

CATERPILLAR 627B

56V / ZEBP0581

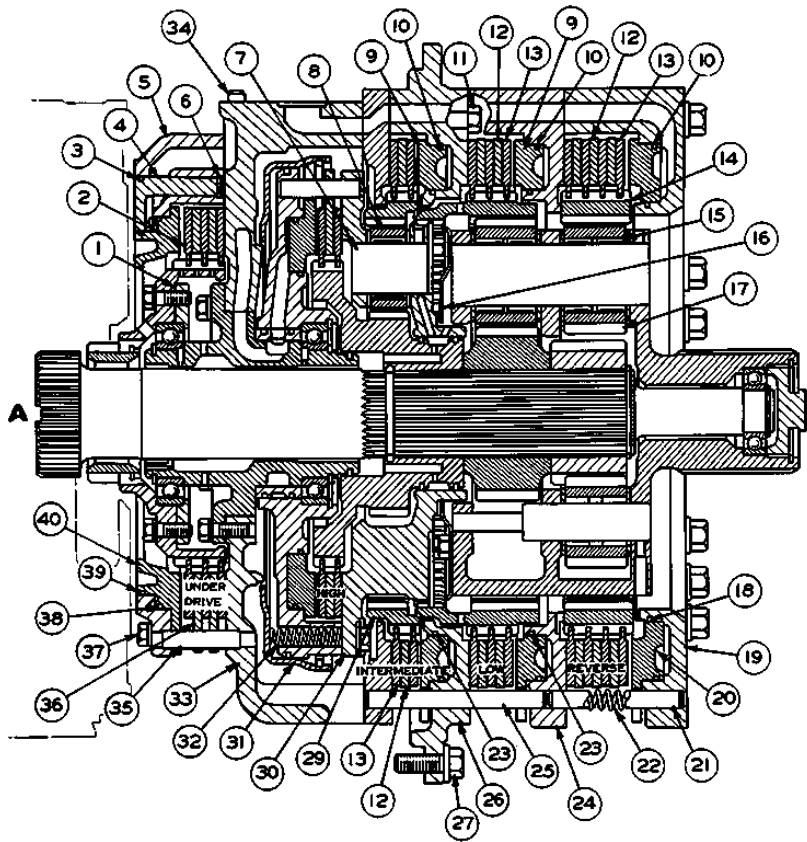
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Power train	
Hydraulic system	
Air inlet and exhaust	
Fuel system	
Power train	
Electrical and electronics	

2P-9311 PLANETARY GP

2P9311 PLANETARY TRANSMISSION GROUP - Part 1 of 4 - Type 1 Part of 3P375 Transmission Arrangement shown on Page 130

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1P7509	PLATE	1
2	4S8694	DISC ASSEM.	3
3	8M1112	SEAL	1
4	4S5811	PLUG	1
5	4S5814	HOUSING ASSEM.	1
6	7M8480	DOWEL	2
7	6P1037	RING	1
8	2S4900	SHAFT ASSEM.	6
9	3S36	PLUG	1
10	1S9905	GEAR (24 Teeth)	3
11	8S9005	PISTON	2
12	3S1278	RING	3
13	1T65	BOLT	2
14	2P4472	PLATE	6
15	5M6122	DISC ASSEM.	9
16	1S9756	GEAR (24 Teeth)	1
17	4M3915	BEARING	16
18	2S4993	SLINGER	1
19	1S9936	GEAR (23 Teeth)	8
20	3S1281	RING	1
21	3S110	HOUSING	1
22	8S9004	PISTON	1

23	4M1677	PIN	5
24	1M9691	SPRING	10
25	1S9496	RING	2
26	3S111	HOUSING ASSEM.	1
27	7M8480	DOWEL (1.25" long)	2
28	7M8479	DOWEL (2" long)	2
29	4M1641	PIN	5
30	3P1667	HOUSING	1
31	5S1585	BOLT	18
32	2M849	WASHER	18
33	1S9863	GEAR (96 Teeth)	1
34	3S123	CARRIER	1
35	3P4269	PISTON	1
36	6F6678	SPRING	5
37	7S4502	MANIFOLD ASSEM.	1
38	8B1312	DOWEL	2
39	4M8871	PIN	5
40	1K8953	PLATE	2
41	1T573	BOLT	7
42	5M2894	WASHER	7
43	3S1282	RING	1
44	8S3371	RING	1
45	3S9975	PISTON	1

