

CATERPILLAR S490

FZZ / SEBP3559

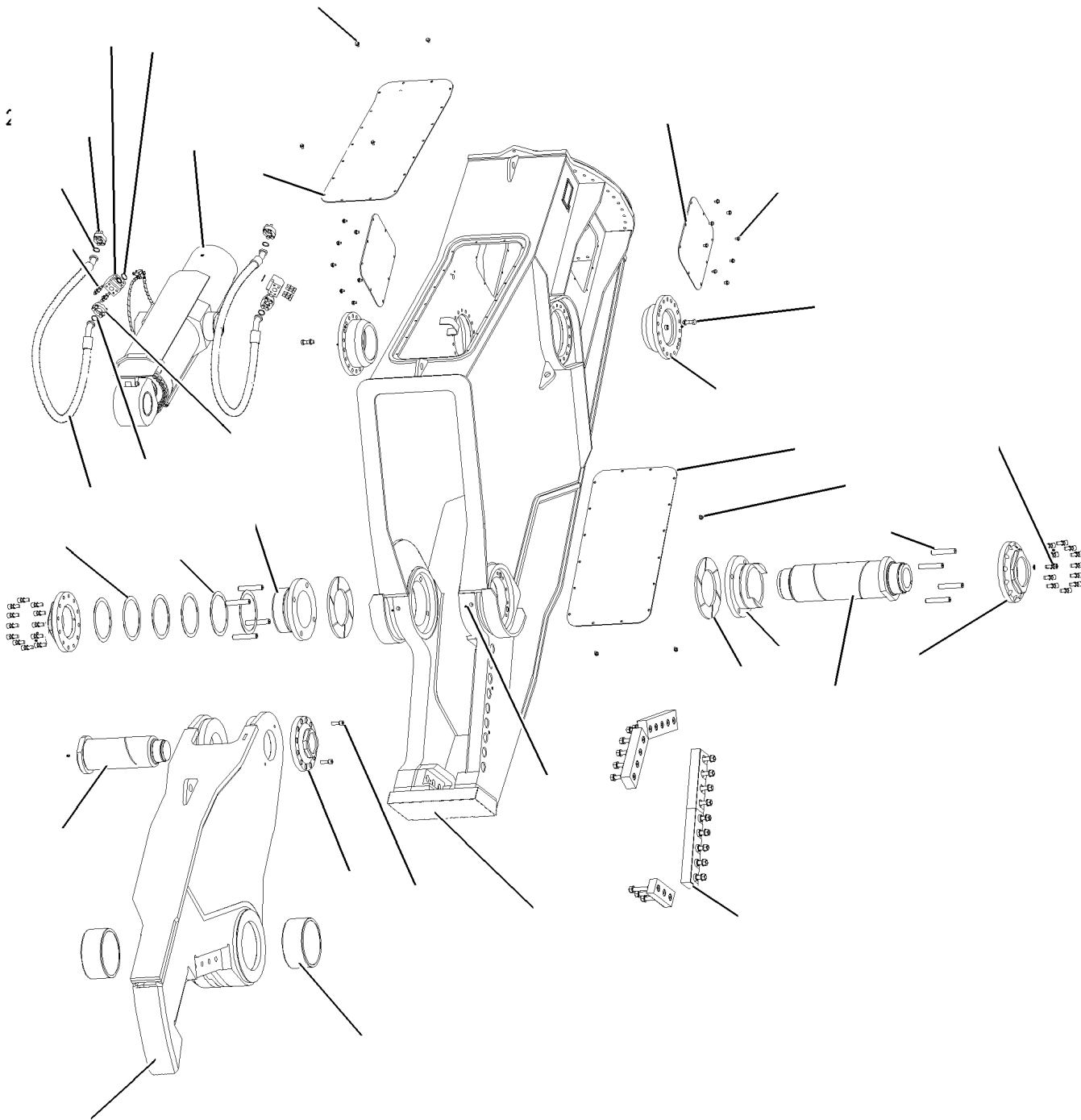
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Basic engine	

209-1710 HOUSING GP-SHEAR

209-1710 HOUSING GP-SHEAR S/N FZZ1-100 PART OF 209-1706 SHEAR AR-HYDRAULIC

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5W-2817	FITTING-GREASE	9		
2	145-4078	LOCKWASHER	24		
3	159-1121	LOCKWASHER	24		
4	195-0788	NUT-SPECIAL	1		
5	195-0793	COVER	2		

