

CATERPILLAR VRG50

CWS / SEBP3342

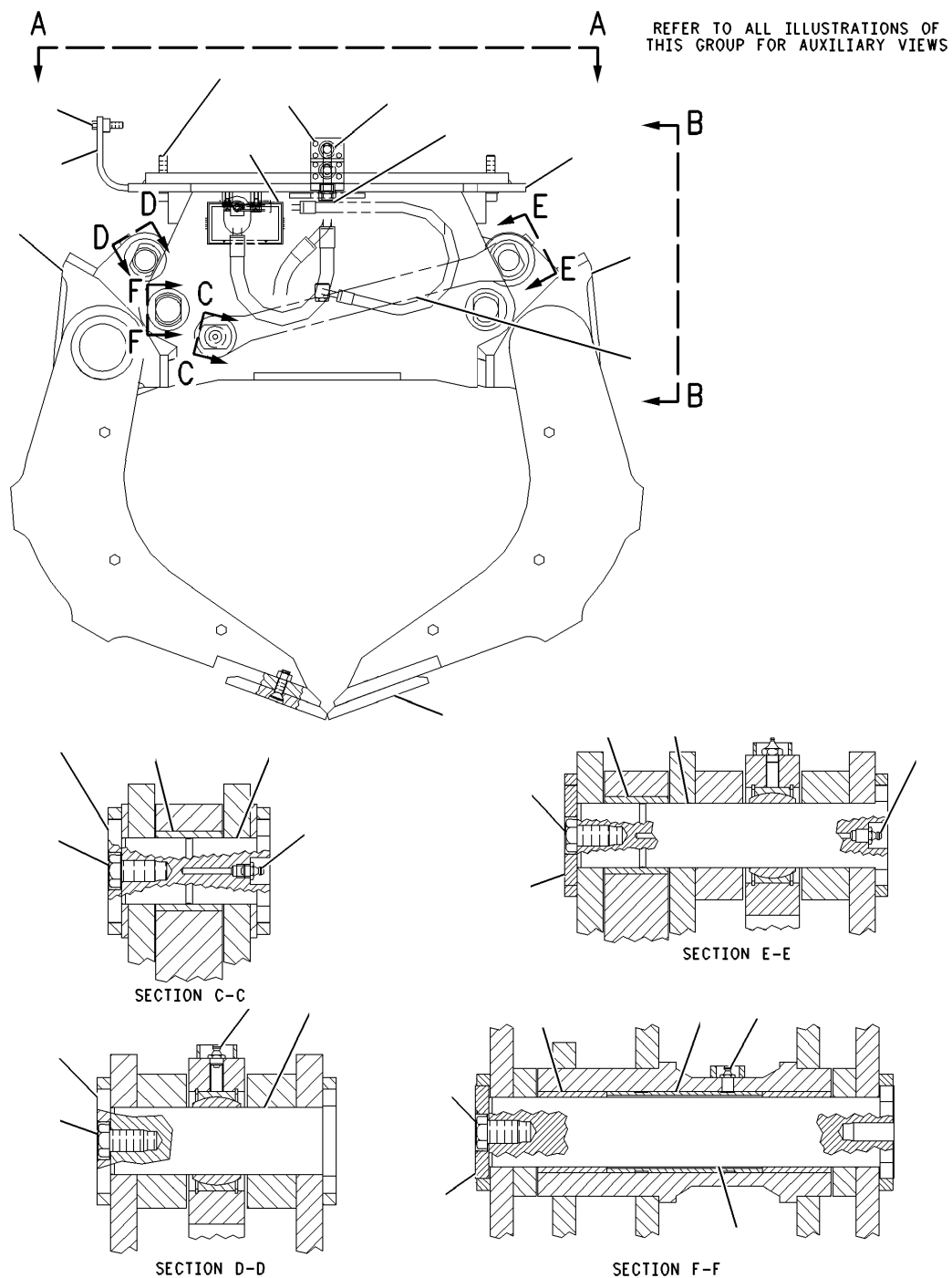
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174-9093 HOUSING GP-GRAPPLE

