

CATERPILLAR 3512

ZAF / SEBP4049

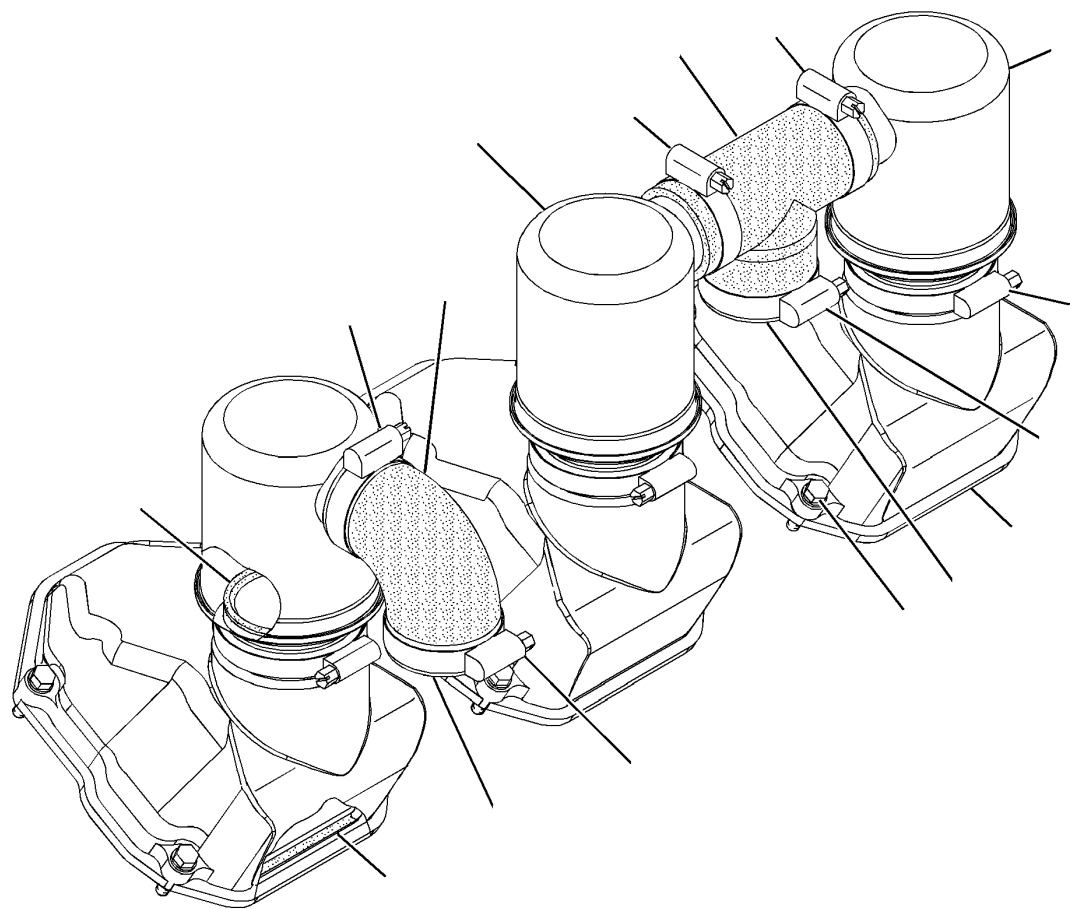
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144-2890 BREATHER GP

