

CATERPILLAR 183B

27A / HEBP1009

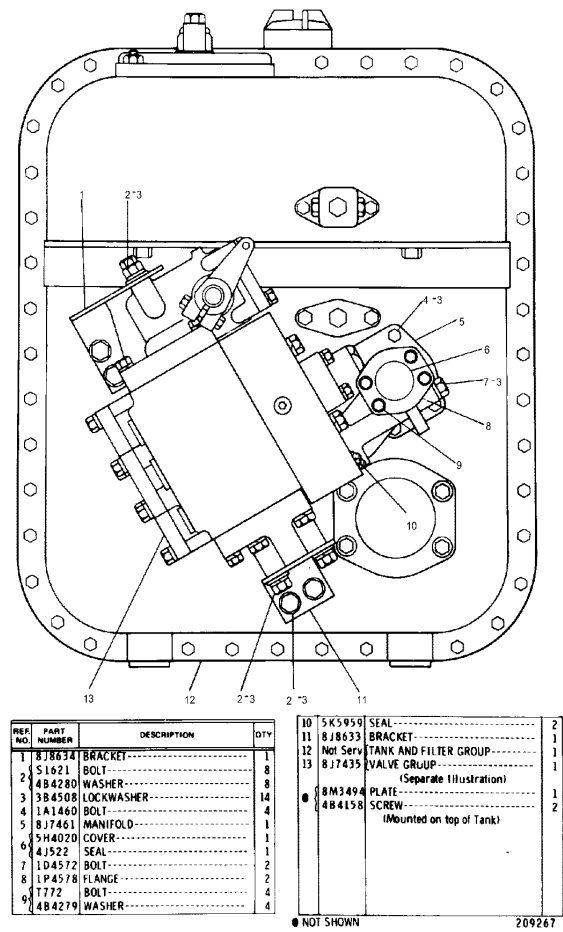
Contents

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Hydraulic system	2
Basic engine	

8J-8649 VALVE & TANK GP

8J8649 HYDRAULIC TANK AND VALVE GROUP Serial No. 27A1 to 27A5150 inclusive 8J7435 Valve and Tank and Filter parts are shown on Pages 7 through 8D & 10 through 11B

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	8J-8634	BRACKET	1		
2	0S-1621	BOLT	8		
	4B-4280	WASHER	8		
3	3B-4508	LOCKWASHER	14		
4	1A-1460	BOLT	4		
5	8J-7461	MANIFOLD	1		
6	5H-4020	COVER	1		
	4J-0522	SEAL	1		
7	1D-4572	BOLT	2		
8	1P-4578	FLANGE	2		
9	0T-0772	BOLT	4		
	4B-4279	WASHER	4		
10	5K-5959	SEAL	2		
11	8J-8633	BRACKET	1		

8J-8649 VALVE & TANK GP (continued)

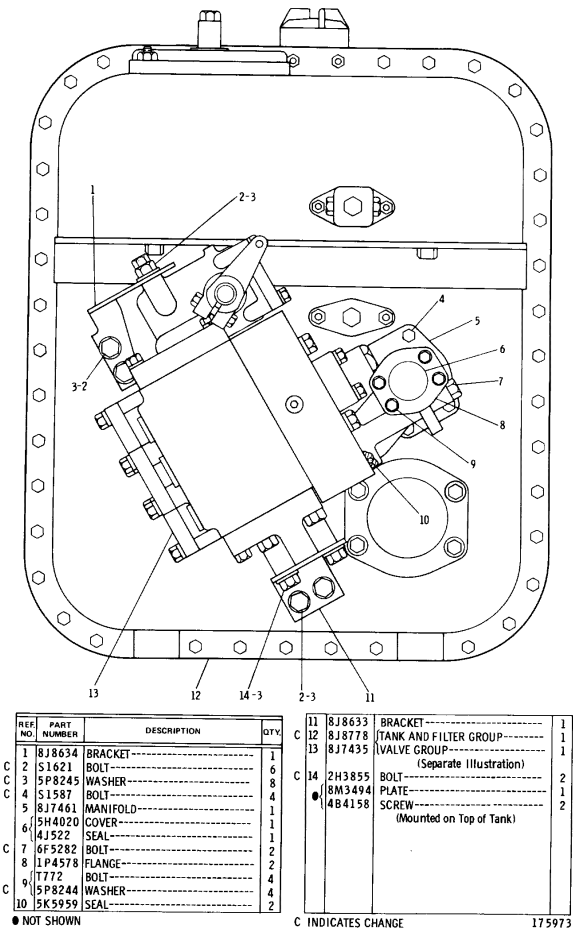
Ref.	Part number	Description	Qty	Code	Group page
12	NOT-SERV	TANK AND FILTER GROUP	1	Y	
13	8J-7435	VALVE GROUP	1	Y	
(Separate Illustration)					
	8M-3494	PLATE	1	F	
	4B-4158	SCREW	2	F	
(Mounted on top of Tank)					

CAT codes: F, Y.