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Ref.	Part number	Description	Qty	Code	Group page
1	1P-7509	PLATE	1		
2	4S-8694	DISC ASSEM.	3		
3	8M-1112	SEAL	1		
4	4S-5811	PLUG	1		

2P-9311 PLANETARY GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
5	4S-5814	HOUSING ASSEM.	1		
	7M-8480	DOWEL	2		
6	6P-1037	RING	1		
7	2S-4900	SHAFT ASSEM.	6		
	3S-0036	PLUG	1		
8	1S-9905	GEAR (24 Teeth)	3		
9	8S-9005	PISTON	2		
10	3S-1278	RING	3		
11	0T-0065	BOLT	2		
12	2P-4472	PLATE	6	R	
13	5M-6122	DISC ASSEM.	9		
14	1S-9756	GEAR (24 Teeth)	1		
15	4M-3915	BEARING	16		
16	2S-4993	SLINGER	1		
17	1S-9936	GEAR (23 Teeth)	8		
18	3S-1281	RING	1		
19	3S-0110	HOUSING	1		
20	8S-9004	PISTON	1		
21	4M-1677	PIN	5		
22	1M-9691	SPRING	10		
23	1S-9496	RING	2		
24	3S-0111	HOUSING ASSEM.	1		
	7M-8480	DOWEL (1.25" long)	2		
	7M-8479	DOWEL (2" long)	2		
25	4M-1641	PIN	5		
26	3P-1667	HOUSING	1		
27	0S-1585	BOLT	18		
	2M-0849	WASHER	18		
29	1S-9863	GEAR (96 Teeth)	1		
30	3S-0123	CARRIER	1		
31	3P-4269	PISTON	1		
32	6F-6678	SPRING	5		
33	7S-4502	MANIFOLD ASSEM.	1		
34	8B-1312	DOWEL	2		
35	4M-8871	PIN	5		
36	1K-8953	PLATE	2		

2P-9311 PLANETARY GP (continued)

