

CATERPILLAR BP25

AEH / SEBP3142

Contents

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Cooling system	4
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Air inlet and exhaust	
Cooling system	
Basic engine	

363-4263 WIRING GP-CONTROL

363-4263 WIRING GP-CONTROL S/N AEH1-UP FOR USE WITH BP25 AN ATTACHMENT

Kit / parts list. The current source card does not provide a separate drawing.

Ref.	Part number	Description	Qty	Code	Group page
	8T-4195	BOLT (M10X1.5X30-MM)	2	M	
	363-4102	BRACKET	1		
	113-8491	FUSE (15-AMPERE)	1		
	159-9496	LOCKWASHER	1		
	159-9495	NUT (1-1/2-18-THD)	1		
	2S-1043	SPLICE-WIRE	2		
	7K-1181	STRAP-CABLE	15		
	173-2192	SWITCH AS-ROCKER (WATER SPRAY)	1		
	173-2194	SWITCH AS-ROCKER (BROOM)	1		
	9W-2033	TERMINAL-BLADE (14-GA TO 16-GA)	1		
	8T-4121	WASHER-HARD (11X21X2.5-MM THK)	2		
	173-2196	WIRE AS	1		
	173-2197	WIRE AS	1		
	173-2199	WIRE AS	1		
	173-2201	WIRE AS	1		
	173-2203	WIRE AS	1		

CAT codes: M.

173-2190 WIRING GP-WORK TOOL

173-2190 WIRING GP-WORK TOOL S/N AEH1-UP AN ATTACHMENT

Kit / parts list. The current source card does not provide a separate drawing.

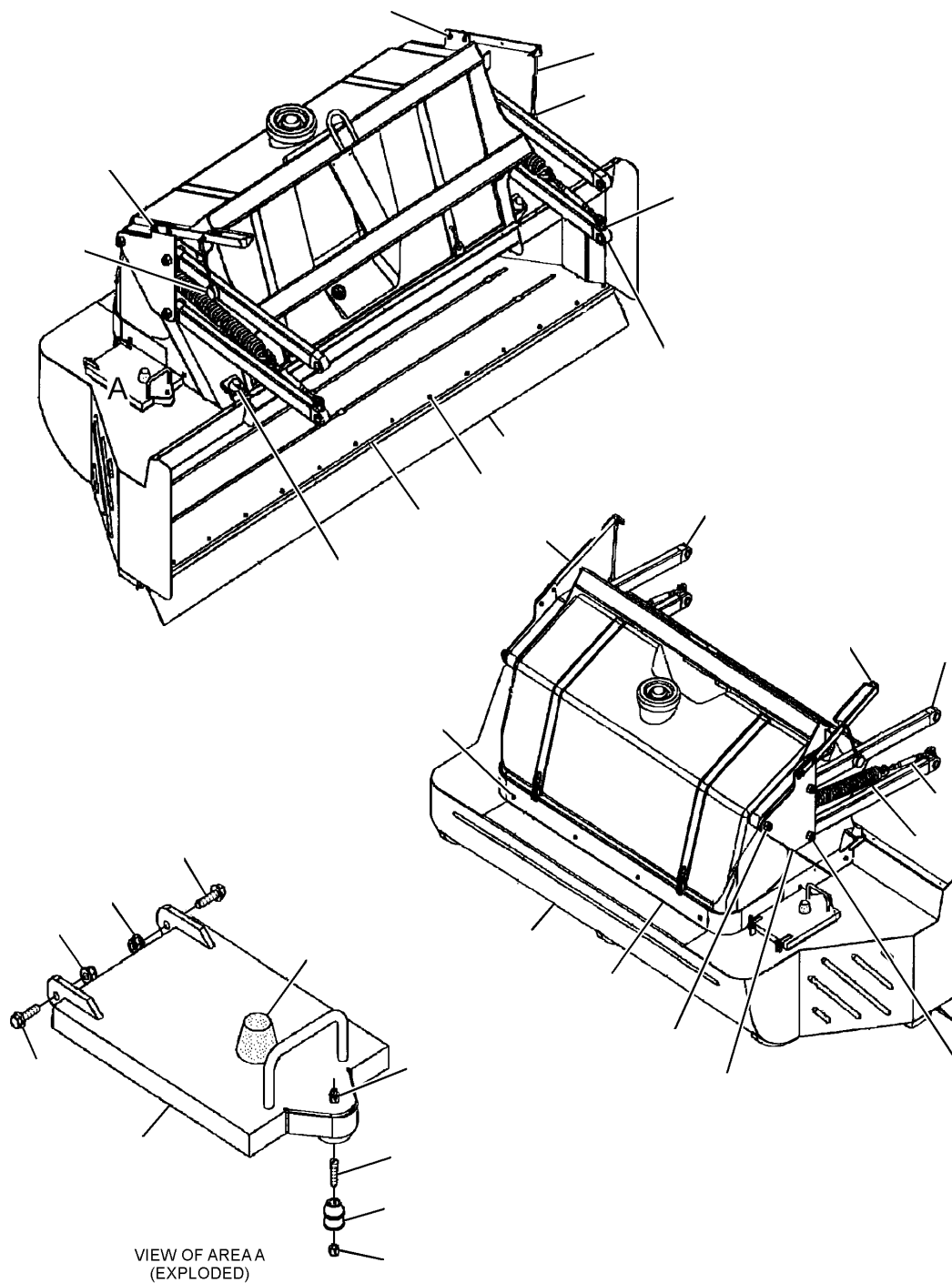
Ref.	Part number	Description	Qty	Code	Group page
	173-2196	WIRE AS	1		
	173-2197	WIRE AS	1		
	173-2199	WIRE AS	1		
	173-2201	WIRE AS	1		
	173-2203	WIRE AS	1		
	8T-4195	BOLT (M10X1.5X30-MM)	2	M	
	173-3241	BRACKET	1		
	113-8491	FUSE (15-AMPERE)	1		
	159-9496	LOCKWASHER	1		
	159-9495	NUT (1-1/2-18-THD)	1		
	2S-1043	SPLICE-WIRE	2		
	7K-1181	STRAP-CABLE	15		
	173-2192	SWITCH AS-ROCKER (WATER SPRAY)	1		
	173-2194	SWITCH AS-ROCKER (BROOM)	1		
	9W-2033	TERMINAL-BLADE (14-GA TO 16-GA)	1		

