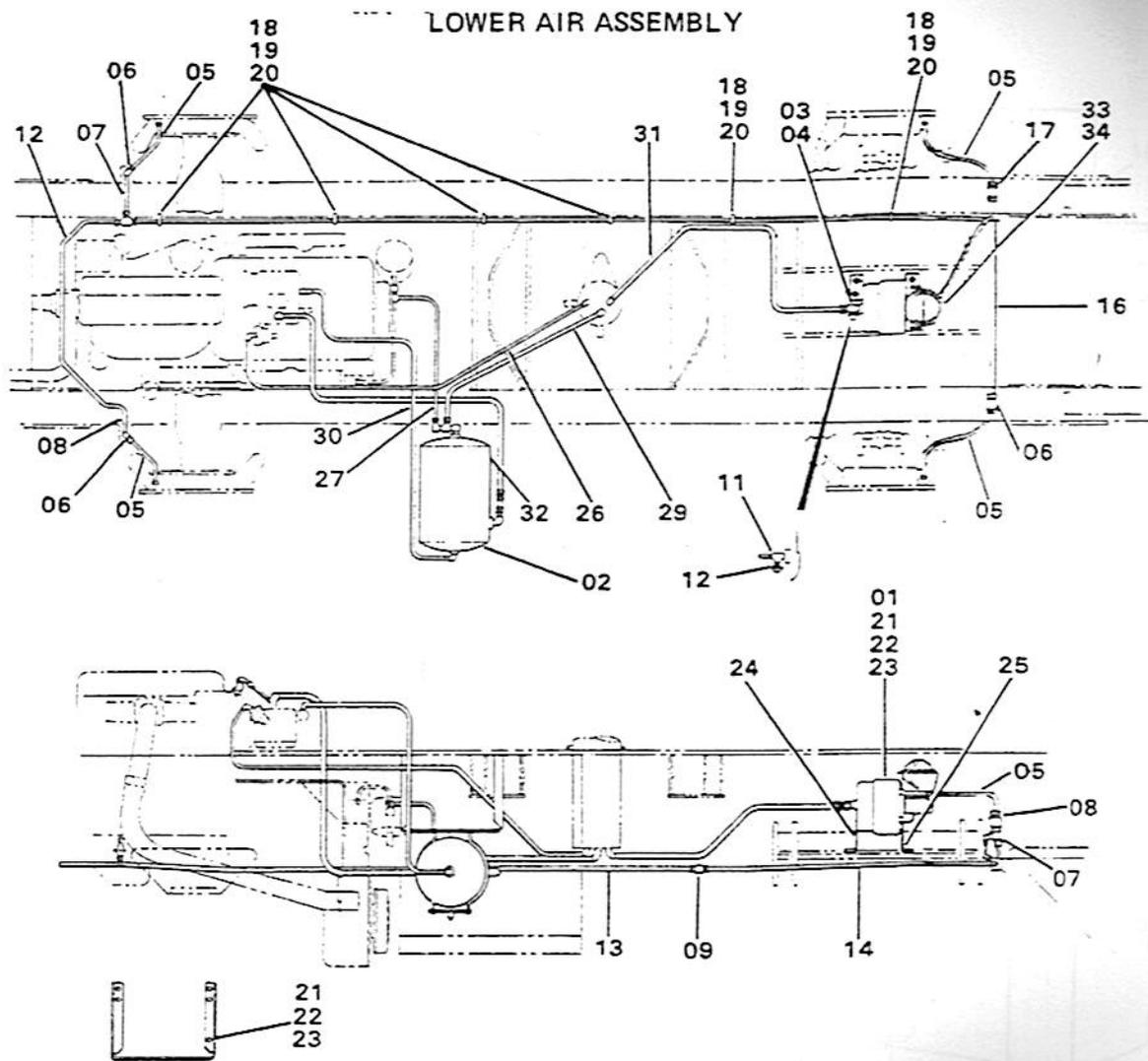
# ELECTRICAL ASSEMBLY—LOWER



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			2	3		
—	979J89-2	ELECTRICAL ASSY., — LOWER—DEUTZ	1	1		
—	979J89-3	ELECTRICAL ASSY., — LOWER—DEUTZ	1	1		
01	32T643	. ANGLE, Holddown . . . . .	1	1		
02	20T7625D3	. HOOK, Jay. . . . .	2	2		
03	20H1686D2	. NUT, Wing. . . . .	2	2		
04	79Q340D21	. CABLE, Battery . . . . .	1	1		
05	79Q341D19	. CABLE, Battery — pos. . . . .	1	1		
06	79Q340D22	. CABLE, Battery — neg. . . . .	1	1		
07	89Z557D1	. SENDER, Hyd. oil temp. . . . .	1	1		

ELECTRICAL ASSEMBLY – LOWER (Continued)

Ref.	OPTION Part Number	Description	Quantity	
			Figure No.	
			2	3
08		. WASHER, Flat 3/8 in. . . . .	1	1
09		. WASHER, Lock 3/8 in.. . . . .	1	1
10		. NUT, Hex 3/8 in.—16UNC . . . . .	1	1
11	18T14155	. SPACER, Battery . . . . .	1	1
12	19Z286D2	. PIN, Clip . . . . .	1	1
13	79R46	. HARNESS, Wire . . . . .	1	1
14	14P2853	. COVER, Battery . . . . .	1	1
15	979J90-1	. BOX, Mach. control (Page 4-7.1) . . . . .	1	1
16		. NUT, Hex 1/4 in.—20 . . . . .	4	4
17		. WASHER, Lock 1/4 in.. . . . .	4	4

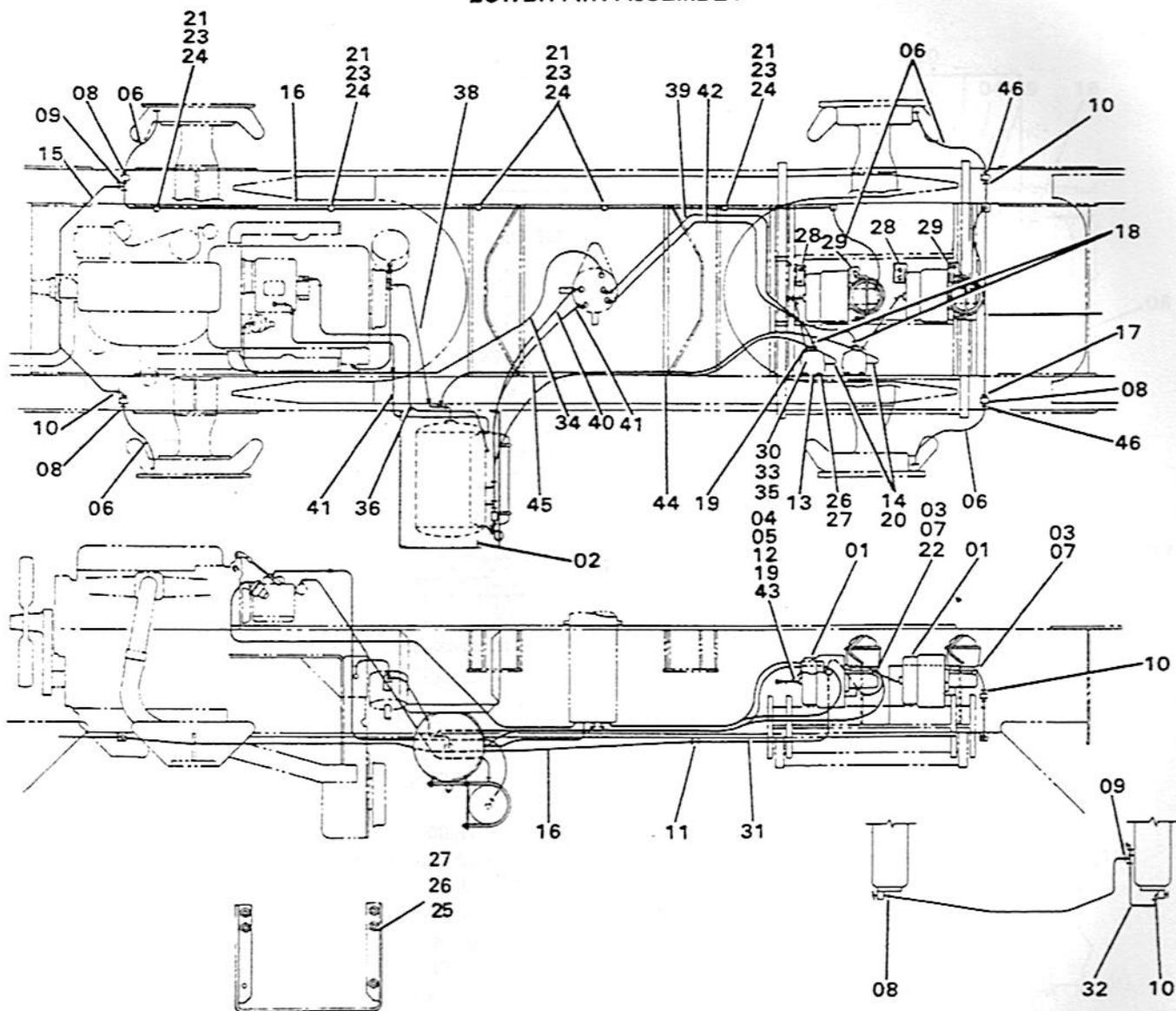


Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	2		
-	944J84-1	AIR ASSY., LOWER				
-	944J84-2	AIR ASSY., LOWER-FIRE RESISTANT FLUID				
01	36U180	. CONVERTER, Air-hyd. press. (Page 8.1)	1			1
02	938N36-1	. RESERVOIR ASSY., Air (Page 7.1)	1			-
02	938N36-2	. RESERVOIR ASSY., Air (Page 7.1) - fire res. fluid.		1		
03	44Z686D4	. TEE, Service 1/2 PT.	1			1
04	79Z640	. SWITCH, Stop light	1			1
05	44Z721	. HOSE, Brake cyl.	5			5
06	44Z198D3	. CONNECTOR, 1/8 PT x 1/4 T.	3			3
07	44Z228D2	. TEE, Male run 1/8 PT x 1/4 T x 1/4 T.	3			3
08	44Z221D3	. ELBOW, 90° male 1/8 PT x 1/4 T.	2			2
09	44Z1852D3	. UNION, 1/4 T.	1			1
10	44Z210D5	. BUSHING, Red.	1			1
11	44Z1586D13	. CONNECTOR.	1			1
12	44Z1815	. TUBE, Hyd. brake	1			1
13	44P2017	. TUBE, Hyd. brake	1			1
14	44P2018	. TUBE, Hyd. brake	1			1

LOWER AIR ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity	
			Figure Number	
			1	2
15	44P2019	. TUBE, Hyd. brake . . . . .	1	1
16	44T537	. TUBE, Hyd. brake . . . . .	1	1
17	44Z249D4	. ELBOW, 45° male 1/8 PT x 1/4 T. . . . .	2	2
18	32Z423D14	. CLAMP, 1/4 . . . . .	6	6
19		. WASHER, Lock 1/4 in. . . . .	6	6
20		. NUT, Hex 1/4 in.—20UNC . . . . .	6	6
21		. WASHER, Flat 3/8 in. . . . .	9	9
22		. WASHER, Lock 3/8 in. . . . .	9	9
23		. NUT, Hex 3/8 in.—16UNC . . . . .	9	9
24	16T7586	. BRACKET . . . . .	1	1
25	16T7587	. BRACKET . . . . .	1	1
26	SEE NOTE	. TUBING, Nylon 1/4 O.D. x 78.00 . . . . .	1	1
27	SEE NOTE	. TUBING, Nylon 1/4 O.D. x 78.00 . . . . .	1	1
28	SEE NOTE	. TUBING, Nylon 3/8 O.D. x 36.00 . . . . .	1	1
29	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 42.00 . . . . .	1	1
30	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 30.00 . . . . .	1	1
31	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 50.00 . . . . .	1	1
32	SEE NOTE	. TUBING, Nylon 1/4 O.D. x 96.00 . . . . .	—	1
33	20Z547D22	. SCREW, Hex hd. cap 5/16 in. —24UNF x 3/4 in. . . . .	2	2
34		. WASHER, Lock 5/16 in. . . . .	2	2
NOTE				
When ordering nylon tubing, you MUST order P&H Spec. 4451. State O.D. and length required.				

### LOWER AIR ASSEMBLY



Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
-	944J83-1	AIR ASSY., LOWER	1			
01	36U180	. CONVERTER, Air-hyd. press. (Page 8.1)	2			
02	938J112-2	. RESERVOIR ASSY., Air (Page 7.2)	1			
03	36Z1284D2	. VALVE, Check	2			
04	44Z686D4	. TEE, Service 1/2 NPT.	1			
05	79Z640	. SWITCH, Stop light	1			
06	44Z721	. HOSE, Brake cyl. 25.00 lg.	6			
07	44Z1943D1	. ADAPTER	2			
08	44Z198D3	. CONNECTOR, 1/8 NPT x 1/4 T.	4			
09	44Z228D2	. TEE, Male run 1/8 x 1/4 x 1/4	2			
10	44Z221D3	. ELBOW, 90° male 1/8 x 1/4	4			
11	44Z1852D3	. UNION, 1/4 NPT.	1			
12	44Z210D5	. BUSHING, Red.	1			

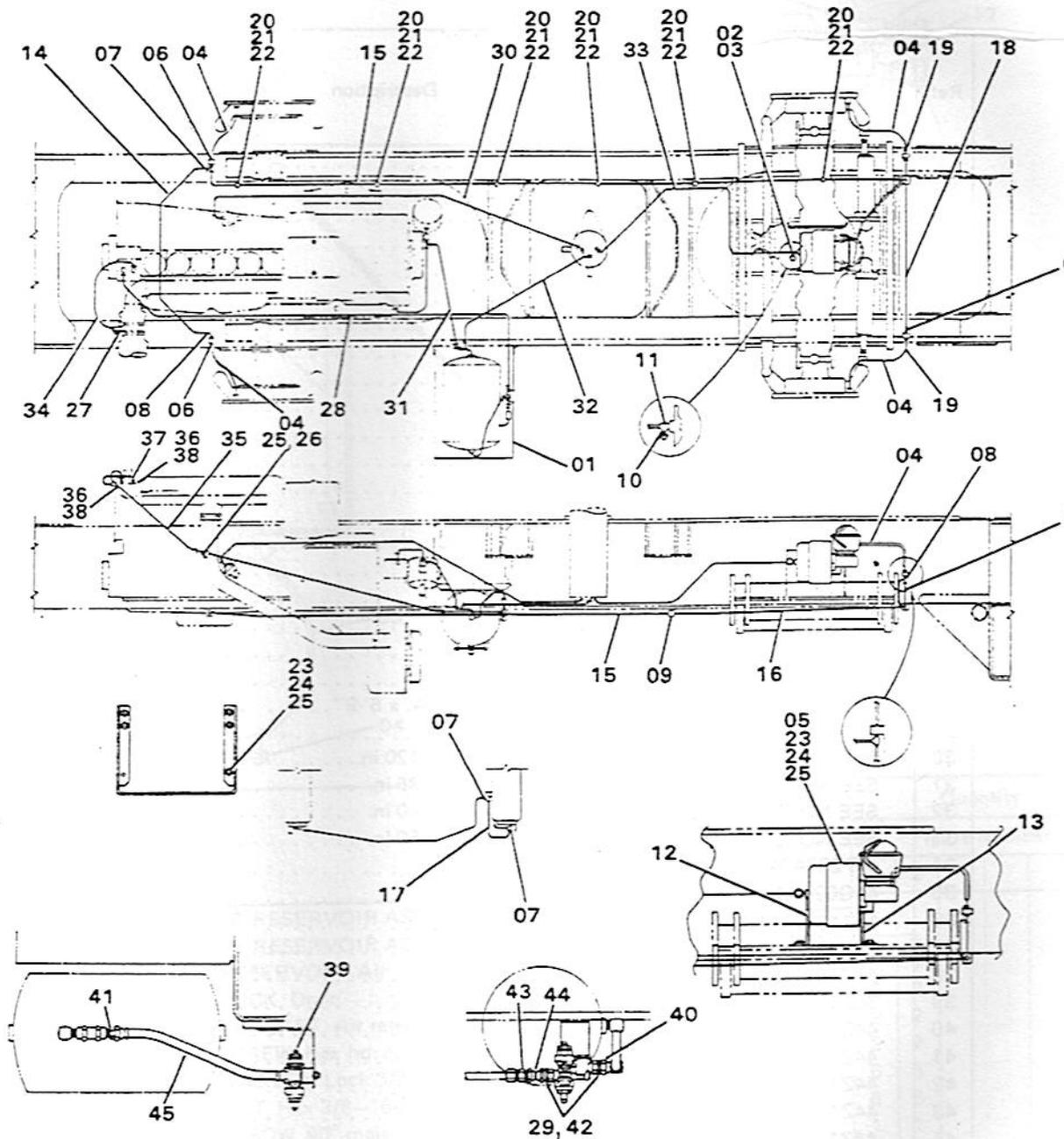
----- LOWER AIR ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity		
			Figure Num		
			1		
13	36U94D1	. VALVE, Relay R-8 . . . . .	2		
14	44Z1833D9	. ELBOW, 45° male 5/8 O.D. x 1/2 NPT . . . . .	2		
15	44P1815	. TUBE, Hyd. brake . . . . .	1		
16	44P2017	. TUBE, Hyd. brake . . . . .	1		
17	44T537	. TUBE, Hyd. brake . . . . .	1		
18	44Z1833D2	. ELBOW, 45° male . . . . .	2		
19	44Z1586D13	. CONNECTOR, Male. . . . .	3		
20	44Z210D9	. BUSHING, Pipe 3/4 x 1/2. . . . .	2		
21	32Z423D14	. CLAMP, 1/4. . . . .	5		
22	44Z1943D2	. EXPANDER, Inverted flare. . . . .	2		
23		. WASHER, Lock 1/4. . . . .	5		
24		. NUT, Hex 1/4-20. . . . .	5		
25		. WASHER, Flat 3/8 . . . . .	13		
26		. WASHER, Lock 3/8. . . . .	17		
27		. NUT, Hex 3/8"-16UNC. . . . .	17		
28	16T7586	. BRACKET. . . . .	2		
29	16T7587	. BRACKET. . . . .	2		
30	44Z226D5	. PLUG, Brass. . . . .	2		
31	44P2034	. TUBE ASSY. . . . .	1		
32	44P2019	. TUBE ASSY. . . . .	1		
33	44Z226D4	. PLUG, Brass. . . . .	2		
34	SEE NOTE	. TUBING, Nylon 1/4 O.D. x 86.00 . . . . .	1		
35	44Z226D2	. PLUG, Brass. . . . .	2		
36	SEE NOTE	. TUBING, Nylon 1/4 O.D. x 78.00 . . . . .	1		
37	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 10.00 - not shown . . . . .	1		
38	SEE NOTE	. TUBING, Nylon 3/8 O.D. x 36.00 . . . . .	1		
39	SEE NOTE	. TUBING, Nylon 3/8 O.D. x 70.00 . . . . .	1		
40	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 60.00 . . . . .	1		
41	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 50.00 . . . . .	2		
42	SEE NOTE	. TUBING, Nylon 3/8 O.D. x 80.00 . . . . .	1		
43	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 8.00 . . . . .	1		
44	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 70.00 . . . . .	1		
45	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 85.00 . . . . .	1		
46	44Z249D4	. ELBOW, 45° male 1/8 PT x 1/4 T. . . . .	2		

NOTE

When ordering nylon tubing, you MUST order P&H Spec. 4451.  
State O.D. & length required.

## LOWER AIR ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	944J72-2	AIR ASSY., LOWER -DEUTZ	2			
01	938N35-2	. RESERVOIR ASSY., Air (Page 7.3)	1			
02	44Z686D4	. TEE, Service 1/2 in. PT.	1			
03	79Z640	. SWITCH, Stop light	1			
04	44Z721	. HOSE, Brake cyl. 25.00	5			
05	36U180	. CONVERTOR, Air/hyd. press (Page 8.1)	1			
06	44Z198D3	. CONNECTOR 1/8 PT x 1/4 T	3			
07	44Z228D2	. TEE, Male run.	3			

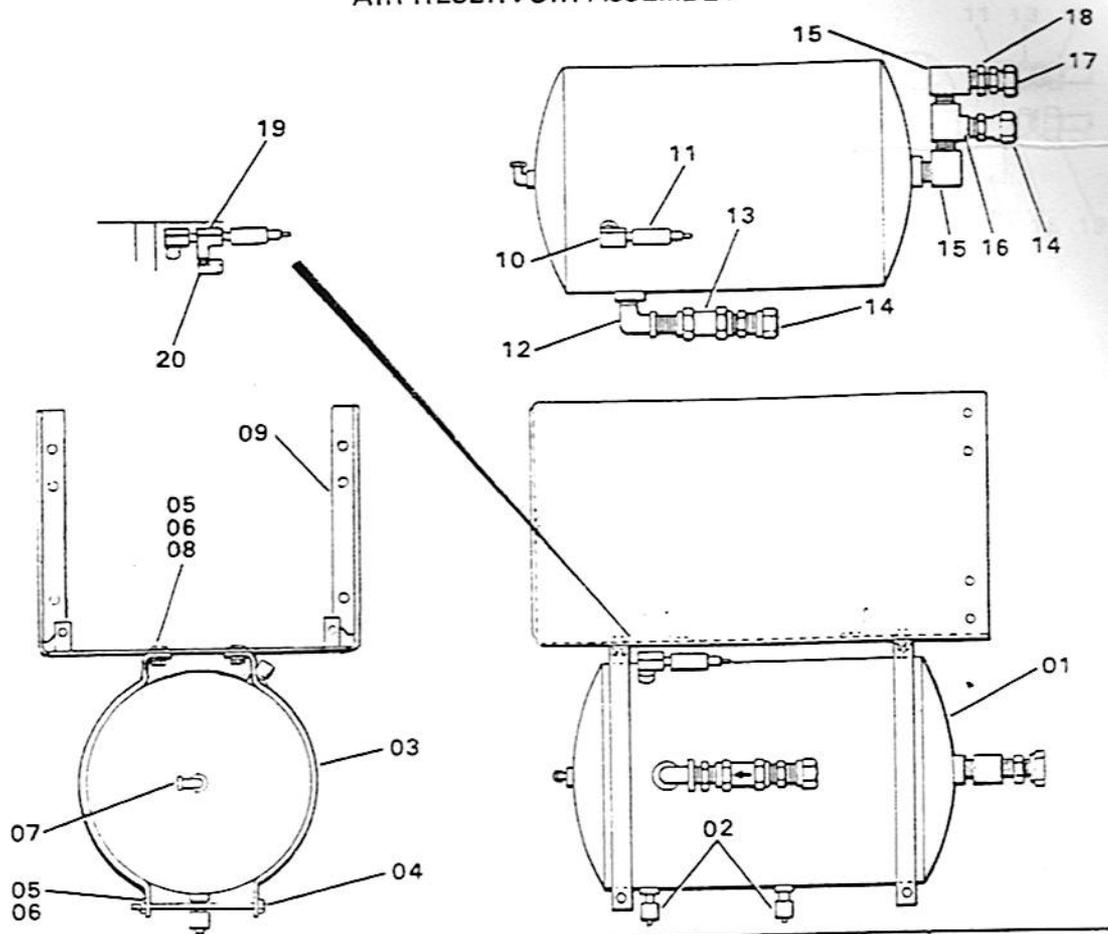
LOWER AIR ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			2			
08	44Z221D3	. ELBOW, 90° male . . . . .	2			
09	44Z1852D3	. UNION 1/4 T . . . . .	1			
10	44Z210D5	. BUSHING, Reducer . . . . .	1			
11	44Z1586D13	. CONNECTOR. . . . .	1			
12	16T7586	. BRACKET . . . . .	1			
13	16T7587	. BRACKET . . . . .	1			
14	44P1815	. TUBE, Hyd. brake . . . . .	1			
15	44P2017	. TUBE, Hyd. brake . . . . .	1			
16	44P2018	. TUBE, Hyd. brake . . . . .	1			
17	44P2019	. TUBE, Hyd. brake . . . . .	1			
18	44T537	. TUBE, Hyd. brake . . . . .	1			
19	44Z249D4	. ELBOW, 45° male . . . . .	2			
20	32Z423D14	. CLAMP . . . . .	6			
21		. WASHER, Lock 1/4 in. . . . .	6			
22		. NUT, Hex 1/4 in.—20UNC . . . . .	6			
23		. WASHER, Flat 3/8 in. . . . .	9			
24		. WASHER, Lock 3/8 in. . . . .	9			
25		. NUT, Hex 3/8 in.—16UNC . . . . .	10			
26	32Z643D13	. CLAMP . . . . .	2			
27	44Z12D1	. CLAMP . . . . .	1			
28	SEE NOTE	. TUBING, .75 O.D. x .049 WA. x 5'-9" . . . . .	1			
29	18Z1672D12	. WASHER . . . . .	2			
30	SEE NOTE	. TUBING, Nylon 1/4 O.D. x 120 in. . . . .	1			
31	SEE NOTE	. TUBING, Nylon 3/8 O.D. x 36 in. . . . .	1			
32	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 40 in. . . . .	1			
33	SEE NOTE	. TUBING, Nylon 5/8 O.D. x 50 in. . . . .	1			
34	44P2374D1	. HOSE ASSY. . . . .	1			
35	44Q624D1	. HOSE ASSY. . . . .	1			
36	18Z1672D13	. WASHER . . . . .	2			
37	44Z473D8	. ELBOW, 90° . . . . .	1			
38	44Z1942D7	. ADAPTOR, Metric to JIC . . . . .	2			
39	36Z1332	. VALVE, Press. reg. . . . .	1			
40	44Z473D7	. ELBOW, Swivel 90° . . . . .	1			
41	44Z590D32	. REDUCER. . . . .	1			
42	44Z1942D6	. ADAPTER, Metric to JIC . . . . .	2			
43	44Z187D20	. CONNECTOR, Compression . . . . .	1			
44	44Z1376D6	. ADAPTER, JIC to pipe. . . . .	1			
45	44P432D11	. HOSE ASSY. . . . .	1			
46	44Z1942D6	. ADAPTER, Metric to JIC . . . . .	2			

NOTE

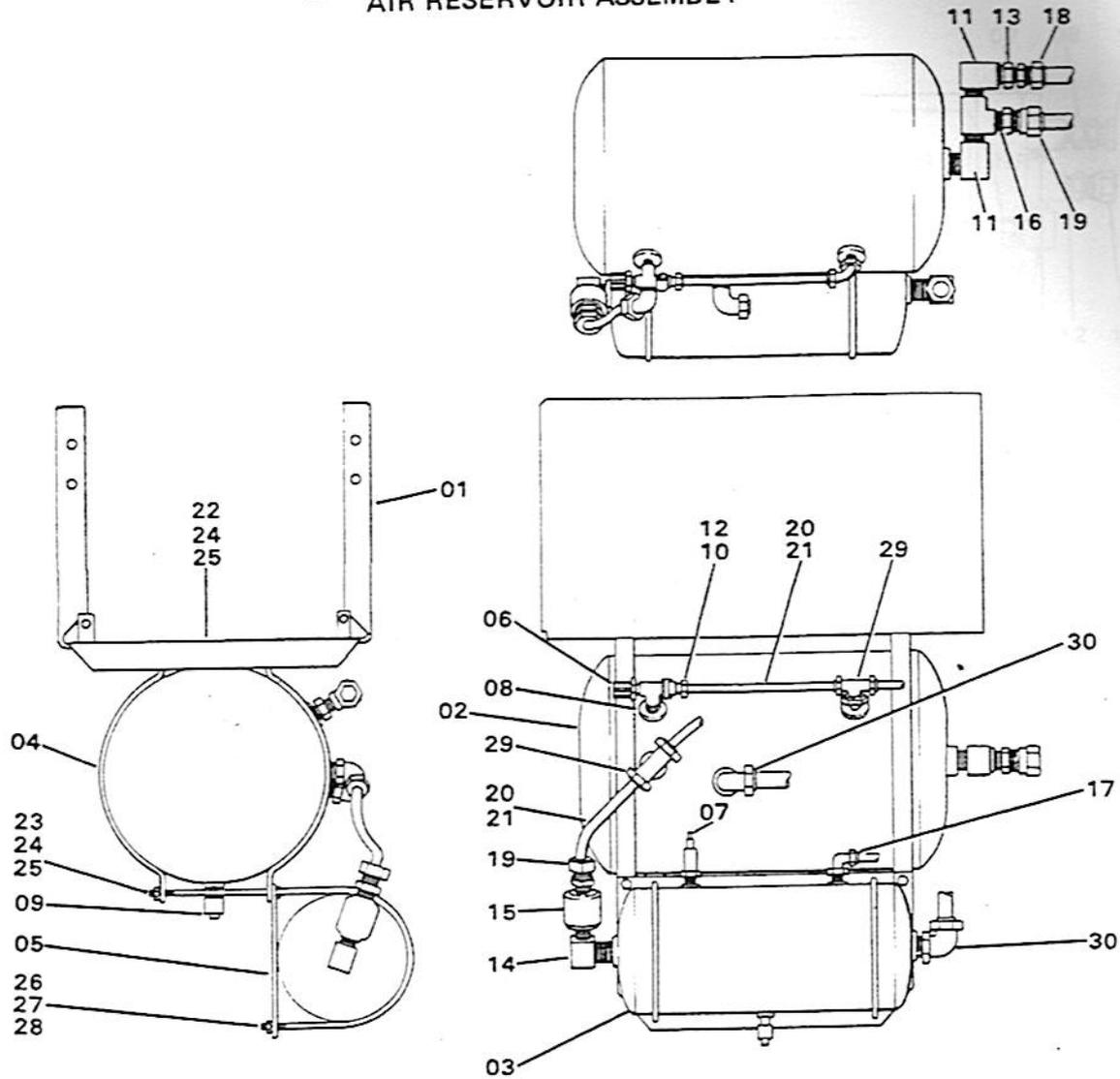
When ordering nylon tubing you MUST order P&H Spec. 4451. State O.D. and length required.

# AIR RESERVOIR ASSEMBLY



Ref.	Part Number	Description	Quantity	
			Figure Number	
			1	2
-	938N36-1	AIR RESERVOIR ASSEMBLY		
-	938N36-2	AIR RESERVOIR ASSEMBLY - FIRE RESISTANT FLUID		
01	27Z891	. RESERVOIR, Air	1	1
02	36Z8	. COCK, Drain	2	2
03	16T7017	. BRACKET, Air reservoir	2	2
04		. SCREW, Hex hd. cap 3/8-16UNC x 7 in.	2	2
05		. WASHER, Lock 3/8 in.	6	6
06		. NUT, Hex 3/8-16UNC.	6	6
07	44Z1587D2	. ELBOW, 90° male	1	1
08		. SCREW, Hex hd. cap 3/8-16UNC x 1 in.	4	4
09	16P5431	. SUPPORT, Battery	1	1
10	44Z206D3	. ELBOW, 90° street	1	1
11	36Z1153D1	. VALVE, Safety	1	1
12	44Z1184D8	. ELBOW, 90° male	1	1
13	44Z816	. VALVE, Check	1	1
14	44Z1586D15	. CONNECTOR, Male	2	2
15	44Z206D9	. ELBOW, 90° street	2	2
16	44Z686D5	. TEE, Service	1	1
17	44Z1586D7	. CONNECTOR, Male	1	1
18	44Z210D8	. BUSHING, Pipe	1	1
19	44Z686D2	. TEE, Service	-	1
20	44Z1723D7	. CONNECTOR, 90°	-	1

# AIR RESERVOIR ASSEMBLY

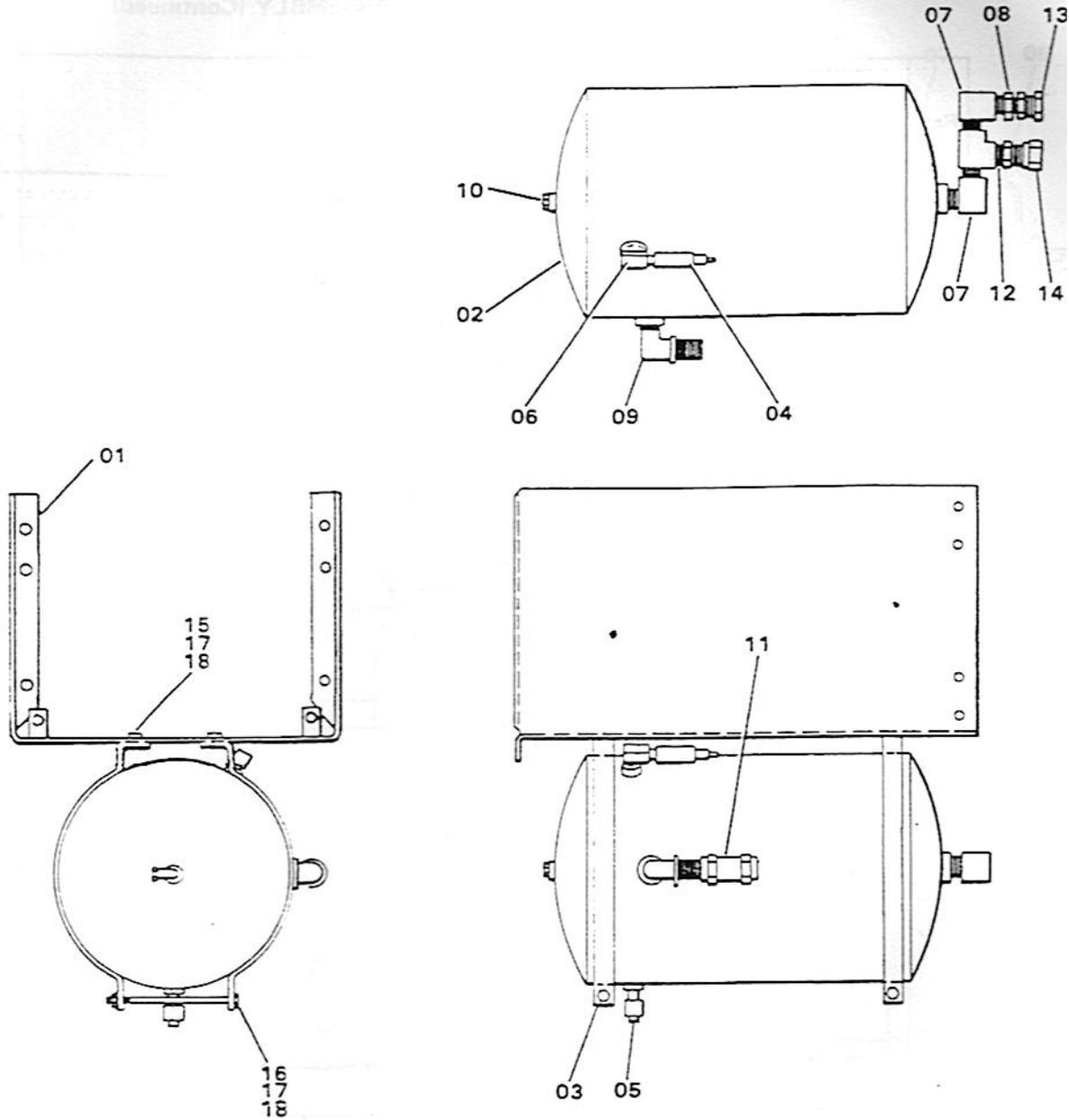


Ref.	Part Number	Description	Quantity	
			Figure Number	
			2	
-	938J112-2	RESERVOIR ASSY., AIR	1	
01	16P4531	. SUPPORT WELD	1	
02	27Z972	. RESERVOIR, Air	1	
03	27Z973	. RESERVOIR, Air	1	
04	16T7017	. BRACKET, Air reservoir	2	
05	18T13979	. PLATE, Mtg.	1	
06	36Z1144D2	. PROTECTOR, Press.	1	
07	36Z1153D1	. VALVE, Safety	1	
08	44Z943D4	. NIPPLE, 1/4-1/2	1	
09	36Z8	. COCK, Drain	3	
10	44Z1586D14	. CONNECTOR, Male	2	
11	44Z206D9	. ELBOW, 90° st.	2	
12	44Z229D4	. ADAPTER, Pipe	1	
13	44Z210D8	. BUSHING, Pipe	1	
14	44Z1184D8	. ELBOW, 90° male	1	

AIR RESERVOIR ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			2			
15	44Z816	. VALVE, Check . . . . .	1			
16	44Z1631D8	. TEE, Male branch . . . . .	2			
17	44Z1587D2	. CONNECTOR, 90° elbow . . . . .	1			
18	44Z1586D7	. CONNECTOR, Male. . . . .	1			
19	44Z1586D15	. CONNECTOR, Male. . . . .	2			
20	36-938J112	. TUBING, Nylon 5/8 O.D. x 8.0" lg. . . . .	2			
21	39-938J112	. LOOM, 11/16 I.D. x 8.0" . . . . .	2			
22		. SCREW, Hex hd. cap 3/8 in. -16 x 1 in. lg. . . . .	4			
23		. SCREW, Hex hd. cap 3/8"-16 x 7" lg. . . . .	2			
24		. NUT, Hex 3/8"-16 . . . . .	6			
25		. WASHER, Lock 3/8" . . . . .	6			
26	20Z1879	. U-BOLT. . . . .	2			
27		. NUT, Hex 5/16"-18 . . . . .	4			
28		. WASHER, Lock 5/16" . . . . .	4			
29	44Z1631D8	. TEE, Male branch . . . . .	2			
30	44Z1587D17	. CONNECTOR, Elbow 90° . . . . .	2			

# AIR RESERVOIR ASSEMBLY

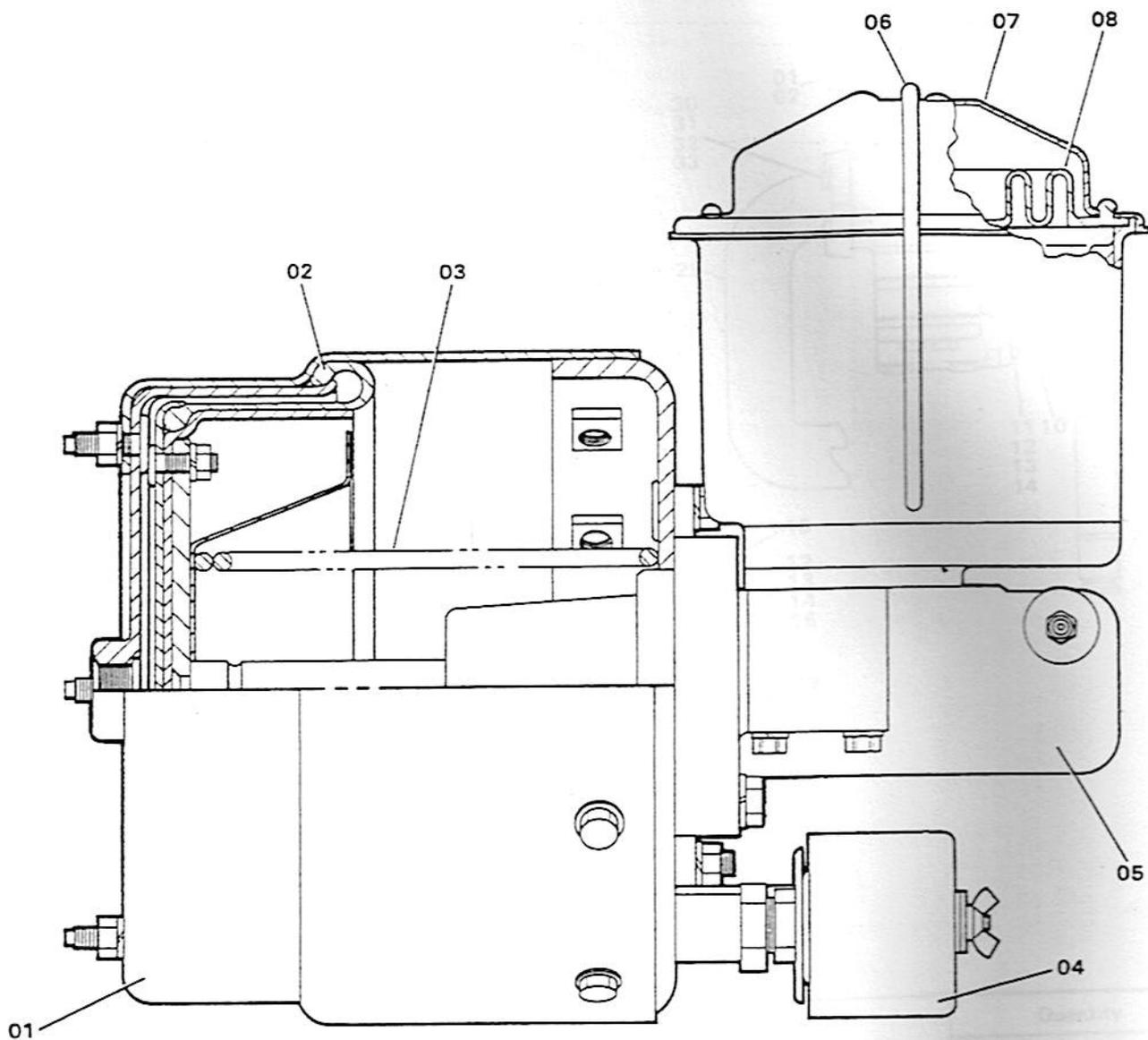


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	938N35-2	AIR RESERVOIR ASSY.	2			
01	16P5431	. SUPPORT, Weld . . . . .	1			
02	27Z891	. RESERVOIR, Air . . . . .	1			
03	16T7017	. BRACKET, Air resv. . . . .	2			
04	36Z1153D1	. VALVE, Safety . . . . .	1			
05	36Z8	. COCK, Drain . . . . .	2			
06	44Z206D3	. ELBOW, 90° st. . . . .	1			
07	44Z206D9	. ELBOW, 90° st. . . . .	2			
08	44Z210D8	. BUSHING, Pipe. . . . .	1			
09	44Z1184D8	. ELBOW, Male 90° . . . . .	1			

AIR RESERVOIR ASSEMBLY (Continued)

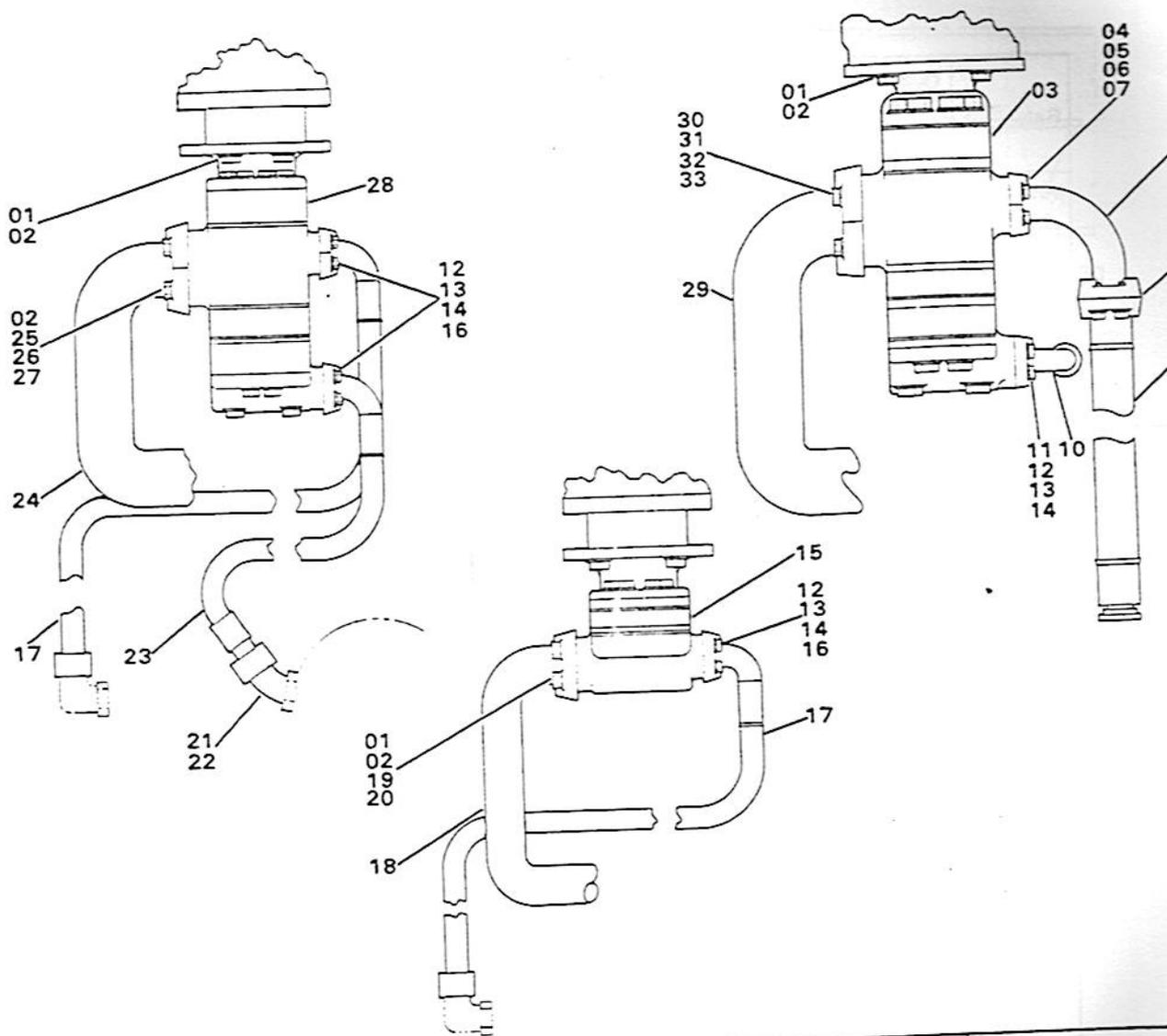
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			2			
10	44Z226D2	. PLUG, Pipe . . . . .	1			
11	44Z816	. VALVE, Check . . . . .	1			
12	44Z688D5	. TEE, Service . . . . .	1			
13	44Z1586D7	. CONNECTOR, Male . . . . .	1			
14	44Z1586D15	. CONNECTOR, Male . . . . .	1			
15		. SCREW, Hex hd. cap 3/8 in. -16 x 1 in. lg. . . . .	4			
16		. SCREW, Hex hd. cap 3/8 in. -16 x 7 in. lg. . . . .	2			
17		. NUT, Hex 3/8 in. -16 . . . . .	6			
18		. WASHER, Lock 3/8 in. . . . .	6			

# INTENSIFIER, AIR/HYDRAULIC



Ref.	Part Number	Description	Quantity			
			Figure Number			
-	36U180	INTENSIFIER, AIR/HYDRAULIC				
01	1038Z295	.. ROTOCHAMBER .....	1			
02	50Z19	.. DIAPHRAGM .....	1			
03	1017Z275	.. SPRING .....	1			
04	1046Z291	.. BREATHER .....	1			
-	1046Z375	... ELEMENT .....	1			
05	1038Z291	.. CYLINDER, Master w/reservoir ..	1			
-	1045Z1827	.. KIT, Seal .....	1			
06	1032Z277	.. CLAMP .....	1			
07	1014Z1591	.. COVER .....	1			
08	1018Z5535	.. BLADDER .....	1			
-	1079Z1544	.. SWITCH (Not Shown) .....	1			

## PUMP INSTALLATION ASSEMBLIES

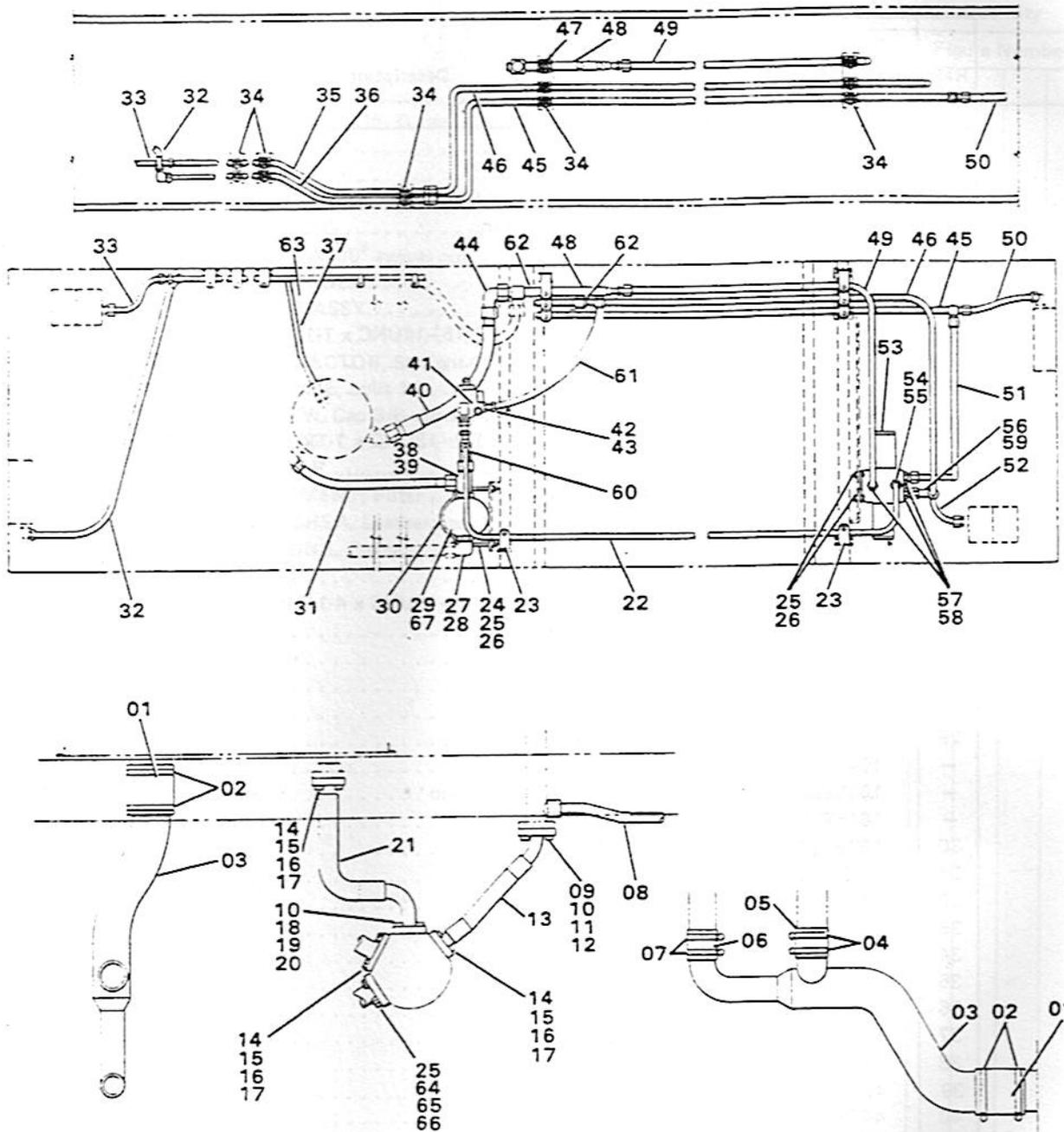


Ref.	OPTION Part Number	Description	Quantity		
			Figure Number		
			1	1	2
-	937J6-1	BOOM HOIST, TELESCOPE AND WINCH PUMP INST.			
-	937J7-1	STEERING, SWING AND OUTRIGGER PUMP INST.			
-	937J7-2	STEERING, SWING, OUTRIGGER AND SLOW WINCH PUMP INST.			
01		. SCREW, Hex. hd. cap 1/2-13UNC x 1-1/2 in. ....	4	8	4
02		. WASHER, Lock 1/2 in. ....	4	8	8
03	37U55D1	. PUMP, Boom hoist, telescope and winch .....	1	-	-
-	1045Z1723	.. SEAL KIT, Cover end. ....	1	-	-
-	1045Z1721	.. SEAL KIT, Shaft end. ....	1	-	-
04		. SCREW, Hex. hd. cap 7/16-14UNC x 1-1/2 in. ....	8	-	-
05		. WASHER, Lock 7/16 in. ....	8	-	-
06	44Q26D4	. FLANGE, Split. ....	4	-	-
07	45Z479D22	. O-RING, Flange. ....	2	-	-
08	44N811	. TUBE ASSY., Winch pump. ....	1	-	-

PUMP INSTALLATION ASSEMBLIES (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	1	2	
09	44Q493D2	. HOSE ASSY., Winch pump . . . . .	1	-	-	
10	44Q492D1	. HOSE ASSY., Boom hoist and telescope . . . . .	1	-	-	
11		. SCREW, Hex. hd. cap 3/8-16UNC x 1-1/4 in. . . . .	4	-	-	
12		. WASHER, Lock 3/8 in. . . . .	4	4	8	
13	44Q26D3	. FLANGE, Split . . . . .	2	2	4	
14	45Z479D21	. O-RING, Flange . . . . .	1	1	2	
15	37U57D1	. PUMP, Steering, swing and outrigger . . . . .	-	1	-	
-	1045Z1720	. . SEAL KIT . . . . .	-	1	-	
16		. SCREW, Hex hd. cap 3/8-16UNC x 1-1/4 in. . . . .	-	4	8	
17	44Q497D5	. HOSE ASSY., Pump to filter . . . . .	-	1	1	
18	44U75	. TUBE, Suction . . . . .	-	1	-	
19	44Q26D5	. FLANGE, Split . . . . .	-	2	-	
20	45Z479D23	. O-RING, Flange . . . . .	-	1	-	
21	44Z429D7	. ELBOW, 45° o-ring . . . . .	-	-	1	
22	45Z91D172	. . O-RING . . . . .	-	-	1	
23	44Q497D1	. HOSE ASSY., Slow winch pump . . . . .	-	-	1	
24	44U73	. TUBE, Suction . . . . .	-	-	1	
25		. SCREW, Hex hd. cap 1/2-13UNC x 1-3/4 in. . . . .	-	-	4	
26	44Q26D7	. FLANGE, Split . . . . .	-	-	2	
27	45Z479D47	. O-RING, Flange . . . . .	-	-	1	
28	37U56D2	. PUMP, Steering, swing, outrigger and slow winch. . . . .	-	-	1	
-	1045Z1722	. . SEAL KIT, Cover end. . . . .	-	-	1	
-	1045Z1720	. . SEAL KIT, Shaft end . . . . .	-	-	1	
29	44U72	. TUBE, Suction . . . . .	1	-	-	
30		. SCREW, Hex hd. cap 5/8-11UNC x 1-3/4 in. . . . .	4	-	-	
31		. WASHER, Lock 5/8 in. . . . .	4	-	-	
32	44Q26D15	. FLANGE, Split . . . . .	2	-	-	
33	45Z479D48	. O-RING, Flange . . . . .	1	-	-	

### BASIC LOWER HYDRAULIC ASSEMBLY



Ref.	Part Number	Description	Quantity	
			2	3
-	944J22-2	HYDRAULIC ASSEMBLY - BASIC LOWER		
-	944J22-3	HYDRAULIC ASSY - BASIC LOWER - FIRE RES. FLUID		
01	44Z1002D51	. HOSE	1	1
02	44Z978D1	. CLAMP, Hose	2	2
03	44U71	. TUBE ASSY.	1	1
04	44Z12D9	. CLAMP, Hose	2	2
05	44Z1002D13	. HOSE	1	1
06	44Z1290D15	. HOSE	1	1

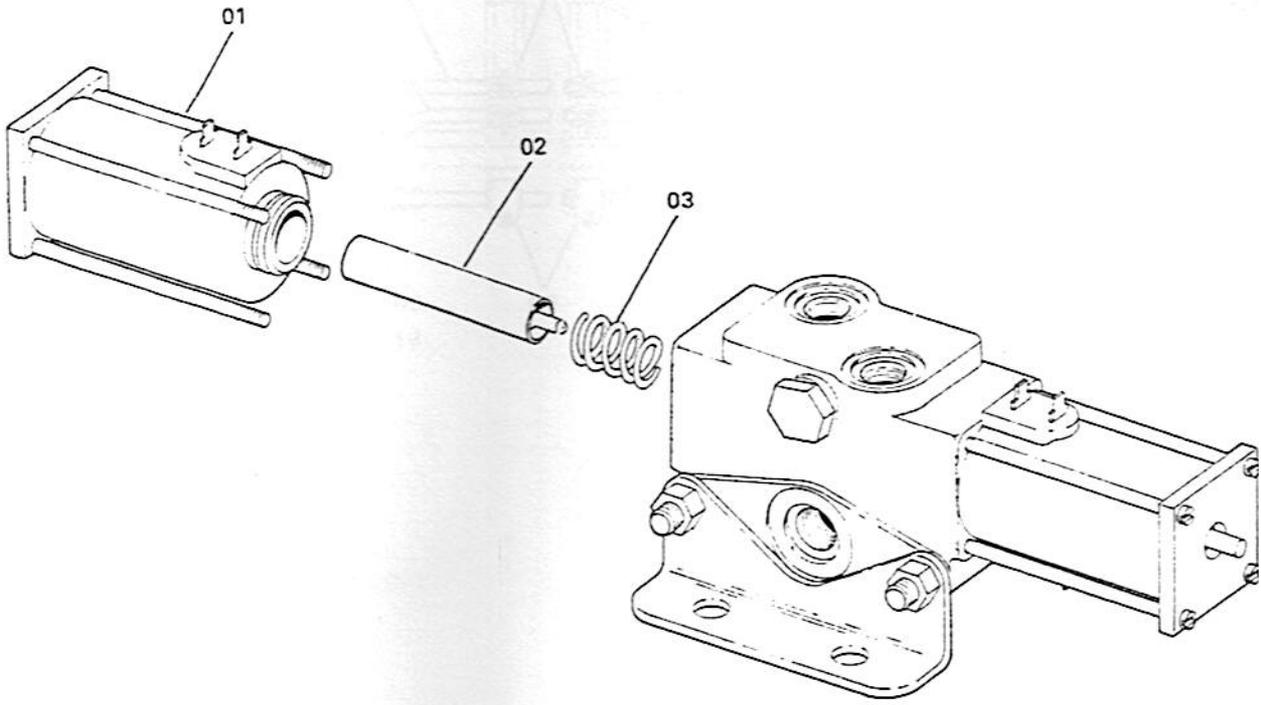
BASIC LOWER HYDRAULIC ASSEMBLY (Continued)

Ref.	Part Number	Description	Quant		
			Figure Nu		
			2	3	
07	44Z12D13	. CLAMP, Hose . . . . .	2	2	
08	44Q512D3	. HOSE ASSY. . . . .	1	1	
09		. SCREW, Hex. hd. cap 1/2-13UNC x 1-1/2 in. . . . .	4	4	
10		. WASHER, Lock 1/2 in. . . . .	8	8	
11	44Q26D6	. FLANGE, Split . . . . .	2	2	
12	45Z479D24	. O-RING, Flange . . . . .	1	1	
13	44Q496D1	. HOSE ASSY. . . . .	1	1	
14		. SCREW, Hex. hd. cap 7/16-14UNC x 1-1/4 in. . . . .	12	12	
15		. WASHER, Lock 7/16 in. . . . .	12	12	
16	44Q26D4	. FLANGE, Split . . . . .	6	6	
17	45Z479D22	. O-RING, Flange . . . . .	3	3	
18		. SCREW, Hex. hd. cap 1/2-13UNC x 1-1/4 in. . . . .	4	4	
19	44Q26D5	. FLANGE, Split . . . . .	2	2	
20	45Z479D23	. O-RING . . . . .	1	1	
21	44Q495D1	. HOSE ASSY. . . . .	1	1	
22	44N658	. TUBE ASSY. . . . .	1	1	
23	16Z338D2	. CLAMP, Tube . . . . .	2	2	
24		. SCREW, Hex. hd. cap 3/8-16UNC x 4-1/2 in. . . . .	2	2	
25		. WASHER, Lock 3/8 in. . . . .	10	10	
26		. NUT, Hex. 3/8-16UNC . . . . .	6	6	
27	44Z421D10	. ELBOW, 90° o-ring . . . . .	1	1	
28	45Z91D172	. O-RING . . . . .	1	1	
29	46Q28D4	. FILTER, Hydraulic oil . . . . .	1	-	
-	1046Z292	. ELEMENT, Filter . . . . .	1	-	
-	1018Z5551	. WASHER, Leather back-up . . . . .	1	-	
-	1045Z1616	. O-RING, Element . . . . .	1	-	
30	16T6832	. CLAMP, Filter . . . . .	1	1	
31	44Q504D6	. HOSE ASSY. . . . .	1	1	
32	44Q491D6	. HOSE ASSY. . . . .	1	1	
33	44Q491D1	. HOSE ASSY. . . . .	1	1	
34	16Z338D3	. CLAMP, Tube . . . . .	11	11	
35	44N654	. TUBE ASSY. . . . .	1	1	
36	44N655	. TUBE ASSY. . . . .	1	1	
37	44P42D10	. HOSE ASSY. . . . .	1	1	
38	44Z488D10	. TEE, O-ring . . . . .	1	1	
39	45Z91D172	. O-RING . . . . .	1	1	
40	44Q498D3	. HOSE ASSY. . . . .	1	1	
41	36Q246D1	. VALVE, Relief . . . . .	1	1	
42	44Z485D11	. ST. CONNECTOR . . . . .	1	1	
43	45Z91D165	. O-RING . . . . .	1	1	
44	44Z473D10	. ELBOW, 90° . . . . .	1	1	
45	44N662	. TUBE ASSY. . . . .	1	1	
46	44N661	. TUBE ASSY. . . . .	1	1	
47	16Z338D5	. CLAMP, Tube . . . . .	1	1	
48	44Q508	. MANIFOLD . . . . .	1	1	
49	44N660	. TUBE ASSY. . . . .	1	1	
50	44Q491D23	. HOSE ASSY. . . . .	1	1	
51	44N664	. TUBE ASSY. . . . .	1	1	
52	44Q491D4	. HOSE ASSY. . . . .	1	1	
53	36U141D2	. VALVE, Solenoid (Page 11.1) . . . . .	1	1	

BASIC LOWER HYDRAULIC ASSEMBLY (Continued)

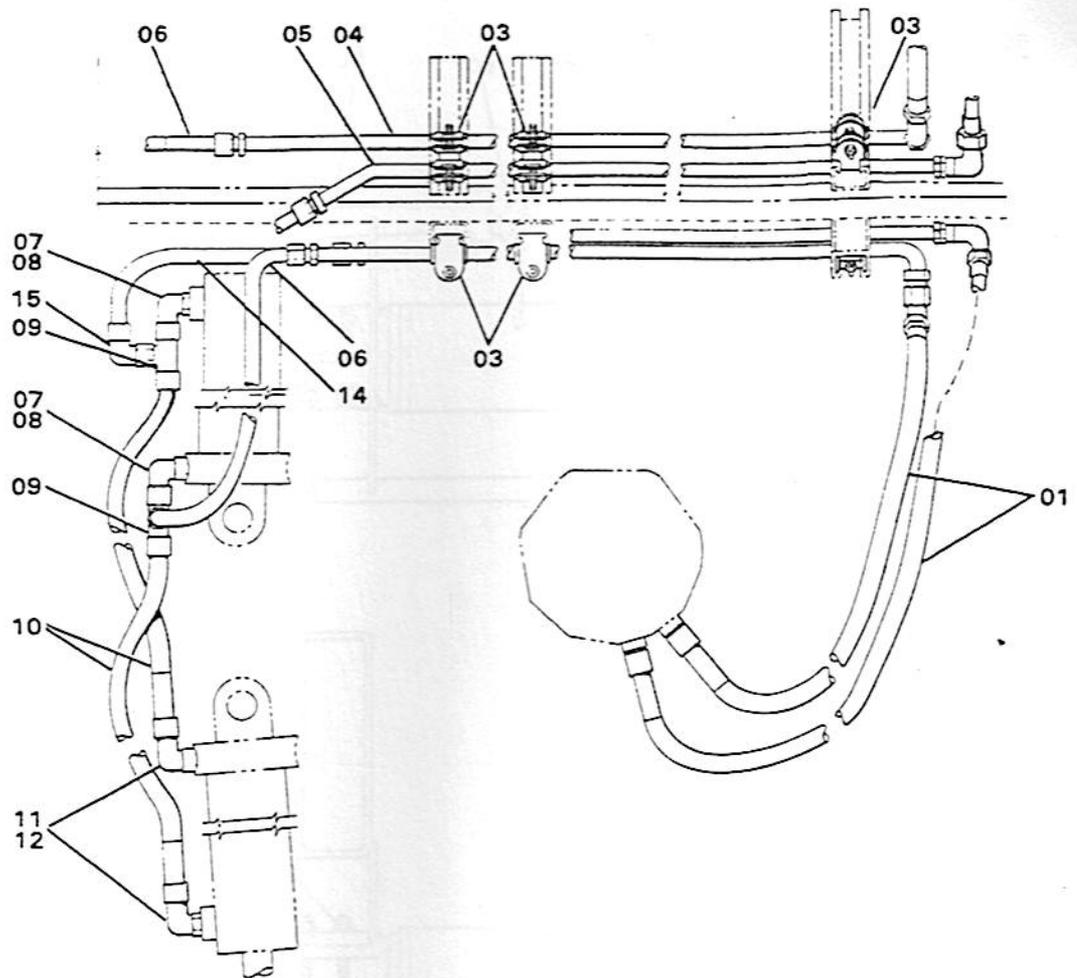
Ref.	Part Number	Description	Quantity			
			Figure Number			
			2	3		
54	44Z485D6	. CONNECTOR, O-ring.....	1	1		
55	45Z91D47	.. O-RING.....	1	1		
56	44Z612D7	. TEE.....	1	1		
57	44Z485D23	. CONNECTOR, O-ring.....	3	3		
58	45Z91D58	.. O-RING.....	1	1		
59	44Z473D7	. ELBOW, 90° swivel nut.....	2	2		
60	44Q561	. MANIFOLD.....	1	1		
61	44P42D22	. HOSE ASSY.....	1	1		
62	44Z511D4	. CAPNUT.....	2	2		
63	44Z590D13	. CONNECTOR, Straight.....	1	1		
64	44Q26D3	. FLANGE, Split 1 in.....	2	2		
65		. SCREW, Cap 3/8-16 x 1-1/4 in.....	4	4		
66	45Z479D21	. O-RING.....	1	1		
67	46Q28D5	. FILTER.....	-	1		
-	1046Z292	.. ELEMENT, Filter.....	-	1		
-	1018Z5551	.. WASHER, Leather back-up.....	-	1		
-	1045Z1616	.. O-RING, Element.....	-	1		

# DOUBLE SOLENOID VALVE



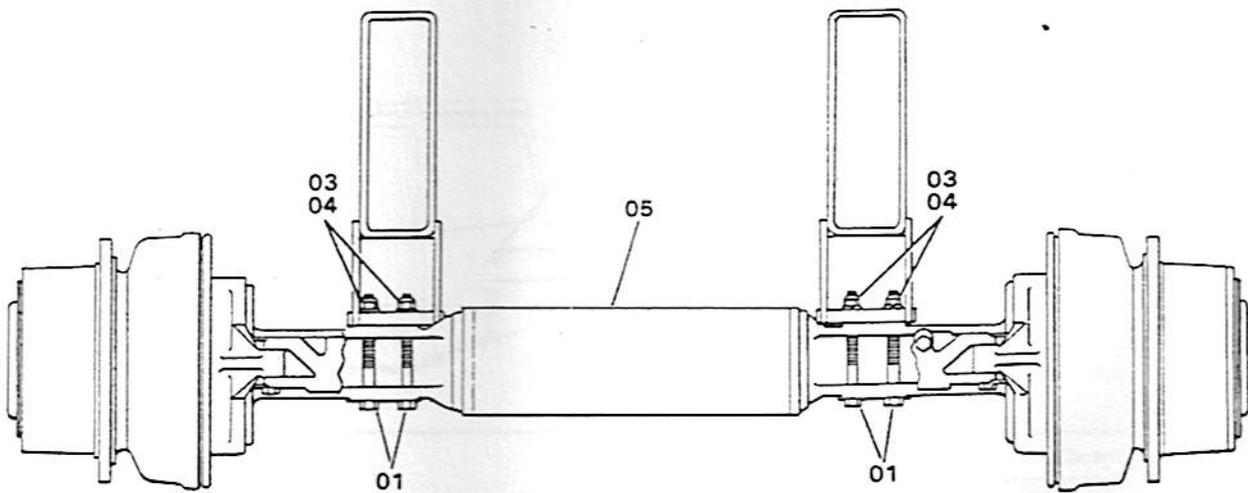
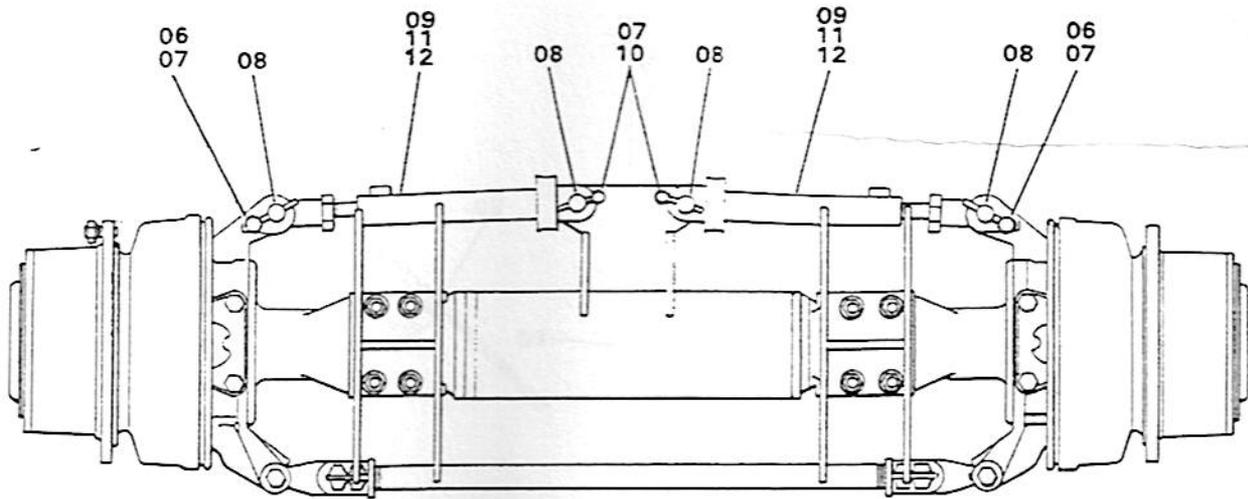
Ref.	Part Number	Description	Quantity			
			Figure Number			
-	36U141D2	DOUBLE SOLENOID VALVE	1			
01	108126	. SOLENOID ASSY. ....	2			
02	1044Z512	. . GUIDE, Tube assy... ..	2			
03	1017Z929	. SPRING, Centering . . . . .	2			

### FRONT STEERING HYDRAULIC ASSEMBLY



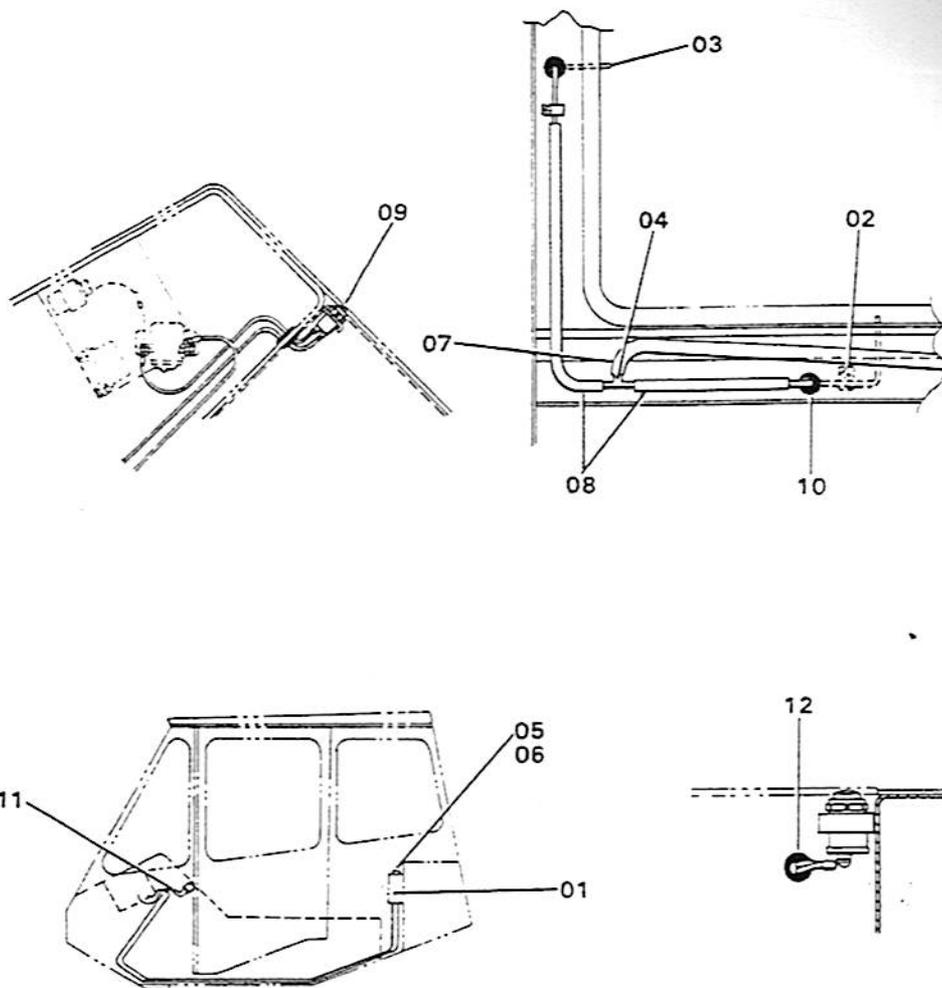
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
-	944J28-1	HYDRAULIC ASSEMBLY - FRONT STEERING	1			
01	44Q501D19	. HOSE ASSY. ....	2			
02	44Z472D7	. ELBOW, 45° .....	1			
03	16Z338D3	. CLAMP, Tube .....	6			
04	44N656	. TUBE ASSY. ....	1			
05	44N657	. TUBE ASSY. ....	1			
06	44Q501D1	. HOSE ASSY. ....	3			
07	44Z421D6	. ELBOW, 90° o-ring .....	2			
08	45Z91D47	. O-RING .....	1			
09	44Z487D6	. TEE, Swivel .....	2			
10	44Q501D1	. HOSE ASSY. ....	2			
11	44Z421D20	. ELBOW, 90° o-ring .....	2			
12	45Z91D47	. O-RING .....	1			
13	44Z473D7	. ELBOW .....	1			
14	44Q501D2	. HOSE ASSEMBLY .....	1			
15	44Z473D6	. ELBOW, 90° swivel .....	1			

### FRONT NON-DRIVING STEERING AXLE INSTALLATION



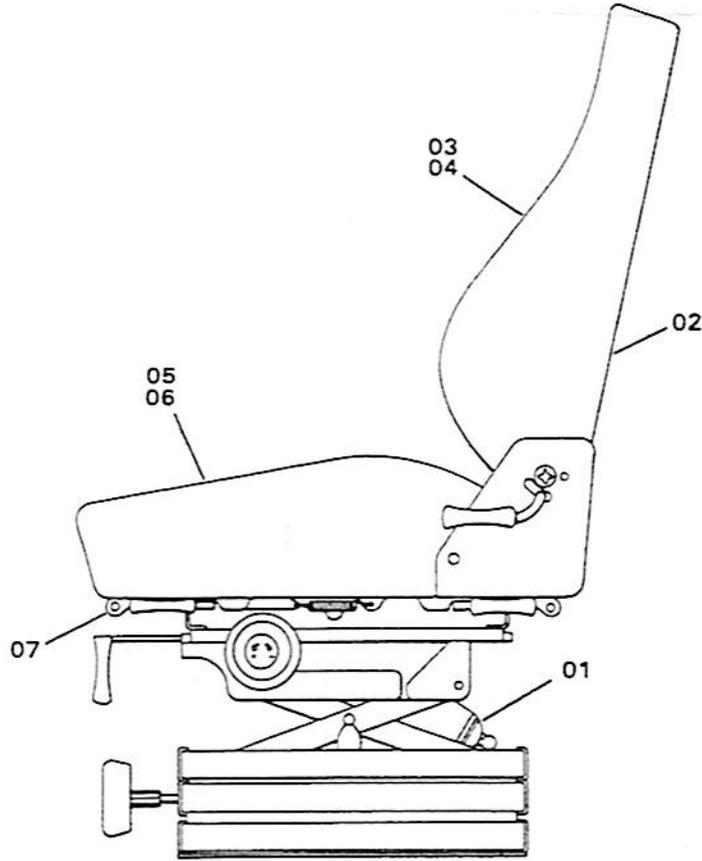
Ref.	OPTION Part Number	Description	Quantity		
			Figure Number		
			1	2	3
-	910N530-1	AXLE INSTALLATION FRONT NON-DRIVING STEERING	↓		
-	910N530-2	AXLE INSTALLATION FRONT NON-DRIVING STEERING FIRE RESISTANT FLUIDS		↓	
-	910N530-3	AXLE INSTALL. FRT. NON-DRIVING STEERING			↓
01		. SCREW, Hex hd. cap 3/4-10UNC x 8-1/2 in. . . . .	8	8	8
03	18Z694D8	. WASHER, Hardened 3/4 in. . . . .	8	8	8
04		. NUT, Hex 3/4-10UNC. . . . .	8	8	8
05	10J61	. AXLE, Front non-driving steering (Page 14.1). . . . .	1	1	1
06		. SCREW, Hex hd. cap 1/2-20UNF x 1-1/2 in. . . . .	2	2	2
07	720T15	. ROD, End . . . . .	4	4	4
08	19T5942	. PIN, Cylinder . . . . .	4	4	4
09	38R74	. CYLINDER, Steering (Page 24.1). . . . .	2	-	-
10	20Q1D39	. SCREW, Hex hd. shoulder 3/8-16UNC x 1-1/2 in. . . . .	2	2	2
11	38R98	. CYLINDER, Steering (Page 24.2). . . . .	-	2	-
12	38R109	. CYLINDER, Steering (Page 24.3). . . . .	-	-	2

## WINDSHIELD WASHER INSTALLATION



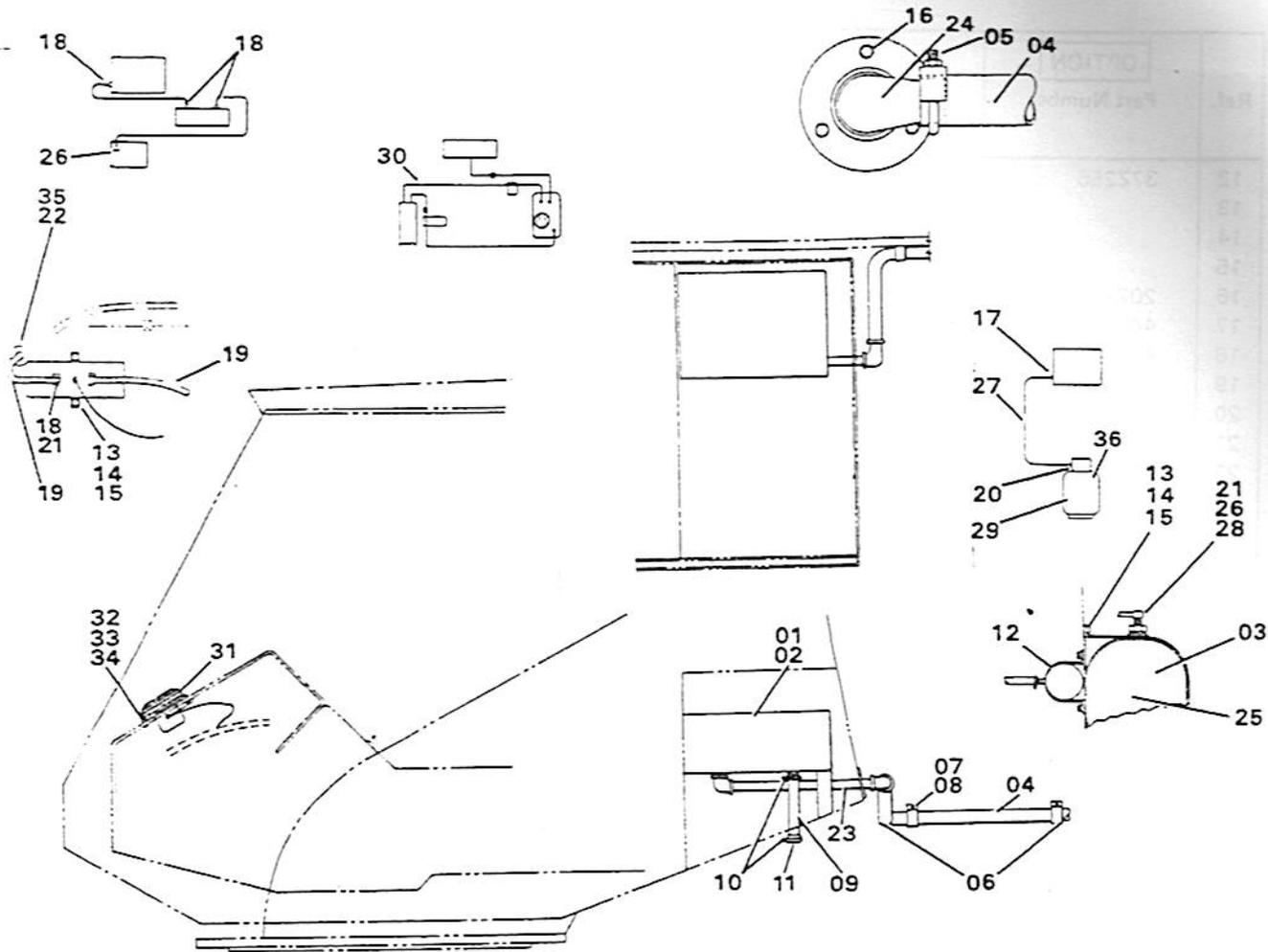
Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
-	100N2828-1	WASHER INSTALLATION, WINDSHIELD	1			
01	18Q202	.. WASHER, Windshield. ....	1			
02		.. CLAMP .....	2			
03		.. TUBING, 1/8 in. x 6-7/8 in. lg .....	2			
04		.. TEE .....	1			
05		.. SCREW, Self drill 1/4 in.-20 .....	2			
06		.. WASHER, Plain 1/4 in .....	2			
07		.. HOSE, Rubber 3/16 in.-6-1/2 ft .....	1			
08		.. HOSE, Rubber 1/8 in.-18 in .....	2			
09		.. SWITCH. ....	1			
10	20F57D53	.. GROMMET .....	2			
11	16T7504	.. BRACKET .....	1			
12	20F57D25	.. GROMMET .....	1			
NOTE						
All individual wires, leads & jumpers should be fabricated locally.						