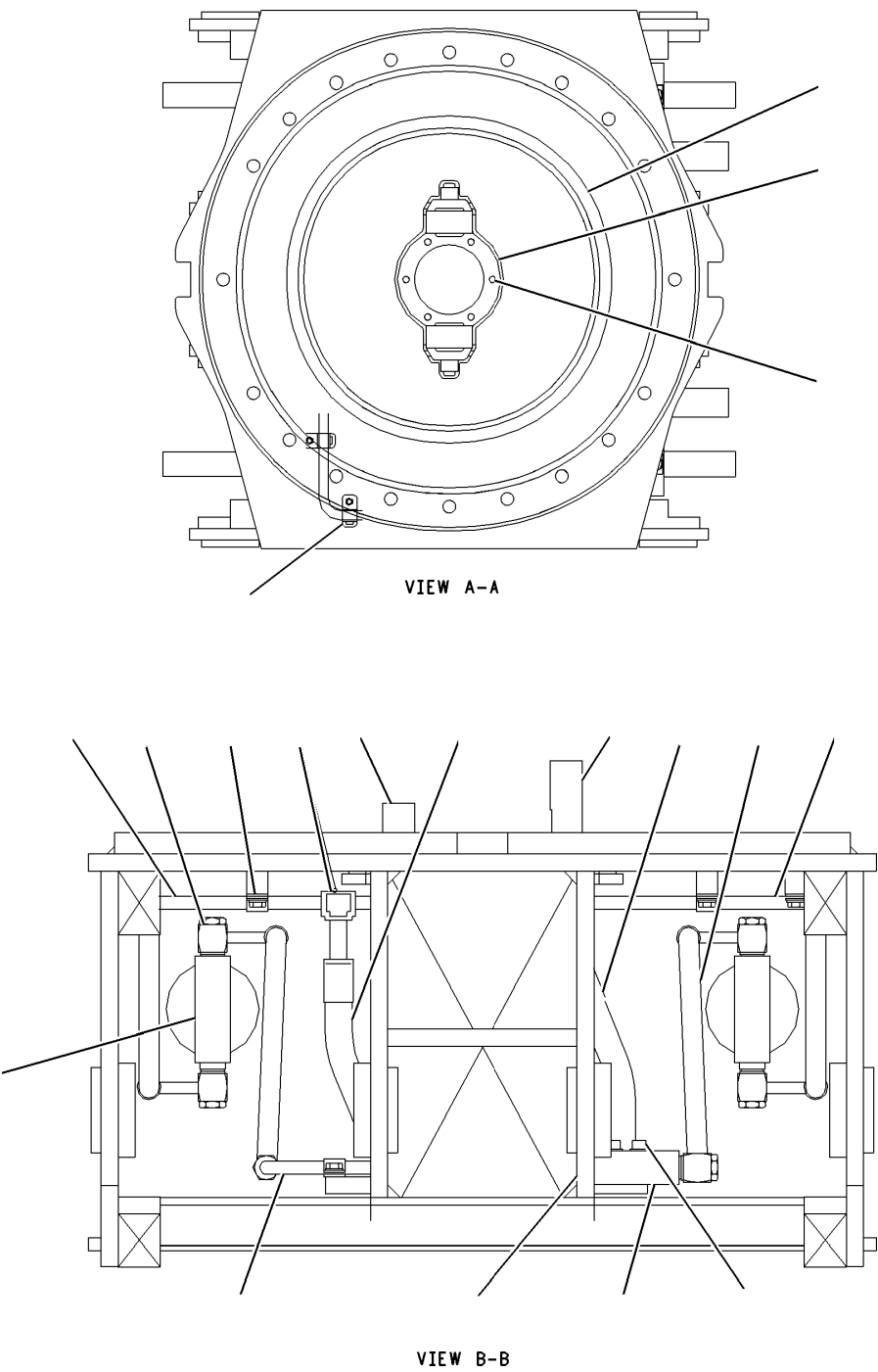
174-9093 HOUSING GP-GRAPPLE S/N CWS1-UP PART OF 179-3481 GRAPPLE GP

Drawing 1 of 2



174-9093 HOUSING GP-GRAPPLE (continued)

Drawing 2 of 2



Ref.	Part number	Description	Qty	Code	Group page
1	174-9094	HOUSING AS	1		
2	174-9095	ARM AS	1		
3	174-9096	ARM AS	1		
4	174-1661	LOCK AS	1		
5	174-1662	BAR-PUSH	2		
6	174-9098	EDGE GP-CUTTING	1	Y	

174-9093 HOUSING GP-GRAPPLE (continued)

