

CATERPILLAR 627B

33V / ZEBP0580

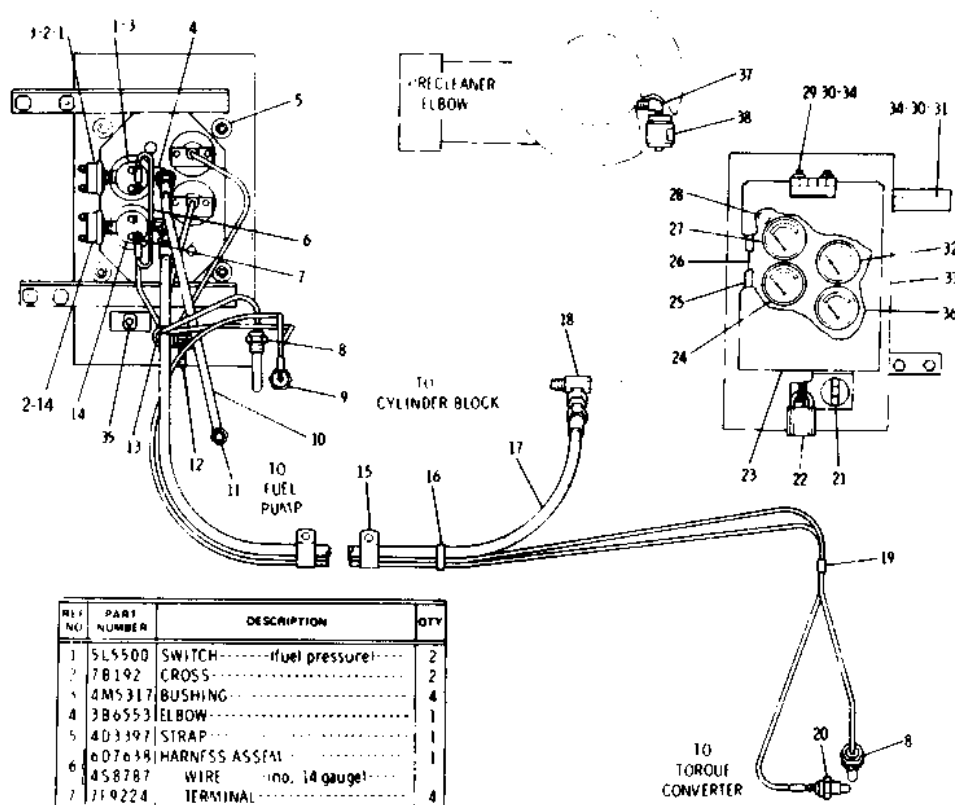
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Fuel system	

9D-7025 WARNING AND GAUGE

9D7025 WARNING AND GAUGE-Type 1

Drawing 1 of 1



8	6H6699	ADAPTER	2
9	7D5131	SWITCH ASSEM. (water temp.)	1
9	3B7255	BUSHING	1
10	4D6064	HOSE ASSEM. (19.25 in. (48.89 cm))	1
11	4D2560	UNION	1
12	0S1620	BOLT	2
12	3B4508	LOCKWASHER	2
13	1S1015	CLIP	2
14	3L6306	SWITCH (engine oil pressure)	2
15	1S994	CLIP	2
16	3S2093	STRAP	2
17	4D6884	HOSE ASSEM. (82 in. (208.28 cm))	1
18	5H4778	UNION	2
19	8M2772	CLIP	1
20	7D8936	SWITCH ASSEM. (temperature)	1
20	4D6082	BOLT	1
21	9S201	WASHER	1
21	3B4610	COTTER PIN	1
22	1G901	PADLOCK	1
22	8M439	KEY	2
23	9D6909	GUARD ASSEM.	1
24	8M9881	INDICATOR (converter temp.)	1
25	3D5073	SEAL	1
26	9D6917	PANEL	1
27	9M6315	INDICATOR (water temp.)	1
28	4F7957	BOLT	4
28	3D5074	NUT	4
29	5S09	BOLT	2
30	3B4506	LOCKWASHER	6
31	5S194	BOLT	4
31	4B4278	WASHER	4
32	4N2234	GAUGE (fuel pressure)	1
33	9D6916	PLATE ASSEM.	1
34	9F2978	NUT (weld)	6
35	1F748	NUT (weld)	1
36	5M1065	GAUGE (engine oil pressure)	1
37	3B8822	ELBOW	1
37	3B7264	NIPPLE	1
38	7S687	INDICATOR (air filter)	1