209-1710 HOUSING GP-SHEAR (continued)

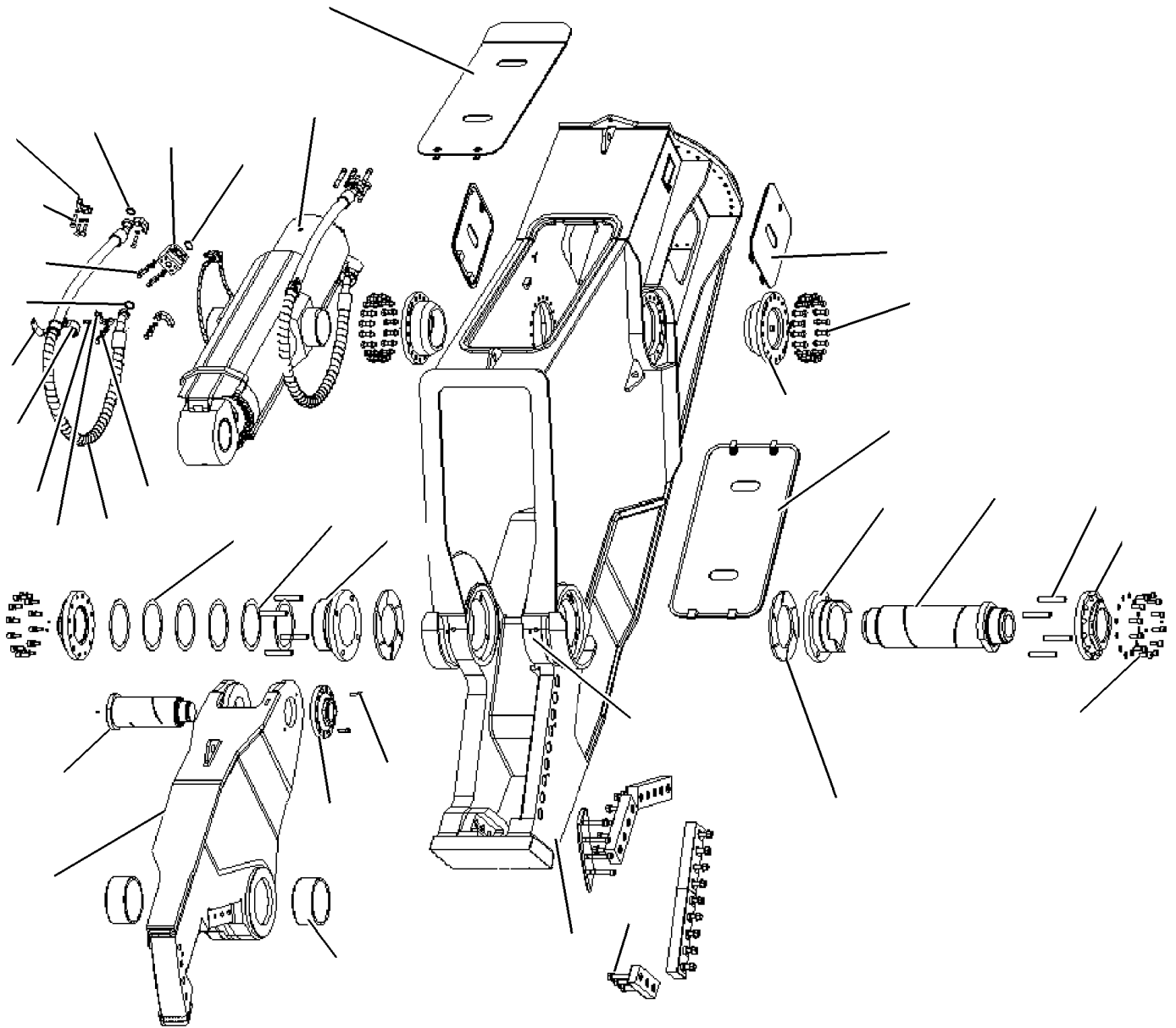
Ref.	Part number	Description	Qty	Code	Group page
6	196-2020	JAW AS-UPPER	1		
7	196-2021	HOUSING AS	1		
8	196-2022	CYLINDER & VALVE GP	1	Y	
9	196-2023	EDGE GP-CUTTING	1	Y	
10	196-2455	COVER	1		
11	196-2456	COVER	1		
12	196-2457	BUSHING AS	2		
13	196-2459	NUT	2		
14	196-2460	PIN	8		
15	196-2461	PIN	1		
16	196-2462	BUSHING	1		
17	196-2463	PLATE-WEAR	2		
18	196-2464	BUSHING	2		
19	196-2465	BUSHING	1		
20	196-2466	SHIM (1.5-MM THK)	4	B	
21	196-2467	SHIM (1-MM THK)	4	B	
22	196-2468	PIN	1		
23	209-1711	HOSE AS	2	I	
24	169-6064	BOLT-SOCKET HEAD (M20X2.5X55-MM)	24	M	
25	172-1114	FLANGE	2		
26	1P-3705	SEAL-RECTANGULAR	4		
27	4J-0524	SEAL-O-RING	2		
28	5P-8077	FLANGE-HALF	8		
29	8T-0348	BOLT-SOCKET HEAD (M16X2X50-MM)	2	M	
30	8T-2393	BOLT-SOCKET HEAD (M16X2X60-MM)	8	M	
31	8T-4123	WASHER (22X35X3.5-MM THK)	36		
32	8T-4140	BOLT (M16X2X60-MM)	16	M	
33	8T-4141	BOLT (M20X2.5X70-MM)	36	M	
34	8T-4179	BOLT (M12X1.75X20-MM)	50	M	
35	8T-4223	WASHER-HARD (13.5X25.5X3-MM THK)	50		