144-2890 BREATHER GP S/N 1KZ1-UP

Drawing 1 of 1



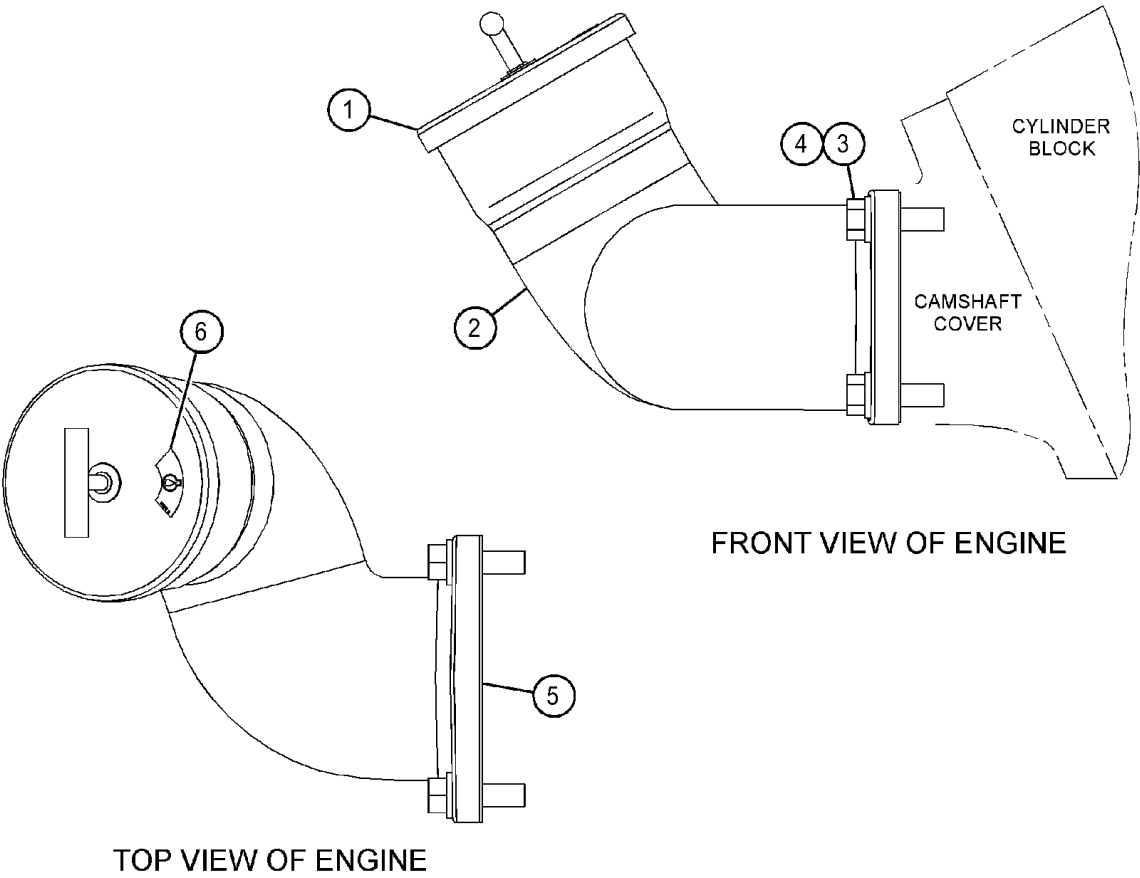
Ref.	Part number	Description	Qty	Code	Group page
1	4W-1450	COVER AS	3		
2	4W-3027	BREATHER AS (CRANKCASE)	3		
3	4W-3034	CLAMP-HOSE	3		
4	5P-0597	CLAMP-HOSE	3		
5	141-7143	HOSE-ELBOW	1		
6	5P-4868	CLAMP-HOSE	2		
7	272-0757	SEAL-VALVE COVER (BREATHER COVER)	3		
8	217-6692	HOSE-TEE	1		
9	033-6031	SEAL-O-RING	3		
10	1A-9579	BOLT (5/16-18X1.5-IN)	12		
11	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	12		
12	7N-7820	BOOT	2	B	

CAT codes: B.

