CATERPILLAR 3516B

8NW / SEBP2773

Contents

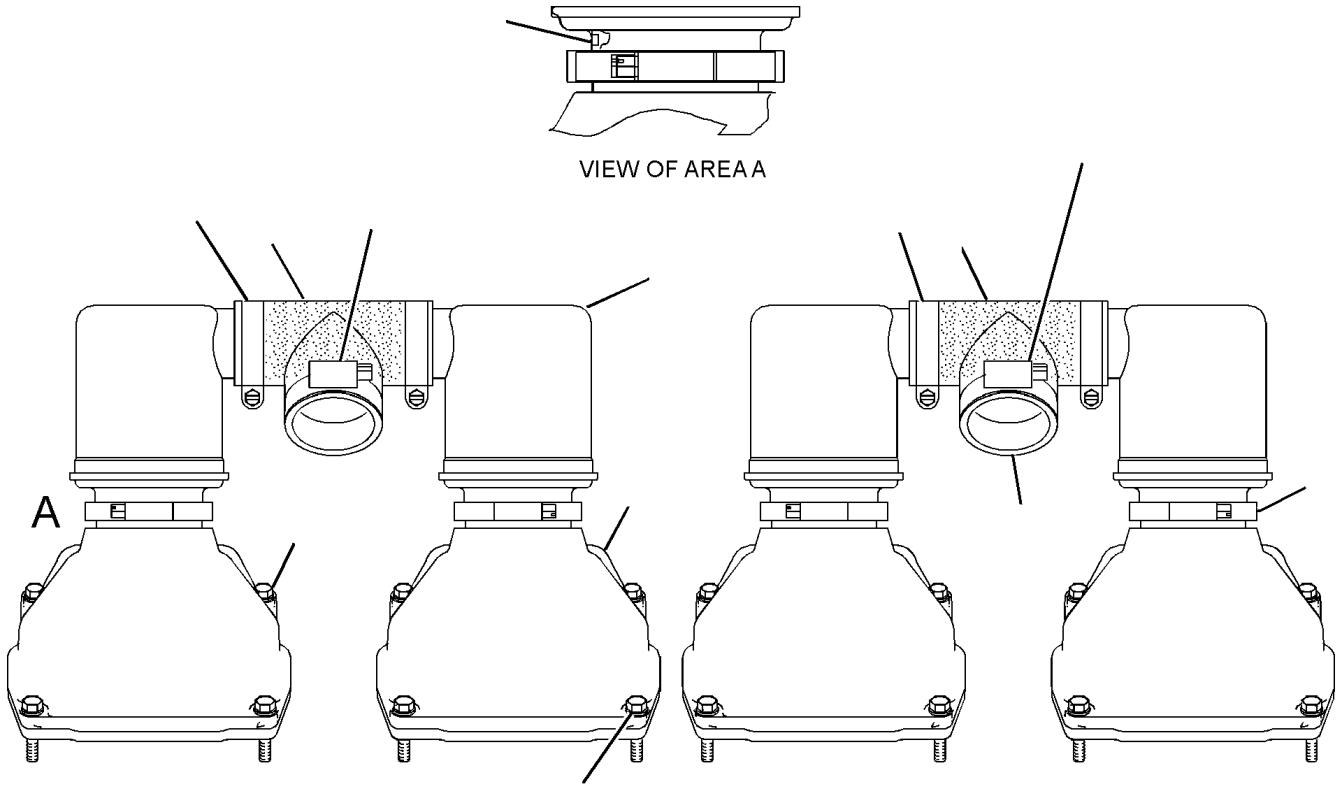
Section	Page
Lubrication system	2
Cooling system	
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Fuel system	
Electrical and electronics	
Basic engine	
Basic engine	
Basic engine	
Air inlet and exhaust	
Frame, guards and enclosure	
Fuel system	