Ref.	Part number	Description	Qty	Code	Group page
7	174-1663	PIN	2		
8	174-7344	PIN	4		
9	174-7343	PIN	2		
10	174-1666	PIN	2		
11	174-1667	COUPLING-HYDRAULIC	1		
12	174-1668	COUPLING-HYDRAULIC	1		
13	174-4702	COUPLING-HYDRAULIC	1		
14	174-1669	TUBE AS	1		
15	174-7747	TUBE AS	1		
16	174-7748	TUBE AS	1		
17	174-9099	BUSHING	4		
18	174-1673	BUSHING	4		
19	174-1674	BUSHING	8		
20	8T-4910	BOLT (M12X1.75X60-MM)	8	M	
21	174-6393	BOLT-SOCKET HEAD (M20X2.5X80-MM)	20	M	
22	8T-4137	BOLT (M10X1.5X20-MM)	5	M	
23	8T-0271	BOLT-SOCKET HEAD (M10X1.5X35-MM)	6	M	
24	7X-2552	BOLT (M16X2X30-MM)	6	M	
25	8T-4780	BOLT (M20X2.5X30-MM)	4	M	
26	129-3181	BOLT-SOCKET HEAD (M10X1.5X55-MM)	2	M	
27	8T-4123	WASHER (3.62X5.75X0.375-MM THK)	20		
28	159-1118	LOCKWASHER	13		
29	159-1119	LOCKWASHER	8		
30	095-0948	FITTING-GREASE	8		
31	170-5715	SEAL-O-RING	2		
32	9R-1004	CLIP (TAB)	5		
33	9R-1005	CLIP (SLOT)	5		
34	202-2563	PLATE-LOCK	6		
35	202-2562	PLATE-LOCK	4		
36	174-1677	HOSE AS	1	I	
37	174-1678	HOSE AS	4	I	
38	174-4703	HOSE AS	1	I	
39	174-1679	CYLINDER GP-HYDRAULIC	2	Y	
40	175-4792	ELBOW (SWIVEL)	5		
41	161-2779	ADAPTER AS	1		
	7J-9108	SEAL-O-RING	1		

174-9093 HOUSING GP-GRAPPLE (continued)