7N-1875 FILLER GP-ENGINE OIL

7N-1875 FILLER GP-ENGINE OIL S/N 1KZ1-UP

Drawing 1 of 1

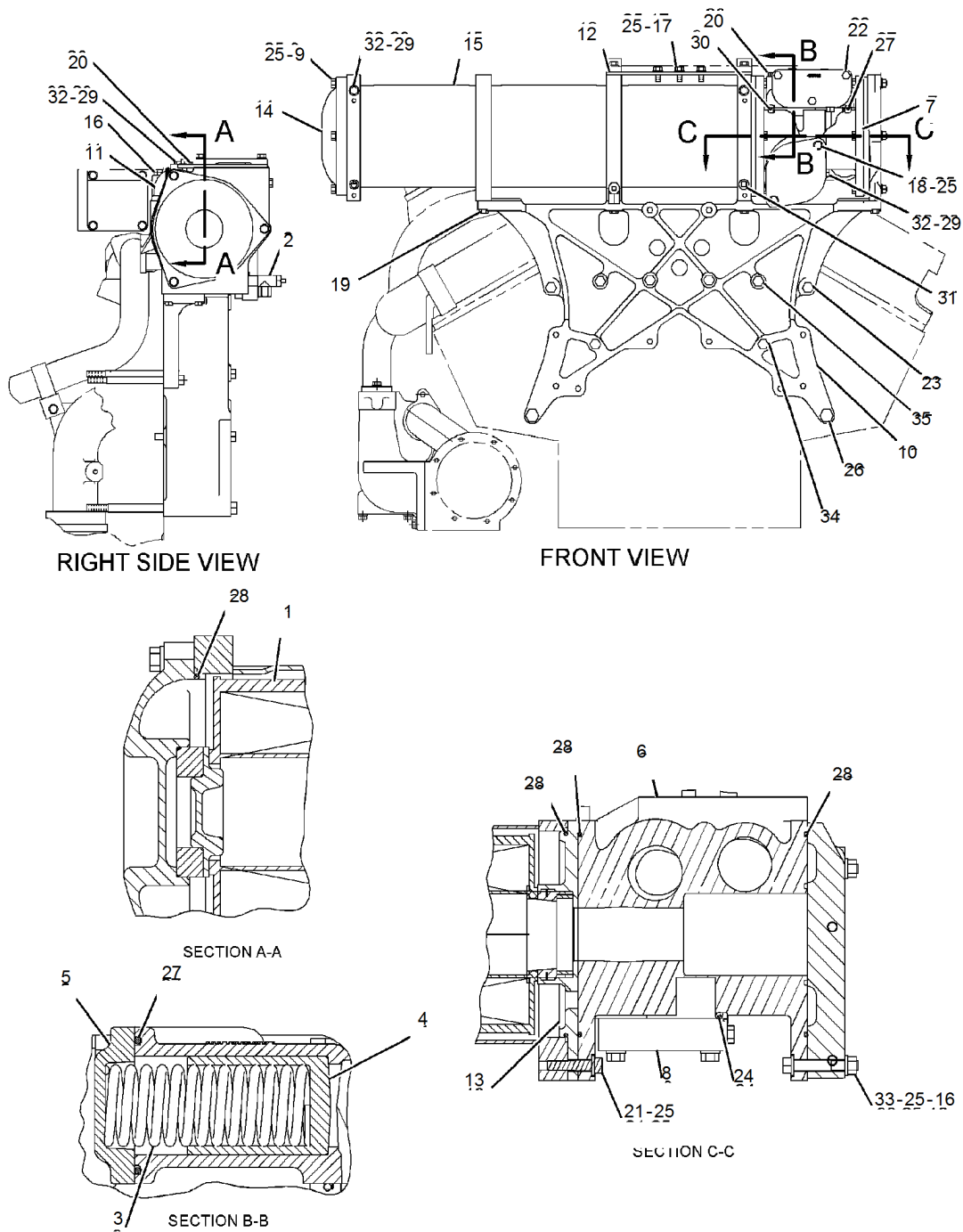


Ref.	Part number	Description	Qty	Code	Group page
1	7L-4447	CAP AS-ENGINE OIL FILLER	1		
2	7N-5336	ELBOW-OIL FILLER	1		
3	0S-1588	BOLT (3/8-16X1.25-IN)	4		
4	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	4		
5	2W-0752	GASKET	1		
6	5P-1175	FILM-IDENTIFICATION (ENGINE OIL FILL)	1		

4W-6874 FILTER GP-ENGINE OIL -RH

4W-6874 FILTER GP-ENGINE OIL -RH S/N 1KZ1-UP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	1R-0726	FILTER ELEMENT AS-ENGINE OIL (STANDARD EFFICIENCY)	3		
2	2S-5100	VALVE-MANUAL	1		
3	2W-1635	SPRING	1		
4	2W-1969	VALVE-BYPASS (OIL COOLER)	1		
5	4W-5592	COVER	1		

4W-6874 FILTER GP-ENGINE OIL -RH (continued)