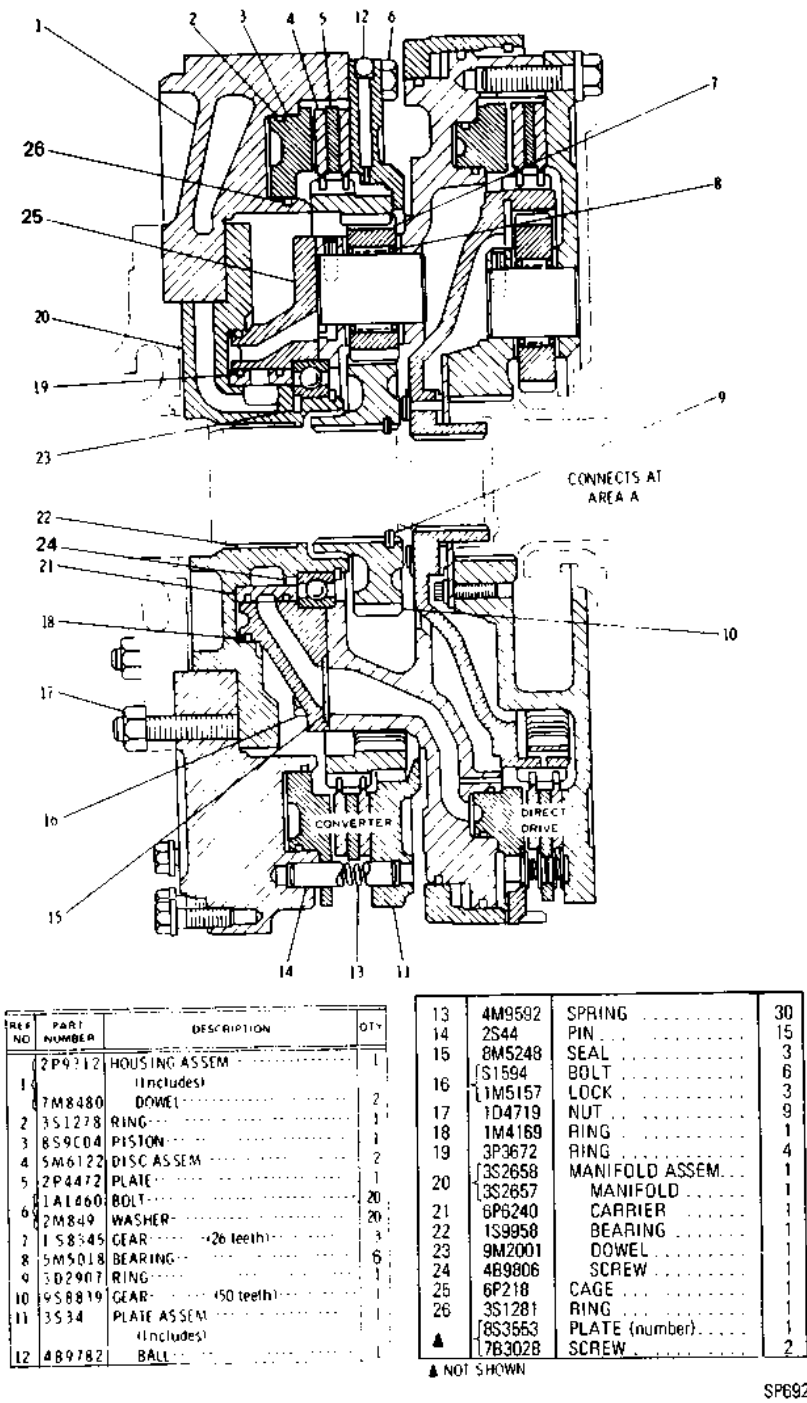
Ref.	Part number	Description	Qty	Code	Group page
37	0T-0573	BOLT	7		
	5M-2894	WASHER	7		
38	3S-1282	RING	1		
39	8S-3371	RING	1		
40	3S-9975	PISTON	1		

CAT codes: R.

2P-9311 PLANETARY GP

2P9311 PLANETARY TRANSMISSION GROUP - Part 2 of 4 - Type 1 Part of 3P375 Transmission Arrangement shown on Page 130

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	2P-9312	HOUSING ASSEM.	1		
(Includes)					
	7M-8480	DOWEL	2		
2	3S-1278	RING	1		

2P-9311 PLANETARY GP (continued)

