

CATERPILLAR SR4

2SM / SEBP2300

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Electrical and electronics	
Basic engine	

6I-4858 GENERATOR AR

6I-4858 GENERATOR AR S/N 2SM1-UP 60-HERTZ. 480-VOLT

Arrangement composition. Follow the table links to the component drawings.

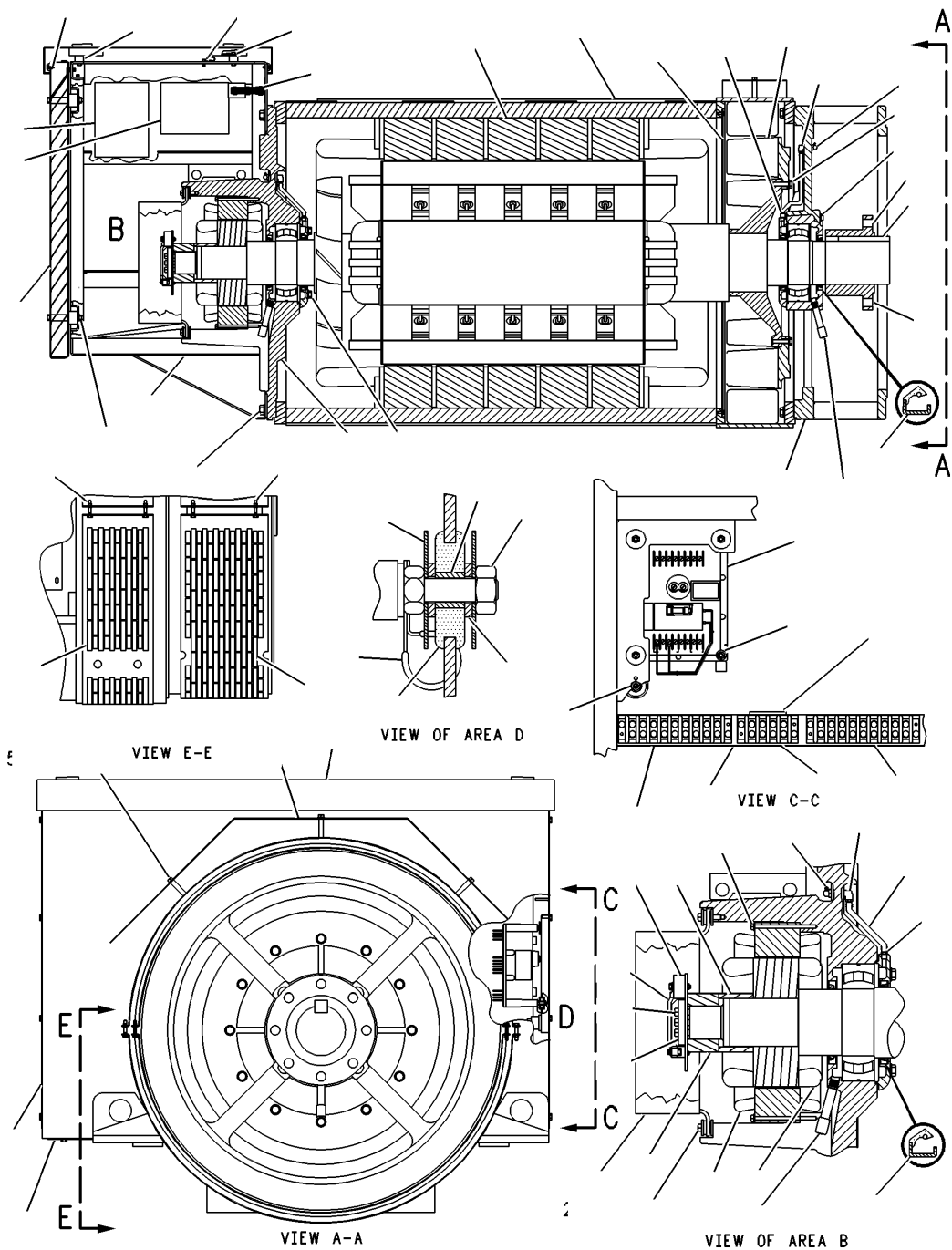
Ref.	Part number	Description	Qty	Code	Group page
	6I-4857	GENERATOR GP	1	Y	3, 7, , ,
	4W-5138	FILM-INSTRUCTION (GROUND)	1		
		(NEAR GENERATOR GROUND BOLT OR GENERATOR GROUND CUSTOMER CONNECTION POINT)			
	7W-5893	FILM-INFORMATION (GENERATOR LIFTING)	4		
		(DIRECTLY ABOVE EACH LIFTING HOLE ON GENERATOR BARREL)			
	7E-5940	FILM-INFORMATION (GENERATOR WIRING DIAGRAM)	1		
		(INSIDE OF GENERATOR CONTROL BOX)			
	110-6608	FILM-INSTRUCTION (GENERATOR NOTICE)	1		
		(ON LH SIDE OF GENERATOR BARREL TOWARDS THE TOP & CENTERED FRONT TO REAR)			
	7W-4445	FILM-WARNING (DANGER VOLTAGE)	2		
		(ON RH & LH GENERATOR SIDE PANELS LOCATED 4-5 INCHES FROM REAR & TOP OF GENERATOR)			
	106-8061	PLATE-GENERATOR (GREASE BEARING)	1		
		(ON GENERATOR FRONT PANEL ASSEMBLY ON RH SIDE OF PACKAGE NEXT TO GENERATOR INFORMATION PLATE)			
	4P-6410	PLATE-INFORMATION (GENERATOR)	1		
		(ON GENERATOR FRONT PANEL ASSEMBLY ON RH SIDE OF PACKAGE)			
	1W-7848	PLATE-SERIAL NUMBER (ENGLISH)	1		
		(ON RH SIDE OF GENERATOR BARREL AT FRONT USING 2K3219 DRIVE SCREWS)			
	2K-3219	SCREW-DRIVE (NO 6X0.25-IN)	2		

