

WORK EQUIPMENT CONTROL SYSTEM

CONTENTS

	FIG NO.	PAGE
HYDRAULIC PUMP UNIT	6001 ..	198
HYDRAULIC PUMP, FRONT (1/2)	6002 ..	202
HYDRAULIC PUMP, FRONT (2/2)	6003 ..	206
HYDRAULIC PUMP, END CAP	6004 ..	210
HYDRAULIC PUMP, REAR (1/2)	6005 ..	212
HYDRAULIC PUMP, REAR (2/2)	6006 ..	216
SERVO VALVE, FRONT (1/2)	6011 ..	220
SERVO VALVE, FRONT (2/2)	6012 ..	222
CUT OFF AND NEGATIVE CONTROL VALVE, FRONT	6013 ..	226
TORQUE VARIABLE CONTROL VALVE	6014 ..	230
SERVO VALVE REAR (1/2)	6015 ..	232
SERVO VALVE REAR (2/2)	6016 ..	234
CUT OFF AND NEGATIVE CONTROL VALVE, REAR	6017 ..	238
RELIEF VALVE	6018 ..	242
HYDRAULIC PUMP	6021 ..	244
HYDRAULIC OIL AND FUEL TANK	6101 ..	246
CONTROL VALVE, L.H. (1/4)	6211 ..	250
CONTROL VALVE, L.H. (2/4)	6212 ..	254
CONTROL VALVE, L.H. (3/4)	6213 ..	258
CONTROL VALVE, L.H. (4/4)	6214 ..	262
CONTROL VALVE, R.H. (1/4)	6215 ..	266
CONTROL VALVE, R.H. (2/4)	6216 ..	270
CONTROL VALVE, R.H. (3/4)	6217 ..	274
CONTROL VALVE, R.H. (4/4)	6218 ..	278
BOOM CYLINDER	6401 ..	280
ARM CYLINDER	6403 ..	284
BUCKET CYLINDER	6405 ..	288
HYDRAULIC PIPING (TANK TO PUMP)	6501 ..	292
HYDRAULIC PIPING (PUMP TO VALVE)	6502 ..	294
HYDRAULIC PIPING (VALVE TO VALVE)	6503 ..	296
HYDRAULIC PIPING (VALVE TO TANK AND OIL COOLER)	6504 ..	300
HYDRAULIC PIPING (VALVE TO/FROM SOLENOID VALVE)	6506 ..	302
HYDRAULIC PIPING (VALVE TO BOOM CYLINDER)	6511 ..	304
HYDRAULIC PIPING (VALVE TO ARM CYLINDER)	6513 ..	306
HYDRAULIC PIPING (VALVE TO BUCKET CYLINDER)	6515 ..	308
ADDITIONAL HYDRAULIC CIRCUIT (1/2) (ATTACHMENT SIDE)	6521 ..	310
ADDITIONAL HYDRAULIC CIRCUIT (2/2) (ATTACHMENT SIDE)	6523 ..	314
ADDITIONAL HYDRAULIC CIRCUIT (CHASSIS SIDE)	6525 ..	318
CONTROL LINKAGE (1/2) (ADDITIONAL HYDRAULIC CIRCUIT)	6527 ..	322
CONTROL LINKAGE (2/2) (ADDITIONAL HYDRAULIC CIRCUIT)	6529 ..	324

FIG. 6001 HYDRAULIC PUMP UNIT

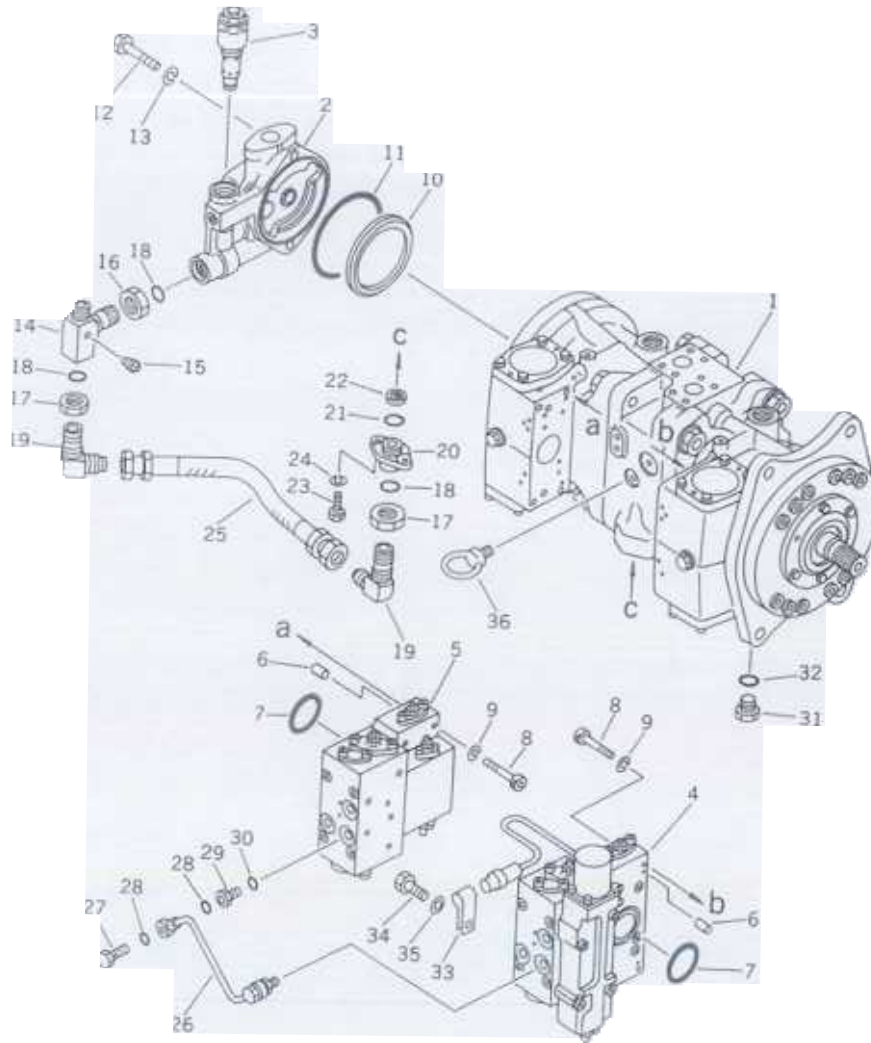
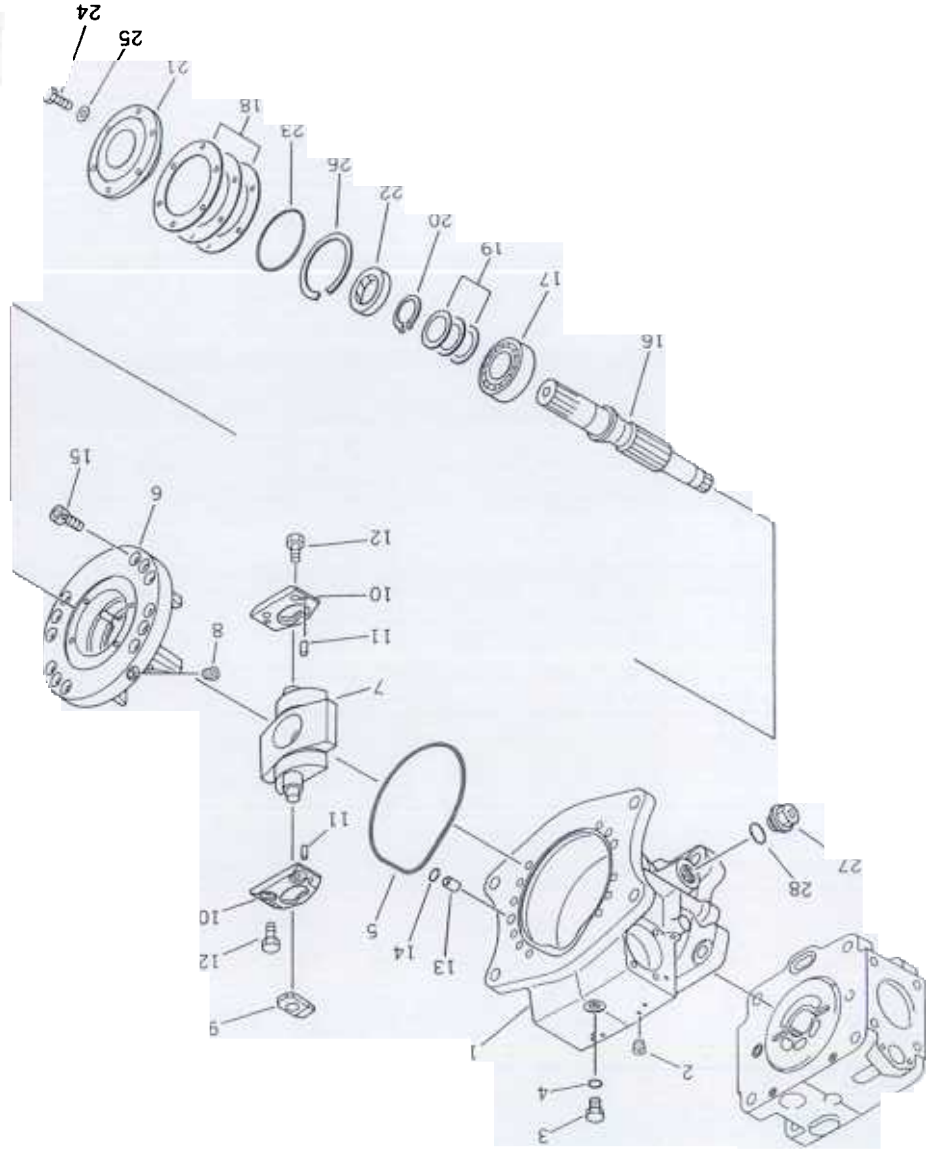