# OPERATOR'S SEAT ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
-	48R10	OPERATOR'S SEAT ASSEMBLY					
01	1048Z168	. ABSORBER ASSY., Shock				1	
02	1048Z167	. FRAME, Back cushion				1	
03	1048Z186	. KIT, Seat back				1	
04	1020Z6324	. ROD, Long—incl. in Ref. 3 & 4				2	
05	1048Z187	. KIT, Seat cushion				1	
06	1020Z330	. CLIP				23	
07	1048Z169	. FRAME, Seat cushion				1	
-	948P23-4	. BELT, Installation, safety (not shown)				1	
-	7Z370D2	. STRAP, Tether				1	
-	7Z371D3	. BELT, Lap				1	

## HEATER & FUEL TANK INSTALLATION

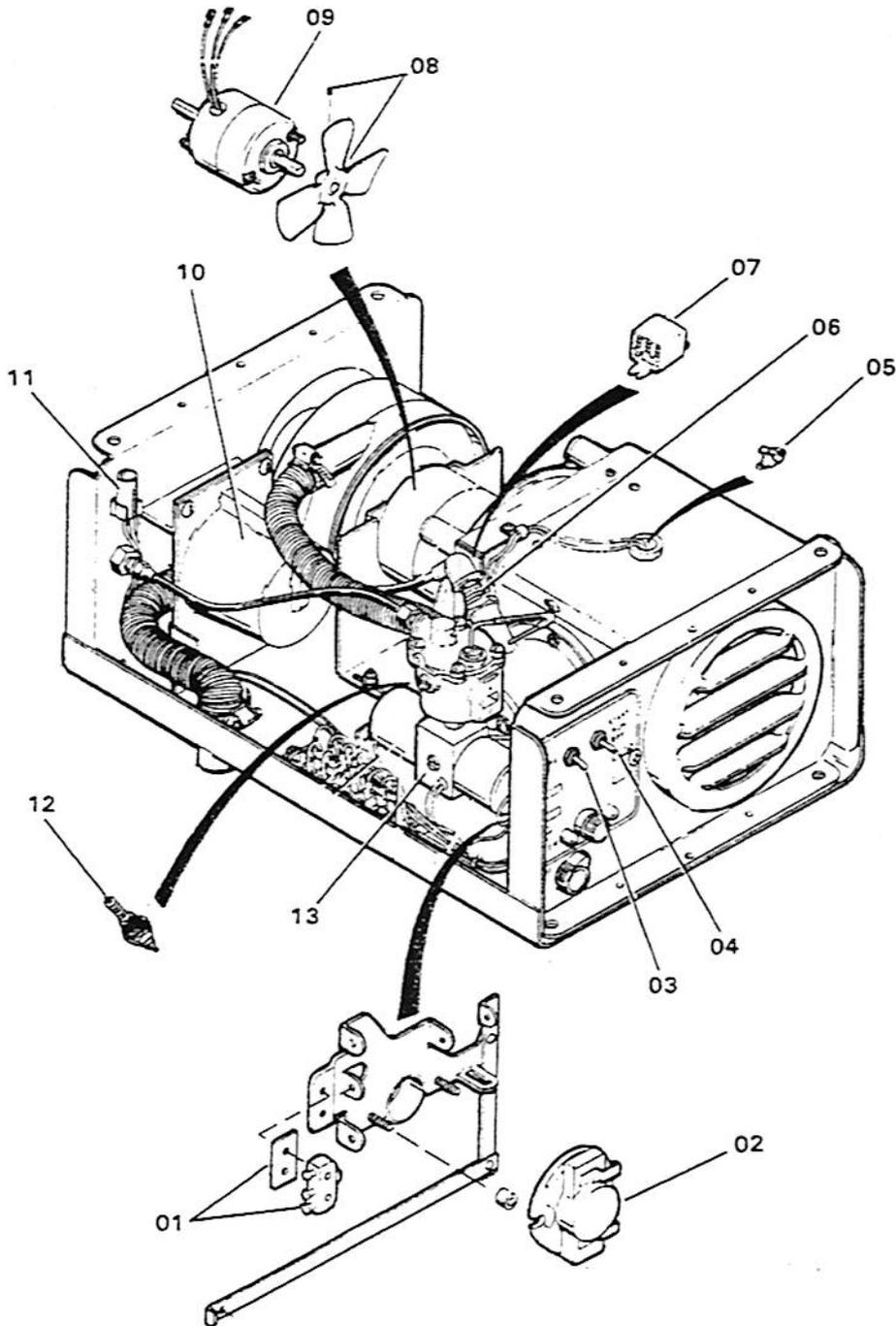


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2	4	
-	100J5096-1	DEFROSTER INSTALLATION				
-	100J5096-2	HEATER, L.P. GAS W/O TANK				
-	100J5096-4	HEATER, DIESEL				
01	80R15	. HEATER, L.P. gas (Page 7.2) . . . . .	-	1	-	
02	80R14	. HEATER, Diesel (Page 7.1) . . . . .	-	-	1	
03	27U172	. TANK, Fuel . . . . .	-	-	1	
04	44Z1410D4	. HOSE, Exhaust . . . . .	-	1	1	
05	32Z171D3	. CLAMP . . . . .	-	1	1	
06	32Z643D23	. CLAMP . . . . .	-	2	2	
07		. SCREW, Hex hd. cap 3/8 in. -16UNC x 5/8 in. . . . .	-	2	2	
08		. WASHER, Flat 3/8 in. . . . .	-	2	2	
09	44Z1929	. HOSE, Inlet . . . . .	-	1	1	
10	44Z12D16	. CLAMP . . . . .	-	2	2	
11	14T1766D2	. SCREEN . . . . .	-	1	1	

## HEATER & FUEL TANK INSTALLATION (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2	4	
12	37Z256	. PUMP, Fuel . . . . .	—	—	1	
13		. SCREW, Hex hd. cap 1/4 in. —20UNC x 1/2 in. . . . .	—	8	10	
14		. WASHER, Lock 1/4 in. . . . .	—	8	10	
15		. WASHER, Flat 1/4 in. . . . .	—	8	10	
16	20Z1282D1	. SCREW, Self tap #10 . . . . .	—	3	3	
17	44Z590D8	. CONNECTOR, Male. . . . .	—	1	—	
18	44Q14D1	. END, Hose . . . . .	—	—	3	
19	44Z1315D2	. HOSE, 1/4 in. I.D. x 24 in. . . . .	—	—	2	
20	44Z590D9	. CONNECTOR, Male. . . . .	—	1	—	
21	44Z12D23	. CLAMP . . . . .	—	—	4	
22	20F57D44	. GROMMET . . . . .	—	—	1	
23	18P1065D21	. NIPPLE — 1 in. NPT x 17 in. . . . .	—	1	1	
24		. ELBOW, Str. 1 in. . . . .	—	1	1	
25	32Z1113	. DECAL, Diesel fuel . . . . .	—	—	1	
26	44Z934D3	. END, Hose 90° . . . . .	—	—	1	
27	44P994D4	. HOSE 5/16 IN. I.D. x 43/64 IN. O.D. x 39 IN. . . . .	—	1	—	
28	44Z210D6	. BUSHING . . . . .	—	—	1	
29	16Z630	. BRACKET, L.P. tank. . . . .	—	1	1	
30	20F57D26	. GROMMET . . . . .	—	1	—	
31	80Z85	. FAN, W/switch . . . . .	1	—	—	
32		. SCREW, Rd. hd. mach. #10—24. . . . .	4	—	—	
33		. WASHER, Lock #10 . . . . .	4	—	—	
34		. NUT, #10—24. . . . .	4	—	—	
35	20F57D12	. GROMMET . . . . .	—	1	—	
36	27Z804	. TANK, Propane. . . . .	—	1	—	
—	32Q881	. DECAL, Operation (not shown). . . . .	—	—	1	

### DIESEL HEATER ASSEMBLY

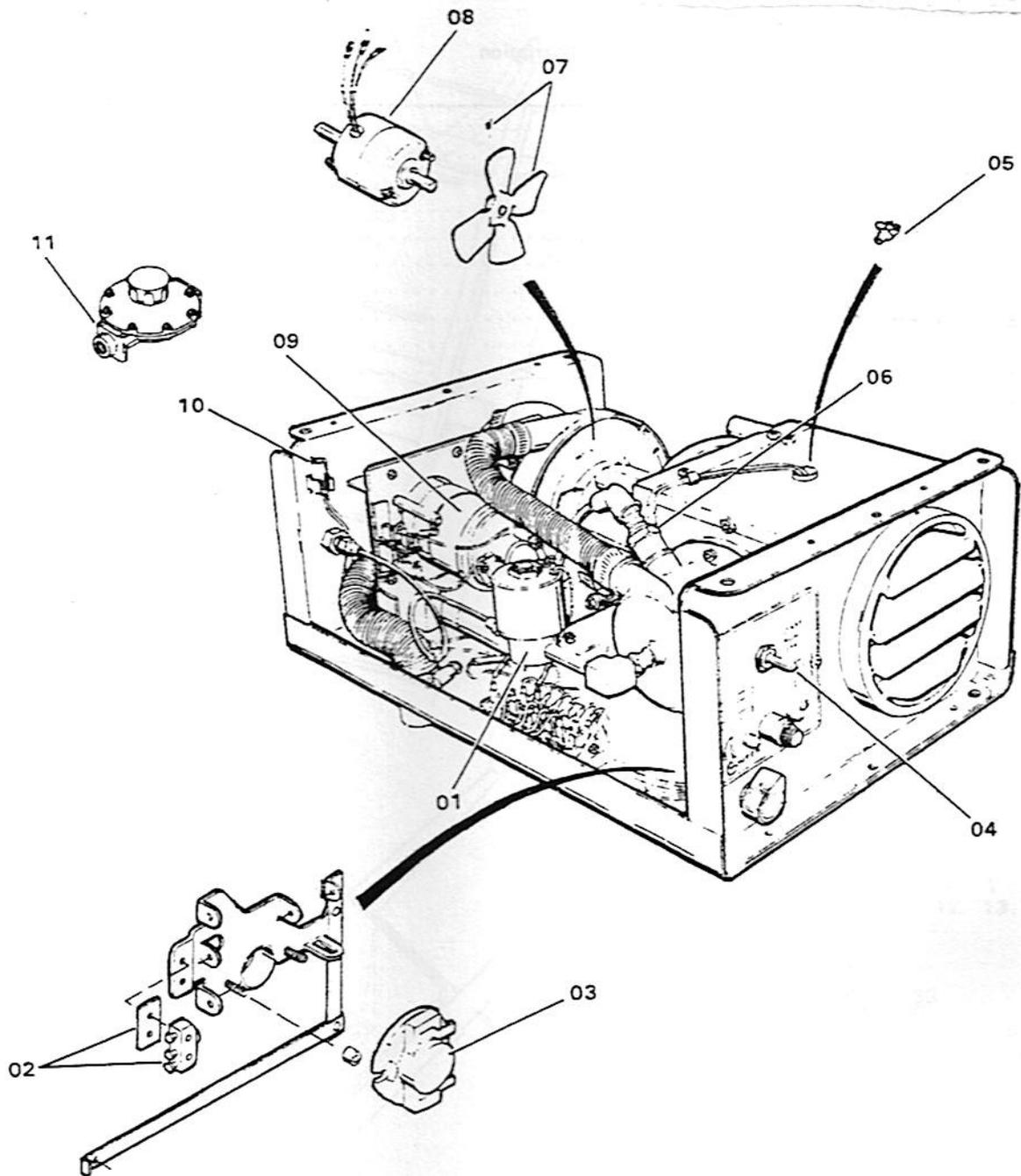


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	80R14	DIESEL HEATER ASSEMBLY				
01	1079Z1590	. SWITCH KIT, Micro. . . . .	1			
02	1089Z109	. SWITCH, Flame . . . . .	1			

### DIESEL HEATER ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
03	1079Z1534	. SWITCH, Preheat toggle .....	1				
04	1079Z1591	. SWITCH, Start-run toggle .....	1				
05	1089Z116	. THERMOSTAT. ....	1				
06	1037Z276	. IGNITER. ....	1				
07	1079Z1587	. RELAY .....	1				
08	1049Z138	. FAN, Propeller .....	1				
09	1088Z98	. MOTOR, Fan .....	1				
10	1037Z275	. IGNITION PACK ASSY. ....	1				
11	1079Z1588	. SWITCH KIT, Tilt .....	1				
12	1087Z128	. PLUG, Glow. ....	1				
13	1040Z53	. CARBURETOR .....	1				

# PROPANE HEATER ASSEMBLY

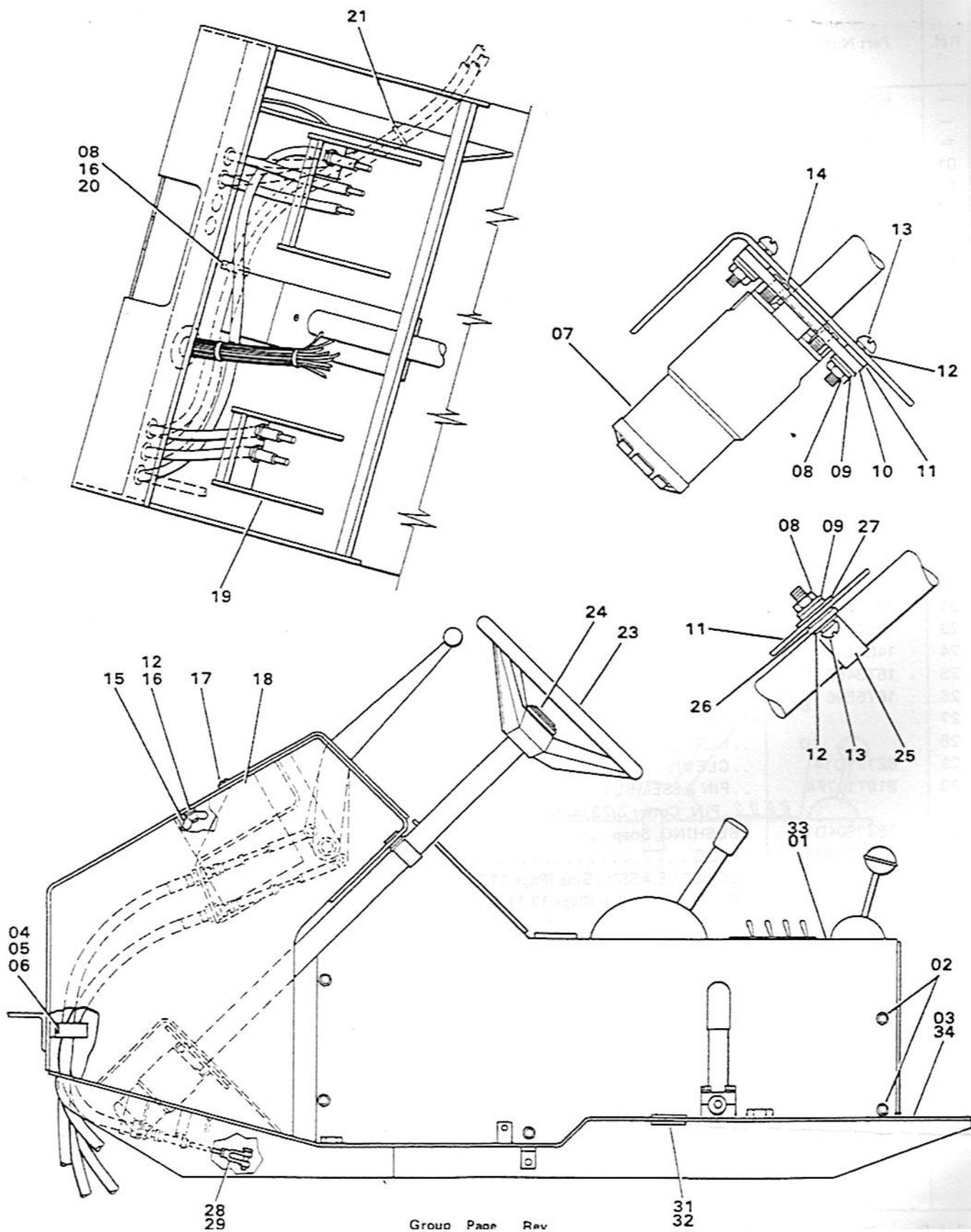


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	80R15	PROPANE HEATER ASSEMBLY				
01	1081Z16	. VALVE, Solenoid	1			

PROPANE HEATER ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
02	1079Z1590	. SWITCH KIT, Micro. ....	1			
03	1089Z109	. SWITCH, Flame ....	1			
04	1079Z1591	. SWITCH, Toggle ....	1			
05	1089Z116	. THERMOSTAT. ....	1			
06	1037Z246	. IGNITER. ....	1			
07	1049Z138	. FAN, Propeller ....	1			
08	1088Z99	. MOTOR, Fan ....	1			
09	1037Z274	. IGNITION PACK ASSY. ....	1			
10	1079Z1589	. SWITCH KIT, Tilt ....	1			
11	1036Z974	. REGULATOR ....	1			

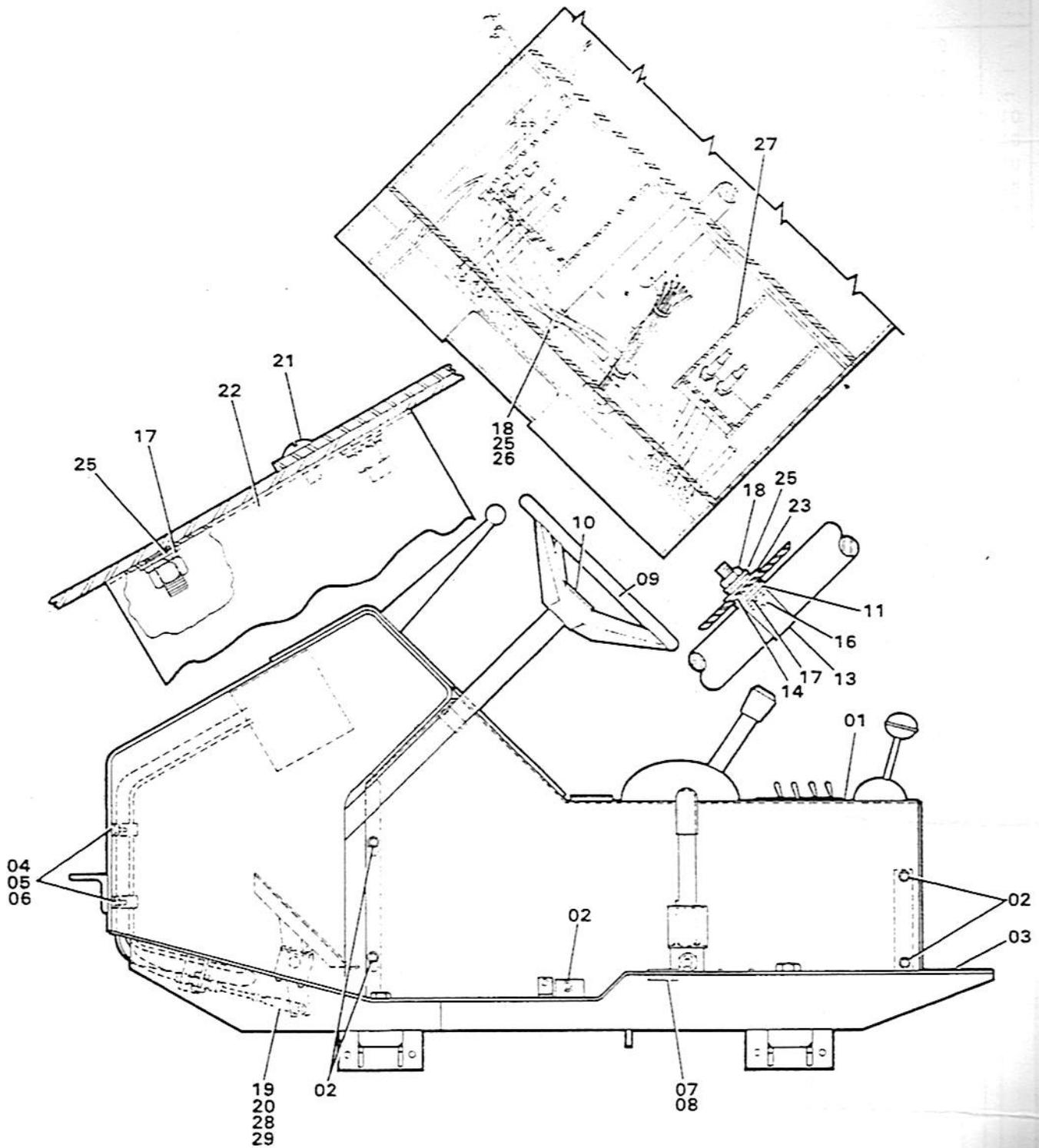
# CONTROLS INSTALLATION



CONTROLS INSTALLATION (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			7	8	9	
-	906J36-7	CONTROLS INSTALLATION	Y			
-	906J36-8	CONTROLS INSTALLATION - DEUTZ		Y		
-	906J36-9	CONTROLS INSTALLATION - DEUTZ			Y	
01	931J1-7	. CONSOLE ASSEMBLY, Side (Page 11.1)	1	-	-	
02	20Z1775D3	. SCREW, Flange lock	7	7	7	
03	916J79-1	. BASE ASSEMBLY, Cab (Page 13.3)	1	-	1	
04	32Z1083D24	. CLAMP, Cable	2	2	2	
05		. NUT, Hex 3/8-16UNC.	2	2	2	
06		. WASHER, Flat 3/8 in.	2	2	2	
-	906J37-4	. CONTROL ASSEMBLY	1	1	1	
07	36U158D4	. VALVE AND COLUMN ASSEMBLY, Steering (Page 10.1)	1	1	1	
08		. NUT, Hex 3/8-16UNC.	7	7	7	
09		. WASHER, Flat 3/8 in.	7	7	7	
10	16P4778	. PLATE, Mounting	1	1	1	
11	16Z209D1	. MOUNT, Steering valve and column	4	4	4	
12		. WASHER, Lock 3/8 in.	6	6	6	
13		. SCREW, Slot, rd. hd. mach. 3/8-16UNC x 1-3/4 in.	4	4	4	
14		. SCREW, Flat hd. 3/8-16UNC x 1-1/2 in.	2	2	2	
16		. WASHER, Flat 3/8 in.	3	-	-	
17	0638V111	. SCREW, Slot, truss hd.	19	19	19	
18	979N96-1	. ELECTRICAL ASSEMBLY, Component (Page 9.1)	1	1	1	
19	906N44-1	. LEVER ASSEMBLY, Control (Page 16.1)	1	1	1	
20	32Z1233D1	. CLAMP	1	1	1	
21	32Z890D4	. STRAP, Tie	1	1	1	
23	13U30	. WHEEL, Steering	1	1	1	
24	14Q101	. NUT, Steering wheel	1	1	1	
25	16T3460	. BRACKET, Steering column	1	1	1	
26	16T6596	. PLATE, Steering column mounting	1	1	1	
27		. WASHER, Flat 3/4 in.	2	2	2	
28		. NUT, Jam 5/16-24UNC.	1	1	1	
29	6Z131D14	. CLEVIS	1	1	1	
30	919T117F4	. PIN ASSEMBLY	1	1	1	
-		. PIN, Cotter 3/32 in. x 5/8 in.	1	1	1	
31	18Z2804D1	. BUSHING, Snap	1	1	1	
32	18Z2805D1	. PLUG	1	1	1	
33	931J1-6	. CONSOLE ASSY., Side (Page 11.2)	-	1	1	
34	916J69-2	. BASE ASSY., Cab (Page 13.1)	-	1	-	

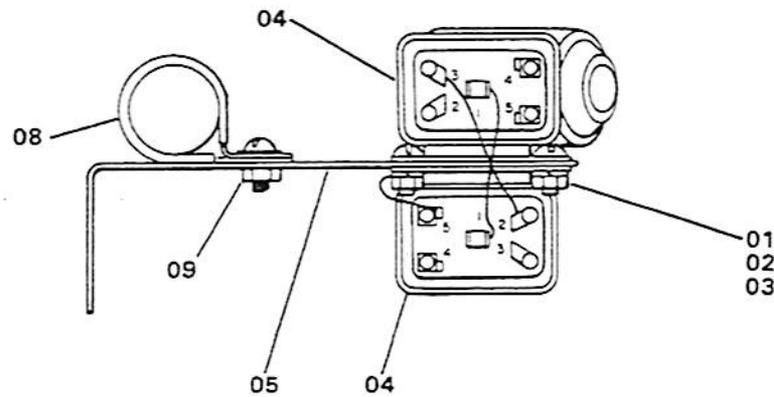
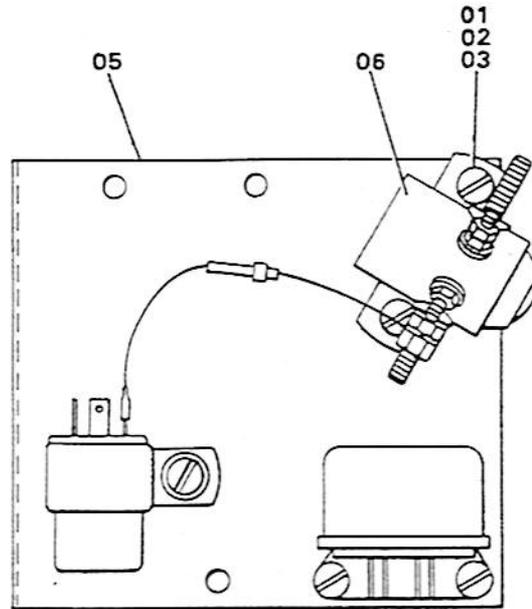
# CONTROL INSTALLATION



CONTROL INSTALLATION (Continued)

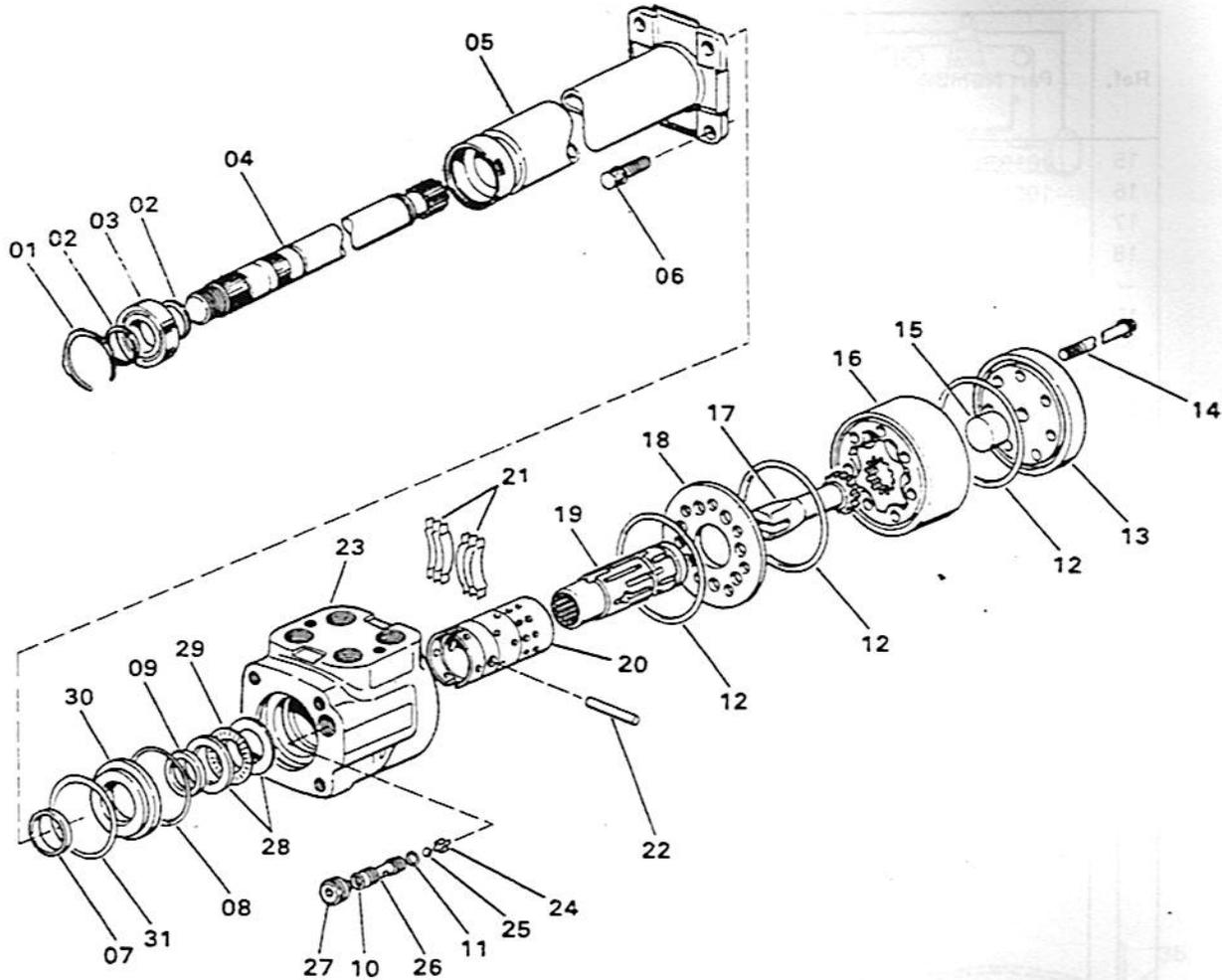
Ref.	Part Number	Description	Quantity					
			Figure Number					
			3	4	5			
-	906J46-3	CONTROL INSTALL. - ENPI						
-	906J46-4	CONTROL INSTALL. - EUROPEAN						
-	906J46-5	CONTROL INSTALL. - EUROPEAN						
01	931J3-3	. CONSOLE ASSY., Side (Page 11.3)	1	-	-			
01	931J3-4	. CONSOLE ASSY., Side (Page 11.3)	-	1	-			
01	931J3-5	. CONSOLE ASSY., Side (Page 2-11.3)	-	-	1			
02	20Z1775D3	. SCREW, Flange lock	7	7	7			
03	916J79-2	. BASE ASSY., Cab (Page 13.3)	1	1	1			
04	32Z1083D24	. CLAMP	2	2	2			
05		. NUT, Hex 3/8 in.-16UNC	2	2	2			
06		. WASHER, Flat 3/8 in.	2	2	2			
07	18Z3804D1	. BUSHING, Snap	1	1	1			
08	18Z3805D1	. PLUG	1	1	1			
-	906J37-4	. CONTROL ASSY.	1	1	1			
09	13U30	.. WHEEL, Steering.	1	1	1			
10	14Q101	.. CAP	1	1	1			
11	16T6596	.. PLATE, Mtg. steering column.	1	1	1			
12	16P4778	.. PLATE, Mtg.	1	1	1			
13	16T3460	.. BRACKET	1	1	1			
14	16Z209D1	.. MOUNT	4	4	4			
15	0622V026	.. SCREW	2	2	2			
16	0860V150	.. SCREW	4	4	4			
17	3615V009	.. WASHER, Lock.	6	6	6			
18	2045V003	.. NUT	7	7	7			
19	2065V002	.. NUT, Jam 5/16 in.-24UNC.	1	1	1			
20	6Z131D14	.. CLEVIS	1	1	1			
21	0638V111	.. SCREW	19	19	19			
22	979N96-1	.. ELECTRICAL COMP. ASSY. (Page 9.1)	-	1	1			
23	3611V012	.. WASHER	2	2	2			
24	36U158D4	.. VALVE & COLUMN ASSY., Steer (Page 10.1)	1	1	1			
25		.. WASHER, Flat 3/8 in.	7	7	7			
26	32Z1233D1	.. CLAMP	1	1	1			
27	906N44-1	.. LEVER ASSY., Control - swing (Page 16.1).	1	1	1			
28	919T117F4	.. PIN ASSY.	1	1	1			
29		... PIN, Cotter 3/32 x 5/8 in.	1	1	1			

## UPPER ELECTRICAL COMPONENT ASSEMBLY



Ref.	Part Number	Description	Quantity				
			Figure Number				
-	979N96-1	ELECTRICAL COMPONENT ASSEMBLY	1				
01		. SCREW, Rd. hd. mach. 1/4-20UNC x 1/2 in	5				
02		. WASHER, Lock 1/4 in	5				
03		. NUT, Hex 1/4-20UNC	5				
04	79P448	. RELAY, Epoxy sealed	2				
05	16P5403	. PLATE, Mounting	1				
06	79Z1745D1	. RELAY, Solenoid	1				
07	56Z262D1	. FLASHER, Signal	1				
08	32Z423D25	. CLAMP	1				
09		. WASHER, Flat 1/4 in.	1				
NOTE							
All individual wires, leads and jumpers should be fabricated locally.							

## STEERING VALVE AND COLUMN ASSEMBLY

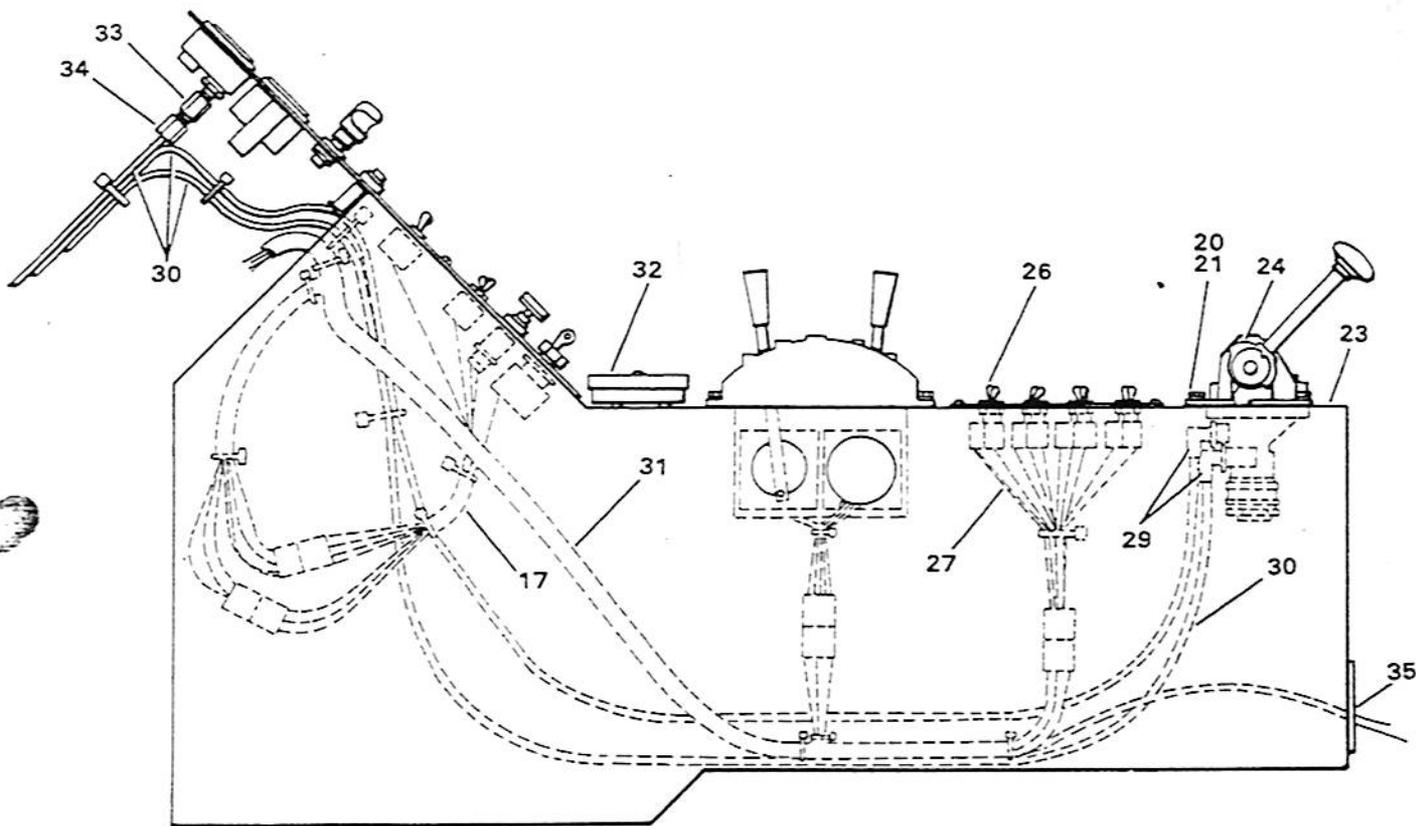
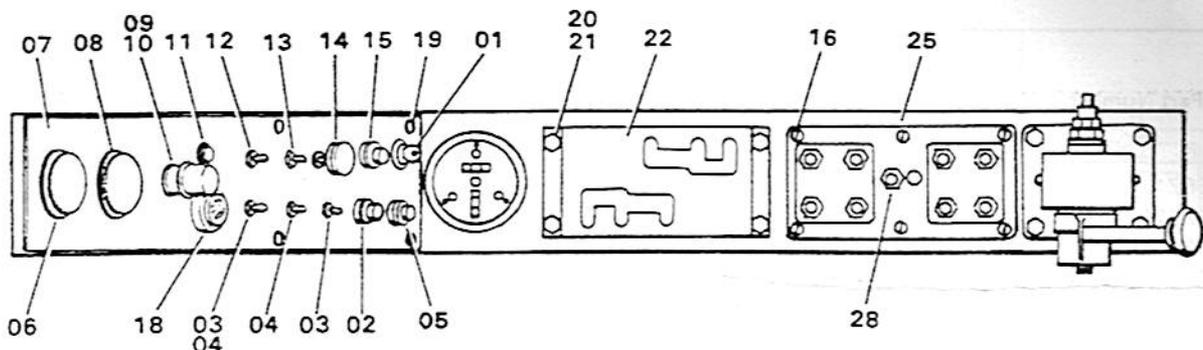


Ref.	Part Number	Description	Quantity			
			Figure Number			
-	36U158D4	STEERING VALVE AND COLUMN ASSEMBLY	1			
-	1010Z1135	. COLUMN ASSY., Steering	1			
01	1018Z2557	.. RING, Retaining	1			
02	1018Z2552	.. RING, Snap	2			
03	1025Z1150	.. BEARING	1			
04	1010Z1134	.. SHAFT, Steering	1			
05	1018Z5445	.. COLUMN, Steering	1			
06	1020Z5503	.. SCREW, 12 pt. 3/8-16UNC x 3/4 in.	2			
-	1045Z1731	.. KIT, Valve seal	1			
07		.. SEAL	1			
08		.. O-RING	1			
09		.. SEAL, Quad ring	1			
10		.. O-RING, Outer ball seat	1			
11		.. O-RING, Inner ball seat.	1			
12		.. O-RING	3			
13	1014Z1742	.. CAP, End.	1			
14	1020Z5490	.. SCREW, Cap.	7			

STEERING VALVE AND COLUMN ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity				
			Figure Number				
15	1018Z5332	. SPACER . . . . .	1				
16	1001Z1367	. GEROTOR . . . . .	1				
17	1010Z652	. GEAR, Drive . . . . .	1				
18	1018Z5335	. PLATE, Spacer . . . . .	1				
-	1036Z949	. CONTROL ASSY. . . . .	1				
19		.. SPOOL, Control . . . . .	1				
20		.. SLEEVE, Control . . . . .	1				
21	1017Z757	.. SPRING, Centering . . . . .	6				
22	1019Z701	.. PIN, Centering . . . . .	1				
23		.. HOUSING, Control . . . . .	1				
24	1018Z5797	. RETAINER, Ball check . . . . .	1				
25	1025Z2033	. BALL, Check . . . . .	1				
26	1025Z2031	. SEAT, Ball check . . . . .	1				
27	1020Z5850	. SCREW, Set . . . . .	1				
-	1025Z2034	. BEARING KIT, Needle . . . . .	1				
28	1025Z2032	.. RACE, Bearing . . . . .	2				
29	1025Z1887	.. BEARING, Needle thrust . . . . .	1				
30	1005Z533	. BUSHING, Seal gland . . . . .	1				
31	1018Z5337	. RING, Retaining . . . . .	1				

### SIDE CONSOLE ASSEMBLY

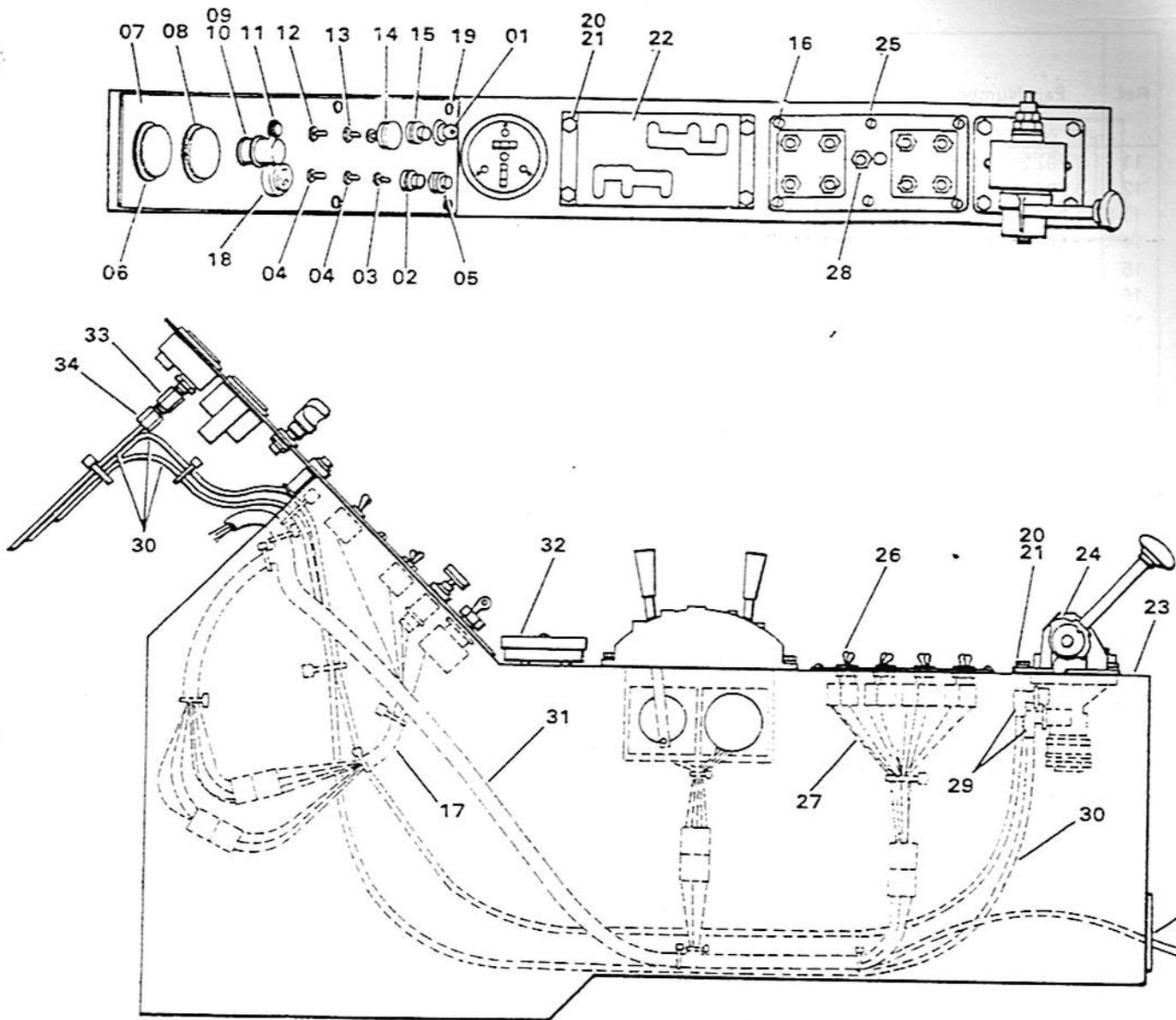


Ref.	Part Number	Description	Quantity			
			Figure Number			
			7			
-	931J1-7	SIDE CONSOLE ASSEMBLY	1			
-	979N83-5	.. PANEL ASSEMBLY, Switch and gauge	1			
01	79Z1690	.. SWITCH, Ignition	1			
02	79Z2633D4	.. SWITCH, Engine start	1			
03	79Z2400D2	.. SWITCH, Parking brake toggle	1			
04	79Z2400D1	.. SWITCH, Defroster and range toggle	2			
05	79Z2633D3	.. SWITCH, Emergency engine stop	1			
06	89U15D5	.. GAUGE, Air pressure	1			
07	32Z1898	.. PANEL, Switch and gauge	1			
08	89U15D4	.. GAUGE, Fuel level	1			
09	56Z386	.. LIGHT, Dash	1			

SIDE CONSOLE ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			7			
10	56Z114D6	. . . BULB, Dash light . . . . .	1			
11	79Z2924D1	. . LIGHT, Warning . . . . .	1			
12	79Z2400D4	. . SWITCH, Steering toggle . . . . .	1			
13	79Z2400D8	. . SWITCH, Head and park light toggle . . . . .	1			
14	1079Z1510	. . SWITCH, Wiper control . . . . .	1			
15	27Z670	. . LIGHTER, Cigar . . . . .	1			
16	56Z240D2	. . KIT, Gauge lighting . . . . .	2			
17	79Q604	. . HARNESS, Switch and gauge panel wiring . . . . .	1			
18	89Z453D2	. . SONALERT . . . . .	1			
19		. SCREW, Slot. truss. hd. #8-32UNC x 1/2 in . . . . .	10			
20		. SCREW, Rd. hd. mach. 1/4-20UNC x 1/2 in . . . . .	8			
21		. WASHER, Lock 1/4 in . . . . .	8			
22	79Q506	. QUADRANT, Gear shift (Page 12.1) . . . . .	1			
23	31J3	. SHELL, Console . . . . .	1			
24	36Q203D1	. VALVE AND HANDLE, Throttle . . . . .	1			
25	979P94-1	. PANEL, Outrigger switch . . . . .	1			
26	79Z2400D9	. . SWITCH, Outrigger toggle . . . . .	8			
27	79Q409	. . HARNESS, Switch wiring . . . . .	1			
28	79Z2400D1	. . SWITCH, Outrigger master toggle . . . . .	1			
29	44Z1723D6	. ELBOW, 90°. . . . .	2			
30	20Z1411D2	. TUBE, Nylon 1/4 in. . . . .	AR			
31	79R45	. HARNESS, Side console wiring . . . . .	1			
32	89Z421	. LEVEL, Machine . . . . .	1			
33	44Z209D1	. COUPLING . . . . .	1			
34	44Z1813D7	. CONNECTOR. . . . .	1			
35	20F57D1	. GROMMET . . . . .	1			
NOTE						
All individual wires, leads and jumpers should be fabricated locally.						

### SIDE CONSOLE ASSEMBLY



Ref.	Part Number	Description	Quantity	
			Figure Number	
-	931J1-6	SIDE CONSOLE ASSEMBLY - DEUTZ	6	
-	979J80F2	. PANEL ASSEMBLY, Switch and gauge	1	
01	79Z1690	.. SWITCH, Ignition	1	
02	79Z3163D1	.. SWITCH, Engine start	1	
03	79Z2400D2	.. SWITCH, Toggle	1	
04	79Z2400D1	.. SWITCH, Toggle	1	
05	79Z3163D2	.. SWITCH, Emergency engine stop	2	
06	89U15D5	.. GAUGE, Air pressure	1	
07	32R431	.. PANEL, Switch and gauge	1	
08	89U15D4	.. GAUGE, Fuel level	1	
09	56Z386	.. LIGHT, Dash	1	
10	56Z114D6	... BULB, Dash light	1	

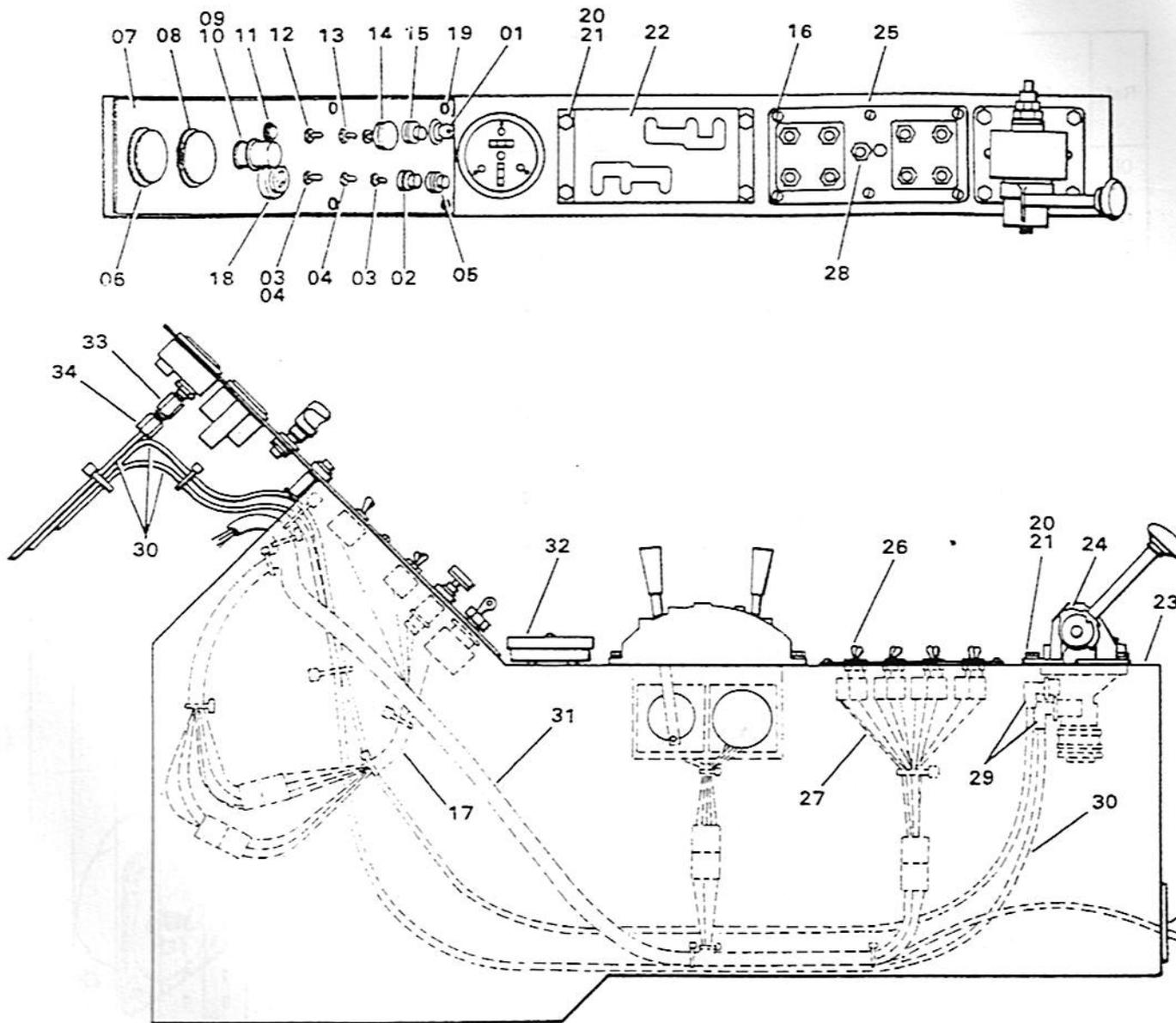
SIDE CONSOLE ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			6			
11	79Z2924D1	.. LIGHT, Warning .....	1			
12	79Z2400D4	.. SWITCH, Toggle .....	1			
13	79Z2400D8	.. SWITCH, Toggle .....	1			
14	1079Z1510	.. SWITCH, Wiper control .....	1			
15	27Z670	.. LIGHTER, Cigar .....	1			
16	56Z240D2	.. KIT, Gauge lighting .....	2			
17	79Q597	.. HARNESS, Switch and gauge panel wiring .....	1			
18	89Z453D2	. SONALERT .....	1			
19		. NUT, Hex #10-24 .....	1			
20		. SCREW, Rd. hd. mach. #10-24 x 1/2" lg. ....	1			
21		. WASHER, Lock #10 .....	1			
22	79Q506	. QUADRANT, Gear shift (Page 12.1) .....	1			
23	31J3	. SHELL, Console .....	1			
24	36Q203D1	. VALVE AND HANDLE, Throttle .....	1			
25	979P94-1	. PANEL, Outrigger switch .....	1			
26	79Z2400D9	.. SWITCH, Outrigger toggle .....	8			
27	79Q409	.. HARNESS, Switch wiring .....	1			
28	79Z2400D1	.. SWITCH, Outrigger master toggle .....	1			
29	44Z1723D6	. ELBOW, 90° .....	2			
30	20Z1411D2	. TUBE, Nylon 1/4 in. ....	AR			
31	79R45	. HARNESS, Side console wiring .....	1			
32	89Z421	. LEVEL, Machine .....	1			
33	44Z209D1	. COUPLING .....	1			
34	44Z1813D7	. CONNECTOR .....	1			
35	20F57D1	. GROMMET .....	1			

NOTE

All individual wires, leads and jumpers should be fabricated locally.

### SIDE CONSOLE ASSEMBLY



Ref.	Part Number	Description	Quantity			
			Figure Number			
			3	5		
-	931J3-3	SIDE CONSOLE ASSY., ENPI	1			
-	931J3-5	SIDE CONSOLE ASSY., EUROPEAN	1			
-	979J80F2	. . PANEL ASSEMBLY, SWITCH & GAUGE . . . . .	-	1		
-	979J88F2	. . PANEL ASSEMBLY, SWITCH & GAUGE . . . . .	1	-		
01	79Z1690	. . SWITCH, Ign. . . . .	1	1		
02	79Z2633D4	. . SWITCH, Eng. start . . . . .	1	-		
02	79Z3163D1	. . SWITCH, Eng. start . . . . .	-	1		
03	79Z2400D2	. . SWITCH, Parking brake toggle . . . . .	1	1		
04	79Z2400D1	. . SWITCH, Defroster & range toggle . . . . .	2	2		
05	79Z3163D2	. . SWITCH, Emergency eng. stop . . . . .	-	1		

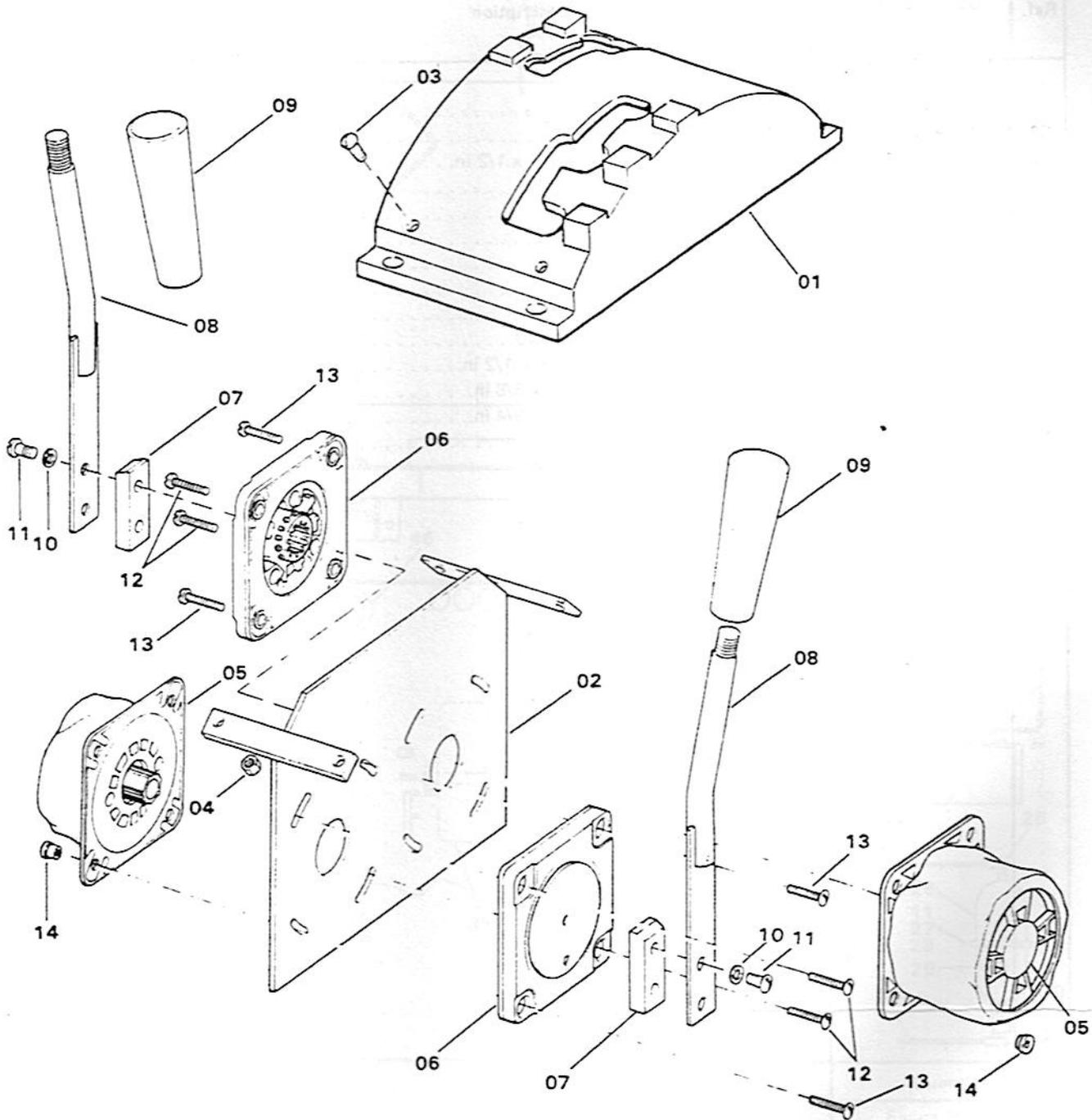
SIDE CONSOLE ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity					
			Figure Number					
			3	5				
06	89U15D5	.. GAUGE, Air pressure . . . . .	1	1				
07	32R431	.. PANEL, Switch & gauge . . . . .	—	1				
07	32R438	.. PANEL, Switch & gauge . . . . .	1	—				
08	89U15D4	.. GAUGE, Fuel level. . . . .	1	1				
09	56Z386	.. LIGHT, Dash . . . . .	1	1				
10	56Z114D6	.. BULB, Dash light . . . . .	1	1				
11	79Z2924D1	.. LIGHT, Warning . . . . .	1	1				
12	79Z2400D4	.. SWITCH, Steering toggle . . . . .	1	1				
13	79Z2400D8	.. SWITCH, Head & park light toggle . . . . .	1	1				
14	1079Z1510	.. SWITCH, Wiper control. . . . .	1	1				
15	27Z670	.. LIGHTER, Cigar . . . . .	1	1				
16	56Z240D2	.. KIT, Gauge lighting . . . . .	2	2				
17	79Q597	.. HARNESS, Sw. & gauge panel wiring. . . . .	1	1				
18	89Z453D2	.. SONALERT . . . . .	1	1				
19		.. SCREW, Slot. truss. hd. #8—32UNC x 1/2" . . . . .	10	10				
20		.. SCREW, Hex hd, cap 1/4"—20UNC x 1/2" . . . . .	8	8				
21		.. WASHER, Lock 1/4" . . . . .	8	8				
22	79Q506	.. QUADRANT, Gear shift (Page 12.1) . . . . .	1	1				
23	31J3	.. SHELL, Console . . . . .	1	1				
24	36Q203D1	.. VALVE & HANDLE, Throttle . . . . .	1	1				
25	979P94F1	.. PANEL, Outrigger switch . . . . .	—	1				
25	979P93F1	.. PANEL, Outrigger switch . . . . .	1	—				
26	79Z2400D9	.. SWITCH, Outrigger toggle . . . . .	8	8				
27	79Q409	.. HARNESS, Switch wiring . . . . .	1	1				
28	79Z2400D1	.. SWITCH, Outrigger master toggle . . . . .	1	1				
29	44Z1723D6	.. ELBOW, 90° . . . . .	2	2				
30	20Z1411D2	.. TUBE, Nylon 1/4" . . . . .	AR	AR				
31	79R54	.. HARNESS, Side control wiring . . . . .	1	1				
32	89Z421	.. LEVEL, Machine. . . . .	1	1				
33	44Z209D1	.. COUPLING . . . . .	1	1				
34	44Z1813D7	.. CONNECTOR. . . . .	1	1				
35	20F57D1	.. GROMMET . . . . .	1	1				

NOTE

All individual wires, leads & jumpers should be fabricated locally.

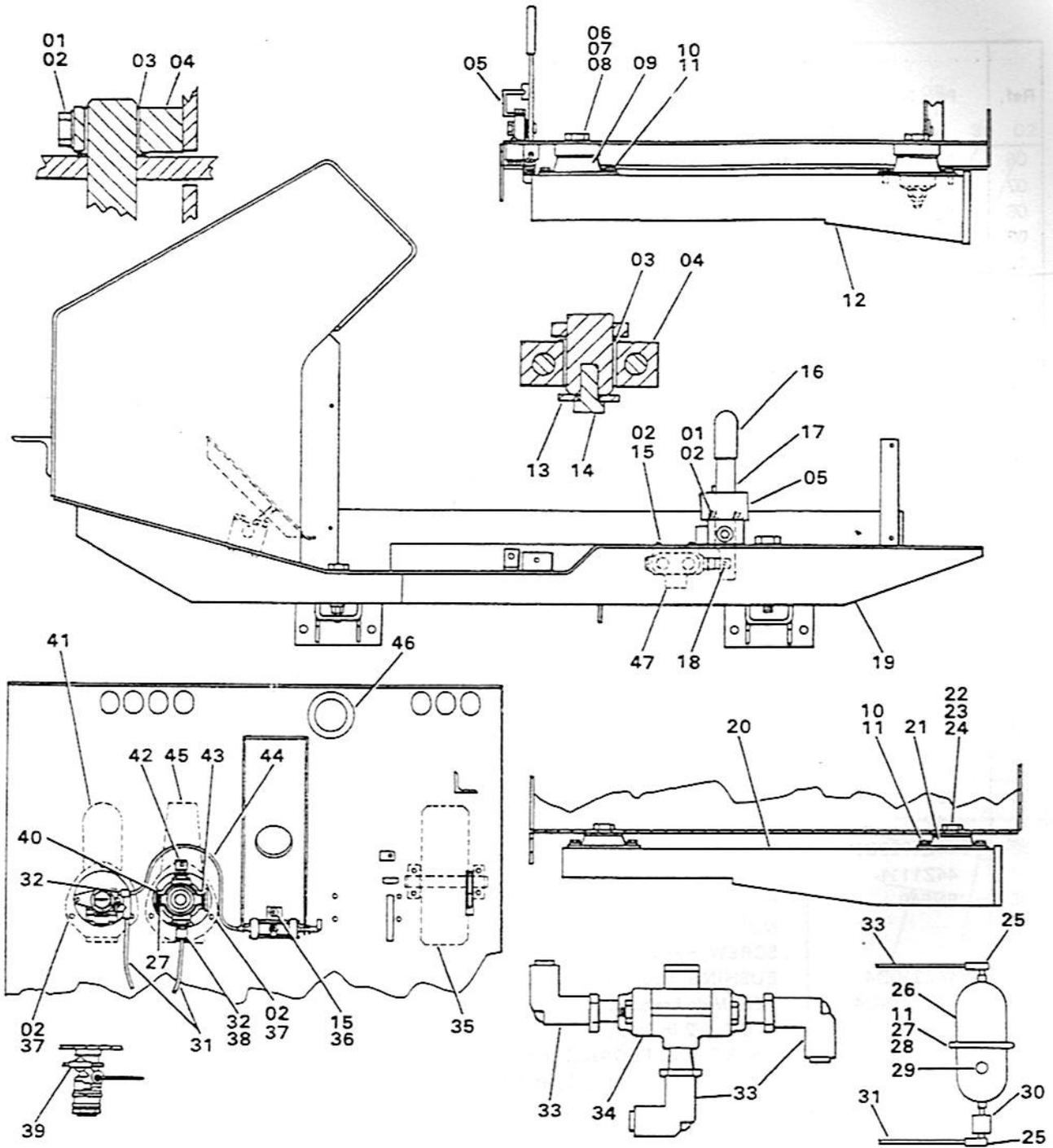
# SHIFT QUADRANT



### SHIFT QUADRANT (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
-	79Q506	SHIFT QUADRANT	Y			
01	1029Z14	. QUADRANT, Cast. . . . .	1			
02	1018Z4319	. PLATE, Switch mounting . . . . .	1			
03		. SCREW, Oval hd. #10-32UNF x 1/2 in. . . . .	4			
04		. NUT, Hex #10-32UNF . . . . .	4			
05	1079Z1474 X	. SWITCH, 1-2-3 & R-N-F . . . . .	2			
06	1025Z1602	. BEARING, Switch drive . . . . .	2			
07	1025Z1601	. BLOCK, Pillow . . . . .	2			
08	1006Z566	. LEVER, Spring . . . . .	2			
09	1006Z567	. HANDLE, Spring lever . . . . .	2			
10		. WASHER, Internal star lock #10 . . . . .	4			
11		. SCREW, Rd. hd. #10-32UNF x 1/2 in. . . . .	4			
12		. SCREW, Rd. hd. #6-32UNC x 5/8 in. . . . .	4			
13		. SCREW, Rd. hd. #6-32UNC x 3/4 in. . . . .	4			
14		. NUT, Lock #6-32UNC . . . . .	8			

### CAB BASE ASSEMBLY

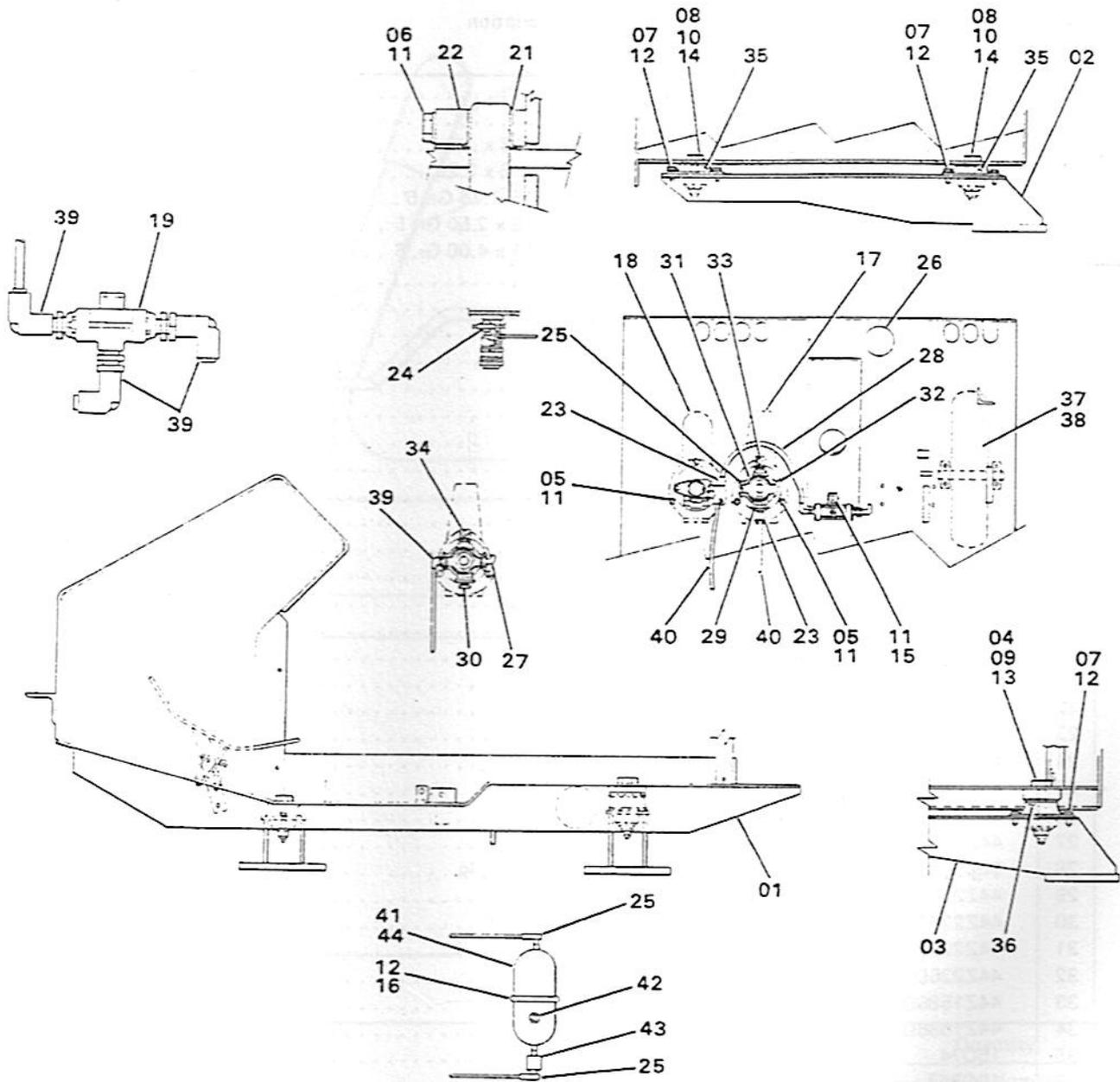


Ref.	Part Number	Description	Quantity			
			Figure Number			
-	916J69-2	CAB BASE ASSEMBLY	2			
01		. SCREW, Hex hd. cap 5/16-18UNC x 2-1/4 in.	6			
02		. WASHER, Lock 5/16 in.	15			
03	5Z239D5	. BEARING	3			
04	25T1119	. BLOCK, Bearing	3			
05	16T7266	. BRACKET	1			

CAB BASE ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			2			
06	20Z646D104	. SCREW, Hex hd. cap 5/8-11UNC x 4 in. Gr. 5 . . . . .	2			
07	18Z694D7	. WASHER, Hardened flat 5/8 in. . . . .	2			
08	20Z716D17	. NUT, Hex lock 5/8-11UNC . . . . .	2			
09	16Q75	. CUSHION, Rear . . . . .	2			
10	20Z646D46	. SCREW, Hex hd. cap 3/8-16UNC x 3/4 in. Gr. 5 . . . . .	8			
11		. WASHER, Lock 3/8 in. . . . .	6			
12	16N2400	. BEAM, Rear cab support. . . . .	1			
13	18H3892D503	. WASHER. . . . .	1			
14		. SCREW, Hex hd. cap 5/16-18UNC x 1/2 in. . . . .	1			
15		. SCREW, Hex hd. cap 5/16-18UNC x 1-1/2 in. . . . .	2			
16	6Z607	. GRIP, Lever . . . . .	1			
17	6P2666	. LEVER, Swing brake . . . . .	1			
18	6Z117D3	. PIN, Lever . . . . .	1			
19	16J996	. BASE, Cab. . . . .	1			
20	16N2399	. BEAM, Front cab support. . . . .	1			
21	16Q74	. CUSHION, Front . . . . .	2			
22	20Z646D80	. SCREW, Hex hd. cap 1/2-13UNC x 2-1/2 in. Gr. 5 . . . . .	2			
23	18Z694D6	. WASHER, Hardened flat 1/2 in. . . . .	2			
24	20Z716D13	. NUT, Hex lock 1/2-13UNC . . . . .	2			
25	44Z1723D7	. ELBOW, 90° male . . . . .	3			
26	27Z558	. TANK, Air. . . . .	1			
27		. NUT, Hex 3/8-16UNC. . . . .	2			
28	20Q3D8	. U-BOLT. . . . .	1			
29	36Z8	. COCK, Drain . . . . .	1			
30	36Z872	. VALVE, Check . . . . .	1			
31	20Z1411D2	. TUBE, Nylon 1/4 in. O.D. x 32 in. lg. . . . .	AR			
32	44Z1723D6	. ELBOW, 90° male . . . . .	1			
33	44Z1723D8	. ELBOW, 90° male . . . . .	3			
34	44Z1111	. VALVE, Double check . . . . .	1			
35	6N549	. PEDAL, Hoist . . . . .	1			
36		. NUT, Hex 5/16-18UNC. . . . .	1			
37		. SCREW, Hex hd. cap 5/16-18UNC x 3/4 in. . . . .	6			
38	44Z210D4	. BUSHING, Reducer 1/2 x 1/8 in. . . . .	1			
39	44Z1724D4	. TEE, Male branch . . . . .	1			
40	44Z226D4	. PLUG, 1/2 in. . . . .	3			
41	36Q176D1	. VALVE AND PEDAL, Throttle . . . . .	1			
-	1080Z361	. . . PEDAL ASSEMBLY, Operator's. . . . .	1			
-	1036Z748	. . . VALVE . . . . .	1			
-	1045Z1447	. . . KIT, Valve seal . . . . .	1			
42	44Z1586D13	. CONNECTOR. . . . .	2			
43	44Z226D2	. PLUG, 1/4 in. . . . .	1			
44	20Z1411D2	. TUBE, Nylon 1/4 in. O.D. x 12 in. lg. . . . .	2			
45	36Z225	. VALVE AND PEDAL, Brake. . . . .	1			
46	20Z1436	. CHANNEL, Rubber . . . . .	1			
47	36Z1227	. VALVE, Swing brake . . . . .	1			
-	1145Z11	. . . KIT, Valve seal . . . . .	1			