8J-8649 VALVE & TANK GP

8J8649 HYDRAULIC TANK AND VALVE GROUP Serial No. 27A5151--Up 8J7435 Valve and Tank and Filter parts are shown on Pages 8B, 8C, 8D, 11A 11B

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	8J-8634	BRACKET	1		
2	0S-1621	BOLT	6	C	
3	5P-8245	WASHER	8	C	
4	0S-1587	BOLT	4	C	
5	8J-7461	MANIFOLD	1		
6	5H-4020	COVER	1		
	4J-0522	SEAL	1		
7	6F-5282	BOLT	2	C	
8	1P-4578	FLANGE	2		
9	0T-0772	BOLT	4		
	5P-8244	WASHER	4	C	
10	5K-5959	SEAL	2		
11	8J-8633	BRACKET	1		
12	8J-8778	TANK AND FILTER GROUP	1	CY	

8J-8649 VALVE & TANK GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
13	8J-7435	VALVE GROUP	1	Y	
(Separate Illustration)					
14	2H-3855	BOLT	2	C	
	8M-3494	PLATE	1	F	
	4B-4158	SCREW	2	F	
(Mounted on Top of Tank)					

CAT codes: C, Y, F.

8J-7435 VALVE GP-CONTROL

8J7435 BULLDOZER LIFT AND TILT CONTROL VALVE GROUP--Part 1 of 3 Serial No. 27A1 to 27A1814 inclusive. Part of 8J8649 Tank and Valve Group shown on Page 6. 9J1281 Housing parts are shown on Page 12

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

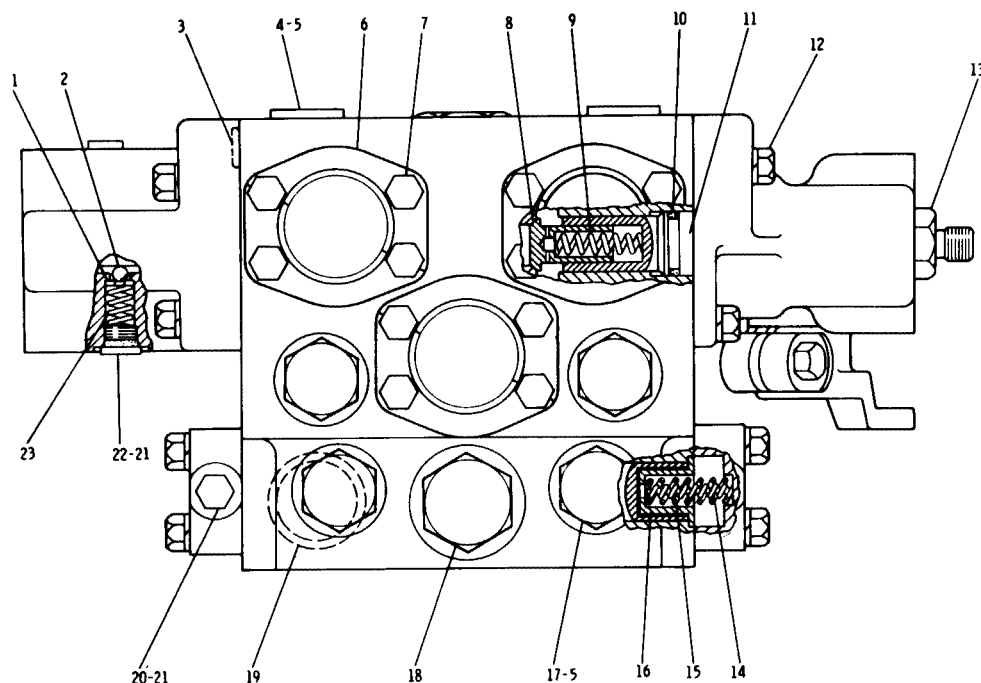
Ref.	Part number	Description	Qty	Code	Group page
1	8J-7342	BOLT	1		
	9M-6527	WASHER	1		
2	8J-7467	HOUSING	1		
3	9S-8004	PLUG	3		
	3J-1907	SEAL	3		
4	8J-7501	VALVE GROUP	1		
	6J-1038	SEAL	2		
5	9J-5756	SPRING	1		
6	9S-4180	PLUG	1		
	4J-7533	SEAL	1		
7	0T-0768	BOLT	4		
	3B-4507	LOCKWASHER	4		
8	2M-4453	SEAL	1		
9	5P-2645	ELBOW	1		
	8S-4950	CAP	1		
	3J-7354	SEAL	1		
10	9J-6491	SEAL	2		
11	1J-9671	SEAL	1		
12	9S-8003	PLUG	1		
	9J-3947	RETAINER	1		
	8B-7216	SEAL	1		
	2D-6642	BALL	1		
13	9J-1281	HOUSING GROUP	1	Y	
(Separate Illustration)					
14	1H-8720	SEAL	2		
15	8J-7436	VALVE GROUP	1		
16	8J-7343	RETAINER	1		
17	4J-4790	SPRING	1		
18	8J-7464	RETAINER	1		
19	8J-7317	BODY	1		