SP772

Ref.	Part number	Description	Qty	Code	Group page
1	5L-5500	SWITCH (fuel pressure)	2		
2	7B-0192	CROSS	2		
3	4M-5317	BUSHING	4		
4	3B-6553	ELBOW	1		
5	4D-3397	STRAP	1		
6	6D-7638	HARNFSS ASSEM.	1		
	4S-8787	WIRE (no. 14 gauge)	1		
7	7F-9224	TERMINAL	4		
8	6H-6699	ADAPTER	2		
9	7D-5131	SWITCH ASSEM. (water temp.)	1		
	3B-7255	BUSHING	1		
10	4D-6064	HOSE ASSEM. 19.25 in. (48.89 cm)	1		
11	4D-2560	UNION	1		
12	0S-1620	BOLT	2		
	3B-4508	LOCKWASHER	2		
13	1S-1015	CLIP	2		

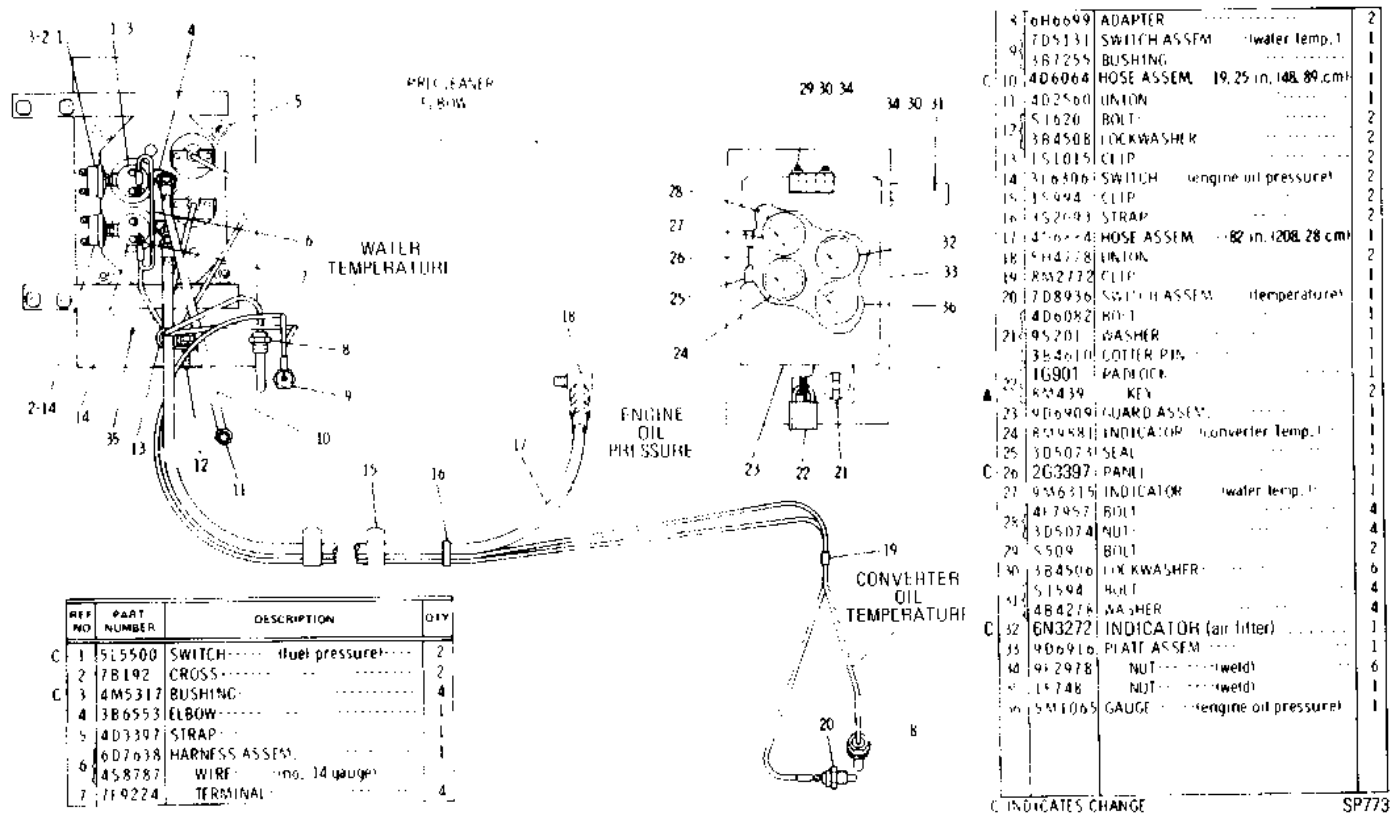
9D-7025 WARNING AND GAUGE (continued)