# BASE ASSEMBLY, CAB

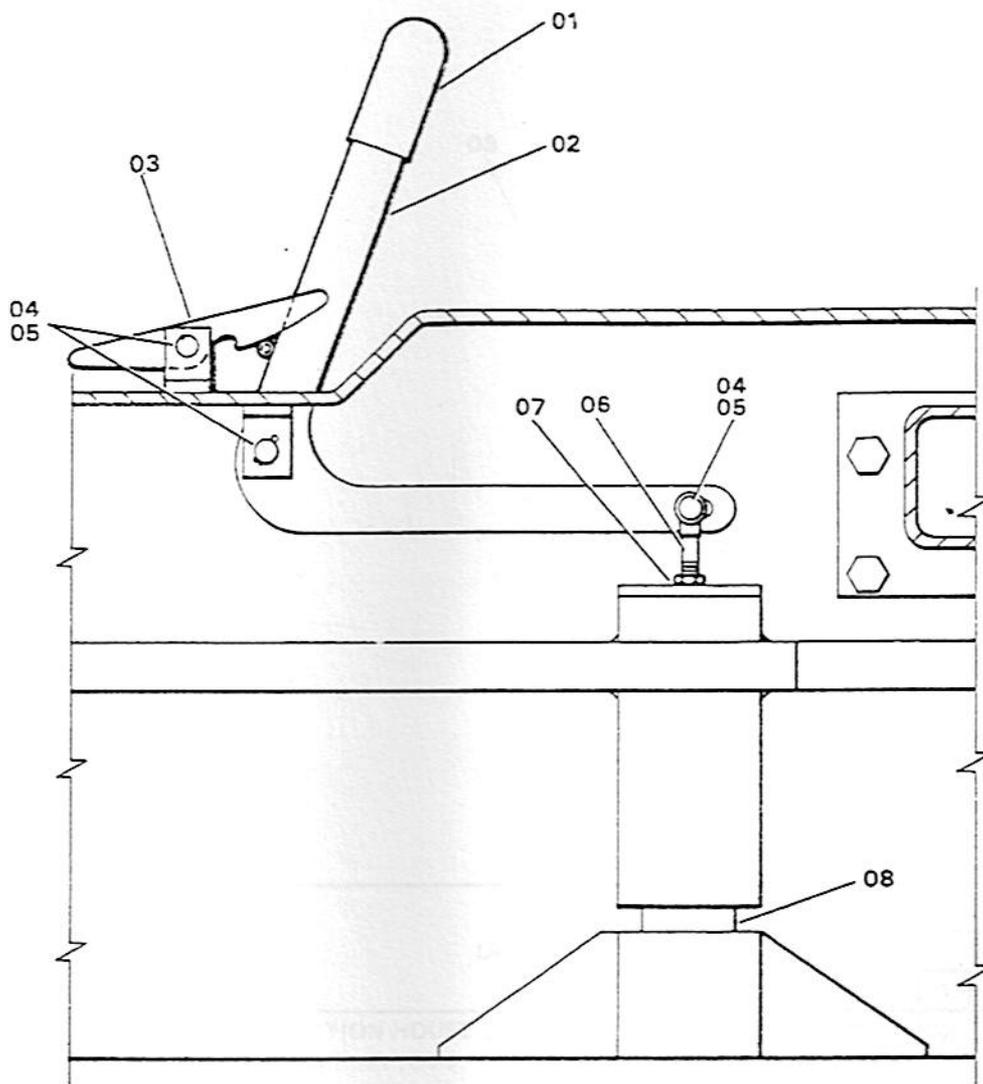


Ref.	Part Number	Description	Quantity	
			Figure Number	
			1	2
-	916J79-1	BASE ASSY., CAB - (DEUTZ)	1	2
-	916J79-2	BASE ASSY., CAB - (ENPI)	1	2
01	16J1051	. BASE, Weld	1	-
01	16P5342	. BASE, Weld	-	1
02	16N2399	. BEAM, Weld. frt. cab supp.	1	1

BASE ASSEMBLY, CAB (Continued)

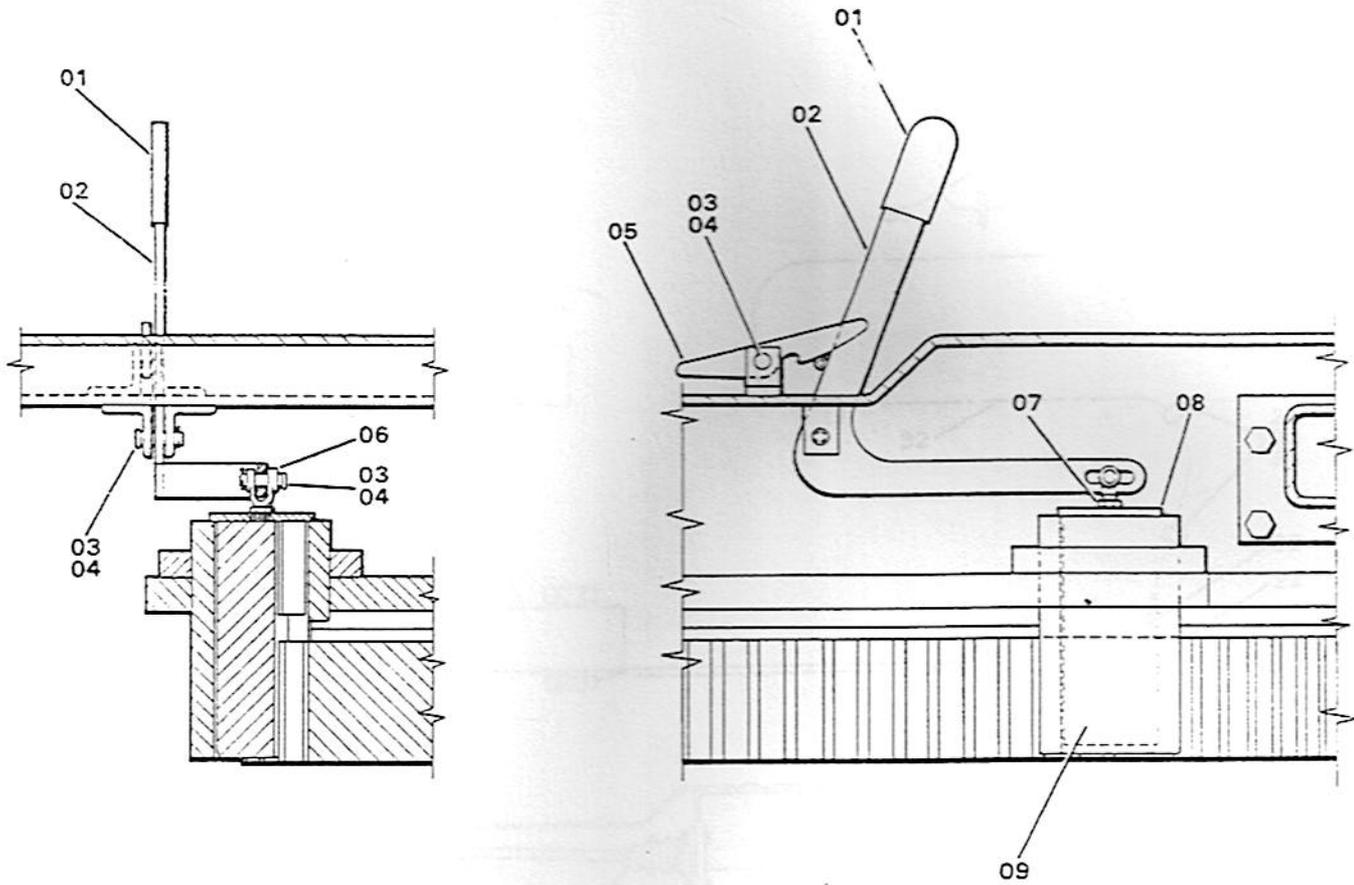
Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	2		
03	16N2400	. BEAM, Weld. rear cab supp. . . . .	1	1		
04	18Z694D7	. WASHER, Hard. 5/8 in. . . . .	2	2		
05	20Z646D21	. SCREW, Hex hd. cap 5/16 in. -18 x .75 . . . . .	6	6		
06	20Z646D28	. SCREW, Hex hd. cap 5/16 in. -18 x 2.25 . . . . .	4	4		
07	20Z646D46	. SCREW, Hex hd. cap 3/8 in. -16 x .75 Gr. 5 . . . . .	8	8		
08	20Z646D80	. SCREW, Hex hd. cap 1/2 in. -13 x 2.50 Gr. 5 . . . . .	2	2		
09	20Z646D104	. SCREW, Hex hd. cap 5/8 in. -11 x 4.00 Gr. 5 . . . . .	2	2		
10	18Z694D6	. WASHER, Hard. 1/2 in. . . . .	2	2		
11		. WASHER, Lock 5/16 in. . . . .	11	11		
12		. WASHER, Lock 3/8 in. . . . .	8	8		
13	20Z716D17	. NUT, Lock 5/8 in. -11. . . . .	2	2		
14	20Z716D13	. NUT, Lock 1/2 in. -13. . . . .	2	2		
15		. NUT, 5/16 in. -18. . . . .	1	1		
16		. NUT, Hex 3/8 in. -16 . . . . .	2	2		
17	36Z225	. VALVE, Brake pedal . . . . .	1	-		
17	36U96	. VALVE, Brake pedal . . . . .	-	1		
18	36Q176D1	. PEDAL, Throttle. . . . .	1	1		
-	1080Z361	. . PEDAL ASSY., Operator's. . . . .	1	1		
-	1036Z748	. . VALVE. . . . .	1	1		
-	1045Z1447	. . . KIT, Valve seal . . . . .	1	1		
19	44Z1111	. VALVE, Double check . . . . .	1	1		
20	44Z1813D7	. CONNECTOR, Male - not shown. . . . .	2	2		
21	5Z239D5	. BEARING . . . . .	2	2		
22	25T1119	. BLOCK, Bearing . . . . .	2	2		
23	44Z1723D6	. ELBOW, Male 90° . . . . .	2	1		
24	44Z1724D4	. TEE, Male branch . . . . .	1	1		
25	44Z1723D7	. ELBOW, Male . . . . .	3	3		
26	20Z1436	. CHANNEL, Rubber. . . . .	1	1		
27	44Z1587D16	. ELBOW, 90° 3/8 NPT x 5/8 in. O.D. . . . .	-	2		
28	20Z1411D2	. TUBING, Nylon 1/4 in. dia. x 12 in. lg. . . . .	2	2		
29	44Z210D4	. BUSHING, 1/2 - 1/8. . . . .	1	-		
30	44Z226D3	. PLUG, 3/8 in. . . . .	-	2		
31	44Z226D4	. PLUG, 1/2 in. . . . .	3	-		
32	44Z226D2	. PLUG, 1/4 in. . . . .	1	-		
33	44Z1586D13	. CONNECTOR, 1/2 NPT x 5/8 O.D. . . . .	2	-		
34	44Z1586D7	. CONNECTOR, 3/8 NPT x 3/8 O.D. . . . .	-	2		
35	16Q74	. CUSHION, Front. . . . .	2	2		
36	16Q75	. CUSHION, Rear . . . . .	2	2		
37	6N549	. PEDAL, Hoist. . . . .	-	1		
38	6N554	. PEDAL, Hoist. . . . .	1	-		
39	44Z1723D8	. ELBOW, Male 90° . . . . .	3	5		
40	20Z1411D2	. TUBING, Nylon 1/4 in. dia. x 32 in. lg. . . . .	2	2		
41	27Z558	. TANK. . . . .	1	1		
42	36Z8	. DRAIN . . . . .	1	1		
43	36Z872	. VALVE, Check. . . . .	1	1		
44	20Q3D8	. BOLT-U. . . . .	1	1		

## TWO POSITION HOUSE LOCK ASSEMBLY



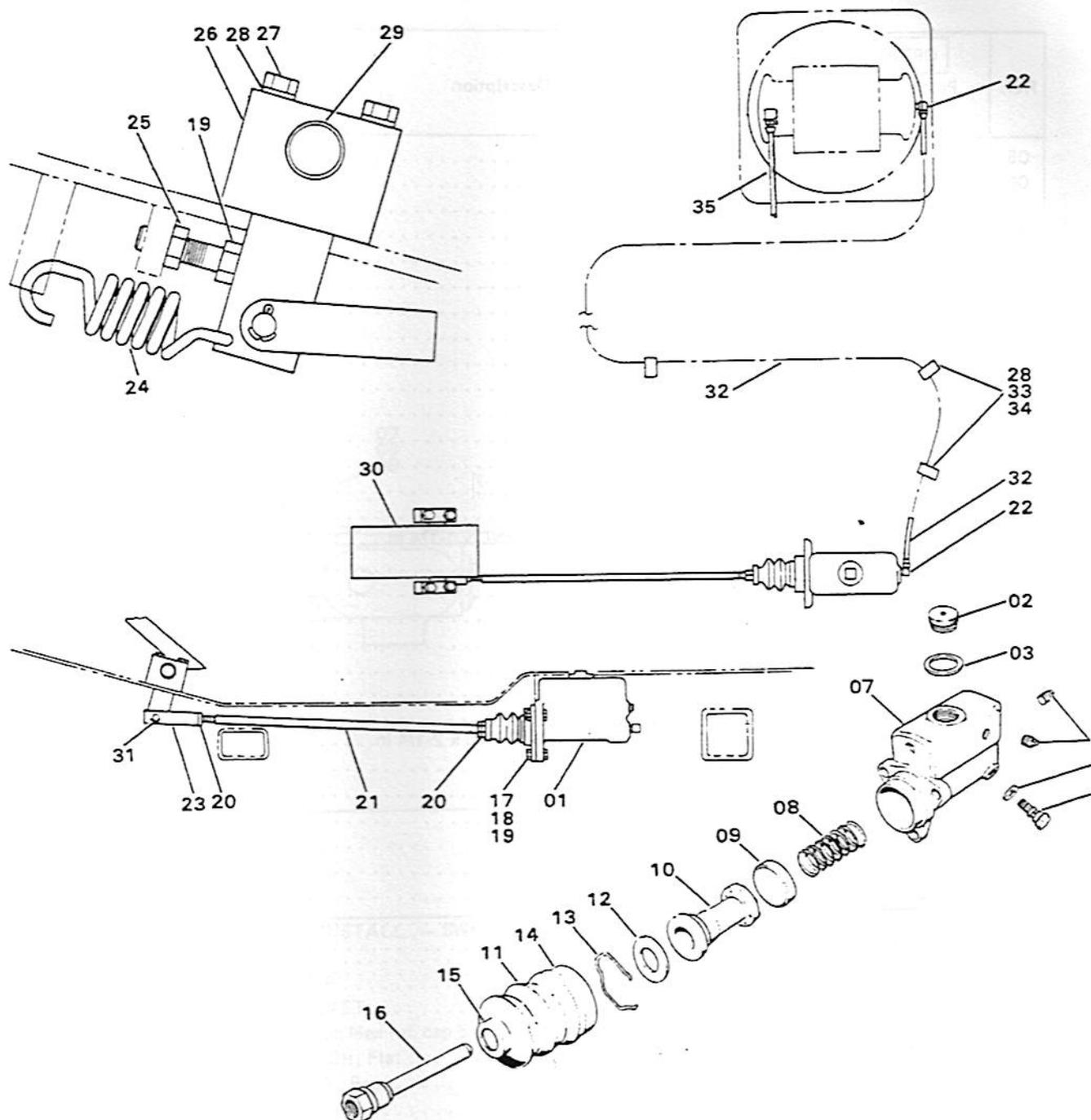
Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
-	921J4-1	TWO POSITION HOUSE LOCK ASSEMBLY	1				
01	6Z607	. GRIP, Lever . . . . .	1				
02	6P2621	. LEVER, Control . . . . .	1				
03	6T2737	. LATCH, Lever lock . . . . .	1				
04	19Z148D6	. PIN, Clevis . . . . .	3				
05		. PIN, Cotter 5/32 x 3/4 in. lg. . . . .	3				
06	6Z206D6	. YOKE . . . . .	1				
07	20Z716D8	. NUT, Lock . . . . .	1				
08	19T6194	. PIN, House lock . . . . .	1				

## MULTI-POSITION HOUSE LOCK ASSEMBLY



Ref.	OPTION		Description	Quantity			
	Part Number			Figure Number			
-	921J5-1		MULTI-POSITION HOUSE LOCK ASSEMBLY	1			
01	6Z607		. GRIP, Lever	1			
02	6P2725		. LEVER, Control	1			
03	19Z148D6		. PIN, Clevis	3			
04			. PIN, Cotter 5/32 x 3/4 in. lg.	3			
05	6T2737		. LATCH, Lever	1			
06	6Z206D6		. YOKE, Pin	1			
07	20Z716D8		. NUT, Lock	1			
08	18T12644		. WASHER, Pin	1			
09	19P628		. PIN, House lock	1			

## SWING BRAKE FOOT CONTROL ASSEMBLY

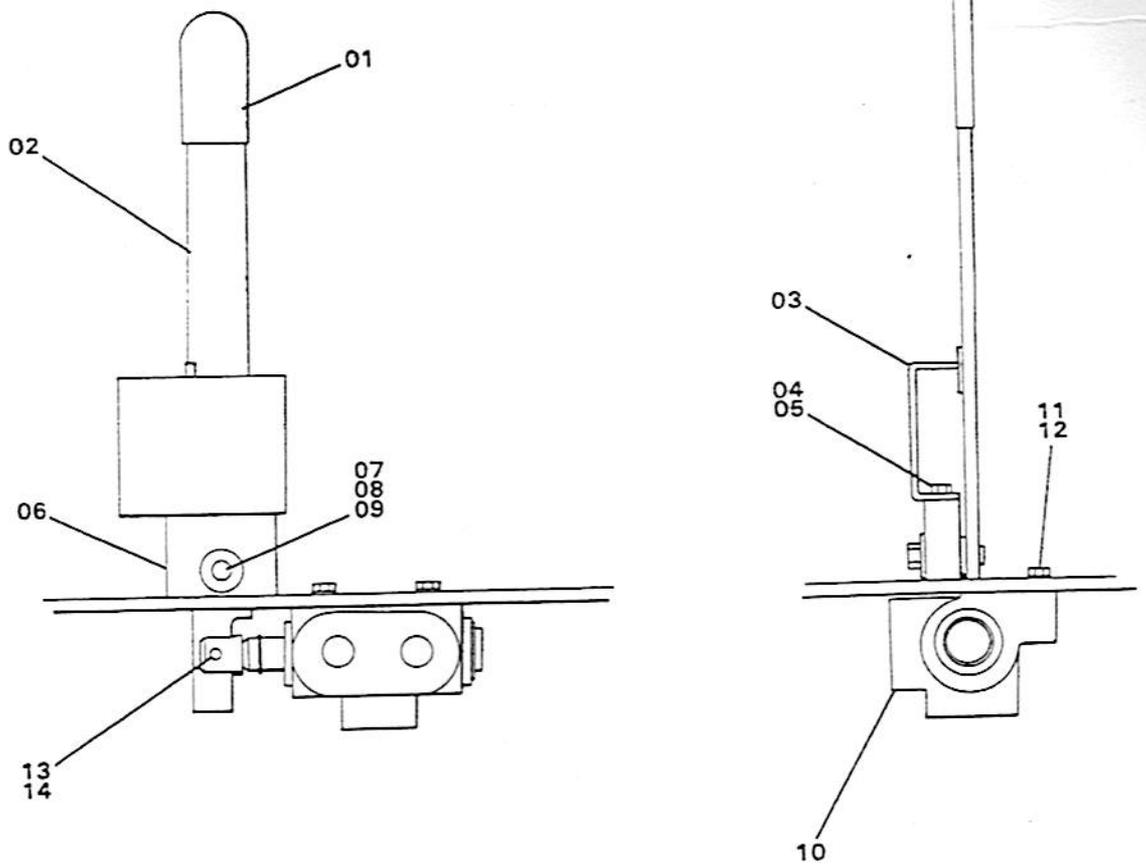


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	921J6-1	SWING BRAKE FOOT CONTROL ASSEMBLY	1			
01	38U57D2	. CYLINDER ASSY., Brake. ....	1			
02	14Z23	.. CAP .....	1			
-	38U57D1	.. CYLINDER, Brake. ....	1			
03	18Z404	... WASHER .....	1			
04		... PLUG, Pipe 1/8 in. ....	2			

SWING BRAKE FOOT CONTROL ASSEMBLY (Continued)

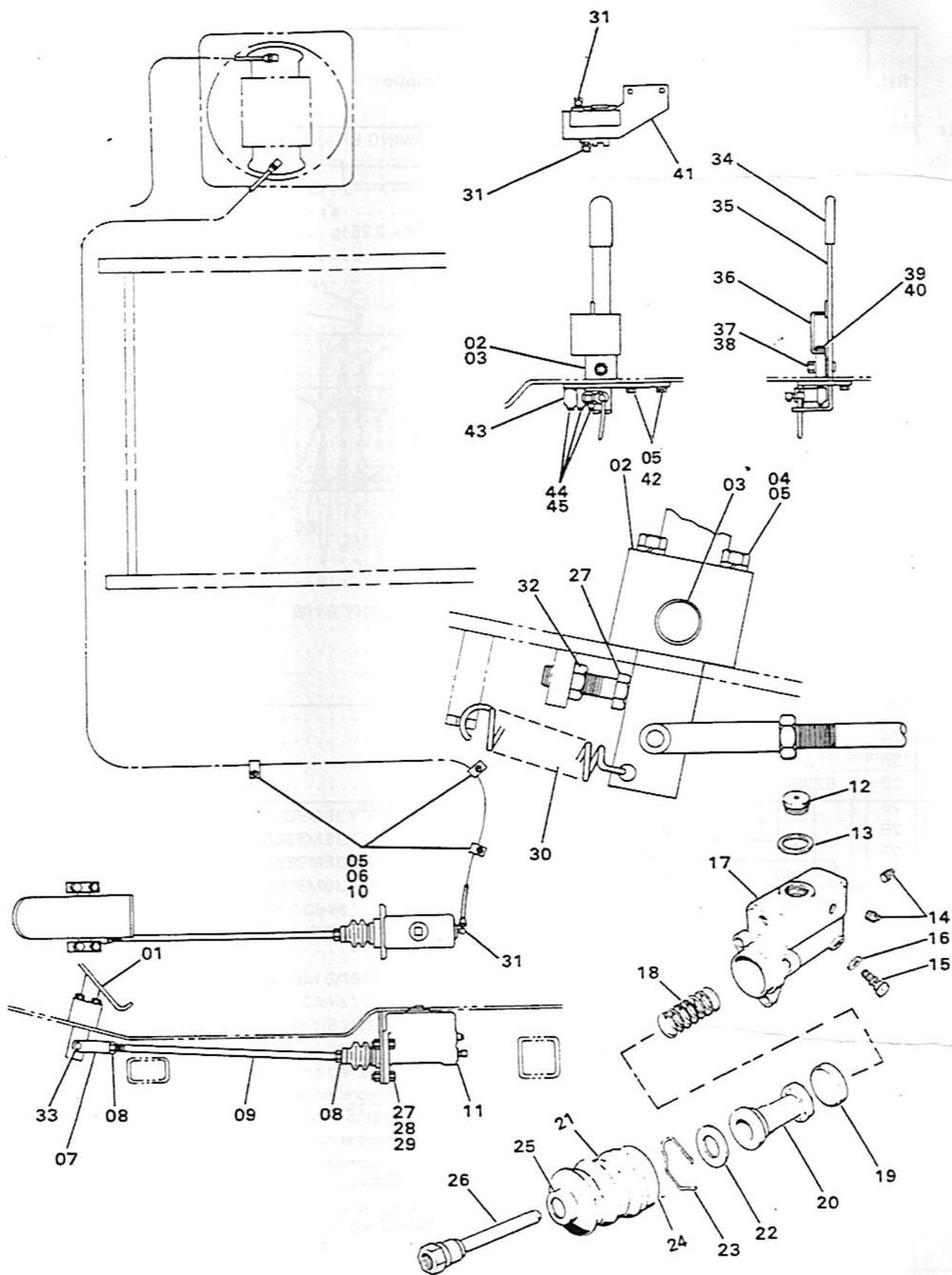
Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			1				
05	20Z87	... SCREW .....	2				
06	20Z84	... GASKET .....	2				
07	45Z323	... BODY .....	1				
08	17Z385	... SPRING .....	1				
-	1045Z672	... KIT, Service .....	1				
09		... CUP .....	1				
10		... PISTON ASSY. ....	1				
11	45Z324	... BOOT .....	1				
12	18Z1321	... WASHER, Piston stop .....	1				
13	39Z42	... WIRE, Piston stop .....	1				
14	18Z1319	... RETAINER, Boot .....	1				
15	18Z1320	... RETAINER, Boot .....	1				
16	6Z392	.. ROD, Push .....	1				
17		. NUT, Hex 3/8-16UNC. ....	3				
18		. WASHER, Lock 3/8 in. ....	3				
19		. SCREW, Hex hd. cap 3/8-16UNC x 1-1/4 in. ....	4				
20		. NUT, Hex jam 7/16-20UNF. ....	2				
21	6T2731	. ROD, Control .....	1				
22	44Z591D8	. FITTING 90° .....	2				
23	6Z131D5	. CLEVIS .....	1				
24	17T297	. SPRING, Return .....	1				
25		. NUT, Hex jam 3/8-16UNC. ....	1				
26	25T1119	. BLOCK, Bearing .....	2				
27		. SCREW, Hex hd. cap 5/16-18UNC x 2-1/4 in. ....	4				
28		. WASHER, Lock 5/16 in. ....	7				
29	5Z239D5	. BEARING .....	2				
30	6N548	. PEDAL .....	1				
31	919T117F5	. PIN ASSEMBLY .....	1				
-		.. PIN COTTER, 3/32 in. x 3/4 in. ....	1				
32	44Q514D8	. HOSE ASSY. ....	1				
33		. NUT, Hex 5/16-18UNC. ....	3				
34	32Z1083D5	. CLAMP, Hose .....	3				
35	44Q514D7	. HOSE .....	1				

## LOCK INSTALLATION – SWING BRAKE



Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
—	921N11-1	LOCK INSTALL., – SWING BRAKE	1			
01	6Z607	. GRIP . . . . .	1			
02	6P2693	. LEVER . . . . .	1			
03	16T7266	. BRACKET . . . . .	1			
04	20Z646D30	. SCREW, Hex hd. cap 5/16 in. –18 x 2.75 . . . . .	2			
05		. WASHER, Flat . . . . .	2			
06	25T1119	. BLOCK, Brg. . . . .	1			
07	5Z239D5	. BEARING . . . . .	1			
08	20Z646D507	. SCREW, Hex hd. cap 5/16 in. –18 x .50 . . . . .	1			
09	18H3892D503	. WASHER, Flat . . . . .	1			
10	36Z1227	. VALVE . . . . .	1			
—	1145Z11	. . KIT . . . . .	1			
11	20Z646D25	. SCREW, Hex hd. cap 5/16 in. –18 x 1.50 . . . . .	2			
12		. WASHER, Lock 5/16 in. . . . .	2			
13	6Z117D3	. PIN . . . . .	1			
14		. PIN, Cotter . . . . .	1			

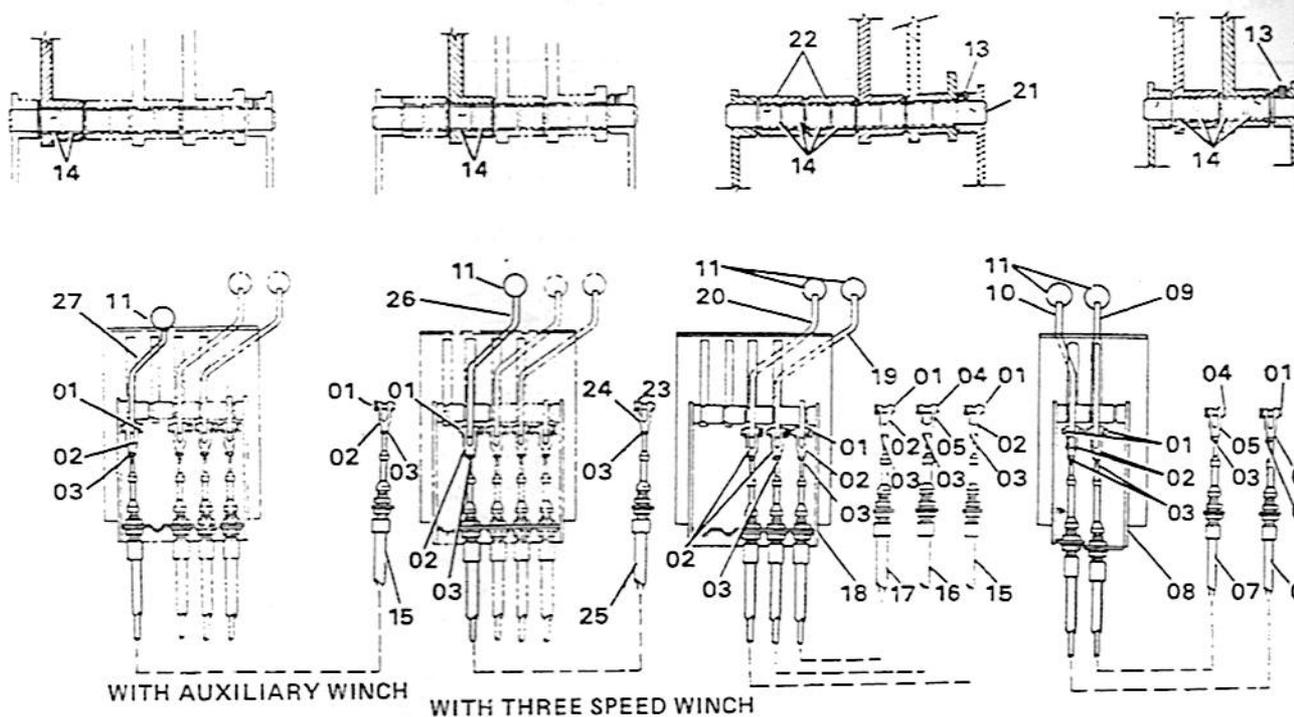
# PEDAL AND LEVER INSTALLATION – SWING BRAKE



PEDAL AND LEVER INSTALLATION – SWING BRAKE (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
—	921J16-1	PEDAL & LEVER INSTALL. – SWING BRAKE	1			
01	6N548	. PEDAL, Weld.	1			
02	25T1119	. BLOCK, Brg.	3			
03	5Z239D5	. BEARING	3			
04		. SCREW, Hex hd. cap 5/16 in.—18 x 2.25 lg.	4			
05		. WASHER, Lock 5/16 in.	9			
06		. NUT, 5/16 in.—18.	3			
07	6Z131D5	. CLEVIS.	1			
08		. NUT, Jam 7/16 in.—20.	2			
09	6T2731	. ROD, Control.	1			
10	32Z1083D5	. CLAMP, Hose	3			
11	38U57D2	. CYLINDER, Master	1			
12	14Z23	. . CAP	1			
—	38U57D1	. . CYLINDER, Brake.	1			
13	18Z404	. . WASHER	1			
14		. . PLUG, Pipe 1/8 in.	2			
15	20Z87	. . SCREW	2			
16	20Z84	. . GASKET	2			
17	45Z323	. . BODY	1			
18	17Z385	. . SPRING	1			
—	1045Z672	. . KIT, Service	1			
19		. . CUP.	1			
20		. . PISTON ASSY.	1			
21	45Z324	. . BOOT	1			
22	18Z1321	. . WASHER, Piston stop.	1			
23	39Z42	. . WIRE, Piston stop	1			
24	18Z1319	. . RETAINER, Boot	1			
25	18Z1320	. . RETAINER, Boot	1			
26	6Z392	. . ROD, Push	1			
27		. SCREW, Hex hd. cap 3/8 in.—16 x 1.25.	4			
28		. WASHER, Lock 3/8 in.	3			
29		. NUT, 3/8 in.—16.	3			
30	17T297	. SPRING.	1			
31	44Z591D8	. FITTING, 90°.	3			
32		. NUT, Jam 3/8 in.—16.	1			
33	919T117F5	. PIN ASSY.	1			
—		. . PIN, Cotter, 3/32 x 3/4 in.	1			
34	6Z607	. GRIP.	1			
35	6P2724	. LEVER	1			
36	16T7764	. BRACKET	1			
37	20Z646D507	. SCREW, Hex hd. cap 5/16 in.—18 x .50.	1			
38	18H3892D503	. WASHER, Flat	1			
39	20Z646D30	. SCREW, Hex hd. cap 5/16 in.—18 x 2.75.	2			
40		. WASHER, Flat 5/16 in.	2			
41	16T7763	. BRACKET	1			
42	20Z646D508	. SCREW, Hex hd. cap 5/16—18 x .625.	2			
43	36Z948	. VALVE, Check—lever operated	1			
44		. SCREW, Rd. hd. mach. #10—24UNC x 1.75.	3			
45		. WASHER, Lock #10	3			

## CONTROL LEVER ASSEMBLIES

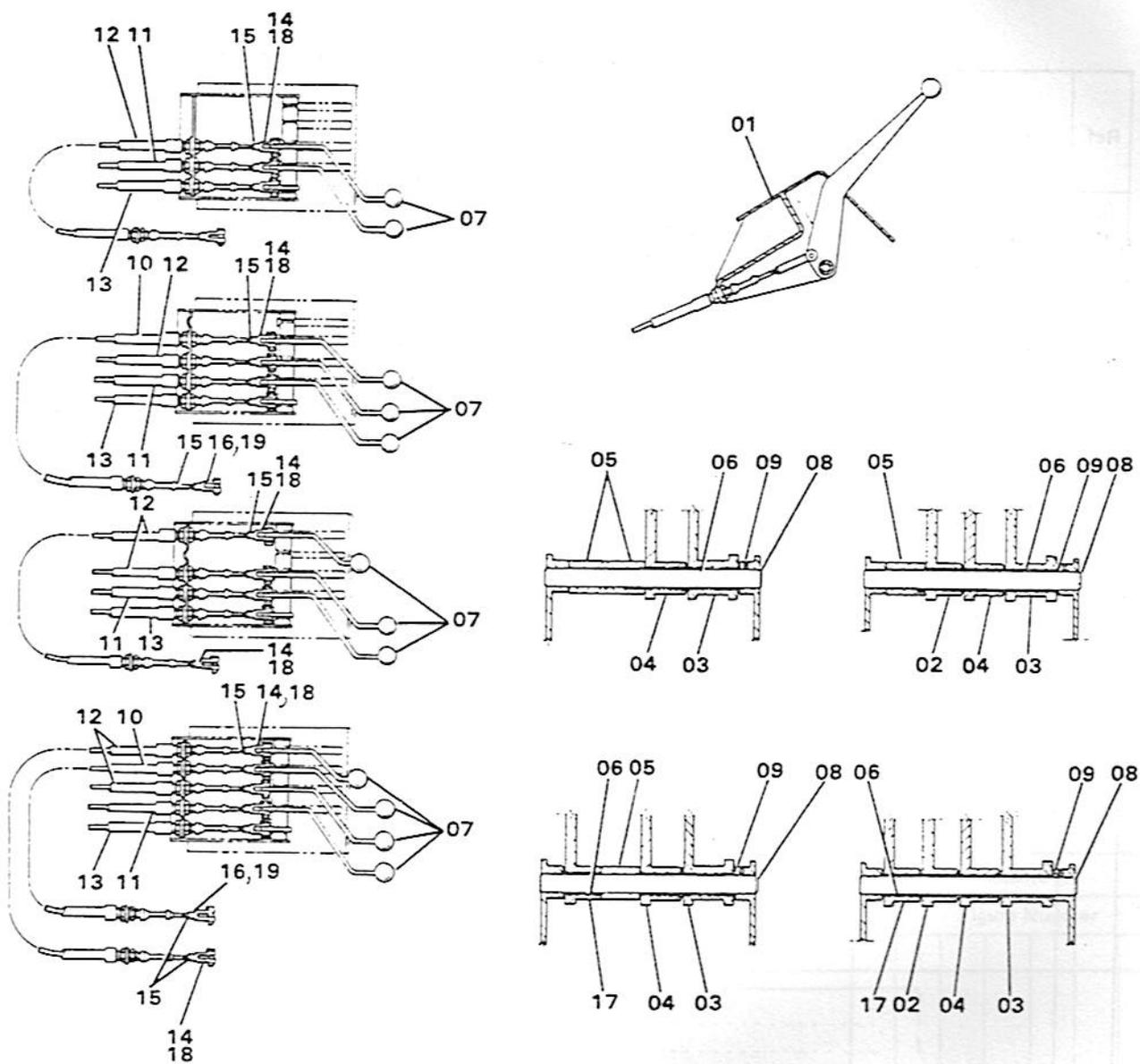


Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	1	1	2
-	906N44-1	LEVER ASSEMBLY - SWING AND TELESCOPE CONTROL				
-	906N45-1	LEVER ASSEMBLY - MAIN WINCH AND HOIST CONTROL				
-	906N46-1	LEVER ASSEMBLY - THREE SPEED WINCH CONTROL				
-	906N46-2	LEVER ASSEMBLY - AUXILIARY WINCH CONTROL				
01	919T117-4	. PIN ASSY., Clevis	3	5	1	2
-		.. PIN, Cotter 3/32 x 5/8 in. lg.	1	1	1	1
02	6Z131D14	. CLEVIS.	3	5	1	2
03		. NUT, Hex jam 5/16-24UNF.	4	6	2	2
04	919T117-6	. PIN ASSY., Clevis	1	1	-	-
-		.. PIN, Cotter 1/8 x 7/8 in. lg.	1	1	-	-
05	6Z131D15	. CLEVIS.	1	1	-	-
06	6Q156D9	. CABLE, Swing control	1	-	-	-
07	6Q156D3	. CABLE, Telescope control	1	-	-	-
08	16N2523	. BRACKET, Control lever	1	-	-	-
09	6P2623	. LEVER, Telescope control	1	-	-	-
10	6P2603	. LEVER, Swing control	1	-	-	-
11	6Z623	. KNOB, Control lever	2	2	1	1
12	10T1426D3	. SHAFT, Telescope and swing lever	1	-	-	-
13		. SCREW, Set 1/4-20UNC x 1/4 in.	1	1	-	-
14	5Z239D5	. BUSHING, Nylon	4	8	2	2

### CONTROL LEVER ASSEMBLIES (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	1	1	2
15	6Q156D8	. CABLE, Main and aux. winch control . . . . .	-	1	-	1
16	6Q156D6	. CABLE, Hoist control . . . . .	-	1	-	-
17	6Q156D7	. CABLE, Hoist foot control . . . . .	-	1	-	-
18	16N2427	. BRACKET, Control lever . . . . .	-	1	-	-
19	6P2625	. LEVER, Hoist control . . . . .	-	1	-	-
20	6P2627	. LEVER, Medium winch control . . . . .	-	1	-	-
21	10T1426D4	. SHAFT, Winch and hoist lever . . . . .	-	1	-	-
22	18T13032	. SPACER, Lever . . . . .	-	2	-	-
23	919T117-3	. PIN ASSY., Clevis . . . . .	-	-	1	-
-		. . PIN, Cotter 3/32 x 1/2 in. lg. . . . .	-	-	1	-
24	6Z131D3	. CLEVIS . . . . .	-	-	1	-
25	6Q156D2	. CABLE, Slow winch control . . . . .	-	-	1	-
26	6P2629	. LEVER, Slow winch control . . . . .	-	-	1	-
27	6P2631	. LEVER, Auxiliary winch control . . . . .	-	-	-	1

### CONTROL LEVER ASSEMBLY

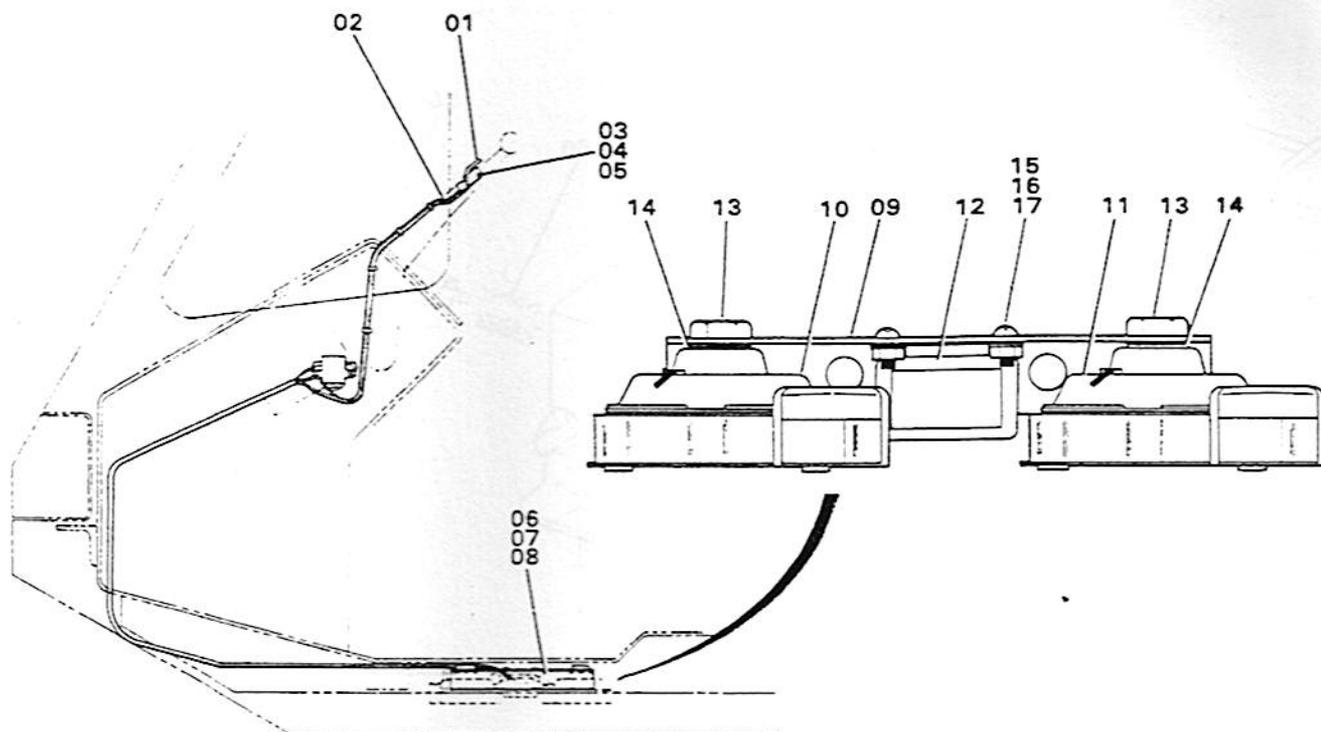


Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	2	4	
-	906J41-1	LEVER ASSEMBLY, MEDIUM WINCH - BOOM HOIST				
-	906J41-2	LEVER ASSEMBLY, THREE SPEED WINCH				
-	906J41-4	LEVER ASSEMBLY, THREE SPEED & AUX. WINCH				
01	16N2522	. BRACKET, Control				
02	6P2629	. WELDMENT, Lever - slow winch	1	1	1	
03	6P2625	. WELDMENT, Lever - hoist.	-	1	1	
04	6P2627	. WELDMENT, Lever - medium winch	1	1	1	
05	18T13947	. SPACER	2	1	-	
06	5Z239D5	. BUSHING, Nylon	4	6	8	
07	6Z623	. KNOB	2	3	4	

### CONTROL LEVER ASSEMBLY (Continued)

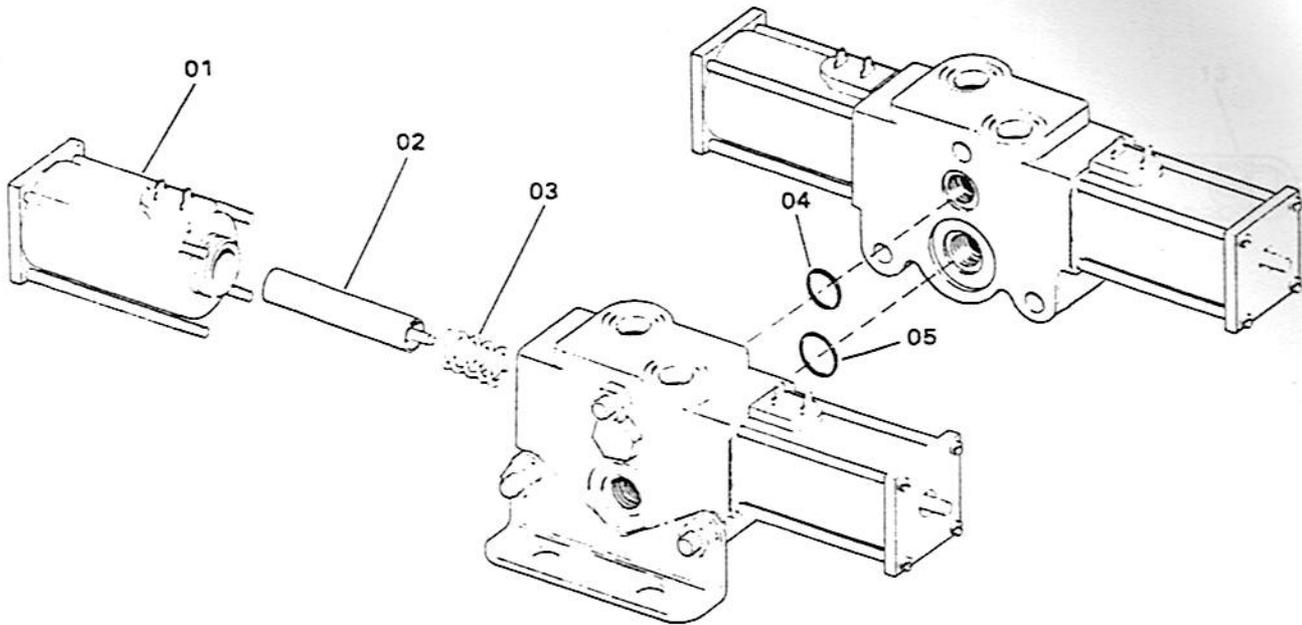
Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	2	4	
08	10T1426D4	. SHAFT . . . . .	1	1	1	
09		. SCREW, Set 1/4 in.—20 x 1/4 in. . . . .	1	1	1	
10	6Q156D2	. CABLE, Control — slow 100 in . . . . .	—	1	1	
11	6Q156D6	. CABLE, Control — hoist valve 140 in . . . . .	1	1	1	
12	6Q156D8	. CABLE, Control — winch 112 in. . . . .	1	1	2	
13	6Q156D20	. CABLE, Control — hoist pedal 60 in . . . . .	1	1	1	
14	6Z131D14	. CLEVIS. . . . .	3	4	6	
15		. NUT, 5/16—24UNF. . . . .	3	5	7	
16	6Z131D3	. CLEVIS. . . . .	—	1	1	
17	6P2631	. WELDMENT, Lever — auxiliary winch. . . . .	—	—	1	
18	919T117F4	. PIN ASSY. . . . .	3	4	6	
—		.. PIN, Cotter 3/32 x 5/8 in. lg . . . . .	1	1	1	
19	919T117F3	. PIN ASSY. . . . .	—	1	1	
—		.. PIN, Cotter 3/32 x 1/2 in. lg . . . . .	—	1	1	

## ELECTRIC HORN INSTALLATION



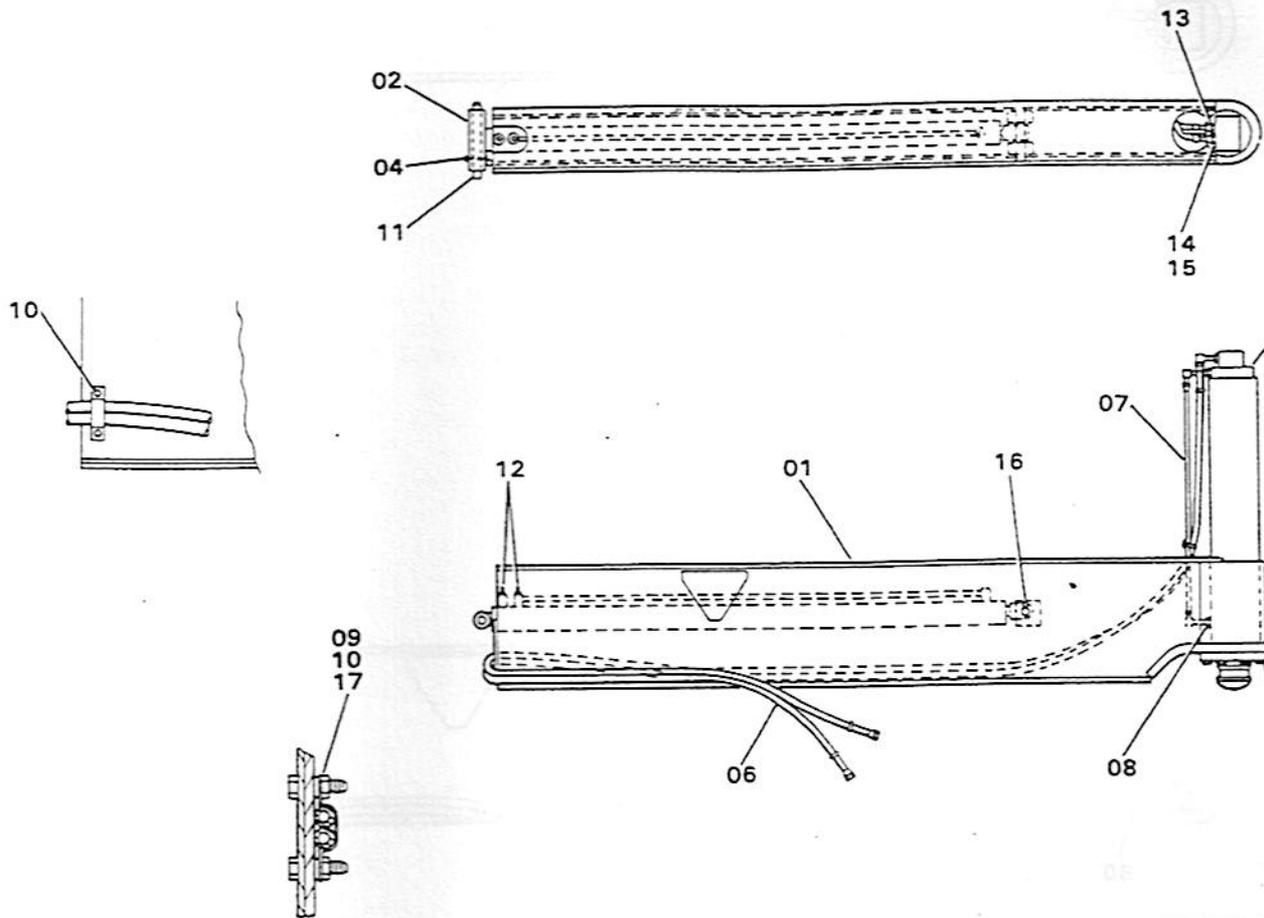
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
-	947N4-1	ELECTRIC HORN INSTALLATION	1			
01	79Z2962	.. SWITCH, Horn .....	1			
02	79Q583	.. HARNESS, Wire .....	1			
03		.. SCREW, Rd. hd. mach. #4-40 x 1.00 .....	2			
04		.. NUT, Hex #4-40 .....	2			
05		.. WASHER, Lock #4 .....	2			
06		.. NUT, Hex 3/8"-16UNC. ....	2			
07		.. WASHER, Lock 3/8" .....	2			
08		.. WASHER, Flat 3/8" .....	2			
-	947N3-1	.. ELECTRIC HORN ASSEMBLY .....	1			
09	16P5331	.. BRACKET .....	1			
10	47Z23D4	.. HORN .....	1			
11	47Z23D7	.. HORN .....	1			
12	79P448	.. RELAY .....	1			
13	20Z1040D1	.. NUT .....	2			
14	18Z733D20	.. WASHER, Lock - internal .....	2			
15		.. SCREW, Rd. hd. mach. 1/4"-20UNC x 1/2" .....	2			
16		.. NUT, Hex 1/4"-20UNC. ....	2			
17		.. WASHER, Lock 1/4" .....	2			

# DOUBLE SOLENOID VALVE



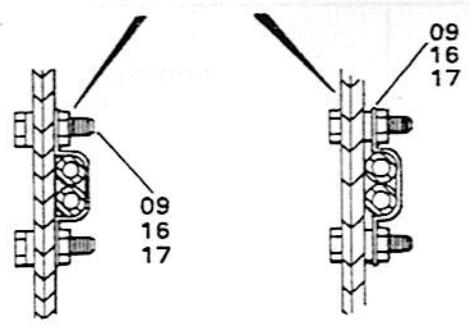
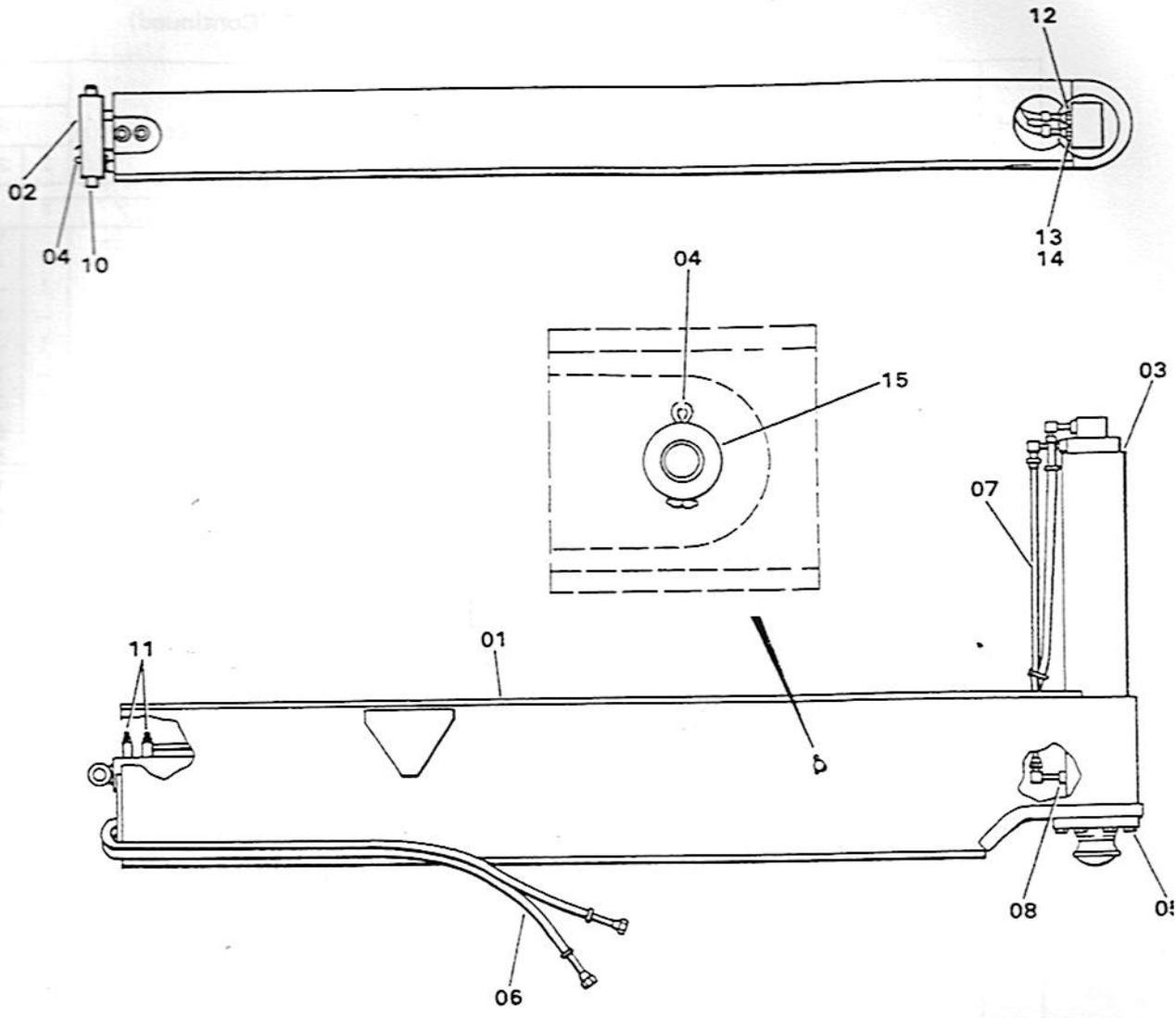
Ref.	Part Number	Description	Quantity			
			Figure Number			
-	36U142D1	DOUBLE SOLENOID VALVE	1			
01	1081Z6	. SOLENOID ASSEMBLY. ....	4			
02	1044Z512	.. GUIDE, Tube assembly. ....	4			
03	1017Z929	. SPRING, Centering . . . . .	4			
04	1045Z1572	. O-RING. ....	1			
05	1045Z1215	. O-RING. ....	1			

# OUTRIGGER BEAM ASSEMBLY



Ref.	Part Number	Description	Quantity	
			Figure	Number
			5	
-	929J13-5	BEAM ASSEMBLY, OUTRIGGER	1	
01	29J179	. BEAM, Outrigger. . . . .	1	
02	938J180-1	. CYLINDER, Horizontal (Page 29.1) . . . . .	1	
03	938J191-1	. CYLINDER, Vertical (Page 28.1) . . . . .	1	
04		. PIN, Cotter. . . . .	3	
05		. SCREW, Hex hd. cap 1/2" x 1-3/4" Grade 5. . . . .	8	
06	44Q625D1	. LOOP, Hose . . . . .	1	
07	44Q537D2	. HOSE ASSEMBLY . . . . .	1	
08	44Z1390D2	. ELBOW, 90° long O-ring. . . . .	2	
09		. WASHER. . . . .	4	
10		. SCREW, Hex hd. cap 3/8" x 1-1/2" Grade 5. . . . .	2	
11	19T5935	. PIN. . . . .	1	
12	44Z485D6	. CONNECTOR, O-ring. . . . .	2	
13	44Z1390D3	. ELBOW, O-ring lg. . . . .	1	
14	44Z485D9	. CONNECTOR. . . . .	1	
15	44Z473D6	. ELBOW. . . . .	1	
16	19T6033	. PIN. . . . .	1	
17	32Z1823D1	. CLAMP . . . . .	1	

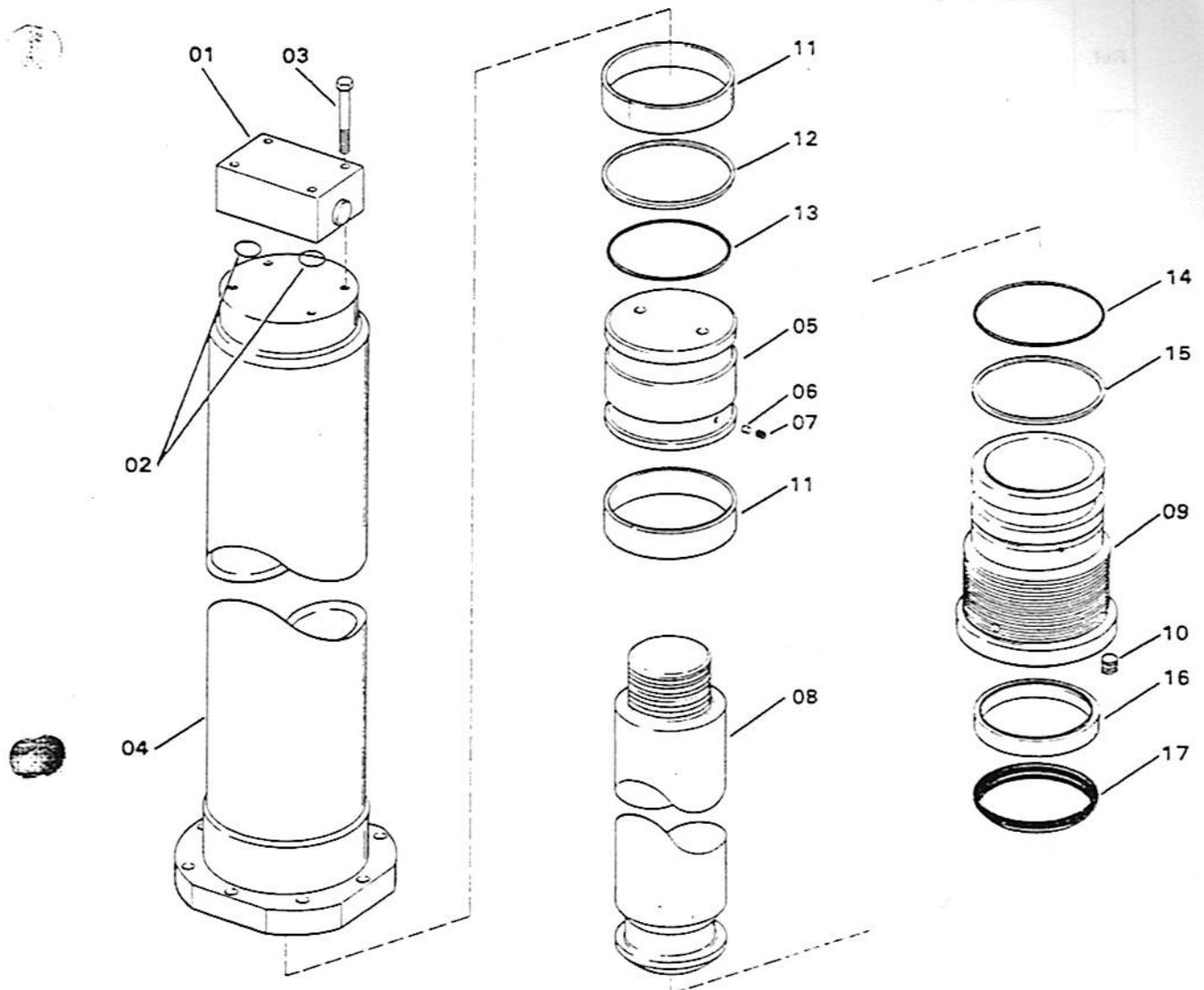
# BEAM ASSEMBLY - OUTRIGGER



BEAM ASSEMBLY – OUTRIGGER (Continued)

Ref.	Part Number	Description	Quantity			
			Figure No.			
			2	3		
—	929J22-2	BEAM ASSY., OUTRIGGER – FIRE RES. FLUID	1	1		
—	929J22-3	BEAM ASSY., OUTRIGGER – FIRE RES. FLUID	1	1		
01	29J179	. BEAM, Outrigger. . . . .	1	1		
02	938J189-1	. CYLINDER, Horiz. (Page 3-29.3) . . . . .	1	—		
02	938J187-1	. CYLINDER, Horiz. (Page 3-29.2) . . . . .	—	1		
03	938J188-1	. CYLINDER, Vert. (Page 3-28.2) . . . . .	1	—		
03	938J192-1	. CYLINDER, Vert. (Page 3-28.3) . . . . .	—	1		
04	2201V088	. PIN, Cotter. . . . .	3	3		
05		. SCREW, Hex hd. cap 1/2 in. x 1-3/4 in. Gr. 5 . . . . .	8	8		
06	44Q625D1	. LOOP, Hose . . . . .	1	1		
07	44Q537D2	. HOSE ASSY. . . . .	1	1		
08	44Z1390D2	. ELBOW, O-ring long 90° . . . . .	2	2		
09		. SCREW, Hex hd. cap 3/8 in. x 1-1/2 in. Gr. 5 . . . . .	2	2		
10	19T5935	. PIN. . . . .	1	1		
11	44Z485D6	. CONNECTOR, O-ring. . . . .	2	2		
12	44Z1390D3	. ELBOW, O-ring lg. . . . .	1	1		
13	44Z485D9	. CONNECTOR. . . . .	1	1		
14	44Z473D6	. ELBOW. . . . .	1	1		
15	19T6033	. PIN. . . . .	1	1		
16	32Z1823D1	. CLAMP. . . . .	1	1		
18	3611V007	. WASHER. . . . .	4	4		

### VERTICAL CYLINDER ASSEMBLY

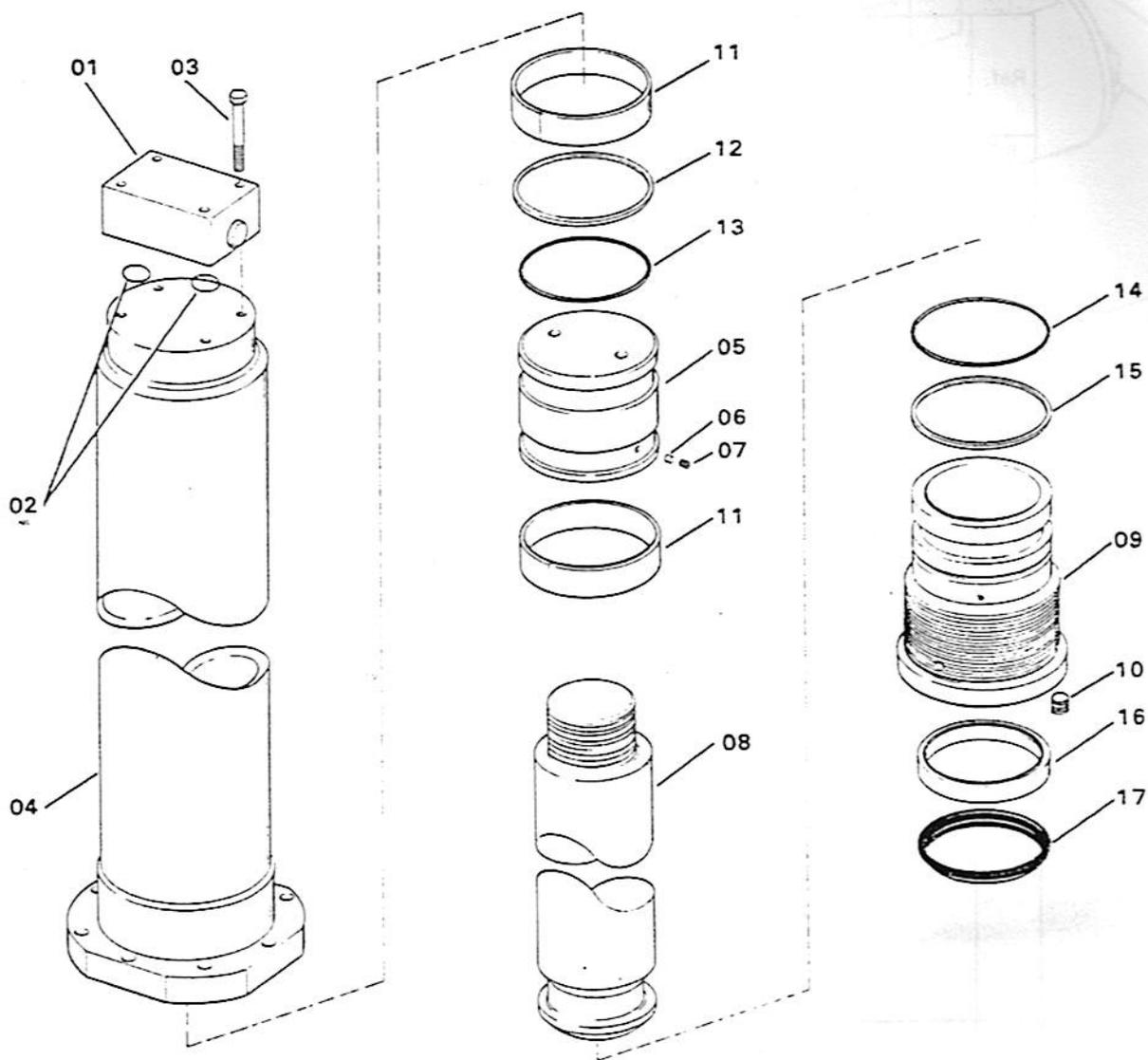


Ref.	Part Number	Description	Quantity			
			Figure Number			
-	938J191-1	CYLINDER, VERTICAL OUTRIGGER	1			
01	36U164	. VALVE, Lock. ....	1			
02	45Z479D52	.. O-RING .....	2			
03		. SCREW, Hex sock. hd. cap 3/8-16UNC x 2-3/4" .....	4			
04	38J233	. BODY, Cylinder .....	1			
05	39N152	. PISTON .....	1			

VERTICAL CYLINDER ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Num			
			1			
06	20T9370	. LOCK, Piston thread . . . . .	1			
07	20Z770D9	. SCREW, Self locking set . . . . .	1			
08	20N464D1	. ROD, Piston . . . . .	1			
09	20N463	. BEARING, Rod end. . . . .	1			
10	20Z931D5	. SCREW, Set #10-24UNC thd . . . . .	1			
11	18Z1624D18	. RING, Wear . . . . .	2			
-	1045T26-1	. KIT, Cylinder seal . . . . .	1			
12		.. SEAL, Piston . . . . .	1			
13		.. O-RING (344) . . . . .	1			
14		.. O-RING (348) . . . . .	1			
15		.. RING, Back-up . . . . .	1			
16		.. SEAL, Rod. . . . .	1			
17		.. WIPER, Rod. . . . .	1			
18	18Z694D5	. WASHER, Flat 3/8". . . . .	4			

# VERTICAL CYLINDER ASSEMBLY

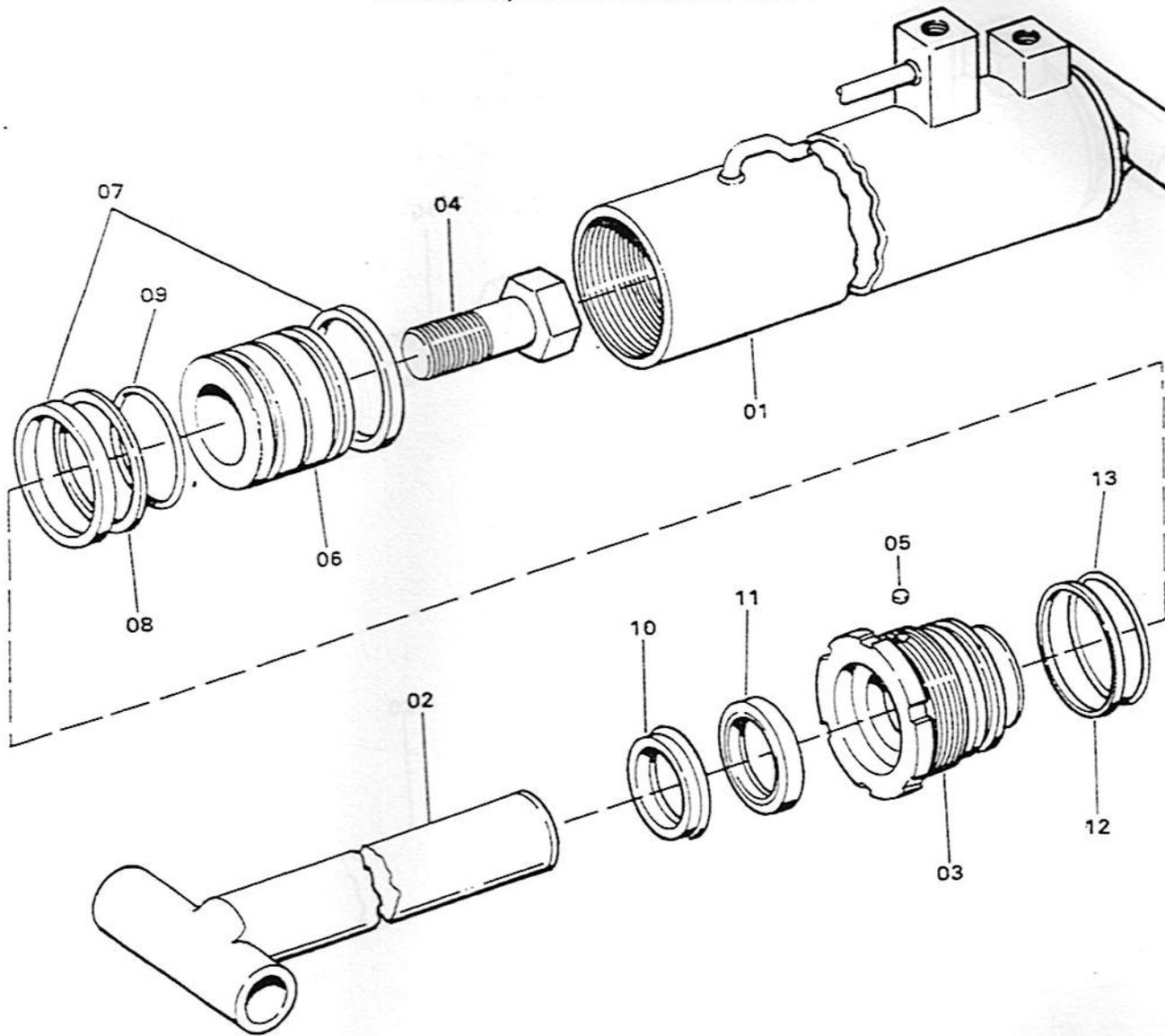


Ref.	Part Number	Description	Quantity			
			Figure Number			
-	938J192-1	CYLINDER, VERTICAL OUTRIGGER-FIRE RES. FLUID	1			
01	36U164	. VALVE, Lock. . . . .	1			
02	45Z479D52	. O-RING . . . . .	2			
03		. SCREW, Hex sock. hd. cap 3/8-16UNC x 2-3/4" . . . . .	4			
04	38J233	. BODY, Cylinder . . . . .	1			
05	39N152	. PISTON . . . . .	1			

VERTICAL CYLINDER ASSEMBLY (Continued)

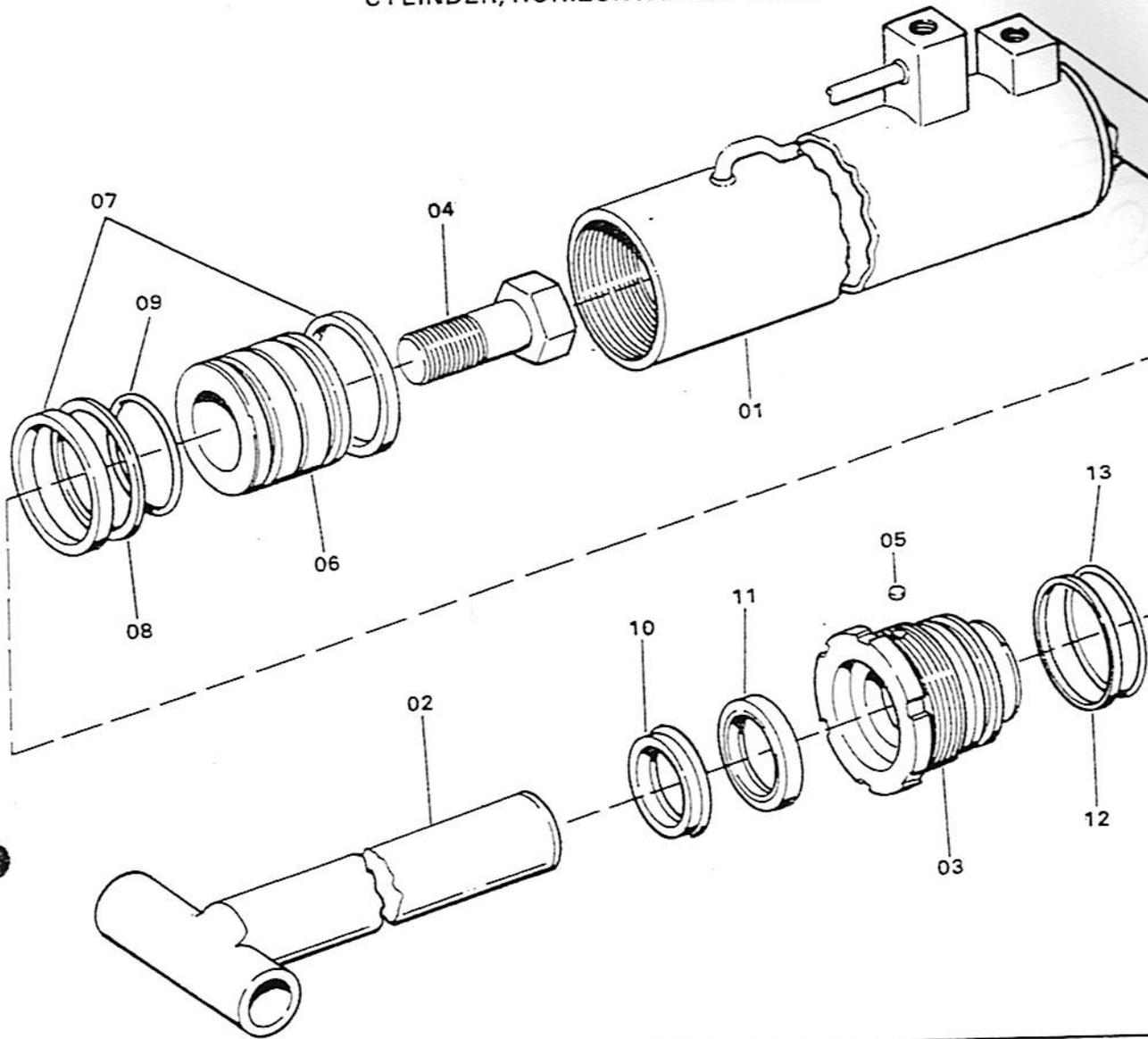
Ref.	Part Number	Description	Quantity	
			Figure N	
			1	
06	20T9370	. LOCK, Piston thread . . . . .	1	
07	20Z770D9	. SCREW, Self locking set . . . . .	1	
08	20N464D1	. ROD, Piston . . . . .	1	
09	20N463	. BEARING, Rod end. . . . .	1	
10	20Z931D5	. SCREW, Set #10-24UNC thd . . . . .	1	
11	18Z1624D18	. RING, Wear . . . . .	2	
-	1045T31-1	. KIT, Cylinder seal . . . . .	1	
12		.. SEAL, Piston . . . . .	1	
13		.. O-RING (344) . . . . .	1	
14		.. O-RING (348) . . . . .	1	
15		.. RING, Back-up . . . . .	1	
16		.. SEAL, Rod . . . . .	1	
17		.. WIPER, Rod . . . . .	1	
18	18Z694D5	. WASHER, Flat 3/8" . . . . .	4	