FIG NO. 6001

INDEX NO.	PART NO.	DESCRIPTION	Q'TY	SERIAL NO. PC180LC-3	SERIAL NO.
	708-25-02021	HYDRAULIC PUMP ASS'Y (HPV71 + 71) ...		1001 -	
		<i>THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.</i>			
1	(708-25-02120)	• HYDRAULIC PUMP SUB ASS'Y	1	1001 -	
1	(708-25-02220)	•• HYDRAULIC PUMP SUB ASS'Y	1	1001 -	
2	(704-24-28211)	• PUMP ASS'Y	1	1001 -	
3	(708-23-14801)	• RELIEF VALVE ASS'Y	1	1001 -	
4	(708-25-07170)	• SERVO VALVE ASS'Y, FRONT	1	1001 -	
5	(708-25-07270)	• SERVO VALVE ASS'Y, REAR	1	1001 -	
6	04020-00616	• PIN, DOWEL	4	1001 -	
7	07000-03048	• O-RING	2	1001 -	
8	708-25-19130	• BOLT	8	1001 -	
9	01602-20825	• WASHER, SPRING	8	1001 -	
10	708-25-22961	• COLLAR	1	1001 -	
11	704-28-02710	• O-RING	1	1001 -	
12	01010-31260	• BOLT	2	1001 -	
13	01643-31232	• WASHER	2	1001 -	
14	708-25-29120	• ELBOW	1	1001 -	
15	07042-20108	• PLUG	1	1001 -	
16	07239-12410	• NUT	1	1001 -	
17	07239-12009	• NUT	2	1001 -	
18	07002-02434	• O-RING	1	1001 -	
19	07232-20422	• ELBOW	2	1001 -	
20	708-25-19120	• FLANGE	1	1001 -	
21	07002-02034	• O-RING	1	1001 -	
22	720-68-15240	• FILTER	1	1001 -	
23	01010-30820	• BOLT	2	1001 -	
24	01602-20825	• WASHER, SPRING	2	1001 -	
25	708-25-29110	• HOSE	1	1001 -	
26	708-25-29140	• TUBE	1	1001 -	
27	706-46-53180	• BOLT, EYE	2	1001 -	
28	07000-02012	• O-RING	4	1001 -	
29	706-46-53260	• PLUG	2	1001 -	
30	07002-01423	• O-RING	2	1001 -	
31	07040-02412	• PLUG	2	1001 -	

INDEX NO.	PART NO.	DESCRIPTION	QTY	SERIAL NO. PC180LC-3	SERIAL NO.
32	07002-02434	* O-RING	2	1001 -	
33	08036-21814	* CLIP	2	1001 -	
34	01010-30812	* BOLT	1	1001 -	
35	01843-30823	* WASHER	1	1001 -	
36	04350-01222	* BOLT, EYE	1	1001 -	

FIG. 6002 HYDRAULIC PUMP, FRONT (1/2)



PC180LC-3

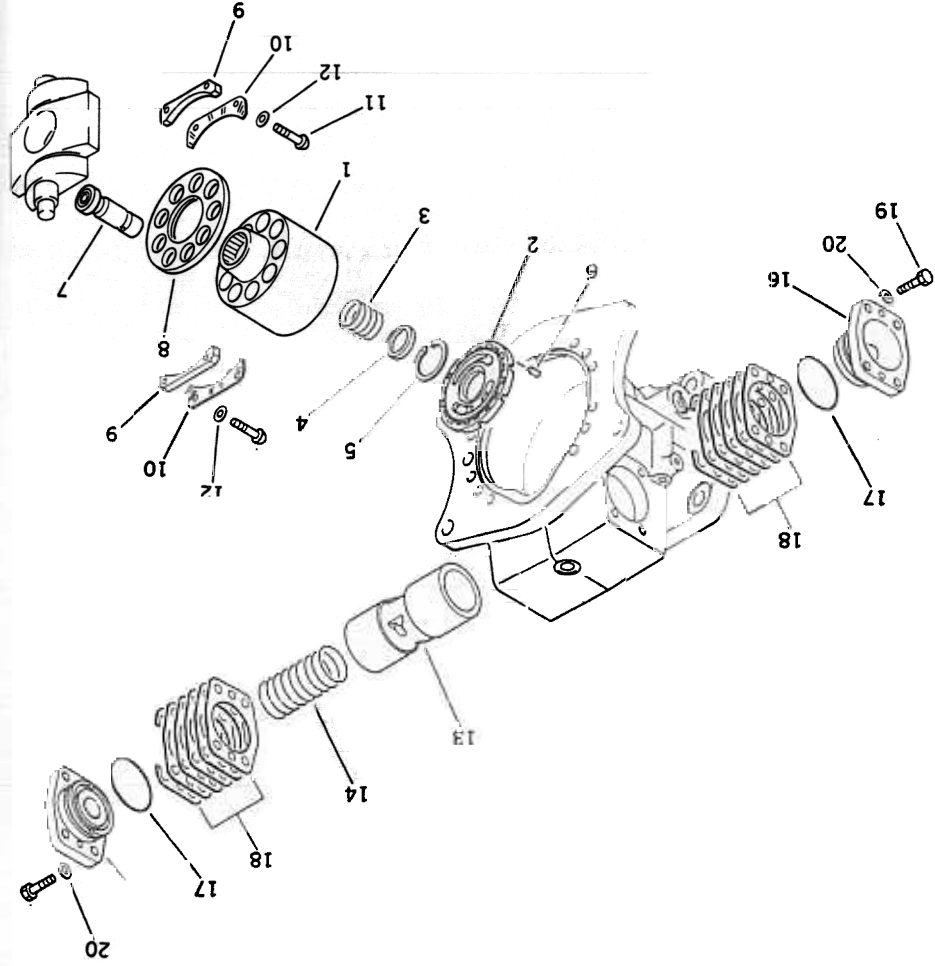
INDEX NO.	PART NO.	DESCRIPTION	Q'TY	SERIAL NO.	SERIAL NO.
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	(708-25-02021)	HYDRAULIC PUMP ASS'Y (HPV71 + 71)	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.			
	708-25-02120	HYDRAULIC PUMP SUB ASS'Y	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6002 TO 6006, 6018, AND 6021.			
	708-25-02220	HYDRAULIC PUMP SUB ASS'Y	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6002 TO 6006.			
	1	CASE ASS'Y, FRONT	1	1001-	
	1	CASE, FRONT	1	1001-	
	2	PLUG	12	1001-	
	3	720-68-19870	1	1001-	
	4	07002-01223	1	1001-	
	5	(708-25-12340)	1	1001-	
	6	(708-25-00060)	1	1001-	
	6	(708-25-22311)	1	1001-	
	7	(708-25-23410)	1	1001-	
	8	(708-25-51180)	1	1001-	
	9	(708-25-14120)	1	1001-	
	10	(708-25-12360)	2	1001-	
	11	(04020-00820)	4	1001-	
	12	(01010-30816)	4	1001-	
	13	(708-25-12330)	1	1001-	
	14	(07000-12015)	1	1001-	
	15	(708-25-12350)	12	1001-	
	16	(708-25-22711)	1	1001-	
	17	(708-25-12731)	1	1001-	
	18	(708-25-05130)	1	1001-	
	18	(708-25-12930)	2	1001-	
	18	(708-25-12940)	1	1001-	
	19	(708-25-05010)	1	1001-	
	19	(708-25-12760)	1	1001-	
	19	(708-25-12770)	1	1001-	
	19	(708-25-12780)	1	1001-	
		***** WASHER, 2.2MM	1	1001-	
		***** WASHER, 2.1MM	1	1001-	
		***** WASHER, 2.0MM	1	1001-	
		*** WASHER, KIT	1	1001-	
		***** SHIM, 0.1MM	1	1001-	
		***** SHIM, 0.2MM	2	1001-	
		*** SHIM, KIT	1	1001-	
		*** BEARING	1	1001-	
		*** SHAFT	1	1001-	
		*** BOLT	12	1001-	
		*** O-RING	1	1001-	
		*** JOINT	1	1001-	
		*** SCREW	4	1001-	
		*** PIN	4	1001-	
		*** PLATE	2	1001-	
		*** SLIDER	1	1001-	
		*** PLUG	1	1001-	
		*** ROCKER, CAM	1	1001-	
		*** CRADLE, FRONT	1	1001-	
		*** CRADLE ASS'Y, FRONT	1	1001-	
		*** O-RING	1	1001-	
		*** O-RING	1	1001-	
		*** PLUG	1	1001-	
		*** PLUG	12	1001-	
		*** CASE, FRONT	1	1001-	
		*** CASE ASS'Y, FRONT	1	1001-	

