

CATERPILLAR 963

29S / XMBP9882

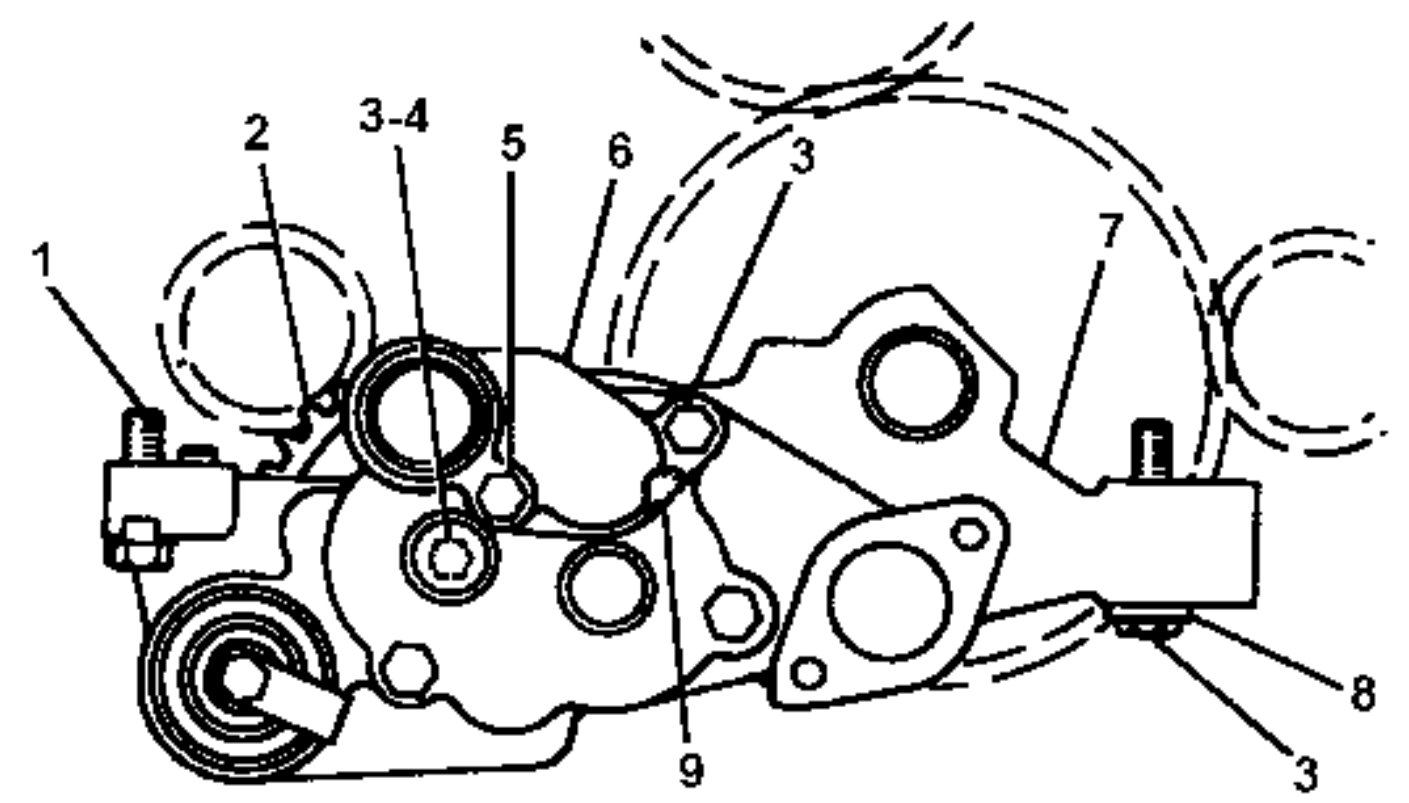
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2P-1784 PUMP GP-ENGINE OIL