## CYLINDER, HORIZONTAL OUTRIGGER



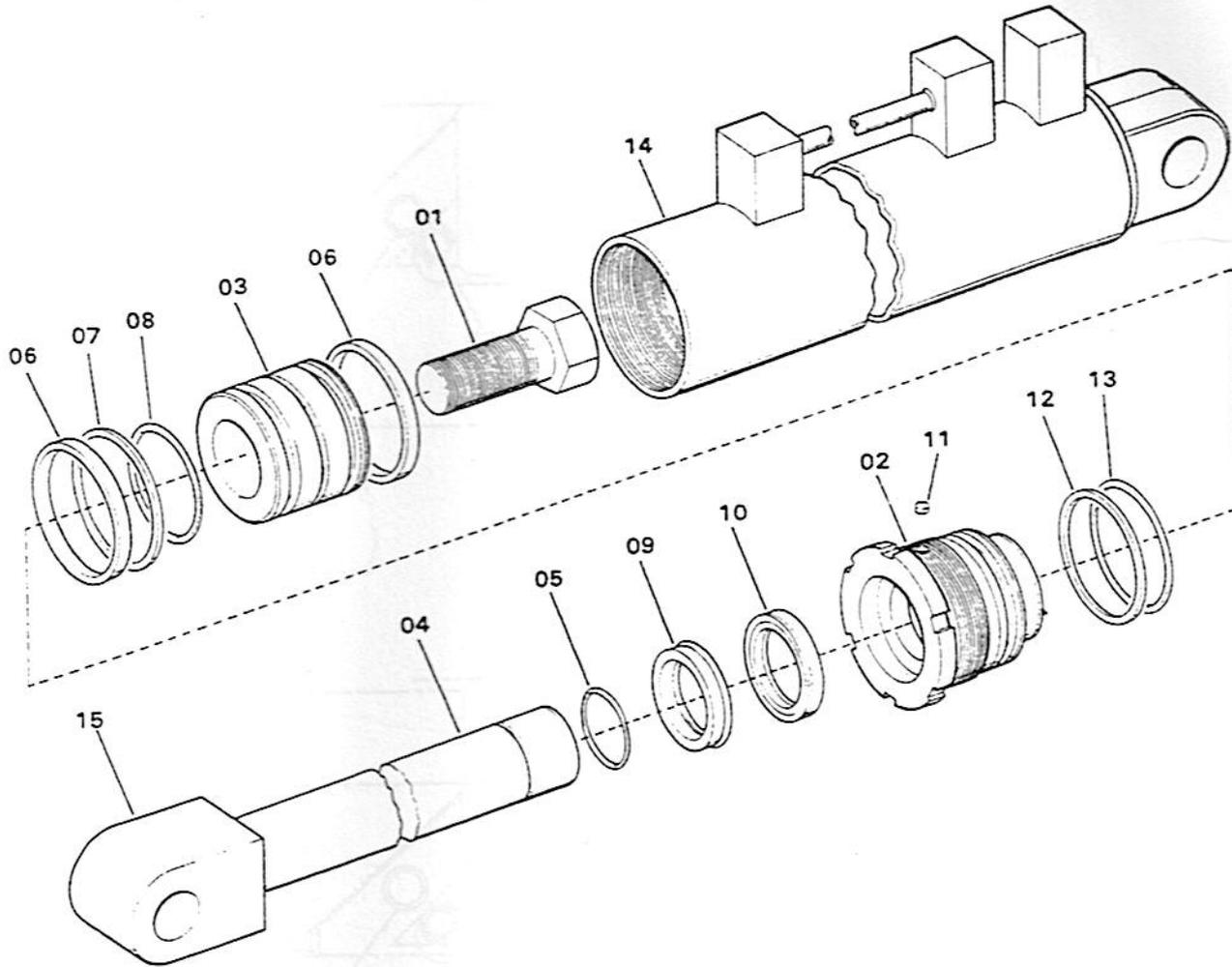
Ref.	Part Number	Description	Quantity	
			Figure Number	
			1	
-	938J180-1	CYLINDER, HORIZONTAL OUTRIGGER	1	
01	38J230D1	. WELDMENT, Body	1	
02	20P1685D1	. WELDMENT, Rod end	1	
03	20N456	. BEARING, Rod end	1	
04	20Z1335D6	. BOLT	1	
05	20T8941	. LOCK, Rod end	2	
06	39Q12	. PISTON	1	
07		. RING, Piston	2	
08		. SEAL, Piston	1	
09		. O-RING (137)	1	
-	1045T28-1	. KIT, Seal	1	
08		. SEAL, Piston	1	
09		. O-RING (137)	1	
10		. WIPER, Rod	1	
11		. SEAL, Rod	1	
12		. RING, Back-up	1	
13		. O-RING (228)	1	

# CYLINDER, HORIZONTAL OUTRIGGER



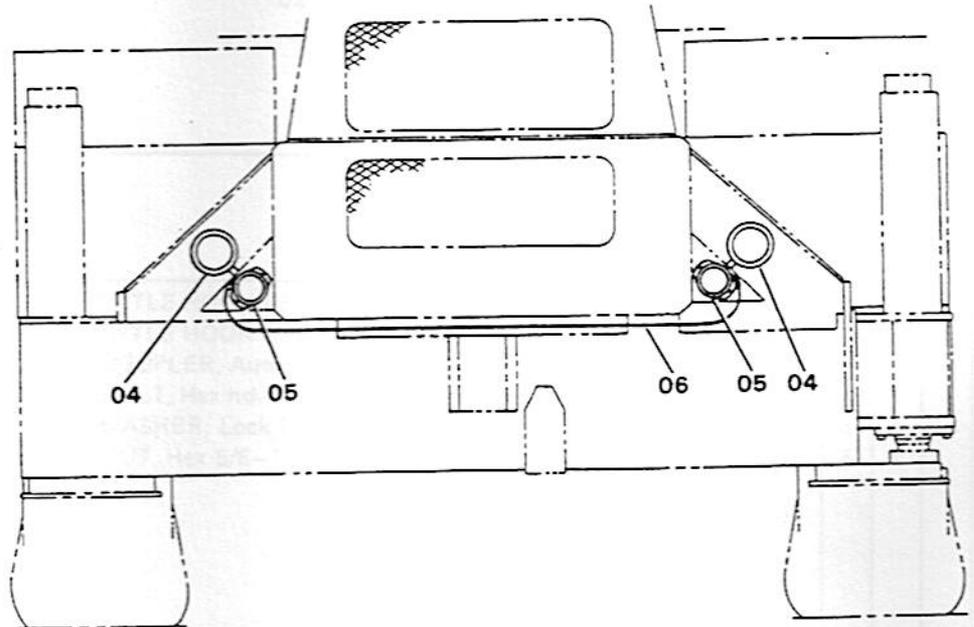
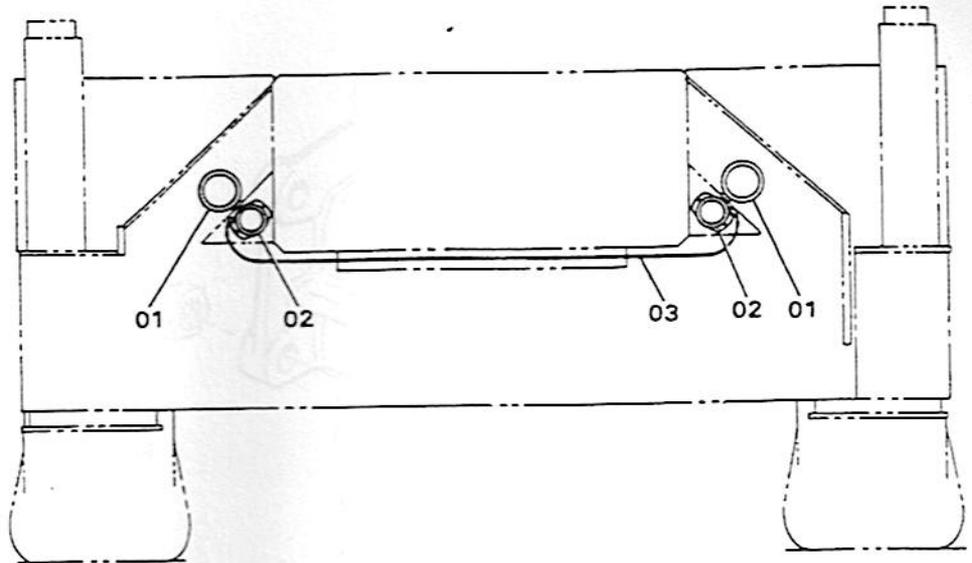
Ref.	Part Number	Description	Quantity	
			Figure	Number
-	938J187-1	CYLINDER, HORIZONTAL OUTRIGGER - FIRE RES. FLUID	1	
01	38J230D1	. WELDMENT, Body	1	
02	20P1685D1	. WELDMENT, Rod end	1	
03	20N456	. BEARING, Rod end	1	
04	20Z1335D6	. BOLT	1	
05	20T8941	. LOCK, Rod end	2	
06	39Q12	. PISTON	1	
07		.. RING, Piston	2	
08		.. SEAL, Piston	1	
09		.. O-RING (137)	1	
-	1045T32-1	. KIT, Seal	1	
08		.. SEAL, Piston	1	
09		.. O-RING (137)	1	
10		.. WIPER, Rod	1	
11		.. SEAL, Rod	1	
12		.. RING, Back-up	1	
13		.. O-RING (228)	1	

# HORIZONTAL OUTRIGGER CYLINDER



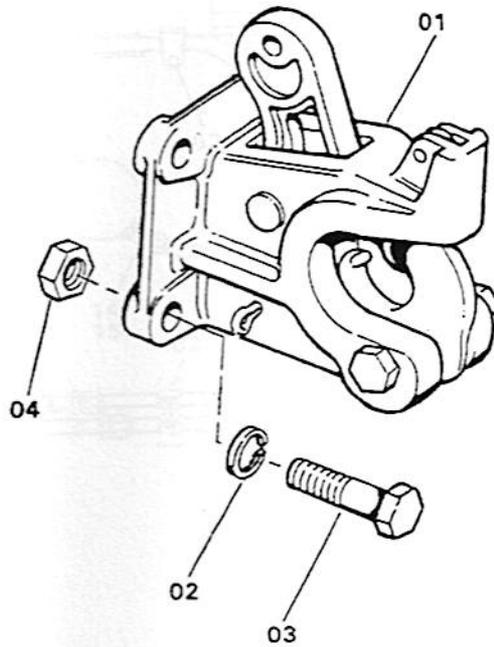
Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
-	938J189-1	HORIZONTAL OUTRIGGER CYLINDER - FIRE RES.	1			
01	20Z1036D262	. BOLT, Hex hd. 1-8UNC x 2-1/4 in.	1			
02	20N373	. BEARING, Rod end.	1			
03	39N115	. PISTON.	1			
04	20N375D1	. ROD, Piston	1			
-	1100T256-1	. KIT, Seal	1			
05		. O-RING	1			
06		. RING, Guide.	2			
07		. SEAL, Piston	1			
08		. O-RING	1			
09		. WIPER, Rod	1			
10		. SEAL, Rod	1			
11		. LOCK, Rod end.	1			
12		. RING, Back-up	1			
13		. O-RING	1			
14	38J117D1	. BODY, Cylinder	1			
15	20P1657	. END, Rod	1			

## LOWER LIGHT INSTALLATION



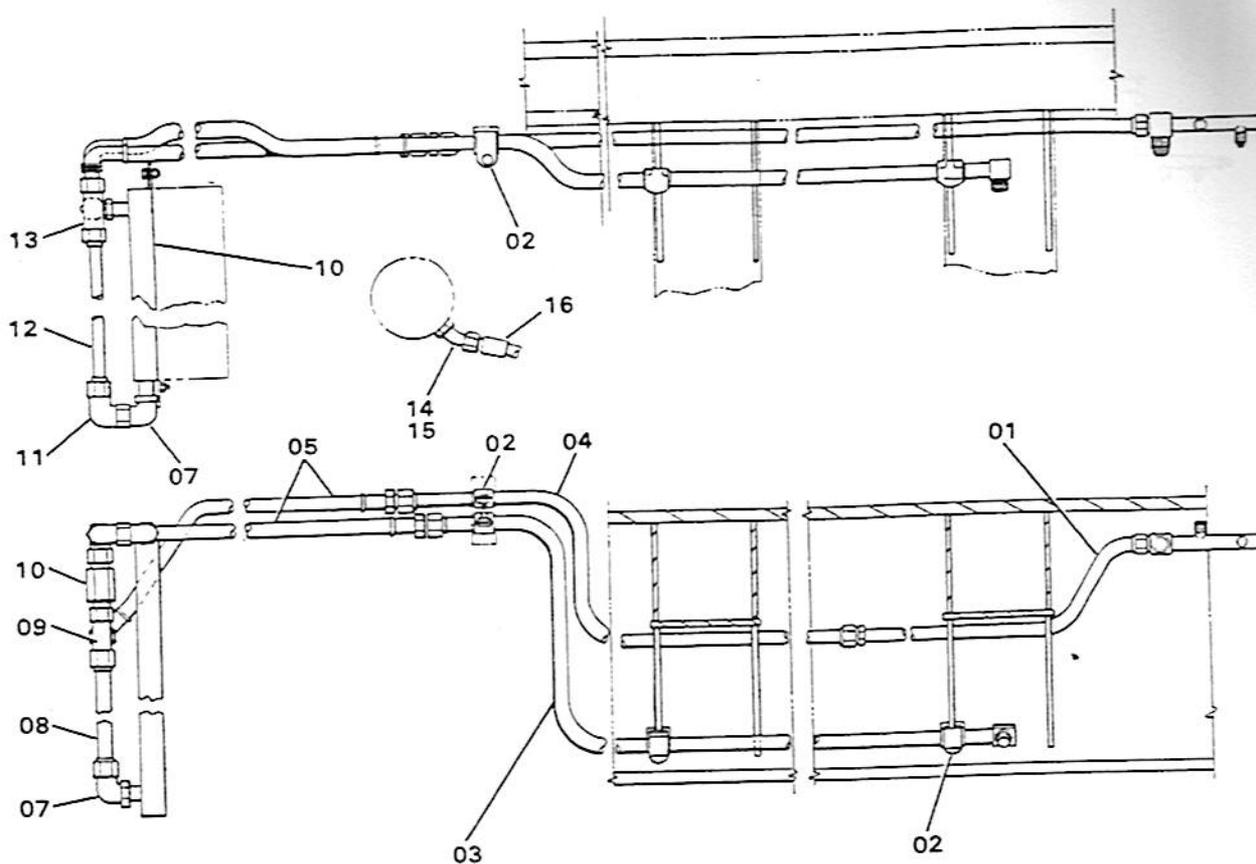
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
-		LOWER LIGHT INSTALLATION	1			
01	56Q11D1	. LIGHT, Red signal. . . . .	2			
-	1056Z36	. . BULB, Signal light . . . . .	1			
02	56Z200D2	. REFLECTOR - RED. . . . .	2			
03	79Q522	. HARNESS, Rear wiring . . . . .	1			
04	56Z372	. LIGHT, Front head . . . . .	2			
05	56Z200D1	. REFLECTOR, Amber . . . . .	2			
06	79Z3061	. HARNESS, Front wiring. . . . .	1			

# PINTLE HOOK ASSEMBLY



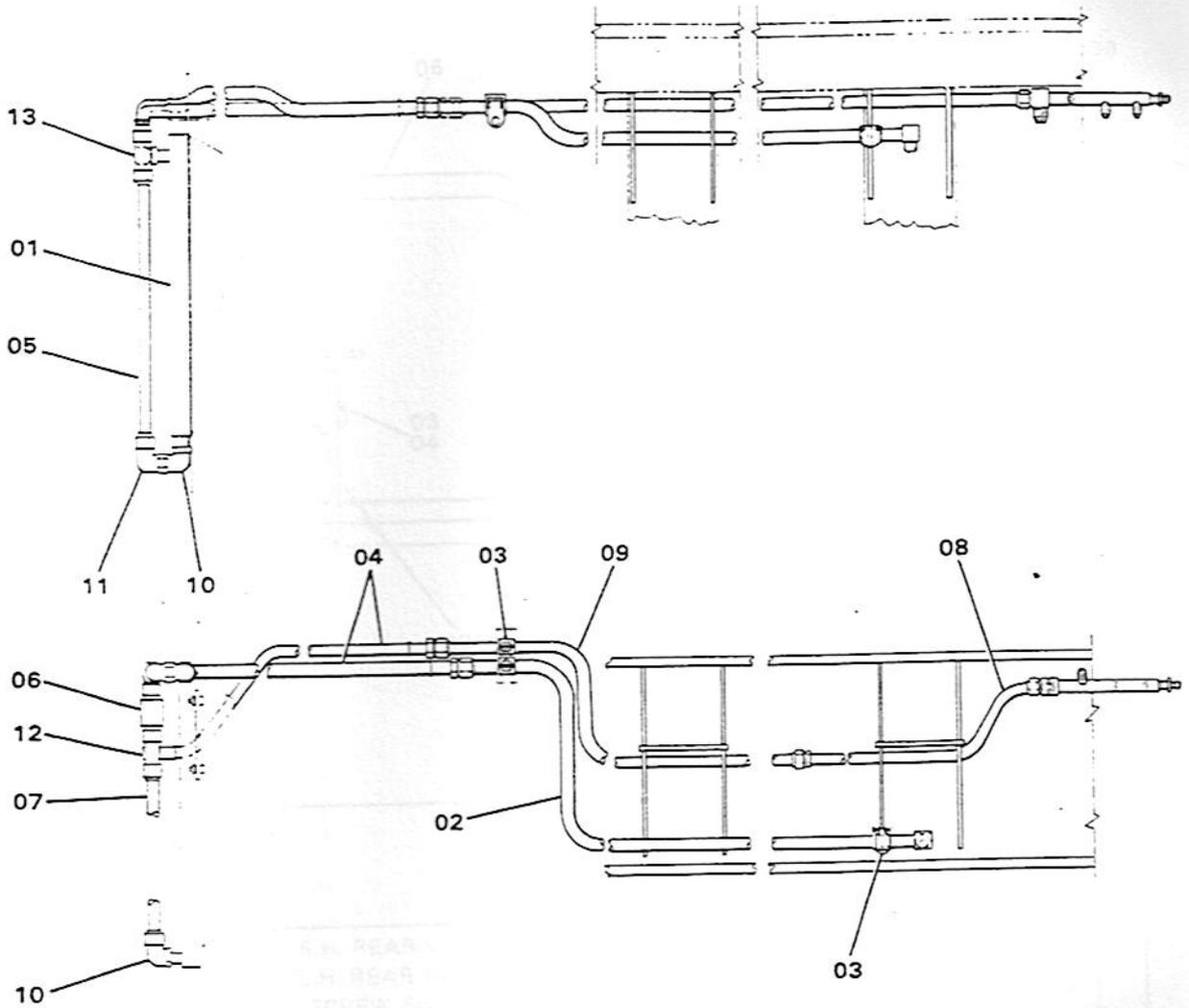
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2		
-	100P1019-1	PINTLE HOOK ASSEMBLY - FRONT	1	1		
-	100P1019-2	PINTLE HOOK ASSEMBLY - REAR		1		
01	8Z206	. COUPLER, Automatic	1	1		
02		. BOLT, Hex hd. 5/8-11UNC x 2-1/4 in.	4	4		
03		. WASHER, Lock 5/8 in.	4	4		
04		. NUT, Hex 5/8-11UNC.	4	4		

# OIL COOLER ASSEMBLY



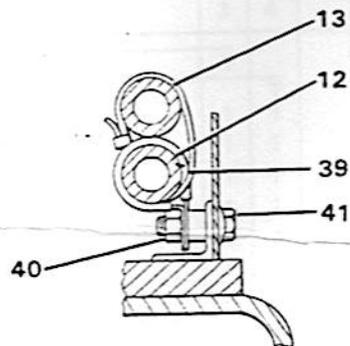
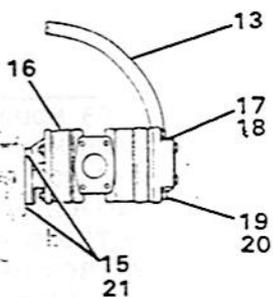
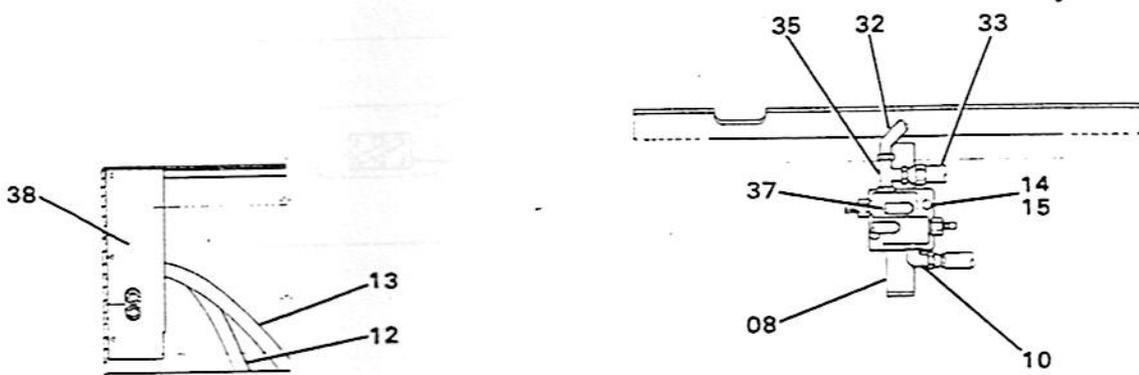
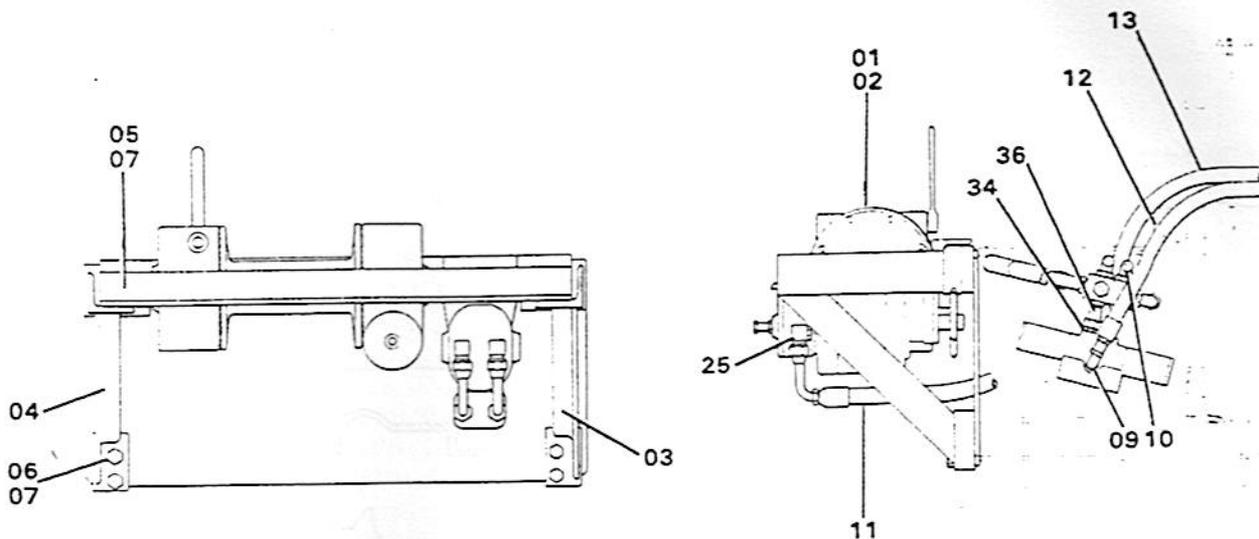
Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
			1	2
-	952J15-1	OIL COOLER ASSEMBLY		
-	952J15-2	OIL COOLER ASSEMBLY - FIRE RESISTANT FLUID		
01	44N652	. TUBE ASSEMBLY	1	1
02	16Z338D5	. CLAMP, Tube	3	3
03	44N821	. TUBE ASSEMBLY	1	1
04	44N820	. TUBE ASSEMBLY	1	1
05	44Q526D1	. HOSE ASSEMBLY	2	2
06	52U132	. COOLER, Oil	1	1
07	44Z591D25	. ELBOW, 90° male	2	2
08	44P1824D1	. TUBE ASSEMBLY	1	1
09	44Z487D10	. TEE, Swivel nut on run	1	-
10	36Z1246D1	. VALVE, Check	1	1
10	36Z1330D1	. VALVE, Check	-	1
11	44Z473D10	. ELBOW, 90° swivel	1	1
12	44P1824D3	. TUBE ASSEMBLY	1	1
13	44Z612D10	. TEE, Swivel nut	1	1
14	44Z429D7	. ELBOW, O-ring	1	1
15	45Z91D172	. O-RING	1	1
16	44Q498D4	. HOSE ASSEMBLY	1	1

## COOLER INSTALLATION - HYD. OIL



Ref.	Part Number	Description	Quantity			
			Figure Number			
-	952J23-1	COOLER INSTALL., HYD. OIL - DEUTZ	1			
01	52U132	. COOLER, Oil . . . . .	1			
02	44N653	. TUBE ASSY., 1 in. O.D. . . . .	1			
03	16Z338D5	. CLAMP . . . . .	3			
04	44Q526D1	. HOSE ASSY. . . . .	2			
05	44P1824D3	. TUBE ASSY. . . . .	1			
06	36Z1246D1	. VALVE, Check . . . . .	1			
07	44P1824D1	. TUBE ASSY. . . . .	1			
08	44N652	. TUBE ASSY. . . . .	1			
09	44N651	. TUBE ASSY., 1 in. O.D. . . . .	1			
10	44Z591D25	. ELBOW, 90° male #16 . . . . .	2			
11	44Z473D10	. ELBOW, 90° swivel #16 . . . . .	1			
12	44Z467D10	. TEE, #16 swivel nut on run. . . . .	1			
13	44Z612D10	. TEE, #16 w/swivel nut. . . . .	1			

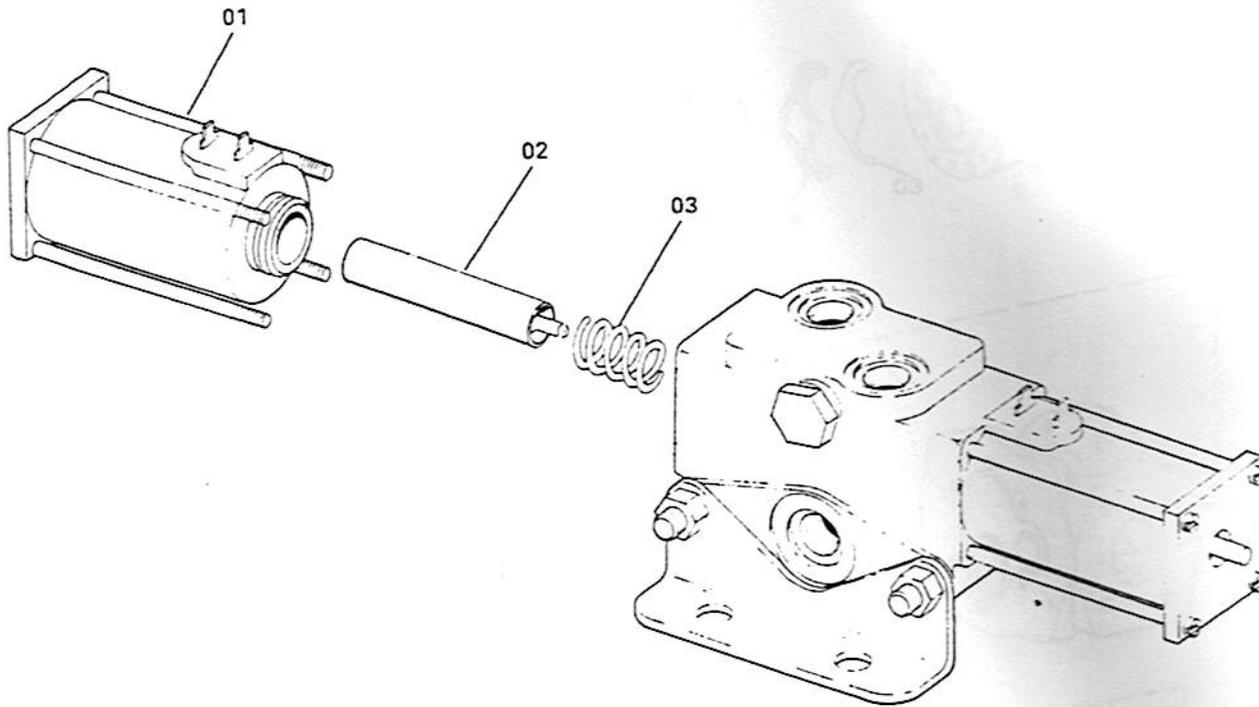
# WINCH - FRAME MOUNTED



WINCH - FRANE MOUNTED (Continued)

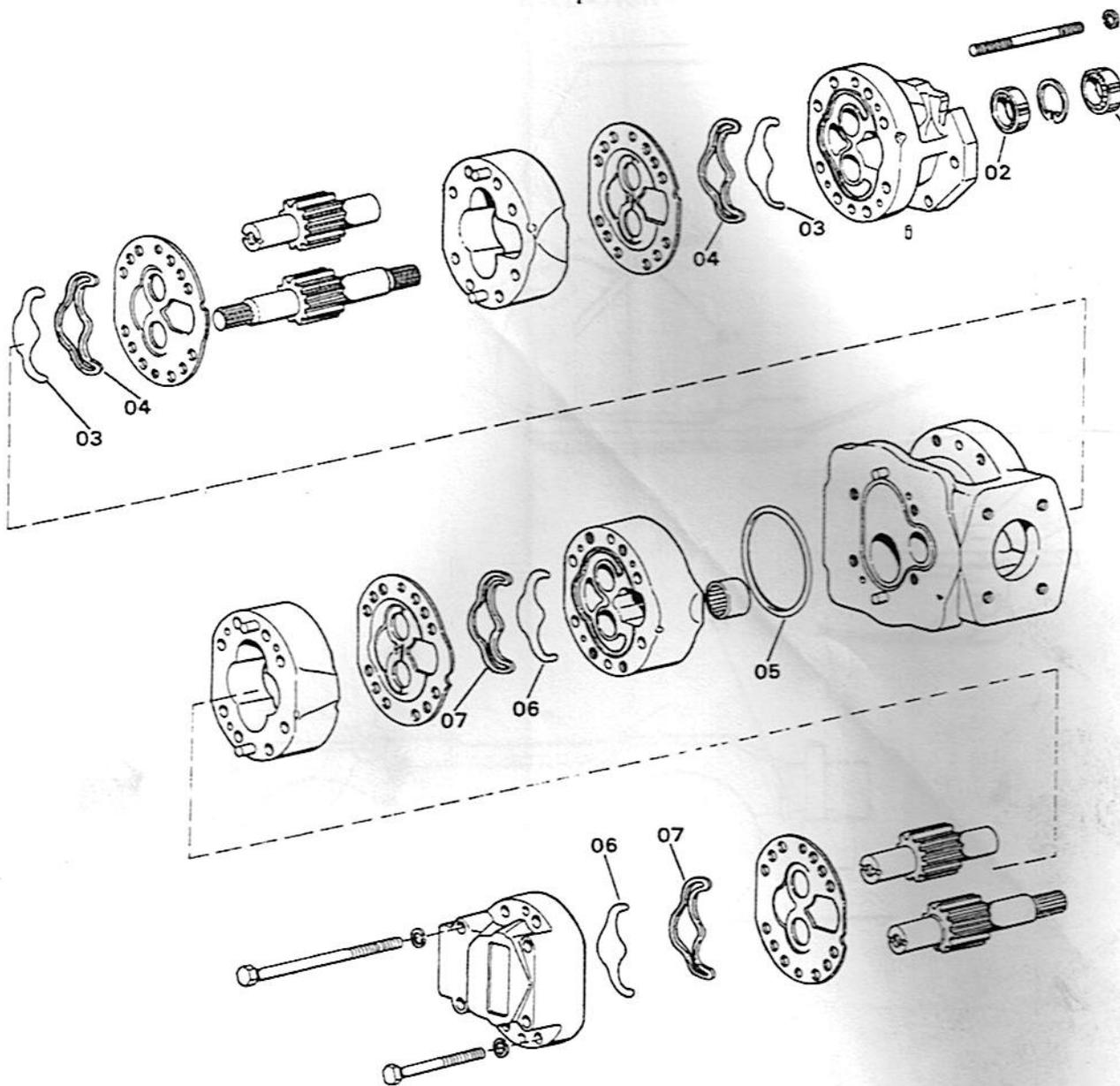
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			3	4		
14		. SCREW, Hex hd. cap 1/2"-13UNC x 3/4" lg . . . . .	4	4		
15		. WASHER, Lock 1/2" . . . . .	4	8		
16	37U56D2	. PUMP (Page 37.1) . . . . .	-	1		
17	44Q26D12	. FLANGE, Split . . . . .	-	2		
18	45Z91D150	. O-RING . . . . .	-	1		
19		. SCREW, Hex hd. cap 3/8"-16UNC x 3/4" lg . . . . .	-	4		
20		. WASHER, Lock 3/8" . . . . .	-	4		
21		. SCREW, Hex hd. cap 1/2"-13UNC x 1-1/2" lg . . . . .	-	4		
22	44Z429D7	. ELBOW, 45° O-ring . . . . .	-	1		
23	44P105D4	. HOSE ASSEMBLY . . . . .	-	1		
24	44Z421D14	. ELBOW, 90° o-ring . . . . .	-	1		
25	44Z591D29	. ELBOW, 90° . . . . .	2	2		
26	89Z2400D9	. SWITCH, Toggle . . . . .	1	1		
27	77R11D1	. RING, Collector . . . . .	1	1		
-	1073Z130	. BRUSH ARM ASSY., For 10 & 12 Ga. wire . . . . .	AR	AR		
-	1073Z131	. BRUSH ARM ASSY.; For 14 & 16 Ga. wire . . . . .	AR	AR		
-	1017Z926	. SPRING, Brush arm . . . . .	AR	AR		
31	32Z1791	. DECAL . . . . .	1	1		
32	44Q582D1	. HOSE ASSEMBLY . . . . .	1	1		
33	44Q581D1	. HOSE ASSEMBLY . . . . .	1	1		
34	44Z485D22	. CONNECTOR, O-ring . . . . .	2	2		
35	44Z488D8	. TEE, O-ring run . . . . .	1	1		
36	44Z1181D4	. ADAPTER, Straight . . . . .	2	2		
37	36Z1164D5	. VALVE, Relief . . . . .	2	2		
38	27P3229	. BAFFLE . . . . .	1	1		
39	32Z423D28	. CLAMP . . . . .	1	1		
40		. NUT, Hex 3/8" . . . . .	1	1		
41		. SCREW, Lock . . . . .	1	1		

# DOUBLE SOLENOID VALVE



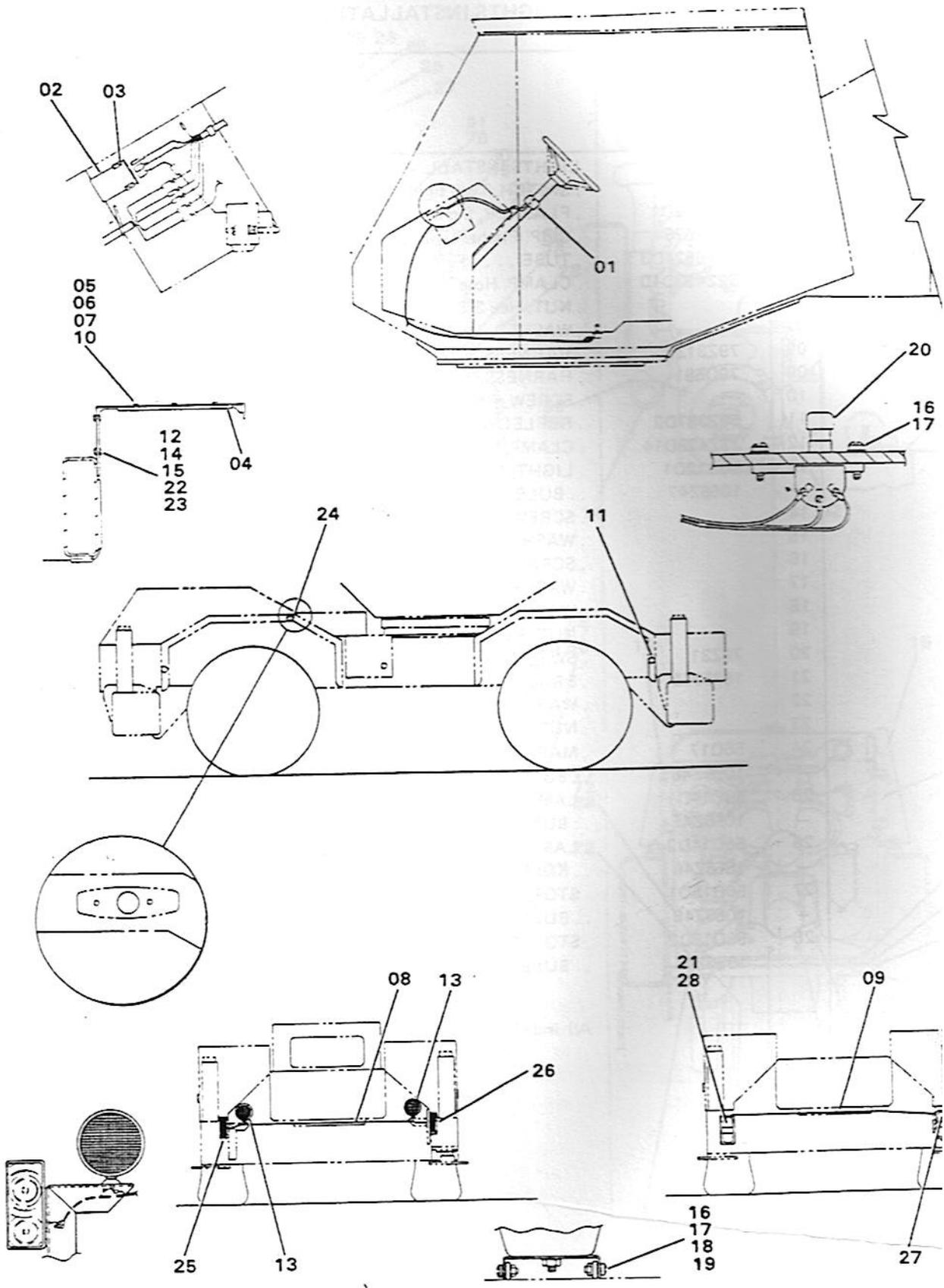
Ref.	Part Number	Description	Quantity	
			Figure Number	
-	36Z958	DOUBLE SOLENOID VALVE	2	
01	1081Z6	. SOLENOID ASSY. ....	2	
02	1044Z512	. . GUIDE, Tube assy... ..	2	
03	1017Z928	. SPRING, Centering . . . . .	2	

## DOUBLE PUMP ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	D2
—	37U56D2	DOUBLE PUMP ASSEMBLY	1	
—	1045Z1720	. KIT, Front seal . . . . .	1	
01		.. SEAL, Outer shaft . . . . .	1	
02		.. SEAL, Inner shaft . . . . .	1	
03		.. GLAND, Seal . . . . .	2	
04		.. RETAINER, Seal . . . . .	2	
—	1045Z1722	. KIT, Rear seal . . . . .	1	
05		.. O-RING, Section seal . . . . .	1	
06		.. GLAND, Seal . . . . .	2	
07		.. RETAINER, Seal . . . . .	2	

# LIGHTS INSTALLATION - HIGHWAY



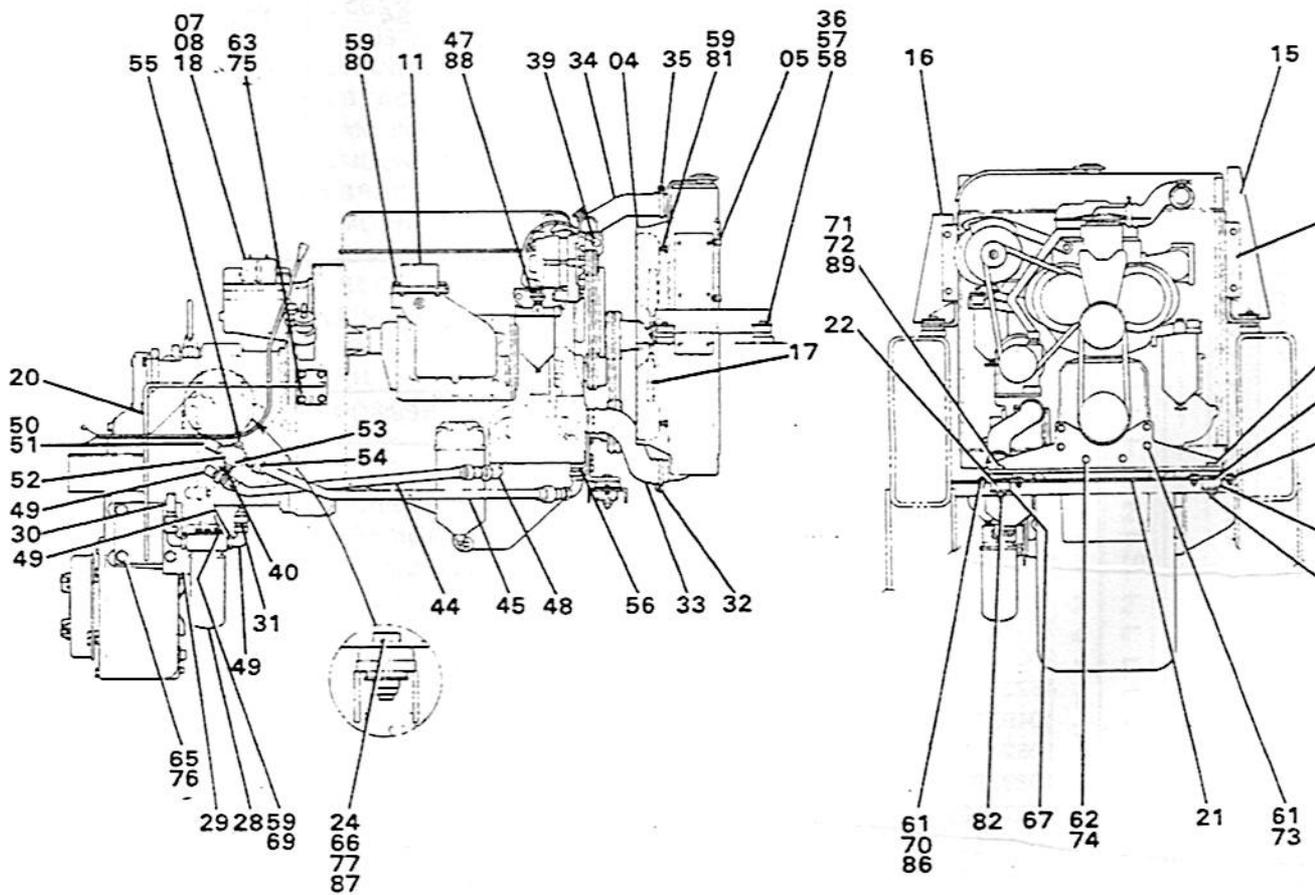
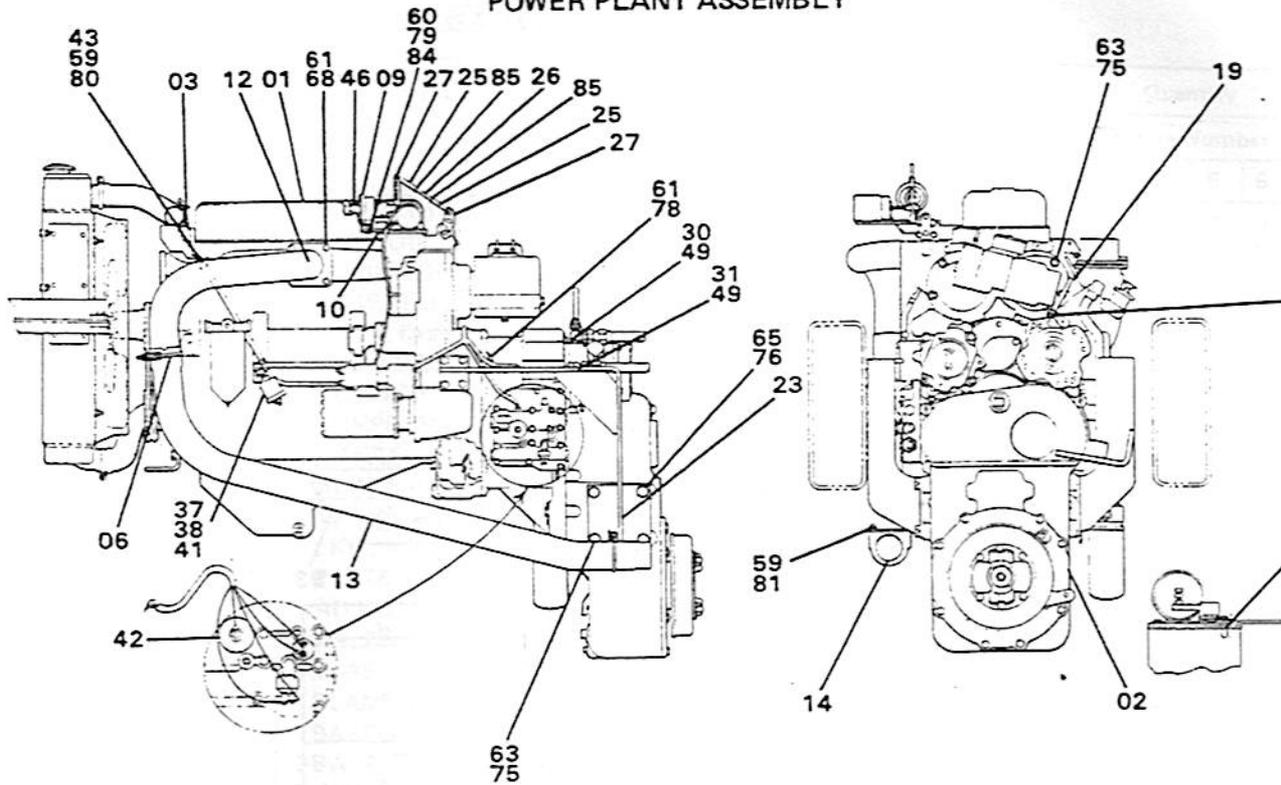
### LIGHTS INSTALLATION – HIGHWAY (Continued)

Ref.	OPTION Part Number	Description	Quantity	
			Figure 1	Figure 2
–	956J13-1	LIGHTS INSTALL. – HIGHWAY – ENPI	1	
01	79Z1629	. SWITCH, Turn signal	1	
02	56Z262D1	. FLASHER, Signal	1	
03	32Z1676	. CLIP, Flasher	1	
04	20T9524D3	. TUBE	2	
05	32Z423D10	. CLAMP, Hose	3	
06		. NUT, Hex 3/8 in. –16	3	
07		. WASHER, Lock 3/8 in.	3	
08	79Z3136	. HARNESS, Wire	1	
09	79Q581	. HARNESS, Wire	1	
10		. SCREW, Rd. hd. mach. 3/8 in. –16	3	
11	56Z387D2	. REFLECTOR, Amber	6	
12	32Z423D14	. CLAMP, Hose	2	
13	56Q12D1	. LIGHT, Head	2	
–	1056Z47	. BULB	1	
14		. SCREW, Rd. hd. mach. 1/4 in. –20	2	
15		. WASHER, Flat 1/4 in.	2	
16		. SCREW, Fil. hd. mach. 1/4–20UNC x .75 lg.	6	
17		. WASHER, Lock 1/4 in.	6	
18		. WASHER, Flat 1/4 in.	4	
19		. NUT, Hex 1/4 in. –20	4	
20	79Z31	. SWITCH	1	
21	16P5355	. BRACKET	1	
22		. WASHER, Lock 1/4 in.	2	
23		. NUT, Hex 1/4 in. –20	2	
24	56Q17	. MARKER, Light	2	
–	1056Z48	. BULB	1	
25	56Q14D1	. LAMP, Flasher & side	1	
–	1056Z45	. BULB, Clearance	1	
26	56Q14D2	. LAMP, Flasher & side	1	
–	1056Z46	. BULB, Flasher	1	
27	56Q15D1	. STOP, Tail & flasher	1	
–	1056Z46	. BULB, Flasher brake	1	
28	56Q15D2	. STOP, Tail & flasher	1	
–	1056Z44	. BULB, Taillight	1	

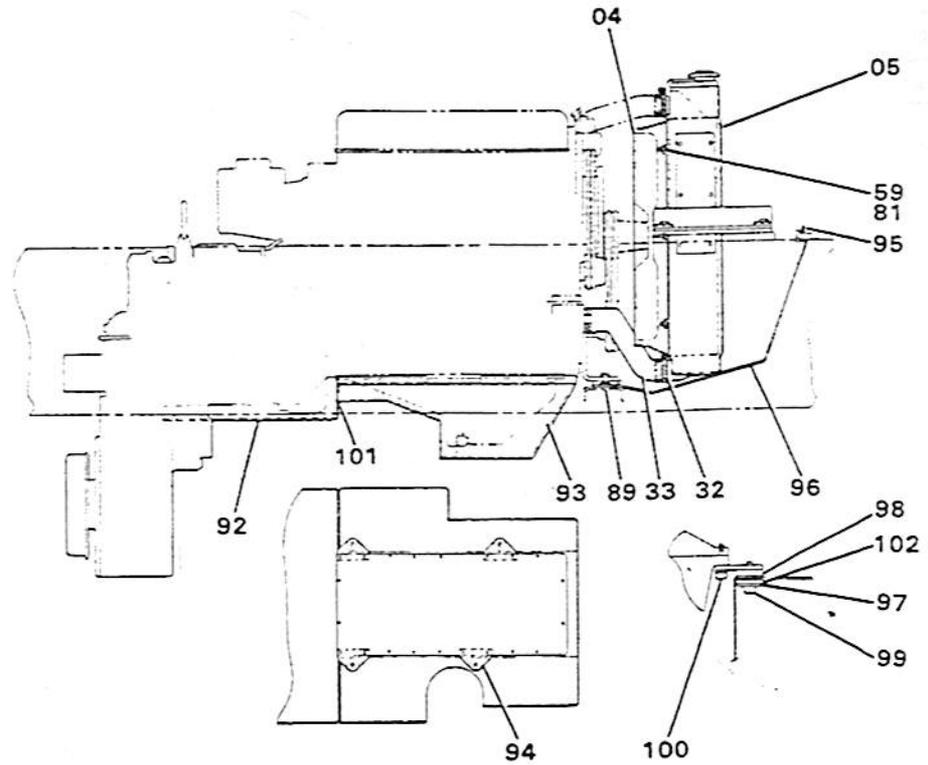
**NOTE**

All individual wires, leads & jumpers should be fabricated locally.

# POWER PLANT ASSEMBLY



POWER PLANT ASSEMBLY (Continued)



Ref.	Part Number	Description	Quantity		
			Figure		
			2	3	4
-	951J12-2	POWER PLANT ASSY.—NOISE SUPPRESSION OPTION			
-	951J12-3	POWER PLANT ASSY.—STANDARD			
-	951J12-4	POWER PLANT ASSY.—ENPI			
-	951J12-5	POWER PLANT ASSY.—NOISE SUPPRESSION OPTION-ENPI			
-	951J12-6	POWER PLANT ASSY.—TROPIC OPTION			
01	51Q403	. ENGINE ASSY. . . . .	1	1	1
-	1007Z139	.. BELTS, Crankshaft & fan (set of 2) . . . . .	1	1	1
-	1007Z143	.. PULLEY, Crankshaft . . . . .	1	1	1
-	1007Z146	.. PULLEY, Alternator . . . . .	1	1	1
-	46Z36	.. FILTER, Oil . . . . .	1	1	1
-	1049Z108	.. BLADE, Fan — suction . . . . .	1	1	1
-	1052Z57	.. CAP, Radiator . . . . .	1	1	1
-	1088Z80	.. ALTERNATOR. . . . .	1	1	1
-	1007Z196	.. DRIVE, Accessory — pulley . . . . .	1	1	1
-	1045Z54	. ELEMENT, Fuel filter . . . . .	1	1	1
-	1049Z150	.. BELT, Gen. drive (set of 2) . . . . .	1	1	1
-	1079Z1595	.. MOTOR, Starter . . . . .	1	1	1
02	53R26	. TRANSMISSION (Page 6.1) . . . . .	1	1	1

POWER PLANT ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity				
			Figure Number				
			2	3	4	5	6
03	79R57	. HARNESS, Eng. & trans.	1	1	1	1	1
04	27R27	. SHROUD, Fan	1	1	1	1	1
05	52U145	. RADIATOR	—	1	1	—	—
—	1052Z55	. . CAP, Rad.	—	1	1	—	—
06	44Z250D3	. COCK, Drain	1	1	1	1	1
07	51U14	. COMPRESSOR, Air	1	1	1	1	1
—	1046Z294	. . ELEMENT, Air comp. air cleaner	1	1	1	1	1
08	951J2-1	. COMPRESSOR LUBE & COOLING LINES INSTALL. (Page 10.1)	1	1	—	—	1
—	938N23-1	. BRAKE ASSY., Parking (Page 2.1)	1	1	1	1	1
09	36U30D3	. VALVE, Air throttle	1	1	1	1	1
—	1045Z1615	. . KIT, Valve repair	1	1	1	1	1
10	18T14223	. PLATE	1	1	1	1	1
11	46Z292	. ADAPTER, Air intake	1	1	1	1	1
12	27N3327	. WELDMENT, Exh. tube	1	1	1	1	1
13	27U178	. TUBE, Exh.	1	1	1	1	1
14	32Z171D15	. CLAMP, Exh.	2	2	2	2	2
15	27P3427	. BAFFLE	—	1	1	—	1
16	27P3428	. BAFFLE	—	1	1	—	1
17	49Z292	. FAN — 5 blades.	1	—	—	1	—
18	951J2-2	. COMPRESSOR LUBE & COOLING LINES INSTALL. (Page 10.1)	—	—	1	1	—
19	6T2675	. HANDLE	1	1	1	1	1
20	16N2396	. BRACKET	1	1	1	1	1
21	16N2671	. MOUNT, Eng.	1	1	1	1	1
22	16Z569	. MOUNT, Rubber	2	2	2	2	2
23	16N2456	. BRACKET	1	1	1	1	1
24	16Z209D23	. MOUNT, Rubber	2	2	2	2	2
25	6Z131D3	. END, Yoke	2	2	2	2	2
26	20T9261	. ROD, Connecting	1	1	1	1	1
27	919T117F3	. PIN ASSY.	2	2	2	2	2
—	—	. . PIN, Cotter 3/32 x 1/2 in. lg.	1	1	1	1	1
28	46Q40	. FILTER, Trans. (Page 6.1 Sheet 17)	1	1	1	1	1
29	16N2617	. BRACKET	1	1	1	1	1
30	44P472D10	. HOSE	1	1	1	1	1
31	44P472D2	. HOSE	1	1	1	1	1
32	44Z12D11	. CLAMP	2	2	2	2	2
33	44Q573	. HOSE, Rad.	1	1	1	1	1
34	44Z733D16	. HOSE, Rad.	1	1	1	1	1
35	44Z12D8	. CLAMP	2	2	2	2	2
36	16Q49D46	. CUSHION	4	4	4	4	4
37	2450V004	. NIPPLE, 1/8 in. NPT	1	1	1	1	1
38	44Z342D1	. TEE, 1/8 in. NPT pipe	1	1	1	1	1
39	89Z480	. SENDER, Water temp.	1	1	1	1	1
40	89Z481	. SENDER, Trans. temp.	1	1	1	1	1
41	89Z319	. SENDER, Oil press.	1	1	1	1	1
42	89Z307	. SENDER, Clutch press.	1	1	1	1	1
43	32Z423D6	. CLAMP, Insulated	1	1	1	1	1
44	44P472D9	. HOSE	1	1	1	1	1
45	44P1837D1	. HOSE	1	1	1	1	1

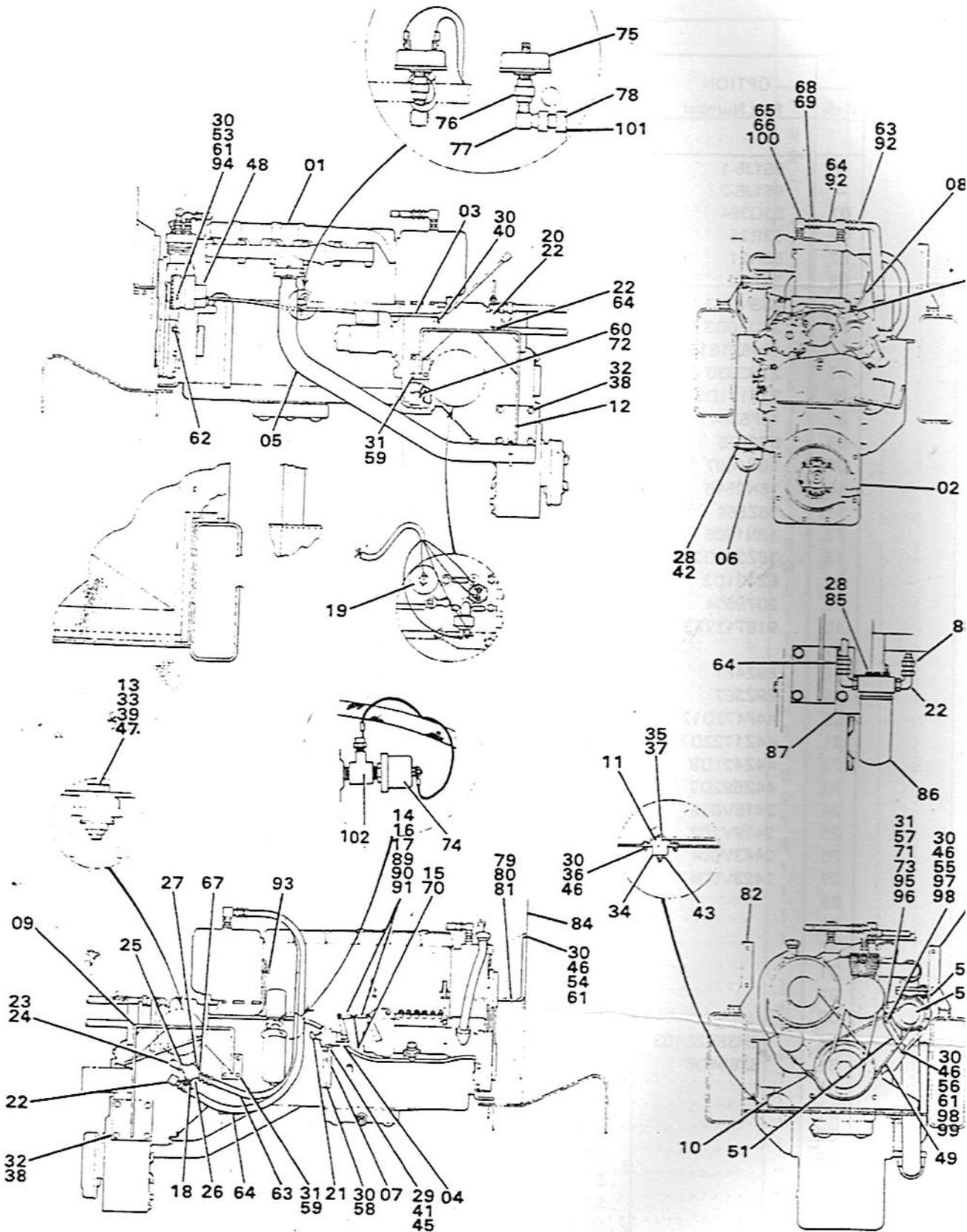
POWER PLANT ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Num			
			2	3	4	5
46	44Z1723D7	. ELBOW 1/4NPT x 1/4T	1	1	1	1
47	79Z3110	. SWITCH, Engine	1	1	1	1
48	44Z591D17	. ELBOW	5	5	5	5
49	44Z421D8	. ELBOW	1	1	1	1
50	44Z692D7	. ADAPTER	1	1	1	1
51	2416V019	. ELBOW, 90°	1	1	1	1
52	2419V102	. NIPPLE	1	1	1	1
53	2443V004	. CROSS	1	1	1	1
54	44Z590D18	. CONNECTOR	1	1	1	1
55	2423V004	. PLUG, Pipe	1	1	1	1
56	44Z590D17	. CONNECTOR, Male	4	4	4	4
57	20Q1D38	. SCREW, Shoulder	4	4	4	4
58	18H3892D436	. WASHER, Flat	16	16	16	16
59		. WASHER, Lock 5/16 in.	2	2	2	2
60		. WASHER, Lock 1/4 in.	25	29	29	29
61		. WASHER, Lock 3/8 in.	2	2	2	2
62		. WASHER, Lock 7/16 in.	12	12	12	12
63		. WASHER, Lock 1/2 in.	-	4	4	4
64		. SCREW, Hex hd. cap 3/8 in.—16UNC x 3/4 in.	8	8	8	8
65		. WASHER, Lock 3/4 in.	2	2	2	2
66	3644V060	. WASHER, Flat	2	2	2	2
67	18H3892D103	. WASHER, Flat	4	4	4	4
68		. SCREW, Hex hd. cap 3/8 in.—16UNC x 1 in.	3	3	3	3
69	20Z646D508	. SCREW, 5/16 in. Gr. 5 5/8 in. lg.	4	4	4	4
70	20Z646D400	. SCREW, Hex hd. cap 3/8 in.—16UNC x 7/8 in.	2	2	2	2
71		. SCREW, Hex hd. cap 1/2 in.—13UNC x 3-1/2 in.	4	4	4	4
72		. WASHER, Flat 1/2 in.	4	4	4	4
73		. SCREW, Hex hd. cap 3/8 in.—16UNC x 3-1/2 in.	2	2	2	2
74		. SCREW, Hex hd. cap 7/16 in.—14UNC x 1 in.	12	12	12	12
75		. SCREW, Hex hd. cap 1/2 in.—13UNC x 1-1/4 in.	8	8	8	8
76		. SCREW, Hex hd. cap 3/4 in.—10UNC x 1-1/2 in.	2	2	2	2
77		. SCREW, Hex hd. cap 1—8UNC x 4 in.	12	12	12	12
78		. SCREW, He xhd. cap 3/8 in.—16UNC x 1-1/4 in.	2	2	2	2
79		. SCREW, Hex hd. cap 1/4 in.—20UNC x 7/8 in.	5	5	5	5
80		. SCREW, Hex hd. cap 5/16 in.—18UNC x 3/4 in.	8	8	8	8
81		. NUT, 5/16 in.—18 hex	2	2	2	2
82	20Z716D14	. NUT, 1/2 in.—13UNC lock	1	1	1	1
83		. NUT, 3/8 in.—16UNC jam.	2	2	2	2
84		. NUT, 1/4 in.—20UNC hex.	2	2	2	2
85		. NUT, 5/16 in.—24UNF hex.	5	9	9	9
86		. NUT, 3/8 in.—16UNC hex.	2	2	2	2
87	20Z716D25	. NUT, 1—8UNC lock.	1	1	1	1
88	44Z210D1	. REDUCER, Pipe 1/4 x 1/8	6	4	4	4
89		. WASHER, Plain 3/8 in.	1	1	1	1
90		. WASHER, Plain 5/8 in.	1	-	-	-
91	52U140	. RADIATOR	1	-	-	-
-	1052Z57	. CAP, Rad.	1	-	-	-
92	27P3339	. COVER	1	-	-	-
93	27J2030	. COVER, Oil pan	4	-	-	-
94	16T7739	. BRACKET	-	-	-	-

POWER PLANT ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			2	3	4	5
95	32Z1742	. CLAMP, Beam .....	2	-	-	2
96	27J2026	. COVER .....	1	-	-	1
97	18F2331D7	. WASHER, Flat .....	4	-	-	4
98	16Q49D35	. CUSHION, Two piece. ....	4	-	-	4
99	20Q1D21	. SCREW, Shoulder .....	4	-	-	4
100		. SCREW, Hex hd. cap 5/16 in.—18UNC x 1-1/4 in. ....	8	-	-	8
101		. SCREW, Hex hd. cap 5/16 in.—18UNC x 1/2 in. ....	6	-	-	6
102	18F2331D8	. WASHER, Flat .....	2	-	-	2
-	953N13-3	. SHIFTER INSTALL., TRANS. (Page 5.1) .....	1	1	1	1
-	937J6-1	. PUMP INSTALL. ASSY. (Page 3-9.1) .....	1	1	1	1

# POWER PLANT ASSEMBLY



POWER PLANT ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Qu	
			Figure	
			1	2
-	951J6-1	POWER PLANT ASSY., - DEUTZ ENG.	1	1
-	951J6-2	POWER PLANT ASSY., - DEUTZ ENG.	1	1
01	51Q394	. ENGINE, Deutz . . . . .	-	1
02	53R26	. TRANSMISSION (Page 6.1) . . . . .	1	-
02	53R21	. TRANSMISSION (Page 6.1) . . . . .	1	1
03	79R39	. HARNESS, Eng. & trans. . . . .	1	1
-	938N23-1	. PARKING BRAKE ASSY. (Page 2.1) . . . . .	1	1
04	36U30D3	. VALVE, Air throttle . . . . .	1	1
-	1045Z1615	. . KIT, Valve repair . . . . .	1	1
05	27N3330	. TUBE, Exhaust . . . . .	1	1
06	32Z171D5	. CLAMP, Exhaust . . . . .	1	1
07	16P5384	. BRACKET . . . . .	1	1
08	6T2675	. HANDLE . . . . .	1	1
09	18N1607	. BRACKET, Mtg. - R.H. . . . .	1	1
10	16N2546	. BRACKET, Frt. eng. mtg. . . . .	2	2
11	16Z569	. MOUNT, Rubber . . . . .	1	1
12	18N1606	. BRACKET, Mtg. L.H. . . . .	2	2
13	16Z209D23	. MOUNT, Rubber . . . . .	2	1
14	6Z131D3	. END, Yoke . . . . .	1	1
15	20T9504	. ROD, Connecting . . . . .	2	1
16	919T117F3	. PIN ASSY. . . . .	1	1
17		. . PIN, Cotter 3/32 x 1/2 in. lg. . . . .	1	1
18	89Z481	. SENDING UNIT, Trans. temp. . . . .	1	1
19	89Z307	. SENDING UNIT, Clutch press. . . . .	1	1
20	44P472D12	. HOSE . . . . .	1	1
21	44Z1723D7	. ELBOW, 1/4NPT x 1/4 T . . . . .	3	5
22	44Z421D8	. ELBOW . . . . .	1	1
23	44Z692D7	. ADAPTER . . . . .	1	1
24	2416V019	. ELBOW, 90° . . . . .	1	1
25	2419V102	. NIPPLE . . . . .	1	1
26	2443V004	. CROSS . . . . .	1	1
27	2423V004	. PLUG, Pipe . . . . .	2	5
28		. WASHER, Lock 5/16 in. . . . .	2	2
29		. WASHER, Lock 1/4 in. . . . .	26	26
30		. WASHER, Lock 3/8 in. . . . .	8	9
31		. WASHER, Lock 1/2 in. . . . .	8	8
32		. WASHER, Lock 3/4 in. . . . .	2	2
33		. WASHER, Flat 1 in. . . . .	2	2
34	18H3892D103	. WASHER, Flat 17/32 in. . . . .	4	4
35	18Z694D6	. WASHER, Flat 1/2 in. . . . .	2	2
36		. SCREW, Hex hd. cap 3/8 in. -16UNC x 7/8 in. . . . .	2	2
37		. SCREW, Hex hd. cap 1/2 in. -13UNC x 3-1/2 in. . . . .	8	8
38		. SCREW, Hex hd. cap 3/4 in. -10UNC x 1-1/2 in. . . . .	2	2
39		. SCREW, Hex hd. cap 1-8UNC x 4 in. . . . .	12	12
40		. SCREW, Hex hd. cap M10x30 metric . . . . .	2	2
41		. SCREW, Hex hd. cap 1/4 in. -20UNC x 7/8 in. . . . .	2	2
42		. NUT, Hex 5/16 in. -18UNC. . . . .	2	2
43	20Z716D14	. NUT, Lock 1/2 in. -13UNC. . . . .	1	1
44		. NUT, Jam 3/8 in. -16UNC . . . . .	2	2
45		. NUT, Hex 1/4 in. -20UNC . . . . .		

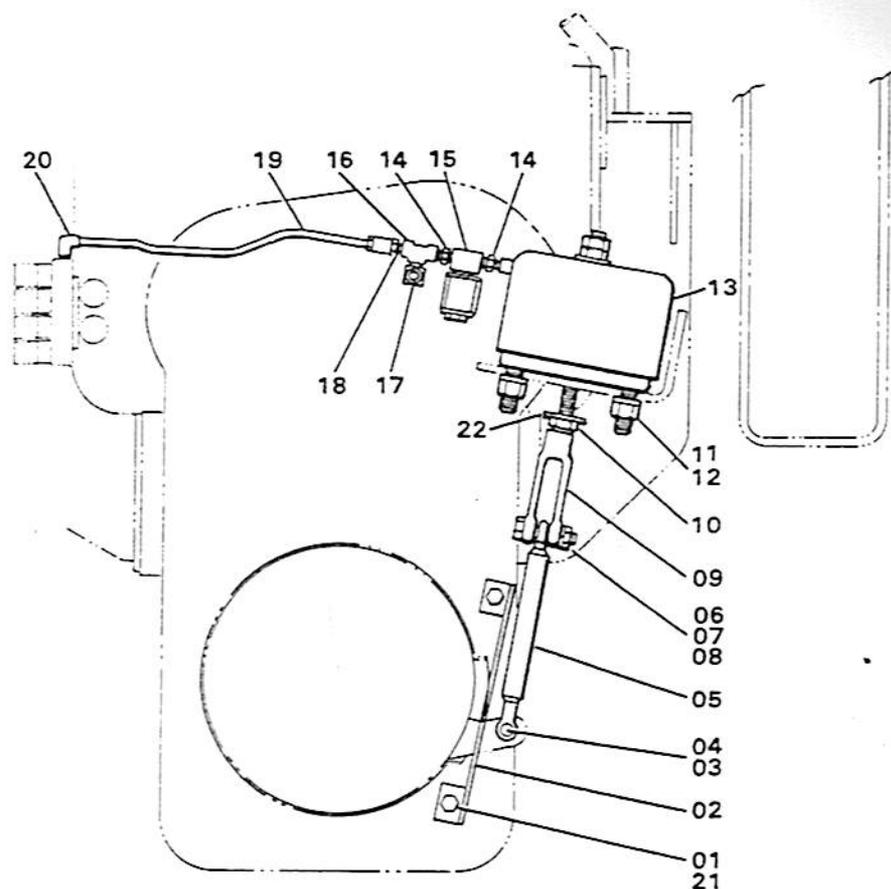
POWER PLANT ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
			1	2
46		. NUT, Hex 3/8 in.—16UNC	9	7
47	20Z716D25	. NUT, Lock 1 in.—8UNC	2	2
—	953N13-2	. TRANSMISSION SHIFT INSTALL. (Page 5.1)	—	1
—	937J6-1	. PUMP INSTALL. TRANS. HYD. (Page 3-9.1)	1	1
48	88U14D1	. ALTERNATOR	1	1
—	49Z268	. . BLADE, Bi-directional fan	1	1
—	73Z35	. . BRUSH ASSY.	1	1
—	79Z3104	. . REGULATOR	1	1
49	7Z277D471	. V-BELT	1	1
50	7Q17D5	. PULLEY	1	1
51	16P5421	. BRACKET, Alt. mtg.	1	1
52	16P5420	. BRACKET, Alt. mtg.	1	1
53		. SCREW, Hex hd. cap 3/8 in.—16UNC x 3/4 in. lg.	1	1
54		. SCREW, Hex hd. cap 3/8 in.—16UNC x 1 in. lg.	4	4
55		. SCREW, Hex hd. cap 3/8 in.—16UNC x 4 in. lg.	1	—
56		. SCREW, Hex hd. cap 3/8 in.—16UNC x 4-1/2 in. lg.	1	—
57		. SCREW, Hex hd. cap 7/16 in.—14UNC x 2-1/4 in. lg.	1	—
58	20Z1903D3	. SCREW, Hex hd. cap M8 x 20 metric	2	2
59	20Z1903D1	. SCREW, Hex hd. cap M12 x 45 metric	8	8
60	20Z1904D2	. SCREW, Soc. hd. M10 x 70 metric	8	8
61		. WASHER, Flat 3/8 in.	5	13
62	18P929D12	. SPACER	1	1
63	44P472D9	. HOSE ASSY., 5/8 in. I.D.	1	—
64	44P472D10	. HOSE ASSY., 5/8 in. I.D.	2	1
65	44Z473D10	. ELBOW, 90°	2	2
66	44Z1942D8	. ADAPTER, Conversion.	2	2
67	44Z590D18	. CONNECTOR, Male.	1	1
68	44Z492D8	. REDUCER, Tube end.	2	2
69	20Z649D10	. NUT	2	2
70		. NUT, Hex jam 5/16 in.—24	2	2
71		. NUT, Hex 7/16 in.—14UNC	1	—
72		. WASHER, Flat 7/16 in.	8	—
73		. WASHER, Lock 7/16 in.	1	—
74	89Z319	. SENDING UNIT, Oil temp.	1	1
75	89Z138	. SWITCH, Oil press.	1	1
76	44Z209D1	. COUPLING, Pipe.	1	1
77	44Z1454D1	. ELBOW, 90°	1	1
78	44Z1942D1	. ADAPTER, Metric to 37° JIC	1	1
79	16Q49D46	. CUSHION	4	4
80	20Q1D38	. SCREW, Shoulder	4	4
81	18H3892D436	. WASHER, Flat	4	4
82	16P5702	. BRACKET, Mtg. R.H.	1	1
83	16P5701	. BRACKET, Mtg. L.H.	1	1
84	27N3362	. SHROUD, Oil cooler	1	1
—	953P3-2	. SHIFTER INSTALL. TRANS. (Page 5.2)	1	—
85	20Z646D508	. SCREW, Hex hd. cap 5/16 in.—18 x 5/8 in. lg. Gr. 5.	—	3
86	46Q40	. FILTER, Trans. (Page 6.1 — Sht. 17).	—	1
87	16N2617	. BRACKET, Trans. filter	—	1
88	44P472D2	. HOSE ASSY., 5/8 in. I.D.	—	1
89	6Z454	. CLEVIS	—	1

POWER PLANT ASSEMBLY (Continued)

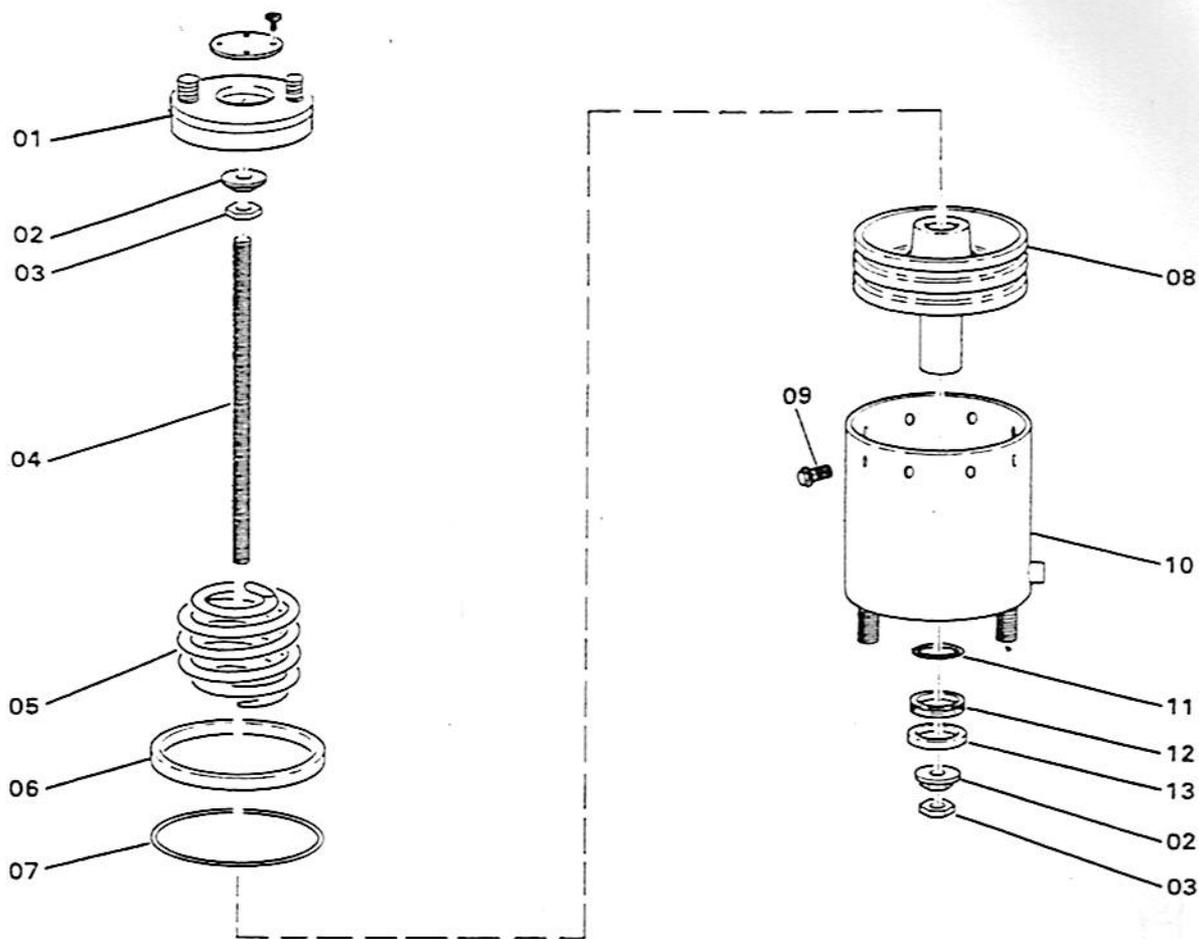
Ref.	Part Number	Description	Quantity	
			Figure Num	
			1	2
90	919T117F2	. PIN ASSY. ....	-	1
91		. PIN, Cotter 1/16" x 7/16" . . . . .	-	1
92	44P1837D1	. HOSE ASSY., 5/8" I.D. . . . .	-	2
93	32Z423D4	. CLAMP . . . . .	-	1
94		. SCREW, Hex hd. cap 3/8"-16UNC x 1" lg. . . . .	-	1
95		. SCREW, Hex hd. cap 1/2"-13UNC x 2" lg. . . . .	-	1
96		. NUT, Hex 1/2-13UNC. . . . .	-	1
97		. SCREW, Hex hd. cap 3/8"-16UNC x 3-1/2" lg. . . . .	-	3
98	20Z1081D4	. NUT, Hex 3/8"-16UNC. . . . .	-	1
99		. SCREW, Hex hd. cap 3/8"-16UNC x 5" lg. . . . .	-	2
100	18Z1672D15	. WASHER. . . . .	-	1
101	18Z1672D8	. WASHER. . . . .	-	1
102	44Z257D1	. TEE, Street . . . . .		