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124-5513 BREATHER GP

124-5513 BREATHER GP S/N 1HZ1-UP

Drawing 1 of 1



LEFT SIDE VIEW OF ENGINE

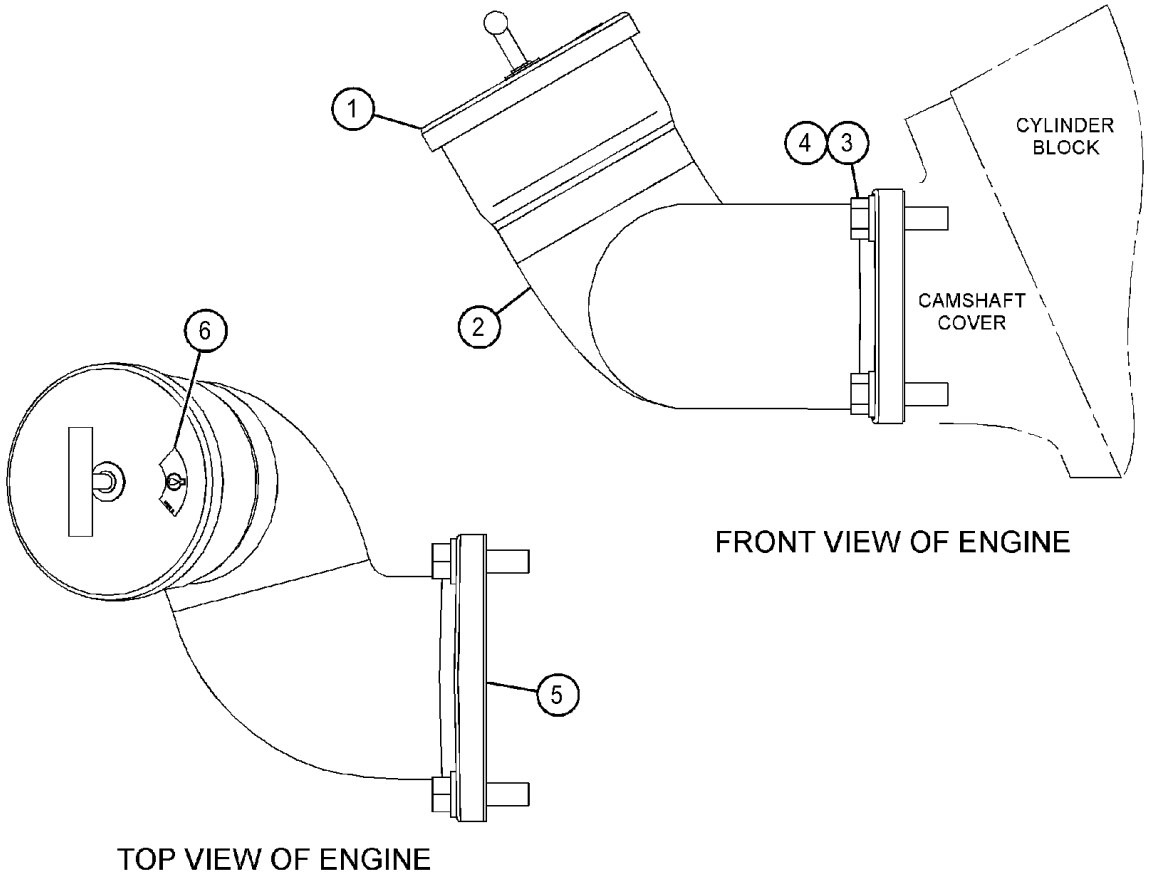
Ref.	Part number	Description	Qty.	Code	Group page
1	272-0760	SEAL-VALVE COVER (BREATHER)	4		
2	4W-3027	BREATHER AS (CRANKCASE)	4		
3	217-6692	HOSE-TEE	2		
4	033-6031	SEAL-O-RING	4		
5	1A-9579	BOLT (5/16-18X1.5-IN)	15		
6	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	15		
7	101-4199	COVER AS	4		
8	4W-3034	CLAMP-HOSE	4		
9	5P-0597	CLAMP-HOSE	4		
10	180-3007	CLAMP-HOSE	2		
11	341-6158	PLUG-PROTECTION	2	B	
12	1A-9579	BOLT (5/16-18X1.5-IN)	1	B	
13	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	1	B	

CAT codes: B.