CAT codes: B, I, M, Y.

217-8729 HOUSING GP-SHEAR

217-8729 HOUSING GP-SHEAR S/N FZZ101-UP PART OF 209-1706 SHEAR AR-HYDRAULIC

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5W-2817	FITTING-GREASE	9		
2	145-4078	LOCKWASHER	24		
3	159-1119	LOCKWASHER	2		
4	159-1121	LOCKWASHER	24		
5	195-0788	NUT-SPECIAL	1		
6	196-2022	CYLINDER & VALVE GP	1	Y	
7	196-2457	BUSHING AS	2		
8	196-2459	NUT	2		

217-8729 HOUSING GP-SHEAR (continued)

Ref.	Part number	Description	Qty	Code	Group page
9	196-2460	PIN	8		
10	196-2461	PIN	1		
11	196-2462	BUSHING	1		
12	196-2463	PLATE-WEAR	2		
13	196-2464	BUSHING	2		
14	196-2465	BUSHING	1		
15	196-2466	SHIM (1.5-MM THK)	4	B	
16	196-2467	SHIM (1-MM THK)	4	B	
17	196-2468	PIN	1		
18	209-1711	HOSE AS	2	I	
19	216-6851	COVER AS	2		
(EACH INCLUDES)					
	117-4473	SEAL (165CM)		E	
	216-6838	LATCH AS	1		
	216-6842	PLATE-LOCK	2		
20	217-1402	JAW AS	1		
	218-0036	TIP-WEAR	1		
21	217-1409	HOUSING AS	1		
22	217-1410	EDGE GP-CUTTING	1	Y	
23	160-0012	CLIP (SLOT)	2		
24	160-0013	CLIP (TAB)	2		
25	169-6064	BOLT-SOCKET HEAD (M20X2.5X55-MM)	24	M	
26	172-1114	FLANGE	2		
27	1P-3705	SEAL-RECTANGULAR	4		
28	217-1417	COVER AS	1		
	117-4473	SEAL (352CM)		E	
	216-6838	LATCH AS	2		
	216-6842	PLATE-LOCK	4		
29	217-1420	COVER AS	1		
	117-4473	SEAL (325CM)		E	
	216-6838	LATCH AS	2		
	216-6842	PLATE-LOCK	4		
30	4J-0524	SEAL-O-RING	2		
31	5P-8077	FLANGE-HALF	8		
32	6V-1574	GROMMET	2		
33	8T-0348	BOLT-SOCKET HEAD (M16X2X50-MM)	2	M	

217-8729 HOUSING GP-SHEAR (continued)