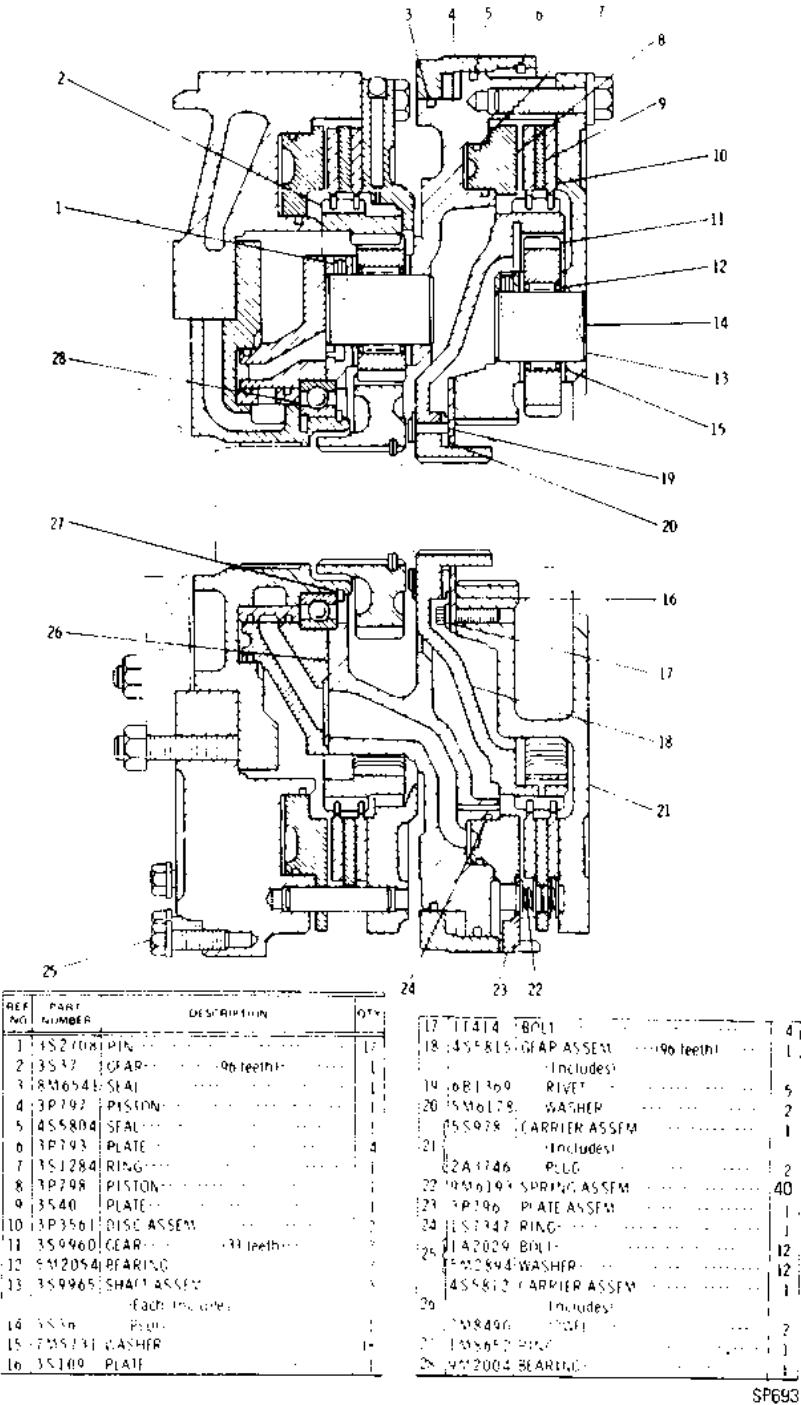
Ref.	Part number	Description	Qty	Code	Group page
3	8S-9004	PISTON	1		
4	5M-6122	DISC ASSEM.	2		
5	2P-4472	PLATE	1	R	
6	1A-1460	BOLT	20		
	2M-0849	WASHER	20		
7	1S-8345	GEAR (26 teeth)	3		
8	5M-5018	BEARING	6		
9	3D-2907	RING	1		
10	9S-8839	GEAR (50 teeth)	1		
11	3S-0034	PLATE ASSEM.	1		
(Includes)					
12	4B-9782	BALL	1		
13	4M-9592	SPRING	30		
14	2S-0044	PIN	15		
15	8M-5248	SEAL	3		
16	0S-1594	BOLT	6		
	1M-5157	LOCK	3		
17	1D-4719	NUT	9		
18	1M-4169	RING	1		
19	3P-3672	RING	4		
20	3S-2658	MANIFOLD ASSEM.	1		
	3S-2657	MANIFOLD	1		
21	6P-6240	CARRIER	1		
22	1S-9958	BEARING	1		
23	9M-2001	DOWEL	1		
24	4B-9806	SCREW	1		
25	6P-0218	CAGE	1		
26	3S-1281	RING	1		
	8S-3553	PLATE (number)	1	H	
	7B-3028	SCREW	2	H	

CAT codes: H, R.