7N-1875 FILLER GP-ENGINE OIL

7N-1875 FILLER GP-ENGINE OIL S/N 1HZ1-UP

Drawing 1 of 1



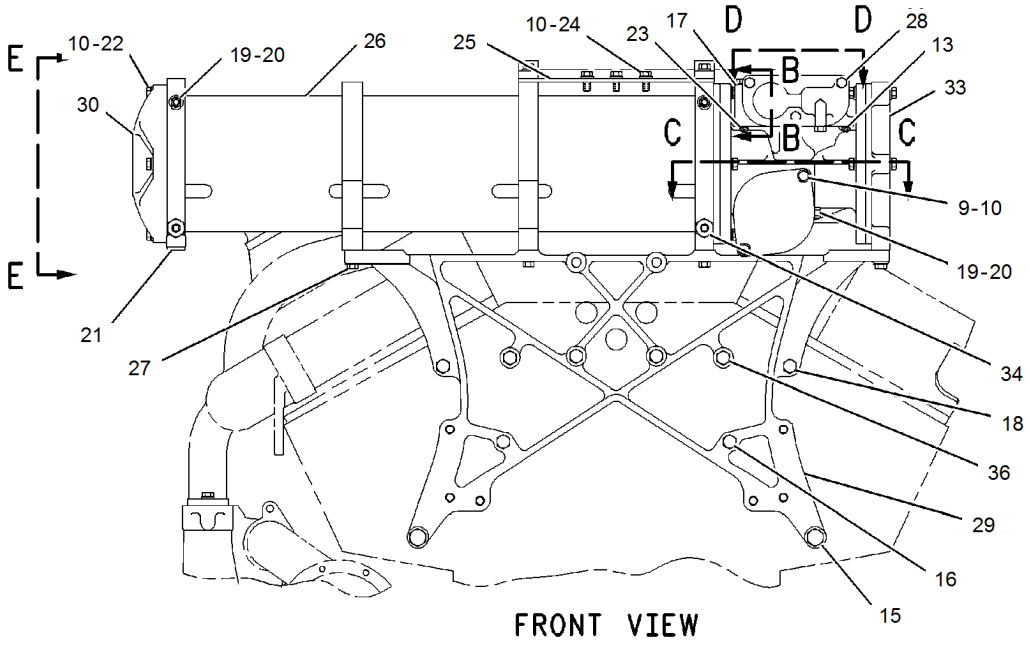
Ref.	Part number	Description	Qty.	Code	Group page
1	7L-4447	CAP AS-ENGINE OIL FILLER	1		
2	7N-5336	ELBOW-OIL FILLER	1		
3	0S-1588	BOLT (3/8-16X1.25-IN)	4		
4	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	4		
5	2W-0752	GASKET	1		
6	5P-1175	FILM-IDENTIFICATION (ENGINE OIL FILL)	1		

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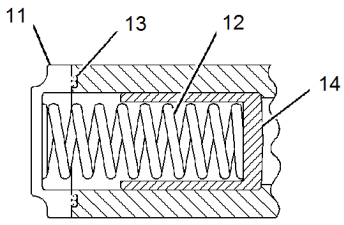
147-3171 FILTER GP-ENGINE OIL -RH

147-3171 FILTER GP-ENGINE OIL -RH S/N 1HZ1-194

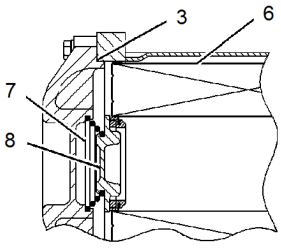
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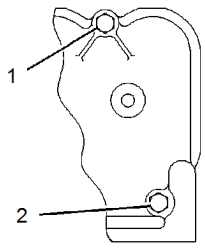
FRONT VIEW