## PARKING BRAKE ASSEMBLY



Ref.	Part Number	Description	Quantity			
			Figure Number			
			1			
-	938N23-1	PARKING BRAKE ASSEMBLY	1			
01		. SCREW, Hex hd. cap 1/2-13UNC x 1-1/2 in.	2			
02	16P5269	. BRACKET, Parking brake	1			
03	919T117-5	. PIN ASSY., Clevis	1			
04		. PIN, Cotter 3/32 x 3/4 in. lg.	1			
05	6T2676	. LINK, Extension	1			
06	19Z150D5	. PIN, Clevis	1			
07		. PIN, Cotter	1			
08		. NUT, Hex 3/8-16UNC	-			
09	6Z131D9	. YOKE, End, adjustable	1			
10		. NUT, Hex jam 5/8-18UNF	1			
11		. NUT, Hex 5/8-18UNF	2			
12		. WASHER, Lock 5/8 in.	2			
13	38T28	. ACTUATOR, Parking brake (Page 3.1)	1			
14	44Z943D1	. NIPPLE, Reducer 1/8 x 1/4 in.	2			
15	36Z871	. VALVE, Air solenoid	1			
16	44Z285D2	. TEE	1			
17	44Z1587D4	. ELBOW, 90°	1			
18	44Z1813D8	. CONNECTOR	1			
19	20Z1411D2	. TUBE, Nylon 1/4 in. x 14 in. lg.	AR			
20	44Z1723D6	. ELBOW, 90° male	1			
21		. WASHER, Lock 1/2 in.	2			
22		. WASHER, Flat 5/8	11			

## BRAKE ACTUATOR

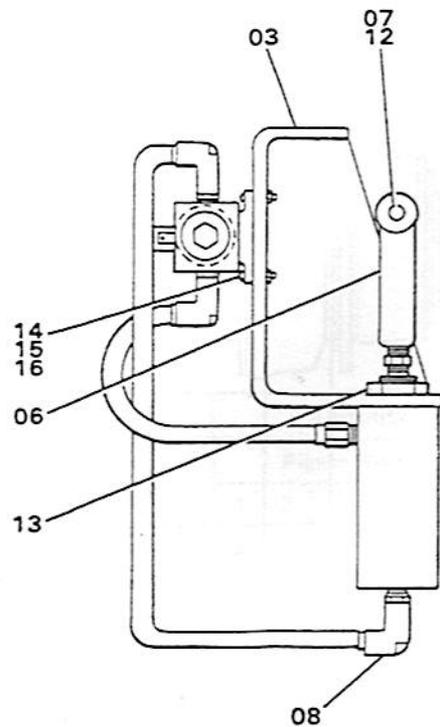
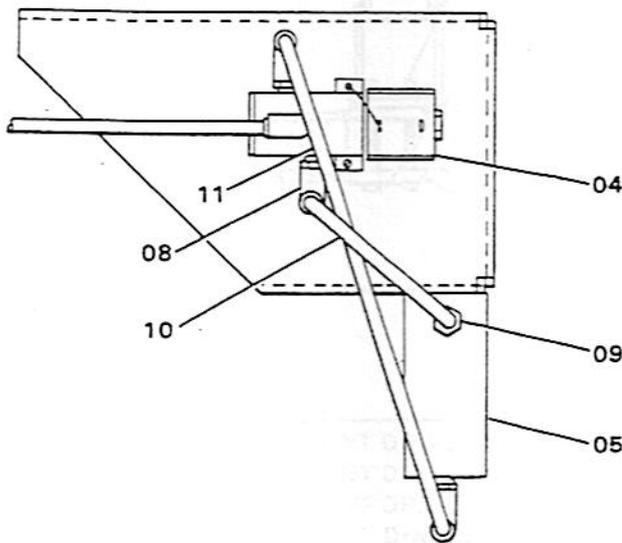
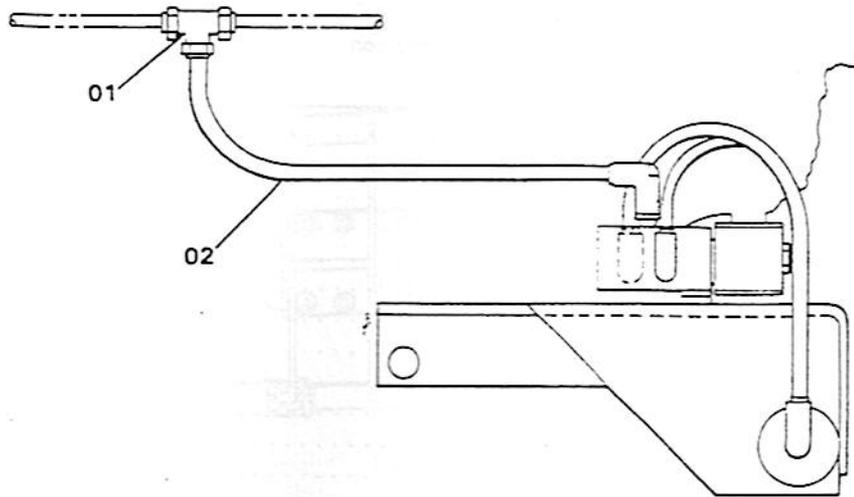


Ref.	Part Number	Description	Quantity			
			Figure Number			
-	38T28	BRAKE ACTUATOR ASSEMBLY	1			
01	1014Z1548	. PLATE, Stud mounting	1			
02	1020Z4414	. NUT, Flange	2			
03	1020Z2696	. NUT, Jam	2			
04	1020Z4416	. STUD	1			
05	1017Z1049	. SPRING	1			
06	See Note	. RING, Wiper	1			
07	See Note	. SEAL, O-ring (large)	1			
08	1039Z456	. PISTON ASSEMBLY	1			
09	1020Z2694	. CAPSCREW	8			
10	1038Z281	. CYLINDER ASSEMBLY	1			
11	See Note	. SEAL, O-ring (small)	1			
12	See Note	. BUSHING, Nylon	1			
13	See Note	. RING, Back-up	1			
-	See Note	. LUBE	1			
14	1045Z893	. KIT, Seal	1			

### NOTE

When resealing brake, seal kit 1045Z893 must be ordered.

### SHIFT ASSEMBLY – POWER RANGE

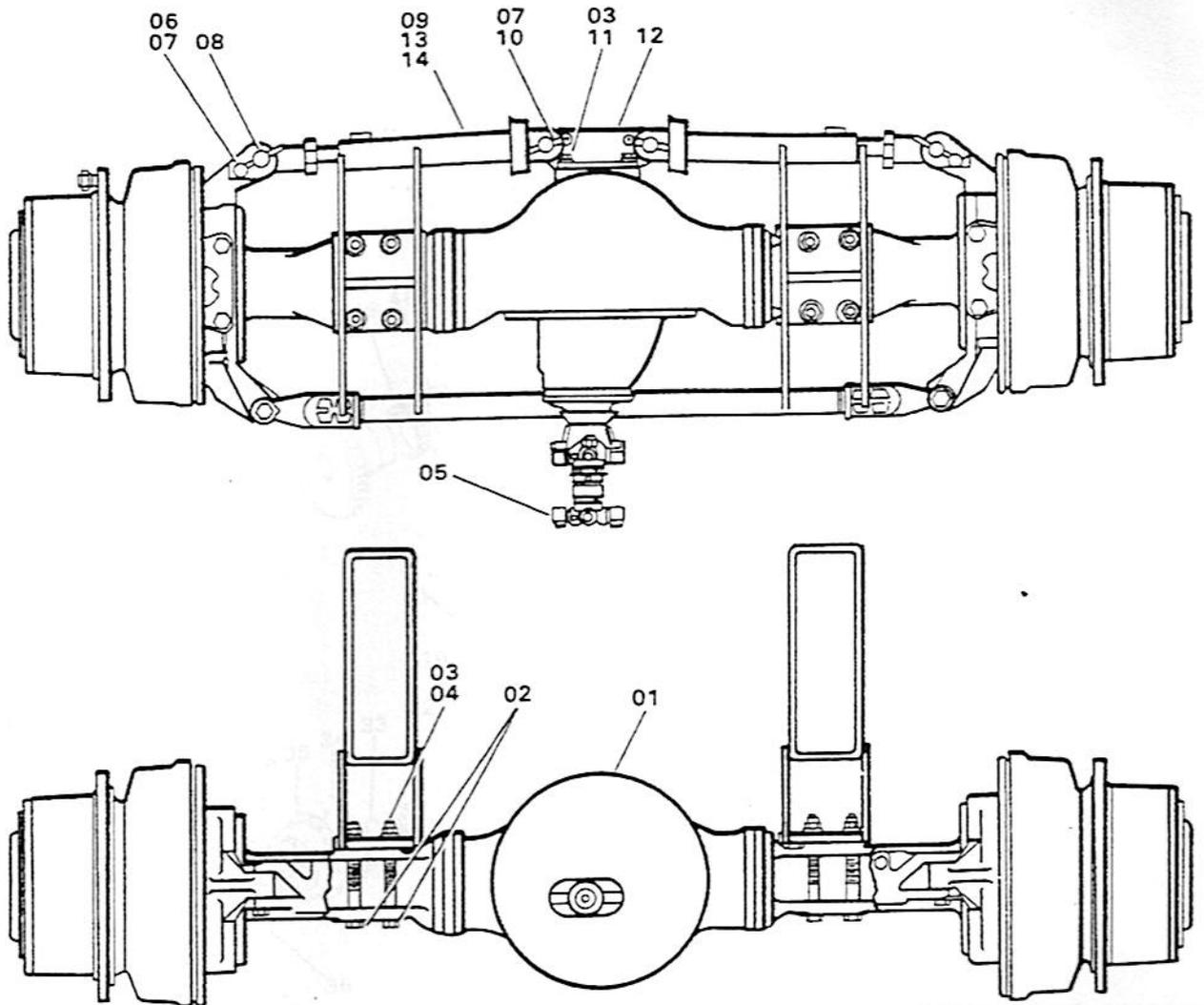


Ref.	Part Number	Description	Quantity			
			Figure Number			
-	906J43-4	SHIFT ASSEMBLY – POWER RANGE	4			
01	44Z1727D4	. TEE	1			
02	20Z1411D2	. TUBE, Nylon	1			

### SHIFT ASSEMBLY – POWER RANGE (Continued)

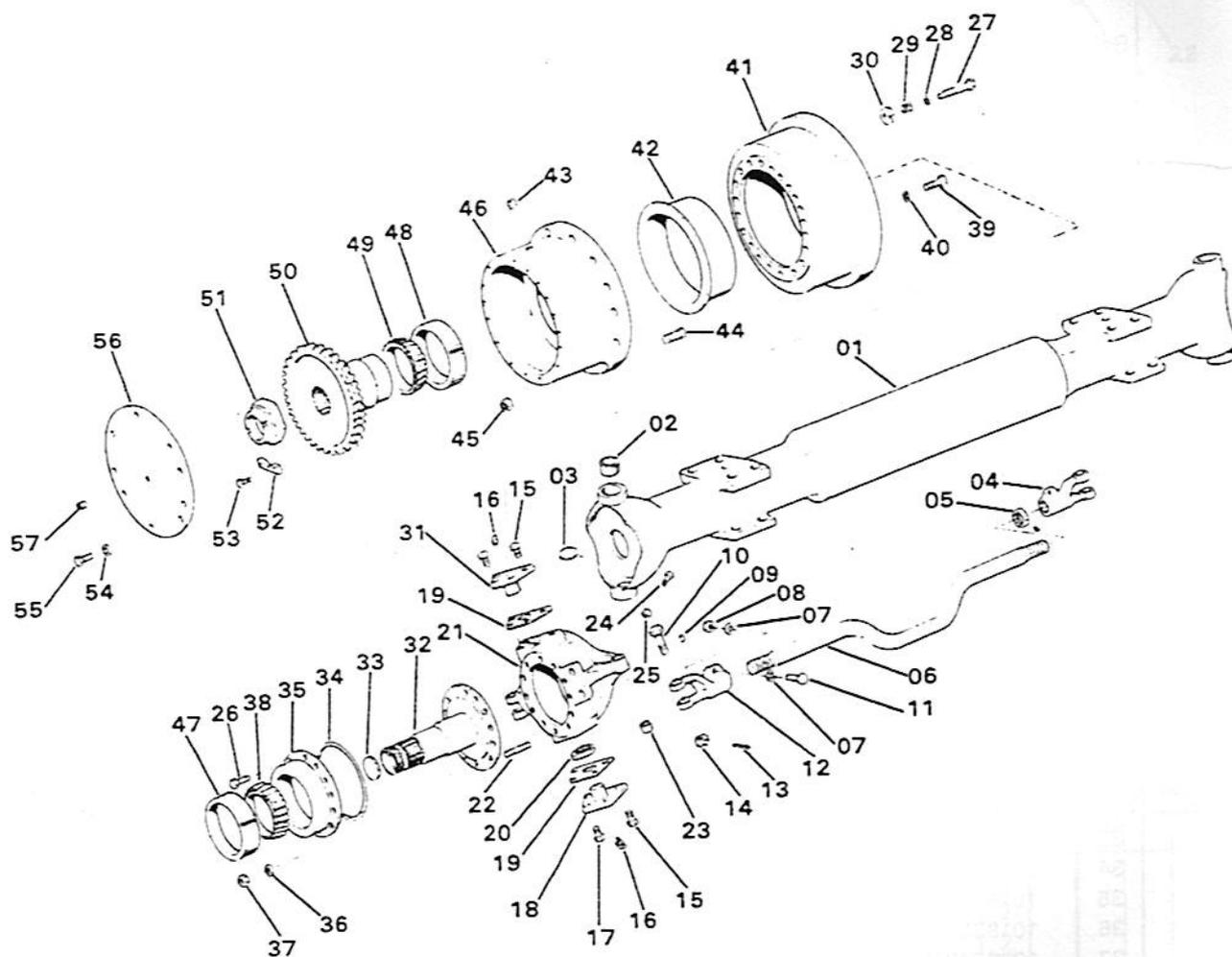
Ref.	Part Number	Description	Quantity			
			Figure Num			
			4			
—	906N60-1	. SHIFT ASSEMBLY, Power . . . . .	1			
03	16N2672	.. BRACKET, Mtg. . . . .	1			
04	36Q284D2	.. VALVE, Solenoid . . . . .	1			
05	38Z345	.. CYLINDER, Shift . . . . .	1			
06	6Z629	.. CLEVIS . . . . .	1			
07	19Z148D6	.. PIN . . . . .	1			
08	44Z1723D6	.. ELBOW, 90°. . . . .	4			
09	44Z1813D7	.. CONNECTOR. . . . .	1			
10	20Z1411D2	.. TUBE, Nylon 1/4 x 9" . . . . .	1			
11	20Z1411D2	.. TUBE, Nylon 1/4 x 18" . . . . .	1			
12		.. PIN, Cotter. . . . .	1			
13		.. NUT, 3/4"—16UNF . . . . .	1			
14		.. WASHER, Lock #10 . . . . .	2			
15		.. SCREW, #10-32-3/4" . . . . .	2			
16		.. NUT, #10-32UNC . . . . .	2			

### FRONT DRIVE STEER AXLE INSTALLATION



Ref.	Part Number	Description	Quantity		
			Figure Number		
			1	2	4
-	910N534-1	FRONT DRIVE STEER AXLE INSTALLATION			
-	910N534-2	FRONT DRIVE STEER AXLE INSTALL. - FIRE RES. FLUIDS			
-	910N534-4	FRONT DRIVE STEER AXLE INSTALLATION			
01	10R21D1	. AXLE, Drive steer (Page 17.1)	1	1	1
02		. SCREW, Hex hd. cap 3/4-10UNC x 8-1/2 in.	8	8	8
03		. WASHER, Hardened flat 3/4 in.	12	12	12
04		. NUT, Hex 3/4-10UNC.	8	8	8
05	10Q39	. SHAFT, Drive.	1	1	1
06		. SCREW, Hex hd. cap 1/2-20UNF x 1-1/2 in.	2	2	2
07	720T15	. ROD END	4	4	4
08	19T5942	. PIN, Cylinder	4	4	4
09	38R74	. CYLINDER, Steering (Page 24.1)	2	-	-
10	20Q1D39	. SCREW, Hex hd. shoulder 3/8-16UNC x 1-3/4 in.	2	2	2
11		. SCREW, Hex hd. cap 3/4-10UNC x 1-3/4 in.	4	4	4
12	16P5519	. BRACKET, Steering cylinder.	1	1	1
13	38R98	. CYLINDER, Steering (Page 24.2)	-	2	-
14	38R109	. CYLINDER, Steering (Page 24.3)	-	-	2

# AXLE ASSEMBLY

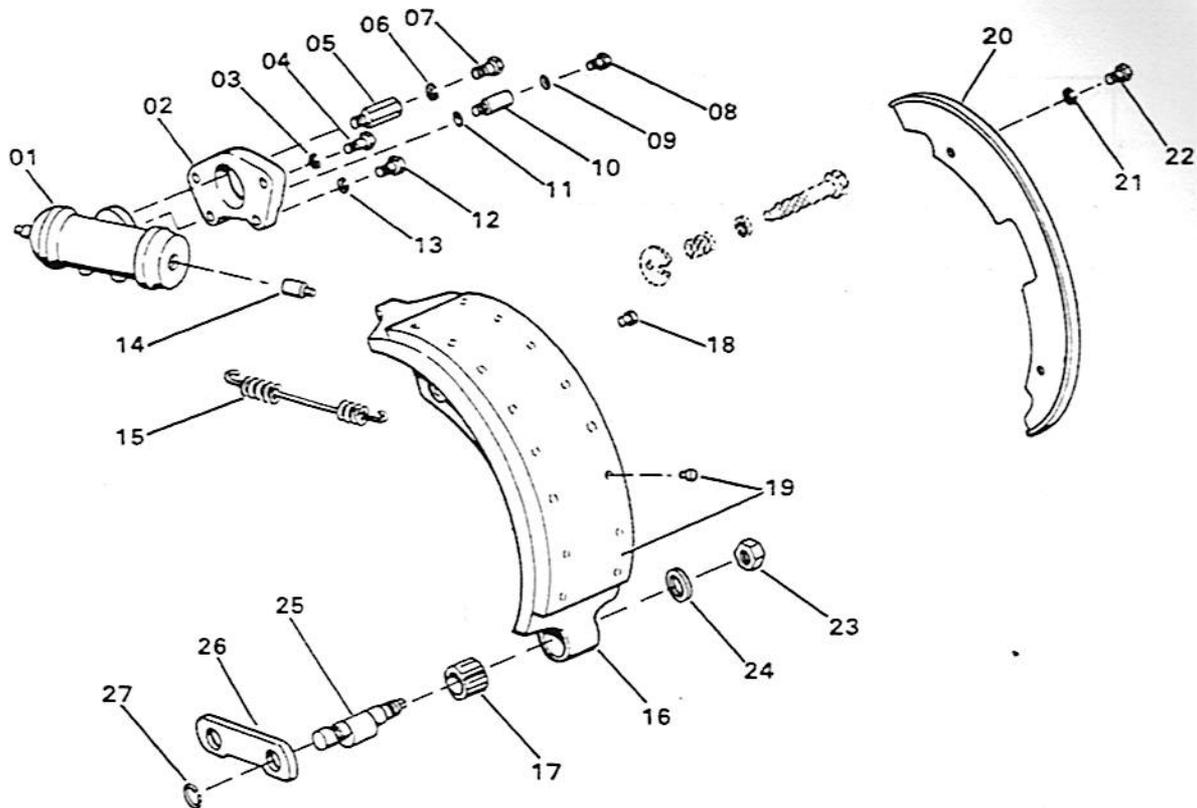


Ref.	OPTION Part Number	Description	Quantity	
			Figure	Number
-	10J61	AXLE ASSEMBLY	1	
01	1010Z1193	. CENTER, Axle	4	
02	1005Z376	. BUSHING	4	
03	1020Z3304	. PLUG, Expansion	1	
04	1006Z769	. YOKE, Tie rod 16 thrd.	1	
05	1020Z3301	. NUT, Yoke.	1	
06	1020Z5685	. ROD, Tie	4	
07	1018Z5648	. WASHER, Clamp bolt	2	
08	1020Z4989	. NUT, Clamp bolt.	2	
09	1019Z747	. PIN, Lock	2	
10	1020Z3293	. BOLT, Yoke.	2	

AXLE ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
11	1020Z5683	. BOLT, Yoke clamp	2			
12	1006Z768	. YOKE, Tie rod, 12 thrd.	1			
13	1020Z949	. COTTER, Yoke bolt	2			
14	1020Z3300	. NUT, Yoke bolt	2			
15	1020Z3329	. CAPSCREW, Inner.	8			
16	1044Z536	. FITTING, Grease.	4			
17	1020Z5000	. CAPSCREW, Outer	8			
18	1025Z1548	. CAP, Steer knuckle, lower	2			
19	1020Z3318	. SHIM, .003 in.	AR			
19	1020Z3319	. SHIM, .005 in.	AR			
19	1020Z3320	. SHIM, .020 in.	AR			
20	1018Z5295	. WASHER, Thrust	2			
21	1018Z4351	. STEERING KNUCKLE ASSEMBLY	2			
22	1020Z4997	.. STUD, Spindle to knuckle	20			
23	1005Z410	.. BUSHING	2			
24	1020Z4999	.. SCREW, Stop	2			
25	1020Z2733	.. NUT, Stopscrew jam.	2			
26	1020Z4406	.. SCREW, Spindle to knuckle	4			
27	1020Z3323	.. BOLT, Brake adj. cam.	4			
28	1018Z3498	.. WASHER, Brake shoe adj. cam.	4			
29	1017Z800	.. SPRING, Adj. cam.	4			
30	1018Z3503	.. CAM, Brake shoe adj.	4			
31	1025Z1549	. CAP, Steering knuckle, upper.	2			
32	1025Z1989	. SPINDLE, Wheel bearing.	2			
33	1020Z4408	. PLUG, Expansion	2			
34	1045Z704	. O-RING, Hub	2			
35	1018Z3367	. RETAINER ASSEMBLY	2			
36	1018Z2970	. WASHER, Spindle to knuckle	24			
37	1020Z4355	. NUT, Lock	20			
38	1025Z1160	. CONE, Inner.	2			
39	1020Z4998	. CAPSCREW, Drum to hub	38			
40	1018Z2799	. WASHER, Drum to hub	38			
41	1013Z171	. DRUM, Brake	2			
42	1018Z2835	. SLINGER, Oil.	2			
43	1020Z2980	. PLUG, Oil drain	2			
44	1020Z2454	. STUD, Wheel	24			
45	20Z962D2	. NUT, Wheel stud	24			
46	1013Z199	. WHEEL HUB ASSEMBLY	2			
47	1025Z1159	.. CUP, Inner	2			
48	1025Z1154	.. CUP, Outer	2			
49	1025Z1153	. CONE, Outer	2			
50	1013Z338	. HUB, Ring gear	2			
51	1020Z4880	. NUT, Hub bearing	2			
52	1018Z4759	. LOCK, Nut	2			
53	1020Z4896	. SCREW, Nut lock	4			
54	1018Z2542	. WASHER, Cover to hub	18			
55	1020Z2922	. CAPSCREW, Cover to hub	18			
56	1014Z1679	. COVER, Hub	2			
57	1020Z2994	. PLUG, Oil level	2			
-	N S S	BRAKE GROUP (Page 15 1)	2			

### BRAKE GROUP

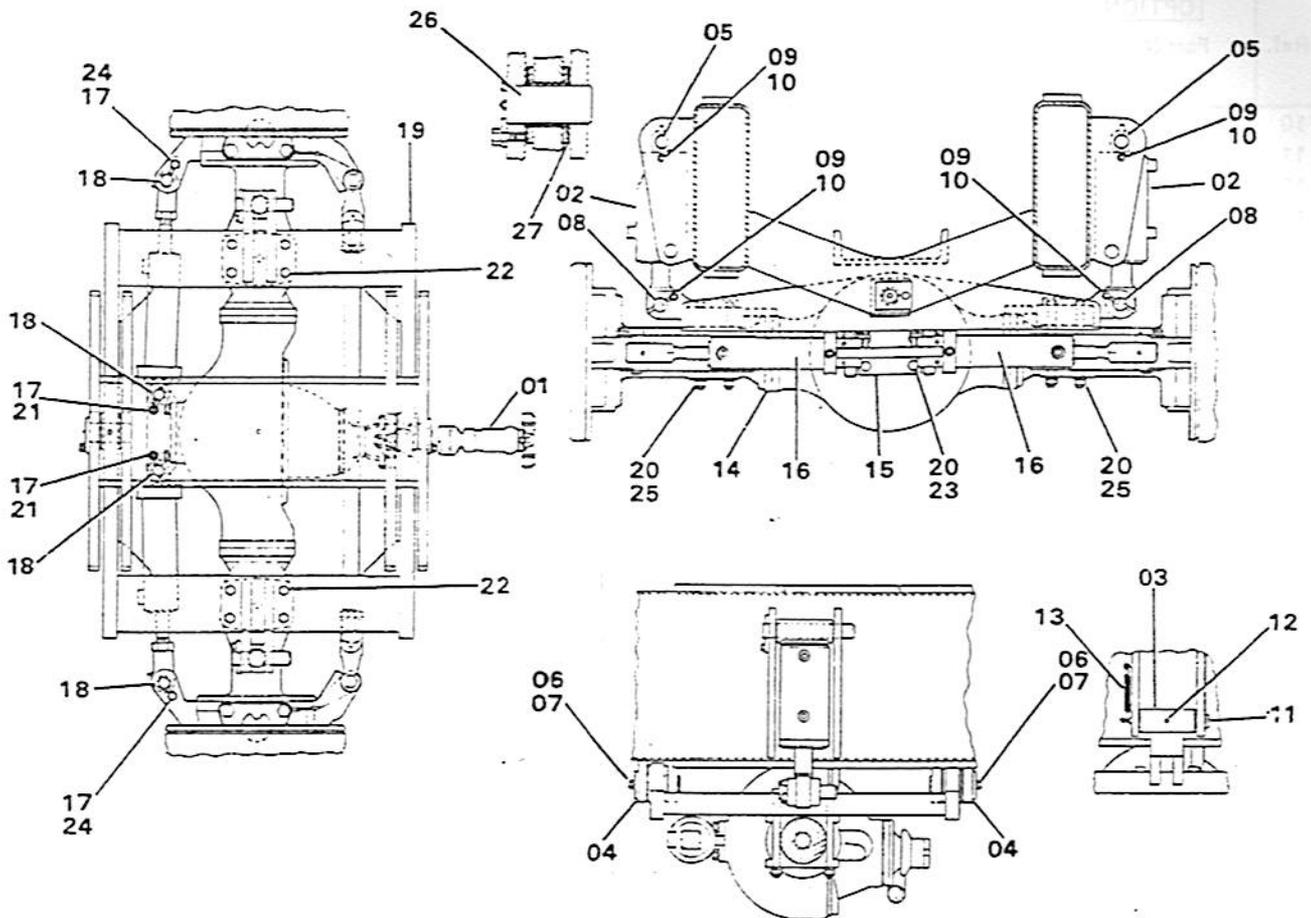


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-		BRAKE GROUP	Y			
01	1038Z289	. WHEEL CYLINDER ASSEMBLY. . . . .	2			
02	1020Z3325	. ADAPTER, Wheel cylinder . . . . .	2			
03	18Z332	. WASHER, Lock . . . . .	4			
04	1020Z3328	. CAPSCREW, Knuckle to wheel adapter . . . . .	4			
05	1020Z5498	. SCREW, Bleeder . . . . .	2			
06	1018Z1544	. WASHER, Lock . . . . .	2			
07	1020Z5497	. CAPSCREW, Bleeder . . . . .	2			
08	1020Z5499	. FITTING, Inlet . . . . .	2			
09	1020Z2497	. GASKET, Inlet connection . . . . .	2			
10	1044Z447	. EXTENSION, Inlet connection . . . . .	2			
11	1020Z2497	. GASKET, Inlet connection . . . . .	2			
12	1020Z2232	. CAPSCREW, Cylinder to adapter . . . . .	4			
13	1020Z583	. WASHER, Lock . . . . .	4			
14	1006Z412	. LINK, Connector. . . . .	4			
15	1017Z348	. SPRING, Brake shoe return. . . . .	2			
16	1015Z1150	. BRAKE SHOE ASSY., R.H. fwd. and L.H. rev. . . . .	2			
17	1005Z104	.. BUSHING . . . . .	1			
18	1021Z77	.. PIN, Brake shoe. . . . .	1			
19	1015Z1141	.. KIT, Lining. . . . .	1			
16	1015Z1149	. BRAKE SHOE ASSY., L.H. fwd. and R.H. rev. . . . .	2			
17	1005Z104	.. BUSHING . . . . .	1			
18	1021Z77	.. PIN, Brake shoe. . . . .	1			

BRAKE GROUP (Continued)

Ref.	OPTION Part Number	Description	Quant	
			Figure N	
19	1015Z1141	. . KIT, Lining . . . . .	1	
20	1014Z764	. SHIELD, Dust, Lower R.H. and Upper L.H. . . . .	2	
20	1014Z765	. SHIELD, Dust, Upper R.H. and Lower L.H. . . . .	2	
21	1020Z583	. WASHER, Lock . . . . .	8	
22	1020Z4185	. CAPSCREW, Dust shield. . . . .	8	
23	1020Z1961	. NUT, Brake shoe pin . . . . .	4	
24	1018Z1385	. WASHER, Lock . . . . .	4	
25	1019Z749	. PIN, Brake shoe. . . . .	4	
26	1006Z269	. LINK, Brake shoe . . . . .	2	
27	1018Z2554	. RING, Snap . . . . .	4	

## REAR STEER AXLE INSTALLATION

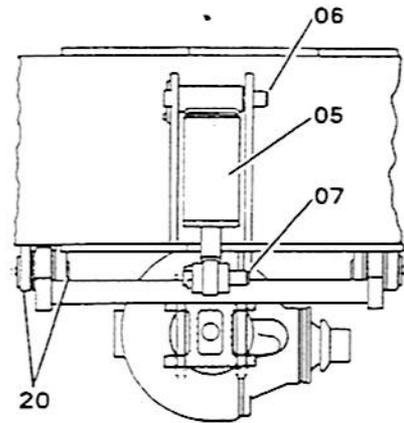
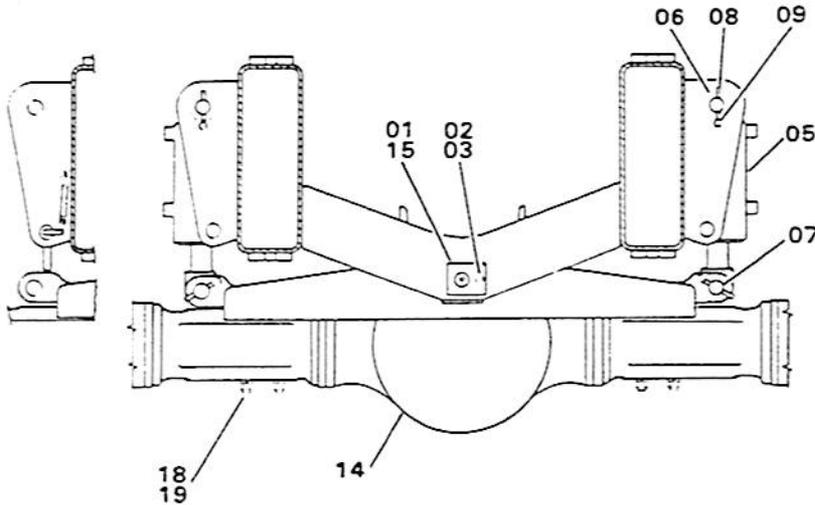
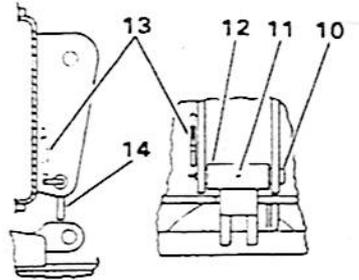
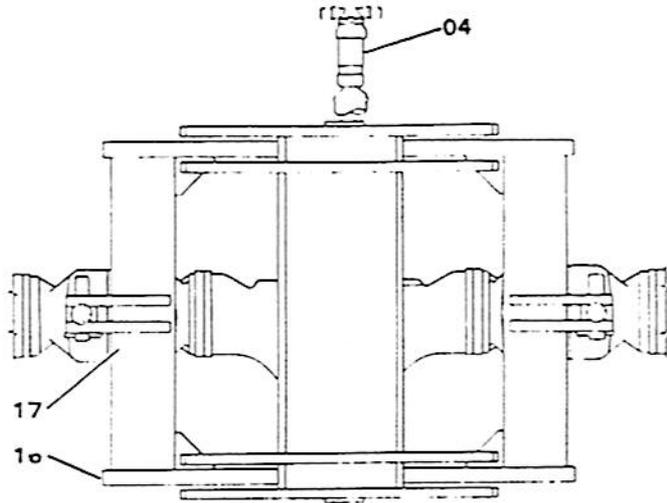


Ref.	OPTION Part Number	Description	Quantity							
			Figure Number							
			3	4	5	6	10	11		
-	910J492-3	AXLE INSTALLATION W/HYD. LOCKOUT								
-	910J492-4	AXLE INSTALLATION W/O HYD. LOCKOUT								
-	910J492-5	AXLE INSTALLATION W/HYD. LOCKOUT								
-	910J492-6	AXLE INSTALLATION W/O HYD. LOCKOUT								
-	910J492-10	AXLE INSTALLATION W/O HYD. LOCKOUT								
-	910J492-11	AXLE INSTALLATION W/HYD. LOCKOUT								
01	10Q34	. SHAFT, Drive. . . . .	1	1	1	1	1	1	1	1
-	1045Z1522	. . KIT, Journal cross & brg . . . . .	2	2	2	2	2	2	2	2
02	938J93-2	. CYLINDER, Axle lockout (Page 21.1). . . . .	2	-	2	-	2	2	2	2
03	18T13016	. LOCK, Osc. . . . .	-	2	-	2	-	-	-	-
04	19T5945F1	. PIN, Suspension . . . . .	2	2	2	2	2	2	2	2
-	44Z1D10	. . FITTING, Grease. . . . .	1	1	1	1	1	1	1	1
05	19T6023	. PIN, Lockout cylinder . . . . .	2	-	2	-	2	2	2	2
06		. SCREW, Hex hd. cap 1/2"-13UNC x 1-1/4" . . . . .	2	2	2	2	2	2	2	2
07		. WASHER, 1/2" . . . . .	2	2	2	2	2	2	2	2
08	19T6024	. PIN, Lockout cylinder . . . . .	2	2	2	2	2	2	2	2
09	720T1D6	. END, Rod . . . . .	4	4	4	4	4	4	4	4

REAR STEER AXLE INSTALLATION (Continued)

Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			3	4	5	6	10
10		. SCREW, Hex hd. cap 3/8"—16UNC x 1-1/4" . . . . .	4	4	4	4	4
11	19T5948	. PIN, Axle lockout . . . . .	—	2	—	2	—
12		. SCREW, Set 1/2 x 1/2 cup pt. . . . .	—	2	—	2	—
13	817T3	. SPRING . . . . .	—	2	—	2	—
—	910J492-1	. AXLE, Sub-assembly . . . . .	1	1	—	—	—
—	910J492-2	. AXLE, Sub-assembly . . . . .	—	—	1	1	—
—	910J492-8	. AXLE, Sub-assembly . . . . .	—	—	—	—	1
—	910J492-9	. AXLE, Sub-assembly . . . . .	—	—	—	—	—
14	10R21D1	. . AXLE (Page 17.1) . . . . .	1	1	—	—	1
14	10R21D2	. . AXLE, No spin (Page 17.1) . . . . .	—	—	1	1	—
15	16P5519	. . BRACKET, Steering cylinder . . . . .	1	1	1	1	1
16	38R74	. . CYLINDER, Steering (Page 24.1) . . . . .	2	2	2	2	—
16	38R109	. . CYLINDER, Steering (Page 24.3) . . . . .	—	—	—	—	2
17	720T15	. . END, Rod . . . . .	4	4	4	4	4
18	19T5942	. . PIN, Cylinder . . . . .	4	4	4	4	4
19	16J971	. . CRADLE, Suspension . . . . .	1	1	1	1	1
20		. . WASHER, 3/4" . . . . .	12	12	12	12	12
21	20Q1D39	. . SCREW, Hex hd. shoulder 3/8"—16UNC—3A x 1-1/2" . . . . .	2	2	2	2	2
22	20Z646D146	. . SCREW, Hex hd. cap 3/4"—10UNC x 9" . . . . .	8	8	8	8	8
23	20Z1036D232	. . SCREW, Hex hd. cap 3/4"—10UNC x 1-3/4" . . . . .	4	4	4	4	4
24	20Z547D76	. . SCREW, Hex hd. cap 1/2"—20UNF x 1-1/2" . . . . .	2	2	2	2	2
25	20Z739D8	. . NUT, Hex 3/4"—10UNC . . . . .	8	8	8	8	8
26	5Z3	. . BUSHING . . . . .	2	2	2	2	2
27	18H3892D133	. . WASHER . . . . .	8	8	8	8	8

## REAR NO STEER AXLE INSTALLATION

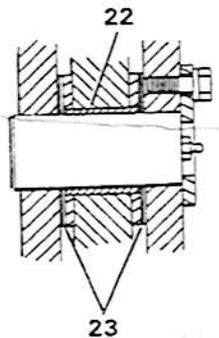
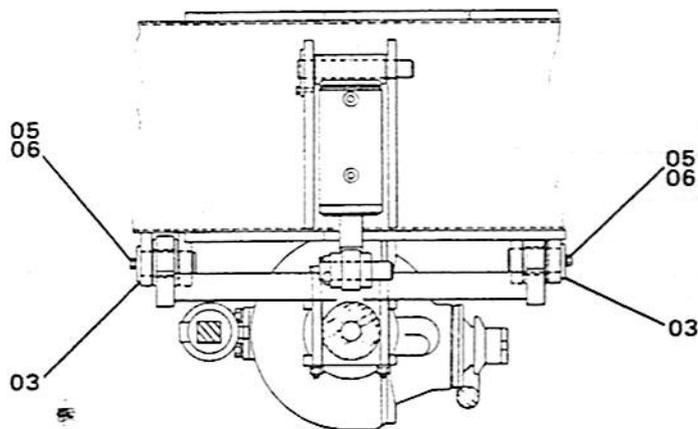
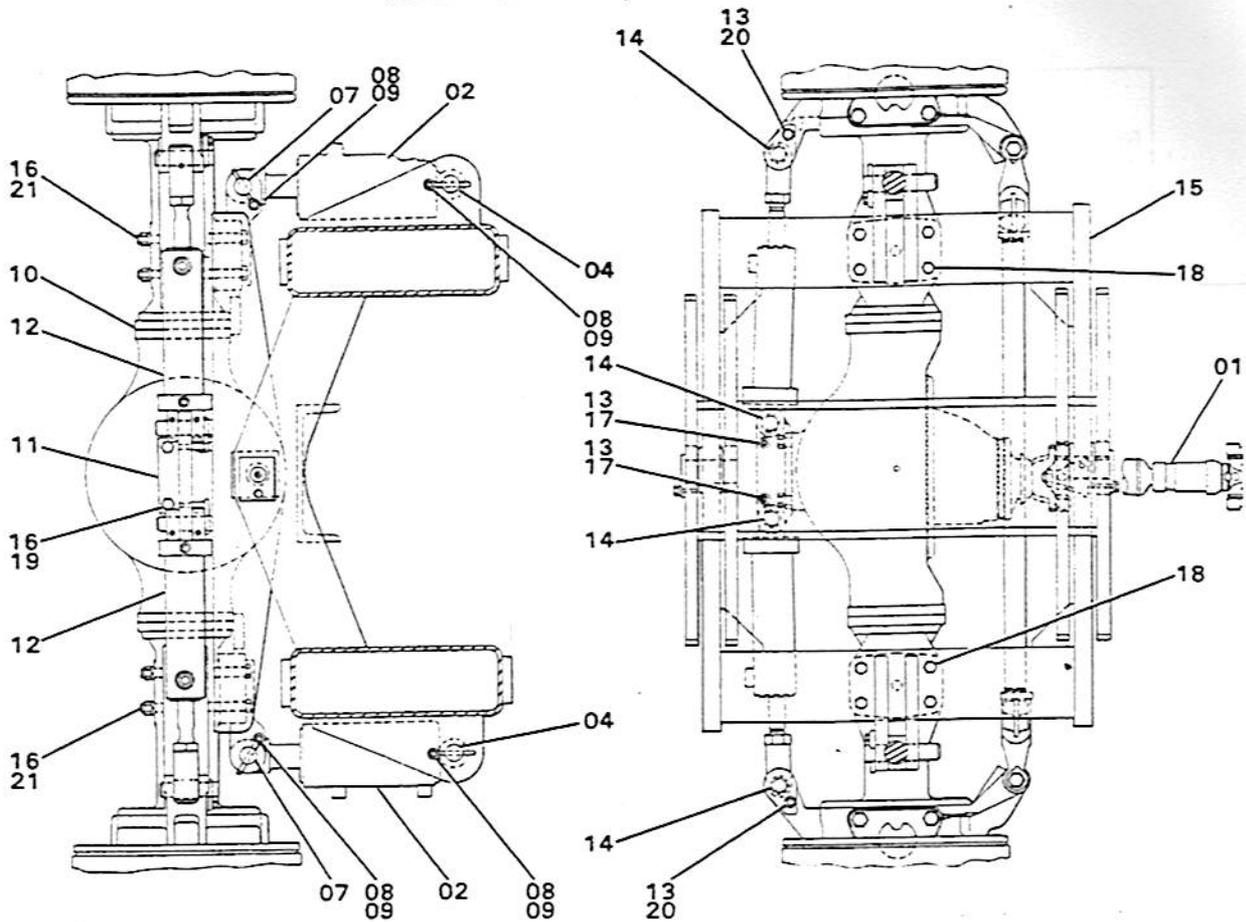


Ref.	OPTION Part Number	Description	Quantity					
			Figure Number					
			3	4	5	6		
-	910J476-3	AXLE INSTALLATION, NO SPIN W/HYDRAULIC LOCKOUT						
-	910J476-4	AXLE INSTALLATION, NO SPIN W/O HYDRAULIC LOCKOUT						
-	910J476-5	AXLE INSTALLATION, W/HYDRAULIC LOCKOUT						
-	910J476-6	AXLE INSTALLATION, W/O HYDRAULIC LOCKOUT						
01	19T5945F1	. PIN, Suspension . . . . .	2	2	2	2	2	
02		. SCREW, Hex hd. cap 1/2-13UNC x 1-1/4 in. . . . .	2	2	2	2	2	
03		. WASHER, Lock 1/2 in. . . . .	2	2	2	2	2	
04	10Q34	. SHAFT, Drive . . . . .	1	1	1	1	1	
-	1045Z1522	. . KIT, Journal cross & bearing . . . . .	2	2	2	2	2	
05	938J93-2	. CYLINDER, Axle lockout (Page 21.1). . . . .	2	-	2	-	-	
06	19T6023	. PIN, Lockout cylinder . . . . .	2	-	2	-	-	
07	19T6024	. PIN, Lockout cylinder . . . . .	2	-	2	-	-	

REAR NO STEER AXLE INSTALLATION (Continued)

Ref.	OPTION Part Number	Description	Quantity			
			Figure Num			
			3	4	5	6
08	720T1D6	. ROD END . . . . .	4	-	4	-
09		. SCREW, Hex hd. cap 3/8-16UNC x 1-1/4 in. . . . .	4	-	4	-
10	19T5948	. PIN, Axle lockout . . . . .	-	2	-	2
11		. SCREW, Cup pt. set 1/2 x 1/2 . . . . .	-	2	-	2
12	18T13016	. LOCKOUT, Axle . . . . .	-	2	-	2
13	817T3	. SPRING, Tension . . . . .	-	2	-	2
-	910J476-1	. AXLE, Sub assy., no spin . . . . .	1	1	-	-
-	910J476-2	. AXLE, Sub assy. . . . .	-	-	1	1
14	10R22D2	. . AXLE, No steer, no spin (Page 17.2) . . . . .	1	1	-	-
14	10R22D1	. . AXLE, No steer (Page 17.2) . . . . .	-	-	1	1
15	5Z3	. . BUSHING . . . . .	2	2	2	2
16	16J971	. . CRADLE, Suspension. . . . .	1	1	1	1
17	20Z646D147	. . SCREW, Hex hd. cap 3/4-10UNC x 9-1/2 in. . . . .	8	8	8	8
18	18Z694D8	. . WASHER, Hardened 3/4 in. . . . .	8	8	8	8
19	20Z739D8	. . NUT, Hex lock 3/4-10UNC . . . . .	8	8	8	8
20	18H3892D133	. . WASHER . . . . .	8	8	8	8

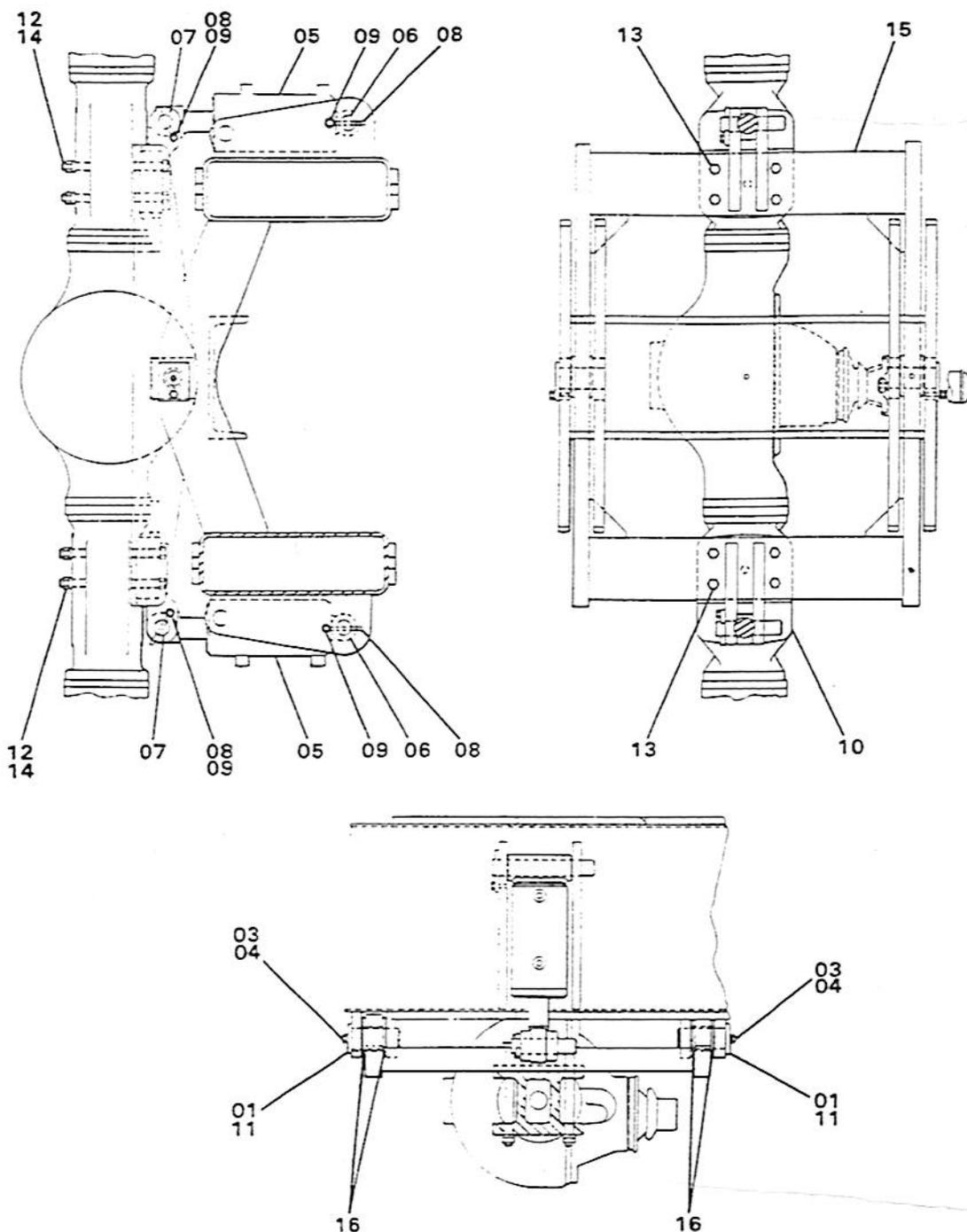
# AXLE ASSEMBLY, REAR DRIVE STEER



AXLE ASSEMBLY, REAR DRIVE STEER (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			3	4		
-	910J498-3	AXLE ASSY., REAR DRIVE STEER W/O NO SPIN HYD. LOCKOUTS - FIRE RESISTANT FLUID				
-	910J498-4	AXLE ASSY., REAR DRIVE STEER W/NO SPIN HYD. LOCKOUTS - FIRE RESISTANT FLUID				
01	10Q34	.. SHAFT, Drive. . . . .	1	1		
-	1025Z1522	.. KIT, Journal cross & brg.. . . . .	2	2		
02	938J185-1	.. CYLINDER, Axle lockout (Page 21.2). . . . .	2	2		
03	19T5945F1	.. PIN, Suspension . . . . .	2	2		
-	44Z1D10	.. FITTING, Grease. . . . .	1	1		
04	19T6023	.. PIN, Lockout cylinder . . . . .	2	2		
05		.. SCREW, Hex hd. cap 1/2 in.-13UNC x 1-1/4 in.. . . . .	2	2		
06		.. WASHER, 1/2 in. . . . .	2	2		
07	19T6024	.. PIN, Lockout cylinder . . . . .	2	2		
08	720T1D6	.. END, Rod . . . . .	4	4		
09		.. SCREW, Hex hd. cap 3/8 in.-16UNC x 1-1/4 in.. . . . .	4	4		
-	910J498-1	.. AXLE, Rear sub assy.. . . . .	1	-		
-	910J498-2	.. AXLE, Rear sub assy.. . . . .	-	1		
10	10R21D1	.. AXLE, W/o no spin (Page 17.1) . . . . .	1	-		
10	10R21D2	.. AXLE, W/no spin (Page 17.1). . . . .	-	1		
11	16P5519	.. BRACKET, Steer cylinder . . . . .	1	1		
12	38R98	.. CYLINDER, Steering (Page 24.2) . . . . .	1	1		
13	720T15	.. END, Rod . . . . .	4	4		
14	19T5942	.. PIN, Cylinder . . . . .	4	4		
15	16J971	.. CRADLE SUSPENSION . . . . .	1	1		
16		.. WASHER, 3/4 in.. . . . .	12	12		
17	20Q1D39	.. SCREW, Hex hd. shoulder 1/2 in. dia. 3/8-16UNC-3A x 1-1/2. . . . .	2	2		
18	20Z646D146	.. SCREW, Hex hd. cap 3/4 in.-10UNC x 9. . . . .	8	8		
19	20Z1036D232	.. SCREW, Hex hd. cap 3/4 in.-10UNC x 1-3/4 in.. . . . .	4	4		
20	20Z547D76	.. SCREW, Hex hd. cap 1/2 in.-20UNF x 1-1/2 in.. . . . .	2	2		
21	20Z739D8	.. NUT, Hex 3/4 in.-10UNC. . . . .	8	8		
22	5Z3	.. BUSHING . . . . .	2	2		
23	18H3892D133	.. WASHER . . . . .	8	8		

### AXLE INSTALLATION - REAR NO STEER

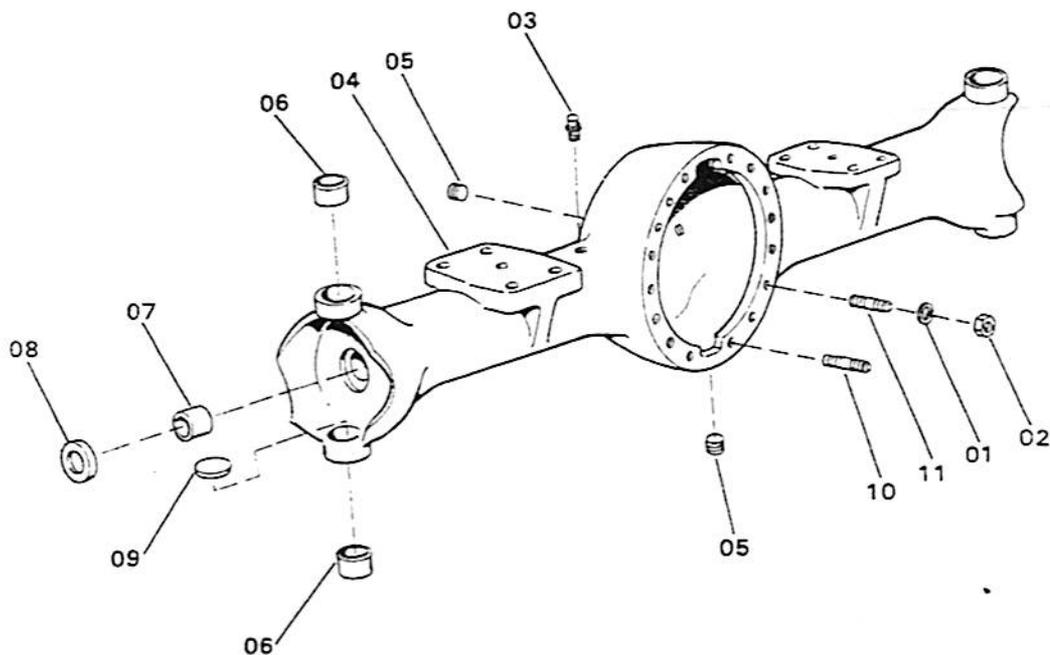


Ref.	Part Number	Description	Qty	
			3	4
-	910J497-3	AXLE INSTALL. - NO SPIN W/HYD. LOCKOUT-FIRE RES.	1	
-	910J497-4	AXLE INSTALL. -W/O SPIN W/HYD. LOCKOUT-FIRE RES.		1
01	19T5945F1	. PIN, Suspension	2	2
-	44Z1D10	.. FITTING, Grease.	1	1
02	10Q34	. SHAFT, Drive.	1	1

AXLE INSTALLATION – REAR NO STEER (Continued)

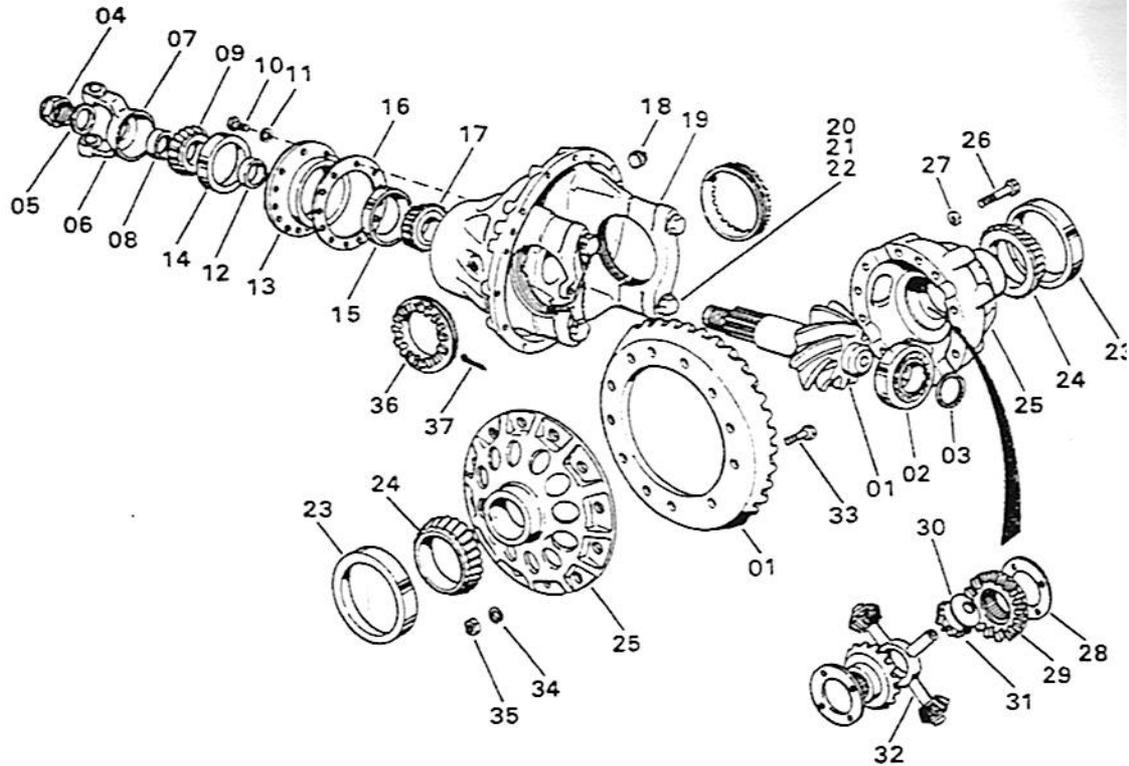
Ref.	Part Number	Description	Fig.	
			3	4
—	1045Z1522	.. KIT, Journal cross & brg..	1	1
03		. SCREW, Hex hd. cap 1/2 in. —13UNC x 1-1/4 in.	2	2
04		. WASHER, Lock 1/2 in.	2	2
05	938J185-1	. CYLINDER, Axle lockout (Page 21.2).	2	2
06	19T6023	. PIN, Lockout cyl.	2	2
07	19T6024	. PIN, Lockout cyl.	2	2
08	720T1D6	. END, Rod	4	4
09		. SCREW, Hex hd. cap 3/8 in.—16UNC x 1-1/4 in.	4	4
—	910J497-1	. AXLE, Sub assy., no spin	1	—
—	910J497-2	. AXLE, Sub assy.	—	1
10	10R22D2	.. AXLE, No steer, no spin (Page 17.2)	1	—
10	10R22D1	.. AXLE, No steer (Page 17.2)	—	1
11	5Z3	.. BUSHING	2	2
12		.. NUT, Hex 3/4 in.—10UNC.	8	8
13		.. SCREW, Hex hd. cap 3/4 in. —10UNC x 9-1/2 in.	8	8
14	18Z694D8	.. WASHER, 3/4 in.	8	8
15	16J971	.. CRADLE, Suspension.	1	1
16	18H3892D133	.. WASHER	8	8

### FRONT AND REAR AXLE (Housing Group)



Ref.	Part Number	Description	Quantity			
			Figure Number			
-		HOUSING GROUP	Y			
01	1018Z2542	. WASHER, Carrier stud . . . . .	14			
02	1020Z4652	. NUT, Carrier to housing . . . . .	14			
03	1046Z214	. BREATHER, Axle housing . . . . .	1			
04	1014Z1552	. HOUSING ASSY., Axle . . . . .	1			
05	1020Z2913	.. PLUG, Oil drain and filler . . . . .	2			
06	1005Z376	.. BUSHING, King pin . . . . .	4			
07	1005Z377	.. BUSHING, Universal joint . . . . .	2			
08	1018Z3504	.. SEAL, Universal joint oil . . . . .	2			
09	1020Z3304	.. PLUG, King pin . . . . .	4			
10	1020Z5364	.. STUD, Long carrier to housing . . . . .	4			
11	1020Z3433	.. STUD, Short carrier to housing . . . . .	10			

FRONT AND REAR AXLE (Continued)  
(Differential Assembly)

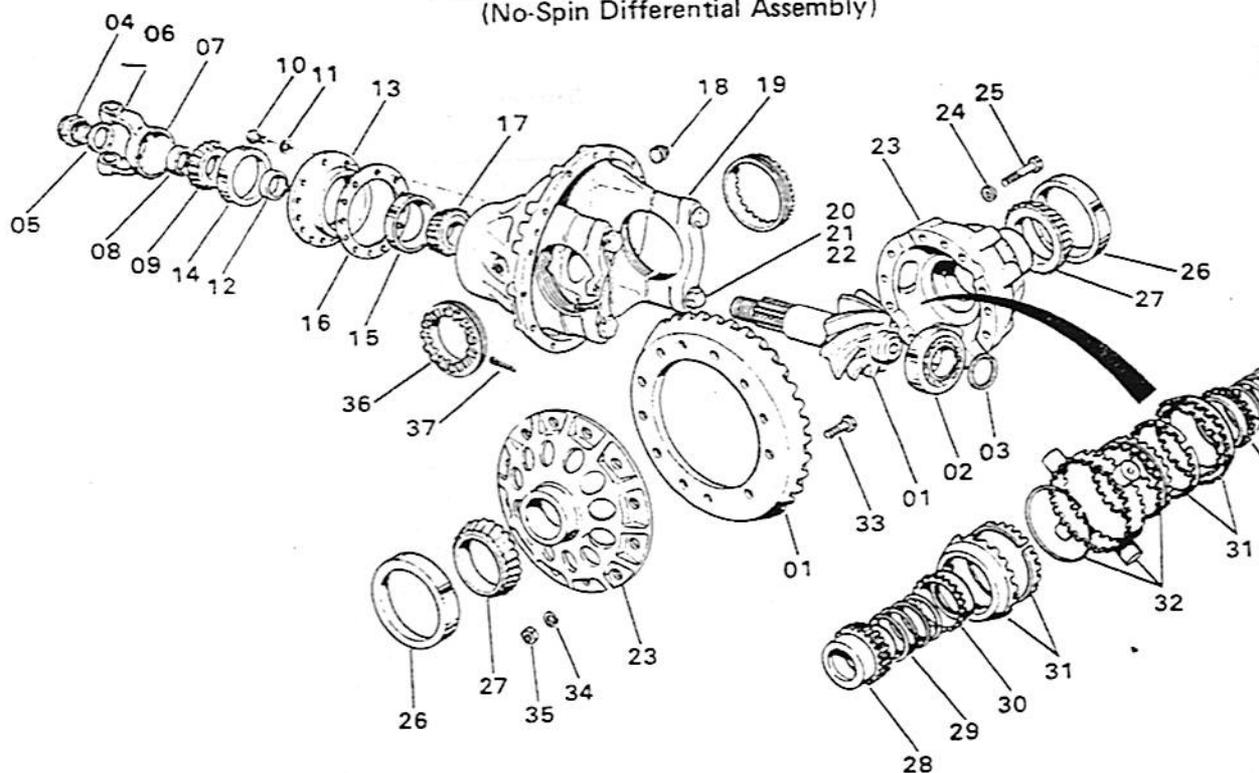


Ref.	Part Number	Description	Quantity	
			Figure	Number
—	1053Z242	DIFFERENTIAL ASSEMBLY	1	
01	1001Z1323	. PINION AND RING GEAR ASSY.	1	
02	1025Z2027	.. BEARING, Rear pinion.	1	
03	1018Z2785	.. RING, Pinion bearing snap.	1	
04	1020Z5830	.. NUT, Bevel pinion.	1	
05	1018Z5785	. WASHER, Pinion nut.	1	
06	1006Z837	. YOKE ASSY.	1	
07	1018Z5781	.. DEFLECTOR, Oil	1	
08	1018Z5778	. SEAL, Bearing cage oil	1	
09	1025Z2025	. CONE, Outer pinion bearing	1	
10	1020Z4285	. SCREW, Bearing cage cap	8	
11	1018Z1649	. WASHER, Cage screw.	8	
12	1020Z5820	. SPACER, Bearing cage 0.234		
12	1020Z5819	. SPACER, Bearing cage 0.235		use
12	1020Z5818	. SPACER, Bearing cage 0.236		
12	1020Z5817	. SPACER, Bearing cage 0.237		
12	1020Z5816	. SPACER, Bearing cage 0.238		
12	1020Z5815	. SPACER, Bearing cage 0.239		two
12	1020Z5829	. SPACER, Bearing cage 0.240		
12	1020Z5828	. SPACER, Bearing cage 0.247		
12	1020Z5827	. SPACER, Bearing cage 0.254		
12	1020Z5826	. SPACER, Bearing cage 0.261		as
12	1020Z5825	. SPACER, Bearing cage 0.268		

**FRONT AND REAR AXLE (Continued)**  
**(Differential Assembly) (Continued)**

Ref.	Part Number	Description	Quantity			
			Figure Number			
12	1020Z5824	. SPACER, Bearing cage 0.275 . . . . .				
12	1020Z5823	. SPACER, Bearing cage 0.282 . . . . .				
12	1020Z5822	. SPACER, Bearing cage 0.289 . . . . . req'd				
12	1020Z5821	. SPACER, Bearing cage 0.296 . . . . .				
13	1010Z1232	. CAGE ASSY., Pinion bearing. . . . .			1	
14	25Z259D147	.. CUP, Outer pinion bearing. . . . .			1	
15	1025Z2028	.. CUP, Inner pinion bearing. . . . .			1	
16	1020Z3449	. SHIM, Bearing cage 0.003 . . . . .			AR	
16	1020Z3447	. SHIM, Bearing cage 0.005 . . . . .			AR	
16	1020Z3448	. SHIM, Bearing cage 0.010 . . . . .			AR	
17	1025Z1108	. CONE, Inner pinion bearing. . . . .			1	
18	1044Z120	. PLUG, Diff. oil filler and level . . . . .			1	
19	1010Z1231	. CARRIER AND CAP ASSY., Differential . . . . .			1	
20	1020Z3434	.. SCREW, Bearing cap. . . . .			4	
21	1018Z3596	.. WASHER, Bearing cap screw. . . . .			4	
22	1019Z549	.. DOWEL, Bearing cap . . . . .			4	
23	1025Z1721	. CUP, Case bearing . . . . .			2	
24	1025Z1718	. CONE, Case bearing . . . . .			2	
25	1014Z1736	. CASE ASSY., Differential . . . . .			1	
26	1020Z5655	.. SCREW, Differential case cap. . . . .			16	
27	1018Z2542	.. WASHER, Case cap screw. . . . .			16	
28	18Z952D16	. WASHER, Side gear thrust . . . . .			2	
29	1001Z1324	. GEAR, Differential side . . . . .			2	
30	18Z952D14	. WASHER, Pinion thrust . . . . .			4	
31	1Z107D2	. GEAR, Differential pinion. . . . .			4	
32	2Z13D1	. SPIDER, Differential . . . . .			1	
33	1020Z5763	. BOLT, Bevel gear to case. . . . .			12	
34	1018Z5455	. WASHER, Bevel gear to case . . . . .			12	
35	1020Z4166	. NUT, Bevel gear to case . . . . .			12	
36	1018Z5782	. RING, Bearing adjusting . . . . .			2	
37	1019Z788	. PIN, Adjusting ring cotter . . . . .			2	

FRONT AND REAR AXLE (Continued)  
(No-Spin Differential Assembly)

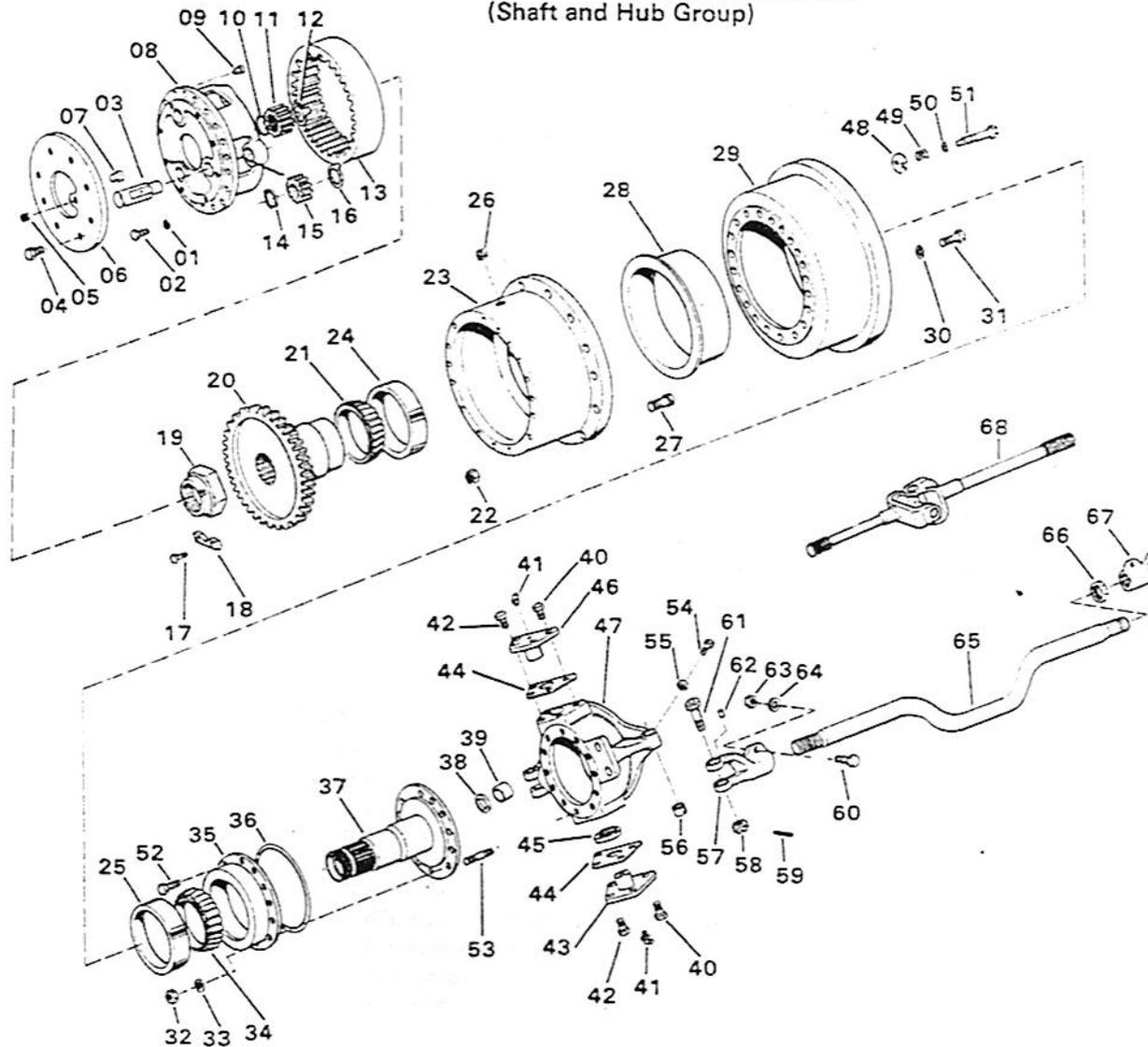


Ref.	Part Number	Description	Quantit
			Figure Nur
—	1053Z243	NO-SPIN DIFFERENTIAL ASSEMBLY	1
01	1001Z1323	. PINION AND RING GEAR ASSY. . . . .	1
02	1025Z2027	. . BEARING, Rear pinion. . . . .	1
03	1018Z2785	. . RING, Pinion bearing snap. . . . .	1
04	1020Z5830	. . NUT, Bevel pinion . . . . .	1
05	1018Z5785	. WASHER, Pinion nut . . . . .	1
06	1006Z837	. YOKE ASSY. . . . .	1
07	1018Z5781	. . DEFLECTOR, Oil . . . . .	1
08	1018Z5778	. SEAL, Bearing cage oil . . . . .	1
09	1025Z2025	. CONE, Outer pinion bearing . . . . .	1
10	1020Z4285	. SCREW, Bearing cage cap . . . . .	8
11	1018Z1649	. WASHER, Cage screw. . . . .	8
12	1020Z5820	. SPACER, Bearing cage 0.234 . . . . .	
12	1020Z5819	. SPACER, Bearing cage 0.235 . . . . . use	
12	1020Z5818	. SPACER, Bearing cage 0.236 . . . . .	
12	1020Z5817	. SPACER, Bearing cage 0.237 . . . . .	
12	1020Z5816	. SPACER, Bearing cage 0.238 . . . . .	
12	1020Z5815	. SPACER, Bearing cage 0.239 . . . . . two	
12	1020Z5829	. SPACER, Bearing cage 0.240 . . . . .	
12	1020Z5828	. SPACER, Bearing cage 0.247 . . . . .	
12	1020Z5827	. SPACER, Bearing cage 0.254 . . . . .	
12	1020Z5826	. SPACER, Bearing cage 0.261 . . . . . as	
12	1020Z5825	. SPACER, Bearing cage 0.268 . . . . .	
12	1020Z5824	. SPACER, Bearing cage 0.275 . . . . .	
12	1020Z5823	. SPACER, Bearing cage 0.282 . . . . .	
12	1020Z5822	. SPACER, Bearing cage 0.289 . . . . . req'd	

FRONT AND REAR AXLE (Continued)  
(No-Spin Differential Assembly) (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
13	1010Z1232	. CAGE ASSY., Pinion bearing. . . . .	1			
14	25Z259D147	.. CUP, Outer pinion bearing. . . . .	1			
15	1025Z2028	.. CUP, Inner pinion bearing. . . . .	1			
16	1020Z3449	. SHIM, Bearing cage 0.003 . . . . .	AR			
16	1020Z3447	. SHIM, Bearing cage 0.005 . . . . .	AR			
16	1020Z3448	. SHIM, Bearing cage 0.010 . . . . .	AR			
17	1025Z1108	. CONE, Inner pinion bearing. . . . .	1			
18	1044Z120	. PLUG, Diff. oil filler and level . . . . .	1			
19	1010Z1231	. CARRIER AND CAP ASSY., Differential . . . . .	1			
20	1020Z3434	.. SCREW, Bearing cap. . . . .	4			
21	1018Z3596	.. WASHER, Bearing capscrew. . . . .	4			
22	1019Z549	.. DOWEL BEARING CAP. . . . .	4			
23	1014Z1736	. CASE ASSY., Differential . . . . .	1			
24	1018Z2542	.. WASHER, Case capscrew. . . . .	16			
25	1020Z5655	.. SCREW, Differential case cap. . . . .	16			
26	1025Z1721	. CUP, Case bearing . . . . .	2			
27	1025Z1718	. CONE, Case bearing. . . . .	2			
-	1001Z1326	. NO-SPIN ASSY. . . . .	1			
28	1001Z1325	.. GEAR, Side . . . . .	2			
29	1017Z1122	.. SPRING. . . . .	2			
30	1017Z1123	.. RETAINER, Spring . . . . .	2			
31	1015Z1272	.. CLUTCH ASSY. . . . .	2			
32	1013Z400	.. SPIDER ASSY. . . . .	1			
33	1020Z5763	. BOLT, Bevel gear to case. . . . .	12			
34	1018Z5455	. WASHER, Bevel gear to case . . . . .	12			
35	1020Z4166	. NUT, Bevel gear to case . . . . .	12			
36	1018Z5782	. RING, Bearing adjusting . . . . .	2			
37	1019Z788	. PIN, Adjusting ring cotter . . . . .	2			