Ref.	Part number	Description	Qty	Code	Group page
14	3L-6306	SWITCH (engine oil pressure)	2		
15	1S-0994	CLIP	2		
16	3S-2093	STRAP	2		
17	4D-6884	HOSE ASSEM. 82 in. (208.28 cm)	1		
18	5H-4778	UNION	2		
19	8M-2772	CLIP	1		
20	7D-8936	SWITCH ASSEM. (temperature)	1		
21	4D-6082	BOLT	1		
	9S-0201	WASHER	1		
	3B-4610	COTTER PIN	1		
22	1G-0901	PADLOCK	1		
	8M-0439	KEY	2	H	
23	9D-6909	GUARD ASSEM.	1		
24	8M-9881	INDICATOR (converter Temp.)	1		
25	3D-5073	SEAL	1		
26	9D-6917	PANEL	1		
27	9M-6315	INDICATOR (water temp.)	1		
28	4F-7957	BOLT	4		
	3D-5074	NUT	4		
29	0S-0509	BOLT	2		
30	3B-4506	LOCKWASHER	6		
31	0S-1594	BOLT	4		
	4B-4278	WASHER	4		
32	4N-2234	GAUGE (fuel pressure)	1		
33	9D-6916	PLATE ASSEM.	1		
34	9F-2978	NUT (weld)	6		
35	1F-0748	NUT (weld)	1		
36	5M-1065	GAUGE (engine oil pressure)	1		
37	3B-8822	ELBOW	1		
	3B-7264	NIPPLE	1		
38	7S-0687	INDICATOR (air filter)	1		

9D-7025 WARNING AND GAUGE

9D7025 WARNING AND GAUGE-Type 2

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	5L-5500	SWITCH (fuel pressure)	2	C	
2	7B-0192	CROSS	2		
3	4M-5317	BUSHING	4	C	
4	3B-6553	ELBOW	1		
5	4D-3397	STRAP	1		
6	6D-7638	HARNESS ASSEM.	1		
	4S-8787	WIRE (no. 14 gauge)			
7	7F-9224	TERMINAL	4		
8	6H-6699	ADAPTER	2		
9	7D-5131	SWITCH ASSEM. (water temp.)	1		
	3B-7255	BUSHING	1		
10	4D-6064	HOSE ASSEM. 19.25 in. (48.89 cm)	1	C	
11	4D-2560	UNION	1		
12	0S-1620	BOLT	2		
	3B-4508	LOCKWASHER	2		
13	1S-1015	CLIP	2		
14	3L-6306	SWITCH (engine oil pressure)	2		

9D-7025 WARNING AND GAUGE (continued)