ENGINE OIL PUMP (2P1784 N/S) 4W2448 Gear Pump parts are shown on Page 30

Drawing 1 of 1



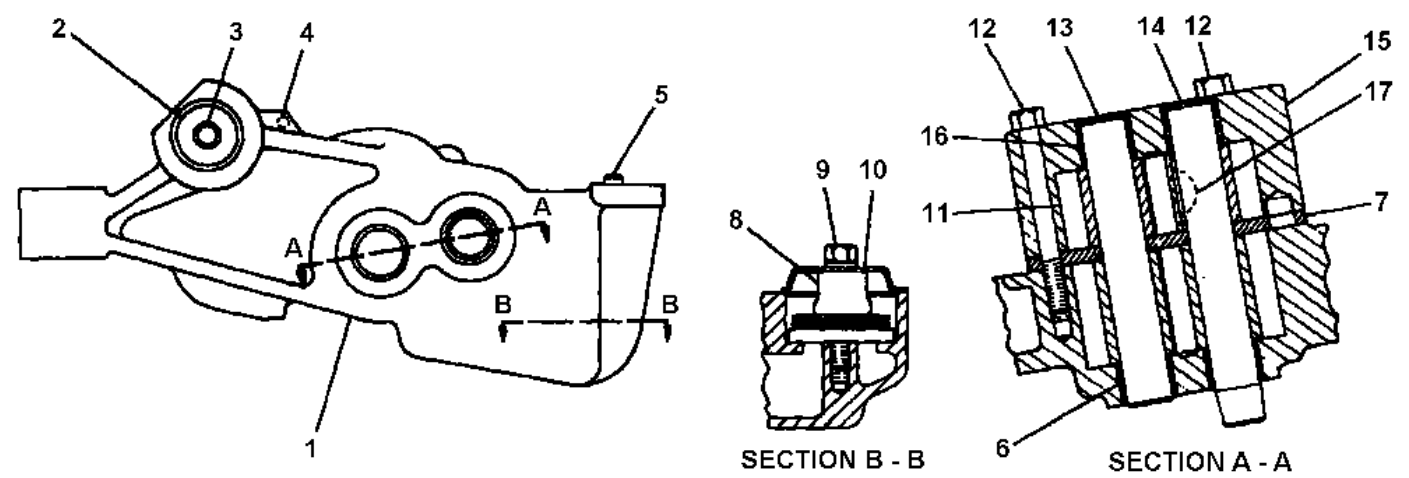
Ref.	Part number	Description	Qty	Code	Group page
1	3B-1915	BOLT	2		
	8M-7587	LOCK	2		
2	8S-0497	GEAR (40 Teeth)	1		
	8M-5599	KEY	1		
3	0S-1590	BOLT	4		
4	1P-7346	WASHER	1		
5	0S-1619	BOLT	1		
6	4N-5353	ELBOW	1		
7	4W-2448	PUMP GROUP	1	RY	
(See Separate Illustration)					
8	0T-0329	LOCK	1		
9	2P-8746	GASKET	1		

CAT codes: R, Y.