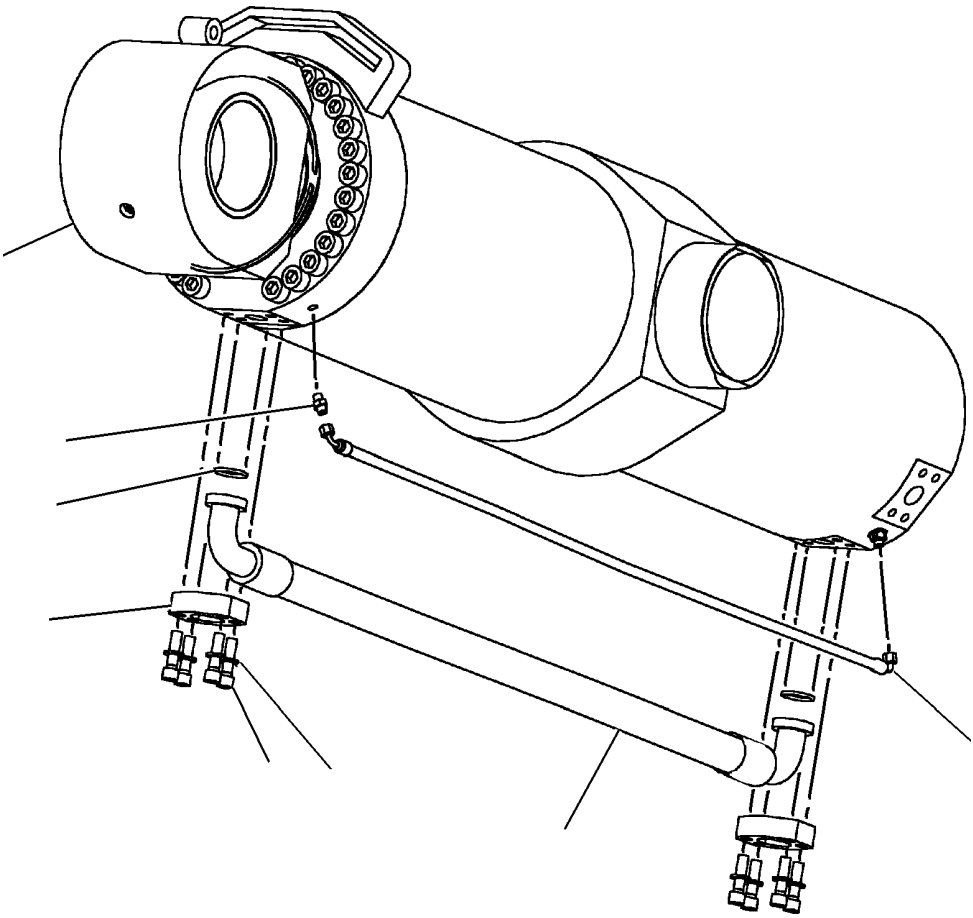
Ref.	Part number	Description	Qty	Code	Group page
34	8T-2393	BOLT-SOCKET HEAD (M16X2X60-MM)	8	M	
35	8T-4123	WASHER (22X35X3.5-MM THK)	36		
36	8T-4140	BOLT (M16X2X60-MM)	16	M	
37	8T-4141	BOLT (M20X2.5X70-MM)	36	M	
38	8T-4192	BOLT (M12X1.75X25-MM)	2	M	

CAT codes: B, E, I, M, Y.

