

CATERPILLAR D399

36Z / SEBP1291

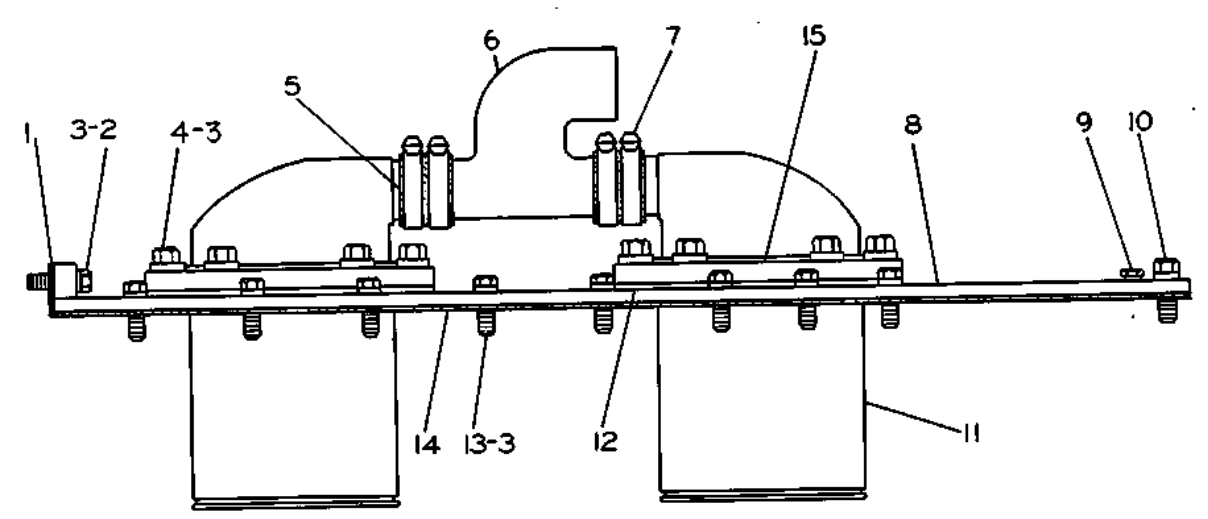
Contents

Section	Page
Hydraulic system	2
Cooling system	
Air inlet and exhaust	
Fuel system	
Electrical and electronics	
Basic engine	
Basic engine	
Electrical and electronics	
Power train	
Frame, guards and enclosure	

3N-0961 BREATHER GP

3N0961 BREATHER GROUP

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
C 1	4L8175	GASKET-----	1
C 2	S1588	BOLT-----	3
C 3	5M2894	WASHER-----	29
C 4	2J3118	BOLT-----	12
5	6B4652	HOSE-----	2
6	7L6329	TEE-----	1

7	9M164	CLAMP-----	4
C 8	3N6375	PLATE ASSEM. -----	1
C 9	5M6213	PLUG-----	3
10	7B3235	BOLT-----	2
C 10	5P8245	WASHER-----	2
11	4L8165	BREATHER ASSEM. -----	2
12	4L8176	GASKET-----	2
C 13	1A2029	BOLT-----	14
14	3N960	GASKET-----	1
C 15	2N4369	PLATE-----	2

C INDICATES CHANGE 229387

Ref.	Part number	Description	Qty	Code	Group page
1	4L-8175	GASKET	1		
2	0S-1588	BOLT	3		
3	5M-2894	WASHER	29	C	
4	2J-3118	BOLT	12	C	
5	6B-4652	HOSE	2		
6	7L-6329	TEE	1		
7	9M-0164	CLAMP	4		
8	3N-6375	PLATE ASSEM.	1	C	
9	5M-6213	PLUG	3	C	
10	7B-3235	BOLT	2		
	5P-8245	WASHER	2	C	
11	4L-8165	BREATHER ASSEM.	2		
12	4L-8176	GASKET	2		

3N-0961 BREATHER GP (continued)