Ref.	Part number	Description	Qty	Code	Group page
6	4W-6387	HOUSING AS (BYPASS)	1		
	7N-2043	DOWEL	3		
7	4W-6960	SUPPORT-HOUSING	1		
8	339-5148	COVER	1		
9	7F-0192	BOLT (3/8-16X2-IN)	3		
10	8N-9482	SUPPORT-OIL FILTER	1		
11	111-8639	COVER-BYPASS VALVE	1		
12	133-9313	PLATE	1		
13	155-1690	ADAPTER AS	1	C	
	154-1581	RING-RETAINING	1		
14	157-0443	COVER AS	1	C	
	7N-2043	DOWEL	1		
15	278-1082	HOUSING AS-FILTER (ENGINE OIL)	1	C	
	4V-7412	BOSS (3/8-16-THD)	1		
16	0L-1143	BOLT (3/8-16X2.5-IN)	4		
17	0L-1351	BOLT (3/8-16X0.875-IN)	3		
18	0S-1571	BOLT (3/8-16X1.75-IN)	2		
19	0S-1588	BOLT (3/8-16X1.25-IN)	8		
20	0S-1619	BOLT (3/8-16X3-IN)	2		
21	165-3931	BOLT (3/8-16X1.75-IN)	3		
22	1M-0644	BOLT (3/8-16X2.25-IN)	3		
23	4S-5882	BOLT (1/2-13X7.25-IN)	2		
24	5D-5957	SEAL-O-RING	1		
25	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	17		
26	5P-4624	BOLT (3/4-10X11.5-IN)	2		
27	5P-4892	SEAL-O-RING	4		
28	6V-3907	SEAL-O-RING	4		
29	6V-5048	SEAL-O-RING	6		
30	6V-8001	SEAL-O-RING	1		
31	8T-6762	PLUG-PIPE (1/2-14-THD)	1	C	
32	9S-4182	PLUG (7/16-20-THD)	6		
33	9S-8752	NUT-FULL (3/8-16-THD)	3		
34	1D-4574	BOLT (1/2-13X6-IN)	2	B	
35	5P-5421	BOLT (1/2-13X11.5-IN)	4	B	

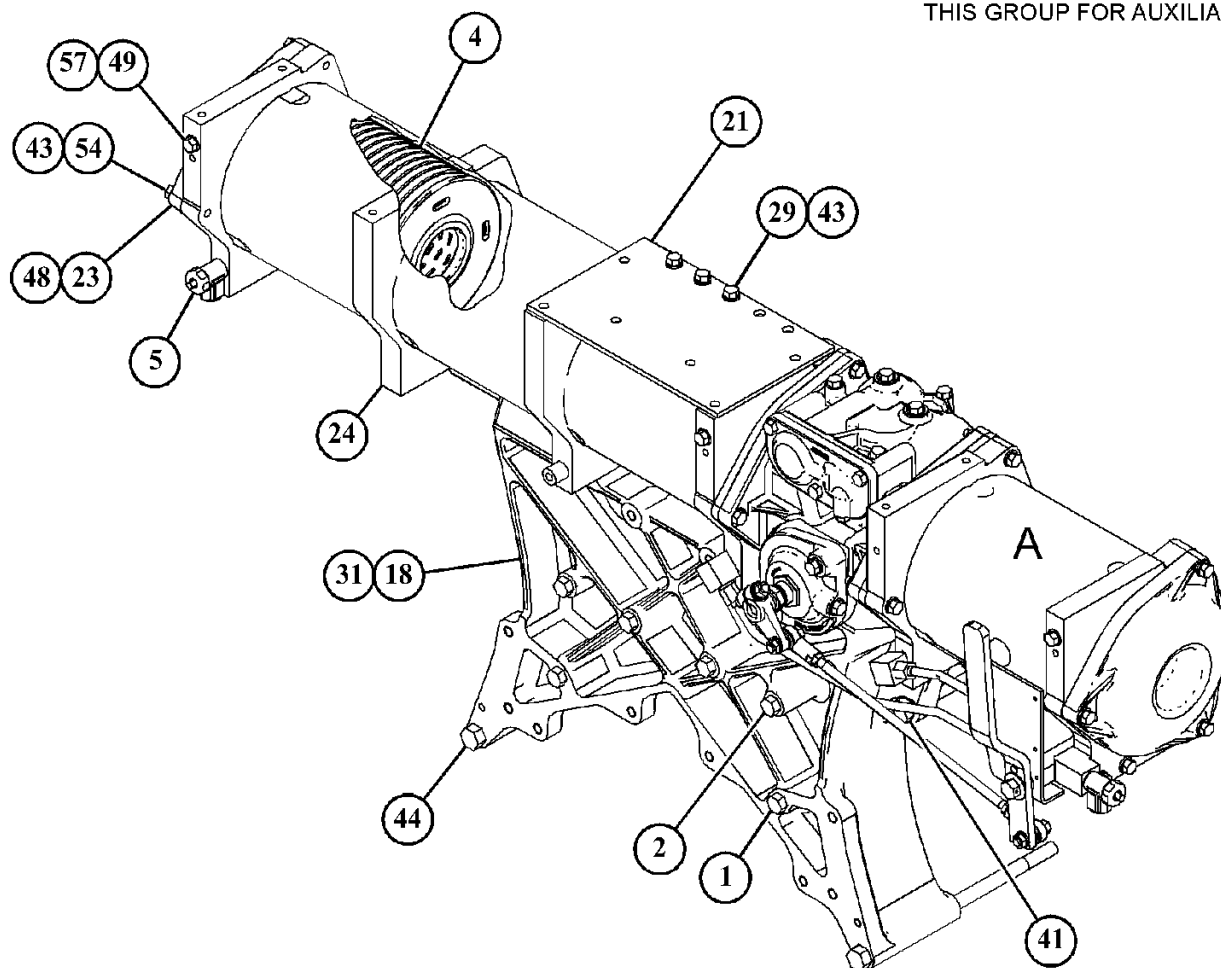
CAT codes: B, C.

