

CATERPILLAR 970F

7PL / XEBP7320

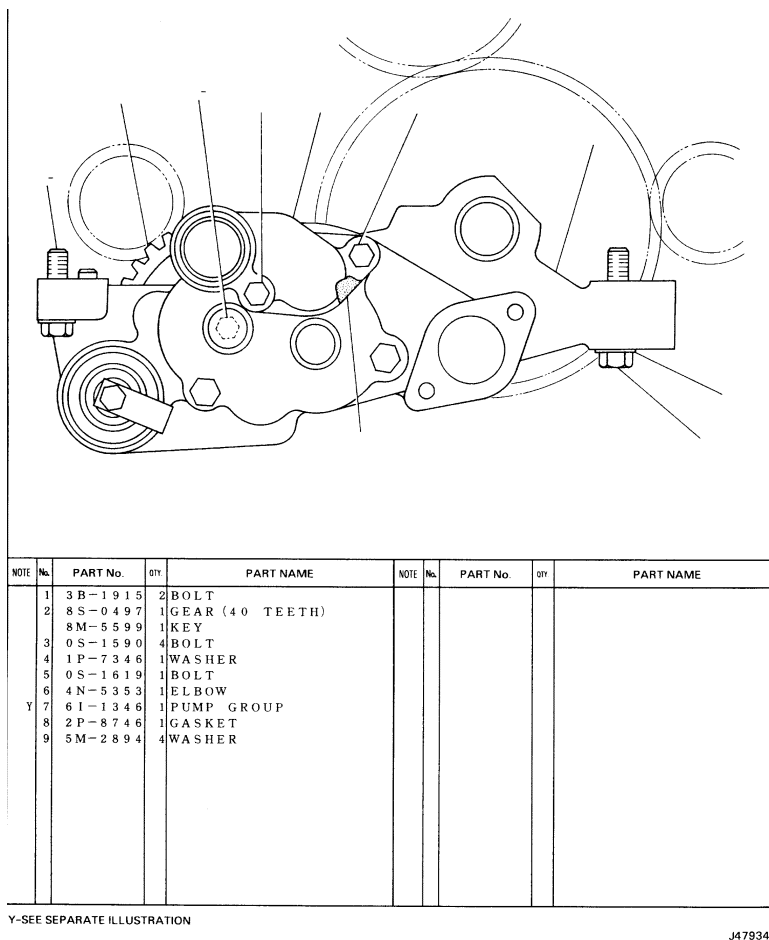
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2P-1784 PUMP GP-ENGINE OIL