196-2026 CYLINDER & LINES GP-SHEAR

196-2026 CYLINDER & LINES GP-SHEAR S/N FZZ1-UP PART OF 196-2022 CYLINDER & VALVE GP

Drawing 1 of 1



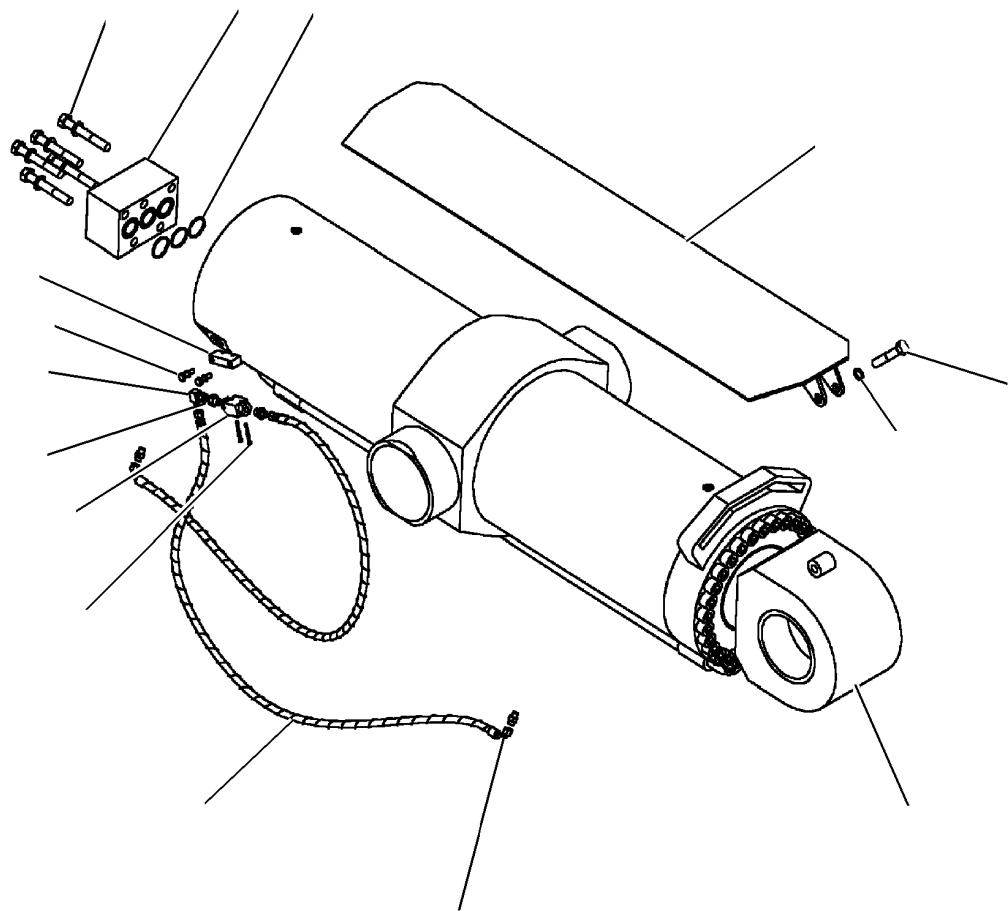
Ref.	Part number	Description	Qty	Code	Group page
1	196-2030	CYLINDER GP-SHEAR	1	Y	
2	196-2882	HOSE AS	1	I	
3	196-2883	HOSE AS	1	I	
4	170-5121	ADAPTER AS	1		
	4J-5477	SEAL-O-RING	1		
	162-6816	SEAL	1		
5	1P-3705	SEAL-RECTANGULAR	2		
6	5P-8077	FLANGE-HALF	4		
7	8T-2393	BOLT-SOCKET HEAD (M16X2X60-MM)	8	M	
8	9X-8257	WASHER (17.5X30X3.5-MM THK)	8		

CAT codes: I, M, Y.

196-2022 CYLINDER & VALVE GP

196-2022 CYLINDER & VALVE GP S/N FZZ1-100 PART OF 209-1710 HOUSING GP-SHEAR

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	8C-8478	BOLT (M20X2.5X140-MM)	5	M	
2	145-4078	LOCKWASHER	1		
3	159-1119	LOCKWASHER	2		
4	196-2026	CYLINDER & LINES GP-SHEAR	1	Y	
5	196-2809	COVER AS	1		
6	196-2812	HOSE AS	2	I	
7	208-5125	VALVE GP-SPEED CONTROL	1	Y	
8	148-8351	ELBOW AS	1		
	4J-5477	SEAL-O-RING	1		
	6V-9849	ELBOW	1		
9	170-5121	ADAPTER AS	2		
(EACH INCLUDES)					
	4J-5477	SEAL-O-RING	1		
	162-6816	SEAL	1		
10	170-5122	ADAPTER AS	2		

196-2022 CYLINDER & VALVE GP (continued)

