

CATERPILLAR 3412

9XF / SEBP1890

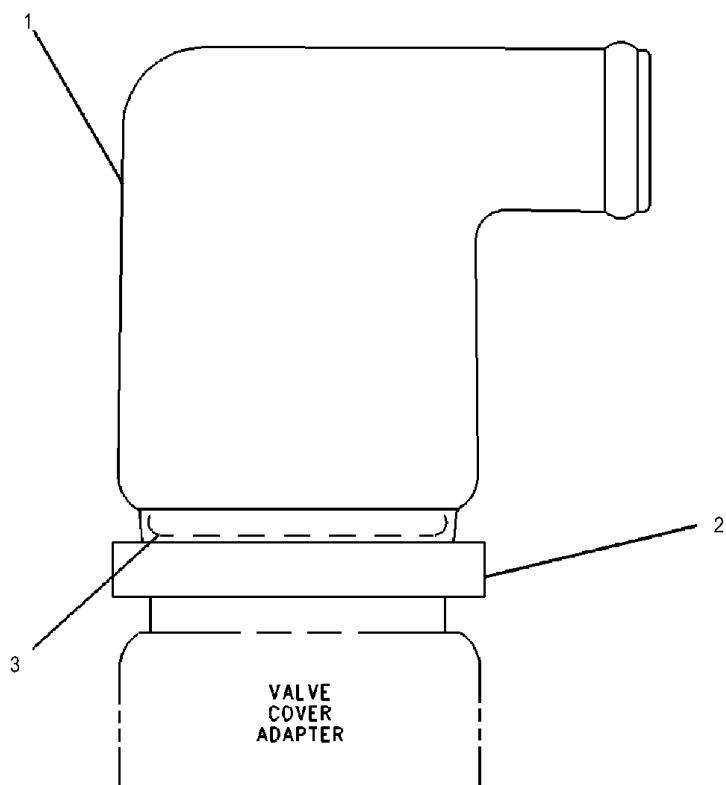
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Electrical and electronics	
Basic engine	

2N-8220 BREATHER GP -CRANKCASE

2N-8220 BREATHER GP -CRANKCASE FOR USE WITH FUMES DISPOSAL GROUPS

Drawing 1 of 1



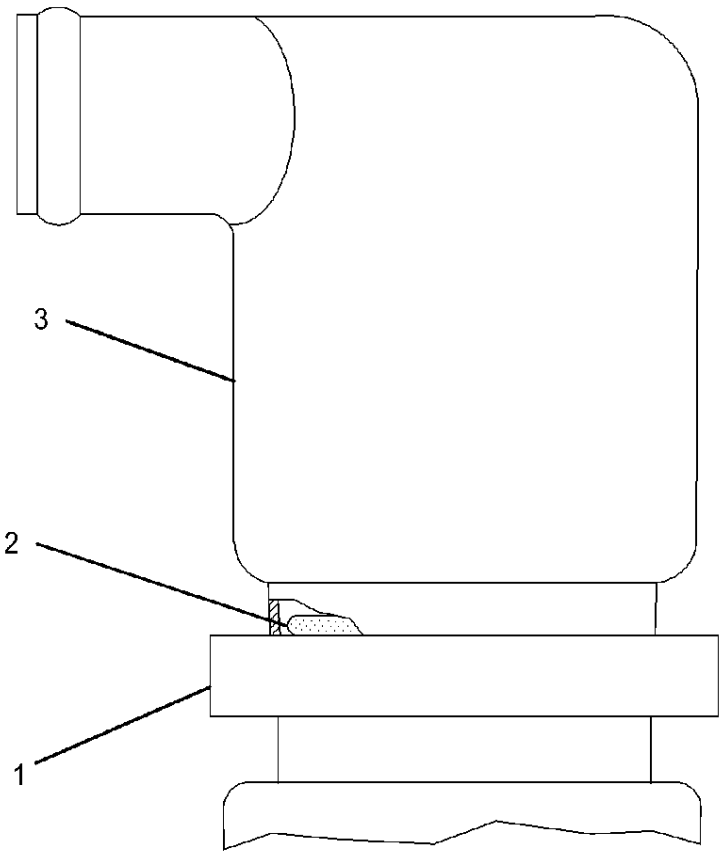
Ref.	Part number	Description	Qty	Code	Group page
1	9Y-2988	BREATHER AS (CRANKCASE)	1	C	
2	2N-8109	CLAMP	1		
3	6V-3831	SEAL-O-RING	1		

CAT codes: C.