2P-9311 PLANETARY GP

2P9311 PLANETARY TRANSMISSION GROUP - Part 3 of 4 - Type 1 Part of 3P375 Transmission Arrangement shown on Page 130

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	3S-2708	PIN	17		
2	3S-0037	GEAR (96 teeth)	1		
3	8M-6541	SEAL	1		
4	3P-0797	PISTON	1		

2P-9311 PLANETARY GP (continued)

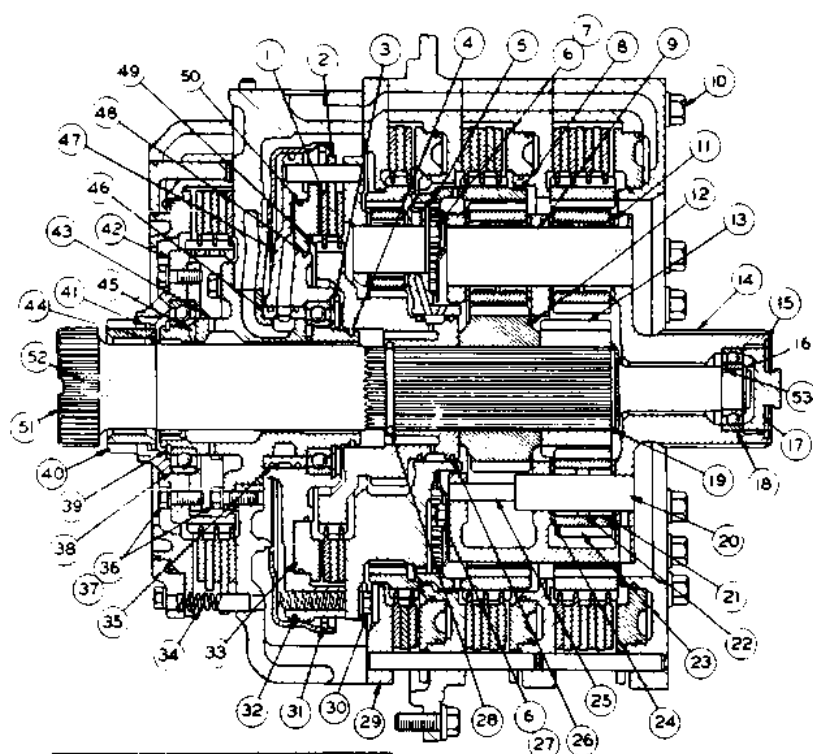
Ref.	Part number	Description	Qty	Code	Group page
5	4S-5804	SEAL	1		
6	3P-0793	PLATE	4		
7	3S-1284	RING	1		
8	3P-0798	PISTON	1		
9	3S-0040	PLATE	1	R	
10	3P-3561	DISC ASSEM.	2		
11	3S-9960	GEAR (33 teeth)	3		
12	5M-2054	BEARING	3		
13	3S-9965	SHAFT ASSEM.	3		
(Each Includes)					
14	3S-0036	PLUG	1		
15	7M-5731	WASHER	18		
16	3S-0109	PLATE	1		
17	1T-0414	BOLT	4		
18	4S-5815	GEAR ASSEM. (96 teeth)	1		
(Includes)					
19	6B-1369	RIVET	5		
20	5M-6178	WASHER	2		
21	5S-0978	CARRIER ASSEM.	1		
(Includes)					
	2A-3746	PLUG	2		
22	9M-6193	SPRING ASSEM.	40		
23	3P-0796	PLATE ASSEM.	1		
24	1S-7347	RING	1		
25	1A-2029	BOLT	12		
	5M-2894	WASHER	12		
26	4S-5812	CARRIER ASSEM.	1		
(Includes)					
	7M-8490	DOWEL	2		
27	1M-8652	RING	1		
28	9M-2004	BEARING	1		

CAT codes: R.