4W-9968 FILTER GP-ENGINE OIL -DUPLEX

4W-9968 FILTER GP-ENGINE OIL -DUPLEX S/N ZAF1-UP AN ATTACHMENT

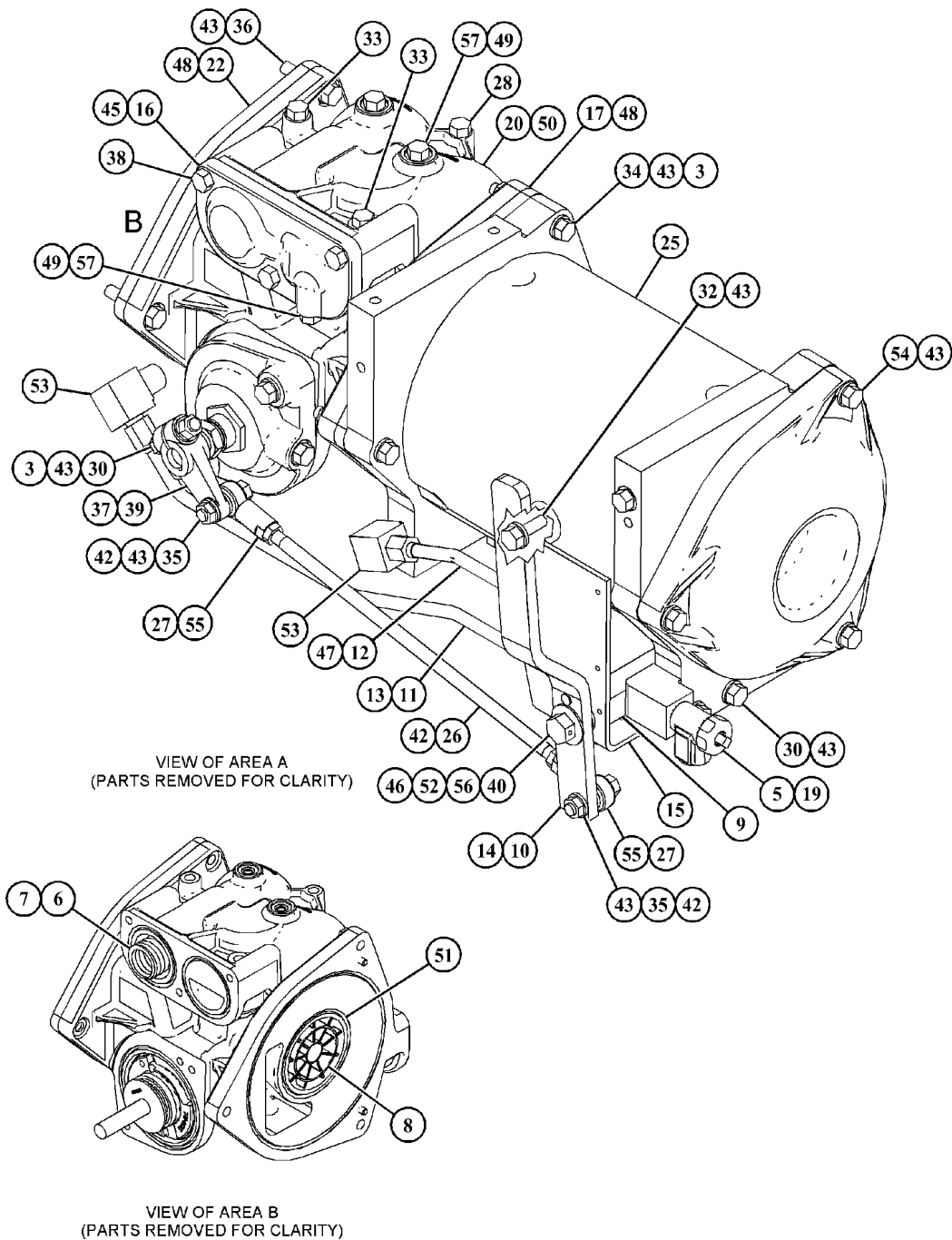
Drawing 1 of 2

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



4W-9968 FILTER GP-ENGINE OIL -DUPLEX (continued)

Drawing 2 of 2



Ref.	Part number	Description	Qty	Code	Group page
1	1D-4574	BOLT (1/2-13X6-IN)	2	B	
2	5P-5421	BOLT (1/2-13X11.5-IN)	4	B	
3	9S-8752	NUT-FULL (3/8-16-THD)	4		
4	1R-0726	FILTER ELEMENT AS-ENGINE OIL (STANDARD EFFICIENCY)	4		
5	2S-5100	VALVE-MANUAL	2		
6	2W-1635	SPRING	1		

4W-9968 FILTER GP-ENGINE OIL -DUPLEX (continued)

Ref.	Part number	Description	Qty	Code	Group page
7	2W-1969	VALVE-BYPASS (OIL COOLER)	1		
8	554-3009	VALVE-CHECK	1		
9	4W-0090	BLOCK	1		
10	4W-0096	LEVER	1		
11	4W-0288	TUBE AS	1		
12	4W-0289	TUBE AS	1		
13	4W-0290	VALVE AS	1		
14	4W-0334	PLUNGER AS-BALL	1		
15	4W-0343	BRACKET	1		
16	4W-5592	COVER	1		