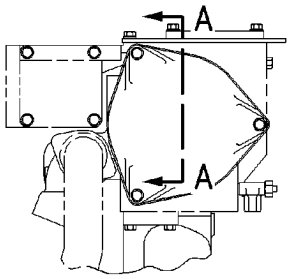
SECTION B-B



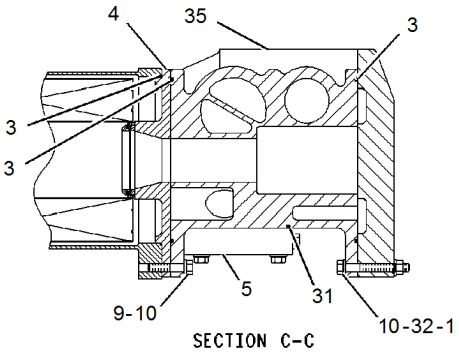
SECTION A-A



VIEW D-D



VIEW E-E



SECTION C-C

Ref.	Part number	Description	Qty.	Code	Group page
1	0L-1143	BOLT (3/8-16X2.5-IN)	3		
2	0S-1619	BOLT (3/8-16X3-IN)	2		
3	6V-3907	SEAL-O-RING	4		
4	2W-8378	ADAPTER	1		
5	4W-8459	COVER	1		

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147-3171 FILTER GP-ENGINE OIL -RH (continued)

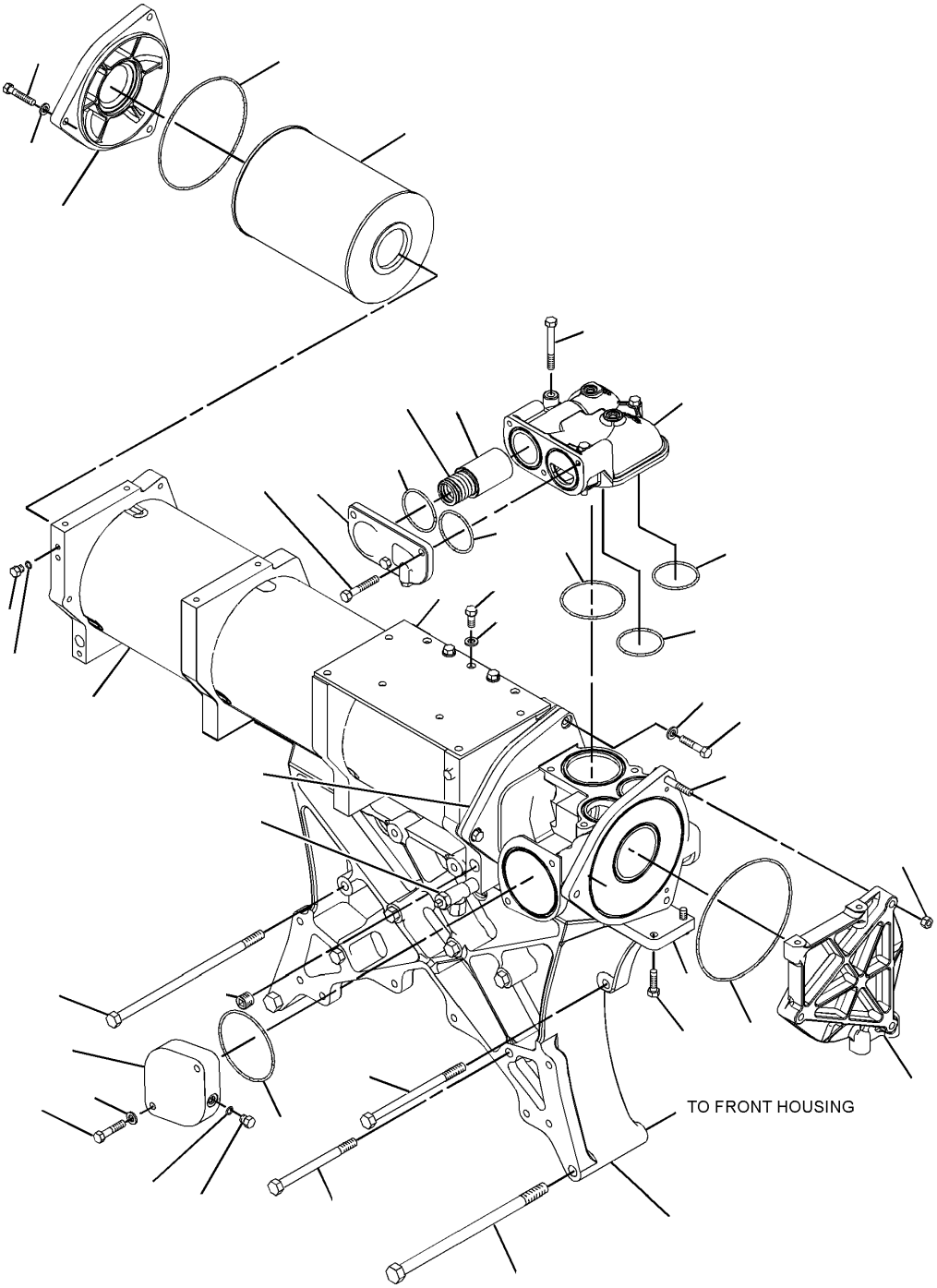
Ref.	Part number	Description	Qty.	Code	Group page
6	4P-2839	FILTER ELEMENT AS-OIL (ENGINE)(ENGINE OIL)	3		
(EACH INCLUDES)					
	4W-3251	SEAL (OIL FILTER)	2		
7	1N-2895	SPRING	1		
8	113-4634	RETAINER-FILTER	1		
9	0S-1571	BOLT (3/8-16X1.75-IN)	5		
10	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	15		
11	4W-5592	COVER	1		
12	2W-1635	SPRING	1		