9Y-2989 BREATHER GP

9Y-2989 BREATHER GP S/N 9XF81-UP FOR USE WITH OPEN FUMES DISPOSAL

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	2N-8109	CLAMP	1		
2	6V-3831	SEAL-O-RING	1		
3	4N-4668	BREATHER AS (CRANKCASE)	1		

4N-2481 FASTENER GP-OIL PUMP MOUNTING -ENGINE

4N-2481 FASTENER GP-OIL PUMP MOUNTING -ENGINE

Drawing 1 of 1

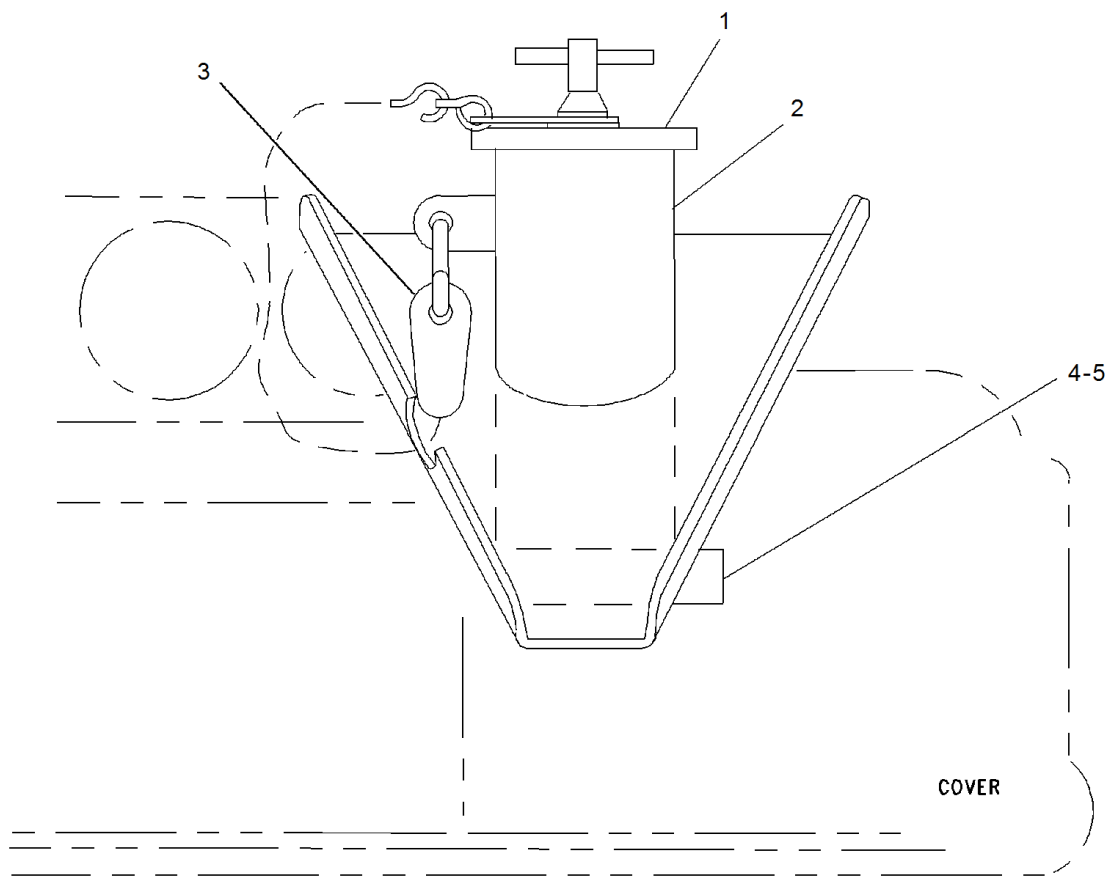


Ref.	Part number	Description	Qty	Code	Group page
1	0L-1143	BOLT (3/8-16X2.5-IN)	2		
2	0S-1590	BOLT (3/8-16X2-IN)	1		
3	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	3		