FRONT AND REAR AXLE (Continued)  
(Shaft and Hub Group)



Ref.	Part Number	Description	Quantity	
			Figure Num	
-		SHAFT AND HUB GROUP		
01	1018Z2542	. WASHER, Spider to hub capscrew	32	
02	1020Z2102	. SCREW, Spider to hub cap	32	
03	1010Z1140	. SHAFT, Planetary pinion	6	
04	1020Z4878	. SCREW, Spider cover cap	16	
05	1020Z2994	. PLUG, Oil filler.	2	
06	1014Z1356	. COVER ASSY., Planetary spider	2	
07	N.S.S.	. . BUTTON, Thrust.	2	
08	1013Z363	. SPIDER ASSY., Planetary gear.	2	
09	1018Z5296	. . BUTTON, Spider thrust	6	
10	1018Z2024	. RING, Universal joint snap	2	
11	1001Z1208	. GEAR, Planetary sun	2	
12	1018Z4761	. WASHER, Sun gear	2	

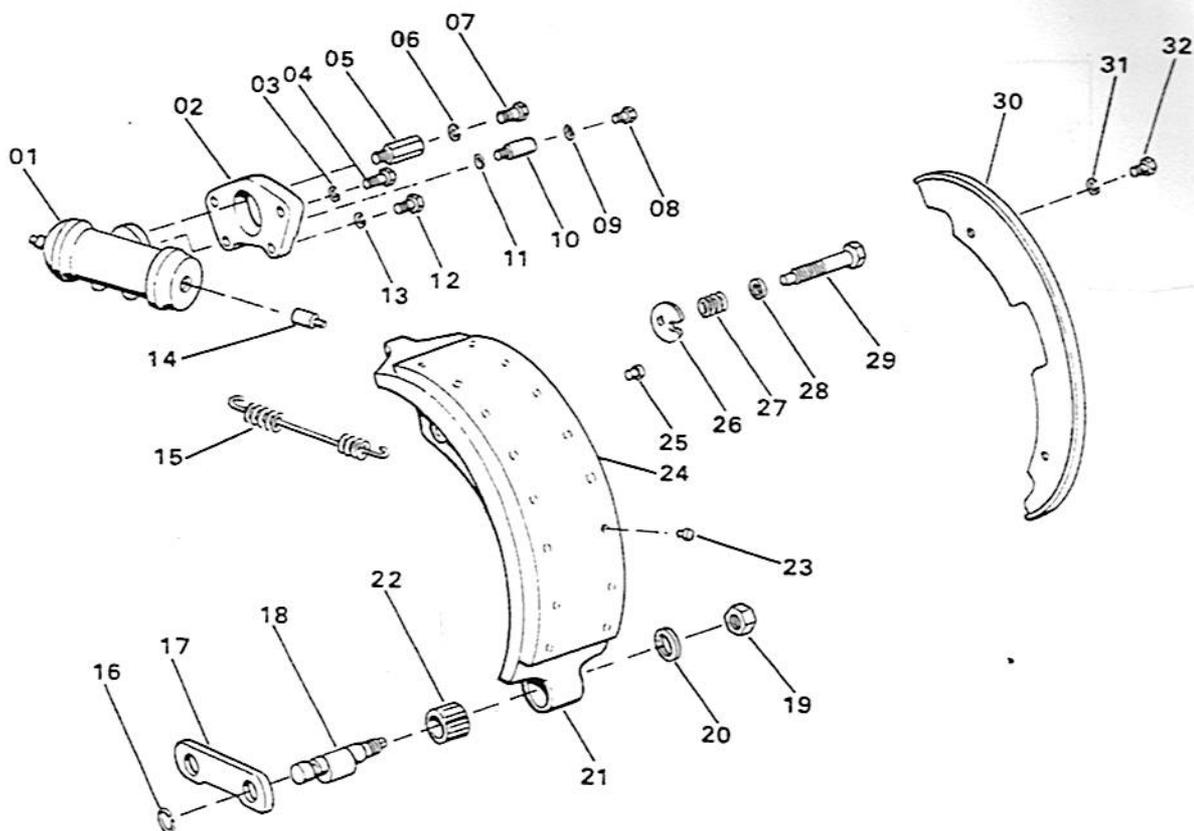
**FRONT AND REAR AXLE (Continued)**  
**(Shaft and Hub Group) (Continued)**

Ref.	Part Number	Description	Quantity				
			Figure Number				
13	1001Z1092	. GEAR, Planetary ring . . . . .	2				
14	1020Z886	. WASHER, Outer pinion thrust . . . . .	6				
15	1001Z1209	. GEAR, Planetary pinion . . . . .	6				
16	1018Z3067	. WASHER, Inner pinion thrust . . . . .	6				
17	1020Z4879	. SCREW, Wheel bearing nut lock . . . . .	4				
18	1018Z4759	. LOCK, Wheel bearing nut . . . . .	2				
19	1020Z4880	. NUT, Hub bearing . . . . .	2				
20	1013Z338	. HUB, Planetary ring gear . . . . .	2				
21	1025Z1153	. CONE, Outer hub bearing . . . . .	2				
22	20Z962D2	. NUT, Wheel stud . . . . .	24				
23	1013Z199	. HUB ASSY., Wheel . . . . .	2				
24	1025Z1154	. . CUP, Outer hub bearing . . . . .	2				
25	1025Z1159	. . CUP, Inner hub bearing . . . . .	2				
26	1020Z2980	. PLUG, Hub oil drain . . . . .	2				
27	1020Z2454	. STUD, Wheel . . . . .	24				
28	1018Z5779	. SLINGER, Oil. . . . .	2				
29	1013Z171	. DRUM, Brake . . . . .	2				
30	1018Z5455	. WASHER, Drum to hub . . . . .	38				
31	1020Z4998	. SCREW, Drum to hub cap . . . . .	38				
32	1020Z4355	. NUT, Spindle to knuckle . . . . .	20				
33	1018Z2970	. WASHER, Spindle to knuckle . . . . .	24				
34	1025Z1160	. CONE, Inner hub bearing . . . . .	2				
35	1018Z3367	. SEAL, Hub bearing oil . . . . .	2				
36	1045Z704	. O-RING, Hub oil seal . . . . .	2				
37	1006Z671	. SPINDLE ASSY., Wheel bearing . . . . .	2				
38	1018Z2504	. . SEAL, Spindle and universal joint oil . . . . .	2				
39	1005Z378	. . BUSHING, Spindle and universal joint . . . . .	2				
40	1020Z4982	. SCREW, Inner steering knuckle cap . . . . .	8				
41	1044Z536	. FITTING, Lube . . . . .	4				
42	1020Z5000	. SCREW, Outer steering knuckle cap . . . . .	8				
43	1025Z1548	. CAP, Lower steering knuckle . . . . .	2				
44	1020Z3318	. SHIM, Steering knuckle cap 0.003 . . . . .	10				
44	1020Z3319	. SHIM, Steering knuckle cap 0.008 . . . . .	8				
44	1020Z3320	. SHIM, Steering knuckle cap 0.020 . . . . .	6				
45	1018Z3501	. WASHER, Knuckle bearing thrust . . . . .	2				
46	1025Z1549	. CAP, Upper steering knuckle . . . . .	2				
47	1010Z1114	. KNUCKLE, Steering . . . . .	2				
48	1018Z3503	. . CAM, Brake shoe adjusting . . . . .	4				
49	1017Z800	. . SPRING, Adjusting cam . . . . .	4				
50	1018Z3498	. . WASHER, Adjusting cam . . . . .	4				
51	1020Z3323	. . BOLT, Adjusting cam . . . . .	4				
52	1020Z4406	. . SCREW, Spindle to knuckle cap . . . . .	4				
53	1020Z4997	. . STUD, Spindle to knuckle . . . . .	20				
54	1020Z4999	. . SCREW, Steering stop . . . . .	2				
55	1020Z4407	. . NUT, Steering stop screw . . . . .	2				
56	1005Z410	. . BUSHING, Tie rod yoke bolt . . . . .	2				
57	1006Z768	. YOKE, Tie rod (12 thread) . . . . .	1				
58	1020Z3300	. NUT, Tie rod yoke bolt . . . . .	2				
59	1020Z949	. PIN, Yoke bolt cotter . . . . .	2				
60	1020Z5794	. BOLT, Yoke clamp . . . . .	2				

FRONT AND REAR AXLE (Continued)  
(Shaft and Hub Group) (Continued)

Ref.	Part Number	Description	Quant	
			Figure No	
61	1020Z3293	. BOLT, Tie rod yoke . . . . .	2	
62	1019Z747	. PIN, Yoke bolt lock . . . . .	2	
63	1020Z4989	. NUT, Yoke clamp bolt . . . . .	2	
64	1018Z5758	. WASHER, Clamp bolt . . . . .	4	
65	1020Z5685	. ROD, Tie . . . . .	1	
66	1020Z3301	. NUT, Tie rod yoke . . . . .	1	
67	1006Z769	. YOKE, Tie rod (16 thread) . . . . .	1	
68	1013Z398	. JOINT ASSY., Universal . . . . .	2	

FRONT AND REAR AXLE (Continued)  
(Brake Group)

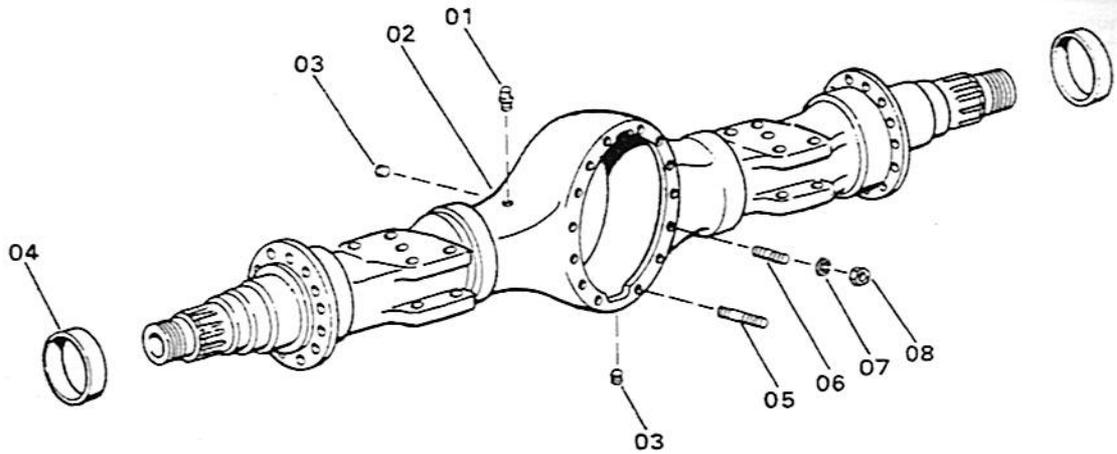


Ref.	Part Number	Description	Quantity			
			Figure Number			
-		BRAKE GROUP				
01	1038Z289	. CYLINDER ASSY., Wheel	2			
-	1020Z5500	. . PLUG	2			
-	1038Z317	. . CYLINDER, Wheel	1			
-	17Z25	. . . SPRING	1			
-	39Z12	. . . PISTON	1			
-	1045Z1728	. . . KIT, Seal	1			
-		. . . CUP	1			
-		. . . BOOT	1			
02	1020Z3324	. ADAPTER, Wheel cylinder	2			
03	18Z332	. WASHER, Knuckle to adapter lock	4			
04	1020Z3328	. SCREW, Knuckle to adapter cap	4			
05	1020Z5498	. SCREW, Bleeder	2			
06	1018Z1544	. WASHER, Bleeder screw lock	2			
07	1020Z5497	. SCREW, Bleeder screw cap	2			
08	1020Z5499	. FITTING, Wheel cylinder inlet	2			
09	1020Z2497	. GASKET, Inlet connection	2			
10	1044Z447	. FITTING, Connection extension	2			
11	1020Z2497	. GASKET, Extension fitting	2			
12	1020Z2232	. SCREW, Cylinder to adapter cap	4			

FRONT AND REAR AXLE (Continued)  
(Brake Group) (Continued)

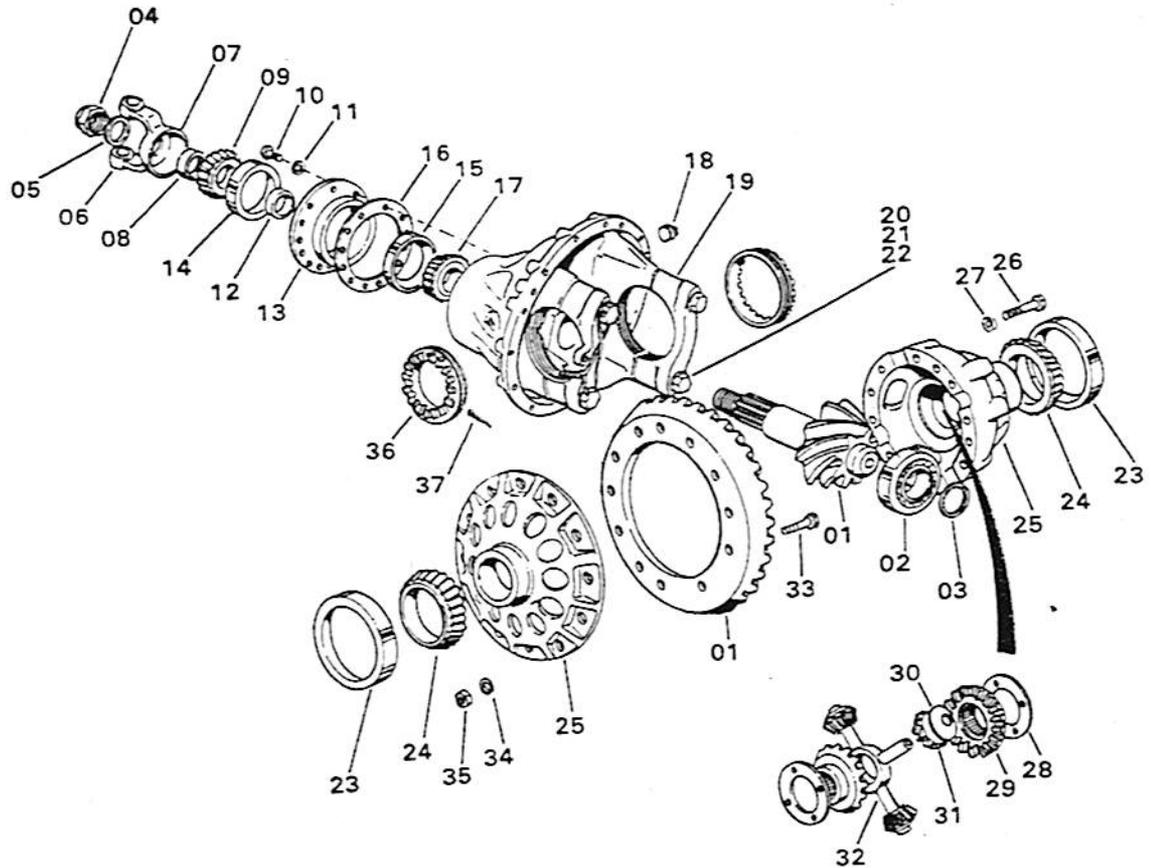
Ref.	Part Number	Description	Quantit			
			Figure Nur			
13	1020Z583	. WASHER, Cylinder to adapter lock. . . . .	4			
14	1006Z412	. LINK, Cylinder connecting . . . . .	4			
15	1017Z348	. SPRING, Brake shoe return . . . . .	2			
16	1018Z2554	. RING, Shoe link snap. . . . .	4			
17	1006Z269	. LINK, Brake shoe . . . . .	2			
18	1019Z749	. PIN, Brake shoe anchor. . . . .	4			
19	1020Z1961	. NUT, Anchor pin. . . . .	4			
20	1018Z1385	. WASHER, Anchor pin nut. . . . .	4			
21	1015Z1149	. SHOE ASSY., L.H. fwd - R.H. rear . . . . .	2			
22	1005Z104	. . BUSHING, Brake shoe . . . . .	1			
-	1015Z1274	. . KIT, Lining. . . . .	1			
23		. . . RIVET, Lining. . . . .	16			
24		. . . LINING, Brake . . . . .	1			
25	1019Z1079	. . PIN, Brake shoe. . . . .	4			
21	1015Z1150	. SHOE ASSY., R.H. fwd - L.H. rear . . . . .	2			
22	1005Z104	. . BUSHING, Brake shoe . . . . .	1			
-	1015Z1274	. . KIT, Lining. . . . .	1			
23		. . . RIVET, Lining. . . . .	16			
24		. . . LINING, Brake . . . . .	1			
25	1019Z1079	. . PIN, Brake shoe. . . . .	4			
26	1018Z3503	. CAM, Shoe adjusting . . . . .	4			
27	1017Z800	. SPRING, Adjusting cam . . . . .	4			
28	1018Z3498	. WASHER, Adjusting cam . . . . .	4			
29	1020Z3323	. BOLT, Adjusting cam. . . . .	4			
30	1014Z764	. SHIELD, Dust upper L.H. - lower R.H. . . . .	2			
30	1014Z765	. SHIELD, Dust upper R.H. - lower L.H. . . . .	2			
31	1020Z583	. WASHER, Dust shield lock . . . . .	8			
32	1020Z4185	. SCREW, Dust shield cap . . . . .	8			

## REAR NON-STEERING AXLE (Housing Group)



Ref.	Part Number	Description	Quantity			
			Figure Number			
-		HOUSING GROUP				
01	1046Z214	. BREATHER, Housing . . . . .	1			
02	1014Z1562	. HOUSING ASSY., Axle . . . . .	1			
03	1020Z2913	.. PLUG, Oil drain and filler . . . . .	2			
04	1018Z5464	.. SLEEVE, Wear . . . . .	2			
05	1020Z5364	.. STUD, Long carrier mounting . . . . .	4			
06	1020Z3433	.. STUD, Short carrier mounting . . . . .	10			
07	1018Z5783	. WASHER, Carrier stud . . . . .	14			
08	1020Z4652	. NUT, Carrier mounting. . . . .	14			

REAR NON-STEERING AXLE (Continued)  
(Differential Assembly)

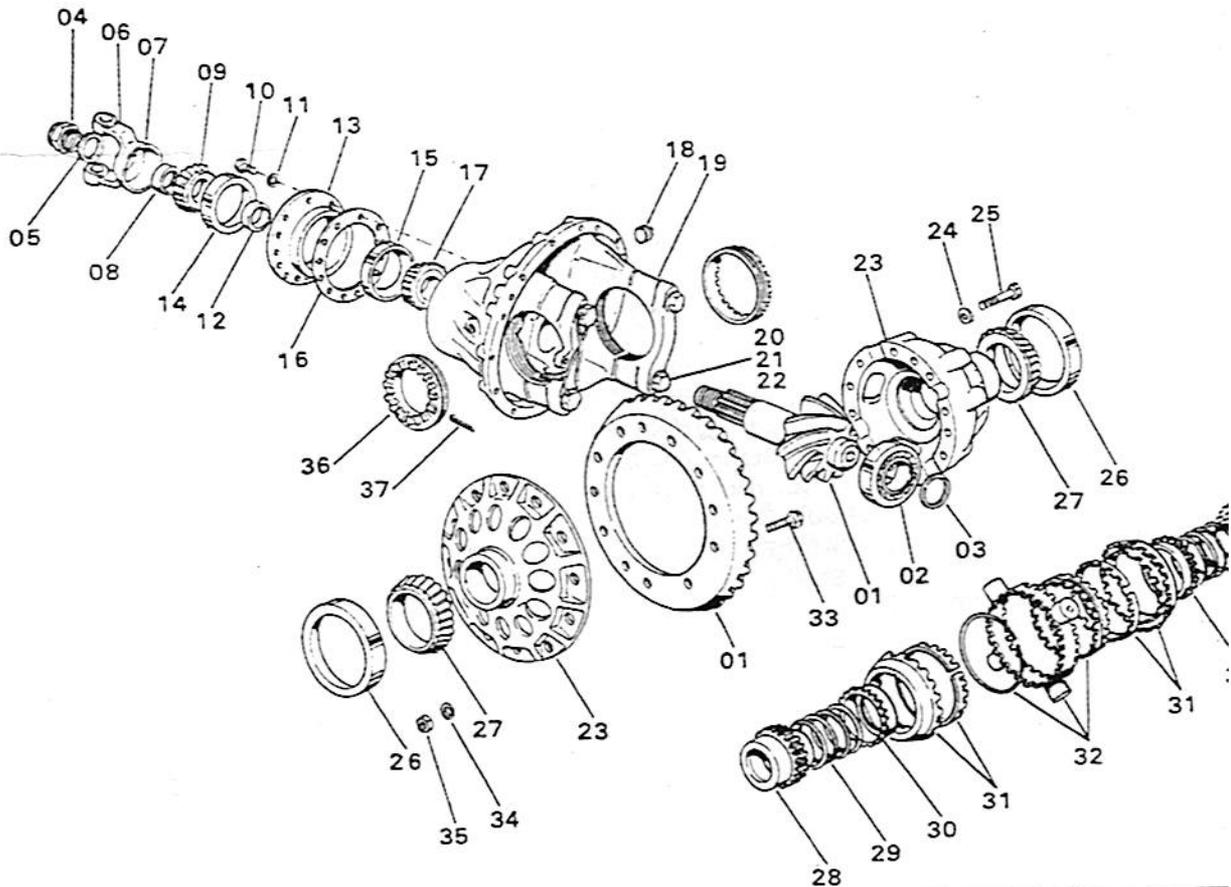


Ref.	Part Number	Description	Quant	
			Figure N	
-	10532242	DIFFERENTIAL ASSEMBLY	1	
01	1001Z1323	. PINION AND RING GEAR ASSY.	1	
02	1025Z2027	.. BEARING, Rear pinion.	1	
03	1018Z2785	.. RING, Pinion bearing snap.	1	
04	1020Z5830	.. NUT, Bevel pinion.	1	
05	1018Z5785	. WASHER, Pinion nut.	1	
06	1006Z837	. YOKE ASSY.	1	
07	1018Z5781	.. DEFLECTOR, Oil.	1	
08	1018Z5778	. SEAL, Bearing cage oil.	1	
09	1025Z2025	. CONE, Outer pinion bearing.	1	
10	1020Z4285	. SCREW, Bearing cage cap.	8	
11	1018Z1649	. WASHER, Cage screw.	8	
12	1020Z5820	. SPACER, Bearing cage 0.234.		
12	1020Z5819	. SPACER, Bearing cage 0.235.		use
12	1020Z5818	. SPACER, Bearing cage 0.236.		
12	1020Z5817	. SPACER, Bearing cage 0.237.		
12	1020Z5816	. SPACER, Bearing cage 0.238.		
12	1020Z5815	. SPACER, Bearing cage 0.239.		two
12	1020Z5829	. SPACER, Bearing cage 0.240.		
12	1020Z5828	. SPACER, Bearing cage 0.247.		
12	1020Z5827	. SPACER, Bearing cage 0.254.		

**REAR NON-STEERING AXLE (Continued)**  
**(Differential Assembly) (Continued)**

Ref.	Part Number	Description	Quantity			
			Figure Number			
12	1020Z5826	. SPACER, Bearing cage 0.261 . . . . . as				
12	1020Z5825	. SPACER, Bearing cage 0.268 . . . . .				
12	1020Z5824	. SPACER, Bearing cage 0.275 . . . . .				
12	1020Z5823	. SPACER, Bearing cage 0.282 . . . . .				
12	1020Z5822	. SPACER, Bearing cage 0.289 . . . . . req'd				
12	1020Z5821	. SPACER, Bearing cage 0.296 . . . . .				
13	1010Z1232	. CAGE ASSY., Pinion bearing . . . . .	1			
14	25Z259D147	. . CUP, Outer pinion bearing . . . . .	1			
15	1025Z2028	. . CUP, Inner pinion bearing . . . . .	1			
16	1020Z3449	. SHIM, Bearing cage 0.003 . . . . .	AR			
16	1020Z3447	. SHIM, Bearing cage 0.005 . . . . .	AR			
16	1020Z3448	. SHIM, Bearing cage 0.010 . . . . .	AR			
17	1025Z1108	. CONE, Inner pinion bearing . . . . .	1			
18	1044Z120	. PLUG, Diff. oil filler and level . . . . .	1			
19	1010Z1231	. CARRIER AND CAP ASSY., Differential . . . . .	1			
20	1020Z3434	. . SCREW, Bearing cap . . . . .	4			
21	1018Z3596	. . WASHER, Bearing capscrew . . . . .	4			
22	1019Z549	. . DOWEL, Bearing cap . . . . .	4			
23	1025Z1721	. CUP, Case bearing . . . . .	2			
24	1025Z1718	. CONE, Case bearing . . . . .	2			
25	1014Z1736	. CASE ASSY., Differential . . . . .	1			
26	1020Z5655	. . SCREW, Differential case cap . . . . .	16			
27	1018Z2542	. . WASHER, Case capscrew . . . . .	16			
28	18Z952D16	. WASHER, Side gear thrust . . . . .	2			
29	1001Z1324	. GEAR, Differential side . . . . .	2			
30	18Z952D14	. WASHER, Pinion thrust . . . . .	4			
31	1Z107D2	. GEAR, Differential pinion . . . . .	4			
32	2Z13D1	. SPIDER, Differential . . . . .	1			
33	1020Z5763	. BOLT, Bevel gear to case . . . . .	12			
34	1018Z5455	. WASHER, Bevel gear to case . . . . .	12			
35	1020Z4166	. NUT, Bevel gear to case . . . . .	12			
36	1018Z5782	. RING, Bearing adjusting . . . . .	2			
37	1019Z788	. PIN, Adjusting ring cotter . . . . .	2			

REAR NON-STEERING AXLE (Continued)  
(No-Spin Differential Assembly)

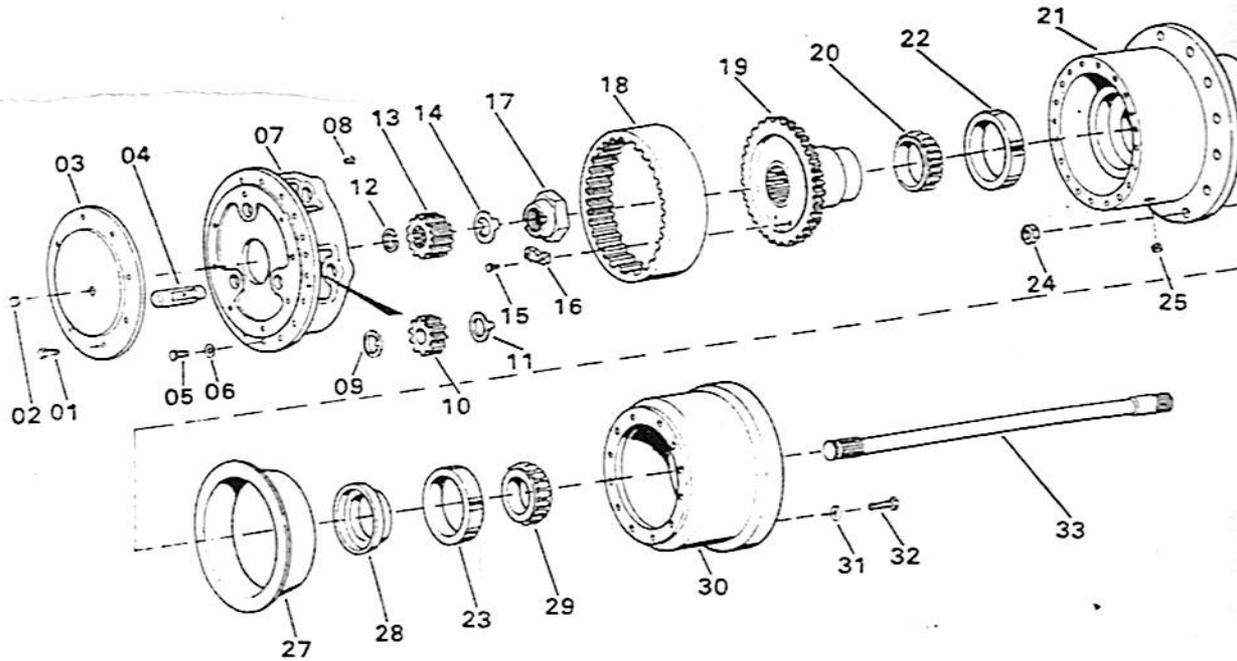


Ref.	Part Number	Description	Quantity	
			Figure	Nurr
-	1053Z243	NO-SPIN DIFFERENTIAL ASSEMBLY	1	
01	1001Z1323	. PINION AND RING GEAR ASSY. ....	1	
02	1025Z2027	. . BEARING, Rear pinion. ....	1	
03	1018Z2785	. . RING, Pinion bearing snap. ....	1	
04	1020Z5830	. . NUT, Bevel pinion . . . . .	1	
05	1018Z5785	. WASHER, Pinion nut. . . . .	1	
06	1006Z837	. YOKE ASSY. . . . .	1	
07	1018Z5781	. . DEFLECTOR, Oil . . . . .	1	
08	1018Z5778	. SEAL, Bearing cage oil . . . . .	1	
09	1025Z2025	. CONE, Outer pinion bearing . . . . .	1	
10	1020Z4285	. SCREW, Bearing cage cap . . . . .	8	
11	1018Z1649	. WASHER, Cage screw. . . . .	8	
12	1020Z5820	. SPACER, Bearing cage 0.234 . . . . .		
12	1020Z5819	. SPACER, Bearing cage 0.235 . . . . .		use
12	1020Z5818	. SPACER, Bearing cage 0.236 . . . . .		
12	1020Z5817	. SPACER, Bearing cage 0.237 . . . . .		
12	1020Z5816	. SPACER, Bearing cage 0.238 . . . . .		
12	1020Z5815	. SPACER, Bearing cage 0.239 . . . . .		two
12	1020Z5829	. SPACER, Bearing cage 0.240 . . . . .		
12	1020Z5828	. SPACER, Bearing cage 0.247 . . . . .		
12	1020Z5827	. SPACER, Bearing cage 0.254 . . . . .		

**REAR NON-STEERING AXLE (Continued)**  
**(No-Spin Differential Assembly) (Continued)**

Ref.	Part Number	Description	Quantity				
			Figure Number				
12	1020Z5825	. SPACER, Bearing cage 0.268 . . . . .					
12	1020Z5824	. SPACER, Bearing cage 0.275 . . . . .					
12	1020Z5823	. SPACER, Bearing cage 0.282 . . . . .					
12	1020Z5822	. SPACER, Bearing cage 0.289 . . . . . req'd					
12	1020Z5821	. SPACER, Bearing cage 0.296 . . . . .					
13	1010Z1232	. CAGE ASSY., Pinion bearing . . . . .				1	
14	25Z259D147	. . CUP, Outer pinion bearing . . . . .				1	
15	1025Z2028	. . CUP, Inner pinion bearing . . . . .				1	
16	1020Z3449	. SHIM, Bearing cage 0.003 . . . . .				AR	
16	1020Z3447	. SHIM, Bearing cage 0.005 . . . . .				AR	
16	1020Z3448	. SHIM, Bearing cage 0.010 . . . . .				AR	
17	1025Z1108	. CONE, Inner pinion bearing . . . . .				1	
18	1044Z120	. PLUG, Diff. oil filler and level . . . . .				1	
19	1010Z1231	. CARRIER AND CAP ASSY., Differential . . . . .				1	
20	1020Z3434	. . SCREW, Bearing cap . . . . .				4	
21	1018Z3596	. . WASHER, Bearing capscrew . . . . .				4	
22	1019Z549	. . DOWEL, Bearing cap . . . . .				4	
23	1014Z1736	. CASE ASSY., Differential . . . . .				1	
24	1018Z2542	. . WASHER, Case capscrew . . . . .				16	
25	1020Z5655	. . SCREW, Differential case cap . . . . .				16	
26	1025Z1721	. CUP, Case bearing . . . . .				2	
27	1025Z1718	. CONE, Case bearing . . . . .				2	
-	1001Z1326	. NO-SPIN ASSY. . . . .				1	
28	1001Z1325	. . GEAR, Side . . . . .				2	
29	1017Z1122	. . SPRING . . . . .				2	
30	1017Z1123	. . RETAINER, Spring . . . . .				2	
31	1015Z1272	. . CLUTCH ASSY. . . . .				2	
32	1013Z400	. . SPIDER ASSY. . . . .				1	
33	1020Z5763	. BOLT, Bevel gear to case . . . . .				12	
34	1018Z5455	. WASHER, Bevel gear to case . . . . .				12	
35	1020Z4166	. NUT, Bevel gear to case . . . . .				12	
36	1018Z5782	. RING, Bearing adjusting . . . . .				2	
37	1019Z788	. PIN, Adjusting ring cotter . . . . .				2	

REAR NON-STEERING AXLE (Continued)  
(Shaft and Hub Group)

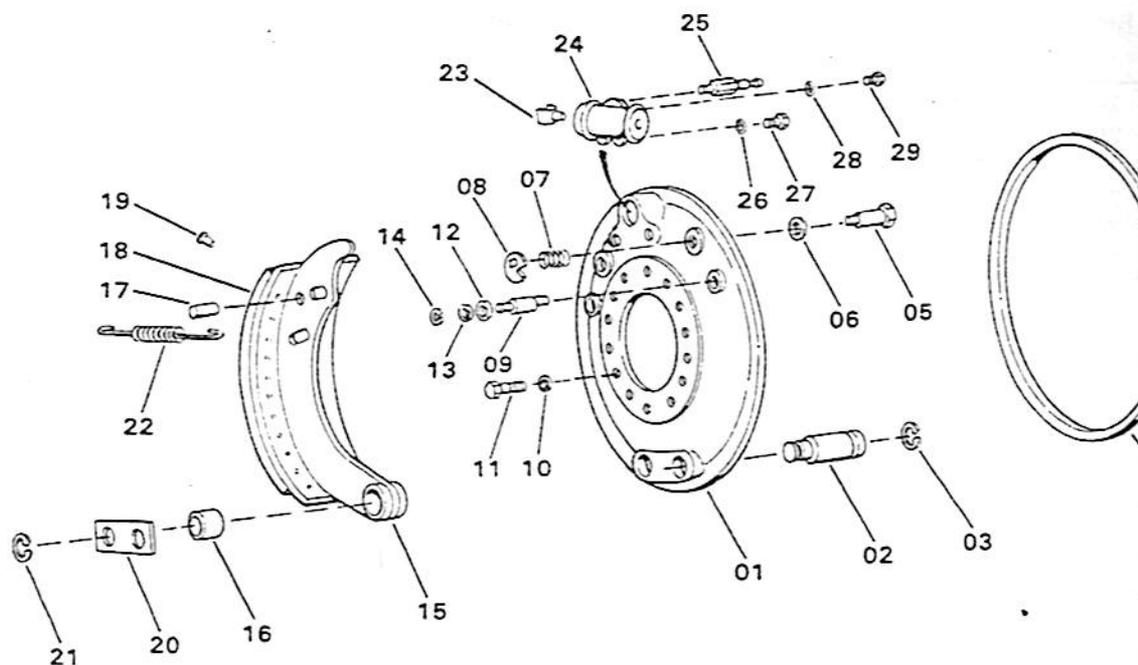


Ref.	Part Number	Description	Quantity	
			Figure	Number
-		SHAFT AND HUB GROUP		
01	1020Z4878	. SCREW, Spider cover cap	16	
02	1020Z2994	. PLUG, Planetary oil level	2	
03	1014Z1366	. COVER, Planetary spider	2	
04	1010Z1140	. SHAFT, Planetary pinion	6	
05	1020Z2102	. SCREW, Spider to hub cap	32	
06	1018Z2542	. WASHER, Spider to hub	32	
07	1013Z363	. SPIDER ASSY., Planetary	2	
08	1018Z5296	. . BUTTON, Spider thrust	6	
09	1020Z886	. WASHER, Outer pinion thrust	6	
10	1001Z1209	. PINION, Planetary	6	
11	1018Z3067	. WASHER, Inner pinion thrust	6	
12	1018Z2024	. RING, Shaft retaining snap	2	
13	1001Z1208	. GEAR, Planetary sun	2	
14	1018Z4761	. WASHER, Sun-gear	2	
15	1020Z4879	. SCREW, Bearing nut lock	4	
16	1018Z4759	. LOCK, Wheel bearing nut	2	
17	1020Z4880	. NUT, Wheel bearing	2	
18	1001Z1092	. GEAR, Planetary ring	2	
19	1013Z338	. HUB, Ring gear	2	
20	1025Z1153	. CONE, Outer hub bearing	2	
21	1013Z374	. HUB ASSY., Wheel	2	
22	1025Z1154	. . CUP, Outer hub bearing	1	
23	1025Z1916	. . CUP, Inner hub bearing	1	

**REAR NON-STEERING AXLE (Continued)**  
**(Shaft and Hub Group) (Continued)**

Ref.	Part Number	Description	Quantity				
			Figure Number				
24	20Z962D2	. NUT, Wheel stud . . . . .	24				
25	1020Z2980	. PLUG, Planetary oil drain . . . . .	2				
26	1020Z2454	. STUD, Wheel . . . . .	24				
27	1018Z5780	. SLINGER, Oil. . . . .	2				
28	1018Z5777	. SEAL AND RETAINER ASSY., Hub bearing oil. . . . .	2				
29	1025Z872	. CONE, Inner hub bearing . . . . .	2				
30	1015Z1181	. DRUM, Brake . . . . .	2				
31	1018Z5455	. WASHER, Drum to hub . . . . .	20				
32	1020Z4998	. SCREW, Drum to hub cap. . . . .	20				
33	1010Z1233	. SHAFT, Axle . . . . .	2				

REAR NON-STEERING AXLE (Continued)  
(Brake Group)

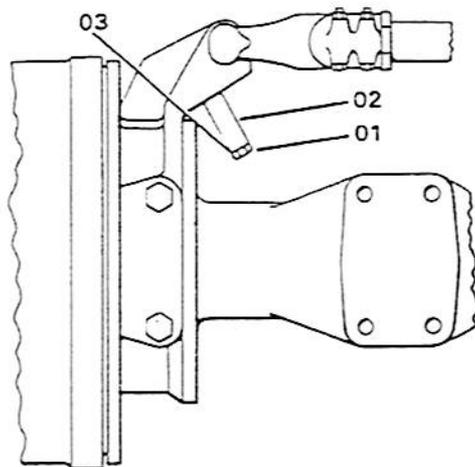


Ref.	Part Number	Description	Quant	
			Figure No	
-		BRAKE GROUP		
01	1013Z375	. SPIDER ASSY., Brake	2	
02	1019Z1048	. . PIN, Brake shoe anchor	4	
03	1018Z5460	. . RING, Anchor pin snap	4	
04	1018Z5461	. . SEAL, Brake drum felt	2	
05	1019Z1046	. . PIN ASSY., Adjusting cam	4	
06	1018Z5457	. . WASHER, Cam pin	4	
07	1017Z1054	. . SPRING, Adjusting cam	4	
08	1018Z5452	. . CAM, Brake shoe adjusting	4	
09	1019Z1045	. . PIN, Brake shoe guide	4	
10	1018Z5455	. WASHER, Spider to adapter	28	
11	1020Z4998	. SCREW, Spider to adapter cap	28	
12	1018Z5784	. WASHER, Guide pin	4	
13	1018Z5458	. WASHER, Guide pin	12	
14	1018Z5459	. C-WASHER, Guide pin	4	
15	1015Z1186	. SHOE ASSY., Brake	4	
16	1005Z535	. . BUSHING, Brake shoe	4	
17	1019Z1049	. . PIN, Brake shoe	4	
-	1015Z1275	. . KIT, Lining	2	
18		. . LINING, Brake	2	
19		. . RIVET, Lining	32	
20	1006Z839	. LINK, Anchor pin	2	
21	1018Z5456	. C-WASHER, Anchor pin	4	
22	1017Z1053	. SPRING, Brake shoe return	2	
23	1006Z412	. YOKE, Wheel cylinder	4	
24	1038Z317	. CYLINDER, Wheel	2	

REAR NON-STEERING AXLE (Continued)  
(Brake Group) (Continued)

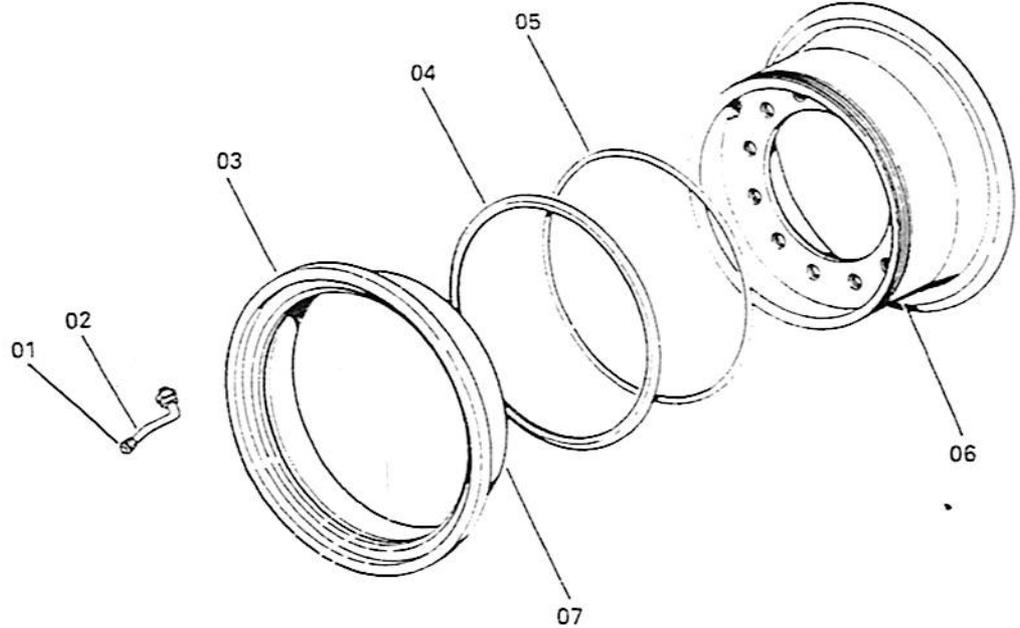
Ref.	Part Number	Description	Quantity			
			Figure Number			
-	17Z25	.. SPRING .....	1			
-	39Z12	.. PISTON .....	1			
-	1045Z1728	.. KIT, Seal .....	1			
-		.. CUP .....	1			
-		.. BOOT .....	1			
25	1020Z5577	. SCREW, Bleeder .....	2			
26	1020Z583	. WASHER, Cylinder to spider lock. ....	4			
27	1020Z2917	. SCREW, Cylinder to spider cap .....	4			
28	1020Z2497	. GASKET, Inlet connection .....	2			
29	1020Z5499	. FITTING, Inlet connection .....	2			

## FRONT AND REAR AXLE STEER STOP INSTALLATION



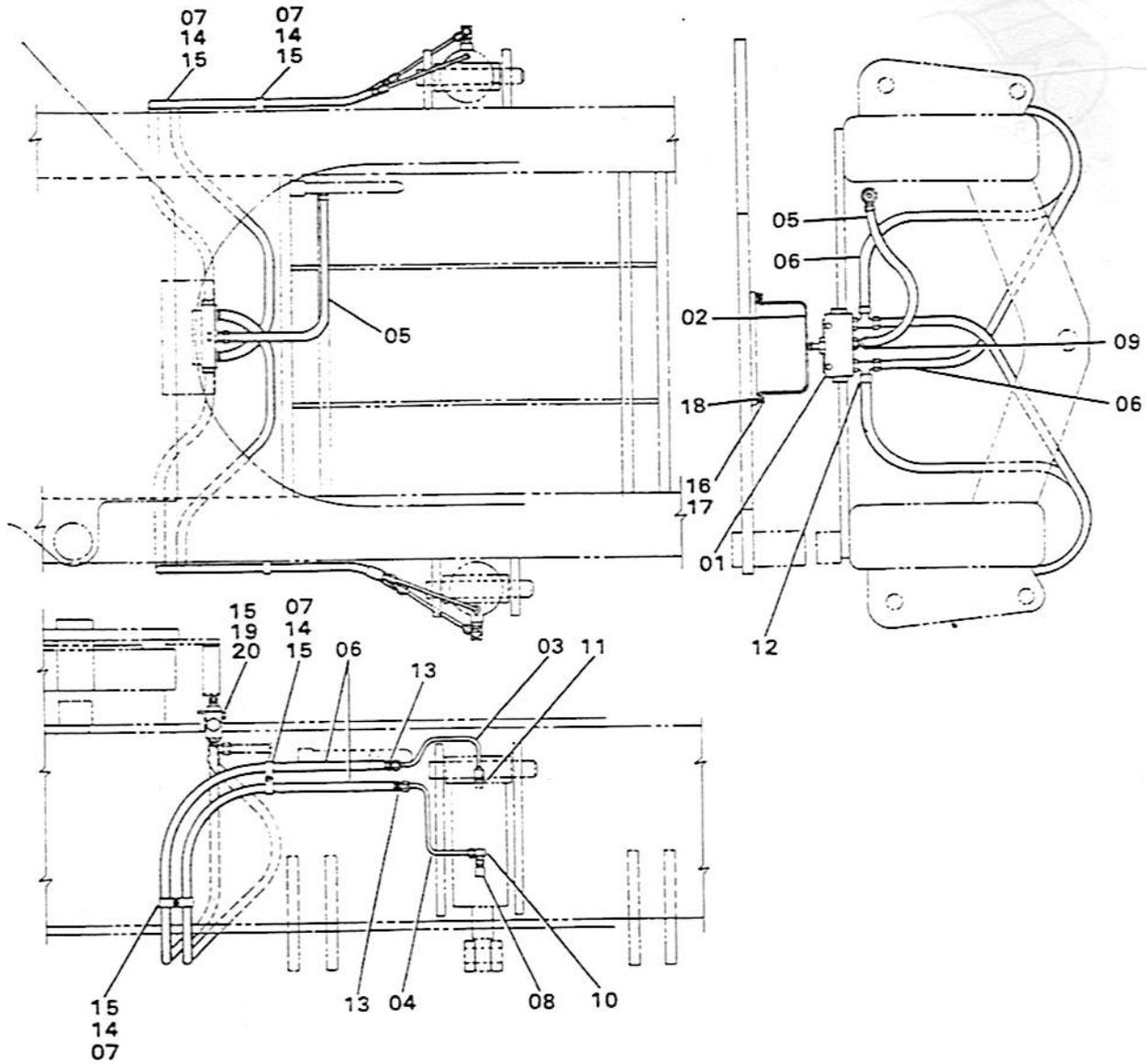
Ref.	OPTION Part Number	Description	Quantity								
			Figure Number								
			1	2	3	4	5	6	7		
-	100N2855-1	STEER, STOP INST./FRONT W/14.00 TIRES		Y							
-	100N2855-2	STEER, STOP INST./FRONT W/17.50 TIRES			Y						
-	100N2855-3	STEER, STOP INST./FRONT W/16.00 OR 20.50 TIRES				Y					
-	100N2855-4	STEER, STOP INST./REAR W/14.00 TIRES					Y				
-	100N2855-5	STEER, STOP INST./REAR W/17.50 TIRES						Y			
-	100N2855-6	STEER, STOP INST./REAR W/16.00 OR 20.50 TIRES							Y		
-	100N2855-7	STEER, STOP INST./FRONT W/14.00 TIRES									Y
-	100N2855-8	STEER, STOP INST./FRONT W/16.00 TIRES									Y
01	20Z1036D218	. BOLT, Hex hd. 5/8-11UNC x 3-1/4 in. . . . .	2	2	-	2	2	-	2	-	2
01	20Z1036D219	. BOLT, Hex hd. 5/8-11UNC x 3-1/2 in. . . . .	-	-	2	-	-	2	-	-	-
02	18T13613D1	. SPACER . . . . .	2	-	-	2	-	-	2	-	2
02	18T13613D2	. SPACER . . . . .	-	2	-	-	2	-	-	-	-
02	18T13613D3	. SPACER . . . . .	-	-	2	-	-	2	-	-	-
03	18Z694D7	. WASHER, Hard 5/8 in. . . . .	2	2	2	2	2	2	2	2	2

# WHEEL ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-		WHEEL ASSEMBLY - 14.00 x 24				
-		WHEEL ASSEMBLY - 17.50 x 25				
-		WHEEL ASSEMBLY - 20.50 x 25				
-		WHEEL ASSEMBLY - 16.00 x 24				
01	36Z1250	. EXTENSION, Air valve. ....	-	-	-	-
02	36Z765	. VALVE, Air. ....	1	-	-	1
02	36Z1022	. VALVE, Air. ....	-	1	1	-
03	13Z228	. FLANGE. ....	1	-	-	1
03	13Z234	. FLANGE. ....	-	1	-	-
03	13Z223	. FLANGE. ....	-	-	1	-
04	13Z229	. RING, Lock. ....	1	-	-	1
04	13Z235	. RING, Lock. ....	-	1	-	-
04	13Z225	. RING, Lock. ....	-	-	1	-
05	45Z477	. O-RING. ....	1	-	-	1
05	45Z478	. O-RING. ....	-	1	-	-
05	45Z475	. O-RING. ....	-	-	1	-
06	13P585	. BASE, Rim. ....	1	-	-	-
06	13P587	. BASE, Rim. ....	-	1	-	-
06	13P586	. BASE, Rim. ....	-	-	1	-
06	13P584	. BASE, Rim. ....	-	-	-	1
07	13Z251	. SEAT, Base. ....	-	-	1	-

### AXLE LOCKOUT ASSEMBLY

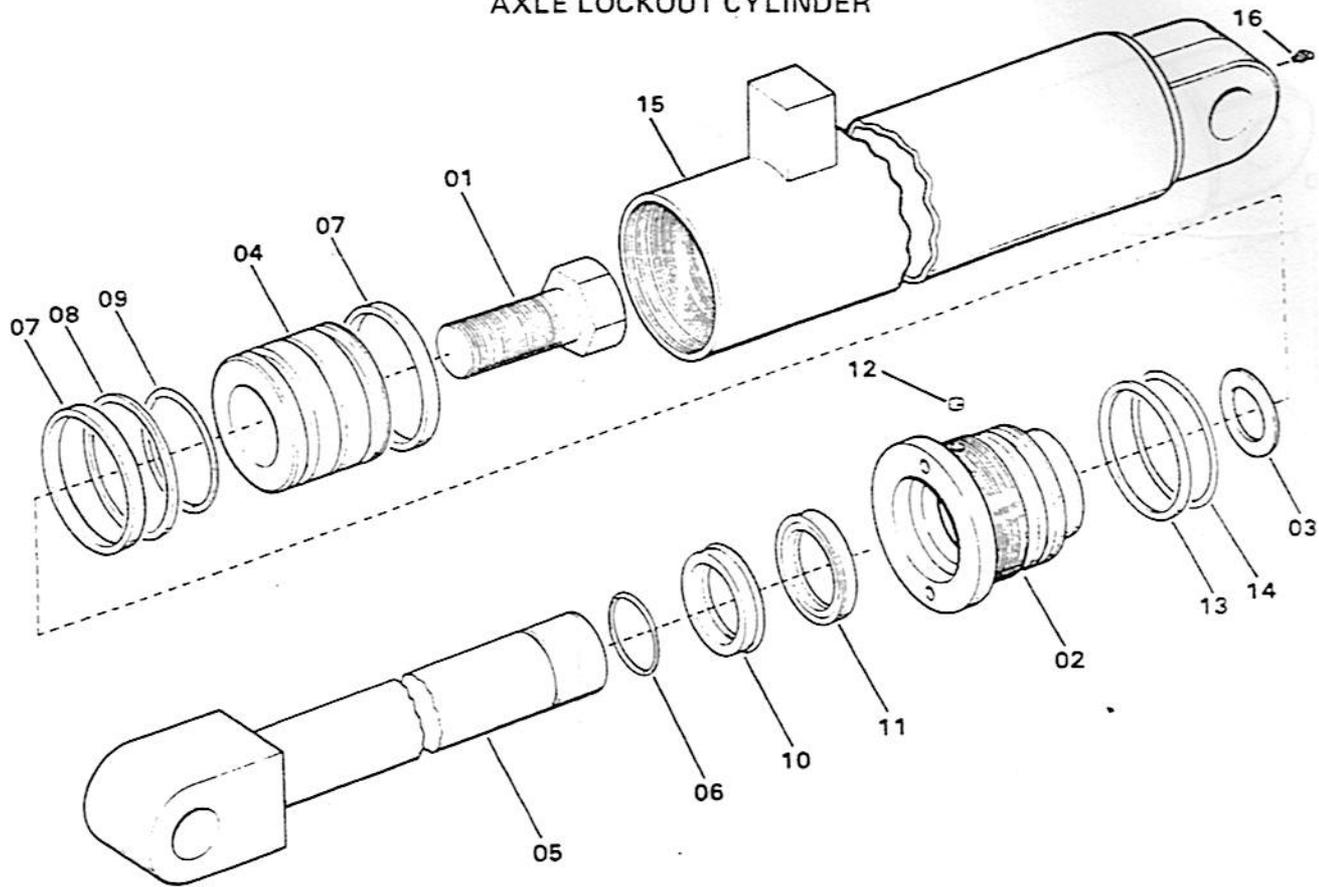


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	936J21-1	AXLE LOCKOUT ASSY.	1			
01	36Q234D1	. VALVE . . . . .	1			
02	16P5428	. BRACKET . . . . .	1			
03	44N511	. TUBE ASSY. . . . .	2			
04	44N513	. TUBE ASSY. . . . .	2			
05	44P42D22	. HOSE ASSY. . . . .	2			
06	44Q511D3	. HOSE ASSY. . . . .	4			
07	32Z423D1	. CLAMP . . . . .	8			
08	44Z421D3	. ELBOW . . . . .	2			
09	44Z421D6	. ELBOW . . . . .	1			

AXLE LOCKOUT ASSEMBLY (Continued)

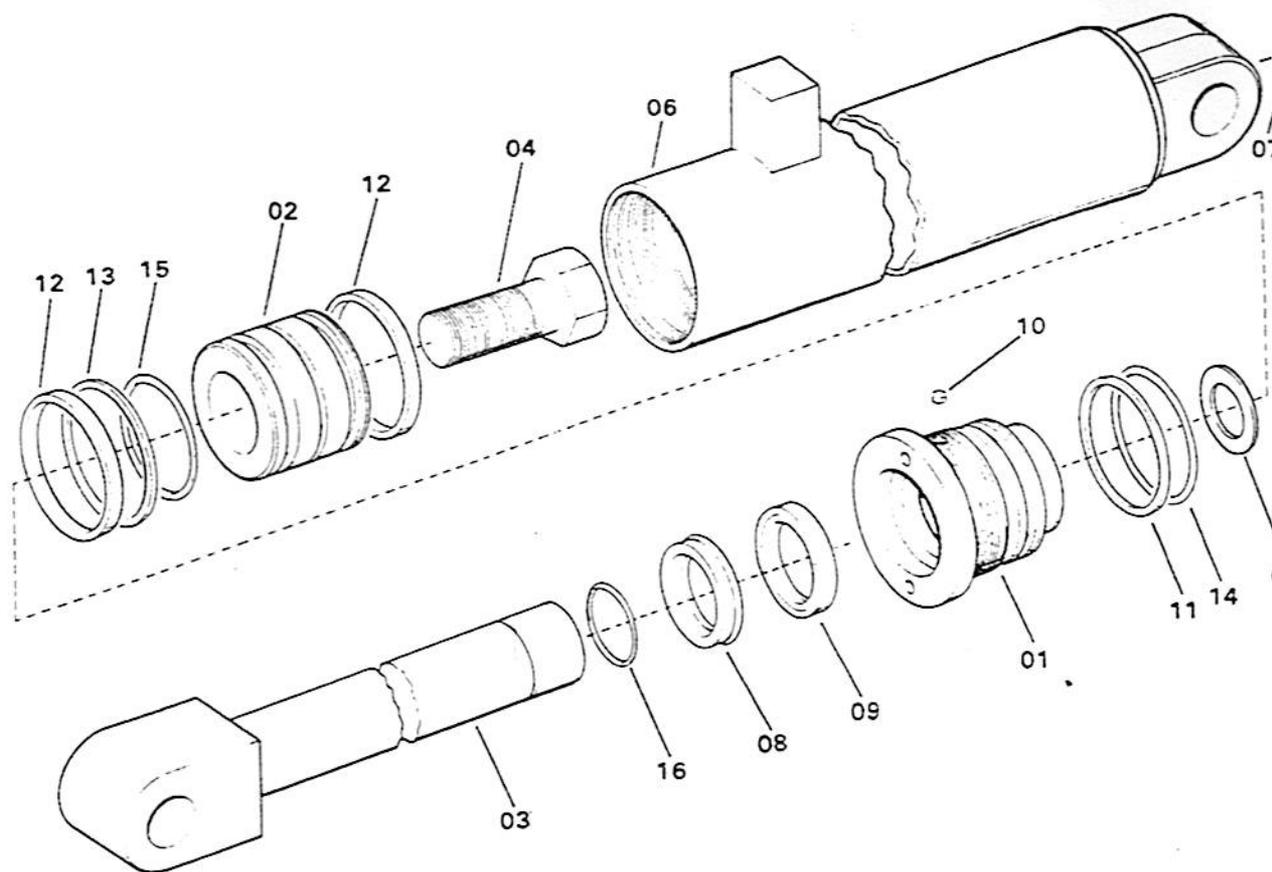
Ref.	OPTION Part Number	Description	Quantity			
			Figure Nu			
			1			
10	44Z473D5	. ELBOW . . . . .	2			
11	44Z485D7	. CONNECTOR . . . . .	2			
12	44Z488D6	. TEE . . . . .	2			
13	44Q44D11	. UNION . . . . .	4			
14		. NUT, Hex 3/8 in. -16UNC . . . . .	4			
15		. WASHER, Lock 3/8 in. . . . .	6			
16		. SCREW, Hex hd. cap 1/4 in. -20UNC x 5/8 in. . . . .	2			
17		. WASHER, Lock 1/4 in. . . . .	2			
18		. WASHER, Flat 1/4 in. . . . .	4			
19		. SCREW, Hex hd. cap 3/8 in. -16 x 2 in . . . . .	2			
20		. WASHER, 3/8 in. . . . .	2			

### AXLE LOCKOUT CYLINDER



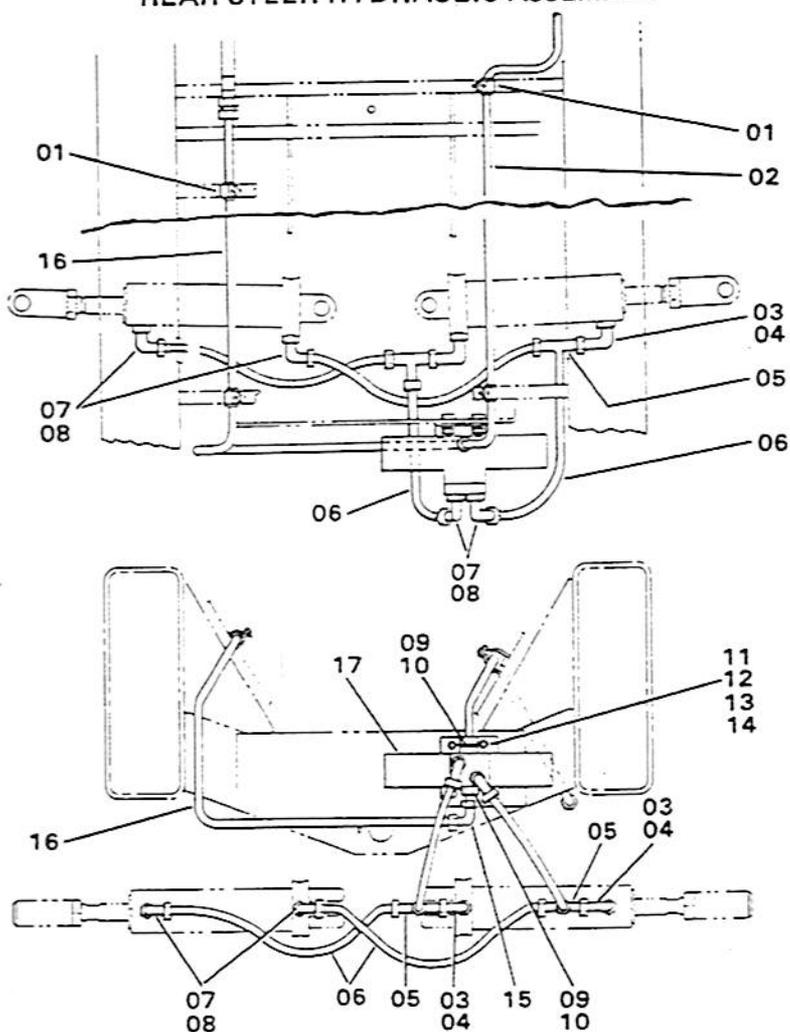
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2		
-	938J93-1	AXLE LOCKOUT CYLINDER				
-	938J93-2	AXLE LOCKOUT CYLINDER				
01	20Z1187D7	. SCREW, Self-lock hex hd. cap 1-14UNF x 2-1/2 in. Gr. 8 . . . . .	1	1		
02	20N366	. BEARING, Rod end. . . . .	1	1		
03	18Z694D10	. WASHER, Hardened flat 1 in. . . . .	1	1		
04	39N99	. PISTON. . . . .	1	1		
05	20P1615	. ROD, Piston. . . . .	1	1		
-	1100J215-46	. KIT, Piston seal. . . . .	1	1		
06		. O-RING. . . . .	1	1		
07		. RING, Wear . . . . .	2	2		
08		. SEAL, Piston . . . . .	1	1		
09		. O-RING . . . . .	1	1		
-	1100J215-45	. KIT, Rod seal . . . . .	1	1		
10		. WIPER, Rod. . . . .	1	1		
11		. SEAL, Rod. . . . .	1	1		
12		. LOCK, Rod end. . . . .	1	1		
13		. RING, Back-up . . . . .	1	1		
14		. O-RING . . . . .	1	1		
15	38N58	. BODY, Cylinder . . . . .	1	-		
15	38N65	. BODY, Cylinder . . . . .	-	1		
16	44Z1D28	. FITTING, Lube. . . . .	1	1		

### CYLINDER, AXLE-LOCKOUT



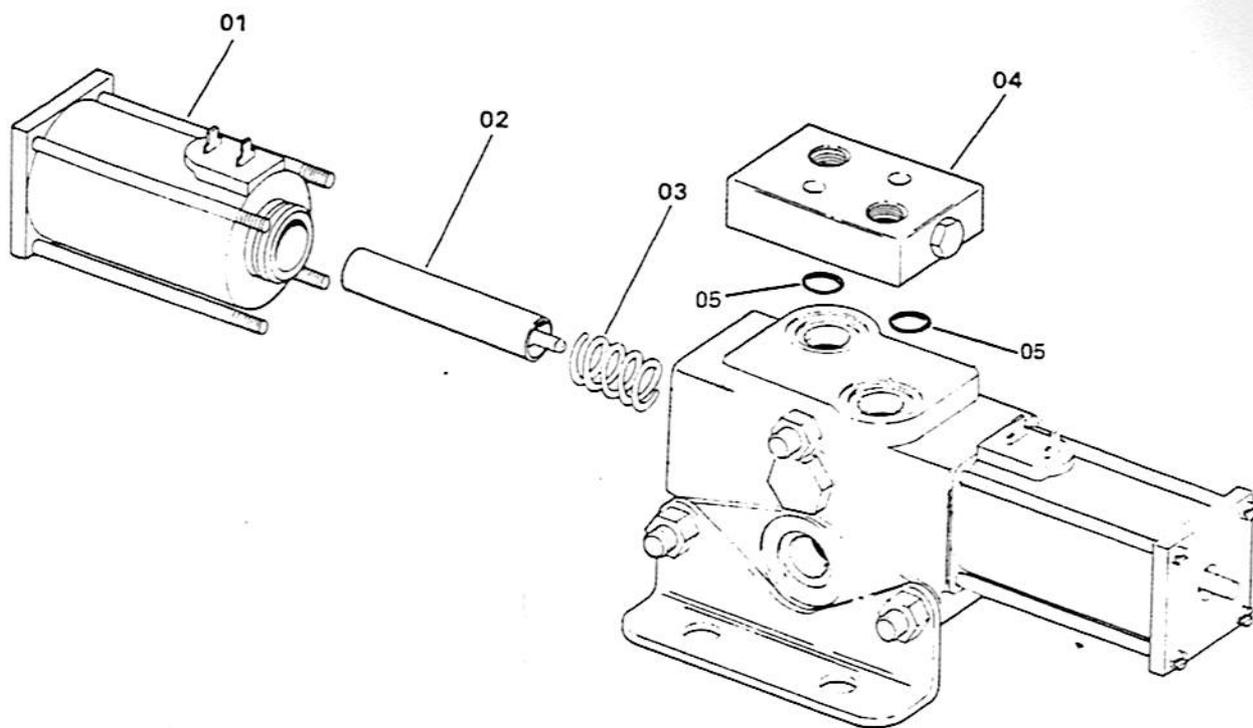
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
-	938J185-1	CYLINDER, AXLE-LOCKOUT	1			
01	20N366	. BEARING, Rod end. . . . .	1			
02	39N99	. PISTON. . . . .	1			
03	20P1615	. ROD, Piston . . . . .	1			
04	20Z1187D7	. SCREW, Self-lock hex hd. cap 1-14UNF x 2-1/2 in. grd. 8 . . . . .	1			
05	18Z694D10	. WASHER, Flat hard. 1" . . . . .	1			
06	38N65	. BODY, Cylinder . . . . .	1			
07	44Z1D28	. FITTING, Lube. . . . .	1			
-	1100T253-1	. KIT, Seal . . . . .	1			
08		. . WIPER, Rod . . . . .	1			
09		. . SEAL, Rod. . . . .	1			
10		. . LOCK, Rod bearing . . . . .	1			
11		. . RING, Back up . . . . .	1			
12		. . RING, Wear . . . . .	2			
13		. . SEAL, Piston . . . . .	1			
14		. . O-RING - 244 . . . . .	1			
15		. . O-RING - 345 . . . . .	1			
16		. . O-RING - 222 . . . . .	1			

### REAR STEER HYDRAULIC ASSEMBLY



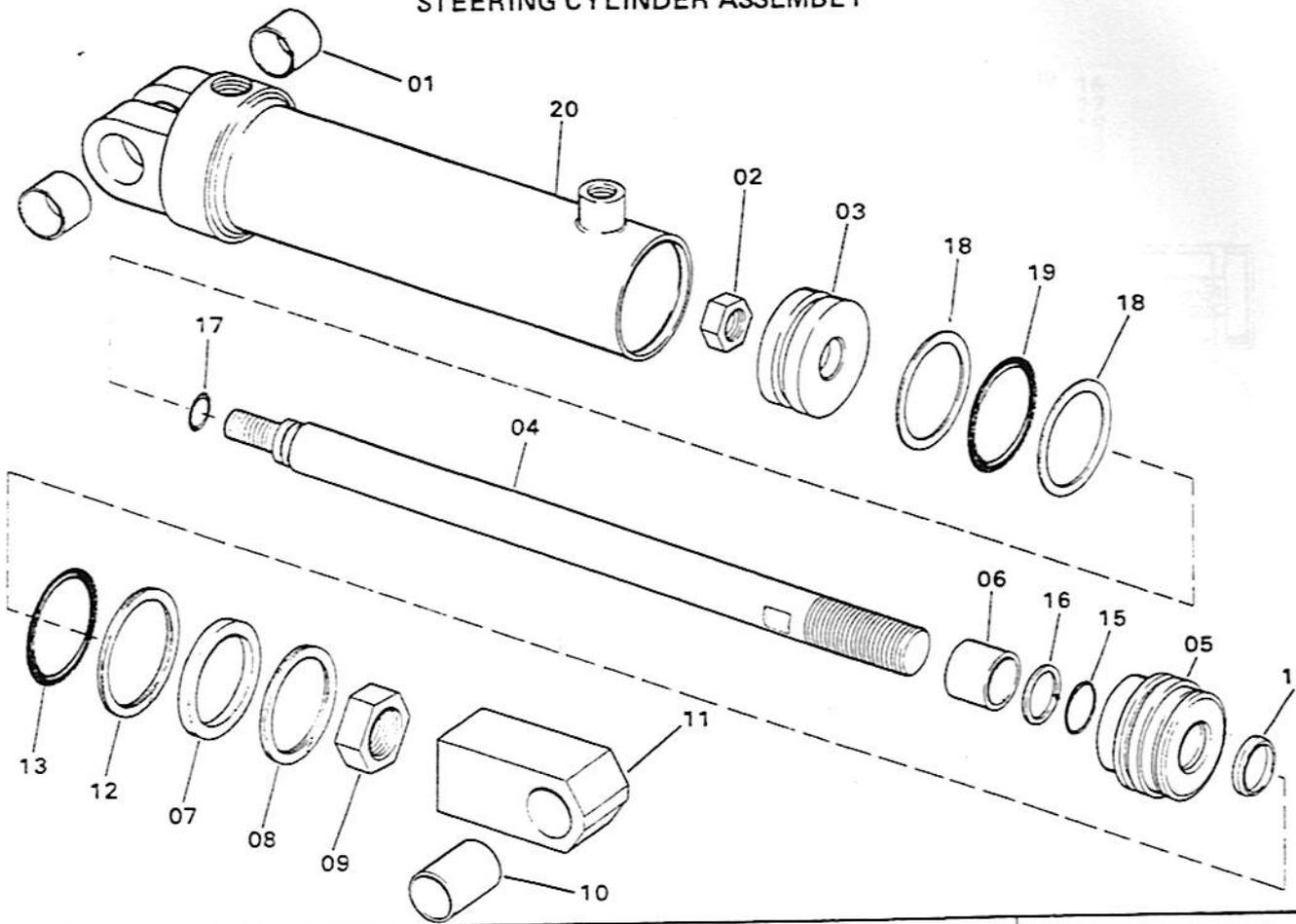
Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
-	936J10-1	REAR STEER HYDRAULIC ASSEMBLY	1			
01	16Z338D3	. CLAMP ASSY., Tube	4			
02	44N663	. TUBE ASSY.	1			
03	44Z421D6	. ELBOW, 90° o-ring	2			
04	45Z91D47	. O-RING	1			
05	44Z487D6	. TEE, Swivel nut run.	2			
06	44Q501D1	. HOSE ASSY.	4			
07	44Z421D20	. ELBOW, 90° o-ring	4			
08	45Z91D47	. O-RING	1			
09	44Z485D23	. CONNECTOR, O-ring.	2			
10	45Z91D58	. O-RING	1			
11		. SCREW, Hex. hd. cap 1/2-13UNC x 1 in.	-			
12		. WASHER, Flat 1/2 in.	4			
13		. WASHER, Lock 1/2 in.	4			
14		. NUT, Hex. 1/2-13UNC	4			
15	44Z473D7	. ELBOW, 90°	1			
16	44N659	. TUBE ASSY.	1			
17	36U143D1	. VALVE, Solenoid (Page 23.1)	1			

## DOUBLE SOLENOID VALVE



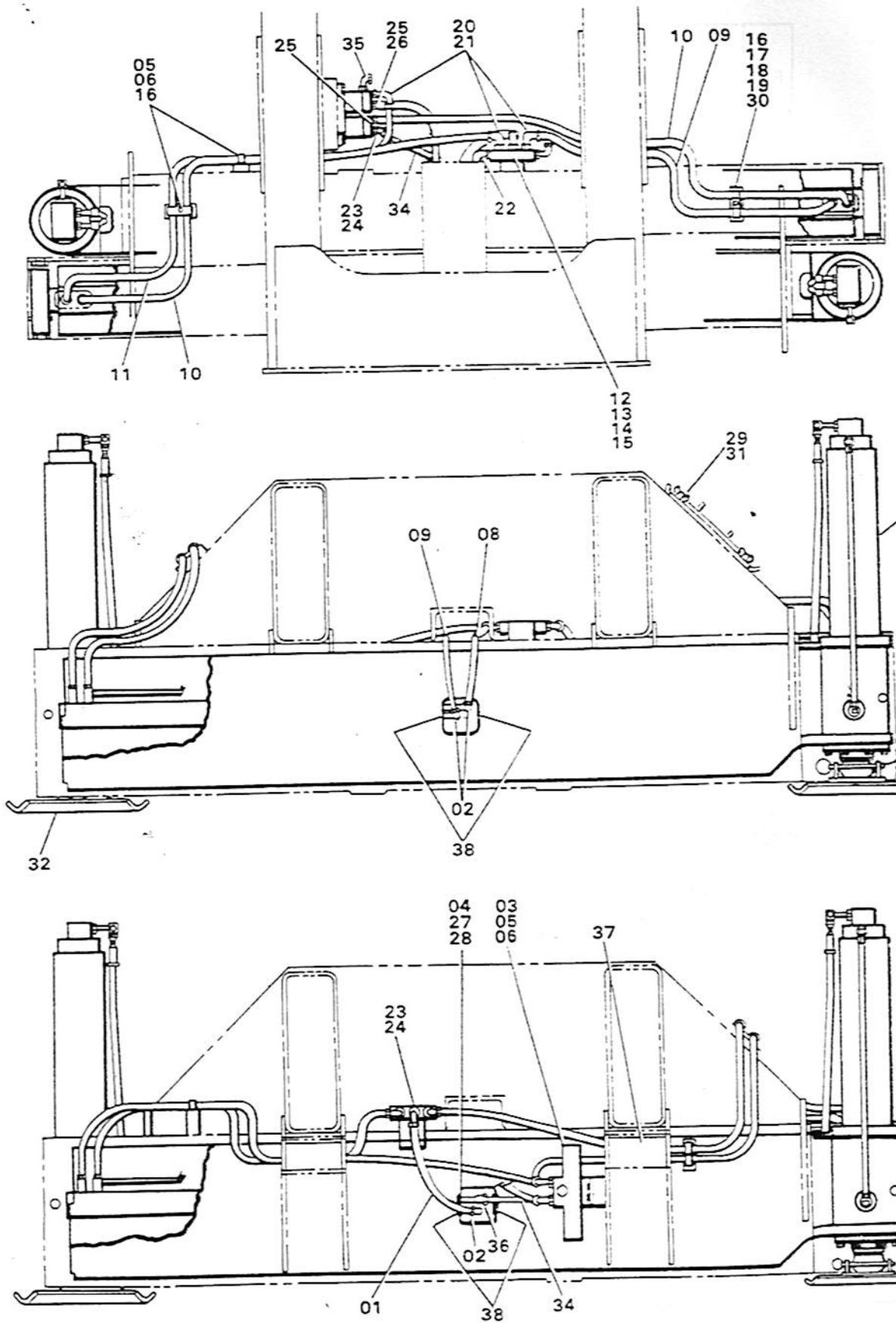
Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
-	36U143D1	DOUBLE SOLENOID VALVE		
01	1081Z6	. SOLENOID ASSY. ....	2	
02	1044Z512	. . GUIDE, Tube assy . . . . .	2	
03	1017Z928	. SPRING, Centering . . . . .	2	
04	1036Z824	. VALVE, Lock. . . . .	1	
05	1045Z830	. O-RING . . . . .	2	

### STEERING CYLINDER ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	38R74	STEERING CYLINDER ASSEMBLY	Y			
01	1005Z542	. BUSHING	2			
02	1020Z5543	. NUT	1			
03	1039Z207	. PISTON	1			
04	1020Z5540	. ROD, Piston	1			
05	1018Z5527	. HEAD	1			
06		. . BUSHING	1			
07	1020Z1818	. SPACER	1			
08	1018Z5529	. RING, Lock	1			
09	1020Z5542	. NUT, Jam	1			
10	1005Z541	. BUSHING, Rod end	1			
11	1020Z5541	. ROD, End	1			
-	1045Z1592	. KIT, Seal	1			
12		. . RING, Lock	1			
13		. . SEAL	1			
14		. . WIPER, Rod	1			
15		. . RING, Back-up	1			
16		. . SEAL	1			
17		. . SEAL	1			
18		. . RING, Back-up	2			
19		. . SEAL	1			
20	1045Z1628	. BODY, Cylinder	1			