13	5P-4892	SEAL-O-RING	4		
14	2W-1969	VALVE-BYPASS (OIL COOLER)	1		
15	5P-4624	BOLT (3/4-10X11.5-IN)	2		
16	1D-4574	BOLT (1/2-13X6-IN)	2		
17	111-8639	COVER-BYPASS VALVE	1		
18	4S-5882	BOLT (1/2-13X7.25-IN)	2		
19	9S-4182	PLUG (7/16-20-THD)	4		
20	6V-5048	SEAL-O-RING	4		
21	2S-5100	VALVE-MANUAL	1		
22	7F-0192	BOLT (3/8-16X2-IN)	3		
23	6V-8001	SEAL-O-RING	1		
24	0L-1351	BOLT (3/8-16X0.875-IN)	3		
25	133-9313	PLATE	1		
26	1W-2963	HOUSING AS-FILTER	1		
27	0S-1588	BOLT (3/8-16X1.25-IN)	8		
28	1M-0644	BOLT (3/8-16X2.25-IN)	3		
29	8N-9482	SUPPORT-OIL FILTER	1		
30	2W-9299	COVER-FILTER HOUSING	1		
31	5D-5957	SEAL-O-RING	1		
32	9S-8752	NUT-FULL (3/8-16-THD)	2		
33	4W-6960	SUPPORT-HOUSING	1		
34	2B-0858	PLUG-PIPE	1		
35	4W-6387	HOUSING AS (BYPASS)	1		
	7N-2043	DOWEL	3		
36	5P-5421	BOLT (1/2-13X11.5-IN)	4		