PC180LC-3

INDEX NO.	PART NO.	DESCRIPTION	QTY	SERIAL NO. PC180LC-3	SERIAL NO.
20	(* 708-25-12790)	***RING, SNAP.....	1	1001 -	
21	(* 708-25-12811)	***HOUSING.....	1	1001 -	
22	708-25-12980	***SEAL, OIL.....	1	1001 -	
23	07000-02080	***O-RING.....	1	1001 -	
24	01010-30820	***BOLT.....	6	1001 -	
25	01843-30823	***WASHER.....	6	1001 -	
26	(* 708-25-12870)	***RING.....	1	1001 -	
27	07040-02412	***PLUG.....	1	1001 -	
28	07002-02434	***O-RING.....	1	1001 -	

FIG. 6003 HYDRAULIC PUMP, FRONT (2/2)

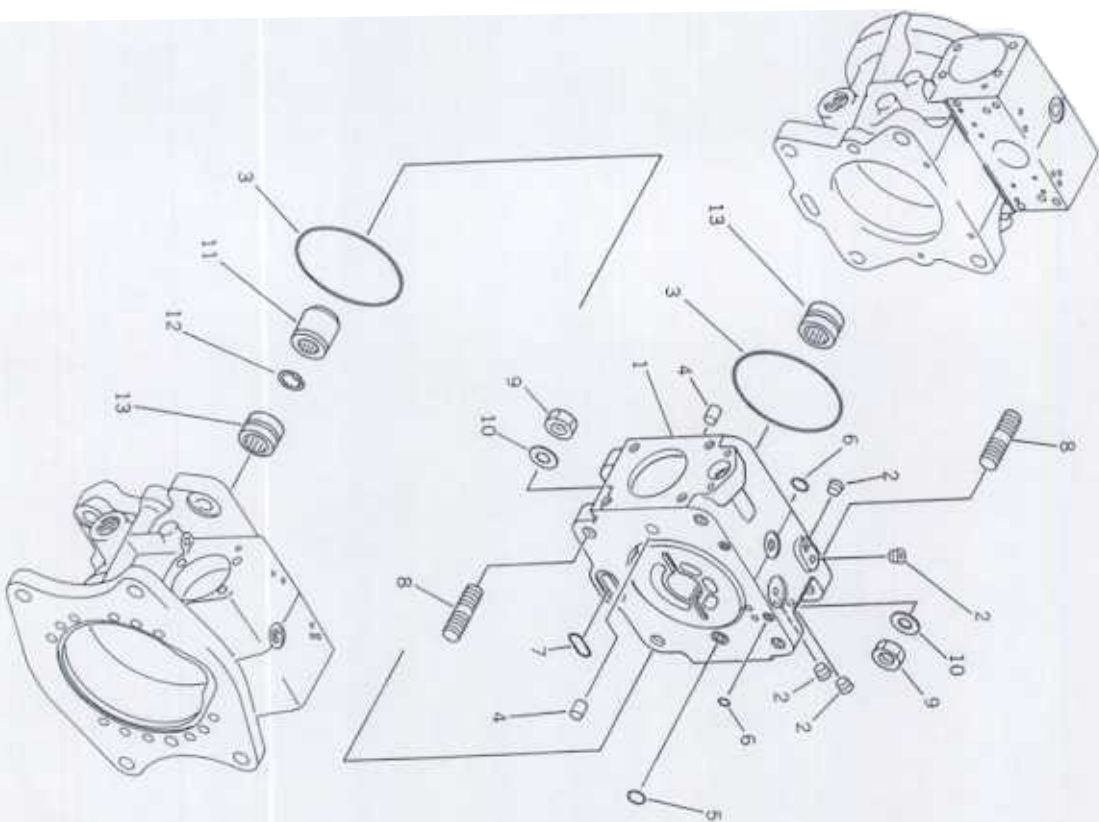


INDEX NO.	PART NO.	DESCRIPTION	Q.TY	SERIAL NO. PC180LC-3	SERIAL NO.
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	(708-25-02021)	HYDRAULIC PUMP ASS'Y (HPV71 + 71)	1001-		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.
	(708-25-02120)	• HYDRAULIC PUMP SUB ASS'Y	1001-		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6002 TO 6006, 6018, AND 6021.
	(708-25-02220)	• HYDRAULIC PUMP SUB ASS'Y	1001-		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6002 TO 6006.
	(*708-25-00010)	• • • BLOCK ASS'Y	1001-		
	1 (*708-25-13151)	• • • • BLOCK, CYLINDER	1001-		
	2 (*708-25-13210)	• • • • PLATE, VALVE	1001-		
	3 (*708-25-13130)	• • • • SPRING	1001-		
	4 (*708-25-13120)	• • • • WASHER	1001-		
	5 (*708-25-13140)	• • • • RING, SNAP	1001-		
	6 (*720-68-19610)	• • • • PIN	1001-		
	7 (*708-25-13311)	• • • • PISTON SUB ASS'Y	1001-	9	
	8 (*708-25-13422)	• • • • RETAINER, SHOE	1001-	1	
	9 (*708-25-05060)	• • • • SPACER KIT	1001-	2	
	9 (*708-25-13511)	• • • • SPACER, 11.575MM	1001-	1	
	9 (*708-25-13521)	• • • • SPACER, 11.540MM	1001-	1	
	9 (*708-25-13531)	• • • • SPACER, 11.560MM	1001-	1	
	10 (*708-25-13441)	• • • • RETAINER, BEARING	1001-	2	
	11 (*708-25-13470)	• • • • SCREW	1001-	4	
	12 (*01843-30623)	• • • • WASHER	1001-	4	
	13 (*708-25-14111)	• • • • PISTON	1001-	1	
	14 708-25-14130	• • • • SPRING	1001-	1	
	15 (*708-25-24110)	• • • • CAP	1001-		
	16 (*708-25-14150)	• • • • CAP	1001-	1	
	17 07000-02065	• • • • O-RING	1001-	2	
	18 (*708-25-05050)	• • • • SHIM KIT	1001-	2	
	18 (*708-25-14190)	• • • • SHIM, 0.10MM	1001-	4	
	18 (*708-25-14180)	• • • • SHIM, 0.10MM	1001-	2	
	18 (*708-25-14170)	• • • • SHIM, 0.20MM	1001-	2	
	18 (*708-25-14160)	• • • • SHIM, 0.50MM	1001-	3	

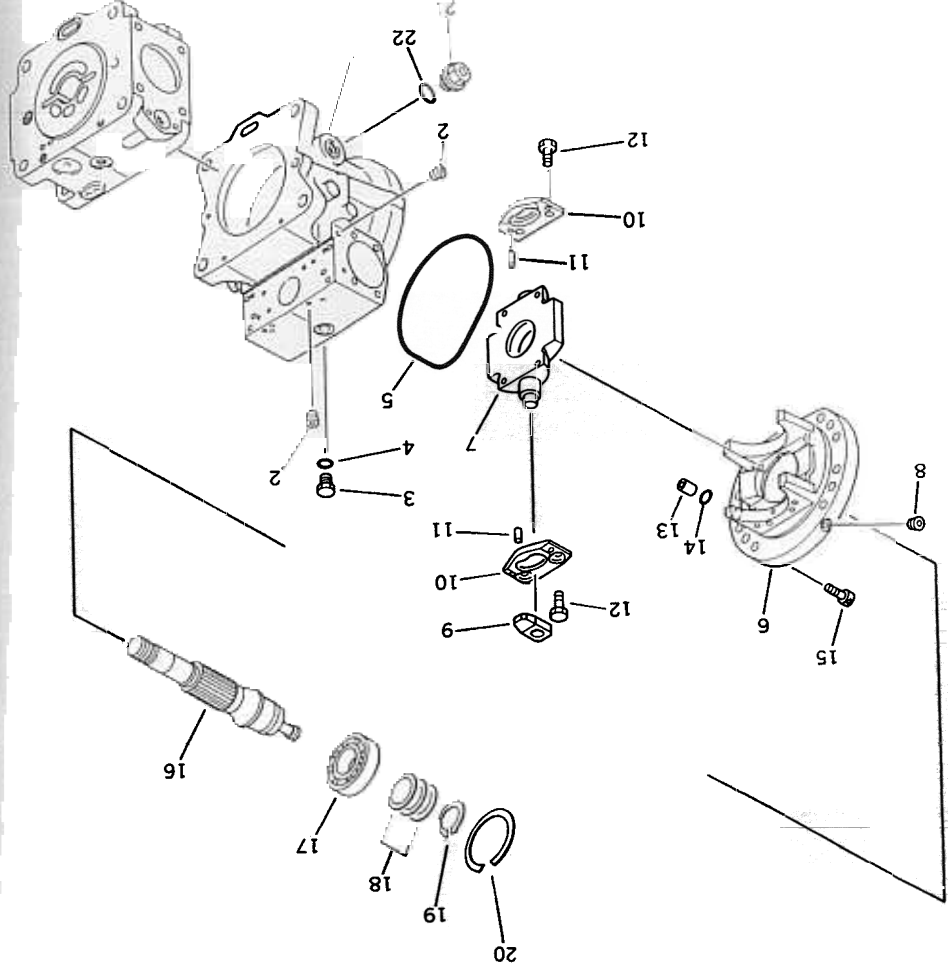
INDEX NO.	PART NO.	DESCRIPTION	QTY	SERIAL NO. PC180LC-3	SERIAL NO.
19	01010-31035	***BOLT.....	8	1001 -	
20	01843-31032	***WASHER.....	8	1001 -	