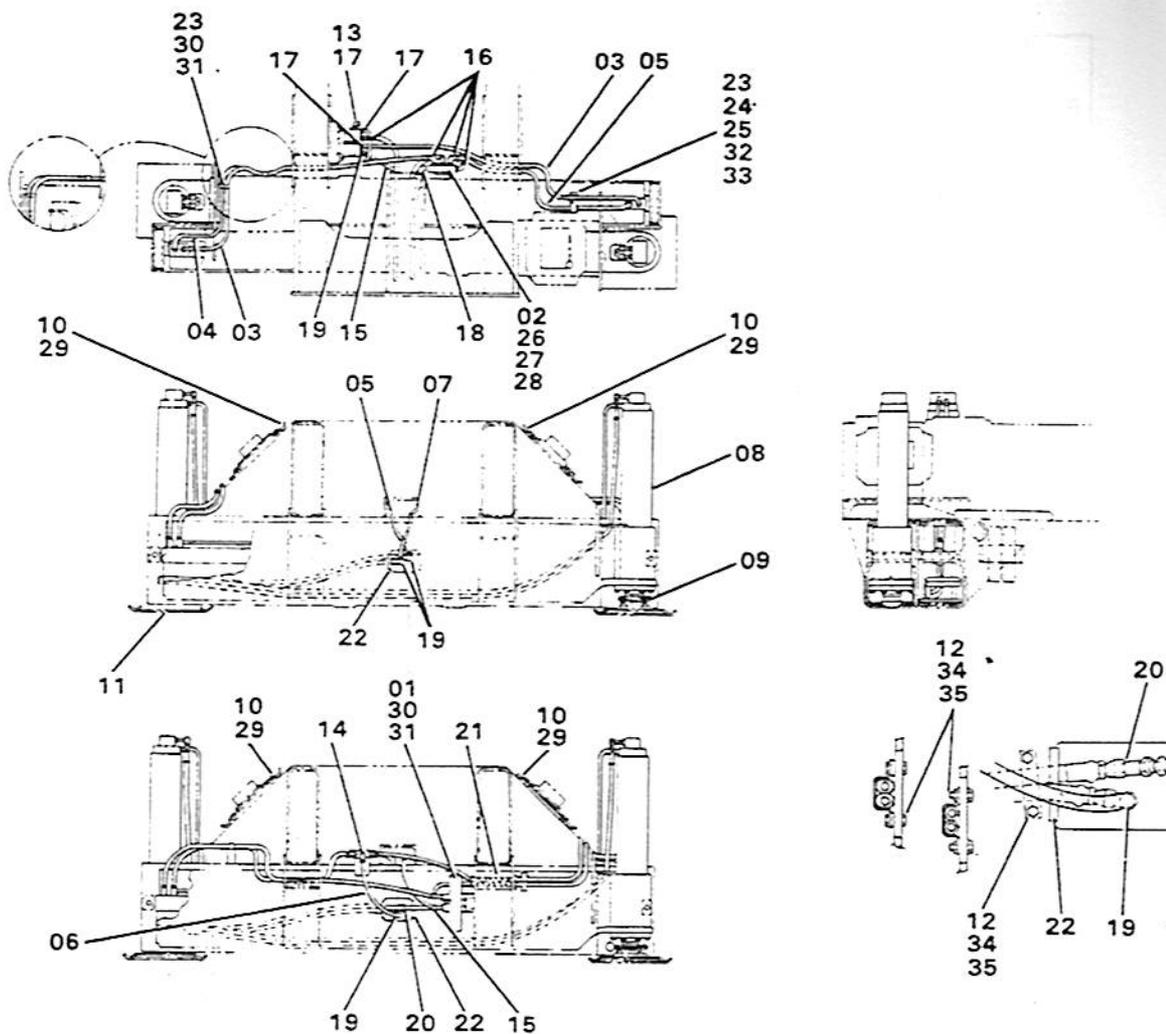
# OUTRIGGER HYDRAULIC ASSEMBLY



## OUTRIGGER HYDRAULIC ASSEMBLY (Continued)

Ref.	Part Number	Description	Quant	
			Figure N	
			5	
—	944J57-5	HYDRAULIC ASSEMBLY — OUTRIGGER	1	
01	44Q501D10	. HOSE ASSEMBLY	2	
02	44Q47D13	. ELBOW, 90°	6	
03	36U142D1	. VALVE, Solenoid (Page 26.1)	2	
04		. SCREW, Hex hd. cap 3/8 in.—16UNC x 1-1/4 in.	8	
05		. WASHER, Lock 3/8 in.	10	
06		. NUT, Hex 3/8 in.—16UNC	10	
07	929J13-5	. BEAM ASSEMBLY, (Page 27.1)	4	
08	44Q501D11	. HOSE ASSEMBLY	2	
09	44Q501D9	. HOSE ASSEMBLY	4	
10	44Z501D7	. HOSE ASSEMBLY	4	
11	44Q501D8	. HOSE ASSEMBLY	2	
12	44Q527	. MANIFOLD	2	
13		. SCREW, Rd. hd. mach. #10—24UNC x 1-3/4 in.	8	
14		. WASHER, Lock #10	8	
15		. NUT, Hex #10—24UNC	8	
16	32Z423D1	. CLAMP, Tube.	8	
17		. SCREW, Hex hd. cap 1/4—20UNC x 5/8 in.	2	
18		. WASHER, Lock 1/4 in.	2	
19		. WASHER, Flat 1/4 in.	2	
20	44Z421D6	. ELBOW, 90° o-ring	8	
21	45Z91D47	. O-RING	1	
22	44Z1390D3	. ELBOW, 90°	2	
23	44Z429D4	. ELBOW, 45°	2	
24	45Z91D47	. O-RING	1	
25	44Z485D9	. CONNECTOR, O-ring.	8	
26	45Z91D47	. O-RING	1	
27	32Z1823D1	. CLAMP	4	
28		. WASHER	16	
29	20H1686D16	. NUTS, Wing	8	
30		. NUT, Hex 1/4 in.—20.	2	
31		. WASHER, Plain 1/2 in.	8	
32	29P1407	. FLOAT, Outrigger	4	
33	19Z274D28	. PIN, Hitch	4	
34	44Q501D36	. HOSE ASSEMBLY	—	
35	44Z473D6	. ELBOW, Swivel nut 90°	2	
36	44Q44D15	. ELBOW, 45°	2	
37	14Z303D1	. GUARD, Hose 8.0 in. lg.	4	
38	27Z971	. CHANNEL, Rubber 3.50 lg.	8	

## OUTRIGGER ASSEMBLY

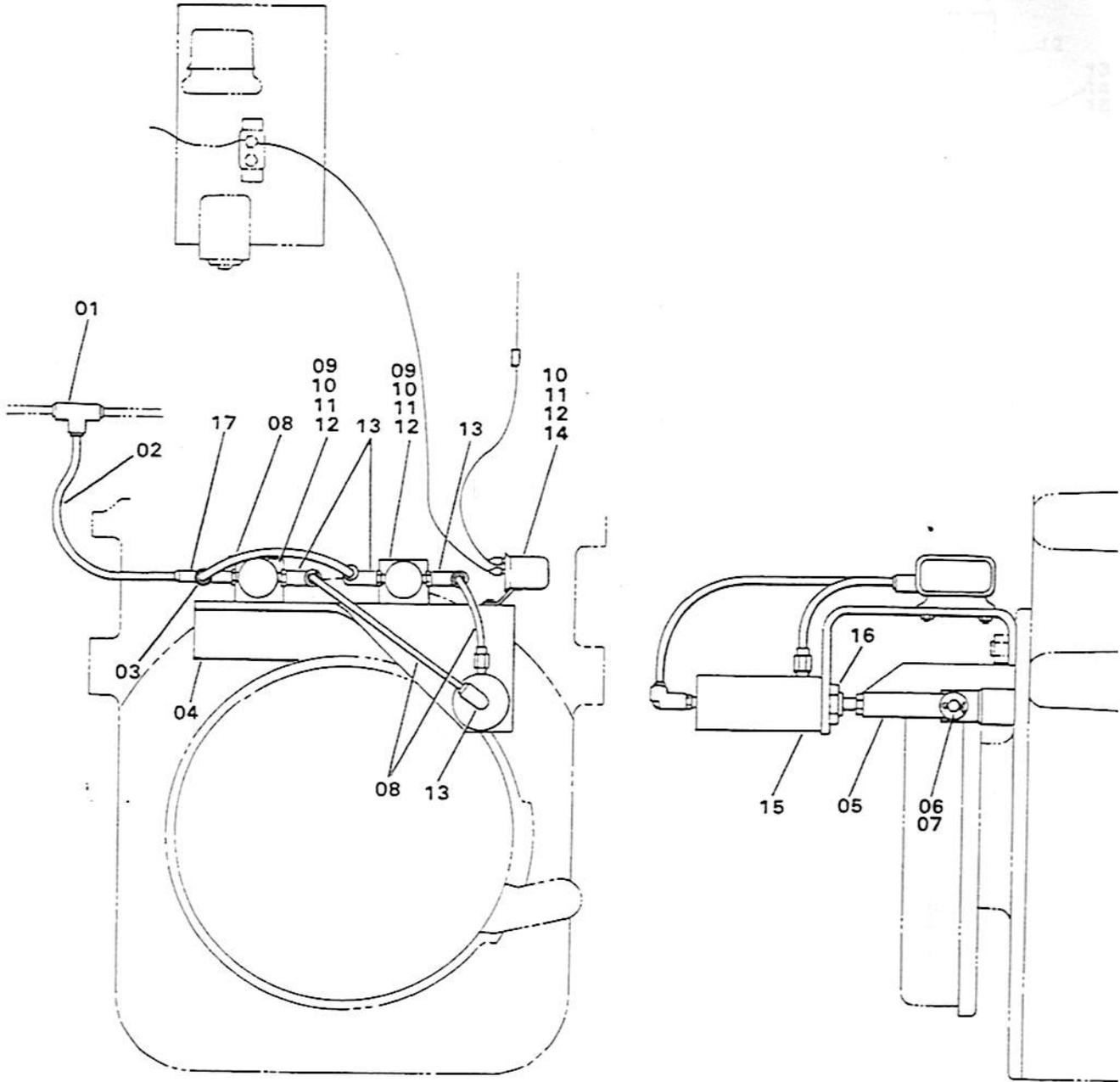


Ref.	Part Number	Description	Quantity			
			Figure Number			
			2	3		
-	944J88-2	OUTRIGGER ASSEMBLY - FIRE RES. FLUID				
-	944J88-3	OUTRIGGER ASSEMBLY - FIRE RES. FLUID				
01	36U142D1	. VALVE, (Page 26.1)	2	2		
02	44Q527	. MANIFOLD	2	2		
03	44Q501D7	. HOSE ASSEMBLY	4	4		
04	44Q501D8	. HOSE ASSEMBLY	2	2		
05	44Q501D9	. HOSE ASSEMBLY	4	4		
06	44Q501D10	. HOSE ASSEMBLY	2	2		
07	44Q501D11	. HOSE ASSEMBLY	2	2		
08	929J22-2	. BEAM ASSEMBLY, Outrigger (Page 27.2)	4	-		
08	929J22-3	. BEAM ASSEMBLY, Outrigger (Page 27.2)	-	4		
09	19Z274D28	. PIN, Hitch	4	4		
10	20H1686D16	. NUTS, Wing	8	8		
11	29P1407	. FLOAT, Outrigger	4	4		
12	32Z1823D1	. CLAMP	4	4		

OUTRIGGER ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity	
			Figure Number	
			2	3
13	44Z473D6	. ELBOW, Swivel nut 90°	2	2
14	44Z429D4	. ELBOW, 45°	2	4
15	44Q501D36	. HOSE ASSEMBLY	2	2
16	44Z421D6	. ELBOW, 90°	8	8
17	44Z485D9	. CONNECTOR.	6	6
18	44Z1390D3	. ELBOW, 90°	2	2
19	44Q47D13	. ELBOW, 90°	6	6
20	44Q44D15	. ELBOW, 45° flare tube to flare tube	2	2
21	14Z303D1	. GUARD, Hose 8.0 in. lg	1	4
22	27Z971	. CHANNEL, (Rubber) 3.50 lg.	8	8
23	32Z423D1	. CLAMP, Rubber coated	8	8
24		. WASHER, Lock 1/4 in	2	2
25		. SCREW, Hex hd. cap 1/4 in.—20UNC x 5/8 in	2	2
26		. SCREW, Rd. hd. mach. #10—24UNC x 1-3/4 in	8	8
27		. WASHER, Lock #10	8	8
28		. NUT, Hex #10	8	8
29		. WASHER, Plain 1/2 in	8	8
30		. WASHER, Lock 3/8 in	10	10
31		. NUT, Hex 3/8 in	10	10
32		. WASHER, Flat 1/4 in.	2	2
33		. NUT, Hex 1/4 in.—20.	2	2
34	18P929D4	. SPACER	8	8
35		. SCREW, Hex hd. cap 3/8 in.—16UNC x 1-1/4 in	8	8

# POWER RANGE SHIFT ASSEMBLY

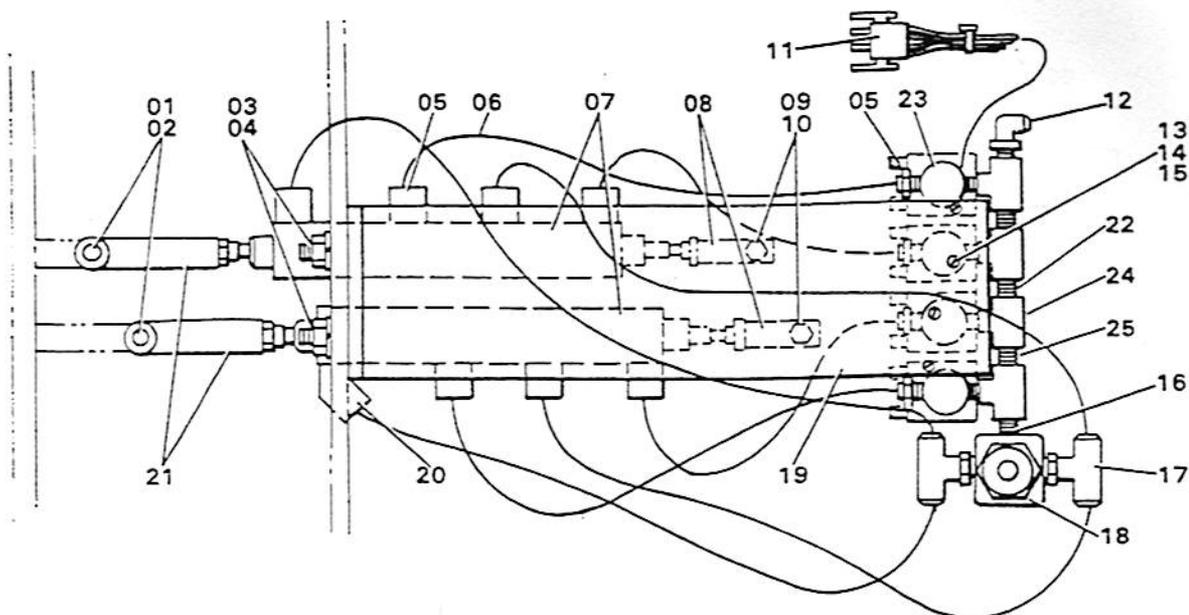


Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	906J43-3	POWER RANGE SHIFT ASSEMBLY	3			
01	44Z1727D4	. TEE, Nylon tube . . . . .	2			
02	20Z1411D2	. TUBE, Nylon . . . . .	AR			
-	906N48-3	. SHIFT ASSY., Power . . . . .	1			
03	44Z1813D7	.. CONNECTOR, Male. . . . .	1			
04	16N2636	.. BRACKET, Shift assy. . . . .	1			

POWER RANGE SHIFT ASSEMBLY (Continued)

Ref.	OPTION Part Number	Description	Quantity	
			Figure	
			3	
05	6Z629	.. CLEVIS, Cylinder .....	1	
06	19Z148D6	.. PIN, Drilled .....	1	
07		.. PIN, Cotter 1/8 x 1 in. lg .....	1	
08	20Z1411D2	.. TUBE, Nylon .....	AR	
09	36Z871	.. VALVE, Solenoid .....	2	
10		.. SCREW, Rd. hd. mach. #10-24UNC x 5/8 in. ....	6	
11		.. WASHER, Lock #10 .....	6	
12		.. NUT, Hex #10-24UNC .....	6	
13	44Z1723D6	.. ELBOW, 90° .....	4	
14	79P448	.. RELAY .....	1	
15	38Z345	.. CYLINDER, Shift .....	1	
16		.. NUT, 3/4 in. -16UNF. ....	1	
17	44Z1725D4	.. TEE, Male run. ....	1	

## TRANSMISSION SHIFTER INSTALLATION

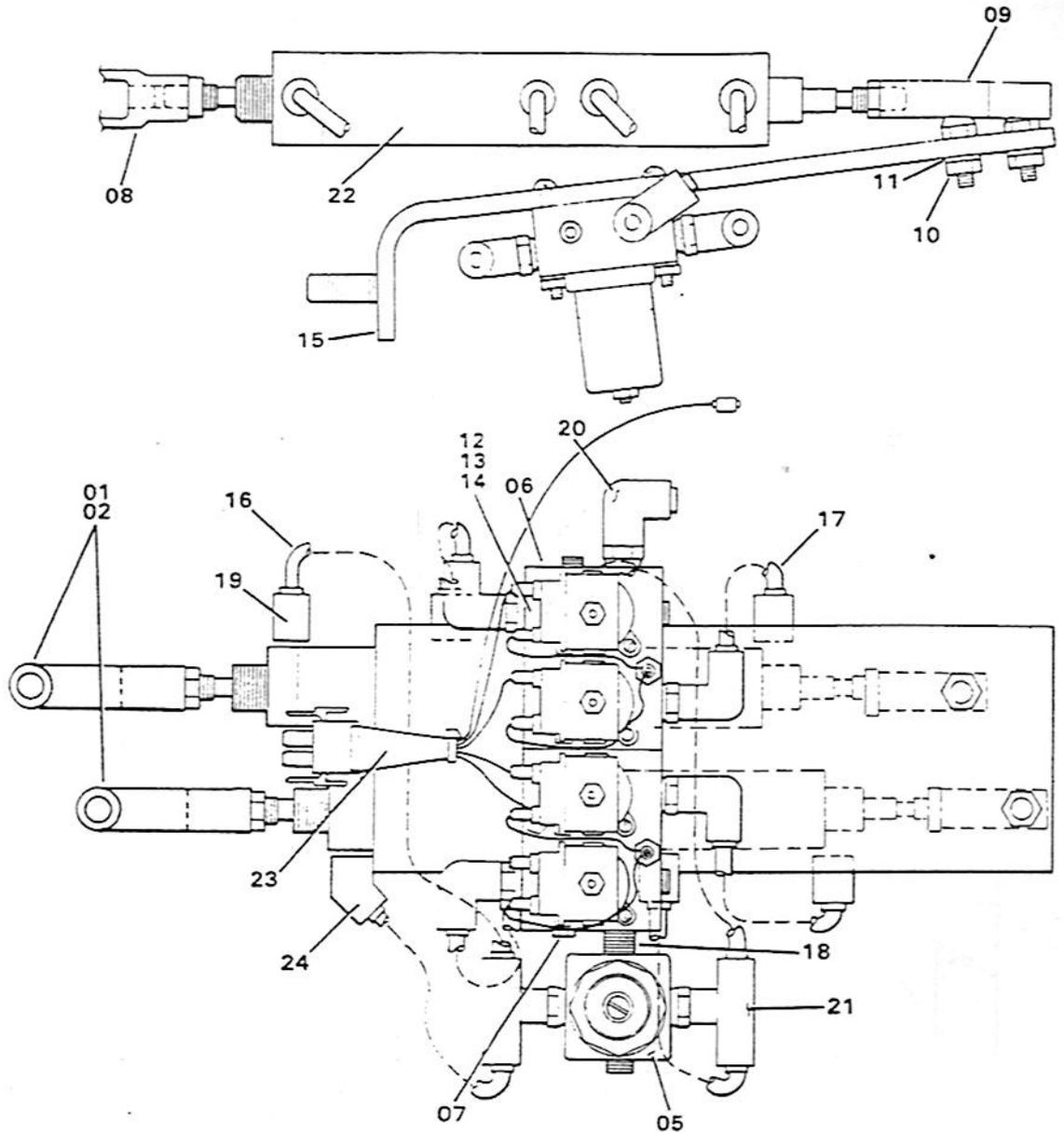


Ref.	Part Number	Description	Quantity			
			Figure Number			
			2			
-	953N13-2	TRANSMISSION SHIFTER INSTALLATION	1			
01	19Z148D4	. PIN, Drilled	2			
02		. PIN, Cotter 1/8 x 3/4 in. lg.	2			
03		. WASHER, Lock 3/8 in.	2			
04		. NUT, Hex 3/8-16UNC.	2			
-	953J17-2	. SHIFTER ASSY., Transmission	1			
05	44Z1813D7	. CONNECTOR, Male	10			
06	SEE NOTE	. TUBE, Nylon 1/4 in. x 118 in.	AR			
07	38Q74	. CYLINDER, Air	2			
08	6Z100D4	. JOINT, Ball	2			
09		. NUT, Hex 5/16-24UNF.	2			
10		. WASHER, Lock 5/16	2			
11	79Q552	. HARNESS, Wire	-			
12	44Z1723D6	. ELBOW, 90° male	1			
13		. SCREW, Rd. hd. mach. #8-32UNC x .5	4			
14		. WASHER, Lock #8	4			
15		. WASHER, Flat #10	4			
16	241E001	. NIPPLE, Close 1/8 in.	1			
17	44Z1724D4	. TEE, Male branch	2			
18	36Z1241	. REGULATOR, Air	1			
19	16P5283	. BRACKET, Mounting	1			
20	44Z1833D1	. ELBOW, 45° male	-			
21	6Z131D14	. CLEVIS	2			
22	36Q273	. VALVE ASSY., Solenoid	1			
23	1081Z15	. VALVE, Solenoid	4			
24		. TEE, Male 1/8NPT x 1-1/16 in. lg.	4			
25		. NIPPLE, Close 1/8NPT x 1 in. lg.	4			

### NOTE

When ordering nylon tubing, you MUST order P&H Spec. 4451.  
State I.D. and length required.

# SHIFTER INSTALLATION – TRANSMISSION



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	953P3-2	SHIFTER INSTALL. – TRANS. – DEUTZ	2			
01	19Z148D4	. PIN, 3/8 in. dia..	2			
02		. PIN, Cotter.	2			
03		. WASHER, Lock 3/8 in. – not shown.	2			
04		. NUT, Hex 3/8 in. – not shown.	2			
-	953N6-3	. SHIFTER ASSY., – Trans.	1			
05	36Z1231	. REGULATOR.	1			

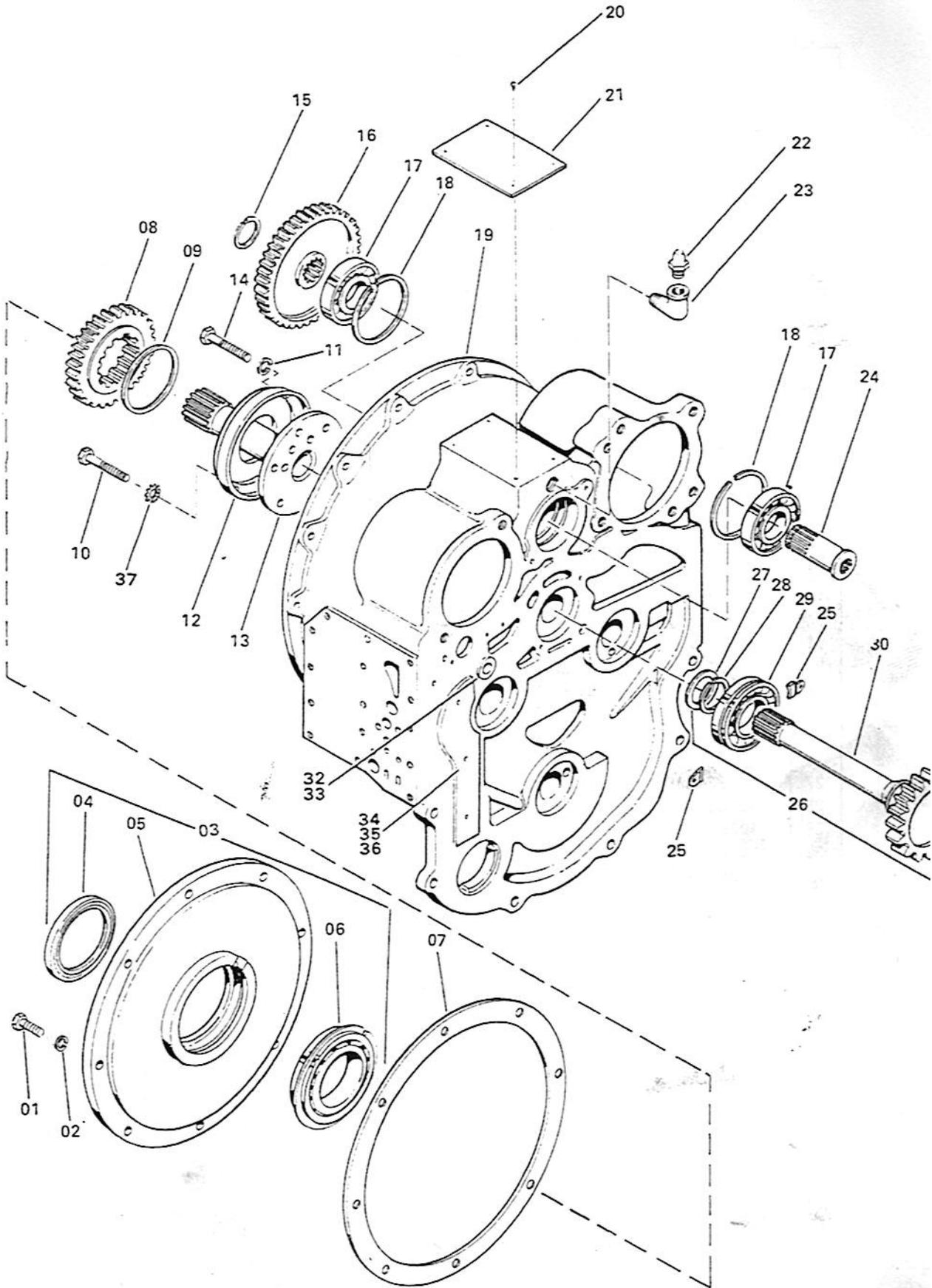
## SHIFTER INSTALLATION – TRANSMISSION (Continued)

Ref.	OPTION Part Number	Description	Quantity	
			Figure No.	
			2	
06	36Q268	.. VALVE ASSY., Sol. . . . .	1	
–	1036Z863	.. VALVE, 3 way sol. . . . .	4	
–	1020Z6112	.. SCREW . . . . .	8	
–	1020Z5589	.. GASKET . . . . .	4	
–	1008Z104	.. BLOCK MANIFOLD . . . . .	2	
–	1020Z6110	.. NUT . . . . .	4	
–	1020Z6111	.. SCREW . . . . .	1	
–	1045Z1822	.. O-RING . . . . .	2	
07	46Z330D1	.. PLUG, Hole . . . . .	1	
08	6Z131D14	.. CLEVIS . . . . .	2	
09	6Z100D4	.. JOINT, Ball . . . . .	2	
10		.. NUT, Hex 5/16 in.–24 . . . . .	2	
11		.. WASHER, Lock 5/16 in. . . . .	2	
12		.. SCREW, Rd. hd. mach. #10–24 x 1.50 . . . . .	4	
13		.. NUT, Hex #10 . . . . .	4	
14		.. WASHER, Lock #10 . . . . .	4	
15	16P5307	.. BRACKET, Trans. shift. . . . .	1	
16	20Z1411D2	.. TUBING, 1/4 in. x 12 in. lg. . . . .	2	
17	20Z1411D2	.. TUBING, 1/4 in. x 7 in. lg. . . . .	6	
18		.. NIPPLE, 1/8 in. close . . . . .	1	
19	44Z1813D7	.. CONNECTOR, Male. . . . .	7	
20	44Z1723D6	.. ELBOW, Male 90° . . . . .	5	
21	44Z1724D4	.. TEE, Male branch . . . . .	2	
22	38Q74	.. CYLINDER, Air . . . . .	2	
23	79Q569	.. HARNESS, Wire . . . . .	1	
24	44Z1833D1	.. ELBOW, Male 45° . . . . .	1	

**NOTE**

All individual wires, leads and jumpers should be fabricated locally.

TRANSMISSION ASSEMBLY  
FRONT COVER AND INPUT GROUP



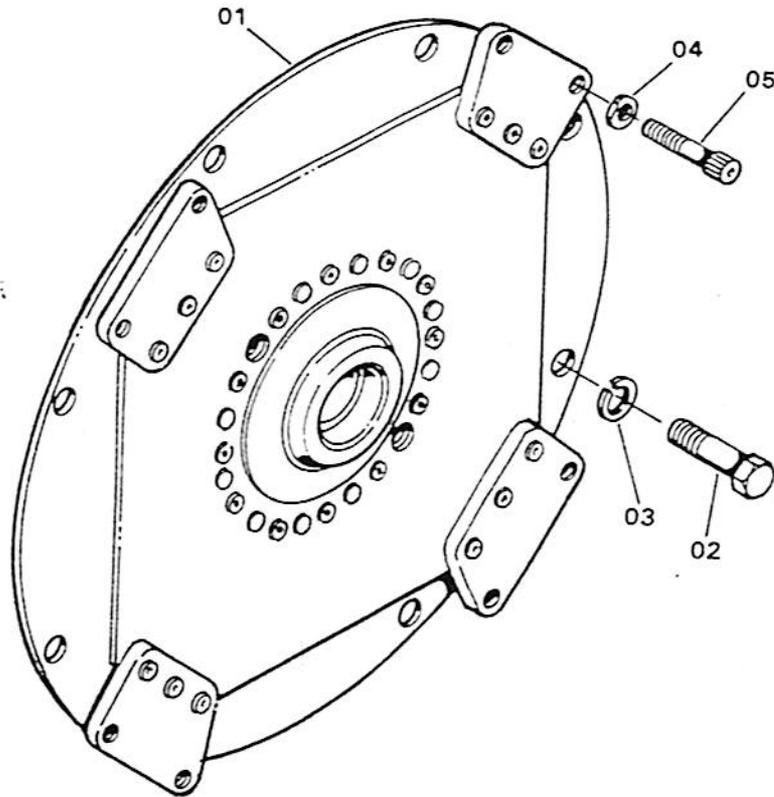
## TRANSMISSION ASSEMBLY FRONT COVER AND INPUT GROUP (Continued)

Ref.	Part Number	Description	Quan	
				Figure N
-	1014Z1577	FRONT COVER & INPUT GROUP	7	
01		. SCREW, Cap 3/8-16UNC x 1 in.	7	
02		. WASHER, Lock 3/8 in.	1	
03	1025Z1290	. RETAINER ASSEMBLY Bearing	1	
04	SEE NOTE	. SEAL, Oil	1	
05	1018Z3563	. RETAINER, Bearing	1	
06	1025Z1364	. BEARING	1	
07	SEE NOTE	. GASKET	1	
08	1001Z715	. GEAR, Impeller hub	1	
09	1018Z5776	. WASHER, Thrust	2	
10	1020Z3097	. SCREW, Cap 5/16-18UNC x 2-1/4 in.	4	
11	1018Z3260	. WASHER, Lock 5/16 in.	1	
12	1018Z3228	. PLATE, Cover	1	
13	1016Z350	. TUBE	4	
14	1020Z3095	. SCREW, Cap 5/16-18UNC x 1-1/4 in.	1	
15	1018Z3272	. RING, Retainer	1	
16	1001Z712	. GEAR, Auxiliary pump	2	
17	1025Z1298	. BEARING	2	
18	1018Z3268	. RING, Retainer	1	
19	1014Z1011	. COVER ASSEMBLY, Front	4	
20	1020Z3123	. SCREW, Drive	1	
21	1018Z4201	. PLATE, Name	1	
22	1046Z231	. BREATHER	1	
23	1044Z430	. ELBOW, Street	1	
24	1010Z654	. SHAFT, Auxiliary pump	2	
25	1032Z168	. CLIP	1	
26		. SHAFT ASSEMBLY, Input	1	
27	1018Z5565	. SEAL, Ring	1	
28	1018Z4211	. RING, Retainer	1	
29	1025Z1566	. BEARING	1	
30	1010Z1230	. SHAFT, Input	AR	
31	1020Z4467	. KIT, Gasket and seal	1	
32	1020Z5135	. PLUG, Pipe	1	
33	1036Z939	. VALVE, Relief	1	
34	1014Z1538	. COVER, Oil passage	1	
35	1045Z1551	. O-RING	3	
36	1020Z5469	. CAPSCREW, Hex. sod. hd.	2	
37	1018Z3257	. WASHER, Star 5/16 in.		

### NOTE

When resealing front cover and input group, ref. 31, gasket and seal kit, must be ordered.

TRANSMISSION ASSEMBLY  
DRIVE PLATE GROUP



Ref.	Part Number	Description	Quantity				
			Figure Number				
-		DRIVE PLATE GROUP					
01	1018Z4422	. DRIVE PLATE ASSEMBLY	1				
02	1020Z3098	. CAPSCREW, Hex. hd. 3/8-16 x 3/4 in.	8				
03	1018Z3261	. WASHER, Lock 3/8 in.	8				
04		. WASHER	8				
05	1020Z4211	. CAPSCREW, Soc. hd. 5/16-24 x 2-3/4 in.	8				

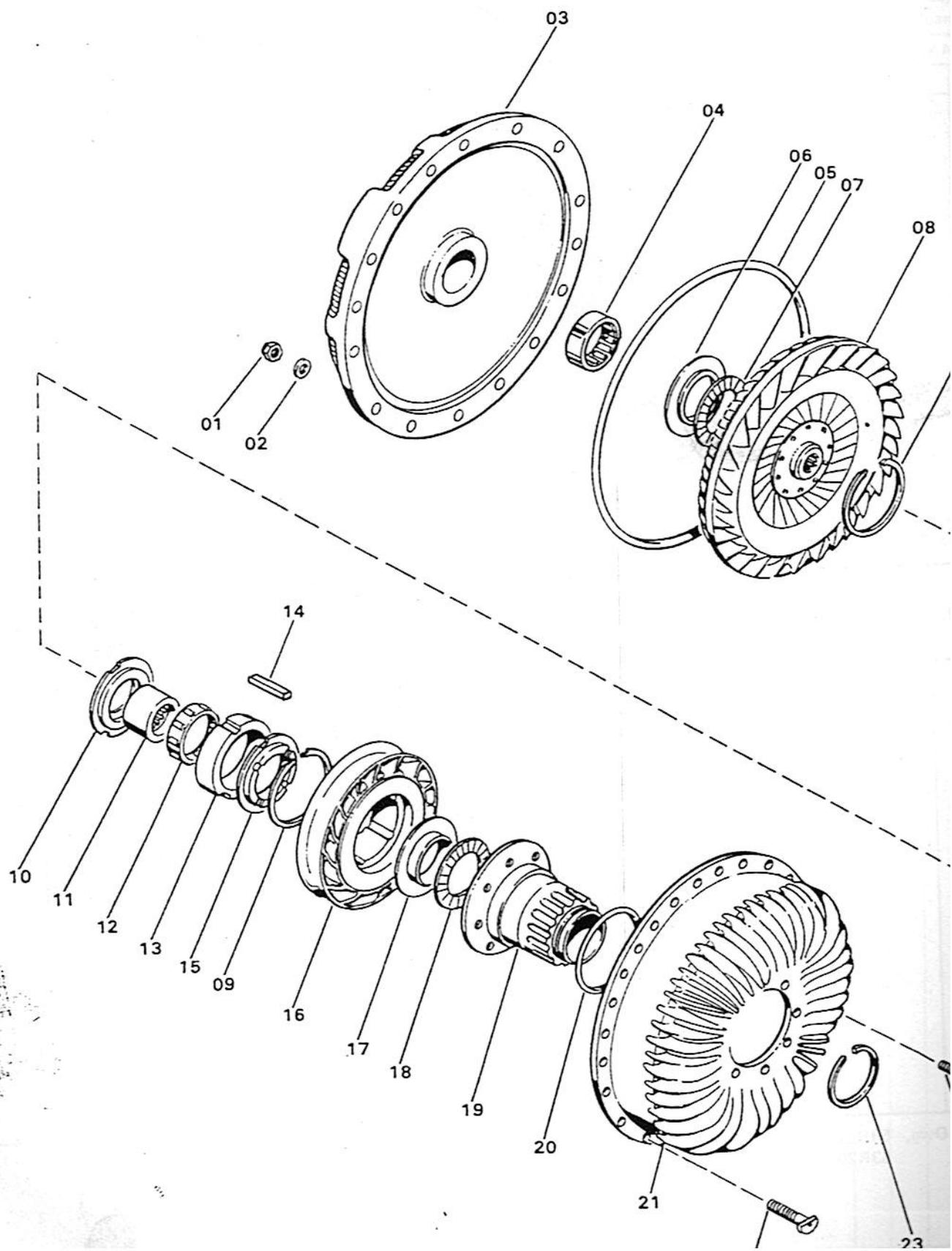
Ref. Dwg. 53R21  
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TRANSMISSION ASSEMBLY  
TORQUE CONVERTER GROUP

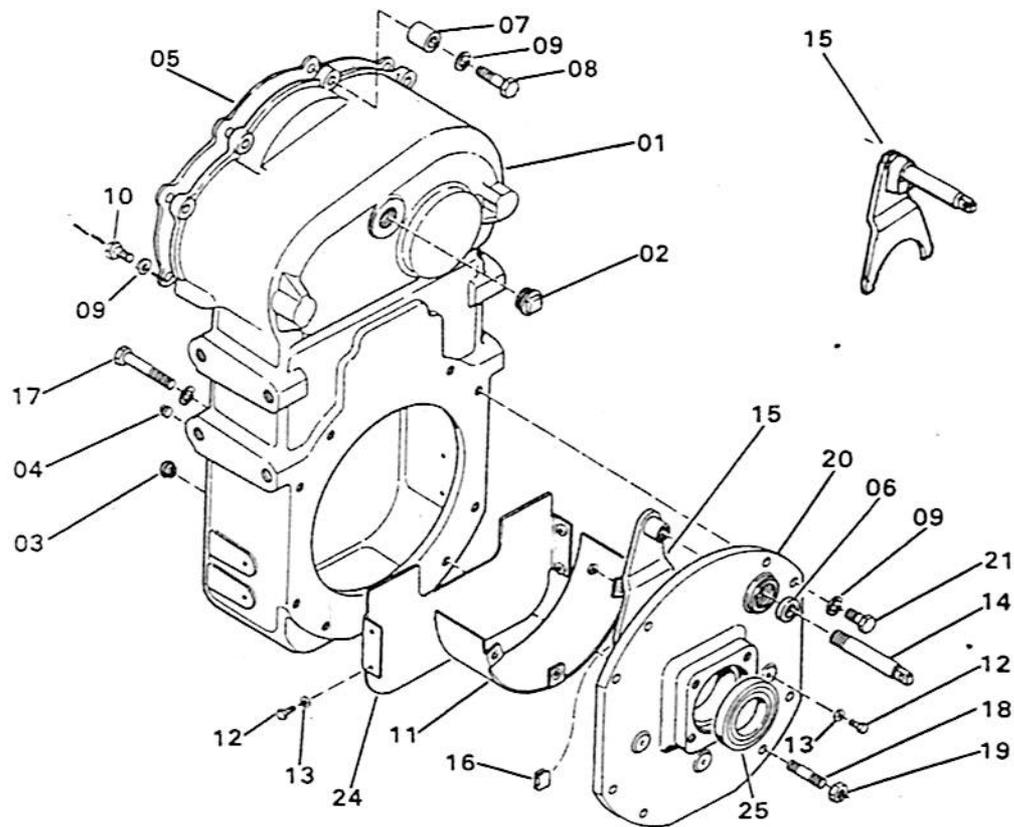


**TRANSMISSION ASSEMBLY  
TORQUE CONVERTER GROUP (Continued)**

Ref.	Part Number	Description	Quantity			
			Figure Number			
—	1053Z230	TORQUE CONVERTER GROUP	16			
01	1020Z4213	. NUT, Lock . . . . .	12			
02	1018Z3812	. WASHER . . . . .	1			
03	1014Z1611	. COVER, Front . . . . .	1			
04	1025Z1486	. BEARING . . . . .	1			
05	SEE NOTE	. O-RING . . . . .	1			
06	1018Z4525	. WASHER, Thrust . . . . .	1			
07	1025Z1570	. BEARING, Thrust . . . . .	1			
08	1045Z1593	. TURBINE ASSEMBLY . . . . .	2			
09	1018Z4212	. RING, Snap . . . . .	1			
10	1018Z4207	. RETAINER, Front . . . . .	1			
11	1025Z1567	. RACE, Clutch inner . . . . .	1			
12	1015Z961	. CLUTCH, Sprag . . . . .	1			
13	1025Z1568	. RACE, Clutch outer . . . . .	4			
14	1020Z4214	. KEY . . . . .	1			
15	1018Z4209	. RETAINER, Rear . . . . .	1			
16	1045Z1102	. STATOR, Free . . . . .	1			
17	1018Z4526	. WASHER, Thrust . . . . .	1			
18	1025Z1570	. BEARING, Thrust . . . . .	1			
19	1018Z4527	. HUB, Impeller . . . . .	1			
20	SEE NOTE	. O-RING . . . . .	1			
21	1037Z233	. IMPELLER . . . . .	16			
22	1020Z4554	. BOLT . . . . .	1			
23	SEE NOTE	. SEAL, Ring . . . . .	12			
24	1020Z5980	. BOLT, Place . . . . .	AR			
25	1020Z4466	. KIT, Gasket and seal . . . . .				

**NOTE**

When resealing torque converter, ref. 25, gasket and seal kit, must be ordered.



NOTE: YOUR MACHINE CAN BE EQUIPPED WITH EITHER A 53R21 OR 53R26 TRANSMISSION. TRANSMISSION S/N OF 466 AND LOWER INDICATES A 53R21, S/N OF 467 AND UP INDICATES A 53R26. PLEASE ORDER FROM CORRECT PARTS LIST.

Ref.	Part Number	Description	Quan	
			Figure N	
			21	26
—	101421617	MAIN CASE GROUP (For 53R21)	1	—
—	NPN	MAIN CASE GROUP (For 53R26)	—	1
01	101421575	. CASE, Main	1	—
01	101421789	. CASE, Main	—	1
02	102023119	. PLUG	2	2
03	102023121	. PLUG, Drain.	1	1
04	102023117	. PLUG	2	2
05	102023080	. GASKET, Main housing	1	1
06	101823275	. SEAL, Oil	1	1
07	10052400	. BUSHING, Locating.	2	2
08	102024555	. CAPSCREW	2	2
09		. WASHER, Lock 1/2 in.	9	9
10	102023106	. CAPSCREW	3	3
11	10272192	. TROUGH, Oil (For 53R21).	1	—
11	10272212	. TROUGH, Oil (For 53R26).	—	1

TRANSMISSION ASSEMBLY (Continued)  
MAIN CASE GROUP

Ref.	Part Number	Description	Quantity	
			Figure Num	
			21	26
13	1018Z3812	. WASHER, Dynaseal . . . . .	7	7
14	1010Z946	. SHAFT, Shifter (For 53R21) . . . . .	1	—
15	1006Z836	. FORK (For 53R21) . . . . .	1	—
15	1006Z855	. FORK & SHAFT ASSY. (For 53R26) . . . . .	—	1
16	1032Z215	. CLIP . . . . .	2	—
17	1020Z4556	. CAPSCREW . . . . .	1	1
18	1020Z5525	. STUD, 1/2-13 . . . . .	2	2
19		. NUT, 1/2-13 . . . . .	2	2
20	1014Z1576	. CAP, Output (For 53R21) . . . . .	1	—
20	1014Z1788	. CAP, Output (For 53R26) . . . . .	—	1
21		. CAPSCREW 1/2-13 X 1 . . . . .	6	6
22	1045Z1588	. O-RING (Not shown) . . . . .	1	1
23	1020Z5524	. PACK, Shim (Not shown) . . . . .	1	1
24	1027Z206	. BAFFLE ASSEMBLY . . . . .	1	1
25	1018Z5501	. SEAL, Shaft . . . . .	1	1
26	1019Z711	. PIN, Dowel, output cap alignment (Not shown) . . . . .	1	1

NOTE

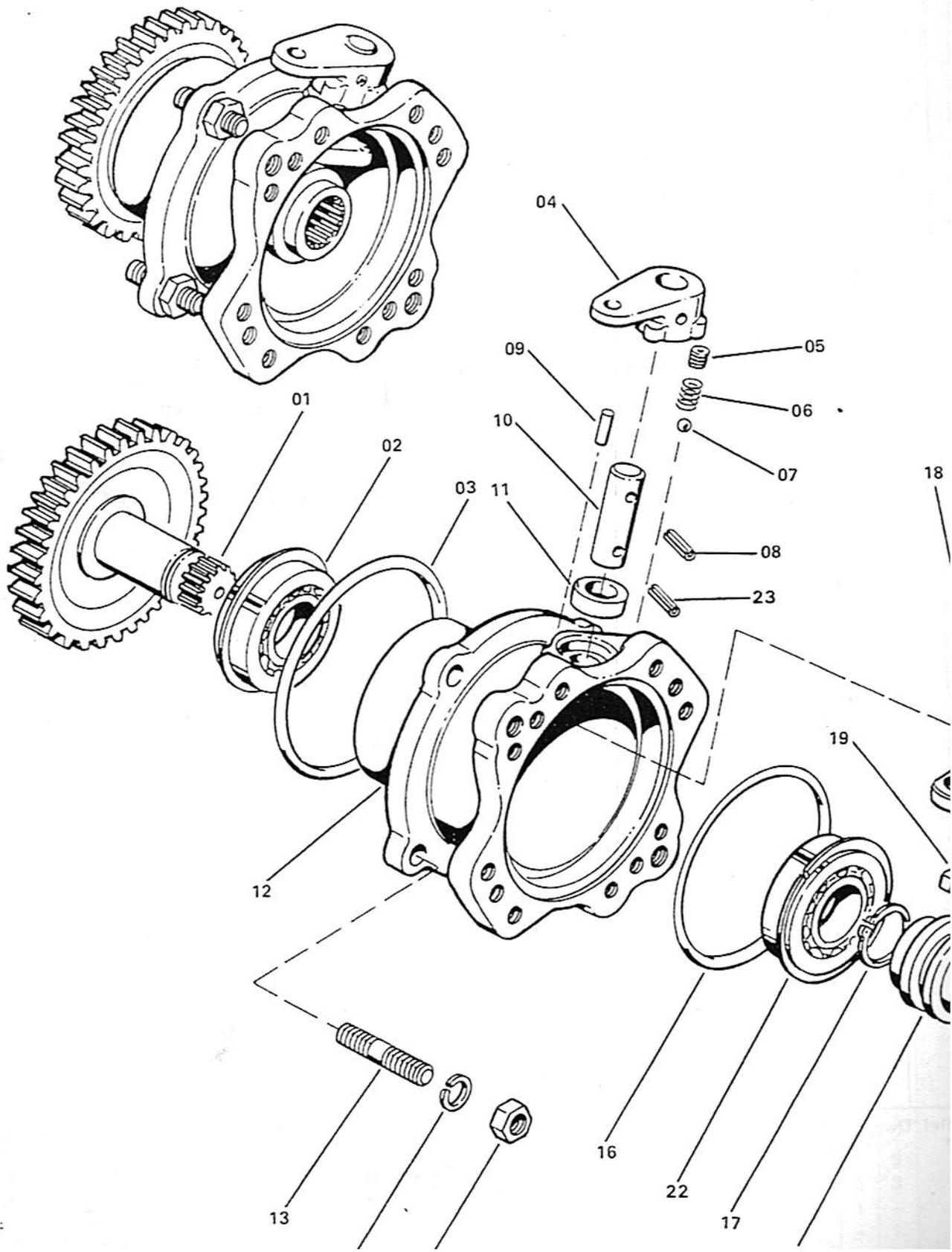
Your machine can be equipped with either a 53R21 or 53R26 transmission. Transmission s/n of 466 and lower indicates a 53R21, s/n of 467 and up indicates a 53R26. Please order from correct parts list.

Ref. Dwg. 53R21  
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TRANSMISSION ASSEMBLY  
PUMP DRIVE GROUP - R.H.



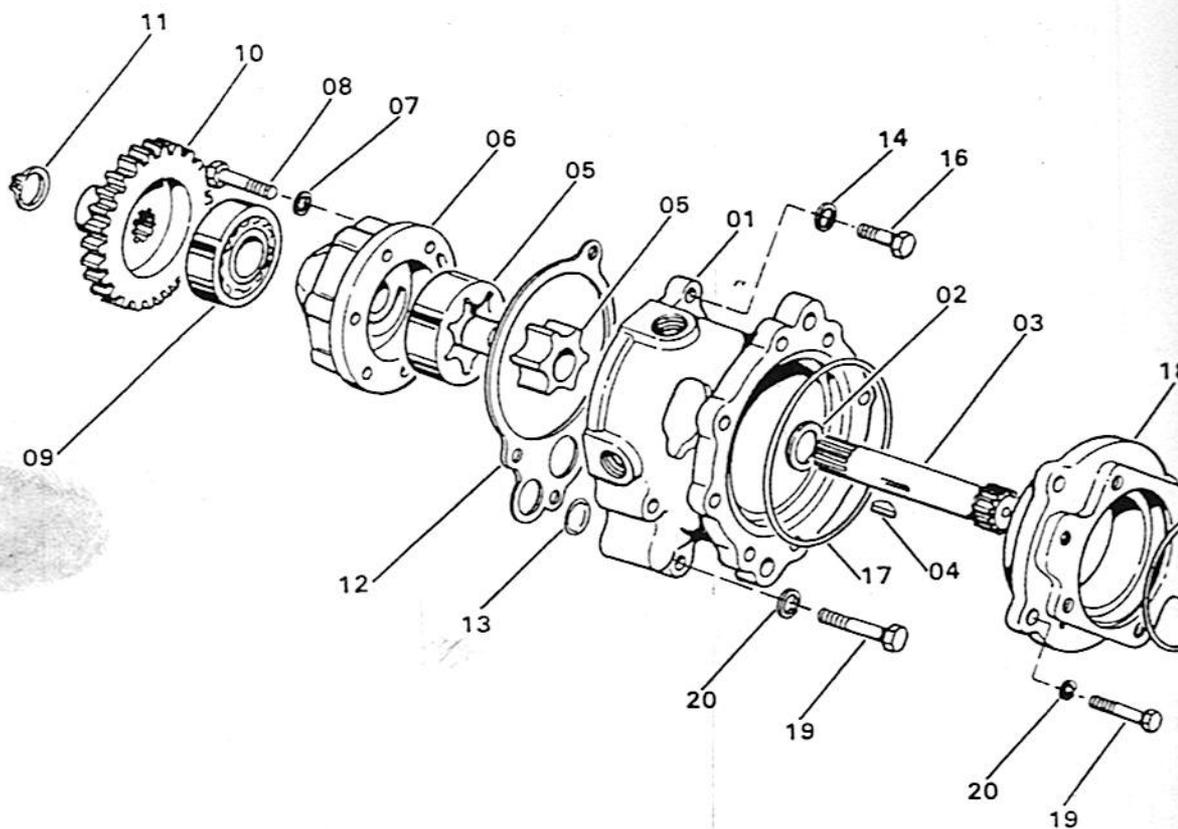
**TRANSMISSION ASSEMBLY  
PUMP DRIVE GROUP — R.H. (Continued)**

Ref.	Part Number	Description	Quantity			
			Figure Numbr			
—	1053Z224	PUMP DRIVE GROUP — R.H.	Y			
01	1001Z1231	. GEAR, Auxiliary pump disconnect . . . . .	1			
02	1025Z1300	. BEARING . . . . .	2			
03	SEE NOTE	. O-RING . . . . .	1			
04	1006Z386	. ARM, Disconnect shift . . . . .	1			
05	1075Z738	. PLUNGER . . . . .	1			
06		. . SPRING, Disconnect detent. . . . .	1			
07		. . BALL 5/16 in. . . . .	1			
08	1019Z711	. PIN, Roll . . . . .	1			
09	1019Z710	. PIN, Roll . . . . .	1			
10	1010Z659	. SHAFT, Disconnect . . . . .	1			
11	SEE NOTE	. SEAL, Oil . . . . .	1			
12	1014Z1596	. HOUSING, Auxiliary pump disconnect . . . . .	1			
13	1020Z5905	. STUD . . . . .	4			
14	1018Z5534	. WASHER, Lock . . . . .	AR			
15	1020Z3114	. NUT . . . . .	4			
16	SEE NOTE	. O-RING . . . . .	1			
17	1018Z5533	. RING, Retainer . . . . .	1			
18	1008Z18	. BLOCK, Shift detent . . . . .	1			
19	1006Z385	. FORK, Disconnect . . . . .	1			
20	1018Z3239	. SLEEVE, Disconnect . . . . .	1			
21	1020Z4472	. KIT, Gasket and seal . . . . .	AR			
22	1025Z2164	. BEARING . . . . .	1			
23	1019Z870	. PIN, Roll . . . . .	1			

**NOTE**

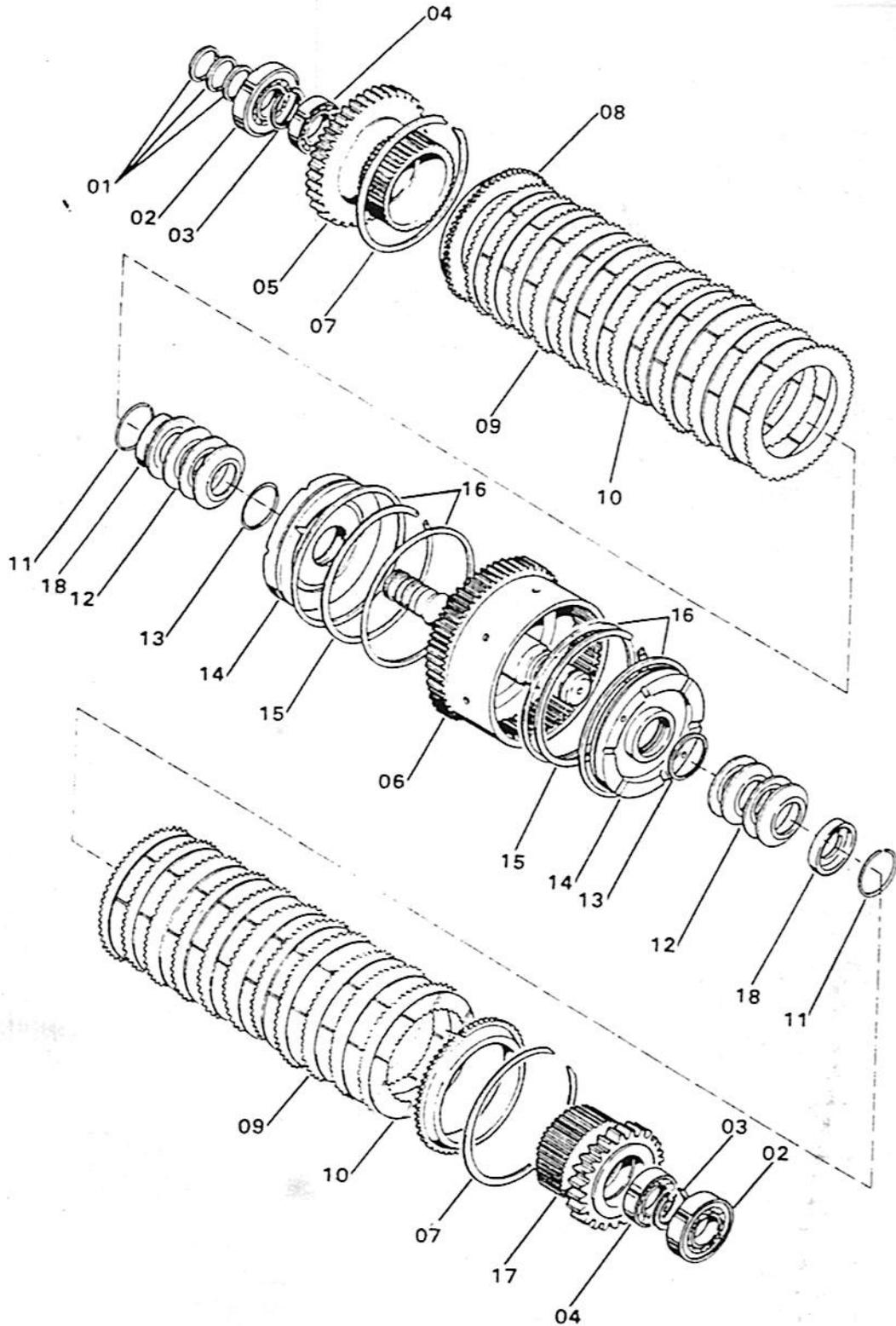
When resealing pump drive, ref. 21, gasket and seal kit, must be ordered.

TRANSMISSION ASSEMBLY  
PUMP DRIVE GROUP, L. H.



Ref.	Part Number	Description	Quant	
			Figure No	
-	1053Z222	PUMP DRIVE GROUP, L.H.	1	
01	1014Z1581	. HOUSING ASSEMBLY . . . . .	1	
02	1018Z4302	. WASHER, Thrust . . . . .	1	
03	1010Z1157	. SHAFT ASSEMBLY . . . . .	1	
04	1020Z3124	. KEY, Woodruff. . . . .	1	
05	1037Z243	. GEROTOR . . . . .	1	
06	1018Z5516	. RETAINER, Assembly . . . . .	1	
07	1018Z3257	. WASHER, Star 5/16 in. . . . .	6	
08	1020Z3096	. CAPSCREW, 5/16-18 x 2 in. . . . .	6	
09	1025Z1296	. BEARING . . . . .	1	
10	1001Z718	. GEAR . . . . .	1	
11	1018Z3271	. RING, Retaining . . . . .	1	
12	1020Z3076	. GASKET . . . . .	1	
13	1045Z875	. O-RING . . . . .	1	
14	1018Z3258	. WASHER, Star 3/8 in. . . . .	4	
15	1020Z3101	. CAPSCREW, 3/8-16 x 2-1/2 in. . . . .	3	
16	1020Z3100	. CAPSCREW, 3/8-16 x 1-1/4 in. . . . .	1	
17	1045Z881	. O-RING . . . . .	1	
18	1018Z4521	. PLATE, Adapter . . . . .	1	
19	1020Z3106	. CAPSCREW, 1/2-13 x 1-1/2 in. . . . .	4	
20	1018Z3263	. WASHER, Lock . . . . .	4	
21	1045Z1241	. O-RING . . . . .	1	

TRANSMISSION ASSEMBLY  
FIRST STAGE CLUTCH GROUP



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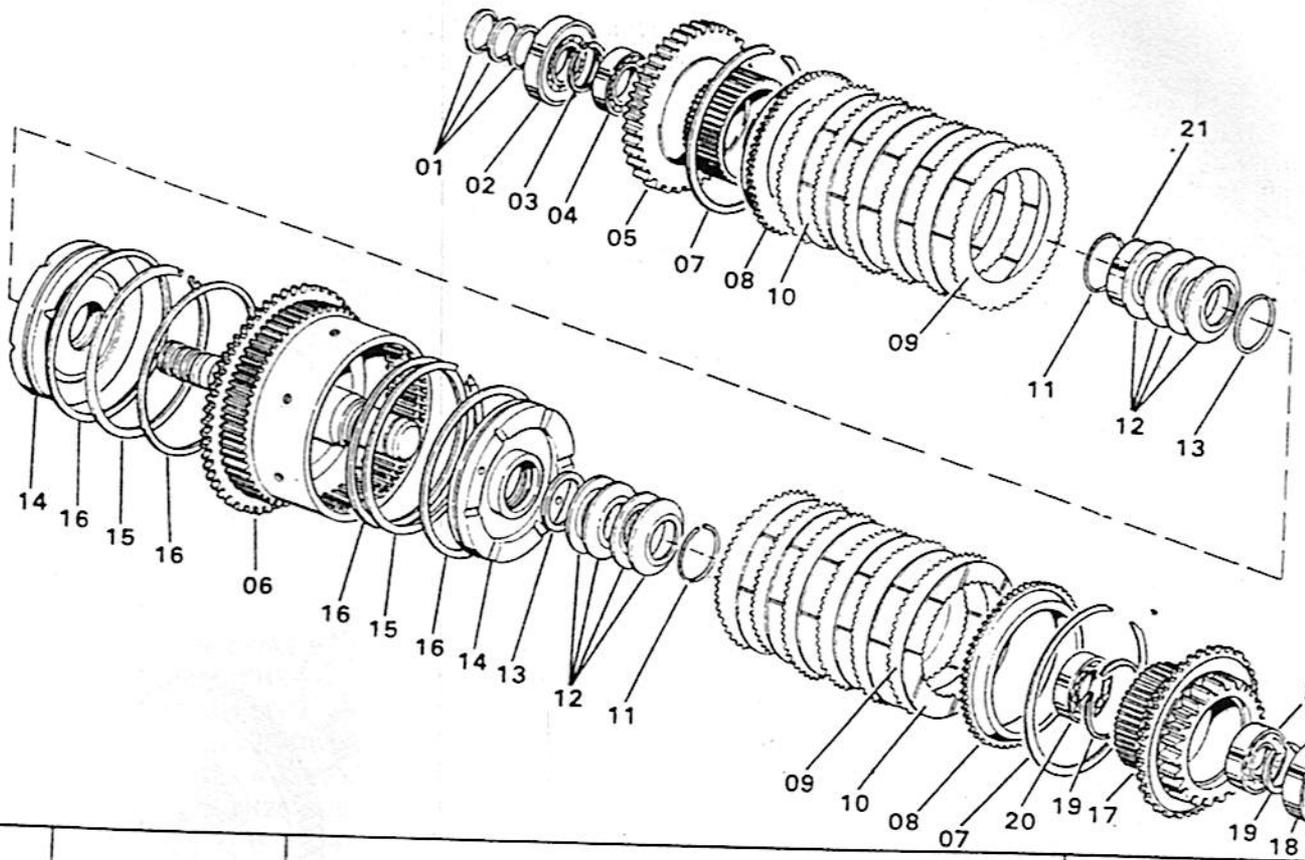
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**TRANSMISSION ASSEMBLY  
FIRST STAGE CLUTCH GROUP (Continued)**

Ref.	Part Number	Description	Quantity			
			Figure Num			
-	1015Z1177	FIRST STAGE CLUTCH GROUP	Y			
01	1018Z3246	. RING, Seal . . . . .	3			
02	1025Z1299	. BEARING . . . . .	2			
03	1018Z3279	. RING, Retainer . . . . .	2			
04	1025Z1928	. BEARING . . . . .	2			
05	1001Z1221	. FORWARD AND REVERSE WELD GEAR ASSEMBLY . . . . .	1			
06	1010Z1149	. SHAFT ASSEMBLY - FIRST STAGE . . . . .	1			
07	1018Z3248	. RING, Snap . . . . .	2			
08	1018Z5492	. RETAINER, Clutch plate . . . . .	2			
09	1015Z1006	. PLATE, Clutch . . . . .	6			
10	1018Z4530	. PLATE, Separator . . . . .	6			
11	1018Z5493	. RING, Retaining . . . . .	2			
12	1017Z1057	. SPRING, Bellville . . . . .	8			
13	1045Z1587	. O-RING . . . . .	2			
14	1039Z465	. PISTON, Clutch . . . . .	2			
15	1018Z5494	. RING, Seal . . . . .	2			
16	1018Z5495	. RING, Back-up . . . . .	4			
17	1001Z1222	. GEAR ASSEMBLY - NO RANGE . . . . .	1			
18	1018Z5996	. RETAINER, Ring . . . . .	2			

# TRANSMISSION ASSEMBLY SECOND STAGE CLUTCH GROUP

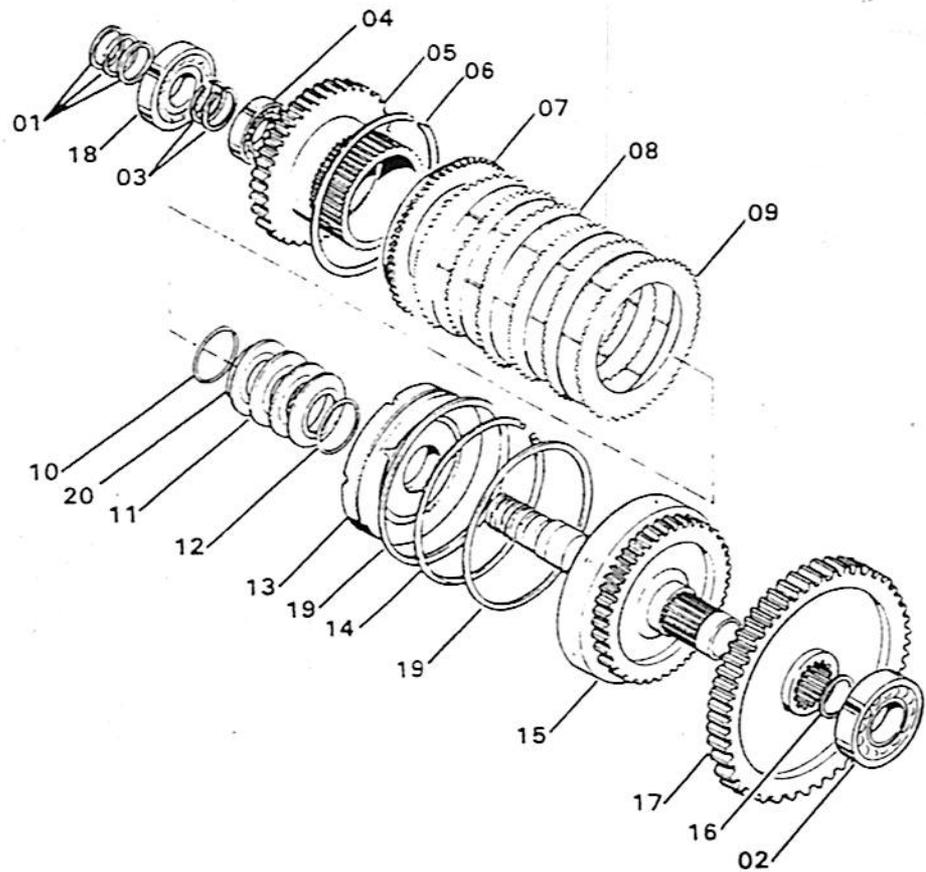


Ref.	Part Number	Description	Quantity			
			Figure Number			
-	1015Z1175	SECOND STAGE CLUTCH GROUP				
01	1018Z3246	. RING, Seal.	1			
02	1025Z1299	. BEARING	3			
03	1018Z3279	. RING, Retainer.	2			
04	1025Z1928	. BEARING	2			
05	1001Z1221	. FORWARD AND REVERSE WELD GEAR ASSEMBLY	1			
06	1010Z1150	. SHAFT ASSEMBLY - SECOND STAGE.	1			
07	1018Z3248	. RING, Snap	1			
08	1018Z5492	. RETAINER, Clutch plate	2			
09	1015Z1006	. PLATE, Clutch	2			
10	1018Z4530	. PLATE, Separator	6			
-	1017Z1174	. KIT, Spring	6			
11		. RING, Retaining	1			
12		. SPRING, Bellville.	2			
13	1045Z1587	. O-RING	8			
14	1039Z465	. PISTON, Clutch	2			
15	1018Z5494	. RING, Seal.	2			
16	1018Z5495	. RING, Back-up	2			
17	1001Z1232	. GEAR ASSEMBLY	4			
18	1025Z1302	. BEARING	1			
19	1018Z3280	. RING, Retaining	2			
20	1025Z1935	. BEARING	2			
21	1018Z5996	. RETAINER, Ring	2			

Ref. Dwg. 53R11  
53R26

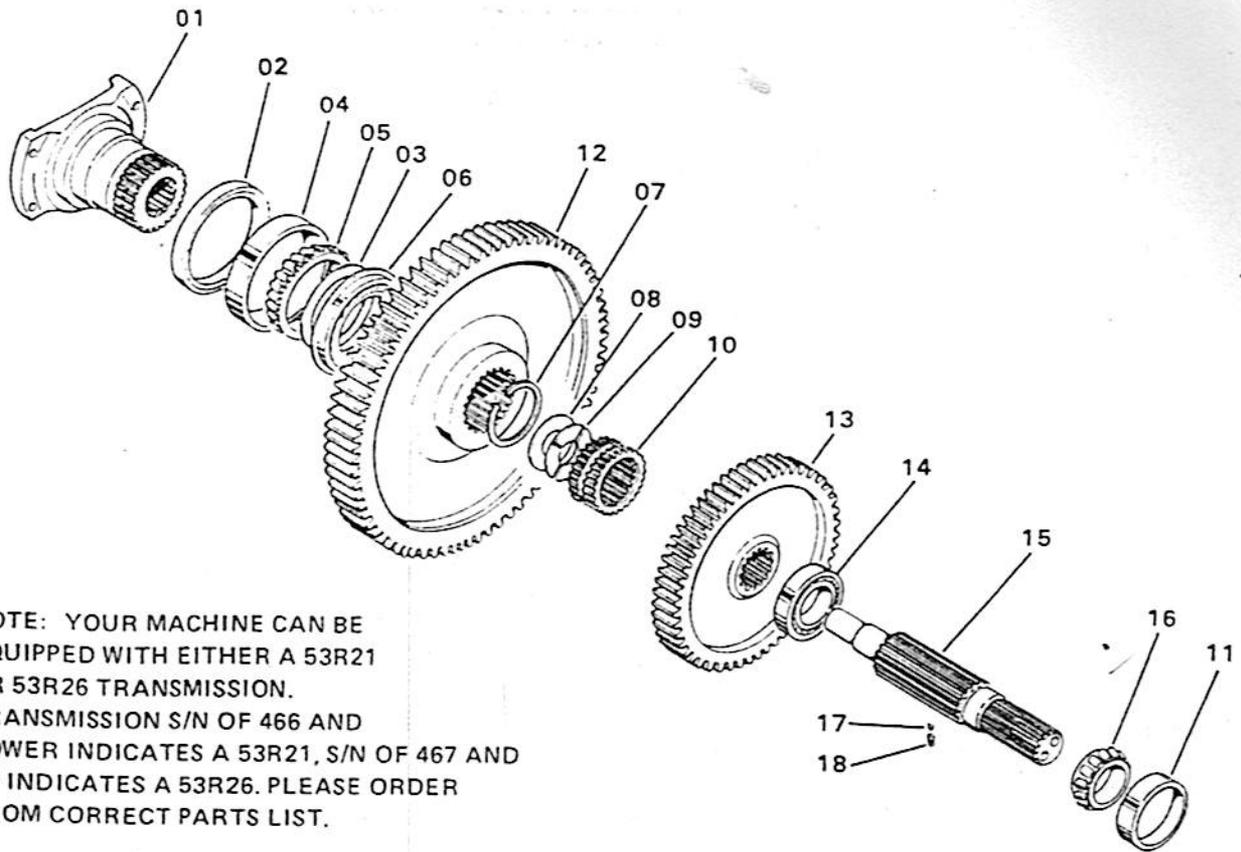
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### TRANSMISSION ASSEMBLY THIRD STAGE CLUTCH GROUP



Ref.	Part Number	Description	Quantity	
			Figure	Qu.
-	1015Z1170	THIRD STAGE CLUTCH GROUP	1	
01	1018Z3246	. RING, Seal. . . . .	3	
02	1025Z1299	. BEARING . . . . .	1	
03	1018Z3279	. RING, Retainer. . . . .	2	
04	1025Z1928	. BEARING . . . . .	1	
05	1001Z1233	. GEAR. . . . .	1	
06	1018Z3248	. RING, Snap . . . . .	1	
07	1018Z5492	. RETAINER, Clutch plate . . . . .	1	
08	1015Z1006	. PLATE, Clutch . . . . .	6	
09	1018Z4530	. PLATE, Separator . . . . .	6	
-	1017Z1174	. KIT, Spring . . . . .	1	
10		. . RING, Retaining . . . . .	1	
11		. . SPRING, Belleville . . . . .	4	
12	1045Z1537	. O-RING. . . . .	1	
13	1029Z465	. PISTON, Clutch . . . . .	1	
14	1018Z5494	. RING, Seal. . . . .	1	
15	1010Z1229	. SHAFT ASSEMBLY - THIRD STAGE . . . . .	1	
16	1018Z3280	. RING, Retaining . . . . .	1	
17	1001Z1223	. GEAR, Third stage - hi range . . . . .	1	
18	1025Z1299	. BEARING . . . . .	1	
19	1018Z5495	. RING, Backup . . . . .	2	
20	1018Z5996	. RETAINER, Ring . . . . .	1	

## TRANSMISSION ASSEMBLY OUTPUT SHAFT GROUP



NOTE: YOUR MACHINE CAN BE EQUIPPED WITH EITHER A 53R21 OR 53R26 TRANSMISSION. TRANSMISSION S/N OF 466 AND LOWER INDICATES A 53R21, S/N OF 467 AND UP INDICATES A 53R26. PLEASE ORDER FROM CORRECT PARTS LIST.