CAT codes: Y.

6I-4857 GENERATOR GP

6I-4857 GENERATOR GP S/N 2SM1-UP 60-HERTZ. 480-VOLT. 809-FRAME, 4-POLE, 6-LEAD PART OF 6I-4858 GENERATOR AR Type 1

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	115-7101	STATOR AS	1		
2	114-5357	DEFLECTOR	2		
3	1A-1460	BOLT (1/2-13X2-IN)	12		
4	5P-8245	WASHER-HARD (13.5X25.5X3-MM THK)	16		

6I-4857 GENERATOR GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
5	7E-4271	HUB-FLEXIBLE COUPLING	1	Y	
6	5N-8539	KEY	1		
7	1A-5964	BOLT (3/8-16X4.5-IN)	4		
8	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	4		
9	3B-8488	FITTING-GREASE (1/8-27 PTF)	2		
10	7W-8706	FITTING	3		
11	7W-8705	FITTING	4		
12	7W-8737	HOSE	1		
13	7C-9161	SEAL	2		
14	7E-3087	FAN (12-BLADE)	1		
15	3J-5390	PLUG (3/8-18-THD)	2		
16	5D-1707	FITTING	2		
17	5B-1309	COUPLING-PIPE	2		
18	0S-1585	BOLT (1/2-13X1.5-IN)	4		
19	1A-8063	BOLT (3/4-10X2.5-IN)	6		
20	5H-1504	WASHER-HARD (20X33.5X5-MM THK)	6		
21	7W-8873	STATOR AS-EXCITER	1		
22	8H-8769	BOLT (5/16-18X4.25-IN)	4		
23	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	9		
24	7C-7164	ROTOR-EXCITER	1		
25	6I-1388	BRACKET	1		
26	0S-1591	BOLT (3/8-16X1.5-IN)	4		
27	7X-0578	WASHER-HARD (10.2X32X2.5-MM THK)	8		
28	7E-8303	GROMMET	4		
29	7E-1267	TRANSFORMER AS	1		
30	7E-0132	SLEEVE-SHAFT	1		
31	7E-0133	SLEEVE AS-SHAFT	1		
32	4P-6007	HEAT SINK AS	1	Y	
33	0S-1571	BOLT (3/8-16X1.75-IN)	4		
34	107-6274	SPACER (20.57X86.36X12.45-MM THK)	1		
35	9Y-5828	HARNESS AS-WIRING (RECTIFIER)	1		
36	7E-8372	COVER AS-EXCITER	1		
37	7E-5021	FRAME AS	1		
38	7W-9971	COVER-BOTTOM	1		
39	7W-9984	LOUVER-BOX	1		
40	054-8671	MOUNT	4		