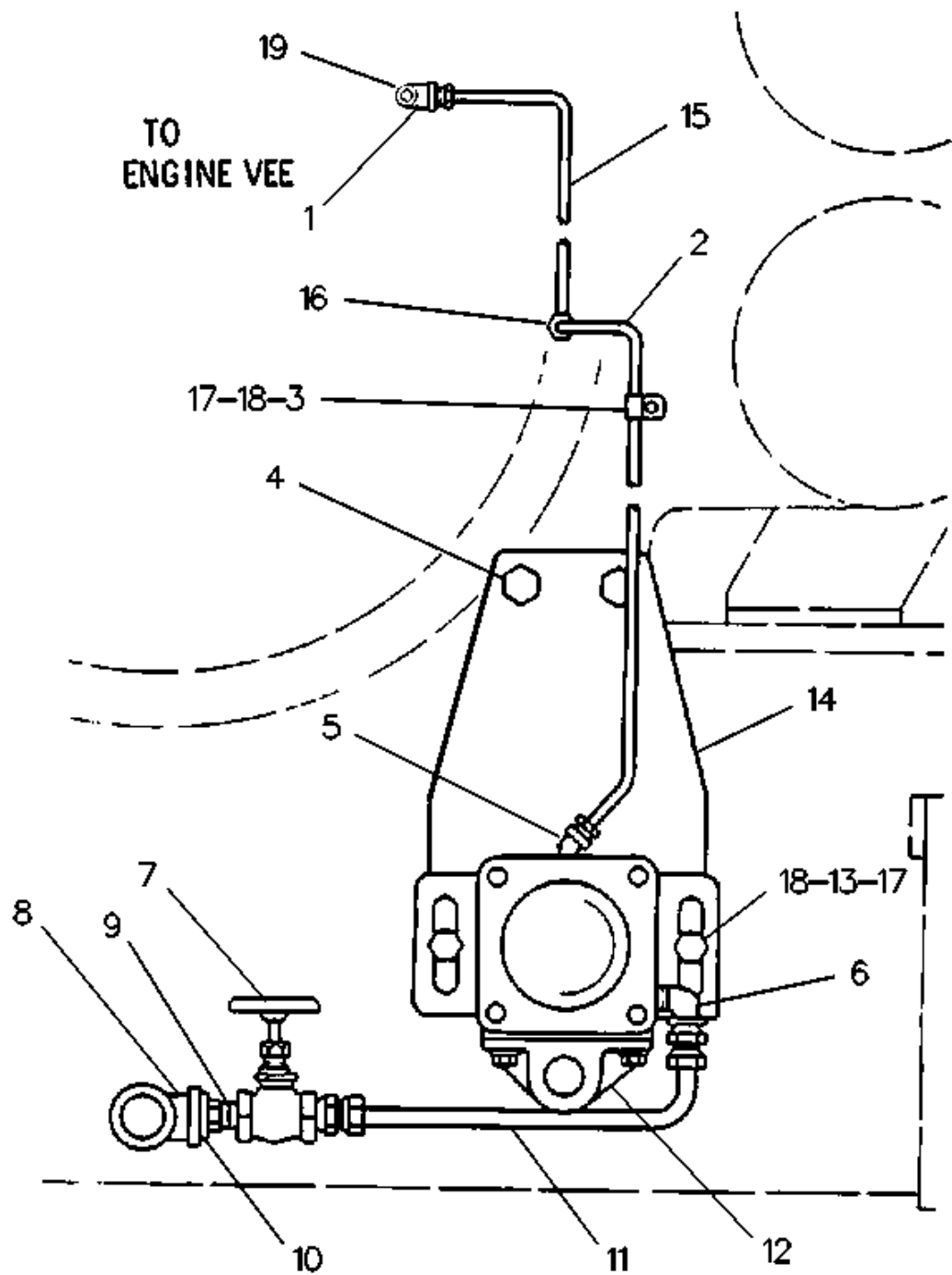
Ref.	Part number	Description	Qty	Code	Group page
13	1A-2029	BOLT	14	C	
14	3N-0960	GASKET	1		
15	2N-4369	PLATE	2	C	

CAT codes: C.

8L-5039 REGULATOR GP-OIL LEVEL

8L5039 OIL LEVEL REGULATOR GROUP AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
	3B-8999	FITTING	1		
	8F-8997	NUT-FITTING	1		
2	5P-1200	TUBE 77.27CM (30.42IN)		EC	
3	8B-6127	CLIP	1		
	9H-8260	BOLT	2		

8L-5039 REGULATOR GP-OIL LEVEL (continued)