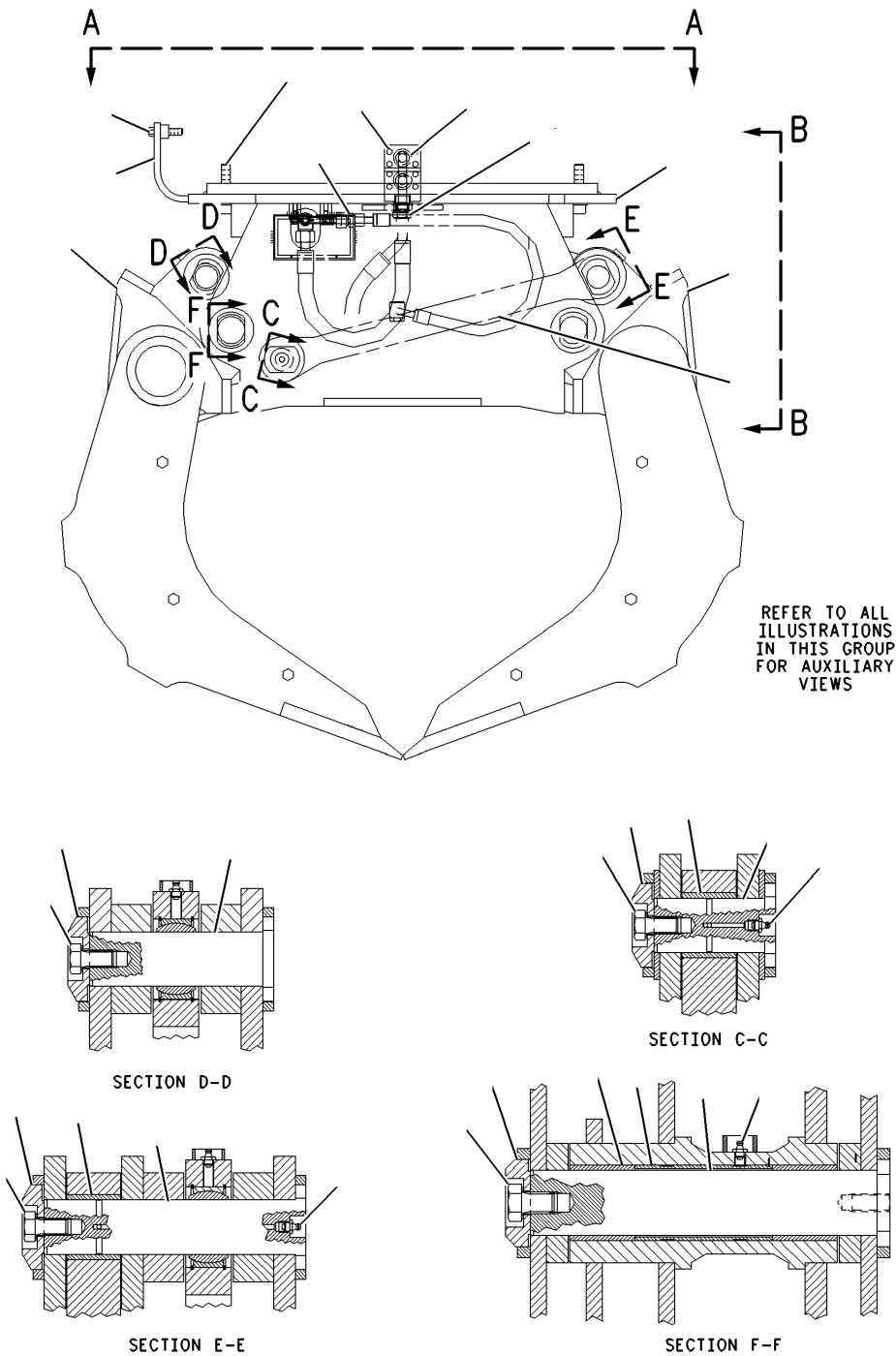
Ref.	Part number	Description	Qty	Code	Group page
	163-3343	SEAL	1		
42	150-4038	TEE AS	1		
	7X-7703	TEE-UNION	1		
	6V-9746	SEAL-O-RING	1		
	7J-9108	SEAL-O-RING	2		
43	177-3005	ADAPTER AS	3		
(EACH INCLUDES)					
	6V-9746	SEAL-O-RING	1		
	163-3343	SEAL	1		
44	164-5573	UNION AS	3		
(EACH INCLUDES)					
	6V-8738	UNION	3		
	6V-8398	SEAL-O-RING	3		
	7J-9108	SEAL-O-RING	3		
45	171-8121	LOCK AS	1		
46	8T-4140	BOLT (M16X2X60-MM)	2	M	
47	159-1121	LOCKWASHER	6		
48	145-4078	LOCKWASHER	4		

CAT codes: I, M, Y.

193-5358 HOUSING GP-GRAPPLE

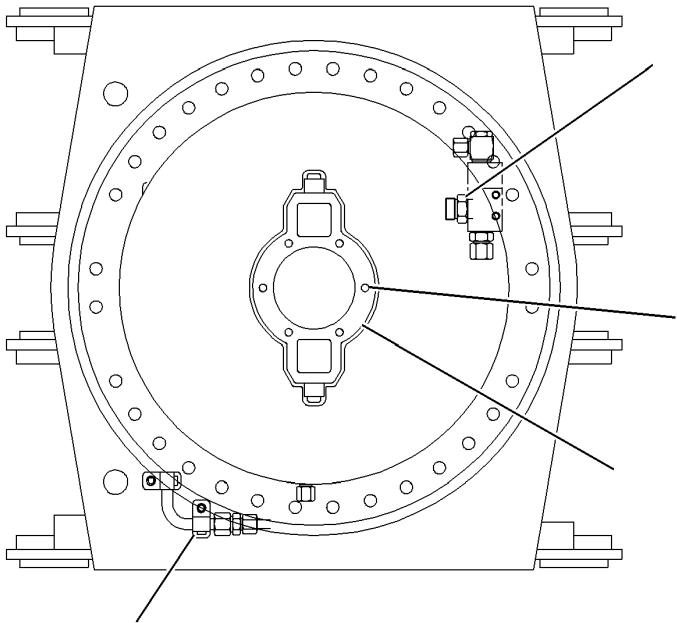
193-5358 HOUSING GP-GRAPPLE S/N CWS1-UP PART OF 193-7178 GRAPPLE GP