2W-6537 FILLER GP-ENGINE OIL

2W-6537 FILLER GP-ENGINE OIL

Drawing 1 of 1



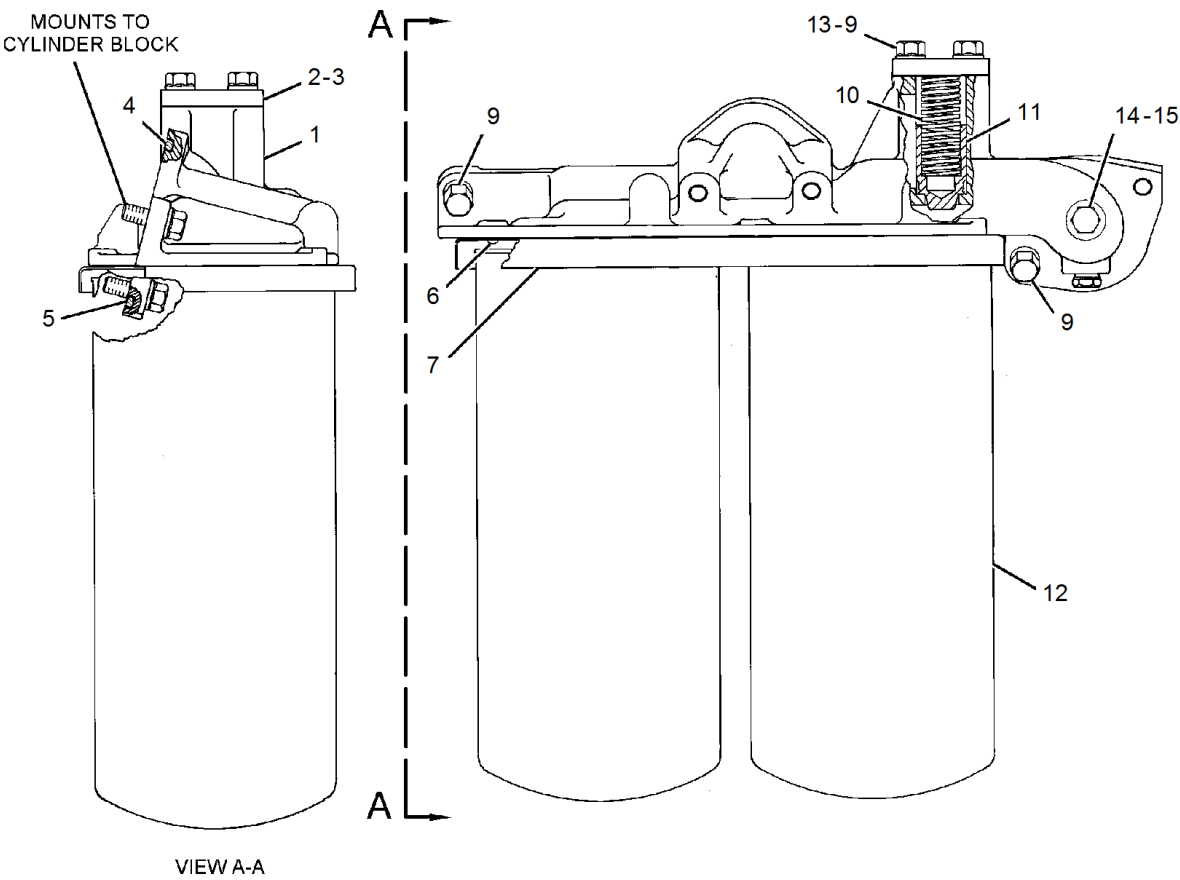
Ref.	Part number	Description	Qty	Code	Group page
1	6N-2206	CAP AS-FILLER	1	C	
2	128-0597	TUBE AS	1		
3	3F-6156	HOOK	1	C	
4	4F-7390	SEAL-O-RING	1		
5	2N-8109	CLAMP	1		

CAT codes: C.