Ref.	Part number	Description	Qty	Code	Group page
15	1S-0994	CLIP	2		
16	3S-2093	STRAP	2		
17	4D-6884	HOSE ASSEM. 82 in. (208.28 cm)	1		
18	5H-4778	UNION	2		
19	8M-2772	CLIP	1		
20	7D-8936	SWITCH ASSEM. (temperature)	1		
21	4D-6082	BOLT	1		
	9S-0201	WASHER	1		
	3B-4610	COTTER PIN	1		
22	1G-0901	PADLOCK	1		
	8M-0439	KEY	2	H	
23	9D-6909	GUARD ASSEM.	1		
24	8M-9881	INDICATOR (converter Temp.)	1		
25	3D-5073	SEAL	1		
26	2G-3397	PANEL	1	C	
27	9M-6315	INDICATOR (water temp.)	1		
28	4F-7957	BOLT	4		
	3D-5074	NUT	4		
29	0S-0509	BOLT	2		
30	3B-4506	LOCKWASHER	6		
31	0S-1594	BOLT	4		
	4B-4278	WASHER	4		
32	6N-3272	INDICATOR (air filter)	1	C	
33	9D-6916	PLATE ASSEM.	1		
34	9F-2978	NUT (weld)	6		
35	1F-0748	NUT (weld)	1		
36	5M-1065	GAUGE (engine oil pressure)	1		

CAT codes: C.

GASKET KITS

GASKET KITS

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

Ref.	Part number	Description	Qty	Code	Group page
	5P-3279	TRANSMISSION OVERHAUL	.		
	5P-3281	TORQUE CONVERTER			
	5P-3280	OIL SYSTEM			

NAME PLATES AND TRANSFERS

NAME PLATES AND TRANSFERS

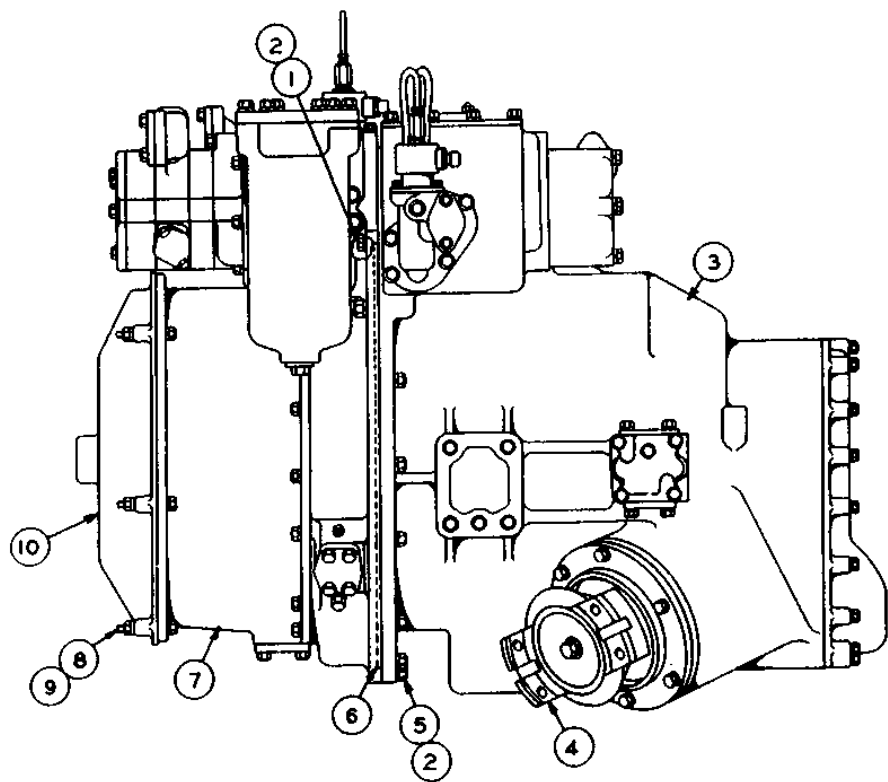
Kit / parts list. The current source card does not provide a separate drawing.