4W-2448 PUMP GP-ENGINE OIL

4W2448 GEAR PUMP GROUP Part of Engine Oil Pump

Drawing 1 of 1

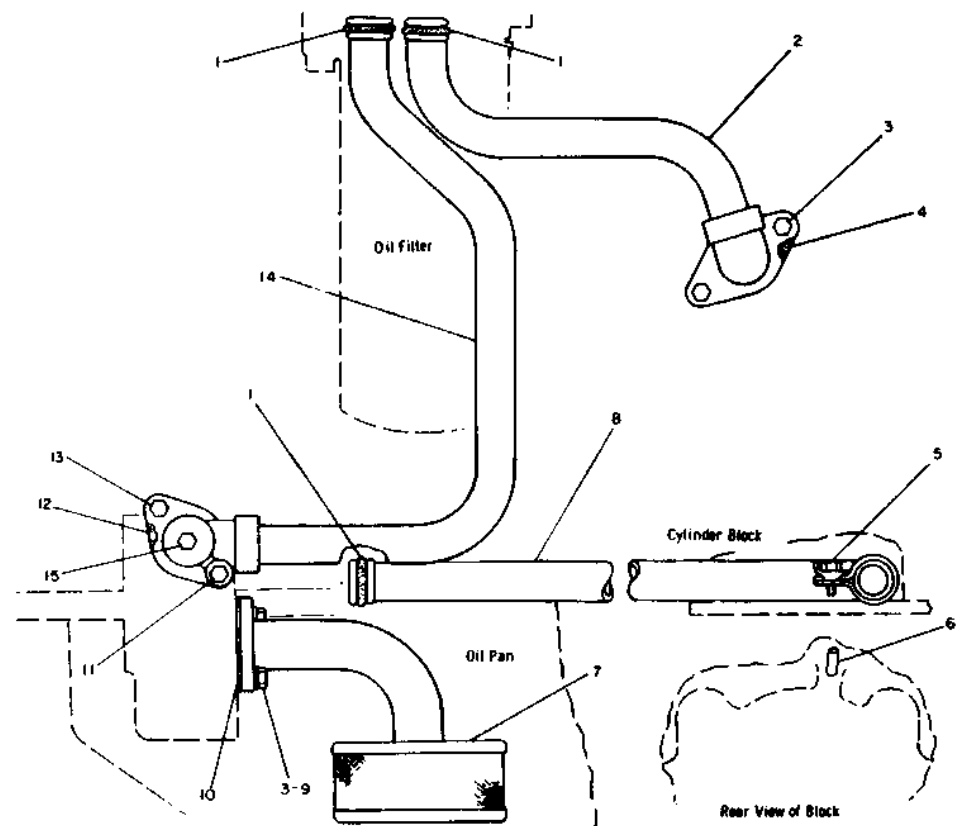


Ref.	Part number	Description	Qty	Code	Group page
1	4W-2322	BODY ASSEM.	1		
2	2P-1170	SHAFT ASSEM.	1		
3	4B-9782	BALL	1		
4	4B-9880	BALL	1		
5	1F-1006	DOWEL	1		
6	8S-6511	BEARING	2		
7	2P-1781	SPACER	1		
8	4N-8385	VALVE ASSEM.	1		
9	2B-2694	BOLT	1		
	9M-1974	WASHER	1		
10	4N-3732	COVER	1		
11	6N-1036	GEAR (8 TEETH)	2		
12	0T-0065	BOLT	3		
13	8S-0493	SHAFT ASSEM.	1		
14	2P-6245	SHAFT ASSEM.	1		
15	4W-2321	BODY ASSEM.	1		
16	8S-6511	BEARING	2		
17	1B-8709	KEY	1		

7N-1719 LINES GP-ENGINE OIL

ENGINE OIL LINES (7N1719 N/S)

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	9M4849	SEAL	3
2	7N2365	TUBE ASSEM.	1
3	S1594	BOLT	4
4	7F7590	GASKET	1
5	4F29	BOLT	1
	L364	LOCK	1
6	2S1541	ORIFICE	4
7	2P1776	BELL ASSEM.	1
8	2P744	TUBE ASSEM.	1
9	8S8874	LOCK	1
10	8M904	GASKET	1
11	L2070	BOLT	1
12	2M5407	GASKET	1
13	1A2029	BOLT	1
14	1N4789	TUBE ASSEM.	1
15	5M6213	PLUG	1