CAT codes: Y.

8J-7435 VALVE GP-CONTROL

8J7435 BULLDOZER LIFT AND TILT CONTROL VALVE GROUP--Part 2 of 3 Serial No. 27A1 to 27A1814 inclusive. Part of 8J8649 Tank and Valve Group shown on Page 6

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	9J1999	SEAT	2
2	3D2891	BALL	2
3	5H6005	SEAL	2
4	9S8008	PLUG	2
5	3D2824	SEAL	4
6	1P4578	FLANGE	6
7	3H5368	BOLT	12
8	4B4279	WASHER	12
9	8J7349	VALVE	2
10	2N7029	SPRING	2
11	4J8996	SEAL	2
12	8J7366	PLUG	2
13	5S1571	BOLT-----1.75 in. (4.45 cm) long	1
14	1A2029	BOLT-----1.125 in. (2.85 cm) long	3
15	3B4506	LOCKWASHER	4
16	6K3607	CONNECTOR	1
17	2M9780	SEAL	1
18	9J5753	SPRING----- (inner)	2
19	9J5754	SPRING----- (outer)	2
20	8J7465	RETAINER	2
21	9S4183	PLUG	2
22	9S4181	PLUG	1
23	7M8485	SEAL	1
	6F6673	SEAL	2
	9S4191	PLUG	2
	3J1907	SEAL	4
	9S8004	PLUG	2
	5J1389	SPRING	2

154557

Ref.	Part number	Description	Qty	Code	Group page
1	9J-1999	SEAT	2		
2	3D-2891	BALL	2		
3	5H-6005	SEAL	2		
4	9S-8008	PLUG	2		
5	3D-2824	SEAL	4		
6	1P-4578	FLANGE	6		
7	3H-5368	BOLT	12		
	4B-4279	WASHER	12		
8	8J-7349	VALVE	2		
9	2N-7029	SPRING	2		
10	4J-8996	SEAL	2		
11	8J-7366	PLUG	2		
12	0S-1571	BOLT 1.75 in. (4.45 cm) long	1		
	1A-2029	BOLT 1.125 in. (2.85 cm) long	3		
	3B-4506	LOCKWASHER	4		
13	6K-3607	CONNECTOR	1		

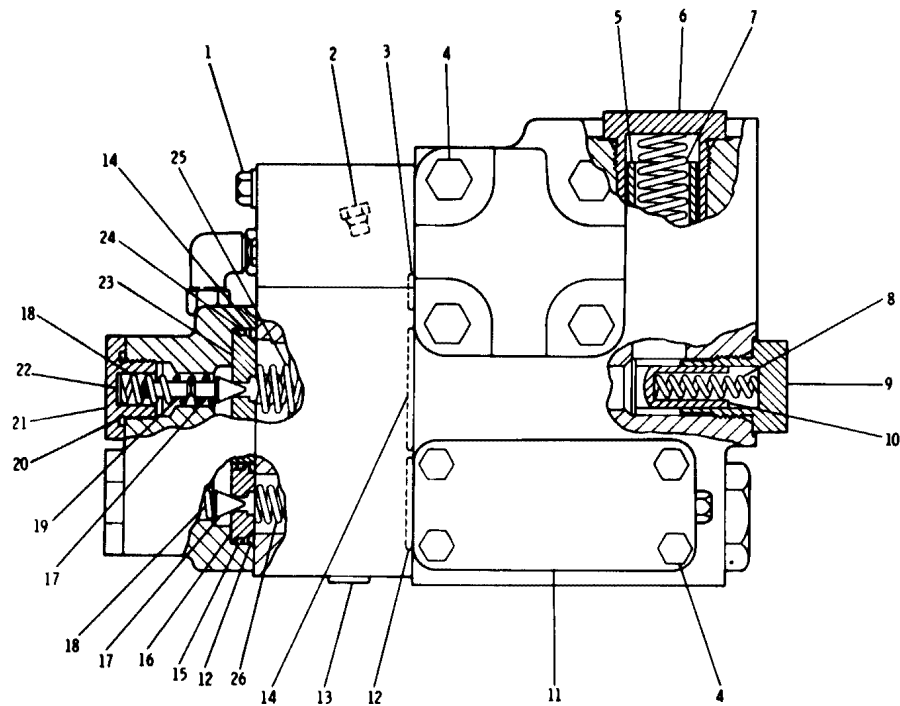
8J-7435 VALVE GP-CONTROL (continued)