FIG. 6004 HYDRAULIC PUMP, END CAP



INDEX NO.	PART NO.	DESCRIPTION	QTY	SERIAL NO. PCT180LC-3	SERIAL NO.
	(708-25-02021)	HYDRAULIC PUMP ASS'Y (HPV71 + 71)	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6003.			
	(708-25-02120)	HYDRAULIC PUMP SUB ASS'Y	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6002 TO 6006, 6018, AND 6021.			
	(708-25-02220)	HYDRAULIC PUMP SUB ASS'Y	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6002 TO 6006.			
	(+ 708-25-00120)	END CAP ASS'Y	1	1001-	
	(+ 708-25-22511)	CAP, END	1	1001-	
	(+ 720-86-511B0)	PLUG	8	1001-	
	(+ 07000-02135)	O-RING	2	1001-	
	(+ 6130-21-1910)	JOINT	2	1001-	
	(+ 07000-12015)	O-RING	2	1001-	
	(+ 07000-11009)	O-RING	4	1001-	
	(+ 07000-03032)	O-RING	2	1001-	
	(+ 01140-81645)	STUD	8	1001-	
	(+ 01582-01613)	NUT	8	1001-	
	(+ 01643-31645)	WASHER	8	1001-	
	(+ 708-25-22730)	COUPLING	1	1001-	
	(+ 708-25-22740)	RING, SNAP	1	1001-	
	(+ 708-25-12740)	BEARING	2	1001-	

FIG. 6005 HYDRAULIC PUMP, REAR (1/2



PC180LC-3

PC180LC-3

INDEX NO.	PART NO.	DESCRIPTION	Q'TY	SERIAL NO.	PC180LC-3
	(708-25-02021)	HYDRAULIC PUMP ASS'Y (HPV71 + 71)	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.			
	(708-25-02120)	HYDRAULIC PUMP SUB ASS'Y	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6002 TO 6006, 6018, AND 6021.			
	(708-25-02220)	HYDRAULIC PUMP SUB ASS'Y	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6002 TO 6006.			
	1	CASE ASS'Y, REAR	1	1001-	
	1	CASE, REAR	1	1001-	
	2	PLUG	12	1001-	
	3	720-68-19870	1	1001-	
	4	07002-01223	1	1001-	
	5	(708-25-12340)	1	1001-	
	6	(708-25-00060)	1	1001-	
	6	(708-25-22321)	1	1001-	
	7	(708-25-23410)	1	1001-	
	8	(706-86-51180)	1	1001-	
	9	(708-25-14120)	1	1001-	
	10	(708-25-12360)	2	1001-	
	11	(04020-00820)	4	1001-	
	12	(01010-30816)	4	1001-	
	13	(708-23-12330)	1	1001-	
	14	(07000-12015)	1	1001-	
	15	(708-25-12350)	12	1001-	
	16	(708-25-22721)	1	1001-	
	17	(708-25-12731)	1	1001-	
	18	(708-25-05010)	1	1001-	
	19	(708-25-12760)	1	1001-	
	20	(708-25-12770)	1	1001-	
	21	(708-25-12780)	1	1001-	
	22	(708-25-12970)	1	1001-	
	07044-02412	PLUG	1	1001-	

FIG NO. 6005

SERIAL NO.

PC180LC-3

Q'TY

DESCRIPTION

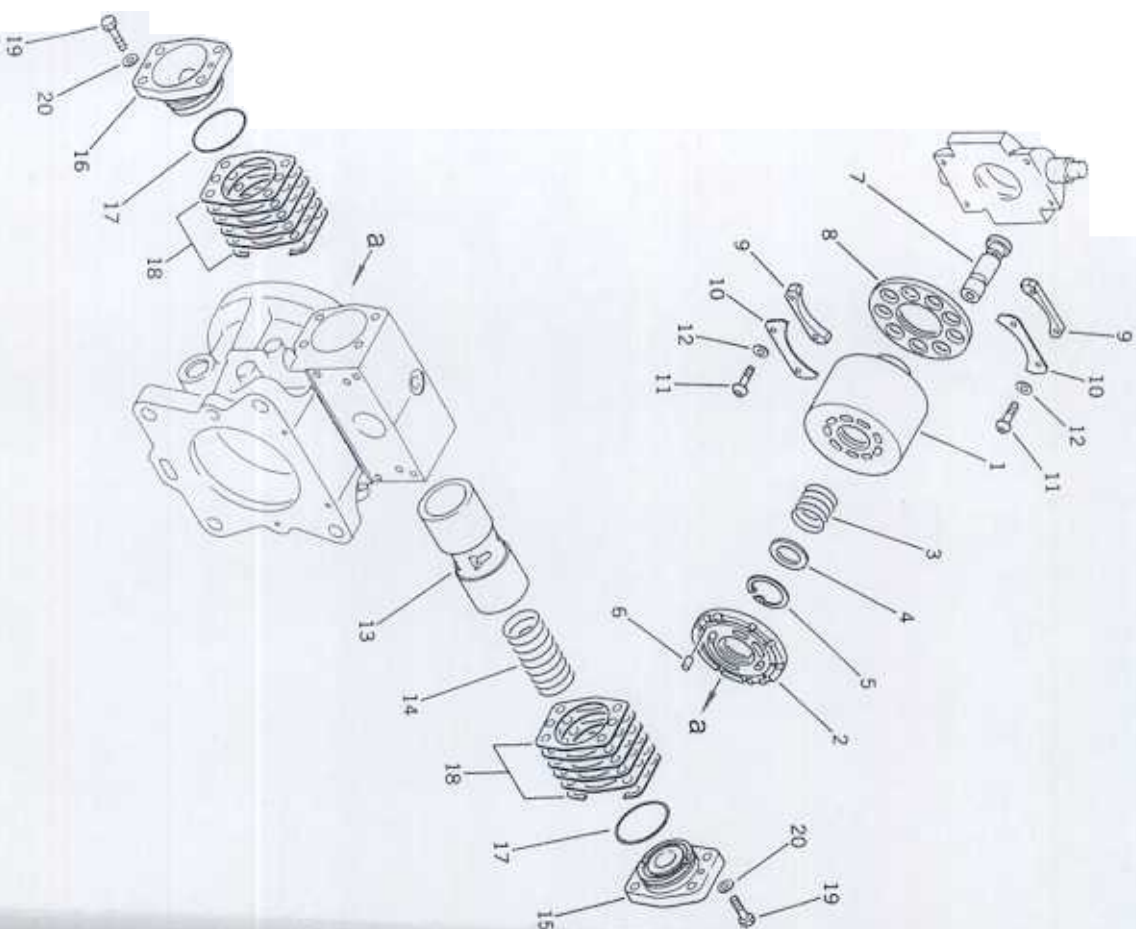
PART NO.

INDEX NO.

INDEX NO.	PART NO.	DESCRIPTION	QTY	SERIAL NO. PC180LC-3	SERIAL NO.
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22	07002-02434	***O-RING	1	1001-	
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FIG. 6006 HYDRAULIC PUMP, REAR (2/2)



INDEX NO.	PART NO.	DESCRIPTION	QTY	SERIAL NO. PC180LC-3	SERIAL NO.
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(708-25-02021)

HYDRAULIC PUMP ASSY (HPV71 + 71)
THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6002.

1

1001-

(708-25-02120)

HYDRAULIC PUMP SUB ASSY
THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6002 TO 6006, 6018, AND 6021.