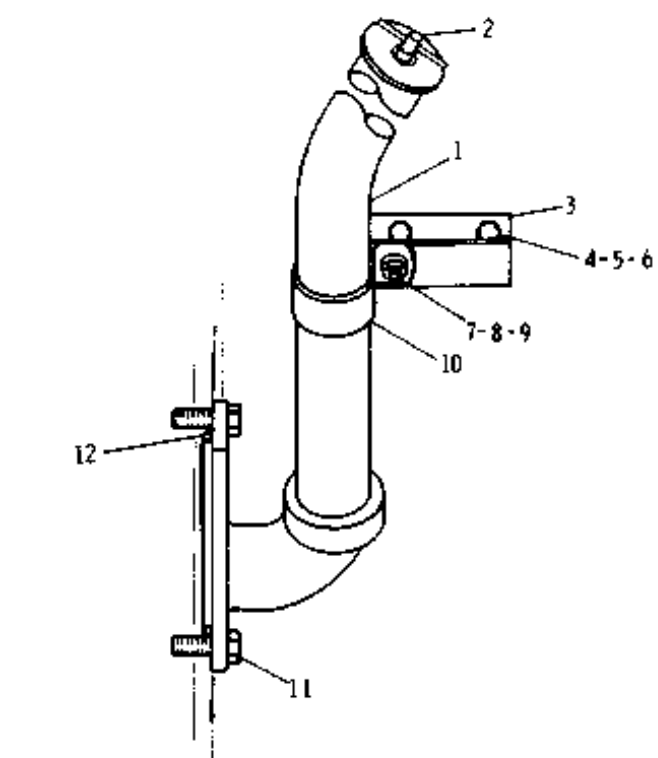
J21559E

Ref.	Part number	Description	Qty	Code	Group page
1	9M-4849	SEAL	3		
2	7N-2365	TUBE ASSEM.	1		
3	0S-1594	BOLT	4		
4	7F-7590	GASKET	1		
5	4F-0029	BOLT	1		
	0L-0364	LOCK	1		
6	2S-1541	ORIFICE	4		
7	2P-1776	BELL ASSEM.	1		
8	2P-0744	TUBE ASSEM	1		
9	8S-8874	LOCK	1		
10	8M-0904	GASKET	1		
11	0L-2070	BOLT	1		
12	2M-5407	GASKET	1		
13	1A-2029	BOLT	1		
14	1N-4789	TUBE ASSEM	1		
15	5M-6213	PLUG	1		

7N-1620 FILLER GP-OIL

OIL FILLER (7N1620 N/S)

Drawing 1 of 1



NO.	PART NO. 部品番号	QTY. 数量	DESCRIPTION 名称および記号
C 1	4W259	1	TUBE ASSEM.
2	2W6225	1	CAP ASSEM.
C 3	4W256	1	BRACKET
4	684185	2	SLEEVE
5	1B9575	2	BOLT
6	9M1974	2	WASHER
C 7	L1351	1	BOLT
C 8	1D4717	1	NUT
C 9	5M2894	2	WASHER
C 10	1S2067	1	CLIP
11	S1566	2	BOLT
12	5F3106	1	SEAL

C INDICATES CHANGE

J30471E

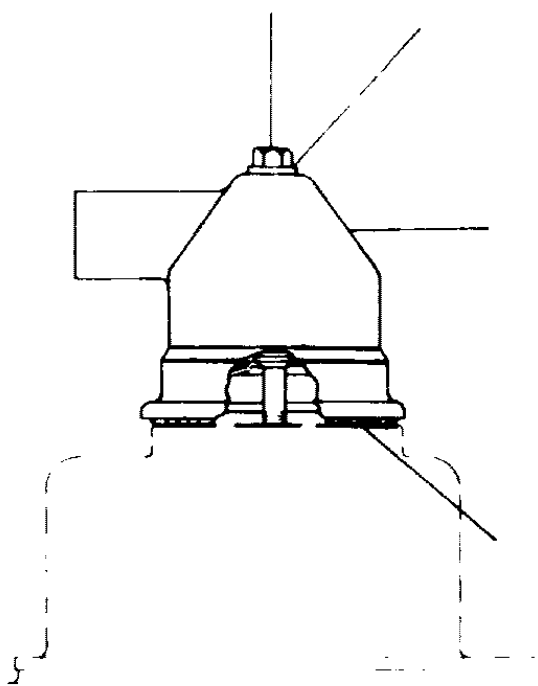
Ref.	Part number	Description	Qty	Code	Group page
1	4W-0259	TUBE ASSEM.	1	C	
2	2W-6225	CAP ASSEM.	1		
3	4W-0256	BRACKET	1	C	
4	068-4185	SLEEVE	2		
5	1B-9575	BOLT	2		
6	9M-1974	WASHER	2		
7	0L-1351	BOLT	1	C	
8	1D-4717	NUT	1	C	
9	5M-2894	WASHER	2	C	
10	1S-2067	CLIP	1	C	
11	0S-1566	BOLT	2		
12	5F-3106	SEAL	1		

CAT codes: C.

1P-4244 BREATHER GP

BREATHER (1P4244 N/S)

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3H3243	BOLT-----	1
2	4K9890	WASHER-----	1
3	8S248	BREATHER ASSEM. -----	1
4	4L9564	SEAL-----	1