4N-1409 FILTER GP-ENGINE OIL

4N-1409 FILTER GP-ENGINE OIL

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	9Y-1652	BASE AS-OIL FILTER	1	C	
	2P-4304	STUD-HOLLOW	2		
	5M-6213	PLUG-PIPE (1/4-18-THD)	1		
	8J-6220	SETSCREW-HEX SOCKET (3/8-16X0.375-IN)	1		
2	2P-3761	COVER	1		
3	2P-3760	GASKET	1		
4	5P-8068	SEAL-O-RING	1		
5	3P-0650	SEAL-O-RING	1		
6	4B-4161	SCREW-DRIVE (NO 6X3/8-IN)	5		
7	2W-0219	SHIELD	1		
9	0S-1594	BOLT (3/8-16X1-IN)	4		
10	4N-8150	SPRING	1		
11	9M-0853	PLUNGER-VALVE (OIL COOLER)	1		
12	1R-1808	FILTER-ENGINE OIL (ADVANCED EFFICIENCY)	2		

4N-1409 FILTER GP-ENGINE OIL (continued)

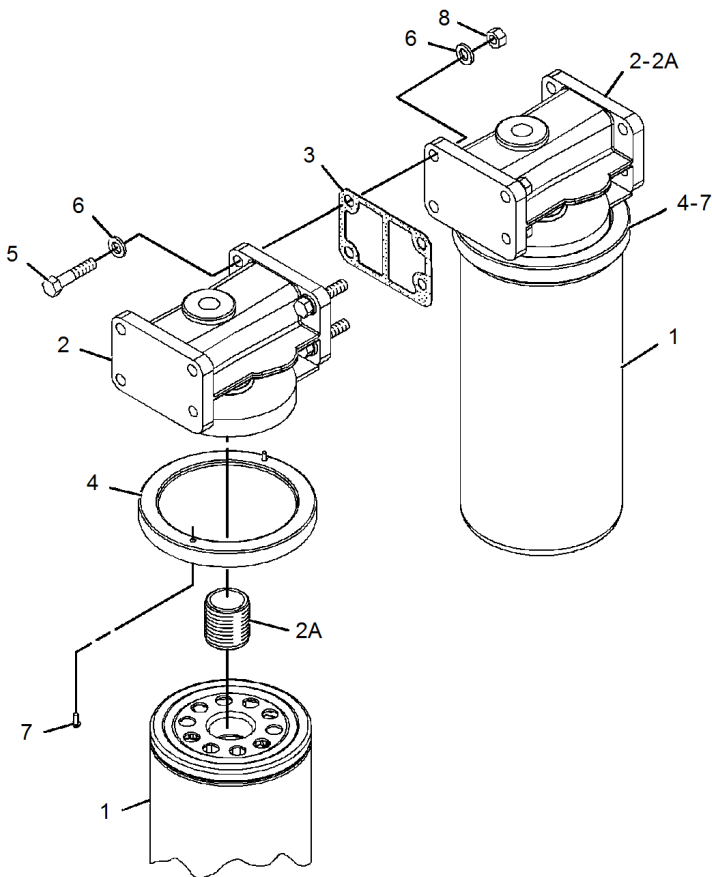
Ref.	Part number	Description	Qty	Code	Group page
13	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	2		
14	9S-4182	PLUG (7/16-20-THD)	1	C	
15	6V-5048	SEAL-O-RING	1		

CAT codes: C.