Ref.	Part number	Description	Qty	Code	Group page
	8S-3924	FILM Corporate Symbol	2		
on each side of Bowl					
	5P-2110	FILM 627B	2		
	1S-8678	FILM Drain Valve	1		
on Push Frame above Air Tank Drain Plug on R. H. SIDE					
	2Y-3051	FILM Lubrication	1		
on L. H. side of Bowl					
	1P-9876	FILM CAT	2		
on each side of Bowl					
	3S-8319	PLATE Capacity	1		
on L. H. side of Bowl					
	6H-9718	PLATE Warning	1		
on side of Control Panel Housing					
	2Y-3099	PLATE Serial Number	1		
on L. H. side of Bowl					
	1G-1883	CAP Grease Fitting	6		
	4B-4158	DRIVE SCREW	8		
	8S-5495	TRANSFER CATERPILLAR	2		
on each side of Bowl					

8S-3565 POWER SHIFT TRANSMISSION ARRANGEMENT

8S3565 POWER SHIFT TRANSMISSION ARRANGEMENT Torque Converter and Transmission parts are shown on Pages 100 and 104

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1D4719	NUT	1
2	3B4508	LOCKWASHER	14
3	6P7461	TRANSMISSION GROUP (Separate Illustration)	1
4	8S6370	YOKE	1
5	S1585	BOLT	13
6	8S6251	SEAL	1
7	8S6206	TORQUE CONVERTER GROUP (Separate Illustration)	1
8	1A2029	BOLT	12
9	3B4506	LOCKWASHER	12
10	8S9179	COVERS GROUP----(Shipping)---- (Includes such parts as covers, gaskets, seal, plug, clip and hardware)	1

160917

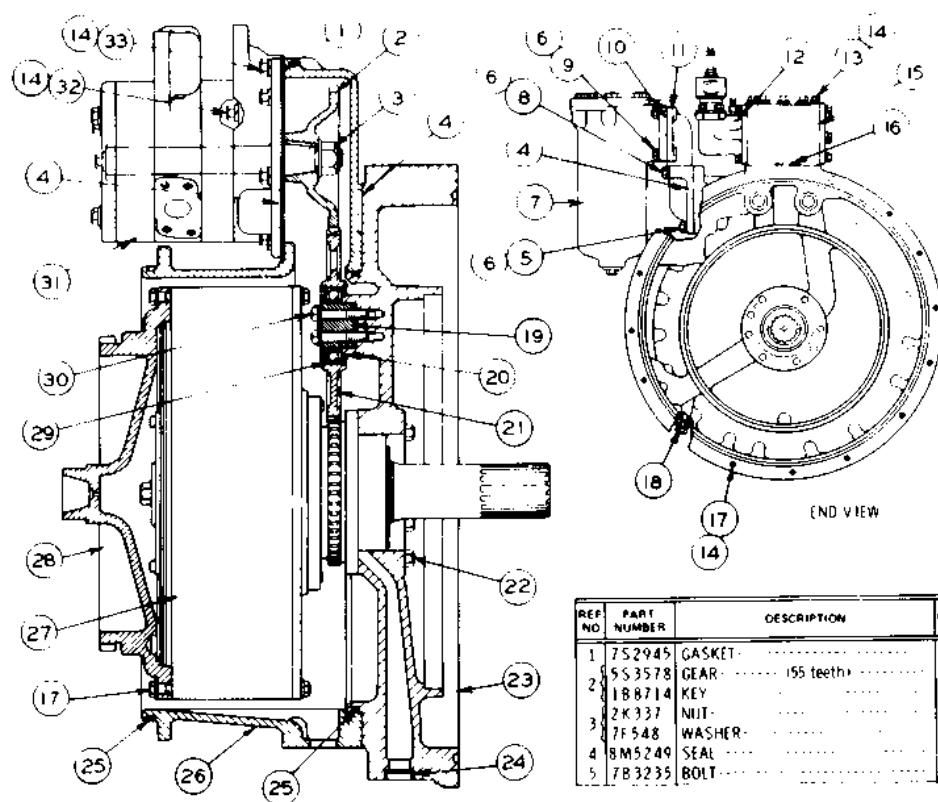
Ref.	Part number	Description	Qty	Code	Group page
1	1D-4719	NUT	1		
2	3B-4508	LOCKWASHER	14		
3	6P-7461	TRANSMISSION GROUP (Separate Illustration)	1	Y	
4	8S-6370	YOKE	1		
5	0S-1585	BOLT	13		
6	8S-6251	SEAL	1		
7	8S-6206	TORQUE CONVERTER GROUP (Separate Illustration)	1	Y	
8	1A-2029	BOLT	12		
9	3B-4506	LOCKWASHER	12		
10	8S-9179	COVERS GROUP (Shipping) (Includes such parts as covers, gaskets, seal, plug, clip and hardware)	1		

CAT codes: Y.