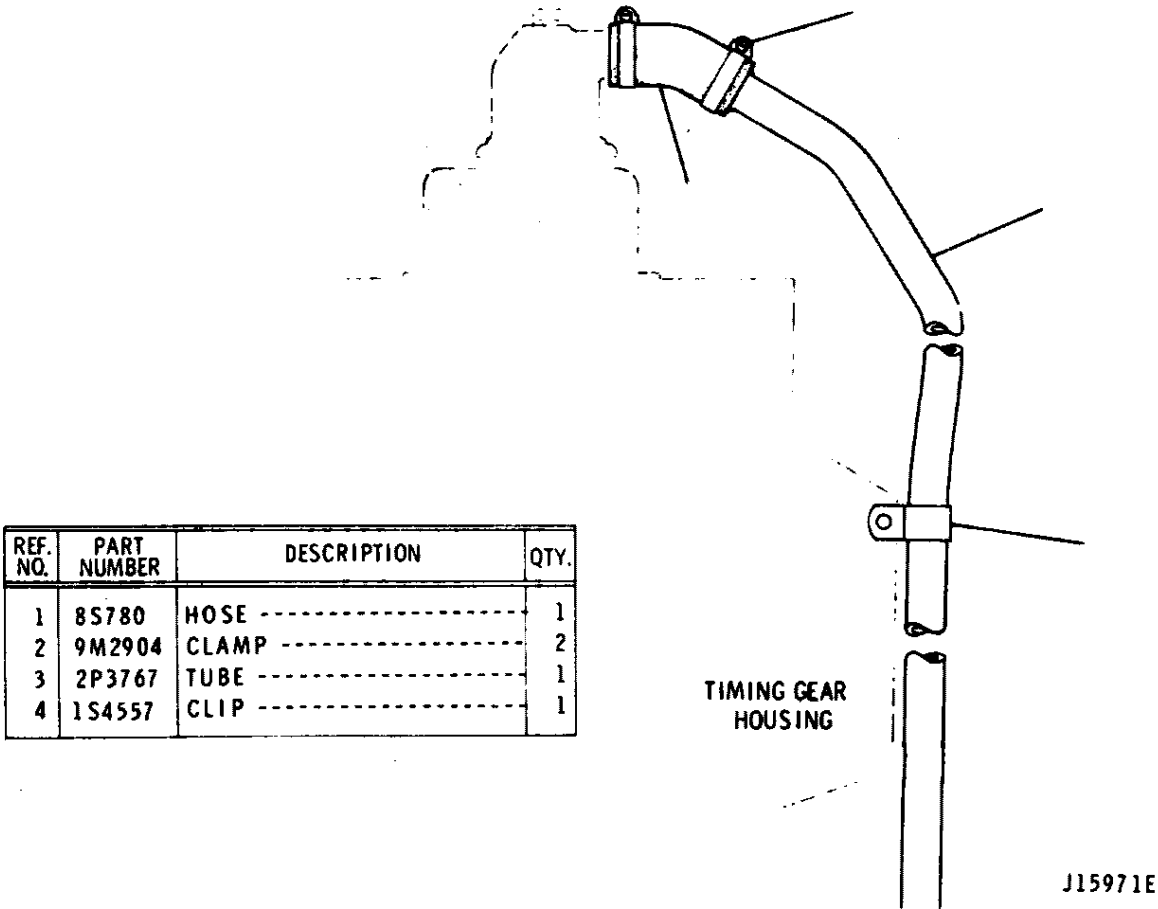
J25469E

Ref.	Part number	Description	Qty	Code	Group page
1	3H-3243	BOLT	1		
2	4K-9890	WASHER	1		
3	8S-0248	BREATHER ASSEM.	1		
4	4L-9564	SEAL	1		

3N-3392 FUMES DISPOSAL GP

FUMES DISPOSAL (3N3392 N/S)