ENGINE OIL PUMP (2P1784 N/S) 6I1346--Page 33

Drawing 1 of 1



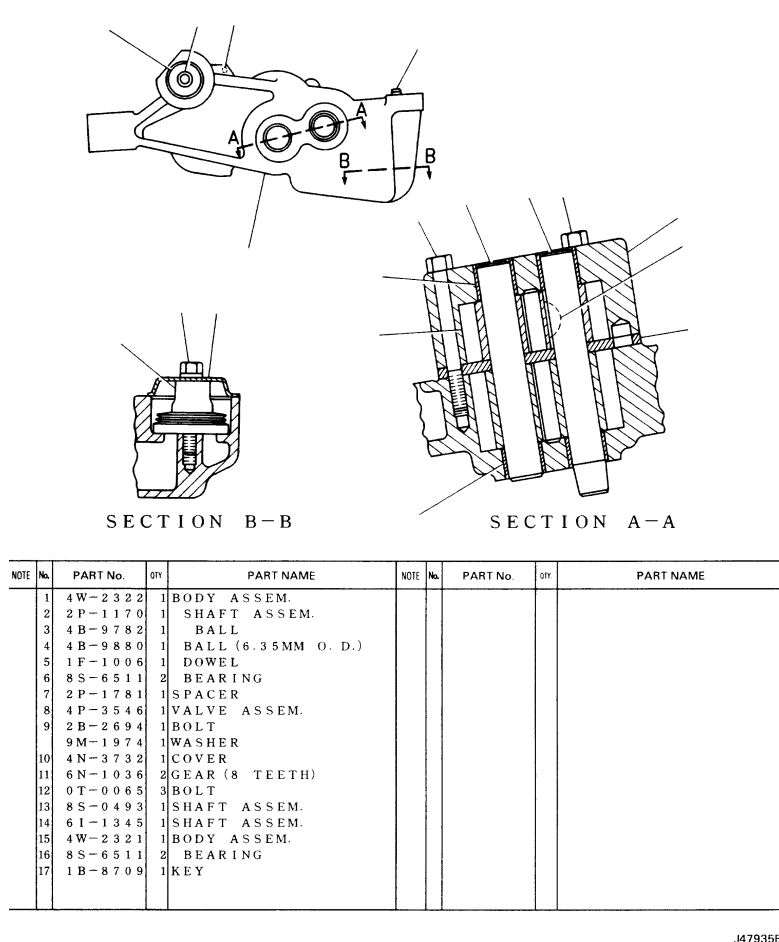
Ref.	Part number	Description	Qty	Code	Group page
1	3B-1915	BOLT	2		
2	8S-0497	GEAR (40 TEETH)	1		
	8M-5599	KEY	1		
3	0S-1590	BOLT	4		
4	1P-7346	WASHER	1		
5	0S-1619	BOLT	1		
6	4N-5353	ELBOW	1		
7	6I-1346	PUMP GROUP	1	RY	
8	2P-8746	GASKET	1		
9	5M-2894	WASHER	4		

CAT codes: R, Y.

6I-1346 PUMP GP-ENGINE OIL

6I1346 ENGINE OIL PUMP GROUP Part of 2P1784--Page 32

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	4W-2322	BODY ASSEM.	1		
2	2P-1170	SHAFT ASSEM.	1		
3	4B-9782	BALL	1		
4	4B-9880	BALL (6.35MM O. D.)	1		
5	1F-1006	DOWEL	1		
6	8S-6511	BEARING	2		
7	2P-1781	SPACER	1		
8	4P-3546	VALVE ASSEM.	1		
9	2B-2694	BOLT	1		
	9M-1974	WASHER	1		
10	4N-3732	COVER	1		
11	6N-1036	GEAR (8 TEETH)	2		
12	0T-0065	BOLT	3		
13	8S-0493	SHAFT ASSEM.	1		
14	6I-1345	SHAFT ASSEM.	1		

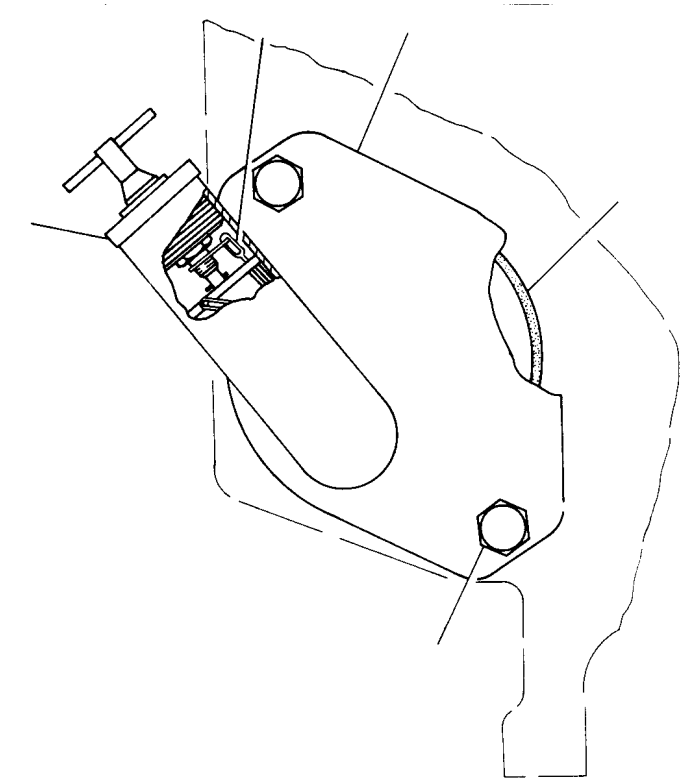
6I-1346 PUMP GP-ENGINE OIL (continued)