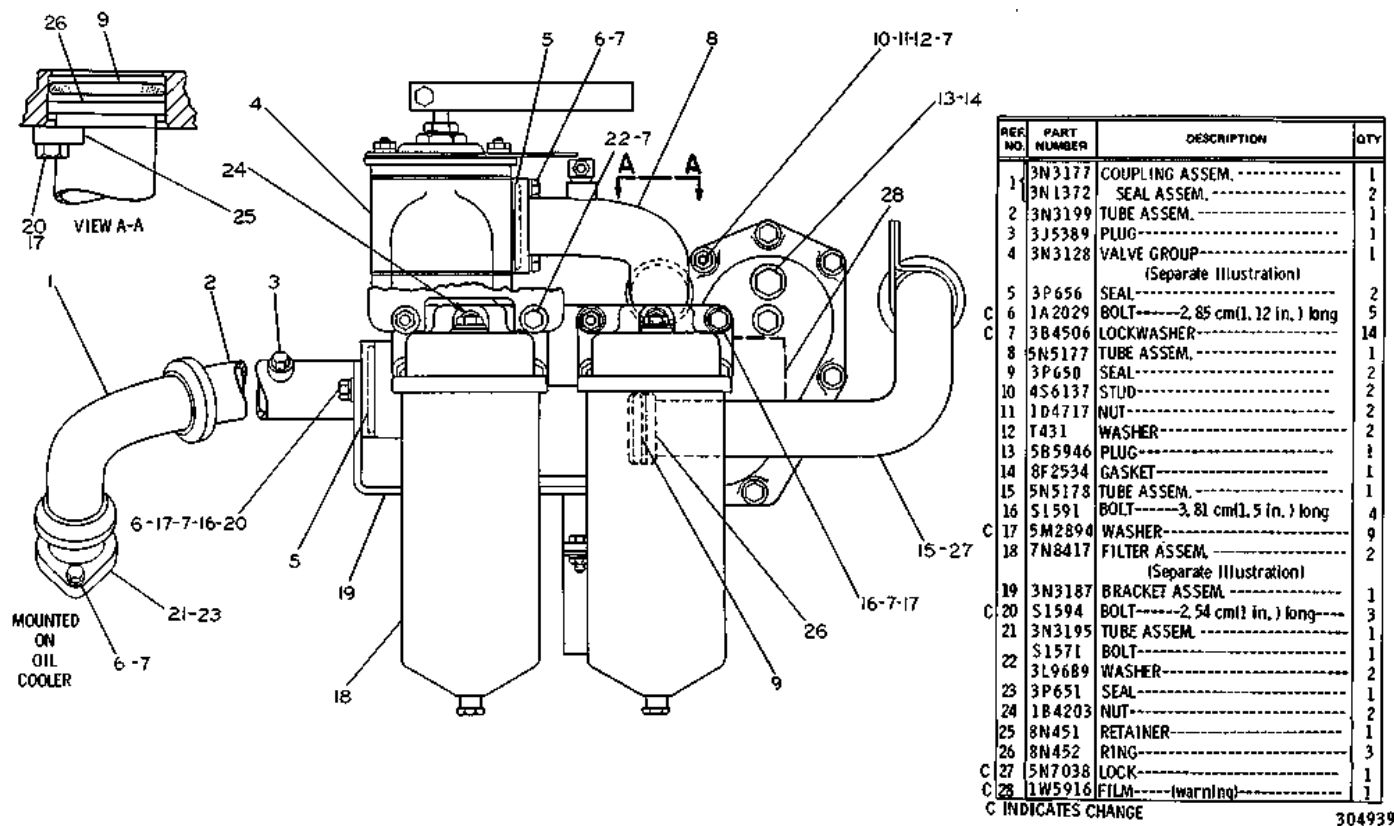
Ref.	Part number	Description	Qty	Code	Group page
	3B-4508	LOCKWASHER	2		
	0L-1365	WASHER	2		
	3B-9004	FITTING	1		
6	2H-3940	ELBOW (1/2-14 NPTF THD)	1	C	
7	7B-9684	VALVE-GLOBE	1		
	6L-7322	TEE-PIPE	1	C	
	3B-7296	NIPPLE-CLOSE	1	C	
9	3B-7744	NIPPLE-CLOSE	1		
10	2F-3360	BUSHING-REDUCING	1	C	
11	2H-7551	HOSE AS	2	IC	
12	5L-5006	REGULATOR-LEVEL	1		
13	1D-4717	NUT	2		
	3L-9689	WASHER	2		
14	8L-5038	BRACKET-SUPPORT	1		
15	5P-1200	TUBE 101CM (39.77IN)		EC	
16	1F-5194	FITTING	1		
	8F-8997	NUT-FITTING	2		
17	3B-4506	LOCKWASHER	3	C	
18	0S-1588	BOLT	3	C	
	6F-6405	SPACER	1	C	
	3B-7738	NIPPLE	1	C	
	3B-6488	COUPLING-PIPE	1	C	
	2B-3470	NIPPLE-PIPE		FC	
	3B-6496	ELBOW	1	FC	

CAT codes: C, E, F, I.