Drawing 1 of 1

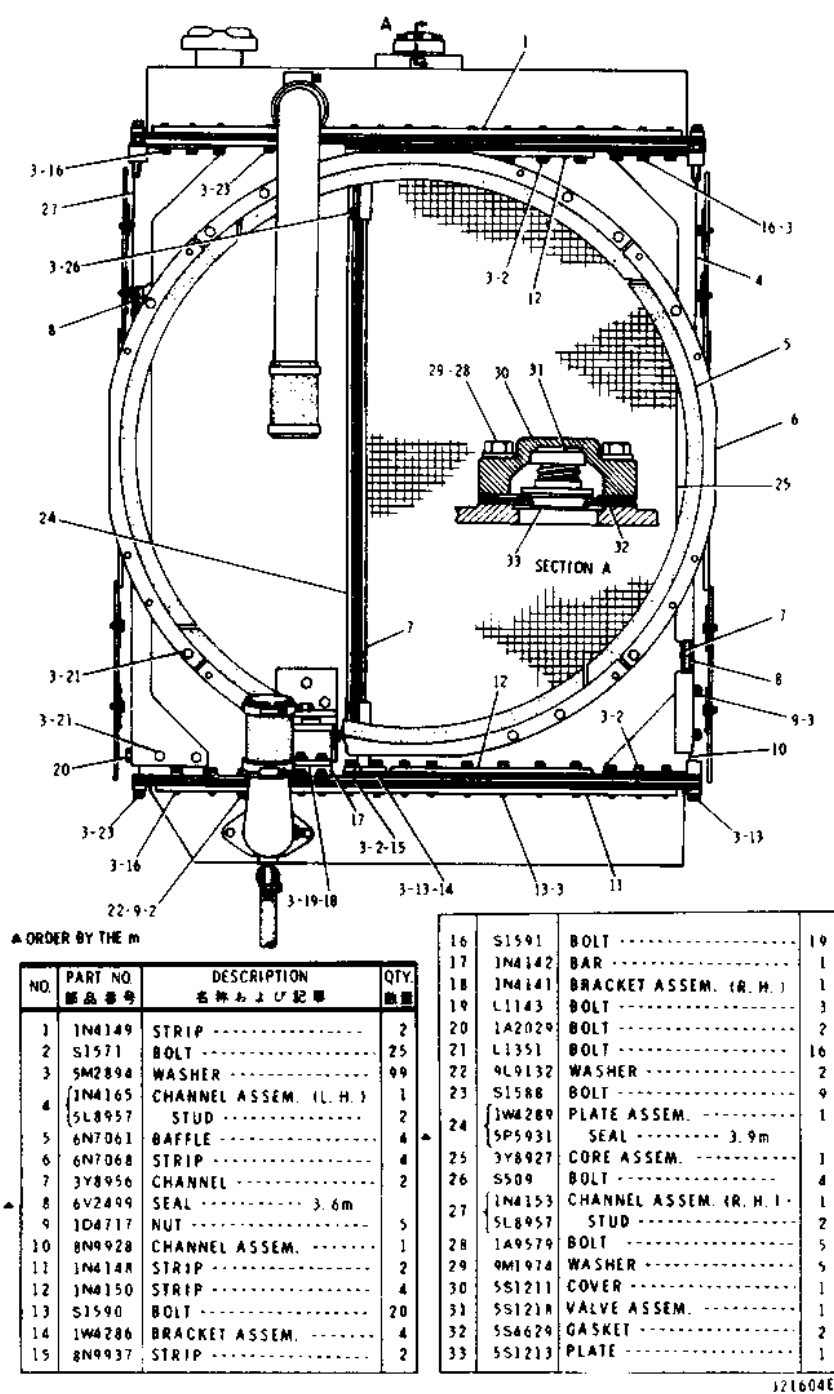


Ref.	Part number	Description	Qty	Code	Group page
1	8S-0780	HOSE	1		
2	9M-2904	CLAMP	2		
3	2P-3767	TUBE	1		
4	1S-4557	CLIP	1		

1N-4109 RADIATOR GP

RADIATOR (1N4109 N/S)--Part 1 of 2

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	1N-4149	STRIP	2		
2	0S-1571	BOLT	25		
3	5M-2894	WASHER	99		
4	1N-4165	CHANNEL ASSEM. (L. H.)	1		
	5L-8957	STUD	2		

1N-4109 RADIATOR GP (continued)