8S-6206 TORQUE CONVERTER GP

8S6206 TORQUE CONVERTER Part of 8S3565 Power Shift Transmission Arrangement shown on Page 99 1T870 Torque Converter, 5S7941 Valve, 7S2983 Pump and 2S6457 Filter parts are shown on Pages 101, 102 and 103

Drawing 1 of 1



6	3B4508	LOCKWASHER	8
7	2S6457	FILTER GROUP	1
(Separate Illustration)			
8	1A5822	BOLT	2
9	0S1585	BOLT	4
10	8M4443	SEAL	2
11	5S7896	MANIFOLD	1
12	5M6214	PLUG	1
13	5F4899	BOLT	4
14	3B4508	LOCKWASHER	20
15	5S7941	VALVE GROUP	1
(Separate Illustration)			
16	8M4432	SEAL	5
	1A2029	BOLT	16
(L 125 in. long. OR L 25 in. long)			
17	5S1588	BOLT	16
	5M2894	WASHER	16
	5M7908	PUMP ASSEM	1
(Includes)			
18	3J1907	SEAL	1
19	5S3580	SHAFT	1
20	4S5926	BEARING	1
21	5S3584	GEAR (74 teeth)	1
22	L2070	BOLT	8
23	8S6244	HOUSING ASSEM	1
(Includes)			
24	8S6248	PLUG	1
25	5M7329	SEAL	2
26	5S3697	HOUSING	1
27	1T870	TORQUE CONVERTER GROUP	1
(Separate Illustration)			
28	8S6245	GEAR (72 teeth)	1
29	3S6874	RING	2
30	1C2251	BOLT	2
	9M1367	LOCK	1
31	7S2983	PUMP GROUP	1
(Separate Illustration)			
32	L1143	BOLT	1
33	1A2029	BOLT	21

C INDICATES CHANGE

146509

Ref.	Part number	Description	Qty	Code	Group page
1	7S-2945	GASKET	1		
2	5S-3578	GEAR (55 teeth)	1		
	1B-8714	KEY	1		
3	2K-0337	NUT	1		
	7F-0548	WASHER	1		
4	8M-5249	SEAL	4		
5	7B-3235	BOLT	2		
6	3B-4508	LOCKWASHER	8		
7	2S-6457	FILTER GROUP	1	Y	
(Separate Illustration)					
8	1A-5822	BOLT	2		
9	0S-1585	BOLT	4		
10	8M-4443	SEAL	2		
11	5S-7896	MANIFOLD	1		
12	5M-6214	PLUG	1		
13	5F-4899	BOLT	4		

8S-6206 TORQUE CONVERTER GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
14	3B-4506	LOCKWASHER	26		
15	5S-7941	VALVE GROUP	1	Y	
(Separate Illustration)					
16	8M-4432	SEAL	5		
17	1A-2029	BOLT (1.125 in. long)	16	C	
OR alternate consist option CAT source: -OR-					
	0S-1588	BOLT (1.25 in. long)	16		
	5M-2894	WASHER	16		
18	5M-7908	PLUG ASSEM.	1		
(Includes)					
	3J-1907	SEAL	1		
19	5S-3580	SHAFT	1		
20	4S-5926	BEARING	1		
21	5S-3584	GEAR (74 teeth)	1		
22	0L-2070	BOLT	8		
23	8S-6244	HOUSING ASSEM.	1		
(Includes)					
24	8S-6248	PLUG	1		
25	5M-7329	SEAL	2		
26	5S-3697	HOUSING	1		
27	1T-0870	TORQUE CONVERTER GROUP	1	Y	
(Separate Illustration)					
28	8S-6245	GEAR (72 teeth)	1		
29	3S-6874	RING	2		
30	1C-2251	BOLT	2		
	9M-1367	LOCK	1		
31	7S-2983	PUMP GROUP	1	Y	
(Separate Illustration)					
32	0L-1143	BOLT	1		
33	1A-2029	BOLT	21	C	

CAT codes: C, Y.

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