1

1001-

(708-25-02220)

HYDRAULIC PUMP SUB ASSY
THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6002 TO 6006.

1

1001-

(708-25-00020)

BLOCK ASSY
BLOCK CYLINDER
PLATE VALVE
SPRING
WASHER
RING SNAP
PIN
PISTON SUB ASSY
RETAINER SHOE
SPACER KIT
SPACER, 11.57MM
SPACER, 11.540MM
SPACER, 11.560MM
RETAINER BEARING
SCREW
WASHER
PISTON
SPRING
CAP
CAP
O-RING
SHIM KIT
SHIM, 0.10MM
SHIM, 0.10MM
SHIM, 0.20MM
SHIM, 0.50MM

1

1001-

(708-25-13151)

1

1001-

(708-25-13220)

1

1001-

(708-25-13130)

1

1001-

(708-25-13120)

1

1001-

(708-25-13140)

1

1001-

(720-58-19810)

1

1001-

(708-25-13311)

9

1001-

(708-25-13422)

1

1001-

(708-25-05080)

2

1001-

(708-25-13511)

1

1001-

(708-25-13441)

2

1001-

(708-25-14130)

1

1001-

INDEX NO.	PART NO.	DESCRIPTION	Q'TY	SERIAL NO. PC180LC-3	SERIAL NO.
19	01016-31035	***BOLT	8	1001 -	
20	01643-31032	***WASHER	8	1001 -	

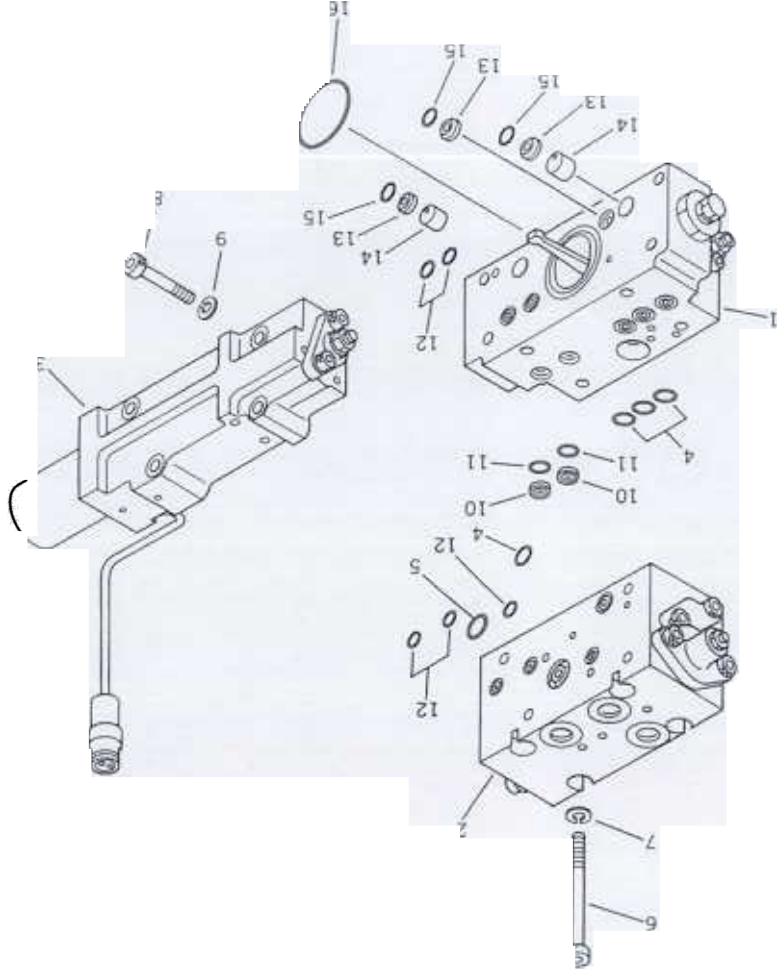


FIG. 6011 SERVO VALVE, FRONT (1/2)

INDEX NO.	PART NO.	DESCRIPTION	Q.TY	SERIAL NO. PC180LC-3	SERIAL NO.
	(708-25-02021)	HYDRAULIC PUMP ASS'Y (HPV71 + 71)	1001		
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.			
	708-25-07170	SERVO VALVE ASS'Y, FRONT	1001		
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS. 6011 TO 6014.			
1	(708-25-25200)	SERVO VALVE SUB ASS'Y, FRONT	1001		
2	(708-25-07570)	CO AND NC VALVE ASS'Y	1001		
3	(708-25-28100)	T.V.C. VALVE ASS'Y	1001		
4	07000-02011	O-RING	4	1001	
5	07000-02018	O-RING	1	1001	
6	708-25-19160	BOLT	4	1001	
7	01602-20825	WASHER, SPRING	4	1001	
8	01252-30850	BOLT	4	1001	
9	708-25-19130	WASHER, SPRING	4	1001	
10	720-68-11920	FILTER	2	1001	
11	07000-12010	O-RING	2	1001	
12	07000-11009	O-RING	5	1001	
13	720-68-11920	FILTER	3	1001	
14	708-25-19150	ORIFICE	2	1001	
15	07000-12010	O-RING	3	1001	
16	07000-03048	O-RING	1001		

FIG NO. 6011

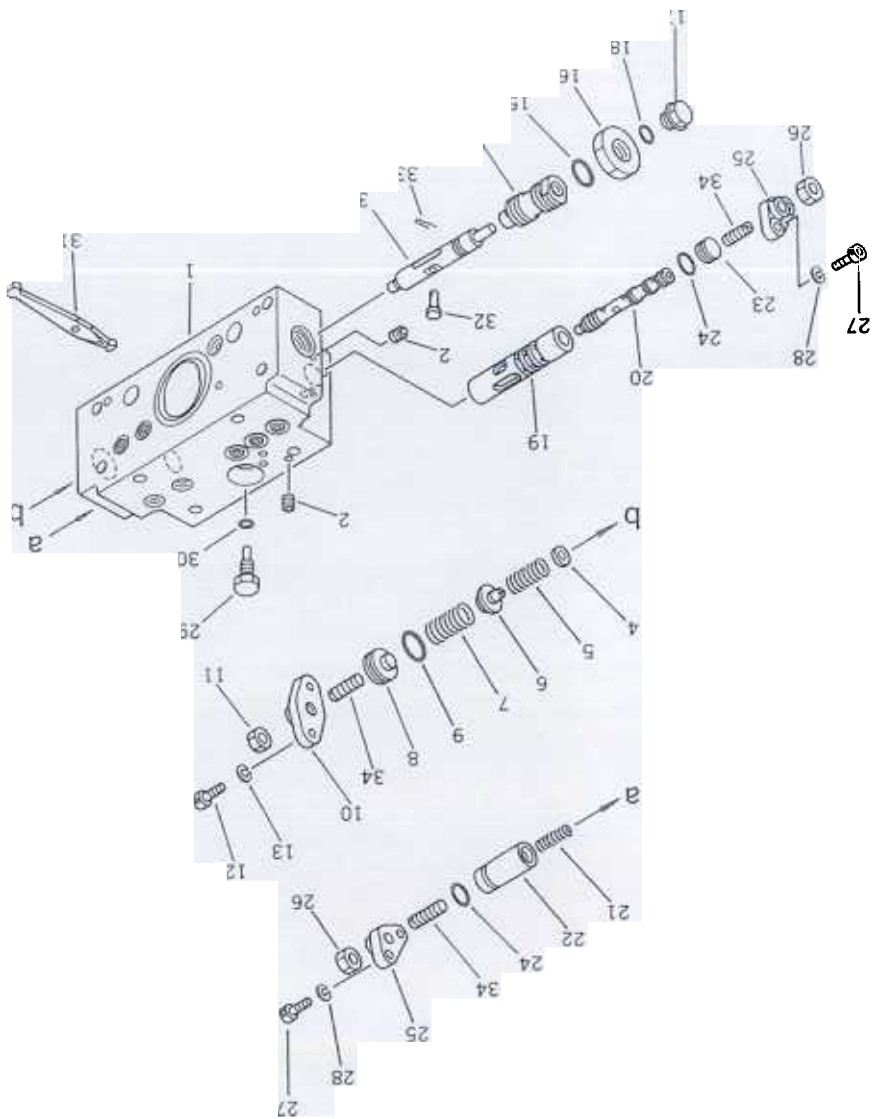


FIG. 6012 SERVO VALVE, FRONT (2/2)