4N-2357 FILTER GP-ENGINE OIL

4N-2357 FILTER GP-ENGINE OIL S/N 9XF1-75; 9XF81-UP

Drawing 1 of 1

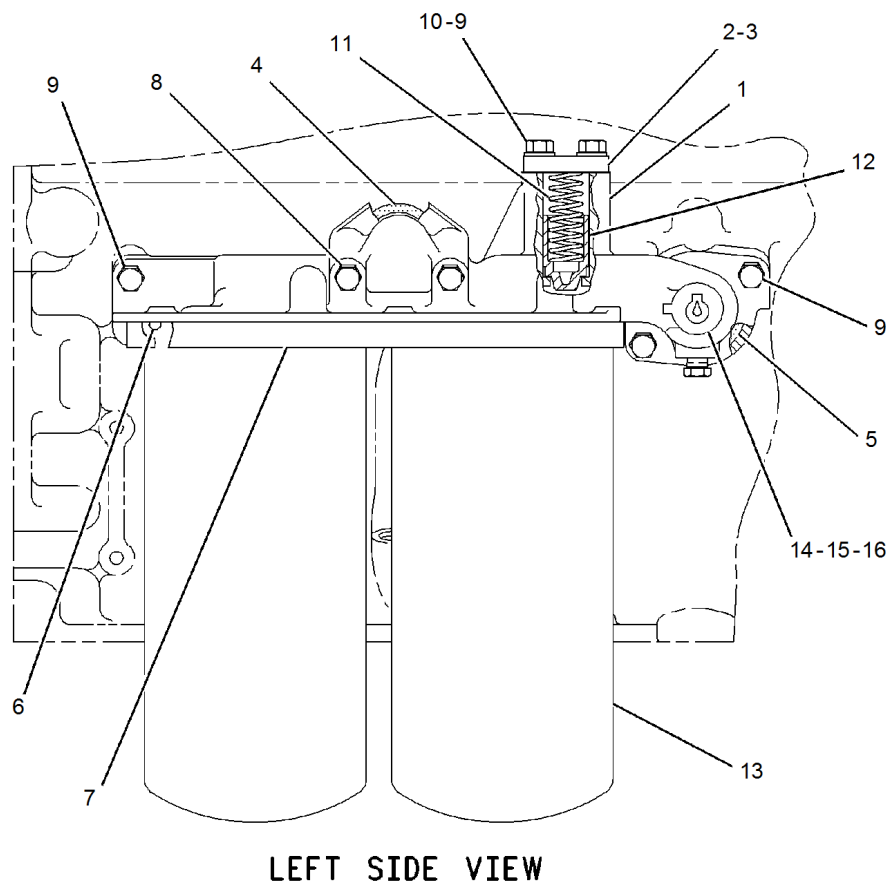


Ref.	Part number	Description	Qty	Code	Group page
1	1R-1808	FILTER-ENGINE OIL (ADVANCED EFFICIENCY)	2		
2	2P-4303	BASE AS-OIL FILTER	2		
(EACH INCLUDES)					
2A	2P-4304	STUD-HOLLOW	1		
3	2P-4305	GASKET	1		
4	4N-7082	SHIELD-OIL FILTER	2		
5	165-3931	BOLT (3/8-16X1.75-IN)	4		
6	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	8		
7	7F-9090	SCREW-DRIVE (NO 8X3/8-IN)	4		
8	9S-8752	NUT-FULL (3/8-16-THD)	4		

9Y-1911 FILTER GP-ENGINE OIL

9Y-1911 FILTER GP-ENGINE OIL S/N 9XF96-173

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	9Y-1652	BASE AS-OIL FILTER (ENGINE)	1		
	5M-6213	PLUG-PIPE (1/4-18-THD)	1		
	2P-4304	STUD-HOLLOW	2		
	8J-6220	SETSCREW-HEX SOCKET (3/8-16X0.375-IN)	1		
2	2P-3761	COVER	1		
3	2P-3760	GASKET	1		
4	5P-8068	SEAL-O-RING	1		
5	3P-0650	SEAL-O-RING	1		
6	4B-4161	SCREW-DRIVE (NO 6X3/8-IN)	5		
7	2W-0219	SHIELD	1		
8	8S-9191	BOLT (3/8-16X4-IN)	2		
9	0S-1594	BOLT (3/8-16X1-IN)	5		
10	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	2		
11	4N-8150	SPRING	1		
12	1P-1367	PLUNGER (RELIEF VALVE)	1		

9Y-1911 FILTER GP-ENGINE OIL (continued)

Ref.	Part number	Description	Qty	Code	Group page
13	1R-1808	FILTER-ENGINE OIL (ADVANCED EFFICIENCY)	2		
14	8C-3445	CAP-DUST (ENGINE OIL FILTER)	1		
15	8C-3446	VALVE-SAMPLING (ENGINE OIL)	1		
16	6V-5048	SEAL-O-RING	1		

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