Ref.	Part number	Description	Qty	Code	Group page
15	4W-2321	BODY ASSEM.	1		
16	8S-6511	BEARING	2		
17	1B-8709	KEY	1		

8N-9703 FILLER GP-OIL

OIL FILLER (8N9703 N/S)

Drawing 1 of 1



NOTE	REF NO	PART NUMBER	QTY	PART NAME
	1	7S1803	1	CAP ASSEM.
	2	7S1801	1	ANCHOR
	3	1W4928	1	PIPE
	4	5F3106	1	SEAL
	5	S1566	2	BOLT

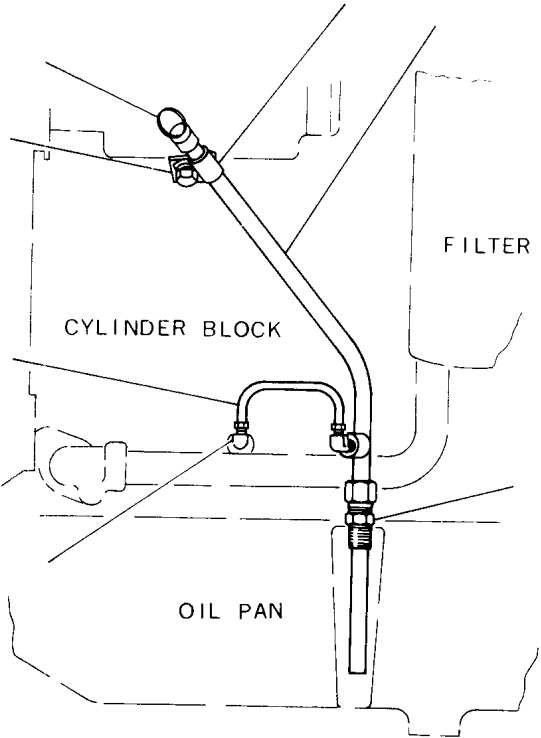
J40632E

Ref.	Part number	Description	Qty	Code	Group page
1	7S-1803	CAP ASSEM.	1		
2	7S-1801	ANCHOR	1		
3	1W-4928	PIPE	1		
4	5F-3106	SEAL	1		
5	OS-1566	BOLT	2		

1W-4320 GAUGE GP-OIL LEVEL (DIPSTICK)

OIL LEVEL GAUGE (1W4320 N/S) Engine Serial No. 10Z26700-10Z28276

Drawing 1 of 1



The diagram illustrates the installation of the oil level gauge. It shows the gauge assembly connected to the cylinder block, passing through the oil filter, and terminating in the oil pan. Labels include: CYLINDER BLOCK, FILTER, and OIL PAN.

NOTE	REF NO	PART NUMBER	QTY	PART NAME
	1	3Y8728	1	GAGE ASSEM. (FOR JAPAN)
		1W4321	1	GAGE ASSEM. (FOR OUTSIDE JAPAN)
	2	4B0418	1	CLIP
		S0509	1	BOLT
		1D4717	1	NUT
		5M2894	2	WASHER
	3	1W4323	1	TUBE ASSEM.
	4	1W4325	1	STRAP
	5	2P2697	1	TUBE ASSEM.
	6	5K9243	2	ELBOW
	7	8S1326	1	CONNECTOR ASSEM.