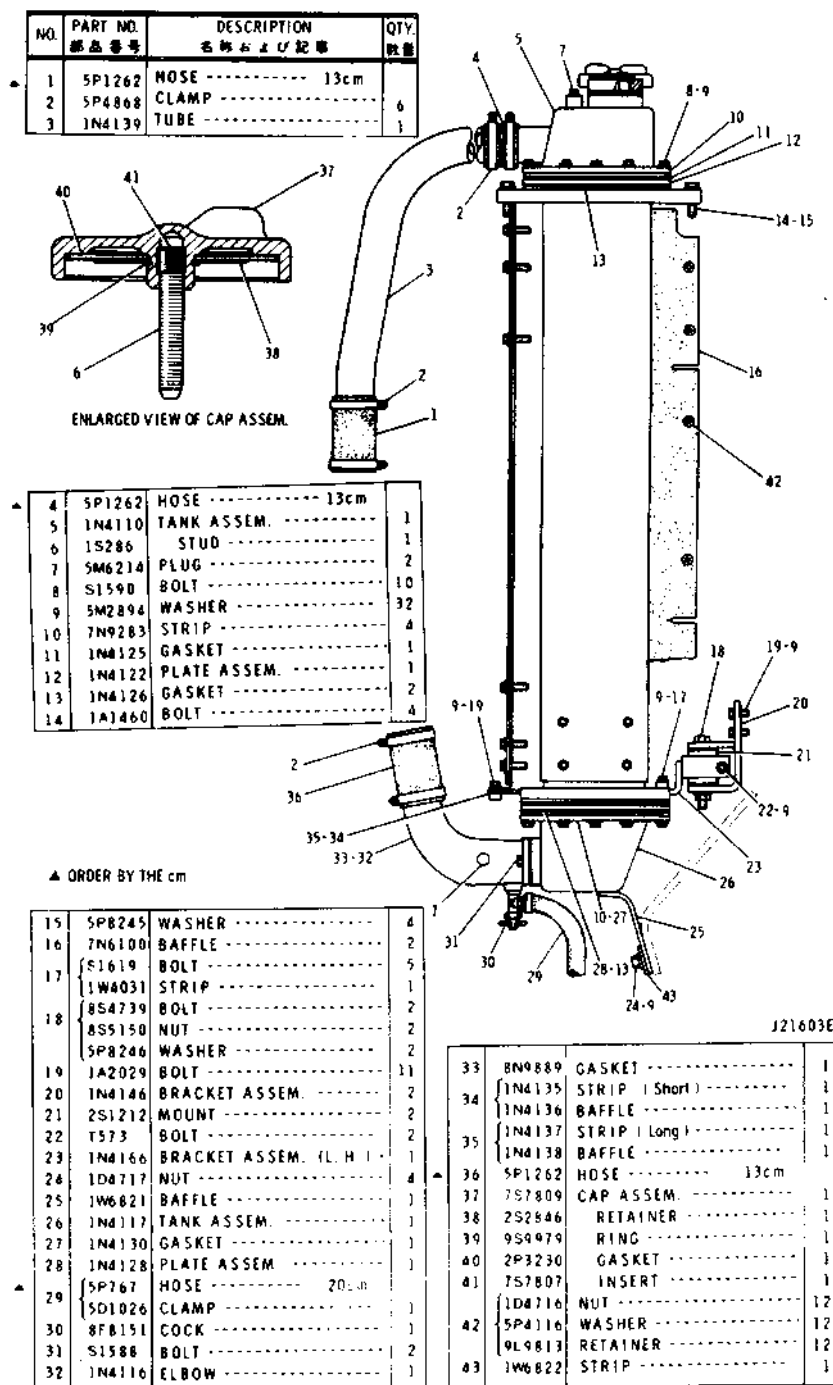
Ref.	Part number	Description	Qty	Code	Group page
5	6N-7061	BAFFLE	4		
6	6N-7068	STRIP	4		
7	3Y-8956	CHANNEL	2		
8	6V-2499	SEAL 3.6m		H	
9	1D-4717	NUT	5		
10	8N-9928	CHANNEL ASSEM.	1		
11	1N-4148	STRIP	2		
12	1N-4150	STRIP	4		
13	0S-1590	BOLT	20		
14	1W-4286	BRACKET ASSEM.	4		
15	8N-9937	STRIP	2		
16	0S-1591	BOLT	19		
17	1N-4142	BAR	1		
18	1N-4141	BRACKET ASSEM. (R. H.)	1		
19	0L-1143	BOLT	3		
20	1A-2029	BOLT	2		
21	0L-1351	BOLT	16		
22	9L-9132	WASHER	2		
23	0S-1588	BOLT	9		
24	1W-4289	PLATE ASSEM.	1		
	5P-5931	SEAL 3.9m		H	
25	3Y-8927	CORE ASSEM.	1		
26	0S-0509	BOLT	4		
27	1N-4153	CHANNEL ASSEM. (R. H.)	1		
	5L-8957	STUD	2		
28	1A-9579	BOLT	5		
29	9M-1974	WASHER	5		
30	5S-1211	COVER	1		
31	5S-1218	VALVE ASSEM.	1		
32	5S-4629	GASKET	2		
33	5S-1213	PLATE	1		

CAT codes: H.

1N-4109 RADIATOR GP

RADIATOR (1N4109 N/S)--Part 2 of 2

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5P-1262	HOSE 13cm		H	
2	5P-4868	CLAMP	6		
3	1N-4139	TUBE	1		
4	5P-1262	HOSE 13cm		H	
5	1N-4110	TANK ASSEM.	1		

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