CAT codes: M.

166-3955 FRAME GP-BROOM

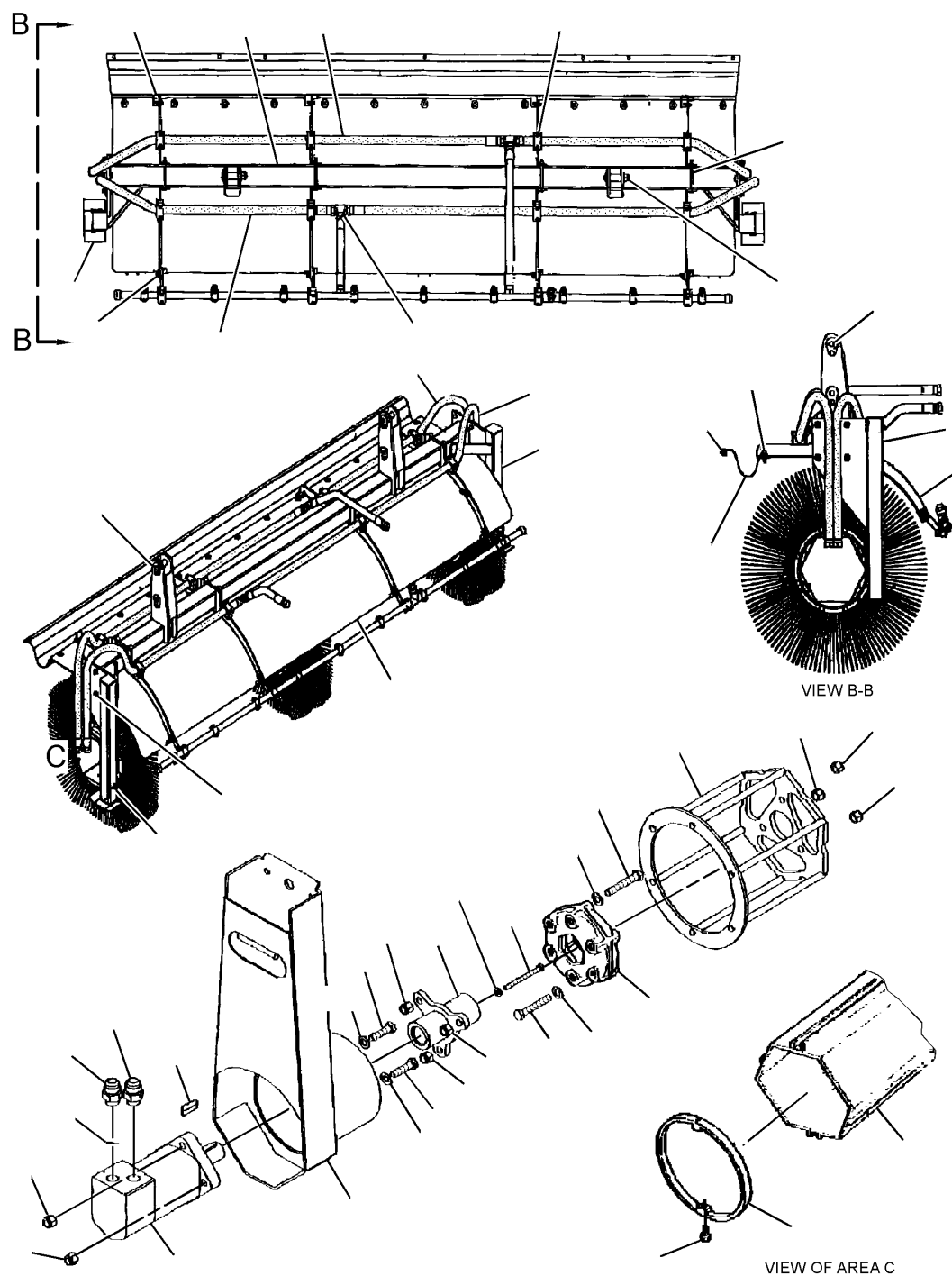
166-3955 FRAME GP-BROOM S/N AEH1-UP PART OF 158-0253, 164-8489 BROOM AR-PICKUP Type 1