Drawing 1 of 2

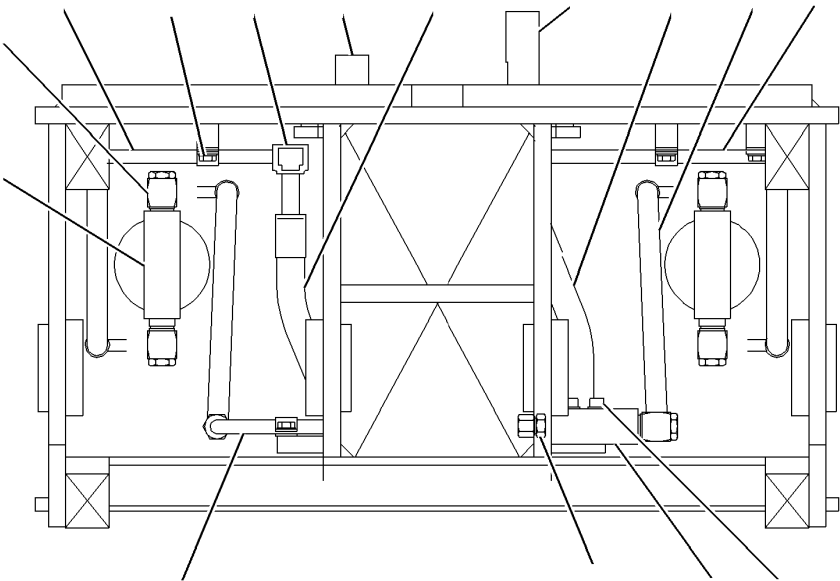


193-5358 HOUSING GP-GRAPPLE (continued)

Drawing 2 of 2



VIEW A-A



VIEW B-B

Ref.	Part number	Description	Qty	Code	Group page
1	174-9094	HOUSING AS	1		
2	193-5359	ARM AS	1		
3	193-5360	ARM AS	1		
4	174-1661	LOCK AS	1		
5	174-1662	BAR-PUSH	2		
6	174-1663	PIN	2		

193-5358 HOUSING GP-GRAPPLE (continued)

Ref.	Part number	Description	Qty	Code	Group page
7	174-7344	PIN	4		
8	174-7343	PIN	2		
9	174-1666	PIN	2		
10	174-1667	COUPLING-HYDRAULIC	1		
11	174-1668	COUPLING-HYDRAULIC	1		
12	174-4702	COUPLING-HYDRAULIC	1		
13	174-1669	TUBE AS	1		
14	174-7747	TUBE AS	1		
15	174-7748	TUBE AS	1		
16	174-9099	BUSHING	4		
17	174-1673	BUSHING	4		
18	174-1674	BUSHING	8		
19	8T-4910	BOLT (M12X1.75X60-MM)	8	M	
20	174-6393	BOLT-SOCKET HEAD (M20X2.5X80-MM)	20	M	
21	8T-4137	BOLT (M10X1.5X20-MM)	5	M	
22	8T-0271	BOLT-SOCKET HEAD (M10X1.5X35-MM)	6	M	
23	7X-2552	BOLT (M16X2X30-MM)	6	M	
24	8T-4750	SEAL-LIP TYPE	4		
25	129-3181	BOLT-SOCKET HEAD (M10X1.5X55-MM)	2	M	
26	8T-4123	WASHER (3.62X5.75X0.375-MM THK)	20		
27	159-1118	LOCKWASHER	13		
28	159-1119	LOCKWASHER	8		
29	095-0948	FITTING-GREASE	8		
30	170-5715	SEAL-O-RING	2		
31	9R-1004	CLIP (TAB)	5		
32	9R-1005	CLIP (SLOT)	5		
33	202-2563	PLATE-LOCK	6		
34	202-2562	PLATE-LOCK	4		
35	174-1677	HOSE AS	1	I	
36	174-1678	HOSE AS	4	I	
37	174-4703	HOSE AS	1	I	
38	174-1679	CYLINDER GP-HYDRAULIC	2	Y	
39	175-4792	ELBOW (SWIVEL)	5		
40	161-2779	ADAPTER AS	1		
	7J-9108	SEAL-O-RING	1		
	163-3343	SEAL	1		

193-5358 HOUSING GP-GRAPPLE (continued)