6I-4857 GENERATOR GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
41	6V-8801	NUT (3/8-16-THD)	12		
42	8F-3590	LOCKWASHER	6		
43	7E-3035	BUMPER	6		
44	5M-5845	SCREW (10-32X0.625-IN)	6		
45	4B-2049	NUT (10-32-THD)	6		
46	7E-5940	FILM-INFORMATION (GENERATOR WIRING DIAGRAM)	1		
47	7C-5711	FILM-INSTRUCTION (VOLTAGE CONTROL ADJUSTMENT)	1		
48	7C-1884	MOUNT-FLEXIBLE	4		
49	5S-7349	BOLT (1/4-20X0.5-IN)	1		
50	9Y-2902	STRAP	1		
51	7C-7525	COVER AS-TOP	1		
	5N-3167	SEAL-RING	10		
	5N-3176	PLUG-BUTTON	10		
	6D-7128	SEAL-O-RING	4		
	8P-7065	PLUG-BUTTON	4		
	8T-9587	SEAL-O-RING	4		
	030-2284	PLUG-BUTTON	4		
52	117-0012	COVER-STATOR	1		
53	108-3173	SCREEN AS (INLET)	2		
54	109-6951	SCREEN AS-AIR	2		
55	4P-0348	PANEL	2		
56	7E-8391	COVER	1		
57	1D-4538	BOLT (5/16-18X2.25-IN)	5		
58	7E-4475	TUBE-SPACER (8.3X11.9X50.8-MM THK)	5		
59	4M-5282	BOLT (1/4-20X1.5-IN)	8		
60	7C-5708	GROMMET	3		
61	8J-1256	CLIP	1		
62	6V-8185	NUT (1/4-20-THD)	4		
63	7C-8760	RHEOSTAT AS	1		
64	5P-0537	WASHER-HARD (7.2X14.5X2-MM THK)	7		
65	033-2075	WASHER (0.266X1.25X0.06-IN THK)	6		
66	7C-5709	SLEEVE	3		
67	7C-2663	REGULATOR AS-VOLTAGE	1	Y	
68	3N-8764	FILM-CONNECTION (SPACE HEATER)	1		
69	7W-8890	BRACKET-TERMINAL	1		
70	7E-1222	STRIP-TERMINAL	2		

6I-4857 GENERATOR GP (continued)

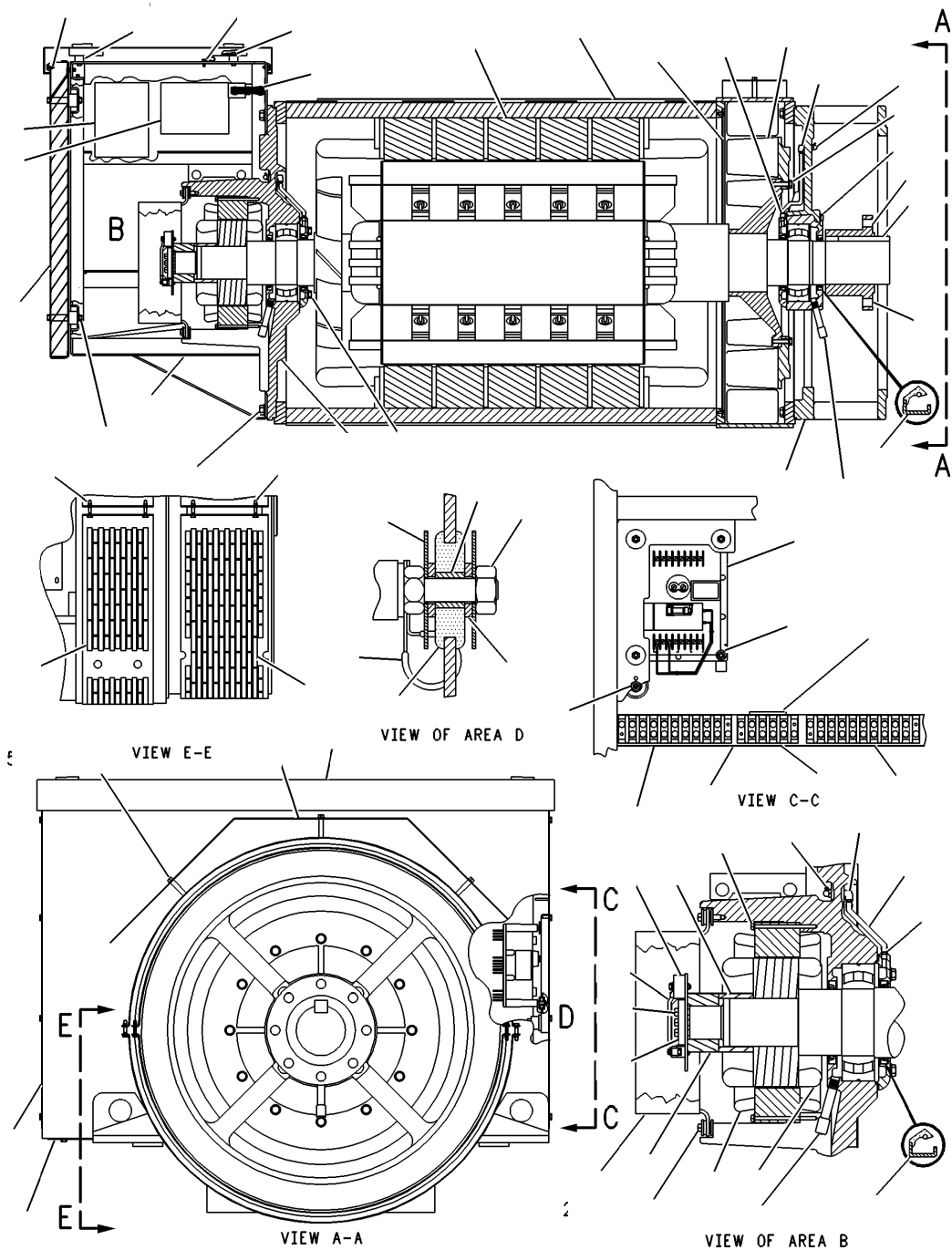
Ref.	Part number	Description	Qty	Code	Group page
71	7E-1223	MARKER	1		
72	7E-1224	MARKER	1		
73	3N-8763	STRIP-TERMINAL	1		
74	6L-7575	STRIP-TERMINAL	1		
75	115-5092	ADAPTER-COUPLING	1		
76	8T-4205	WASHER-HARD (7.2X14.5X2-MM THK)	8		
AVAILABLE REPAIR KIT(S):					
	7C-2696	KIT-SPACE HEATER (GENERATOR)	1	Y	
	7E-8407	KIT-ROTOR BALANCE WEIGHT (GENERATOR)	1		
(INCLUDES SCREWS, WASHERS, PLUGS, CAPS, LOCKWASHERS)					