Drawing 1 of 2



166-3955 FRAME GP-BROOM (continued)

Drawing 2 of 2



Ref.	Part number	Description	Qty	Code	Group page
1	6V-7357	BOLT (M6X1X25-MM)	34	M	
2	6V-7687	LOCKNUT (M12X1.75-THD)	25	M	
3	6V-7688	LOCKNUT (M20X2.5-THD)	6	M	
4	6V-7743	LOCKNUT (M6X1-THD)	48	M	
5	6V-8642	CONNECTOR	4		
6	7J-9108	SEAL-O-RING	8		

166-3955 FRAME GP-BROOM (continued)

Ref.	Part number	Description	Qty	Code	Group page
7	7X-2537	BOLT (M8X1.25X35-MM)	4	M	
8	7X-2539	BOLT (M8X1.25X110-MM)	4	M	
9	7X-7703	TEE-UNION	2		
10	8C-0572	WASHER (8.8X25.5X2-MM THK)	6		
11	8C-6504	SEAL-BONDED	4		
12	8T-0389	LOCKNUT (M10X1.5-THD)	8	M	
13	8T-4123	WASHER (3.62X5.75X0.375-MM THK)	4		
14	8T-4138	BOLT (M6X1X20-MM)	11	M	
15	8T-4177	BOLT (M8X1.25X90-MM)	2	M	
16	8T-4184	BOLT (M12X1.75X45-MM)	8	M	
17	8T-4189	BOLT (M8X1.25X20-MM)	10	M	
18	8T-4195	BOLT (M10X1.5X30-MM)	8	M	
19	8T-4200	BOLT (M8X1.25X16-MM)	4	M	
20	8T-4223	WASHER-HARD (13.5X25.5X3-MM THK)	20		
21	8T-4224	WASHER-HARD (8.8X16X2-MM THK)	6		
22	8T-4778	LOCKNUT (M16X2-THD)	4	M	
23	8T-6868	BOLT (M12X1.75X80-MM)	12	M	
24	8T-7547	BOLT (M8X1.25X30-MM)	4	M	
25	087-4666	LOCKNUT (M8X1.25-THD)	30	M	
26	095-0743	SCREW (M6X1X35-MM)	16	M	
27	104-5604	WASHER (7.2X25X2-MM THK)	15		
28	138-3417	COUPLING	2		
29	138-3419	CARRIER	2		
30	138-3423	RING-CLAMP	2		
31	138-3440	PIN AS	2		
32	138-3572	CAP-PLASTIC	2		
33	138-9531	LIMITER	1		
34	175-2248	INDICATOR GP-HEIGHT (BROOM)	1	Y	
35	139-0428	CLAMP	8		
36	139-1407	KEY	2		
37	142-2342	CORE-BRUSH	1		
38	155-5031	BUSHING	16		
39	156-1550	BRACKET	2		
40	156-1551	CORE-BRUSH	2		
41	156-1557	HOLDER	8		
42	157-2544	MOTOR GP-BROOM	2	J	