3N-3222 FILTER GP-OIL

3N3222 OIL FILTER GROUP-PART 1 OF 3-TYPE 1 7N8417-PAGE 31B, 3N3128-PAGE 33 TO PROVIDE A SYSTEM THAT ALLOWS THE MAIN ENGINE LUBRICATION OIL FILTER TO BE CHANGED WHILE THE ENGINE IS RUNNING AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	3N-3177	COUPLING ASSEM.	1		
	3N-1372	SEAL ASSEM.	2		
2	3N-3199	TUBE ASSEM.	1		
3	3J-5389	PLUG	1		
4	3N-3128	VALVE GROUP	1	Y	
(Separate Illustration)					
5	3P-0656	SEAL	2		
6	1A-2029	BOLT 2.85 cm(1.12 in.) long	5	C	
7	3B-4506	LOCKWASHER	14	C	
8	5N-5177	TUBE ASSEM.	1		
9	3P-0650	SEAL	2		
10	4S-6137	STUD	2		
11	1D-4717	NUT	2		
12	0T-0431	WASHER	2		
13	5B-5946	PLUG	1		
14	8F-2534	GASKET	1		

3N-3222 FILTER GP-OIL (continued)

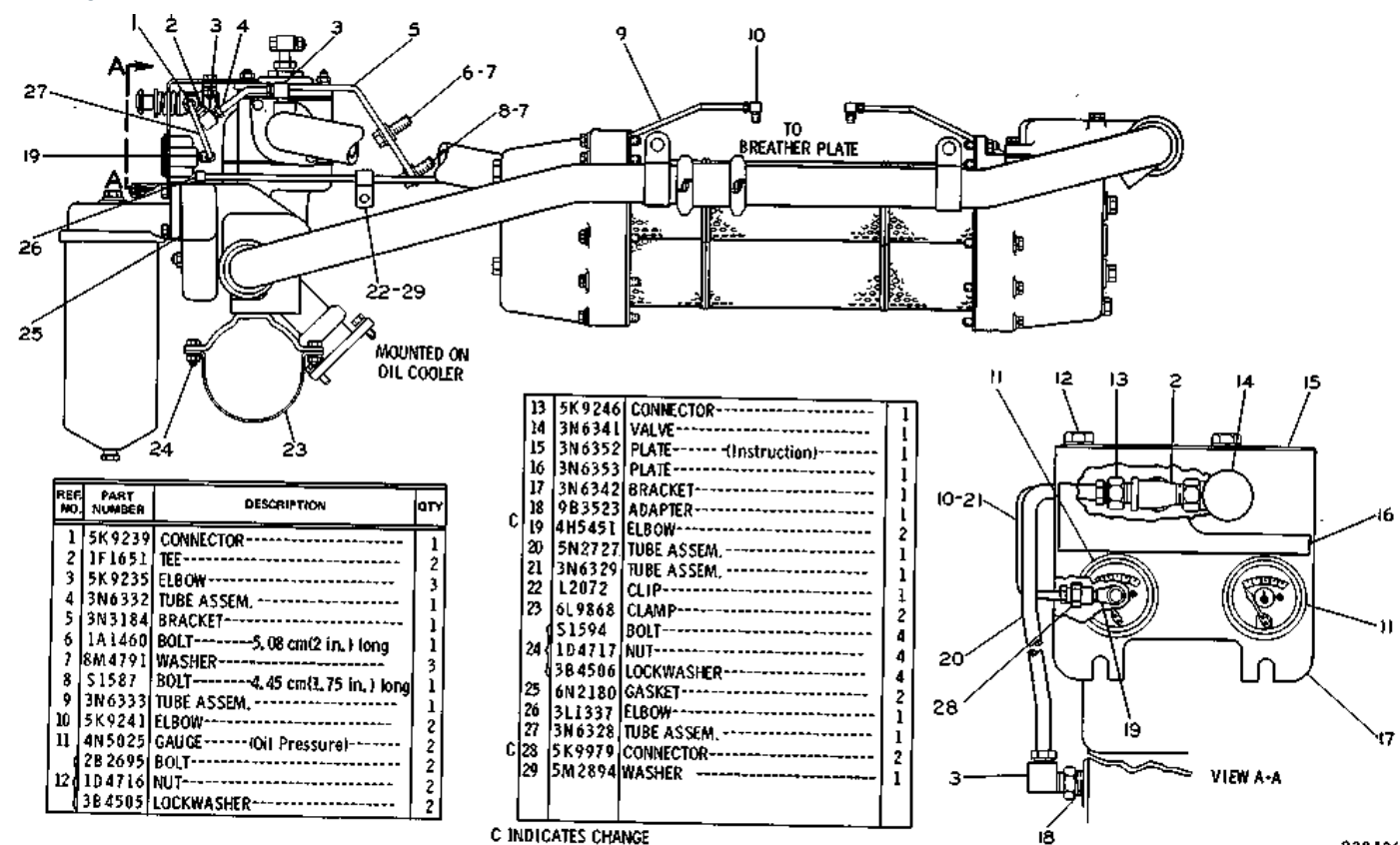
Ref.	Part number	Description	Qty	Code	Group page
15	5N-5178	TUBE ASSEM.	1		
16	0S-1591	BOLT 3.81 cm(1.5 in.) long	4		
17	5M-2894	WASHER	9	C	
18	7N-8417	FILTER ASSEM.	2	Y	
(Separate Illustration)					
19	3N-3187	BRACKET ASSEM.	1		
20	0S-1594	BOLT 2.54 cm(1 in.) long	3	C	
21	3N-3195	TUBE ASSEM.	1		
22	0S-1571	BOLT	1		
	3L-9689	WASHER	2		
23	3P-0651	SEAL	1		
24	1B-4203	NUT	2		
25	8N-0451	RETAINER	1		
26	8N-0452	RING	3		
27	5N-7038	LOCK	1	C	
28	1W-5916	FILM (warning)	1	C	