17	7W-3816	VALVE GP-FLUID CONTROL (DUPLEX OIL)	1	Y	
18	8N-9482	SUPPORT-OIL FILTER	1		
19	002-6453	ELBOW	1		
20	111-8639	COVER-BYPASS VALVE	1		
21	133-9313	PLATE	1		
22	155-1690	ADAPTER AS	2		
(EACH INCLUDES)					
	154-1581	RING-RETAINING	1		
23	157-0443	COVER AS	2		
(EACH INCLUDES)					
	7N-2043	DOWEL	1		
24	278-1082	HOUSING AS-FILTER (ENGINE OIL)	1		
	4V-7412	BOSS (3/8-16-THD)	1		
25	278-1083	HOUSING AS-FILTER (AUXILIARY)	1		
26	521-3763	TIE ROD	1		
27	532-8532	SEAL (ROD END)	4		
28	0L-1143	BOLT (3/8-16X2.5-IN)	1		
29	0L-1351	BOLT (3/8-16X0.875-IN)	3		
30	165-3931	BOLT (3/8-16X1.75-IN)	3		
31	0S-1588	BOLT (3/8-16X1.25-IN)	8		
32	0S-1594	BOLT (3/8-16X1-IN)	1		
33	0S-1619	BOLT (3/8-16X3-IN)	2		
34	0T-0573	BOLT (3/8-16X2.75-IN)	3		
35	0T-0924	BOLT (3/8-24X1.5-IN)	2		
36	165-3931	BOLT (3/8-16X1.75-IN)	3		
37	1B-8706	KEY-WOODRUFF	1		

4W-9968 FILTER GP-ENGINE OIL -DUPLEX (continued)