INDEX NO.	PART NO.	DESCRIPTION	Q'TY	SERIAL NO.	SERIAL NO.
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1001-	1	HYDRAULIC PUMP ASS'Y (HPV71 + 71)	1	1001-
THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.				
1001-	1	SERVO VALVE ASS'Y, FRONT	1	1001-
THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS. 6011 TO 6014.				
1001-	1	SERVO VALVE SUB ASS'Y, FRONT	1	1001-
1001-	1	BODY ASS'Y	1	1001-
1001-	1	BODY	1	1001-
1001-	1	PLUG	1	1001-
1001-	1	PISTON	1	1001-
1001-	1	SEAT	1	1001-
1001-	1	SPRING	1	1001-
1001-	1	SEAT	1	1001-
1001-	1	SPRING	1	1001-
1001-	1	PLUG	1	1001-
1001-	1	O-RING	1	1001-
1001-	1	COVER	1	1001-
1001-	1	NUT	1	1001-
1001-	1	BOLT	2	1001-
1001-	2	WASHER, SPRING	2	1001-
1001-	1	PLUG	1	1001-
1001-	1	O-RING	1	1001-
1001-	1	NUT	1	1001-
1001-	1	PLUG	1	1001-
1001-	1	O-RING	1	1001-
1001-	1	SPRING	1	1001-
1001-	1	SPACER	1	1001-
1001-	1	PLUG	1	1001-
1001-	2	O-RING	2	1001-
1001-	2	COVER	2	1001-
1001-	2	NUT	2	1001-
1001-	4	BOLT	4	1001-

FIG. NO. 0012

INDEX NO.	PART NO.	DESCRIPTION	QTY	SERIAL NO. PC180LC-3	SERIAL NO.
28	(# 01602-20619)	*** WASHER, SPRING.....	4	1001-	
29	(# 708-25-15260)	*** PLUG.....	1	1001-	
30	(# 07002-00823)	*** O-RING.....	1	1001-	
31	(# 708-25-15270)	*** ARM.....	1	1001-	
32	(# 04205-00514)	*** PIN.....	1	1001-	
33	(# 04050-01210)	*** PIN, COTTER.....	1	1001-	
34	(# 708-25-15340)	*** SCREW.....	3	1001-	

INDEX NO.	PART NO.	DESCRIPTION	Q'TY	SERIAL NO.
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1001-	(708-25-02021)	HYDRAULIC PUMP ASS'Y (HPV71 + 71)	1	1001-
1001-	(708-25-07170)	SERVO VALVE ASS'Y, FRONT	1	1001-
THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.				
THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6011 TO 6014.				
1001-	708-25-07570	CO AND NC VALVE ASS'Y	1	1001-
1001-	(*708-23-07042)	BODY ASS'Y	1	1001-
1001-	(*708-25-17111)	BODY	1	1001-
1001-	2 (*708-25-15350)	PLUG	15	1001-
1001-	3 (*708-25-15420)	PLUG	1	1001-
1001-	4 (*7000-02010)	O-RING	1	1001-
1001-	5 (*708-25-17131)	COVER	1	1001-
1001-	6 (*01580-10806)	NUT	1	1001-
1001-	7 (*708-25-17140)	SPOOL	2	1001-
1001-	8 (*708-25-17150)	SLEEVE	1	1001-
1001-	9 (*708-25-17160)	PISTON	1	1001-
1001-	10 (*708-25-17170)	COVER	1	1001-
1001-	11 (*07000-02014)	O-RING	1	1001-
1001-	12 (*708-25-17180)	SEAT	1	1001-
1001-	13 (*708-25-17190)	SPRING	1	1001-
1001-	14 (*708-25-17210)	SLEEVE	1	1001-
1001-	15 (*708-25-17220)	PISTON	1	1001-
1001-	16 (*07000-12012)	O-RING	1	1001-
1001-	17 (*07001-02012)	RING, BACK-UP	1	1001-
1001-	18 (*708-25-17370)	SEAT	1	1001-
1001-	19 (*708-25-17250)	SPRING	1	1001-
1001-	20 (*708-25-17260)	SEAT	1	1001-
1001-	21 (*708-25-17350)	COVER	1	1001-
1001-	22 (*07000-03028)	O-RING	1	1001-
1001-	23 (*708-25-17410)	PLUG	1	1001-
1001-	24 (*07000-01009)	O-RING	1	1001-
1001-	25 (*708-25-15320)	BOLT	2	1001-
1001-	26 (*01602-20619)	WASHER, SPRING	4	1001-
1001-	27 (*01580-10806)	NUT	1	1001-

FIG. 6013. CUT OFF AND NEGATIVE CONTROL VALVE, FRONT

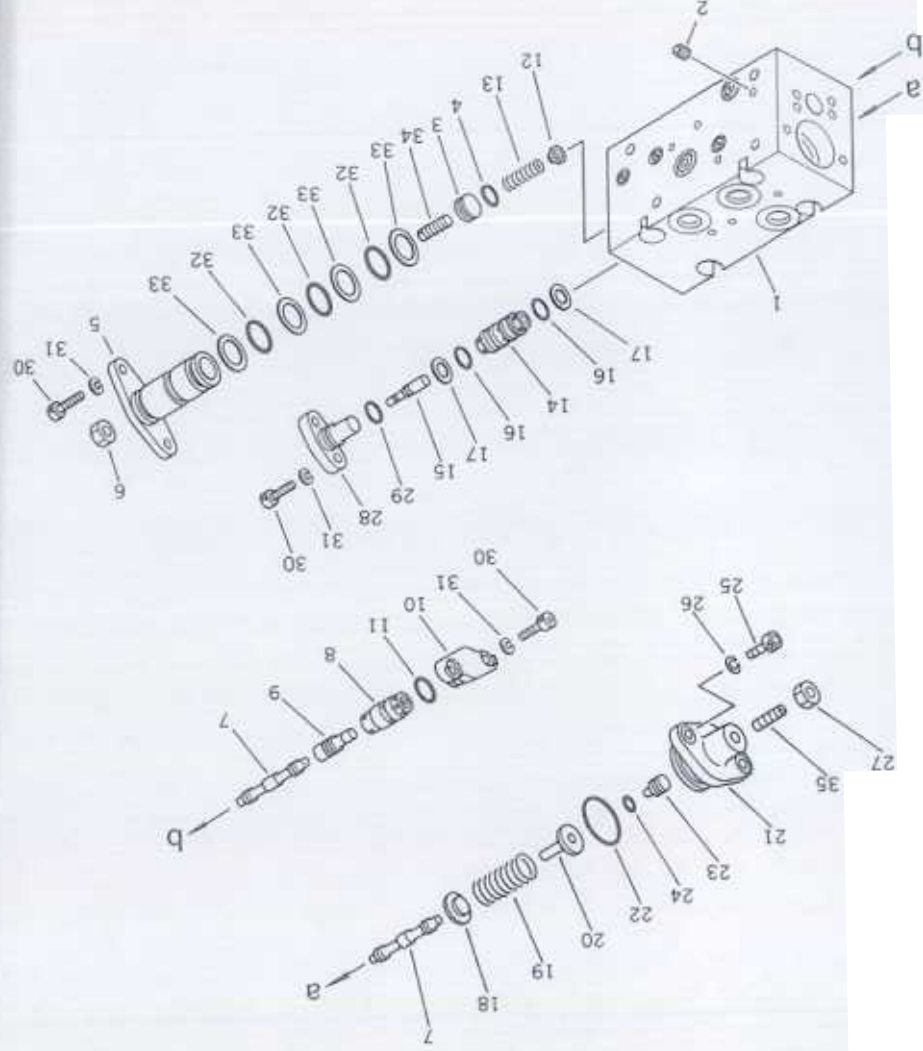
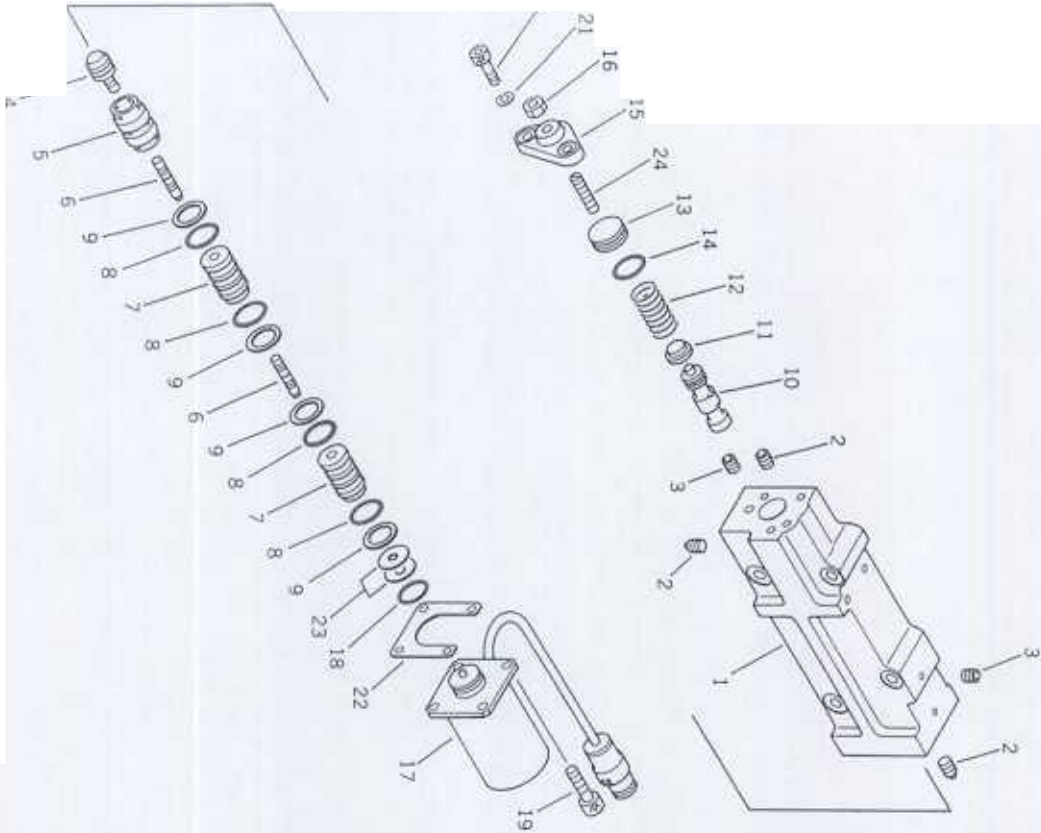