2P-9311 PLANETARY GP

2P9311 PLANETARY TRANSMISSION GROUP - Part 4 of 4 - Type 1 Part of 3P375 Transmission Arrangement shown on Page 130

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4S8724	DISC ASSEM.	2
2	3S0044	PLATE	1
3	1M8649	RING	1
4	6H7201	RING	1
5	LS5623	PLATE	3
6	11102	BOLT	14
7	4F2216	LOCK	3
8	LS5621	GEAR (196 Teeth)	1
9	SS2709	SHAFT	4
10	LS1850	BOLT	16
11	2MS44	WASHER	16
12	7M5783	WASHER	16
13	SS1394	GEAR (35 Teeth)	1
14	SS1395	GEAR (29 Teeth)	1
15	7S4610	CARRIER ASSEM.	1
16	SS7779	RING	1
17	SH3981	RING	1
18	SS4426	ADAPTER	1
19	SS4442	BEARING	1
20	2K5967	SHAFT	4
21	SS2710	BEARING	4
22	SS2669	SPACER	4
23	SS2660	GEAR (17 Teeth)	4
24	7M5734	WASHER	8
25	SM6212	TUBE	4
26	6F155	RING	2
27	3H9500	LOCK	4
28	SS2619	RING	1
29	SS1247	PLATE ASSEM.	1
30	7M8479	DOWEL	2

31	L2070	BOLT	8
32	SM2894	WASHER	8
33	3P4270	PLATE	5
34	4S5805	SEAL	1
35	3P4265	PISTON	1
36	4M9592	SPRING	5
37	3P3672	RING	2
38	SS1594	BOLT	12
39	SS2666	LOCK	6
40	7M2004	BEARING	2
41	1M8652	RING	2
42	SS9134	GEAR ASSEM. (35 and 65 Teeth)	1
43	SS9151	GEAR	1
44	SS9187	RING	1
45	SS9183	HUB	1
46	7S4446	CAGE ASSEM.	1
47	SS1292	BEARING	1
48	9M2901	DOWEL	2
49	6P6240	CARRIER	1
50	SS1120	HOUSING ASSEM.	1
51	7M8480	DOWEL	2
52	SS1283	RING	3
53	SS1396	GEAR (165 and 55 Teeth)	1
54	SS1252	RING	1
55	SS7780	SHAFT ASSEM.	1
56	SS8823	BEARING	1
57	SS4441	DOWEL	1

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Ref.	Part number	Description	Qty	Code	Group page
1	4S-8724	DISC ASSEM.	2		
2	3S-0044	PLATE	1	R	
3	1M-8649	RING	1		
4	6H-7201	RING	1		

2P-9311 PLANETARY GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
5	1S-5623	PLATE	3		
6	0T-0102	BOLT	14		
7	4F-2218	LOCK	3		
8	1S-5621	GEAR (96 Teeth)	1		
9	3S-2709	SHAFT	4		
10	1S-1880	BOLT	16		
	2M-0849	WASHER	16		
11	7M-5783	WASHER	16		
12	3S-1394	GEAR (35 Teeth)	1		
13	3S-1395	GEAR (29 Teeth)	1		
14	7S-4610	CARRIER ASSEM.	1		
15	5S-7779	RING	1		
16	8H-3981	RING	1		
17	5S-4426	ADAPTER	1		
18	5S-4442	BEARING	1		
19	2K-5967	RING	1		
20	3S-2710	SHAFT	4		
21	2S-0669	BEARING	8		
22	3S-2660	SPACER	4		
23	3S-2661	GEAR (17 Teeth)	4		
24	7M-5734	WASHER	8		
25	5M-6212	TUBE	4		
26	6F-0155	RING	2		
27	3H-9500	LOCK	4		
28	3S-2619	RING	1		
29	3S-0147	PLATE ASSEM.	1		
	7M-8479	DOWEL	2		
30	0L-2070	BOLT	8		
	5M-2894	WASHER	8		
31	3P-4270	PLATE	5		
32	4S-5805	SEAL	1		
33	3P-4265	PISTON	1		
34	4M-9592	SPRING	5		
35	3P-3672	RING	2		
36	0S-1594	BOLT	12		
37	3S-2666	LOCK	6		

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