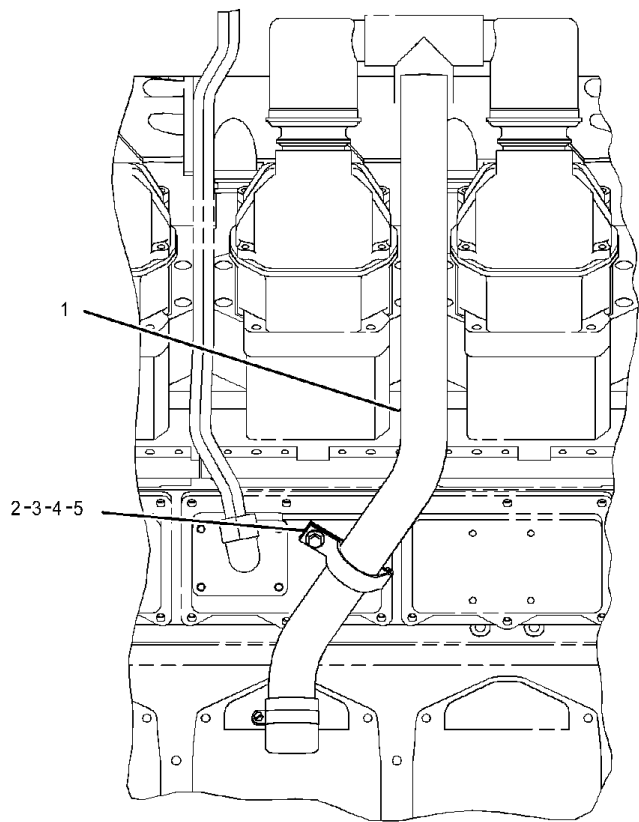
Ref.	Part number	Description	Qty	Code	Group page
38	1M-0644	BOLT (3/8-16X2.25-IN)	3		
39	3D-9777	LEVER	1		
40	3J-9173	BOLT-SPECIAL	1		
41	4S-5882	BOLT (1/2-13X7.25-IN)	2		
42	5B-9079	NUT-JAM (3/8-24-THD)	4		
43	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	27		
44	5P-4624	BOLT (3/4-10X11.5-IN)	2		
45	5P-4892	SEAL-O-RING	4		
46	5P-8245	WASHER-HARD (13.5X25.5X3-MM THK)	1		
47	6K-9194	ELBOW	1		
48	6V-3907	SEAL-O-RING	6		
49	6V-5048	SEAL-O-RING	6		
50	6V-8001	SEAL-O-RING	1		
51	6V-8002	SEAL-O-RING	1		
52	6V-8823	WASHER-HARD (19.25X27X2-MM THK)	1	C	
53	7D-8793	ELBOW-FLARED	2		
54	7F-0192	BOLT (3/8-16X2-IN)	6		
55	7X-7875	ROD END	2		
56	9K-6540	WASHER-SPRING (0.63X1.25X0.04-IN THK)	1		
57	9S-4182	PLUG (7/16-20-THD)	6		

CAT codes: B, C, Y.

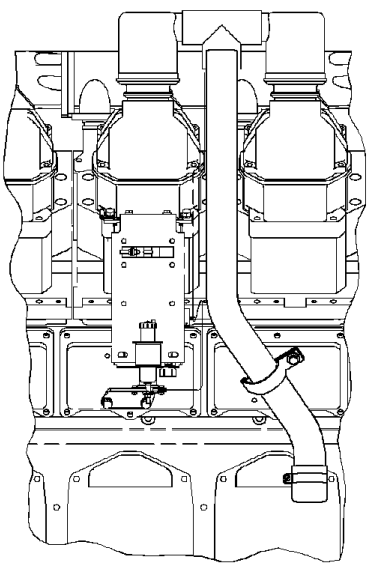
4W-0472 FUMES DISPOSAL GP

4W-0472 FUMES DISPOSAL GP S/N ZAF1-UP AN ATTACHMENT

Drawing 1 of 1



LEFT SIDE VIEW



ALTERNATE LEFT SIDE VIEW

Ref.	Part number	Description	Qty	Code	Group page
1	105-4329	TUBE	1	C	
2	6V-0268	CLIP (SLOT)	1		
3	0S-1594	BOLT (3/8-16X1-IN)	1		
4	9X-6458	WASHER-HARD (10.2X22.5X3-MM THK)	1	C	
5	6V-0267	CLIP (TAB)	1		

CAT codes: C.

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