FIG NO. 6013

INDEX NO	PART NO.	DESCRIPTION	QTY	SERIAL NO. PC180LC-3	SERIAL NO.
28	(*708-25-17230)	***COVER	1	1001-	
29	(*07000-02012)	***O-RING	1	1001-	
30	(*01252-30616)	***BOLT	6	1001-	
31	(*01602-20619)	***WASHER SPRING	6	1001-	
32	(*07000-12021)	***O-RING	3	1001-	
33	(*07001-02021)	***RING, BACK-UP	4	1001-	
34	(*708-25-17430)	***SCREW	1	1001-	
35	(*708-25-15340)	***SCREW	1	1001-	

FIG. 6014 TORQUE VARIABLE CONTROL VALVE



INDEX NO.	PART NO.	DESCRIPTION	QTY	SERIAL NO. PC180LC-3	SERIAL NO.
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(708-25-02021) HYDRAULIC PUMP ASS'Y (REV 71 + 71) 1 1001-

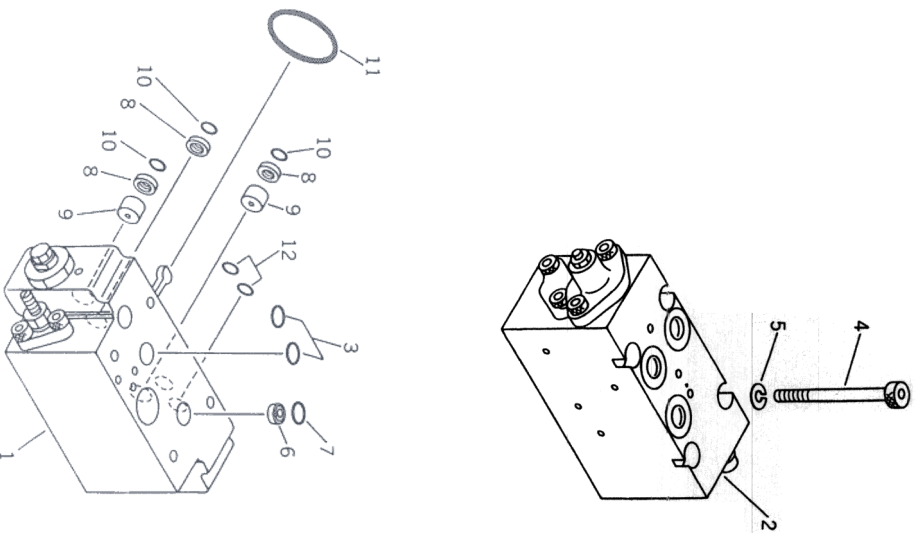
THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.

(708-25-07170) SERVO VALVE ASS'Y, FRONT 1 1001-

THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6011 TO 6014.

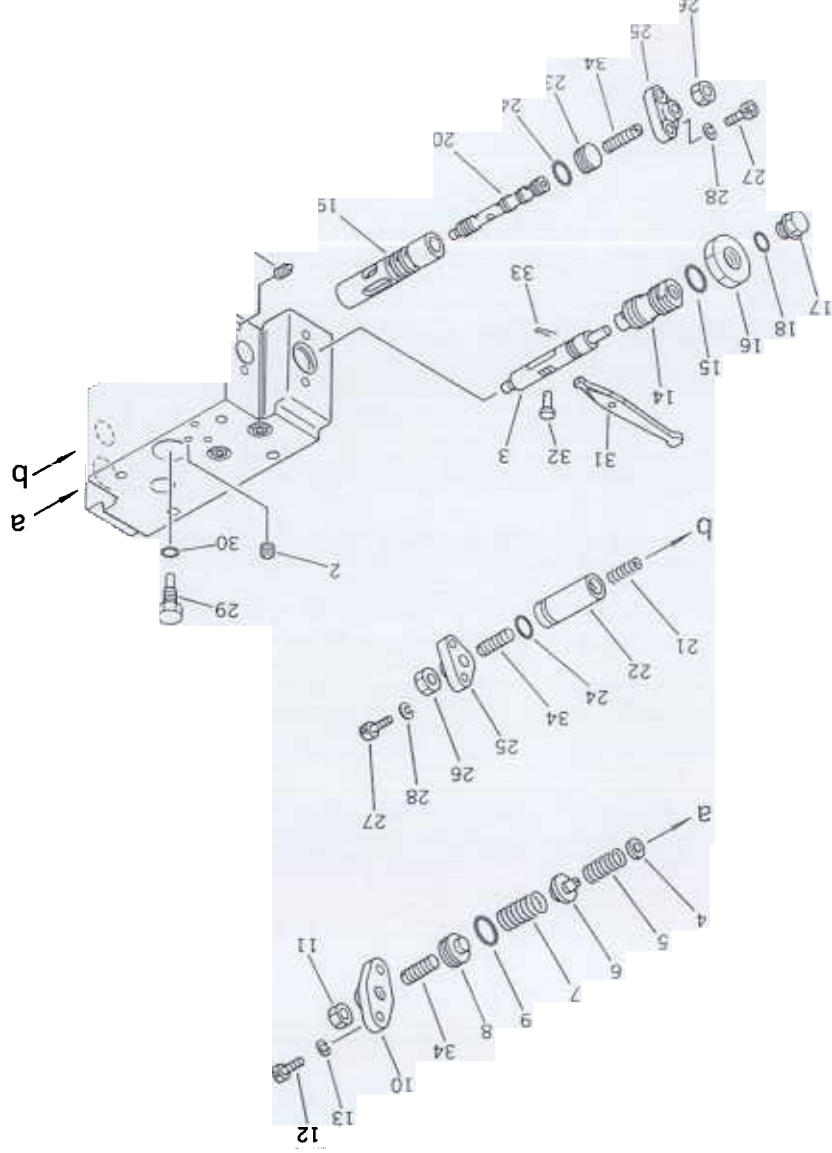
708-25-23100	** T.V.C. VALVE ASS'Y	1	1001-
1 (*708-23-07051)	*** BODY ASS'Y	1	1001-
1 (*708-23-18112)	*** BODY	1	1001-
2 (*720-88-19510)	*** PLUG	2	1001-
3 (*708-25-15360)	*** PLUG	12	1001-
4 (*708-23-18120)	*** PISTON	1	1001-
5 (*708-23-18130)	*** SLEEVE	1	1001-
6 (*708-23-18140)	*** PISTON	2	1001-
7 (*708-23-18150)	*** SLEEVE	2	1001-
8 (*07000-12016)	*** O-RING	4	1001-
9 (*07001-02016)	*** RING, BACK-UP	4	1001-
10 (*708-23-18161)	*** SPPOOL	1	1001-
11 (*708-23-18170)	*** SEAT	1	1001-
12 (*708-23-18181)	*** SPRING	1	1001-
13 (*708-23-15160)	*** PLUG	1	1001-
14 (*07000-02018)	*** O-RING	1	1001-
15 (*708-23-18210)	*** COVER	1	1001-
16 (*01580-10806)	*** NUT	1	1001-
17 708-23-18221	*** SOLENOID ASS'Y	1	1001-
18 07000-02016	*** O-RING	1	1001-
19 708-25-18250	*** BOLT	4	1001-
20 (*708-25-15320)	*** BOLT	2	1001-
21 (*01802-20619)	*** WASHER, SPRING	2	1001-
22 (*708-25-18571)	*** SHIM, 0.50MM	2	1001-
23 (*708-25-18580)	*** SHIM, 0.50MM	2	1001-
24 (*708-25-15340)	*** SCREW	1	1001-

FIG. 6015 SERVO VALVE, REAR (1/2)