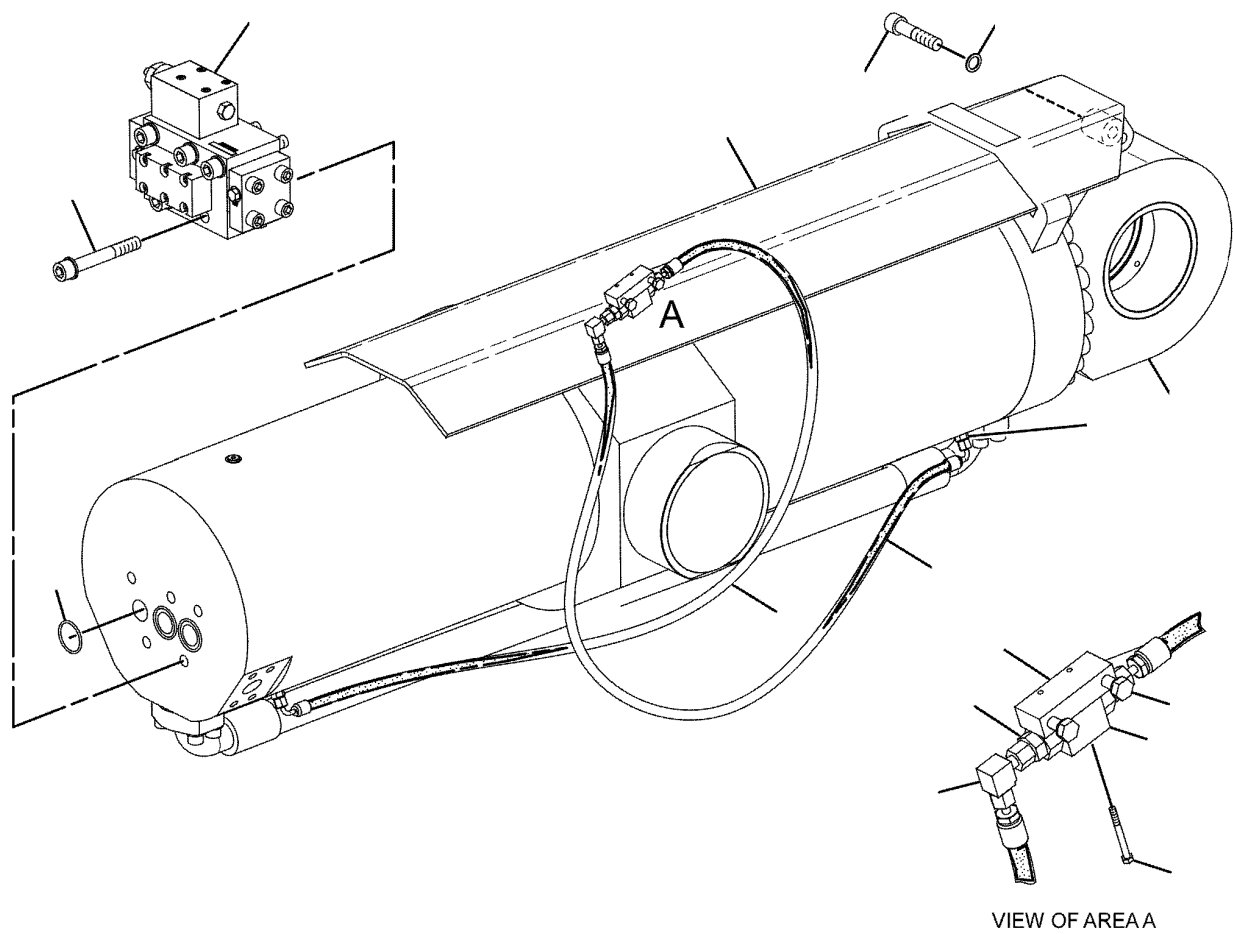
Ref.	Part number	Description	Qty.	Code	Group page
(EACH INCLUDES)					
	4J-5477	SEAL-O-RING	1		
	162-2254	SEAL	1		
11	170-5593	VALVE	1		
12	170-5594	PLATE-MOUNTING	1		
13	174-6393	BOLT-SOCKET HEAD (M20X2.5X80-MM)	1	M	
14	4J-0524	SEAL-O-RING	3		
15	8T-0638	BOLT (M5X0.8X50-MM)	2	M	
16	8T-4123	WASHER (22X35X3.5-MM THK)	5		
17	8T-4196	BOLT (M10X1.5X35-MM)	1	M	

CAT codes: I, M, Y.

196-2022 CYLINDER & VALVE GP

196-2022 CYLINDER & VALVE GP S/N FZZ103-UP PART OF 217-8729 HOUSING GP-SHEAR

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	144-5606	BOLT-SOCKET HEAD (M20X2.5X140-MM)	5	C	
2	145-4078	LOCKWASHER	1		
3	159-1119	LOCKWASHER	2		
4	196-2026	CYLINDER & LINES GP-SHEAR	1	Y	
5	196-2809	COVER AS	1		
6	196-2812	HOSE AS	2	I	
7	208-5125	VALVE GP-SPEED CONTROL	1	Y	
8	148-8351	ELBOW AS	1		
	4J-5477	SEAL-O-RING	1		
	6V-9849	ELBOW	1		
9	170-5121	ADAPTER AS	2		
(EACH INCLUDES)					
	4J-5477	SEAL-O-RING	1		
	162-6816	SEAL	1		
10	170-5122	ADAPTER AS	2		

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