CAT codes: Y.

6I-4857 GENERATOR GP

6I-4857 GENERATOR GP S/N 2SM1-UP 60-HERTZ. 480-VOLT. 809-FRAME, 4-POLE, 6-LEAD PART OF 6I-4858 GENERATOR AR Type 2

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	115-7101	STATOR AS	1		
2	114-5357	DEFLECTOR	2		
3	1A-1460	BOLT (1/2-13X2-IN)	12		
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7	1A-5964	BOLT (3/8-16X4.5-IN)	4		
8	5M-2894	WASHER-HARD (10.2X18.5X2.5-MM THK)	4		
9	3B-8488	FITTING-GREASE (1/8-27 PTF)	2		
10	7W-8706	FITTING	3		
11	7W-8705	FITTING	4		
12	7W-8737	HOSE	1		
13	7C-9161	SEAL	2		
14	7E-3087	FAN (12-BLADE)	1		
15	3J-5390	PLUG (3/8-18-THD)	2		
16	5D-1707	FITTING	2		
17	5B-1309	COUPLING-PIPE	2		
18	0S-1585	BOLT (1/2-13X1.5-IN)	4		
19	1A-8063	BOLT (3/4-10X2.5-IN)	6		
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21	7W-8873	STATOR AS-EXCITER	1		
22	8H-8769	BOLT (5/16-18X4.25-IN)	4		
23	9M-1974	WASHER-HARD (8.8X16X2-MM THK)	9		
24	7C-7164	ROTOR-EXCITER	1		
25	6I-1388	BRACKET	1		
26	0S-1591	BOLT (3/8-16X1.5-IN)	4		
27	7X-0578	WASHER-HARD (10.2X32X2.5-MM THK)	8		
28	7E-8303	GROMMET	4		
29	7E-1267	TRANSFORMER AS	1		
30	7E-0132	SLEEVE-SHAFT	1		
31	7E-0133	SLEEVE AS-SHAFT	1		
32	110-4171	HEAT SINK AS	1	CY	
33	0S-1571	BOLT (3/8-16X1.75-IN)	4		
34	107-6274	SPACER (20.57X86.36X12.45-MM THK)	1		
35	110-4172	HARNESS AS-WIRING (RECTIFIER)	1	C	
36	7E-8372	COVER AS-EXCITER	1		
37	7E-5021	FRAME AS	1		
38	7W-9971	COVER-BOTTOM	1		
39	7W-9984	LOUVER-BOX	1		
40	054-8671	MOUNT	4		

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6I-4857 GENERATOR GP (continued)

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74	6L-7575	STRIP-TERMINAL	1		
75	115-5092	ADAPTER-COUPLING	1		
76	8T-4205	WASHER-HARD (7.2X14.5X2-MM THK)	8		
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	7E-8407	KIT-ROTOR BALANCE WEIGHT (GENERATOR)	1		
(INCLUDES SCREWS, WASHERS, PLUGS, CAPS, LOCKWASHERS)					

CAT codes: C, Y.

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