J40628E

Ref.	Part number	Description	Qty	Code	Group page
1	3Y-8728	GAGE ASSEM. (FOR JAPAN)	1		
	1W-4321	GAGE ASSEM.	1		
(FOR OUTSIDE JAPAN)					
2	4B-0418	CLIP	1		
	0S-0509	BOLT	1		
	1D-4717	NUT	1		
	5M-2894	WASHER	2		
3	1W-4323	TUBE ASSEM.	1		
4	1W-4325	STRAP	1		
5	2P-2697	TUBE ASSEM.	1		
6	5K-9243	ELBOW	2		
7	8S-1326	CONNECTOR ASSEM.	1		

111-8009 OIL LEVEL GAUGE

OIL LEVEL GAUGE (1118009 N/S) Engine Serial No. 10Z28277-UP

Drawing 1 of 1

LUBRICATION SYSTEM

The diagram illustrates the oil level gauge system. It shows the cylinder block at the top, with a gauge assembly connected to it. Below the cylinder block is the oil pan. A filter is located to the right of the cylinder block. Various tubes and components are shown connecting these parts, including a tube assembly, a bracket, a tube assembly, an elbow, a connector assembly, bolts, nuts, and washers. The diagram is labeled with 'CYLINDER BLOCK', 'OIL PAN', and 'FILTER'.

NOTE	No.	PART No.	QTY.	PART NAME
	1	3 Y-8 7 2 8	1	GAGE ASSEM. (FOR JAPAN)
		1 W-4 3 2 1	1	GAGE ASSEM. (FOR OUTSIDE JAPAN)
	2	4 B-0 4 1 8	1	CLIP
	3	1 W-4 3 2 3	1	TUBE ASSEM.
	4	1 1 1-8 0 0 8	1	BRACKET
	5	2 P-2 6 9 7	1	TUBE ASSEM.
	6	5 K-9 2 4 3	2	ELBOW
	7	8 S-1 3 2 6	1	CONNECTOR ASSEM.
	8	0 S-0 5 0 9	2	BOLT
	9	9 S-8 7 5 2	1	NUT
	10	5 M-2 8 9 4	3	WASHER