166-3955 FRAME GP-BROOM (continued)

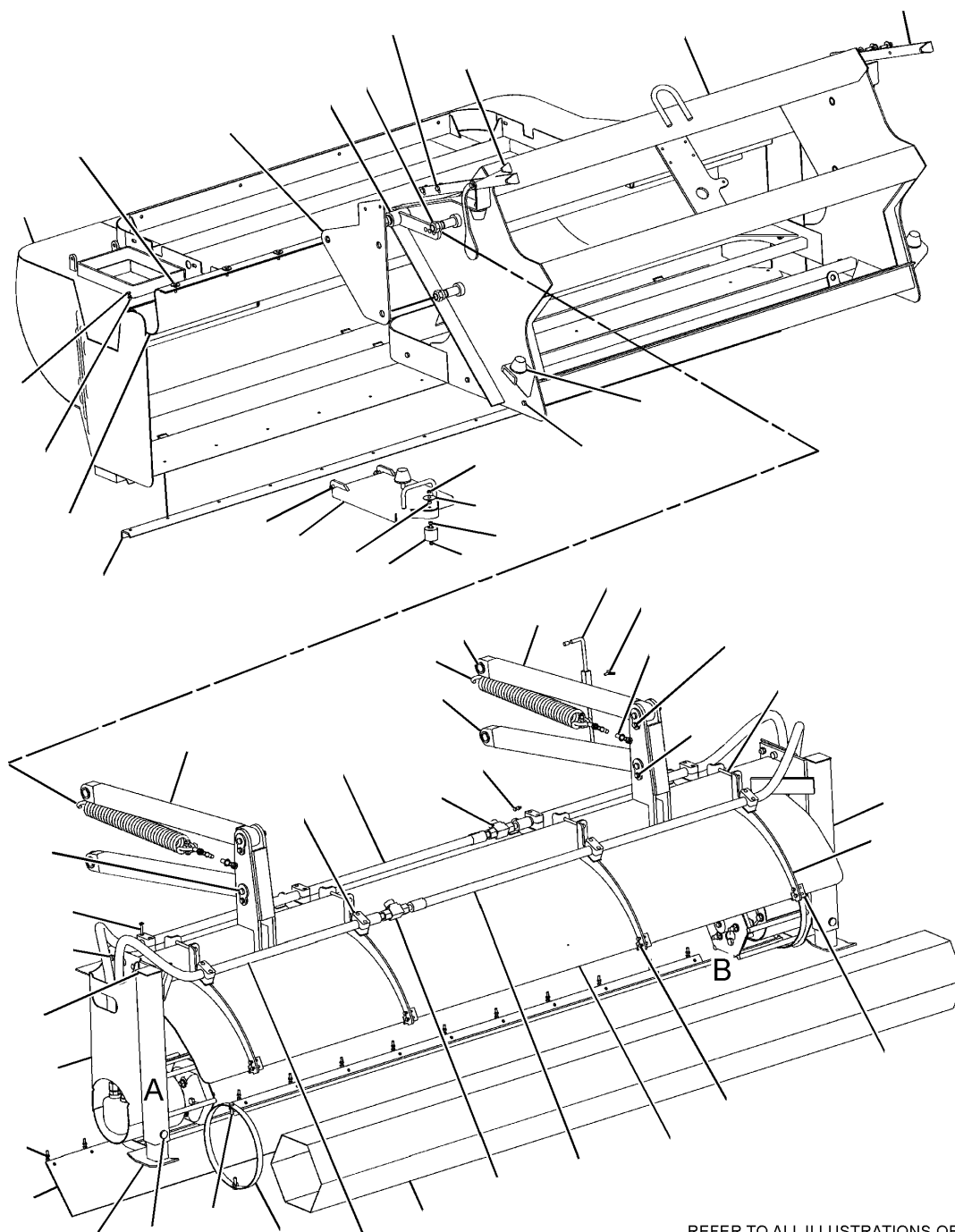
Ref.	Part number	Description	Qty	Code	Group page
43	158-2801	COVER-BRUSH	1		
44	160-1746	CONTAINER-DEBRIS	1		
45	177-2927	STRIP-RUBBER	1		
46	177-2928	STRIP	1		
47	160-1750	PLATE	2		
48	160-1753	BRACKET	2		
49	160-1754	BRACKET	2		
50	160-1755	TURNBUCKLE	2		
51	160-1765	PAD-RUBBER	4		
52	160-1772	SPRING	2		
53	160-1774	BRACKET (LH)	1		
54	160-1775	BRACKET (RH)	1		
55	160-1776	FRAME AS	1		
56	160-1780	INDICATOR	1		
57	160-1781	SCREW-SPECIAL	1		
58	177-2926	STRIP	1		
59	160-4300	SUPPORT	2		
60	160-4311	TUBE	1		
61	160-4312	PIN	4		
62	166-7219	HOSE AS	2	I	
63	160-4316	RIB	4		
64	166-7302	HOSE AS	2	I	
65	6V-5192	BOLT-SOCKET HEAD (M8X1.25X30-MM)	2	M	
66	177-2922	COVER	1		
67	160-1765	PAD-RUBBER	1		
68	8T-0269	BOLT-SOCKET HEAD (M6X1X20-MM)	1	M	
69	6C-4000	SHIM (1-MM THK)	1		
70	3T-0849	BOLT-SOCKET HEAD (M6X1X25-MM)	1	M	
71	177-2925	CATCH	1		
AVAILABLE REPAIR KIT(S):					
	158-6329	KIT-SEAL (BROOM MOTOR)(BROOM MOTOR)	1	J	