CAT codes: C, Y.

3N-3222 FILTER GP-OIL

3N3222 OIL FILTER GROUP-PART 2 OF 3-TYPE 1 TO PROVIDE A SYSTEM THAT ALLOWS THE MAIN ENGINE LUBRICATION OIL FILTER TO BE CHANGED WHILE THE ENGINE IS RUNNING AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5K-9239	CONNECTOR	1		
2	1F-1651	TEE	2		
3	5K-9235	ELBOW	3		
4	3N-6332	TUBE ASSEM.	1		
5	3N-3184	BRACKET	1		
6	1A-1460	BOLT 5.08 cm(2 in.) long	1		
7	8M-4791	WASHER	3		
8	0S-1587	BOLT 4.45 cm(1.75 in.) long	1		
9	3N-6333	TUBE ASSEM.	1		
10	5K-9241	ELBOW	2		
11	4N-5025	GAUGE (Oil Pressure)	2		
12	2B-2695	BOLT	2		
	1D-4716	NUT	2		
	3B-4505	LOCKWASHER	2		
13	5K-9246	CONNECTOR	1		
14	3N-6341	VALVE	1		

3N-3222 FILTER GP-OIL (continued)

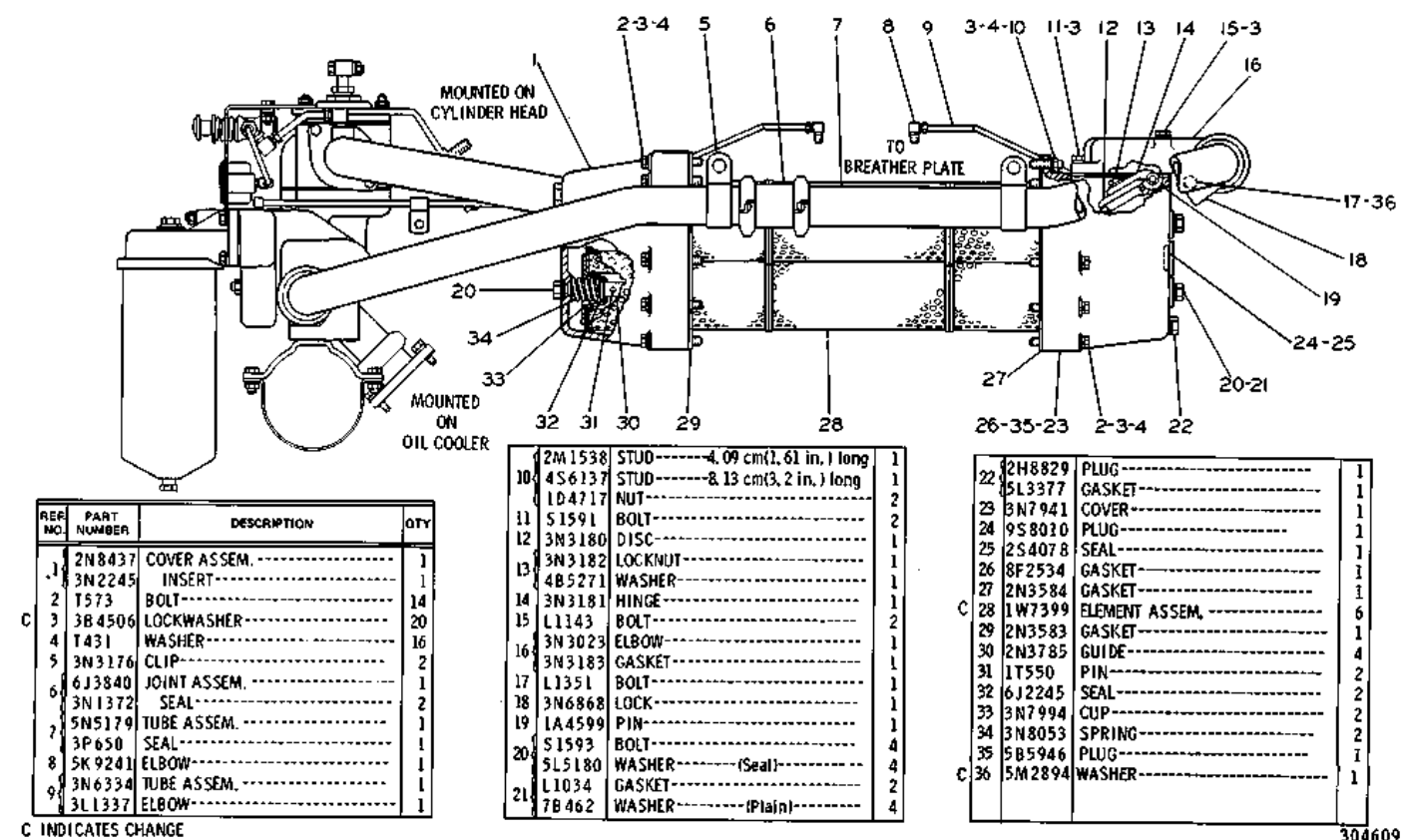
Ref.	Part number	Description	Qty	Code	Group page
15	3N-6352	PLATE (Instruction)	1		
16	3N-6353	PLATE	1		
17	3N-6342	BRACKET	1		
18	9B-3523	ADAPTER	1		
19	4H-5451	ELBOW	2	C	
20	5N-2727	TUBE ASSEM.	1		