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147-3171 FILTER GP-ENGINE OIL -RH

147-3171 FILTER GP-ENGINE OIL -RH S/N 1HZ195-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		

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147-3171 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	4W-8459	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	
14	157-0443	COVER AS	1	C	
	7N-2043	DOWEL	1		
15	278-1082	HOUSING AS-FILTER (ENGINE OIL)	1	C	
16	0L-1143	BOLT (3/8-16X2.5-IN)	3		
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)	15		
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	4		
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)	4		
33	9S-8752	NUT-FULL (3/8-16-THD)	2		
34	1D-4574	BOLT (1/2-13X6-IN)	2		
35	5P-5421	BOLT (1/2-13X11.5-IN)	4		

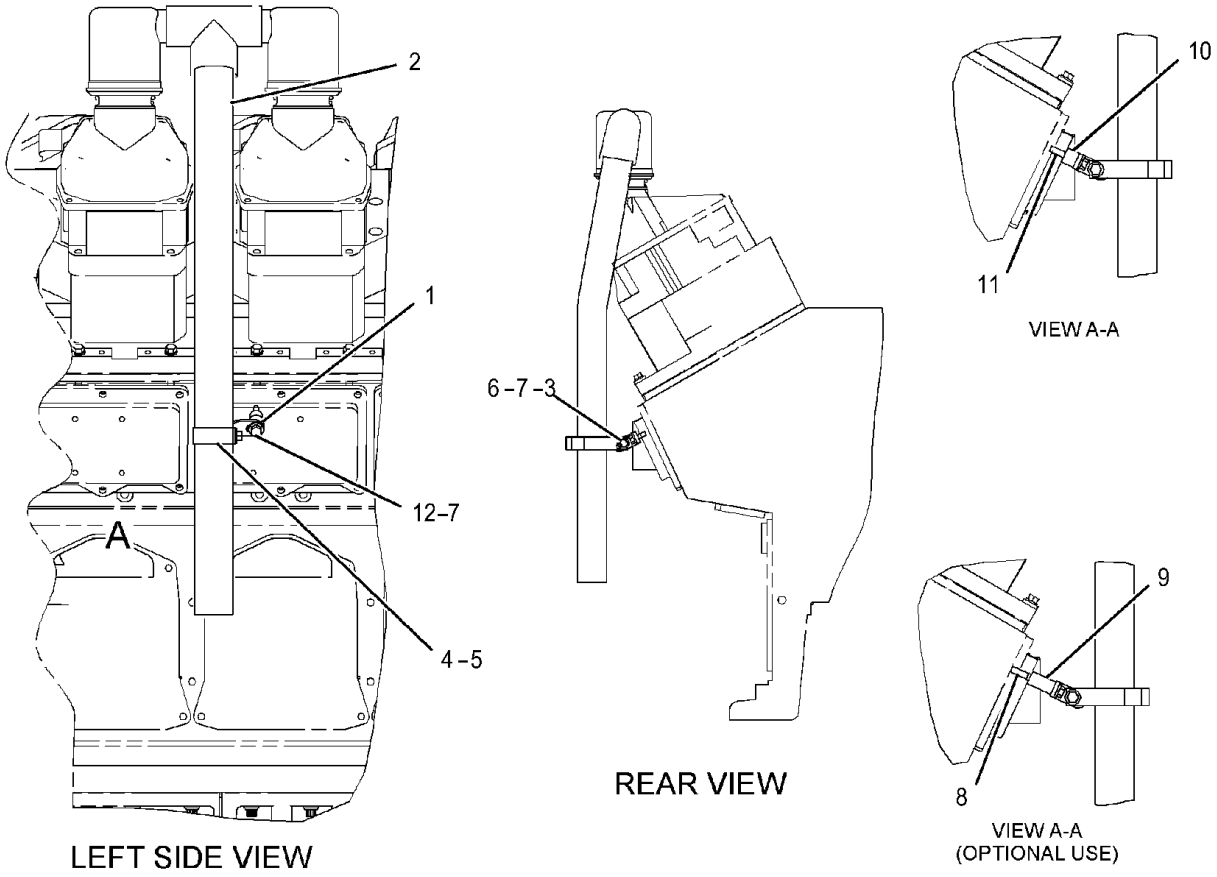
CAT codes: C.