CAT codes: I, J, M, Y.

166-3955 FRAME GP-BROOM

166-3955 FRAME GP-BROOM S/N AEH1-UP PART OF 158-0253, 164-8489, 352-0180 BROOM AR-PICKUP Type 2

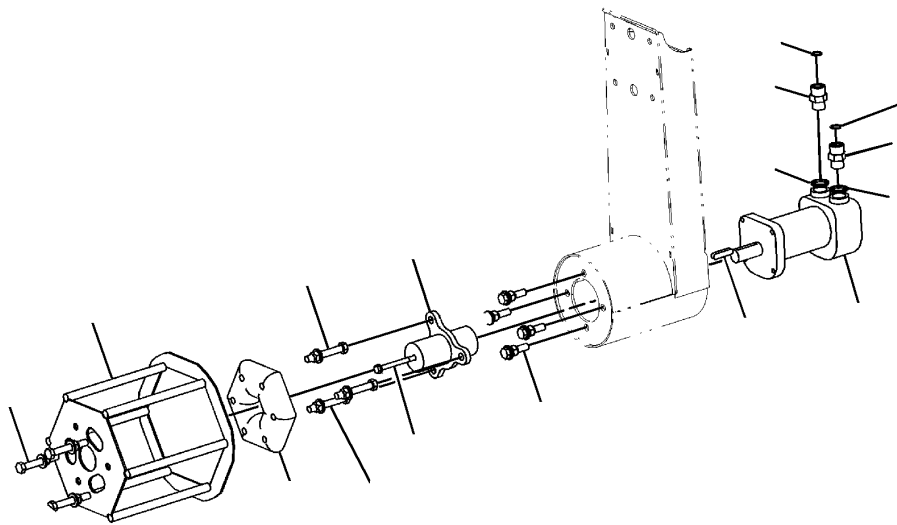
Drawing 1 of 2



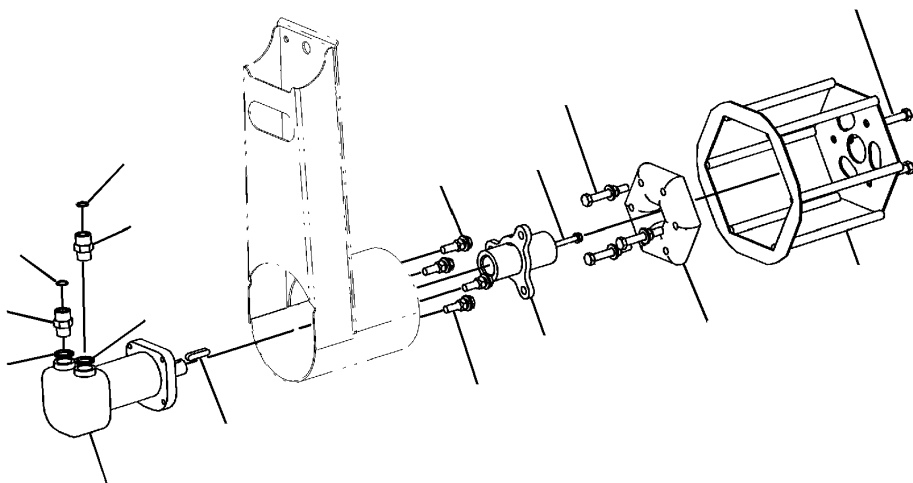
REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

166-3955 FRAME GP-BROOM (continued)

Drawing 2 of 2



VIEW OF AREA B
(EXPLODED)



VIEW OF AREA A
(EXPLODED)

Ref.	Part number	Description	Qty	Code	Group page
1	6V-7357	BOLT (M6X1X25-MM)	35	CM	
2	6V-7687	LOCKNUT (M12X1.75-THD)	25	M	
3	6V-7688	LOCKNUT (M20X2.5-THD)	6	M	
4	6V-7743	LOCKNUT (M6X1-THD)	48	M	
5	6V-8642	CONNECTOR	4		
6	7J-9108	SEAL-O-RING	8		

166-3955 FRAME GP-BROOM (continued)

Ref.	Part number	Description	Qty	Code	Group page
7	7X-2537	BOLT (M8X1.25X35-MM)	4	M	
8	7X-2539	BOLT (M8X1.25X110-MM)	4	M	
9	7X-7703	TEE-UNION	2		
10	8C-0572	WASHER (8.8X25.5X2-MM THK)	6		
11	8C-6504	SEAL-BONDED	4		
12	8T-0389	LOCKNUT (M10X1.5-THD)	8	M	
13	8T-4123	WASHER (3.62X5.75X0.375-MM THK)	4		