21	3N-6329	TUBE ASSEM.	1		
22	0L-2072	CLIP	1		
23	6L-9868	CLAMP	2		
24	0S-1594	BOLT	4		
	1D-4717	NUT	4		
	3B-4506	LOCKWASHER	4		
25	6N-2180	GASKET	2		
26	3L-1337	ELBOW	1		
27	3N-6328	TUBE ASSEM.	1		
28	5K-9979	CONNECTOR	2	C	
29	5M-2894	WASHER	1		

CAT codes: C.

3N-3222 FILTER GP-OIL

3N3222 OIL FILTER GROUP-PART 3 OF 3-TYPE 1 TO PROVIDE A SYSTEM THAT ALLOWS THE MAIN ENGINE LUBRICATION OIL FILTER TO BE CHANGED WHILE THE ENGINE IS RUNNING AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	2N-8437	COVER ASSEM.	1		
	3N-2245	INSERT	1		
2	0T-0573	BOLT	14		
3	3B-4506	LOCKWASHER	20	C	
4	0T-0431	WASHER	16		
5	3N-3176	CLIP	2		
6	6J-3840	JOINT ASSEM.	1		
	3N-1372	SEAL	2		
7	5N-5179	TUBE ASSEM.	1		
	3P-0650	SEAL	1		
8	5K-9241	ELBOW	1		
9	3N-6334	TUBE ASSEM.	1		
	3L-1337	ELBOW	1		
10	2M-1538	STUD 4.09 cm(1.61 in.) long	1		
	4S-6137	STUD 8.13 cm(3.2 in.) long	1		
	1D-4717	NUT	2		

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