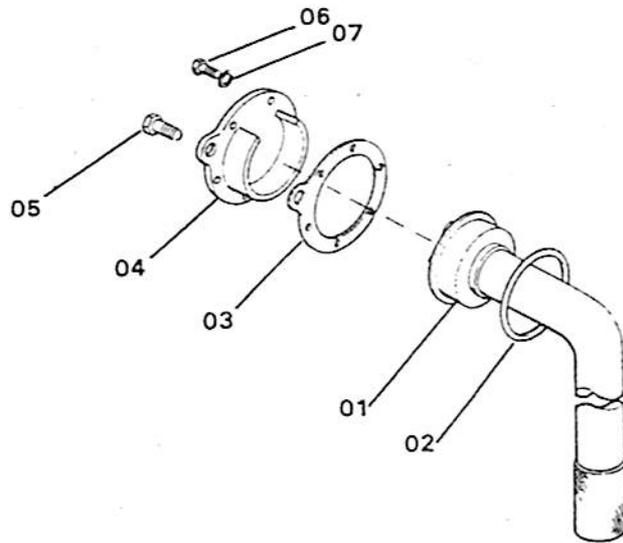
Ref.	Part Number	Description	Quantity	
			Figure Number	
			21	26
-	1010Z1166	OUTPUT SHAFT GROUP (For 53R21)		
-	NPN	OUTPUT SHAFT GROUP (For 53R26)		
01	1010Z1154	. SHAFT, Output assembly	1	1
02	1018Z5501	. SEAL, Oil	1	1
03	1018Z5505	. WASHER, Thrust	1	1
04	1025Z1933	. CUP, Bearing	1	1
05	1025Z1934	. CONE, Bearing	1	1
06	1025Z1364	. BEARING	1	1
07	1018Z5500	. RING, Retaining	1	1
08	1018Z5499	. WASHER, Thrust	1	1
09	1025Z1932	. BEARING, Thrust	1	1
10	1018Z5496	. COLLAR, Shift (For 53R21)	1	-
10	1018Z5928	. COLLAR, Shift (For 52R26)	-	1
11	1025Z1930	. CONE, Bearing	1	1
12	1001Z1224	. GEAR, Output - lo range	1	1
13	1001Z1225	. GEAR, Output - hi range	1	1
14	1025Z1931	. BEARING	1	1
15	1010Z1155	. SHAFT, Output (For 53R21)	1	-
15	1010Z1272	. SHAFT, Output (For 53R26)	-	1
16	1025Z1929	. CUP, Bearing	1	1
17	1025Z2110	. BALL, Detent (53R26 Only)	-	3
18	1017Z1134	. SPRING, Detent (53R26 Only)	-	3

Ref. Dwg. 53R21  
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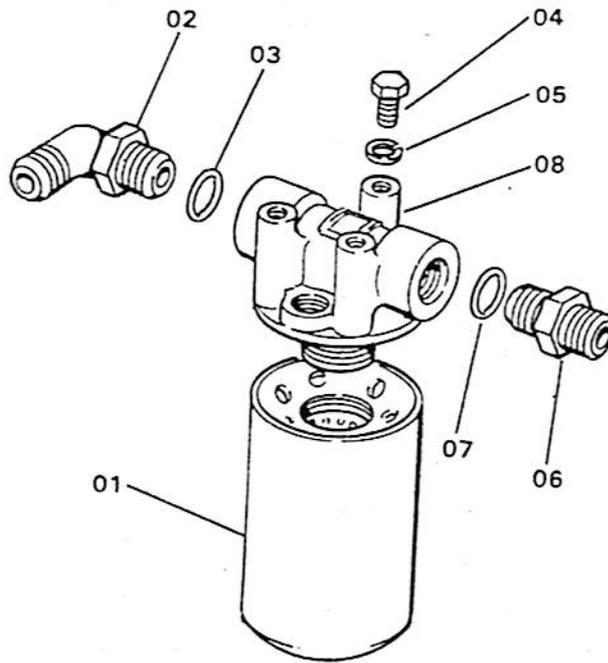
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TRANSMISSION ASSEMBLY  
OIL STRAINER GROUP



Ref.	Part Number	Description	Quantity			
			Figure Number			
-		OIL STRAINER GROUP	Y			
01	1046Z324	. STRAINER, Oil . . . . .	1			
02	1045Z885	. O-RING . . . . .	1			
03	1020Z3082	. GASKET . . . . .	1			
04	1014Z1734	. COVER, Oil strainer. . . . .	1			
05	1020Z3107	. CAPSCREW, 1/2-13 x 2-1/4 in. . . . .	1			
06	1020Z4553	. CAPSCREW, 5/16-18 x 7/8 in. . . . .	6			
07	1018Z3260	. WASHER, Lock 5/16 in. . . . .	6			

# TRANSMISSION ASSEMBLY FILTER GROUP

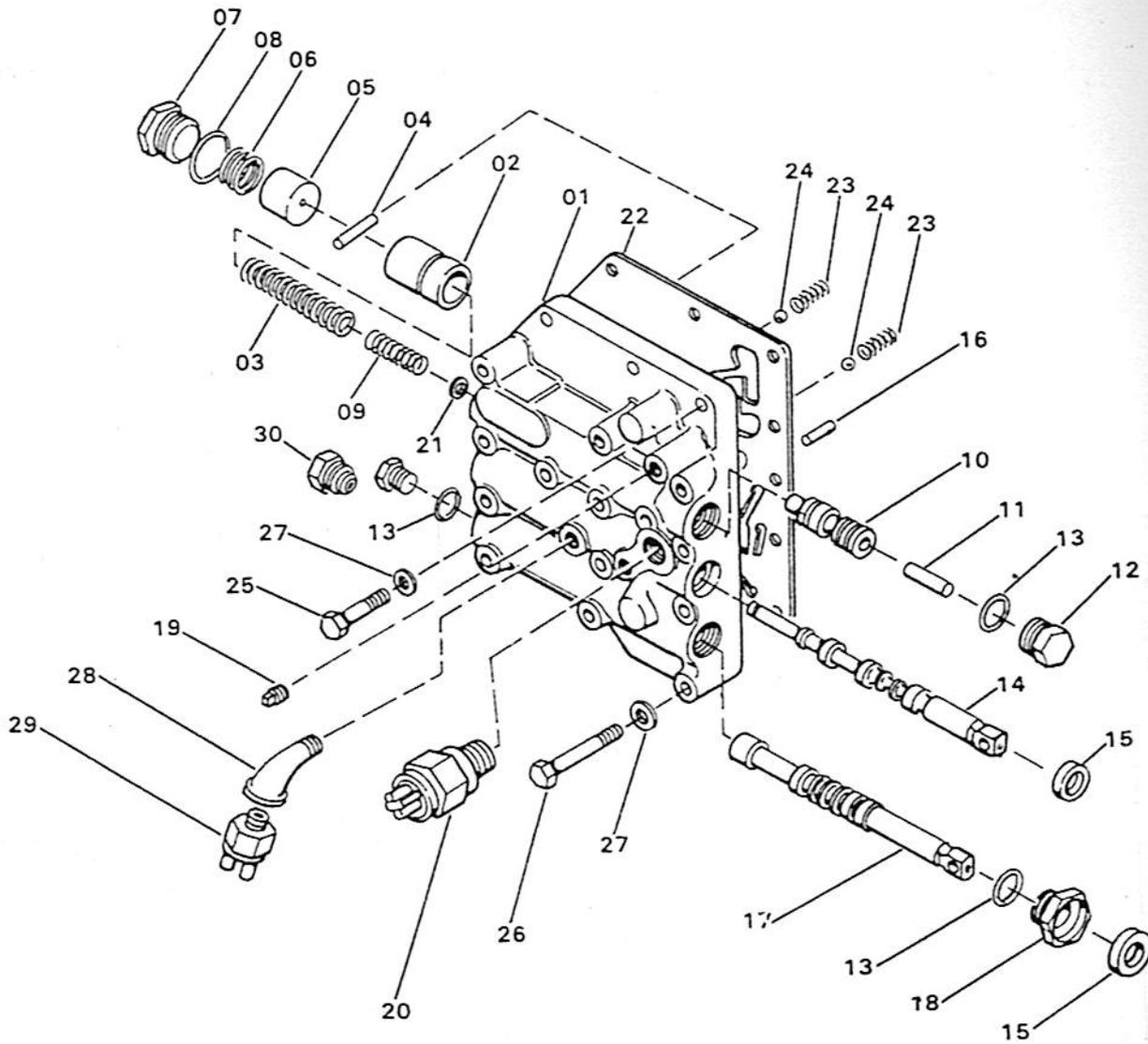


Ref.	Part Number	Description	Quantity			
			Figure Number			
-	46Q40	FILTER ASSEMBLY				
01	1046Z290	ELEMENT	1			
02	44Z421D8	ELBOW, 90°	1			
03		O-RING	1			
04	20Z646D508	CAPSCREW, 5/16 x 5/8 in. LG. GR.-5	3			
05		WASHER, Lock 5/16 in.	3			
06	44Z485D14	CONNECTOR	1			
07		O-RING	1			
08	1016Z415	BASE, Filter	1			

Ref. Dwg. 53R21  
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# TRANSMISSION ASSEMBLY VALVE CONTROL GROUP



Ref.	Part Number	Description	Quant	
			Figure	No
-	10362940	VALVE CONTROL GROUP	1	Y
01	10362846	. BODY, Valve assembly . . . . .	1	
02	10362549	. MODULATOR, Valve . . . . .	1	
03	10172769	. SPRING, Acculator . . . . .	1	
04	101921056	. PIN . . . . .	1	
05	10362485	. VALVE, Dump . . . . .	1	
06	10172763	. SPRING, Dump valve . . . . .	1	
07	102023077	. PLUG . . . . .	1	
08	452479D1	. O-RING . . . . .	1	
09	10172899	. SPRING, Main regulator . . . . .	1	
10	10362548	. VALVE, Main regulator . . . . .	1	

**TRANSMISSION ASSEMBLY  
VALVE CONTROL GROUP (Continued)**

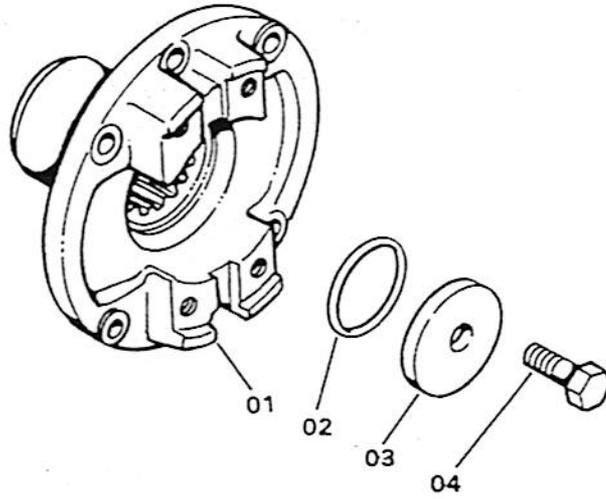
Ref.	Part Number	Description	Quantit			
			Figure Nun			
11	1019Z858	. PIN, Dowel. ....	1			
12	1020Z3083	. PLUG . . . . .	1			
13	1045Z934	. O-RING. ....	1			
14	1036Z847	. STEM, Fwd. reverse control. ....	3			
15	1018Z5532	. SEAL, Oil . . . . .	1			
16	1019Z1055	. PIN, Roll . . . . .	2			
17	1036Z848	. STEM ASSEMBLY . . . . .	1			
18	1020Z3078	. PLUG . . . . .	1			
19	1020Z3116	. PLUG, Pipe . . . . .	1			
20	1079Z1396	. SWITCH, Neutral safety . . . . .	2			
21	1020Z3421	. SPACER . . . . .	1			
22	1020Z5546	. GASKET, Valve body. ....	AR			
23	1017Z764	. SPRING, Detent . . . . .	1			
24	1025Z1306	. BALL . . . . .	2			
25	1020Z3095	. CAPSCREW, Hex. hd. 5/16-18 x 1-1/8 in. ....	2			
26	1020Z3097	. CAPSCREW, Hex. hd. 5/16-18 x 2-1/4 in. ....	3			
27	1018Z3264	. WASHER, 5/16 in. ....	12			
28		. ELBOW, Street 45° . . . . .	15			
29	1079Z1555	. SWITCH, REVERSE WARNING . . . . .	1			
-	1032Z275	. TAG, Warning (not shown) . . . . .	1			
30	1020Z5814	. PLUG . . . . .	1			

Ref. Dwg. 53R21  
53R26

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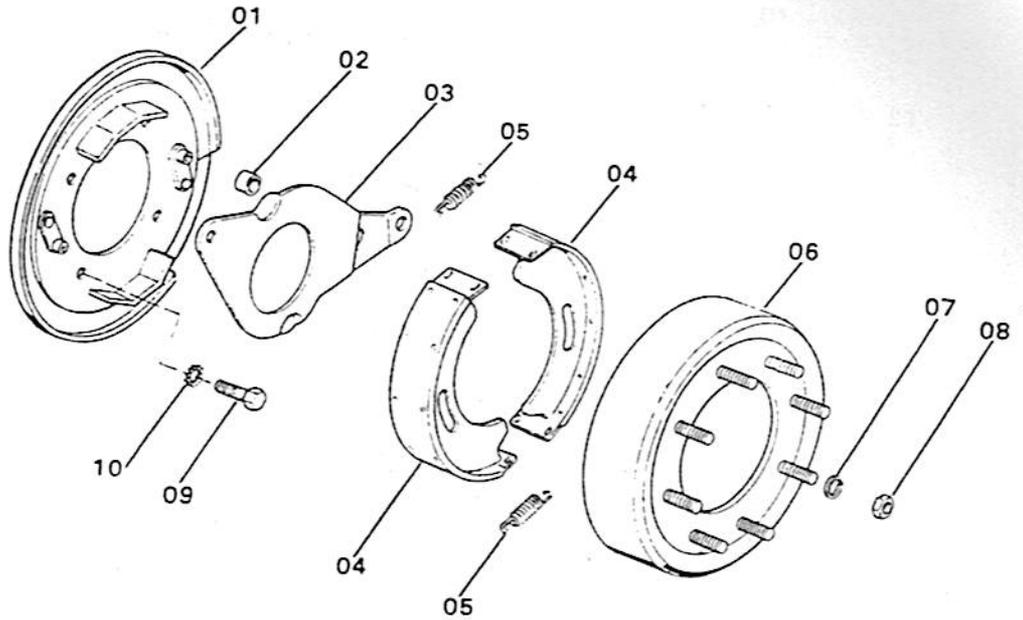
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TRANSMISSION ASSEMBLY  
YOKE FLANGE GROUP



Ref.	Part Number	Description	Quantity	
			Figure Num	
-	1006Z750	YOKE FLANGE GROUP	1	
01	1006Z387	. YOKE, Flange. . . . .	1	
02	1045Z883	. O-RING. . . . .	1	
03	1018Z5775	. WASHER. . . . .	1	
04	1020Z5813	. BOLT, Place. . . . .	1	

# TRANSMISSION ASSEMBLY BRAKE GROUP

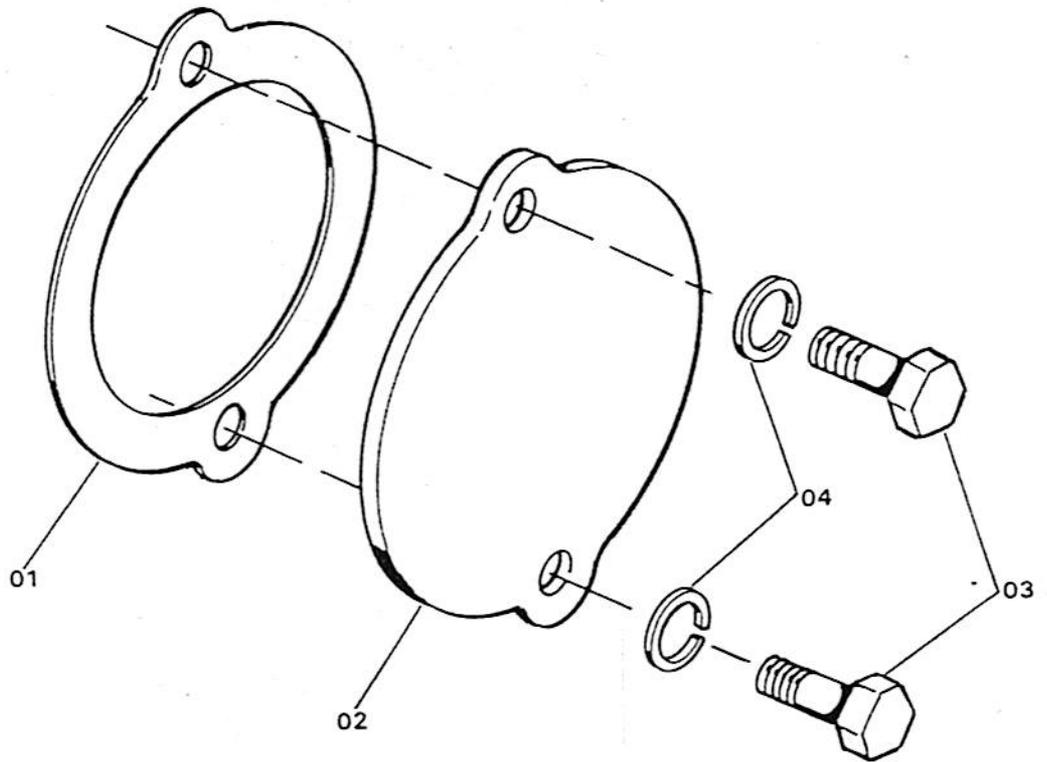


Ref.	Part Number	Description	Quantity			
			Figure Number			
-	1015Z1169	BRAKE GROUP				
01	1015Z1197	. PLATE, Backing	1			
02	1018Z5530	. SPACER	1			
03	1006Z742	. CRANK, Bell	1			
04	1015Z1198	. SHOE, Brake	1			
05	1017Z1059	. SPRING, Return	2			
06	1015Z1195	. BRAKE DRUM ASSEMBLY	2			
07	1018Z3261	. WASHER, Lock 3/8 in.	1			
08		. NUT, Hex. 3/8-24UNC.	6			
09	1020Z4897	. CAPSCREW, Hex. hd. 1/2-13 x 7/8 in.	6			
10	1020Z3115	. WASHER, Star	4			
			4			

Ref. Dwg. 53R21  
53R26

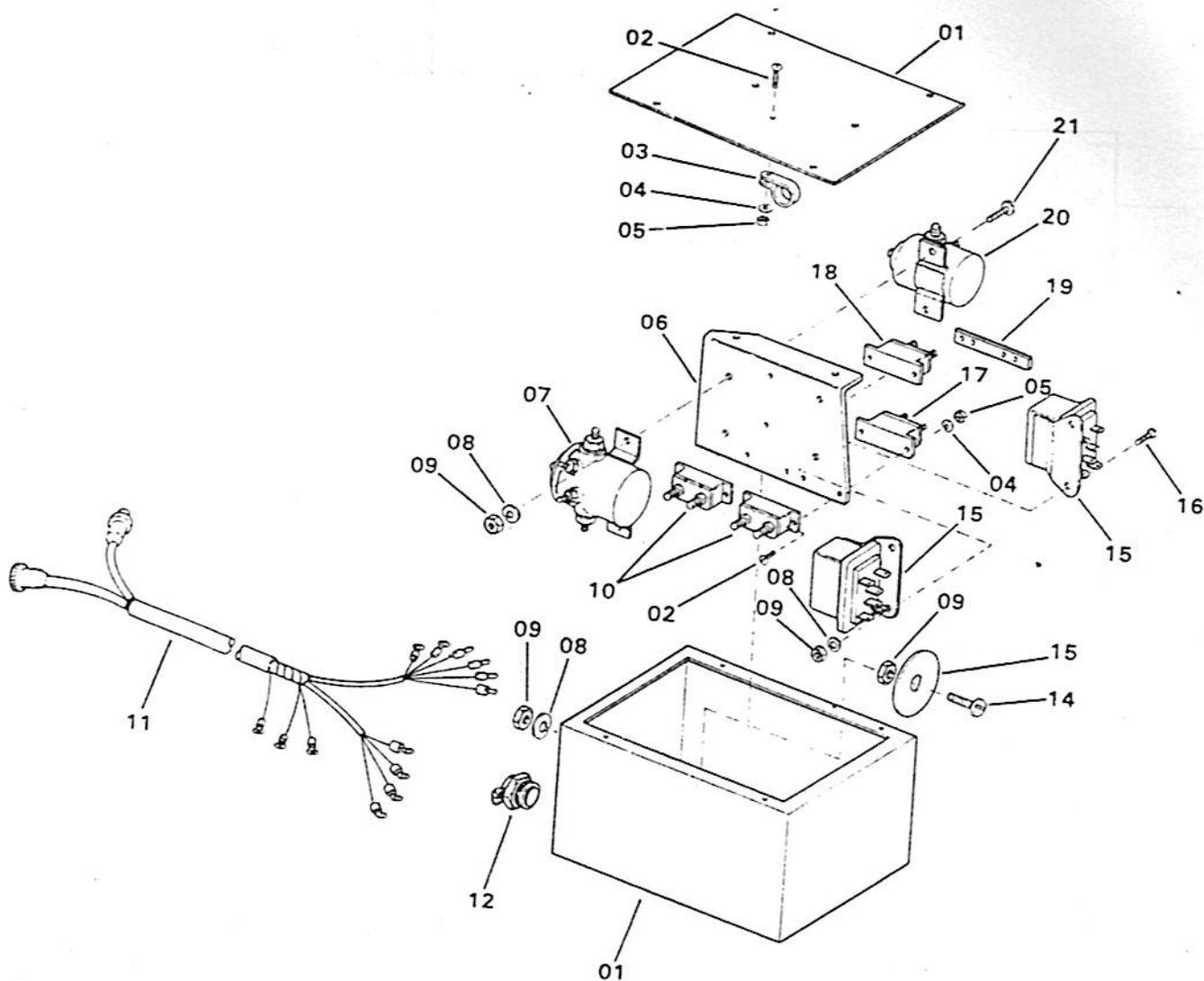
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TRANSMISSION ASSEMBLY  
COVER PLATE GROUP



Ref.	Part Number	Description	Quantity	
			Figure Num	
-	1018Z5502	COVER PLATE GROUP	1	
01	1020Z5545	. GASKET, Pump mount	1	
02	1014Z1592	. PLATE, Cover.	2	
03	1020Z3099	. SCREW, Cap 3/8-16UNC x 3/4 in.	2	
04	1018Z3261	. WASHER, Lock 3/8 in.		

# ELECTRICAL CONTROL BOX ASSEMBLY



Ref.	Part Number	Description	Quantity			
			Figure Number			
-	979J90-1	ELECTRICAL CONTROL BOX ASSEMBLY	1			
01	87Q33	. ENCLOSURE . . . . .	1			
02		. SCREW, Rd. hd. mach. #8-32UNC x 1/2 in. . . . .	1			
03	32Z1876D8	. CLAMP, Harness . . . . .	5			
04		. WASHER, Lock #8 . . . . .	1			
05		. NUT, Hex #8-32UNC . . . . .	5			
06	16P5425	. BRACKET, Mounting . . . . .	5			
07	79Z1745D1	. SWITCH, Magnetic . . . . .	1			
08		. WASHER, Lock 1/4 in. . . . .	1			
09		. NUT, Hex 1/4-20UNC . . . . .	11			
10	79Z1294D5	. BREAKER, 20 amp circuit . . . . .	12			
11	79U1898	. HARNESS, Wiring . . . . .	2			
12	79Z2092D2	. CONNECTOR, Harness . . . . .	1			
13	18T14578	. WASHER . . . . .	1			
14		. SCREW, Rd. hd. mach. 1/4-20UNC x 3/4 in. . . . .	1			

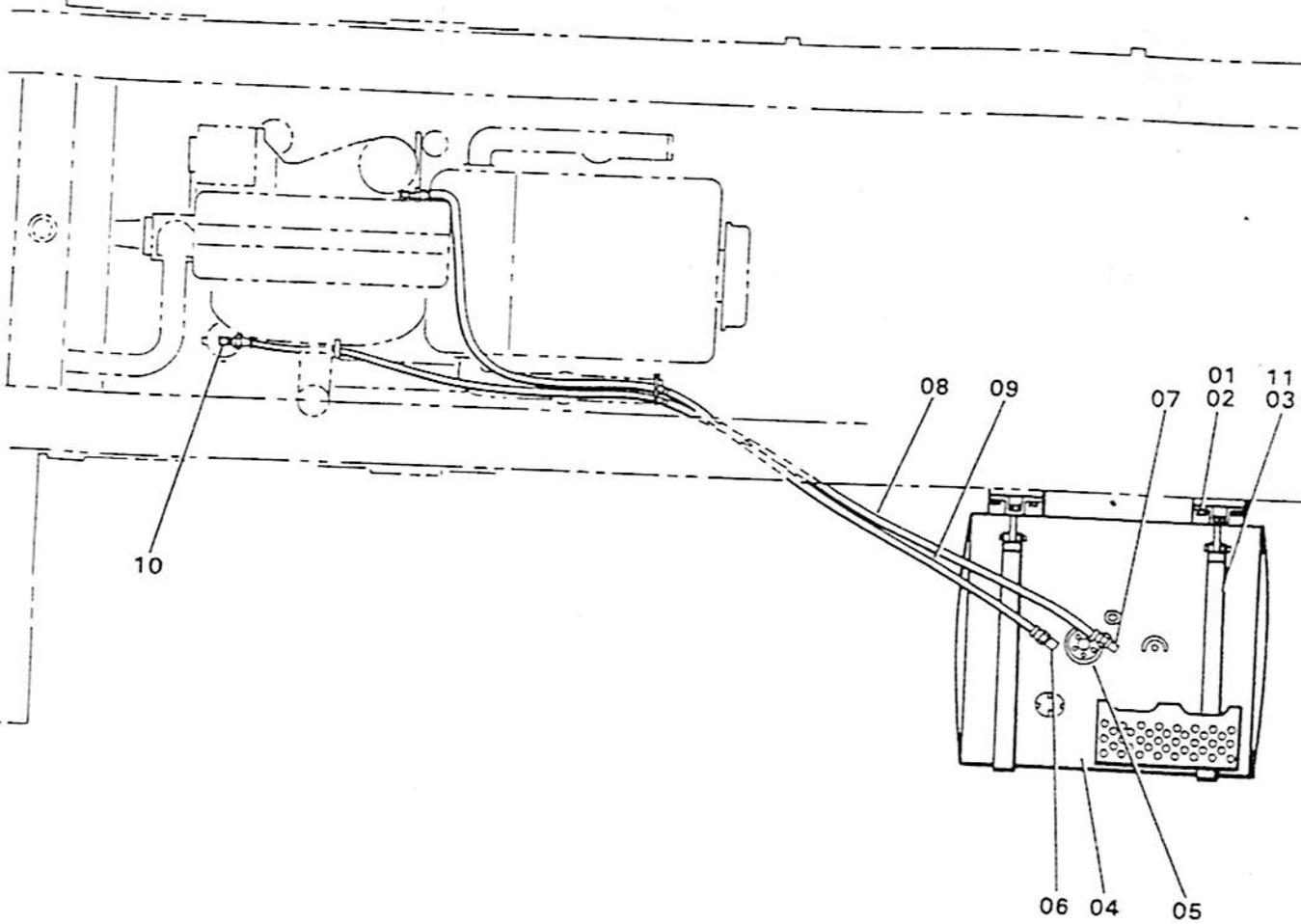
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## ELECTRICAL CONTROL BOX ASSEMBLY (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	2	3	4
15	79P448	. RELAY . . . . .	1			
16		. SCREW, Rd. hd. mach. 1/4-20UNC x 1/2 in. . . . .	2			
17	79Z1294D4	. BREAKER, 15 amp. circuit. . . . .	6			
18	79Z1294D7	. BREAKER, 30 amp. circuit. . . . .	1			
19	79T353D5	. BUSS, Bar . . . . .	1			
20	79Z2506	. SWITCH, Magnetic. . . . .	1			
21		. SCREW, Rd. hd. mach. 1/4-20UNC x 1 in. . . . .	4			
NOTE						
All individual wires, leads and jumpers should be fabricated locally.						

# ENGINE FUEL ASSEMBLY

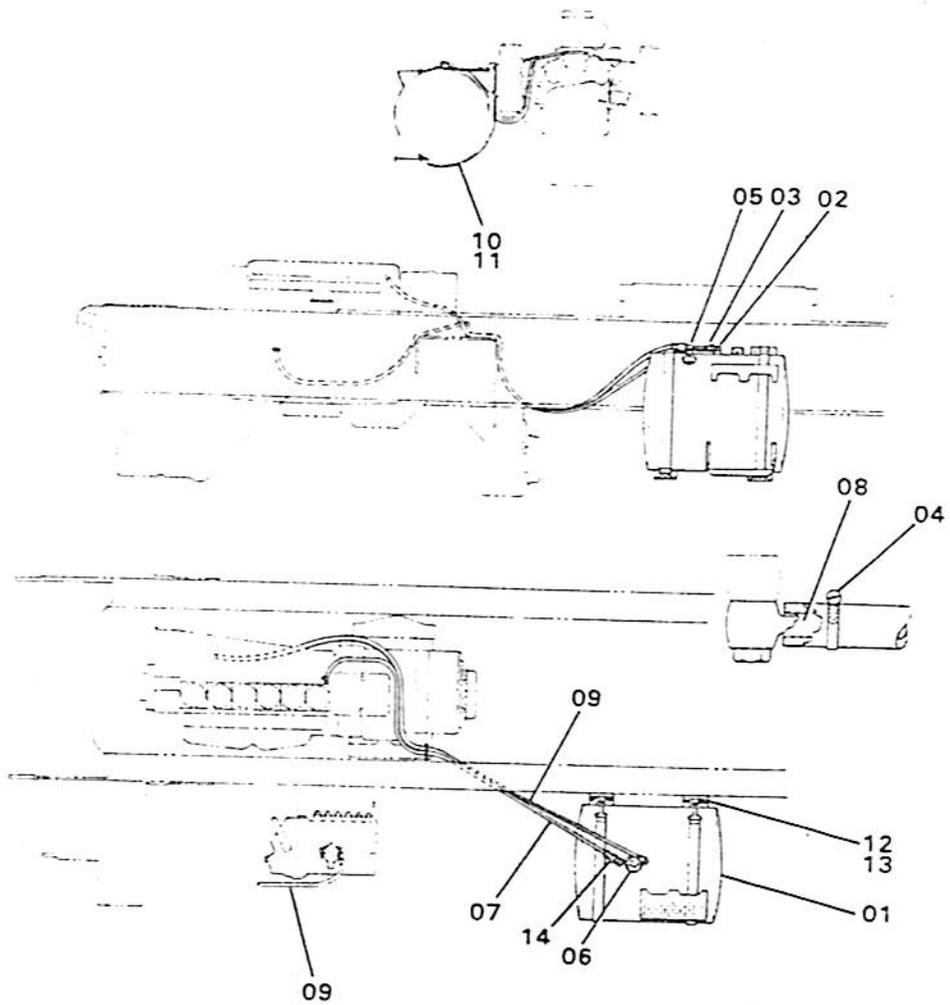


Ref.	Part Number	Description	Quantity				
			Figure Number				
-	944J38-1	ENGINE FUEL ASSEMBLY	1				
01	20Z646D73	. SCREW, Hex. hd. cap 1/2-13UNC x 3/4 in. Gr. 5 . . . . .	8				
02		. WASHER, Lock 1/2 in. . . . .	8				
03	16Q83	. BRACKET, Jay. . . . .	2				
04	27Q209	. TANK, Fuel . . . . .	1				
05	89Z151D11	. SENDING UNIT, Fuel level. . . . .	1				
06	44Z591D10	. ELBOW, 90° male . . . . .	1				
07	44Z591D13	. ELBOW, 90° male . . . . .	1				
08	44P42D27	. HOSE ASSY. . . . .	1				
09	44P43D8	. HOSE ASSY. . . . .	1				
10	44Z591D12	. ELBOW, 90° male . . . . .	1				
11	16Q84	. STRAP, Jay bracket. . . . .	2				

Ref. Dwg. 944J38  $\Delta$   
944J38-1

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# ENGINE FUEL ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	944J76-1	FUEL ASSY., ENGINE - DEUTZ	1			
01	27Q209	. TANK, Fuel	1			
02	44Z591D10	. ELBOW, 90°	1			
03	44Z1184D18	. ELBOW, 90°	1			
04	44Z12D23	. CLAMP	1			
05	36Z678	. VALVE, Check	1			
06	89Z151D11	. SENDING UNIT, Fuel	1			
07	44P2373D1	. HOSE ASSY., Return line	1			
08	13-944J76	. HOSE, 3/8" I.D. x 1-1/2" lg.	1			
09	44P43D9	. HOSE ASSY.	1			
10	16Q84	. STRAP, Jay bracket	1			
11	16Q83	. BRACKET, Jay	2			
12	20Z646D73	. SCREW, Hex hd. cap 1/2" x 3/4" lg. grd. 5	2			
13		. WASHER, Lock 1/2"	8			
14	44Z597D4	. CONNECTOR, Female	8			
			1			

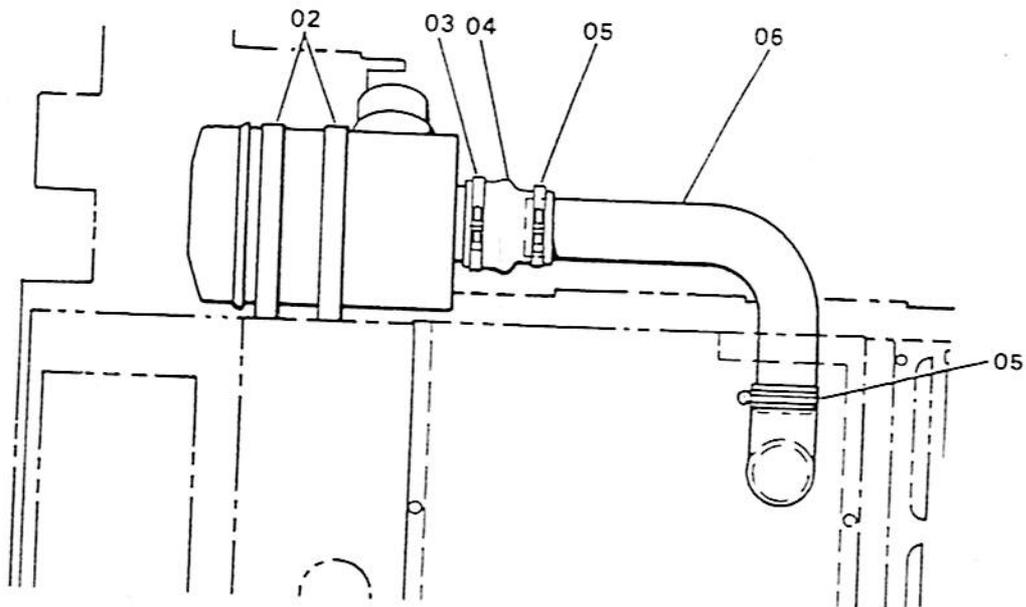
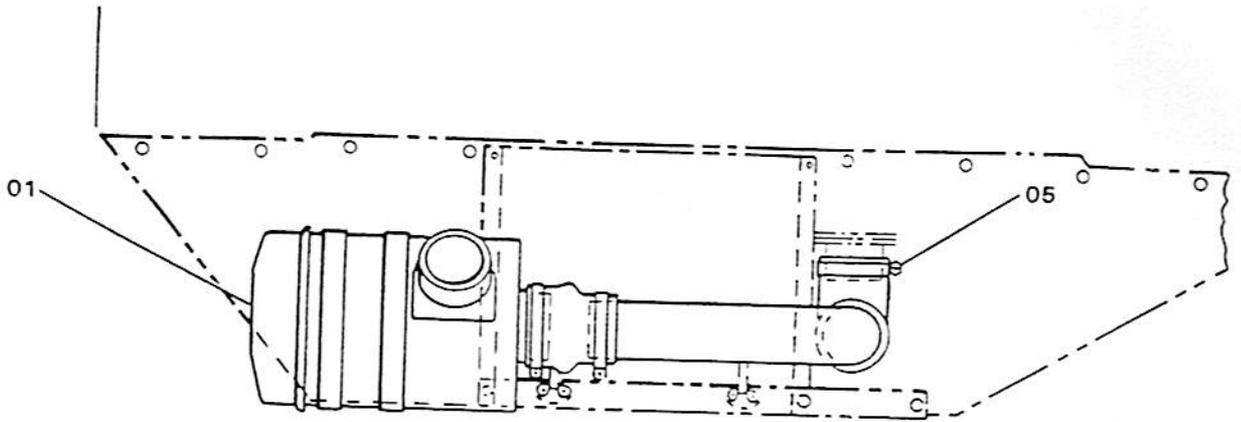
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944J76-1

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# AIR CLEANER ASSEMBLY

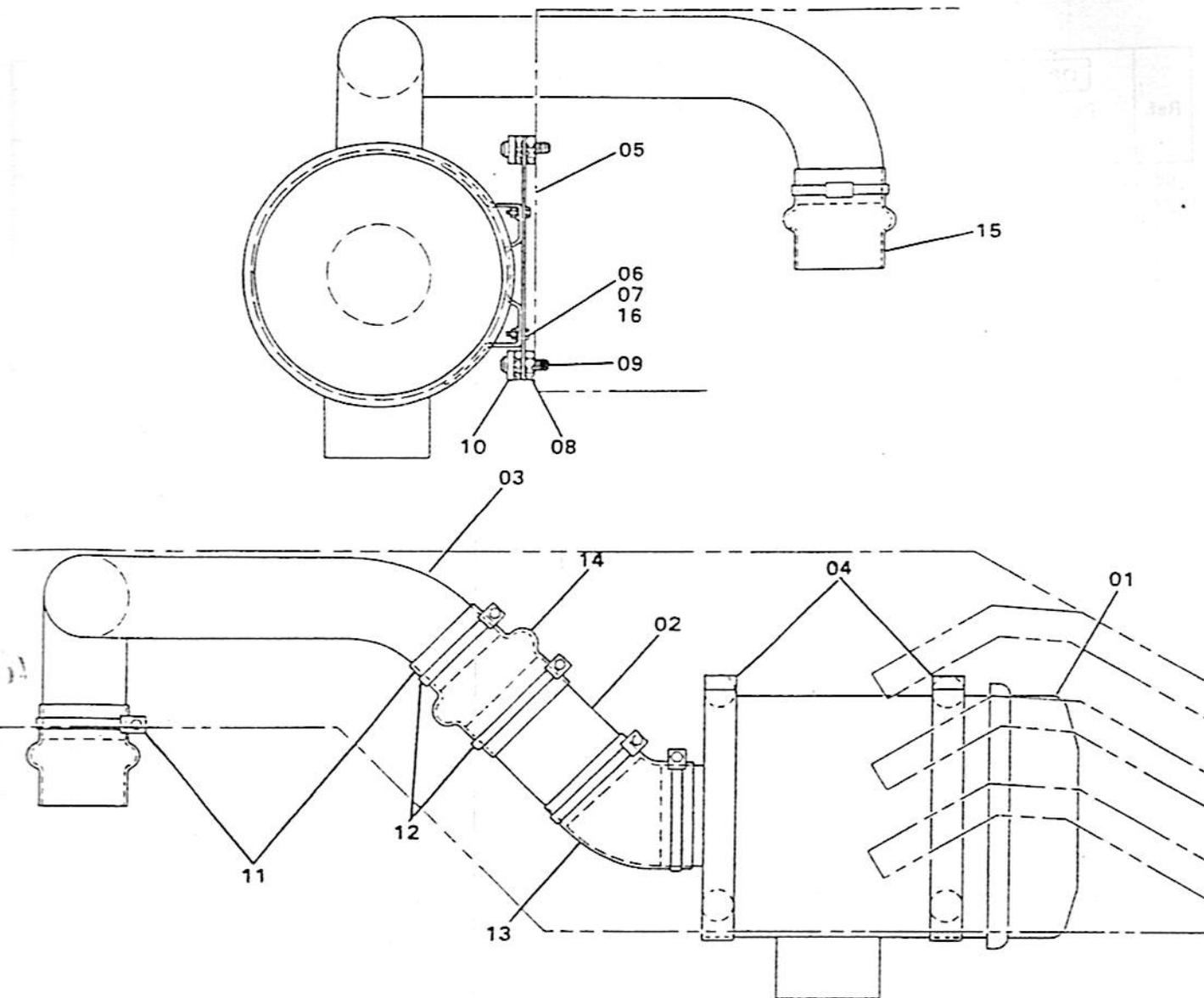


Ref.	Part Number	Description	Quantity		Figure Number				
			2	3					
-	946N6-2	AIR CLEANER ASSEMBLY							
-	946N6-3	AIR CLEANER ASSEMBLY							
01	<del>46U43</del>	<del>FILTER, Air</del>							
-	1046Z335	.. ELEMENT ..	1	1					
-	1045Z1763	.. O-RING ..	1	1					
02	46Z3	.. BAND, Mounting ..	1	1					
03	44Z978D21	.. CLAMP, Tube ..	2	2					
04	44Z976D1	.. REDUCER, Tube ..	1	1					
05	44Z978D1	.. CLAMP, Tube ..	1	1					
06	44P1808	.. TUBE ..	1	1					
06	44P2186	.. TUBE ..	1	-					
-				1					

Ref. Dwg. 946N6/A  
 946N6-2  
 946N6-3

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# AIR CLEANER ASSEMBLY



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1			
-	946J9-1	CLEANER ASSY., AIR - NOISE SUPP.	1			
01	46U34	. CLEANER, Air	1			
-	1046Z283	. . ELEMENT	1			
-	1045Z1569	. . O-RING	1			
02	46Q59	. SILENCER, Air inlet	1			
03	18U67	. TUBE	1			
04	32Q561	. BAND, Mounting	2			
05	16T7548	. BRACKET, Mtg.	2			

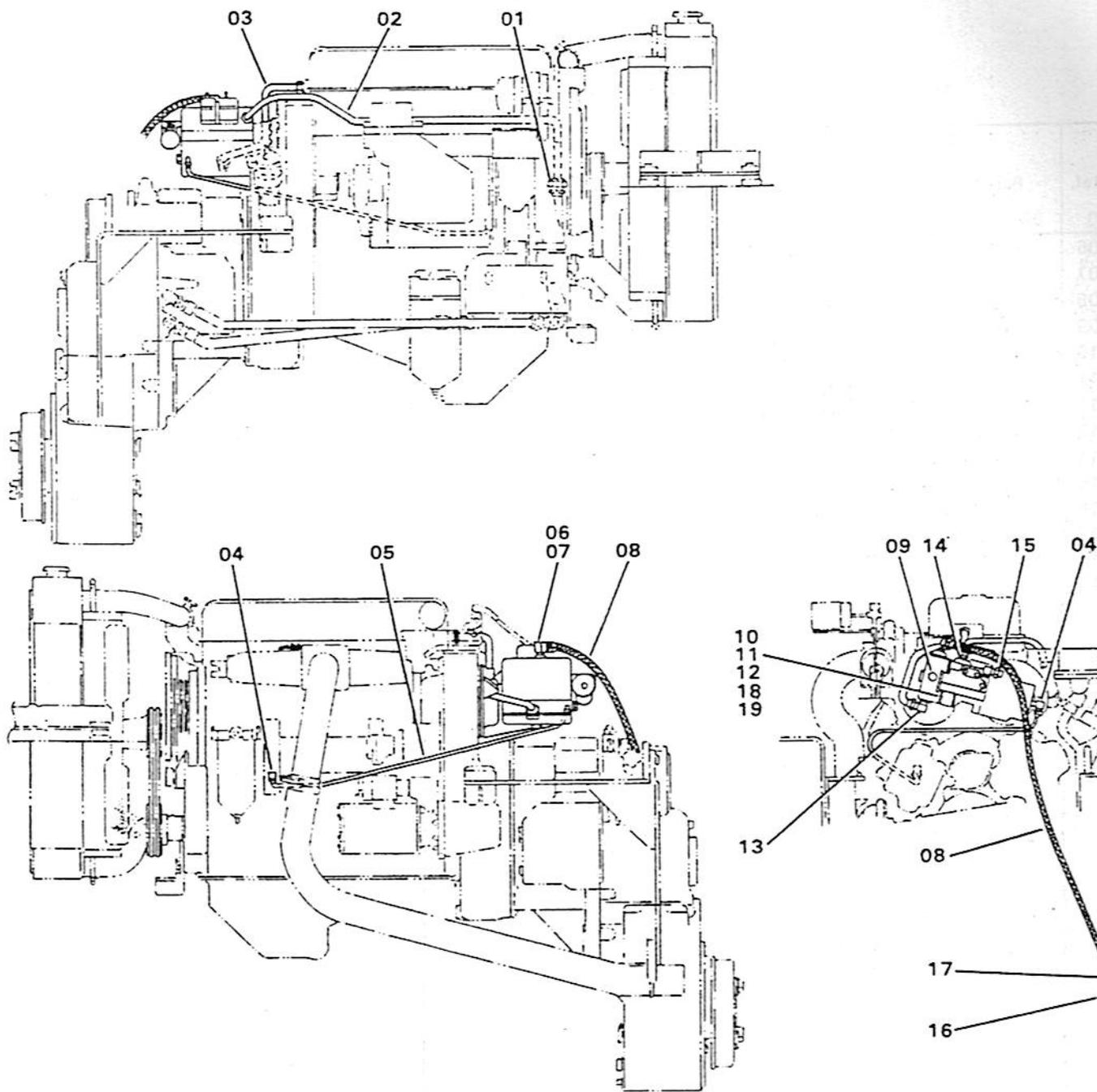
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### AIR CLEANER ASSEMBLY (Continued)

Ref.	OPTION	Description	Quantity				
	Part Number		Figure Number				
			1	2	3	4	5
06		. SCREW, Hex hd. cap 5/16-18 x 3/4 in. lg. . . . .	4				
07		. NUT, Hex 5/16-18 . . . . .	4				
08	16Q49D35	. CUSHION-TWO PIECE . . . . .	4				
09	20Q1D21	. SCREW, Hex soc. hd. shoulder . . . . .	4				
10	18F2331D1	. WASHER . . . . .	4				
11	44Z978D1	. CLAMP . . . . .	2				
12	44Z978D21	. CLAMP . . . . .	3				
13	44Z1930	. ELBOW, 45° . . . . .	1				
14	44Z976D1	. REDUCER, Hump . . . . .	1				
15	44Z808D1	. HOSE, Hump - air inlet . . . . .	1				
16		. WASHER, Lock 5/16 in. . . . .	4				

# COMPRESSOR LUBE AND COOLING LINES INSTALLATION



Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	2		
—	951J2-1	COMPRESSOR LUBE AND COOLING LINES INST.	1	1		
—	951J2-2	COMPRESSOR LUBE AND COOLING LINES INST. — ENPI	1	1		
01	44Z210D8	. BUSHING, Pipe. . . . .	1	1		
02	44P2036D2	. HOSE, 1/2 in. I.D. x 40 in. lg. . . . .	1	1		
03	44P2036D1	. HOSE, 1/2 in. I.D. x 16 in. lg. . . . .	1	1		
04	44Z591D3	. ELBOW, 90° male . . . . .	2	2		
05	44P150D5	. HOSE ASSY. . . . .	1	1		

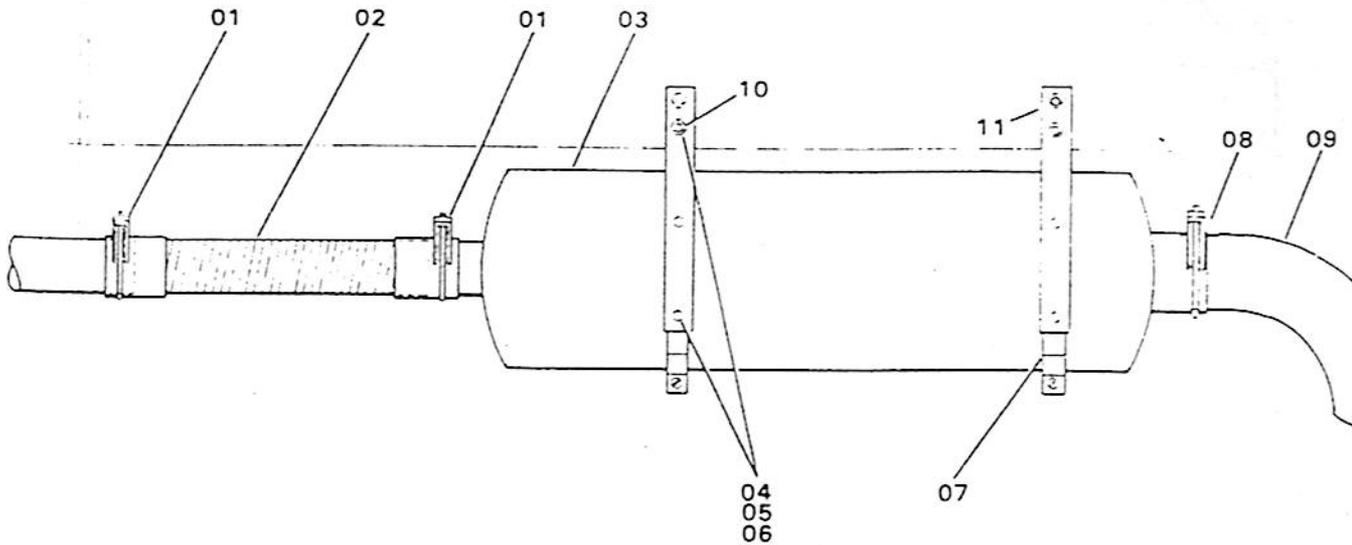
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COMPRESSOR LUBE AND COOLING LINES INSTALLATION (Continued)

Ref.	Part Number	Description	Quantity			
			Figure Number			
			1	2		
06	18Z1499	. FLANGE, Discharge. . . . .	1	1		
07	44Z259D20	. ELBOW, 90°. . . . .	1	1		
08	44Z758D40	. HOSE, Compressor discharge . . . . .	1	1		
09	44Z226D3	. PLUG, Pipe . . . . .	1	1		
10		. SCREW, Hex hd. cap 5/16-18UNC x 2-3/4 in. . . . .	2	2		
11		. WASHER, Lock 5/16 in. . . . .	2	2		
12	36Z1283	. GOVERNOR . . . . .	1	-		
13	44Z591D13	. ELBOW, 90° male . . . . .	1	1		
14	44Z590D11	. CONNECTOR, Male. . . . .	1	1		
15	44Z1587D1	. ELBOW, 90°. . . . .	1	1		
16	44Z1360D3	. INSERT, Brass . . . . .	1	1		
17	44Z371D6	. UNION, Tube . . . . .	1	1		
18	20Z1878	. GASKET, Governor . . . . .	1	1		
19	36Z1325	. GOVERNOR . . . . .	-	1		

# ENGINE EXHAUST ASSEMBLY



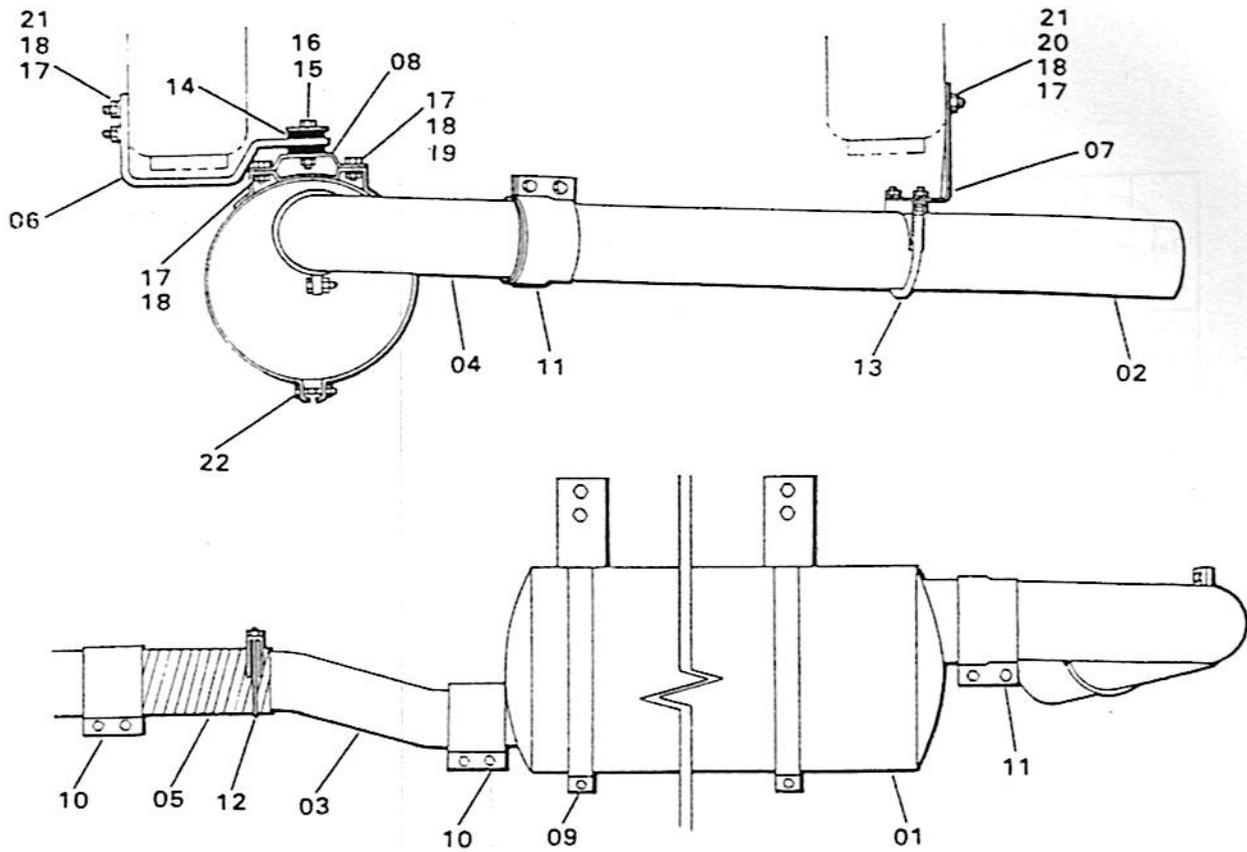
Ref.	OPTION Part Number	Description	Quantity	
			Figure Number	
			3	4
-	927J208-3	ENGINE EXHAUST ASSEMBLY		
-	927J208-4	ENGINE EXHAUST ASSEMBLY		
01	32Z171D10	. CLAMP, Muffler	2	-
01	27Z738D2	. CLAMP, Muffler	-	2
02	44Z1308D1	. TUBE, Connecting	1	1
03	27Q158D1	. MUFFLER	1	-
03	27Q158D2	. MUFFLER, Wrapped	-	1
04		. NUT, Hex 3/8-16UNC.	8	8
05		. WASHER, Lock 3/8 in.	8	8
06		. SCREW, Hex hd. cap 3/8-16UNC x 1 in.	4	4
07	46Z3	. BAND, Mounting	2	2
08	32Z171D12	. CLAMP, Muffler	1	1
09	27Z428D9	. ELBOW, Exhaust	1	1
10		. WASHER, Plain 3/8 in.	4	4
11	16T7166	. BRACKET, Muffler mtg.	2	2

Ref. Dwg. 927J208 / E  
 927J208-3  
 927J208-4

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# ENGINE EXHAUST INSTALLATION



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
			1	2		
-	927J265-1	ENGINE EXHAUST ASSY.	1	1		
-	927J265-2	ENGINE EXHAUST ASSY.	1	1		
01	27Q158D2	. MUFFLER. ....	1	1		
02	27Z1007	. SILENCER, Exhaust . . . . .	1	1		
03	27Q173	. TUBE, Exhaust. ....	1	1		
04	27Q185	. TUBE, Exhaust. ....	1	1		
05	44Z1308D4	. HOSE, Flex. exhaust . . . . .	1	1		
06	16P5439	. BRACKET, Muffler . . . . .	2	2		
07	16P5442	. BRACKET. ....	1	1		
08	16T7542	. BRACKET, Muffler . . . . .	2	2		
09	46Z3	. BAND, Mtg. ....	2	2		
10	27Z738D2	. CLAMP, Exhaust. ....	2	2		
11	27Z738D4	. CLAMP, Exhaust. ....	2	2		
12	32Z171D10	. CLAMP, Exhaust. ....	1	1		
13	32Z171D12	. CLAMP, Exhaust. ....	1	1		
14	16Q49D46	. CUSHION . . . . .	2	2		
15	20Q1D38	. SCREW, Shoulder . . . . .	2	2		

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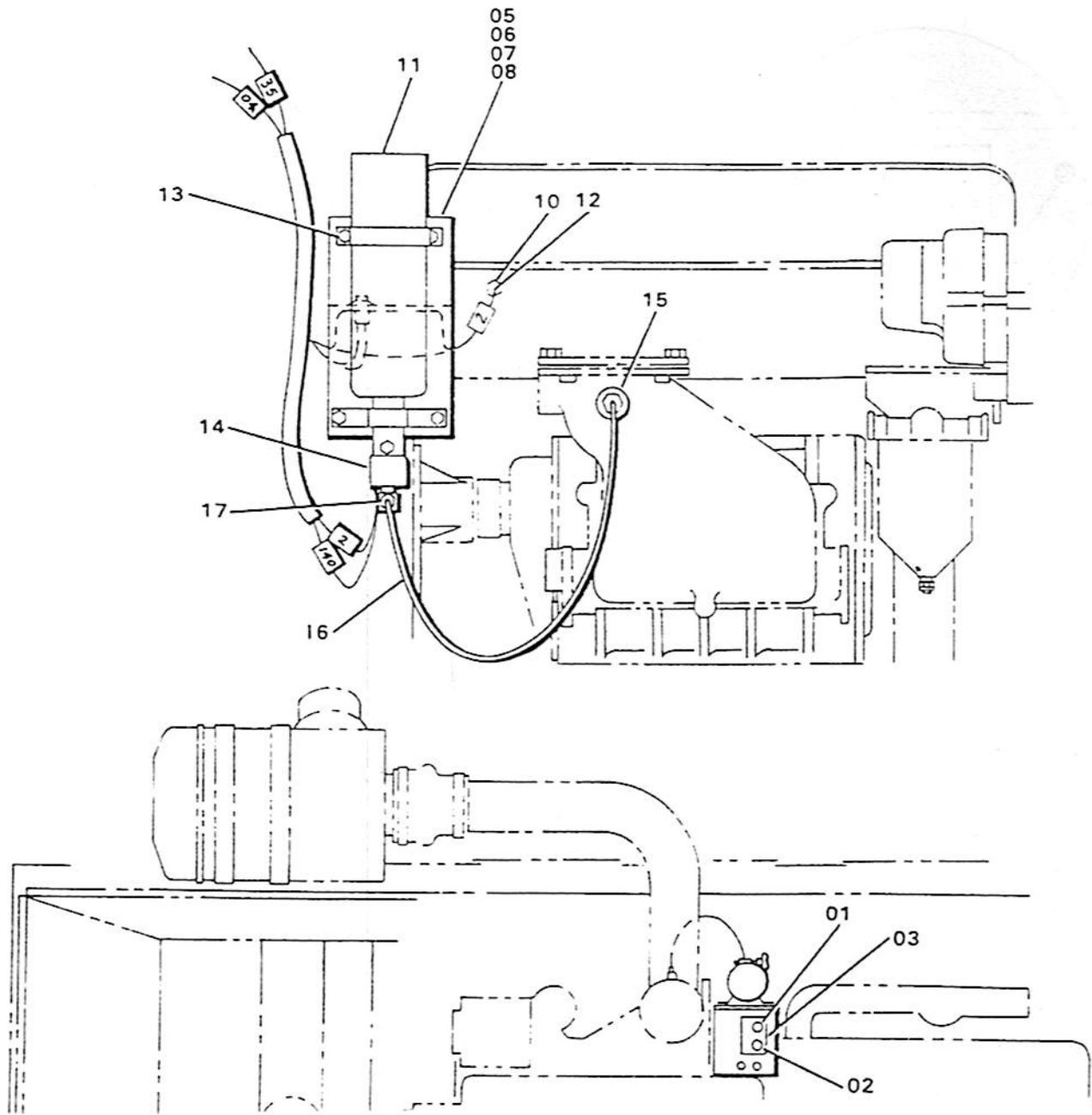
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### ENGINE EXHAUST INSTALLATION (Continued)

Ref.	<div style="border: 1px solid black; padding: 2px; display: inline-block;">OPTION</div> Part Number	Description	Quantity			
			Figure Number			
			1	2		
16	18H3892D436	. WASHER, Flat . . . . .	2	2		
17		. NUT, 3/8 in. -16 . . . . .	11	11		
18		. WASHER, Lock 3/8 in. . . . .	11	11		
19		. SCREW, Hex hd. cap 3/8 in. -16UNC x 5/8 in. lg. . . . .	4	4		
20	20Z23D1	. STUD, Weld 3/8 in. -16 . . . . .	1	-		
21		. WASHER. . . . .	5	5		
22		. SCREW, Hex hd. cap 5/16 in. -18UNC x 2-1/4 in. lg. . . . .	2	2		

# STARTING AID INSTALLATION



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	935J2-2	STARTING AID INSTALL.	2			
01	79Z3163D2	. SWITCH, Eng. start . . . . .	1			
02	79Z3163D1	. SWITCH, Quick start . . . . .	1			
03	32Z1892	. DECAL, Starting aid . . . . .	1			
04		. SCREW, Hex hd. cap 3/8 in. -16UNC x 5/8 in..	2			
05		. WASHER, Lock 3/8 in. . . . .	2			
06	16P5436	. BRACKET, Starting aid . . . . .	1			
07		. SCREW, Hex hd. cap 5/16 in. -18UNC x 5/8 in..	4			

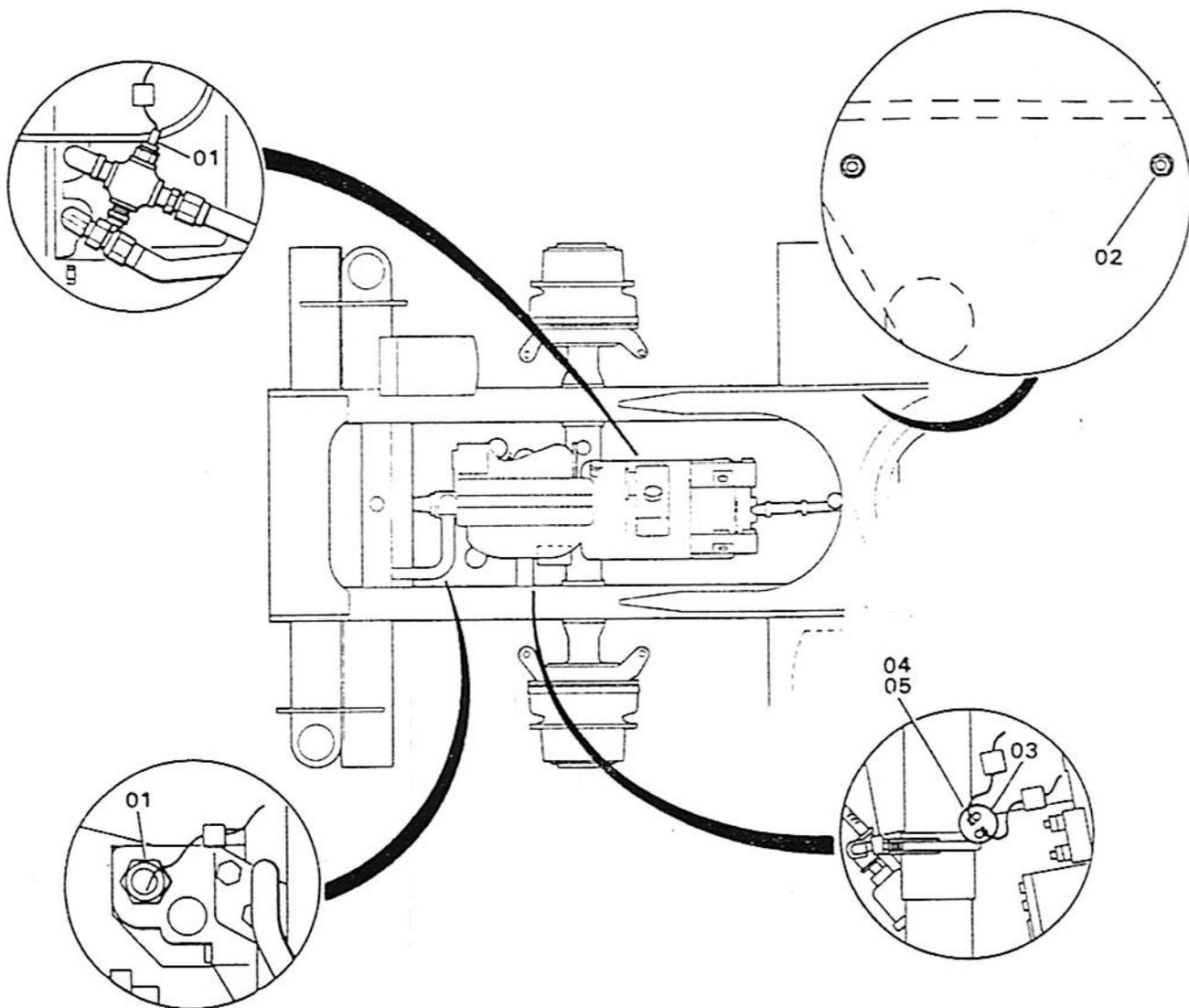
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## STARTING AID INSTALLATION (Continued)

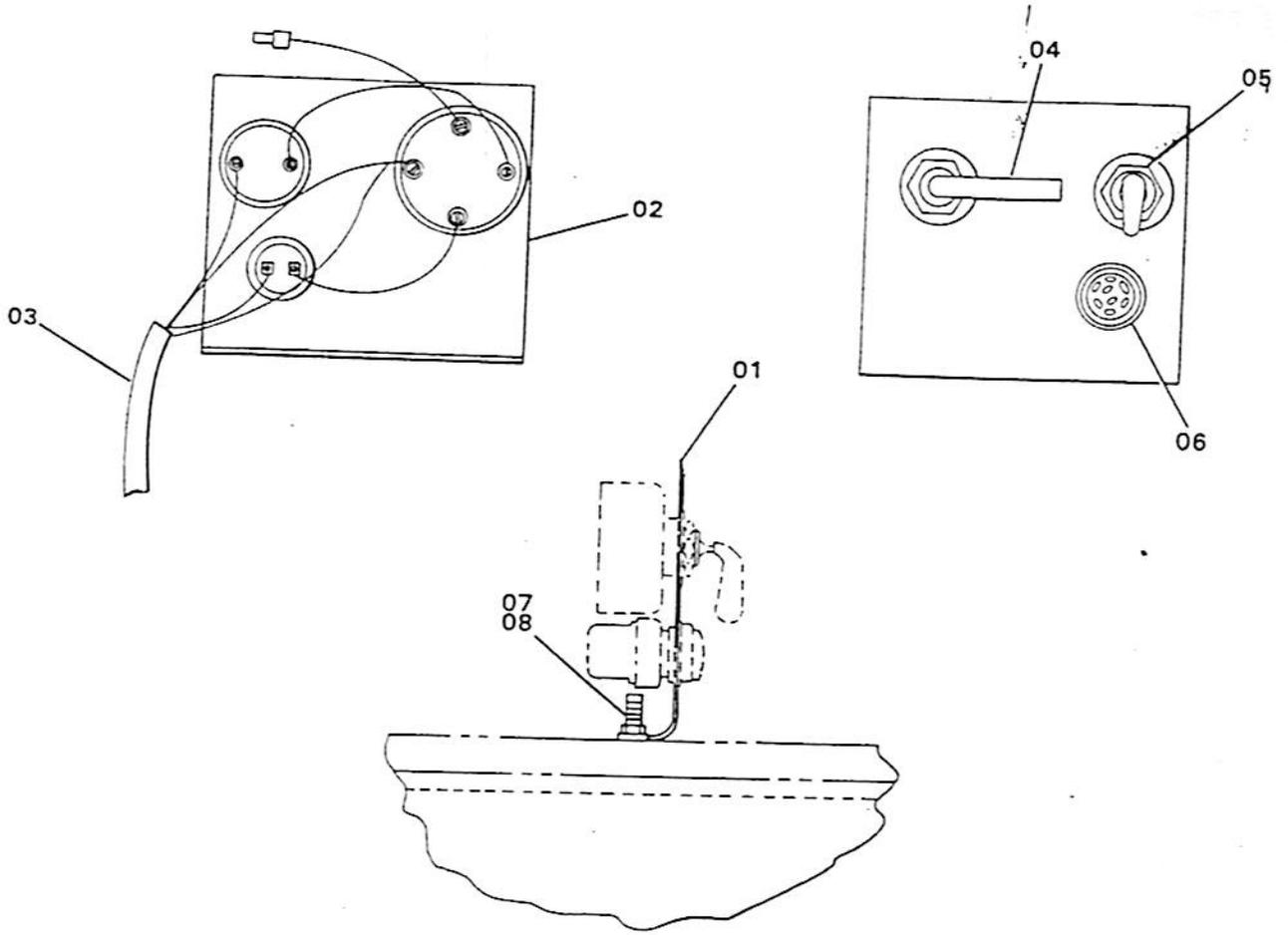
Ref.	OPTION	Description	
	Part Number		Figures
			2
08		. WASHER, Lock 5/16 in. . . . .	4
09		. NUT, Hex 5/16 in. -18UNC . . . . .	4
10	44Z210D1	. BUSHING, Pipe 1/4 in. MPT x 1/8 in. FPT. . . . .	2
-	35R1D12	. KIT, Start quick . . . . .	1
11	1038Z263	.. CYLINDER . . . . .	1
12	1089Z115	.. THERMOSTAT. . . . .	1
13	1032Z245	.. CLAMP . . . . .	1
14	1081Z11	.. VALVE ASSY. . . . .	1
15	1044Z655	.. ATOMIZER . . . . .	1
16	1018Z4979	.. TUBE . . . . .	1
17	1044Z654	.. CONNECTOR, Str. . . . .	1
NOTE			
All individual wires, leads & jumpers should be fabricated locally.			

# ENGINE WARNING SYSTEM INSTALLATION



Ref.	OPTION Part Number	Description	Quantity				
			Figure Number				
			1	2			
—	979N78-1	ENGINE WARNING SYSTEM INSTALLATION	↓				
—	979N78-2	ENGINE WARNING SYSTEM INSTALLATION (DEUTZ ENG.)		↓			
01	89Z482	. SWITCH, Temp. ....	2	—			
02	89Z529D3	. SWITCH, Temp. ....	1	1			
03	79Z2588D3	. SWITCH, Low pressure. ....	1	—			
04	44Z558D1	. NIPPLE, Hex ....	1	—			
05	44Z994D1	. COUPLING, Pipe. ....	1	—			

# PRE HEATER INSTALLATION – FLAME TYPE



Ref.	OPTION Part Number	Description	Quantity			
			Figure Number			
-	100N2838-1	PRE HEATER INSTALL. – FLAME TYPE	1			
01	935P1-1	. PREHEAT ASSY.	1			
02	16P5410	.. PANEL, Preheat	1			
03	79U1775	.. HARNESS, Preheat	1			
-	35U1	.. KIT, Preheat	1			
04		.. SWITCH, Heater plug starter	1			
05		.. BOX, Switch	1			
06		.. INDICATOR, Heater plug	1			
07		. WASHER, Lock 3/8 in.	1			
08		. NUT, Hex 3/8 in.-16UNC	2			
		NOTE				
		All individual wires, leads and jumpers should be fabricated locally.				

Ref. Dwg. 100N2838  
935P1

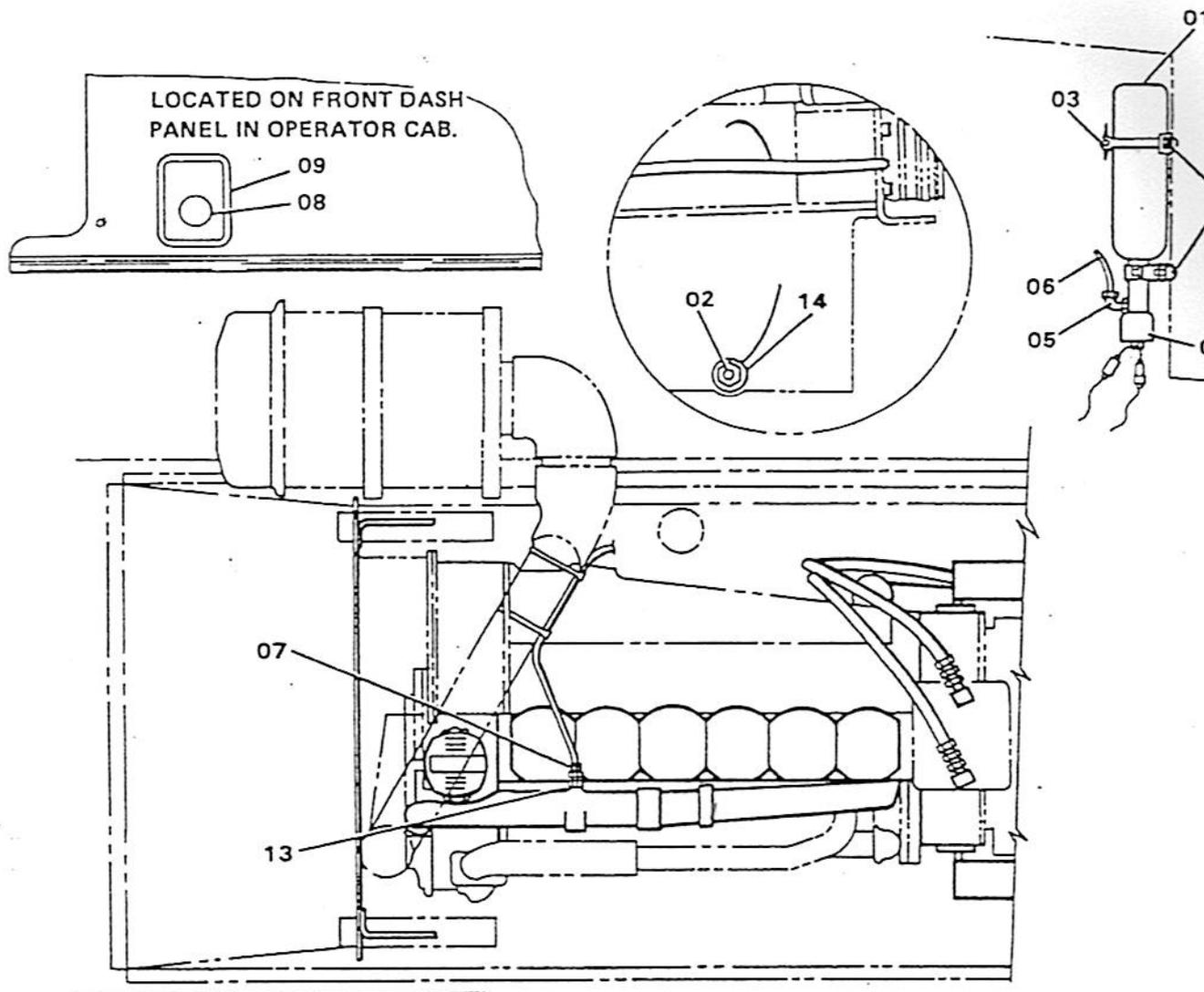
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935P1-1

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STARTING AID INSTALLATION – DEUTZ ENGINE



Ref.	Part Number	Description	Quantity			
			Figure Number			
			2			
-	935J6-2	STARTING AID INSTALLATION – DEUTZ ENG.	1			
-	35R1D14	. KIT, Starting aid . . . . .	1			
01	1038Z263	. . CYLINDER . . . . .	1			
02	1089Z115	. . THERMOSTAT . . . . .	1			
03	1032Z245	. . CLAMP . . . . .	1			
04	1036Z743	. . VALVE ASSY. . . . .	1			
05	1036Z745	. . FITTING, 90° . . . . .	1			
06	1018Z4979	. . TUBE . . . . .	1			
07	1036Z1064	. . ATOMIZER . . . . .	1			
-	935N6F1	. PUSHBUTTON INST. – STARTING AID . . . . .	1			
08	79Z3163D1	. . SWITCH, Pushbutton . . . . .	1			
09	32Z1920	. . DECAL, Starting aid. . . . .	1			
10	0860V129	. . SCREW, Slot. rd. hd. mach. plated . . . . .	4			
11		. . NUT, Hex 5/16 in.–18 . . . . .	4			
12		. . WASHER, Lock 5/16 in. . . . .	4			
13	44T630	. . ADAPTER, Metric to NPT . . . . .	1			
14	44T627	. . PLUG, Oil pan . . . . .	1			

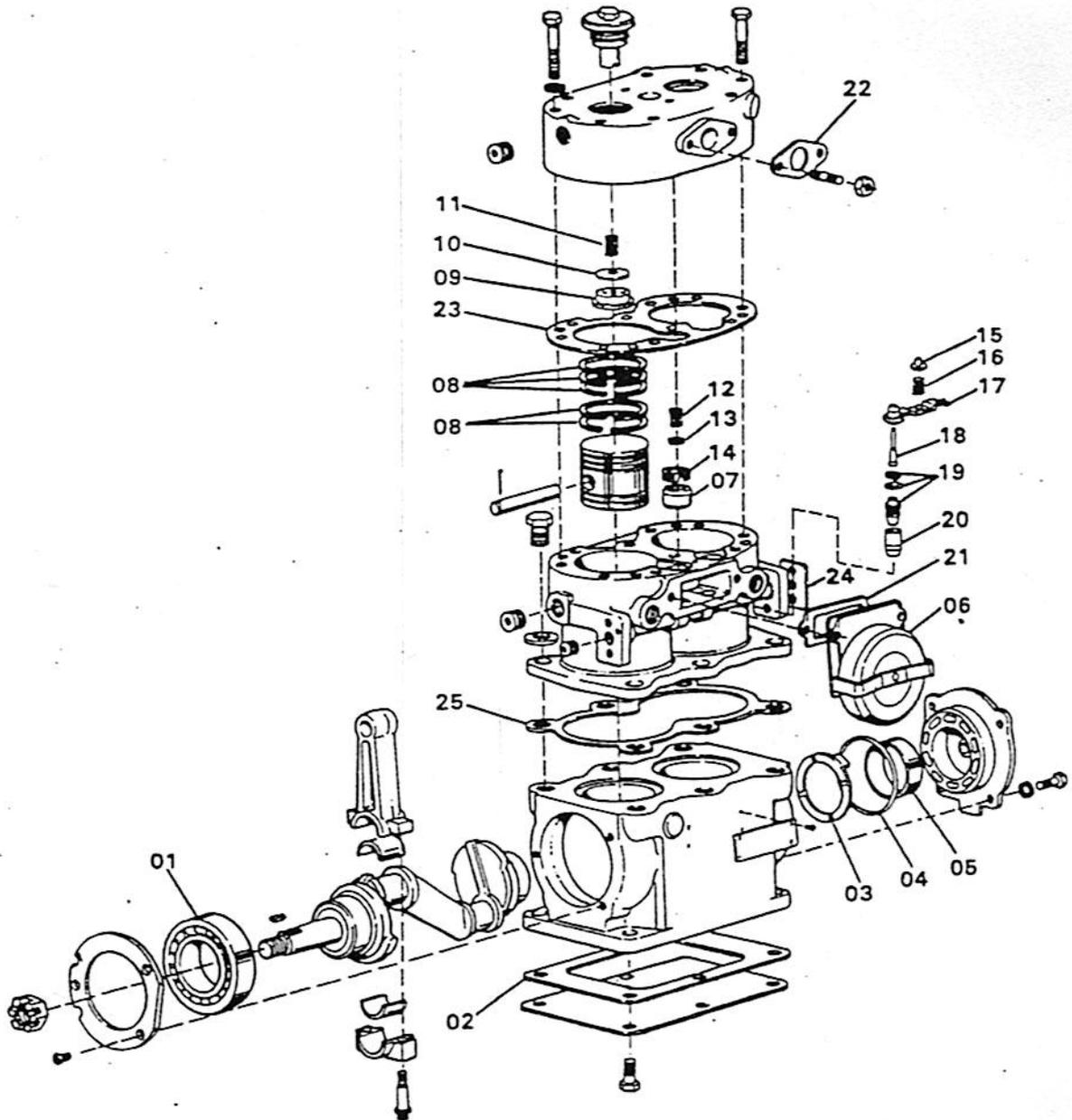
Ref. Dwg. 935J6 935J6-2  
 35R1D14  
 935N6 935N6-1

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# AIR COMPRESSOR



Ref.	Part Number	Description	Quantity			
			Figure Number			
—	51U14	COMPRESSOR, AIR				
01	1025Z2323	. BEARING, Crankshaft . . . . .	1			
02	1020Z6569	. GASKET, Bottom cover . . . . .	1			
03	1018Z6597	. WASHER, Thrust . . . . .	1			
04	1020Z6570	. GROMMET . . . . .	1			
05	1005Z657	. BUSHING, Rear crankshaft . . . . .	1			
—		. FILTER, Air . . . . .	1			
06	1046Z294	. . ELEMENT, Filter . . . . .	1			
07	1005Z251	. BUSHING, Unloader valve . . . . .	1			
08	1039Z186	. RING KIT, Piston . . . . .	1			
09	1036Z172	. SEAT, Discharge valve . . . . .	1			
—	1018Z6503	. KIT, Field maintenance . . . . .	1			
10		. . VALVE, Discharge . . . . .	2			
11		. . SPRING, Discharge valve . . . . .	2			

### AIR COMPRESSOR (Continued)

Ref.	Part Number	Description	Quantity			
			Figure No.			
12	1045Z282	.. SPRING, Inlet valve . . . . .	2			
13		.. VALVE, Inlet . . . . .	2			
14		.. GUIDE, Inlet valve . . . . .	2			
—		.. KIT, Unloader . . . . .	1			
15		.. SEAT, Unloader spring . . . . .	1			
16		.. SPRING, Unloader . . . . .	1			
17		.. SADDLE, Unloader spring . . . . .	1			
18		.. PLUNGER, Unloader . . . . .	2			
19		.. PISTON, Unloader . . . . .	2			
20		.. GUIDE, Plunger . . . . .	2			
21		.. GASKET, Air filter . . . . .	1			
22		.. GASKET, Discharge fitting . . . . .	1			
23		.. GASKET, Cylinder head . . . . .	1			
—		1020Z6571	.. KIT, Gasket . . . . .	1		
21			.. GASKET, Air filter . . . . .	1		
22			.. GASKET, Discharge fitting . . . . .	1		
23			.. GASKET, Cylinder head . . . . .	1		
24			.. GASKET, Governor . . . . .	1		
25			.. GASKET, Cylinder block . . . . .	1		