14	8T-4138	BOLT (M6X1X20-MM)	11	M	
15	8T-4177	BOLT (M8X1.25X90-MM)	2	M	
16	8T-4184	BOLT (M12X1.75X45-MM)	8	M	
17	8T-4189	BOLT (M8X1.25X20-MM)	10	M	
18	8T-4195	BOLT (M10X1.5X30-MM)	8	M	
19	8T-4200	BOLT (M8X1.25X16-MM)	4	M	
20	8T-4223	WASHER-HARD (13.5X25.5X3-MM THK)	20		
21	8T-4224	WASHER-HARD (8.8X16X2-MM THK)	6		
22	8T-4778	LOCKNUT (M16X2-THD)	4	M	
23	8T-6868	BOLT (M12X1.75X80-MM)	12	M	
24	8T-7547	BOLT (M8X1.25X30-MM)	4	M	
25	087-4666	LOCKNUT (M8X1.25-THD)	20	CM	
26	095-0743	SCREW (M6X1X35-MM)	16	M	
27	104-5604	WASHER (7.2X25X2-MM THK)	13	C	
28	138-3417	COUPLING	2		
29	138-3419	CARRIER	2		
30	138-3423	RING-CLAMP	2		
31	138-3440	PIN AS	2		
32	138-3572	CAP-PLASTIC	2		
33	138-9531	LIMITER	1		
34	138-9532	INDICATOR GP-HEIGHT	1	CY	
35	139-0428	CLAMP	16	C	
36	139-1407	KEY	2		
37	142-2342	CORE-BRUSH	1		
38	155-5031	BUSHING	16		
39	156-1550	BRACKET	2		
40	156-1551	CORE-BRUSH	2		
41	156-1557	HOLDER	8		
42	157-2544	MOTOR GP-BROOM	2	J	

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