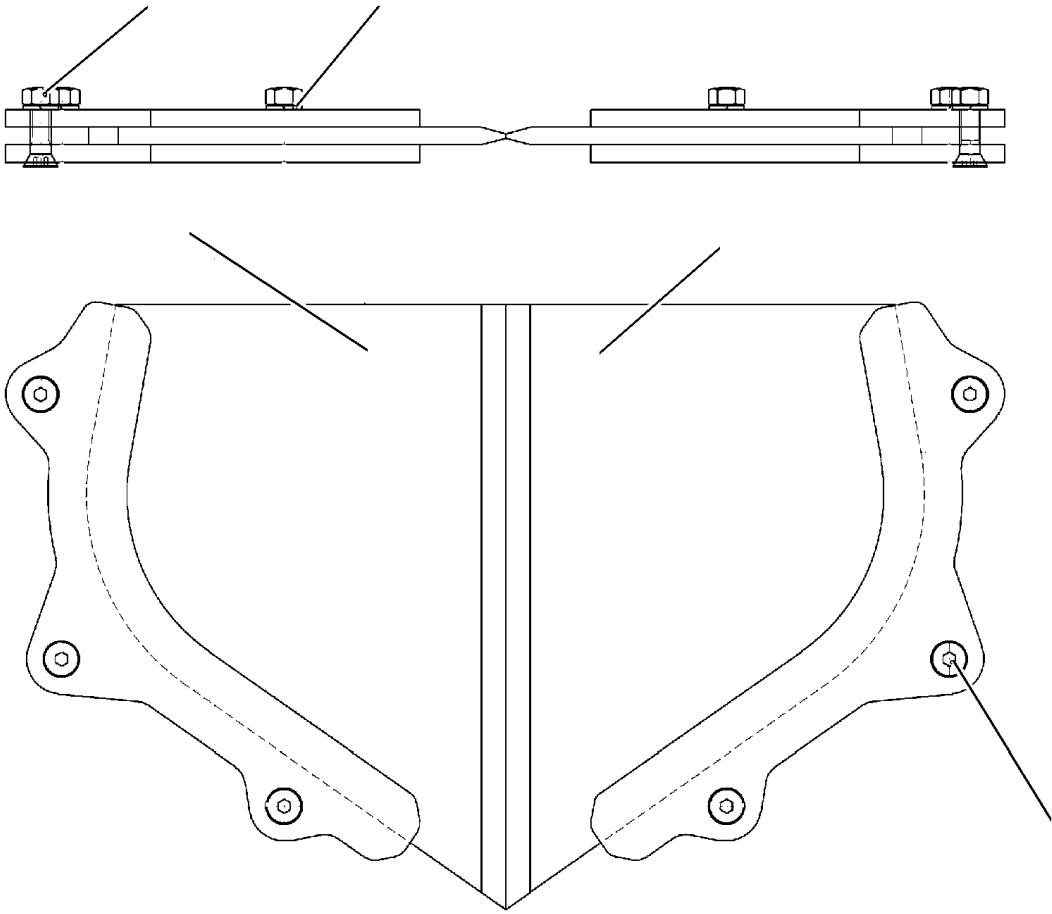
Ref.	Part number	Description	Qty	Code	Group page
41	150-4038	TEE AS	1		
	6V-9746	SEAL-O-RING	1		
	7J-9108	SEAL-O-RING	2		
	7X-7703	TEE-UNION	1		
42	177-3005	ADAPTER AS	3		
(EACH INCLUDES)					
	6V-9746	SEAL-O-RING	1		
	163-3343	SEAL	1		
43	164-5573	UNION AS	3		
(EACH INCLUDES)					
	6V-8398	SEAL-O-RING	1		
	6V-8738	UNION	1		
	7J-9108	SEAL-O-RING	1		
44	171-8121	LOCK AS	1		
45	8T-4140	BOLT (M16X2X60-MM)	2	M	
46	159-1121	LOCKWASHER	6		
47	145-4078	LOCKWASHER	4		

CAT codes: I, M, Y.

187-4372 SIDEBORD GP-GRAPPLE

187-4372 SIDEBORD GP-GRAPPLE S/N CWS1-UP AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	187-4370	PLATE AS (RH)	2		
2	194-0701	PLATE AS (LH)	2		
3	170-4740	SCREW-FLAT HEAD (M24X3X90-MM)	12	M	
4	8T-4001	NUT (M24X3-THD)	12	M	
5	159-1122	LOCKWASHER	12		

CAT codes: M.

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