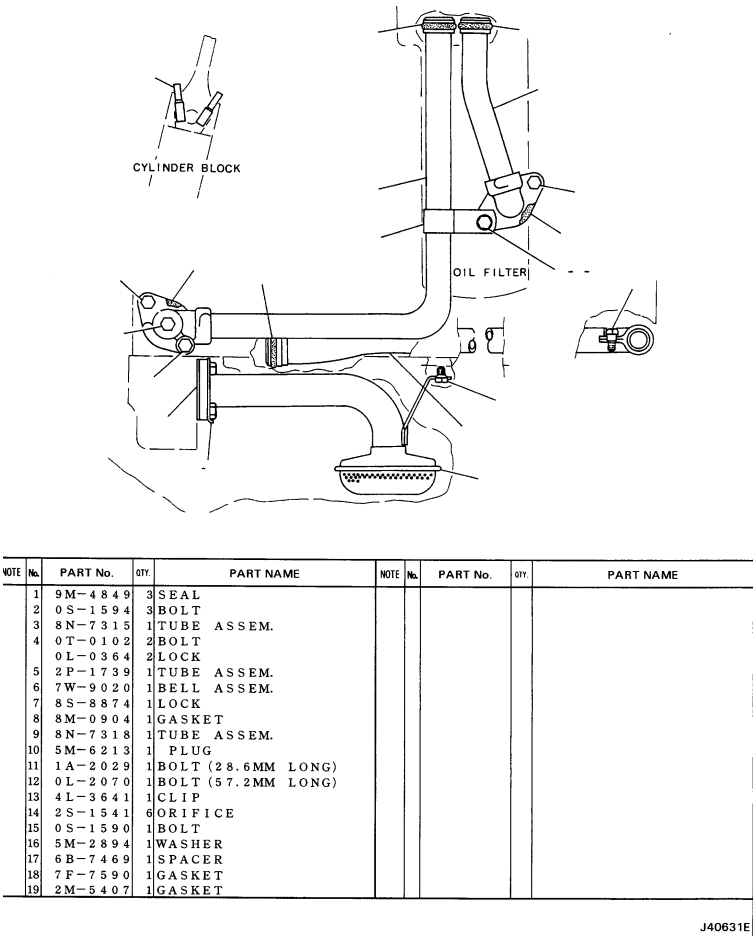
J52695E

Ref.	Part number	Description	Qty	Code	Group page
1	3Y-8728	GAGE ASSEM.	1		
		(FOR JAPAN)			
	1W-4321	GAGE ASSEM.	1		
		(FOR OUTSIDE JAPAN)			
2	4B-0418	CLIP	1		
3	1W-4323	TUBE ASSEM.	1		
4	111-8008	BRACKET	1		
5	2P-2697	TUBE ASSEM.	1		
6	5K-9243	ELBOW	2		
7	8S-1326	CONNECTOR ASSEM.	1		
8	0S-0509	BOLT	2		
9	9S-8752	NUT	1		
10	5M-2894	WASHER	3		

2P-6105 LINES GP-ENGINE OIL

ENGINE OIL LINES (2P6105 N/S)

Drawing 1 of 1



J40631E

Ref.	Part number	Description	Qty	Code	Group page
1	9M-4849	SEAL	3		
2	0S-1594	BOLT	3		
3	8N-7315	TUBE ASSEM.	1		
4	0T-0102	BOLT	2		
	0L-0364	LOCK	2		
5	2P-1739	TUBE ASSEM.	1		
6	7W-9020	BELL ASSEM.	1		
7	8S-8874	LOCK	1		
8	8M-0904	GASKET	1		
9	8N-7318	TUBE ASSEM.	1		
10	5M-6213	PLUG	1		
11	1A-2029	BOLT (28.6MM LONG)	1		
12	0L-2070	BOLT (57.2MM LONG)	1		
13	4L-3641	CLIP	1		
14	2S-1541	ORIFICE	6		

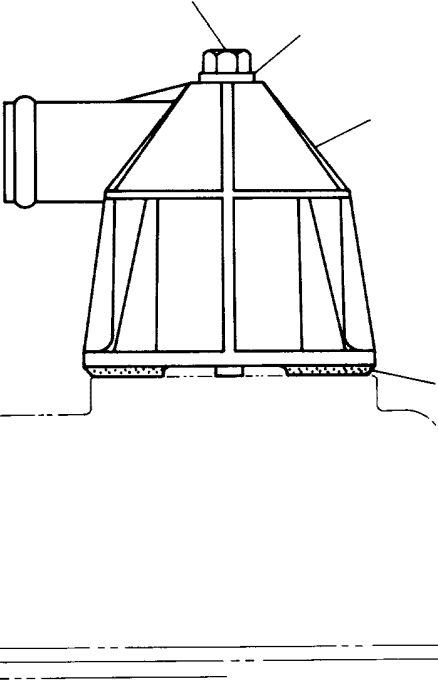
2P-6105 LINES GP-ENGINE OIL (continued)

Ref.	Part number	Description	Qty	Code	Group page
15	0S-1590	BOLT	1		
16	5M-2894	WASHER	1		
17	6B-7469	SPACER	1		
18	7F-7590	GASKET	1		
19	2M-5407	GASKET	1		

1P-4244 BREATHER GP

BREATHER (1P4244 N/S)

Drawing 1 of 1



NOTE	REF NO	PART NUMBER	QTY	PART NAME
	1	3H3243	1	BOLT
	2	9N0869	1	WASHER
	3	2W9162	1	BREATHER ASSEM.
	4	4L9564	1	SEAL

J37127E

Ref.	Part number	Description	Qty	Code	Group page
1	3H-3243	BOLT (121mm LONG)	1		
2	9N-0869	WASHER	1		
3	2W-9162	BREATHER ASSEM.	1		
4	4L-9564	SEAL	1		

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