INDEX NO.	PART NO.	DESCRIPTION	Q'TY	SERIAL NO. PC180LC-3	SERIAL NO.
	(708-25-02021)	HYDRAULIC PUMP ASS'Y (HPV71 + 71)	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.			
	708-25-07270	SERVO VALVE ASS'Y, REAR	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6015 TO 6017.			
1	(708-25-26200)	**SERVO VALVE ASS'Y, REAR	1	1001-	
2	(708-25-07670)	**CO AND NC VALVE ASS'Y	1	1001-	
3	07000-02011	**O-RING	2	1001-	
4	708-25-19160	**BOLT	4	1001-	
5	01602-20825	**WASHER SPRING	4	1001-	
6	720-68-11920	**FILTER	2	1001-	
7	07000-12010	**O-RING	2	1001-	
8	720-68-11920	**FILTER	3	1001-	
9	708-25-19150	**ORFICE	2	1001-	
10	07000-12010	**O-RING	3	1001-	
11	07000-03048	**O-RING	1	1001-	
12	07000-11009	**O-RING	2	1001-	

FIG. 6016 SERVO VALVE, REAR (2/2)



INDEX NO.	PART NO	DESCRIPTION	Q'TY	SERIAL NO. PC180LC-3	SERIAL NO.
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FIG NO. 6016

(708-25-02021) HYDRAULIC PUMP ASS'Y (HPV1 + 71)

THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.

(708-25-07270) SERVO VALVE ASS'Y, REAR

THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6015 TO 6017.

708-25-26200 SERVO VALVE SUB ASS'Y, REAR

1 (708-23-07021) BODY ASS'Y

1 (708-25-15110) BODY

5 (708-25-15350) PLUG

3 (708-25-15120) PISTON

4 (708-25-15130) SEAT

5 (708-25-25110) SPRING

6 (708-23-15120) SEAT

7 (708-23-15130) SPRING

8 (708-23-15160) PLUG

9 (708-25-15180) O-RING

10 (708-25-15150) COVER

11 (708-25-15150) NUT

12 (708-25-15320) BOLT

13 (708-25-15320) WASHER, SPRING

14 (708-25-15171) PLUG

15 (708-25-15171) O-RING

16 (708-25-15171) NUT

17 (708-25-15171) PLUG

18 (708-25-15171) O-RING

19 (708-25-15180) SLEEVE

20 (708-25-15280) SPOOL

21 (708-25-15310) SPRING

22 (708-25-15330) SPACER

23 (708-25-15430) PLUG

24 (708-25-15250) O-RING

25 (708-25-15250) COVER

26 (708-25-15250) NUT

27 (708-25-15320) BOLT

FIG NO. 6016

INDEX NO.	PART NO.	DESCRIPTION	QTY	SERIAL NO. PCT180LC-3	SERIAL NO.
28	(+01602-20619)	*** WASHER, SPRING	4	1001 -	
29	(+708-25-15260)	*** PLUG	1	1001 -	
30	(+07002-00923)	*** O-RING	1	1001 -	
31	(+708-25-15270)	*** ARM	1	1001 -	
32	(+04201-00514)	*** PIN	1	1001 -	
33	(+04050-01210)	*** PIN, COTTER	1	1001 -	
34	(+708-25-15340)	*** SCREW	3	1001 -	

PC180LC-3

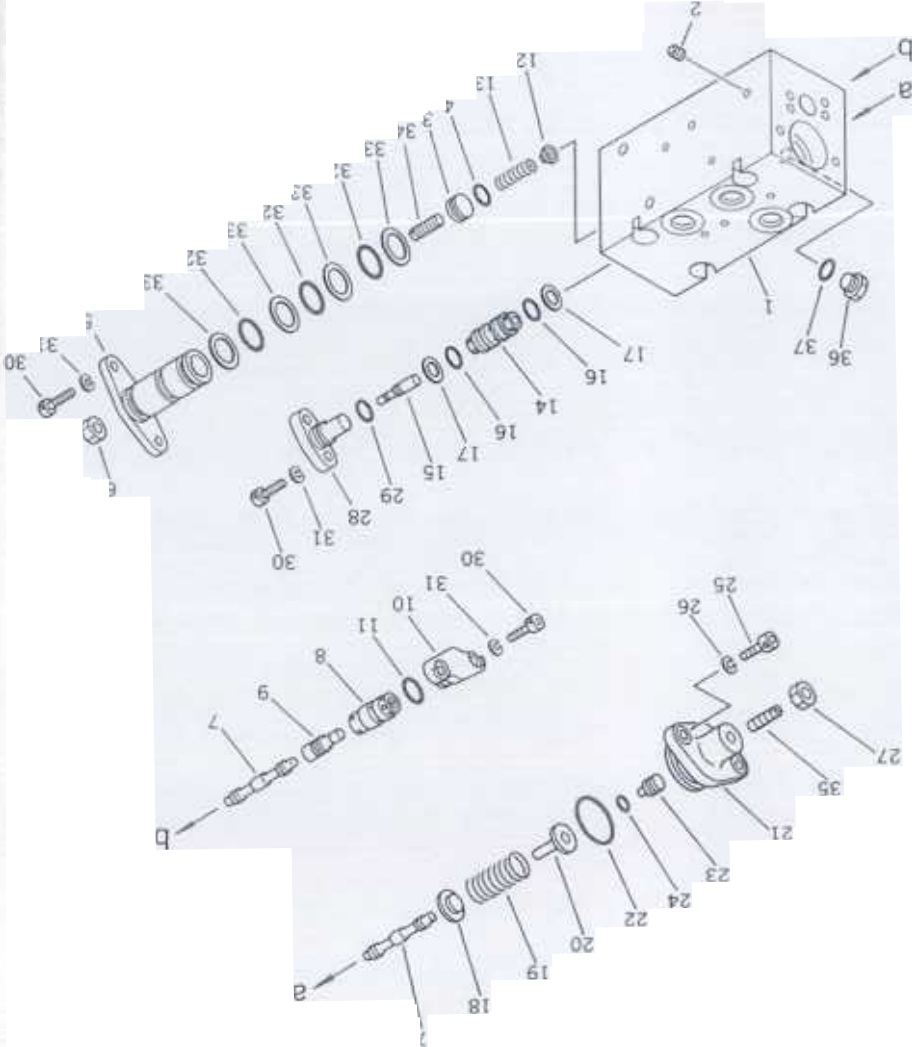


FIG. 6017 CUT OFF AND NEGATIVE CONTROL VALVE, REAR

PC180LC-3

INDEX NO.	PART NO.	DESCRIPTION	Q'TY	SERIAL NO. PC180LC-3	SERIAL NO.
	(708-25-02021)	HYDRAULIC PUMP ASS'Y (HPV71 +71)	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS 6001 TO 6021.			
	(708-25-07270)	SERVO VALVE ASS'Y, REAR	1	1001-	
		THIS ASSEMBLY CONSISTS OF ALL PARTS SHOWN IN FIGS. 6015 TO 6017.			
	708-25-07670	CO AND NC VALVE ASS'Y	1	1001-	
	1	BODY ASS'Y	1	1001-	
	1	BODY	1	1001-	
	2	PLUG	16	1001-	
	3	PLUG	1	1001-	
	4	O-RING	1	1001-	
	5	COVER	1	1001-	
	6	NUT	1	1001-	
	7	SPOOL	2	1001-	
	8	SLEEVE	1	1001-	
	9	PISTON	1	1001-	
	10	COVER	1	1001-	
	11	O-RING	1	1001-	
	12	SEAT	1	1001-	
	13	SPRING	1	1001-	
	14	SLEEVE	1	1001-	
	15	PISTON	1	1001-	
	16	O-RING	2	1001-	
	17	RING, BACK-UP	2	1001-	
	18	SEAT	1	1001-	
	19	SPRING	1	1001-	
	20	SEAT	1	1001-	
	21	COVER	1	1001-	
	22	O-RING	1	1001-	
	23	PLUG	1	1001-	
	24	O-RING	1	1001-	
	25	BOLT	2	1001-	
	26	WASHER, SPRING	4	1001-	
	27	NUT	1	1001-	

FIG NO. 6017

INDEX NO.	PART NO.	DESCRIPTION	QTY	SERIAL NO.	PC180LC-3	SERIAL NO.
28	(*708-25-17230)	... COVER	1	1001-		
29	(*07000-02012)	... O-RING	1	1001-		
30	(*708-25-15320)	... BOLT	6	1001-		
31	(*01602-20619)	... WASHER, SPRING	6	1001-		
32	(*07000-12021)	... O-RING	3	1001-		
33	(*07001-02021)	... RING, BACK-UP	4	1001-		
34	(*708-25-17430)	... SCREW	1	1001-		
35	(*708-25-15340)	... SCREW	1	1001-		
36	07040-11007	... PLUG	1	1001-		
37	07002-01023	... O-RING	1	1001-		