Ref.	Part number	Description	Qty	Code	Group page
	2M-9780	SEAL	1		
14	9J-5753	SPRING (inner)	2		
15	9J-5754	SPRING (outer)	2		
16	8J-7465	RETAINER	2		
17	9S-4183	PLUG	2		
18	9S-4181	PLUG	1		
	7M-8485	SEAL	1		
19	6F-6673	SEAL	2		
20	9S-4191	PLUG	2		
21	3J-1907	SEAL	4		
22	9S-8004	PLUG	2		
23	5J-1389	SPRING	2		

8J-7435 VALVE GP-CONTROL

8J7435 BULLDOZER LIFT AND TILT CONTROL VALVE GROUP--Part 3 of 3 Serial No. 27A1 to 27A1814 inclusive. Part of 8J8649 Tank and Valve Group shown on Page 6

Drawing 1 of 1



REF NO	PART NUMBER	DESCRIPTION	QTY
1	7F8698	BOLT	4
1	3B4507	LOCKWASHER	4
2	9S4180	PLUG	2
2	4J7533	SEAL	2
3	9J6491	SEAL	1
4	5S1571	BOLT	12
4	3B4506	LOCKWASHER	12
5	9J4029	VALVE	1
6	8J7360	PLUG	1
6	2S4078	SEAL	1
7	1L4418	SPRING	1
8	3B1926	SPRING	2
9	8J7369	PLUG	2
9	3D2824	SEAL	2
10	8J8480	VALVE	2
11	8J7431	COVER	2
11	4J522	SEAL	2
12	2H3932	SEAL	2
13	9S8004	PLUG	1
13	3J1907	SEAL	1
14	1H9696	SEAL	2
15	3S9233	SEAL	1
16	8J7462	SEAT	1
17	1J8497	VALVE	2
18	2J6089	SPRING	2
19	6J1311	ROD	2
20	5F1678	SEAL	2
21	3J3429	PLUG	2
22	3J7470	SHIM .048 in. (.122 mm) thick	4
22	3J7473	SHIM .005 in. (.127 mm) thick	12
23	8J7466	SEAT	1
24	7D9749	SEAL	1
25	9J5498	SPRING (outer)	1
25	9J5499	SPRING (inner)	1
26	8F394	SPRING	1

15458

Ref.	Part number	Description	Qty	Code	Group page
1	7F-8698	BOLT	4		
	3B-4507	LOCKWASHER	4		
2	9S-4180	PLUG	2		
	4J-7533	SEAL	2		
3	9J-6491	SEAL	1		
4	0S-1571	BOLT	12		
	3B-4506	LOCKWASHER	12		
5	9J-4029	VALVE	1		
6	8J-7360	PLUG	1		
	2S-4078	SEAL	1		
7	1L-4418	SPRING	1		
8	3B-1926	SPRING	2		
9	8J-7369	PLUG	2		
	3D-2824	SEAL	2		
10	8J-8480	VALVE	2		

8J-7435 VALVE GP-CONTROL (continued)

Ref.	Part number	Description	Qty	Code	Group page
11	8J-7431	COVER	2		
	4J-0522	SEAL	2		
12	2H-3932	SEAL	2		
13	9S-8004	PLUG	1		
	3J-1907	SEAL	1		
14	1H-9696	SEAL	2		
15	3S-9233	SEAL	1		
16	8J-7462	SEAT	1		
17	1J-8497	VALVE	2		
18	2J-6089	SPRING	2		
19	6J-1311	ROD	2		
20	5F-1678	SEAL	2		
21	3J-3429	PLUG	2		
22	3J-7470	SHIM .048 in. (1.22 mm) thick	4		
	3J-7473	SHIM .005 in. (.127 mm) thick	12		
23	8J-7466	SEAT	1		
24	7D-9749	SEAL	1		
25	9J-5498	SPRING (outer)	1		
	9J-5499	SPRING (inner)	1		
26	8F-0394	SPRING	1		

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