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120-9818 FUMES DISPOSAL GP

120-9818 FUMES DISPOSAL GP S/N 1HZ1-UP

Drawing 1 of 1



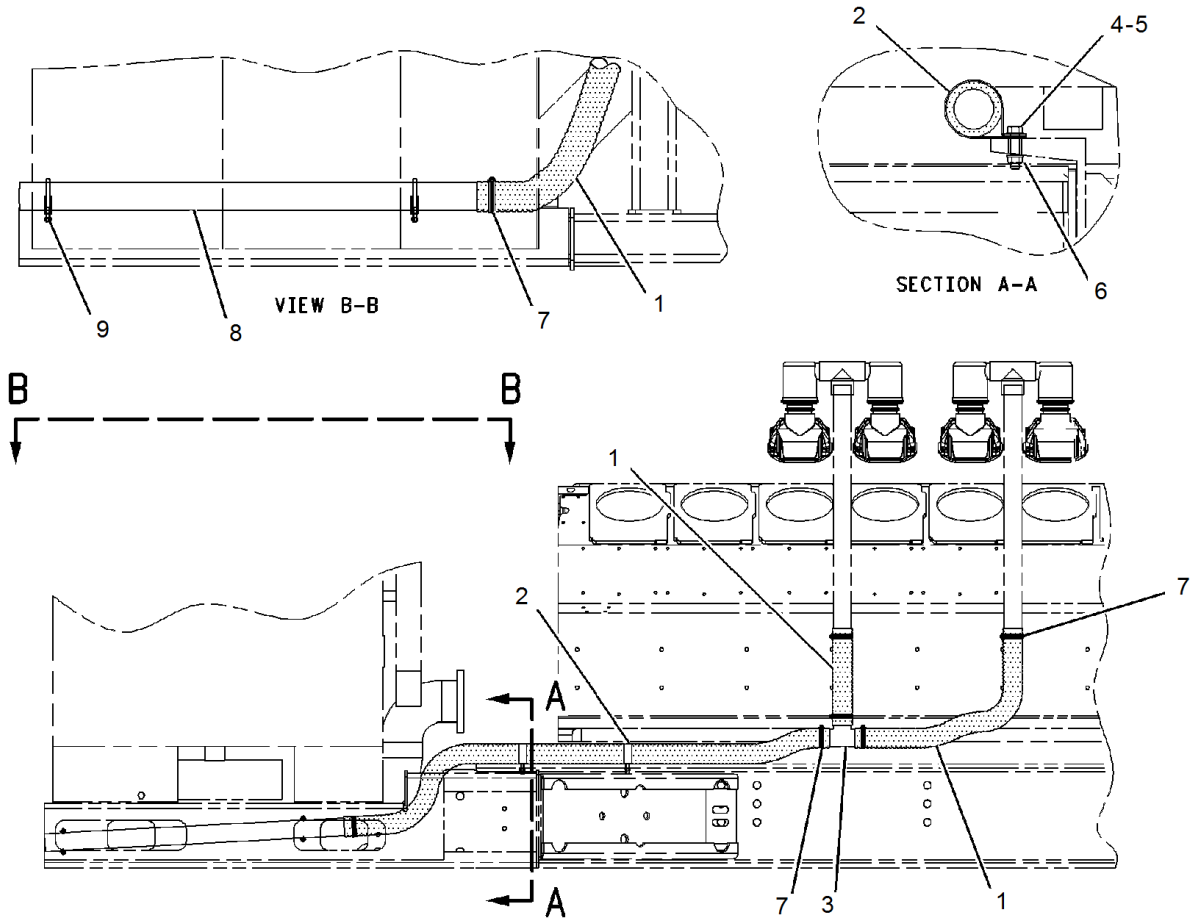
Ref.	Part number	Description	Qty.	Code	Group page
1	4P-8097	BRACKET	1		
2	118-4614	TUBE (FUMES DISPOSAL)	1		
3	1A-2029	BOLT (3/8-16X1.125-IN)	1		
4	6V-0267	CLIP (TAB)	1		
5	6V-0268	CLIP (SLOT)	1		
6	9S-8752	NUT-FULL (3/8-16-THD)	1		
7	9X-6458	WASHER-HARD (10.2X22.5X3-MM THK)	3		
8	0S-1619	BOLT (3/8-16X3-IN)	1	J	
9	6W-6672	SPACER (10.5X20X38-MM THK)	1	J	
10	9M-4594	SPACER (0.406X0.875X0.75-IN THK)	1		
11	0S-1590	BOLT (3/8-16X2-IN)	1		
12	0S-1588	BOLT (3/8-16X1.25-IN)	1		

CAT codes: J.

152-0673 FUMES DISPOSAL GP

152-0673 FUMES DISPOSAL GP S/N 8NW1-UP AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty.	Code	Group page
1	5P-1472	HOSE (305CM)		E	
2	2N-8928	CLIP	2		
3	152-0394	TEE	1		
4	8T-4186	BOLT (M10X1.5X40-MM)	2	M	
5	8T-4121	WASHER-HARD (11X21X2.5-MM THK)	4		
6	8T-4133	NUT (M10X1.5-THD)	2	M	
7	8T-6703	CLAMP-HOSE	6		
8	152-2107	TUBE	1		
9	152-0396	CLAMP	2		

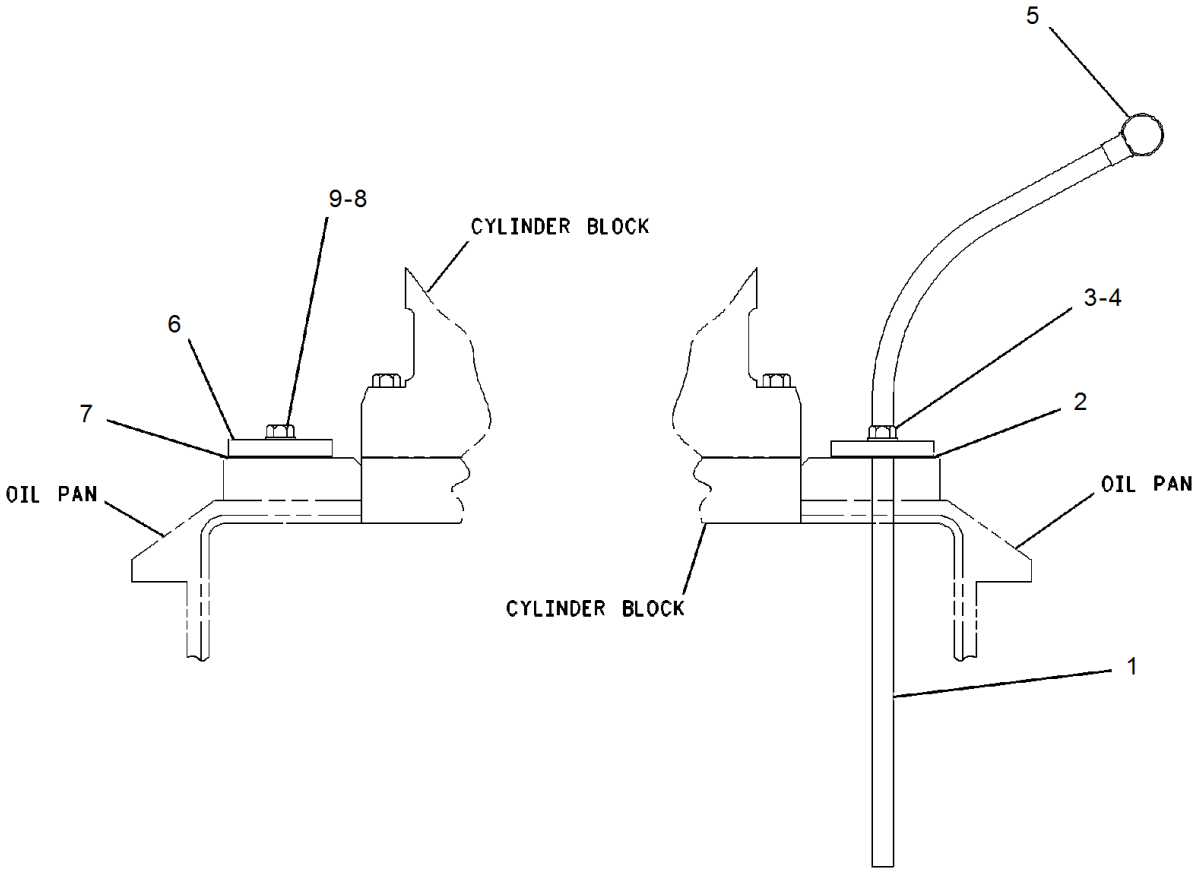
CAT codes: E, M.

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7C-6366 GAUGE GP-OIL LEVEL (DIPSTICK)

7C-6366 GAUGE GP-OIL LEVEL (DIPSTICK) S/N 1HZ1-UP

Drawing 1 of 1



Ref.	Part number	Description	Qty.	Code	Group page
1	7E-0467	TUBE AS-OIL GAUGE	1		
2	9L-1480	GASKET	1		
3	0S-1594	BOLT (3/8-16X1-IN)	2		
4	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	2		
5	4P-3784	GAUGE AS-OIL LEVEL (DIPSTICK)	1		
6	4B-3140	COVER	1	B	
7	9L-1480	GASKET	1	B	
8	0S-1594	BOLT (3/8-16X1-IN)	2	B	
9	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	2	B	

CAT codes: B.

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