

CATERPILLAR 528

51S / SEBP1032

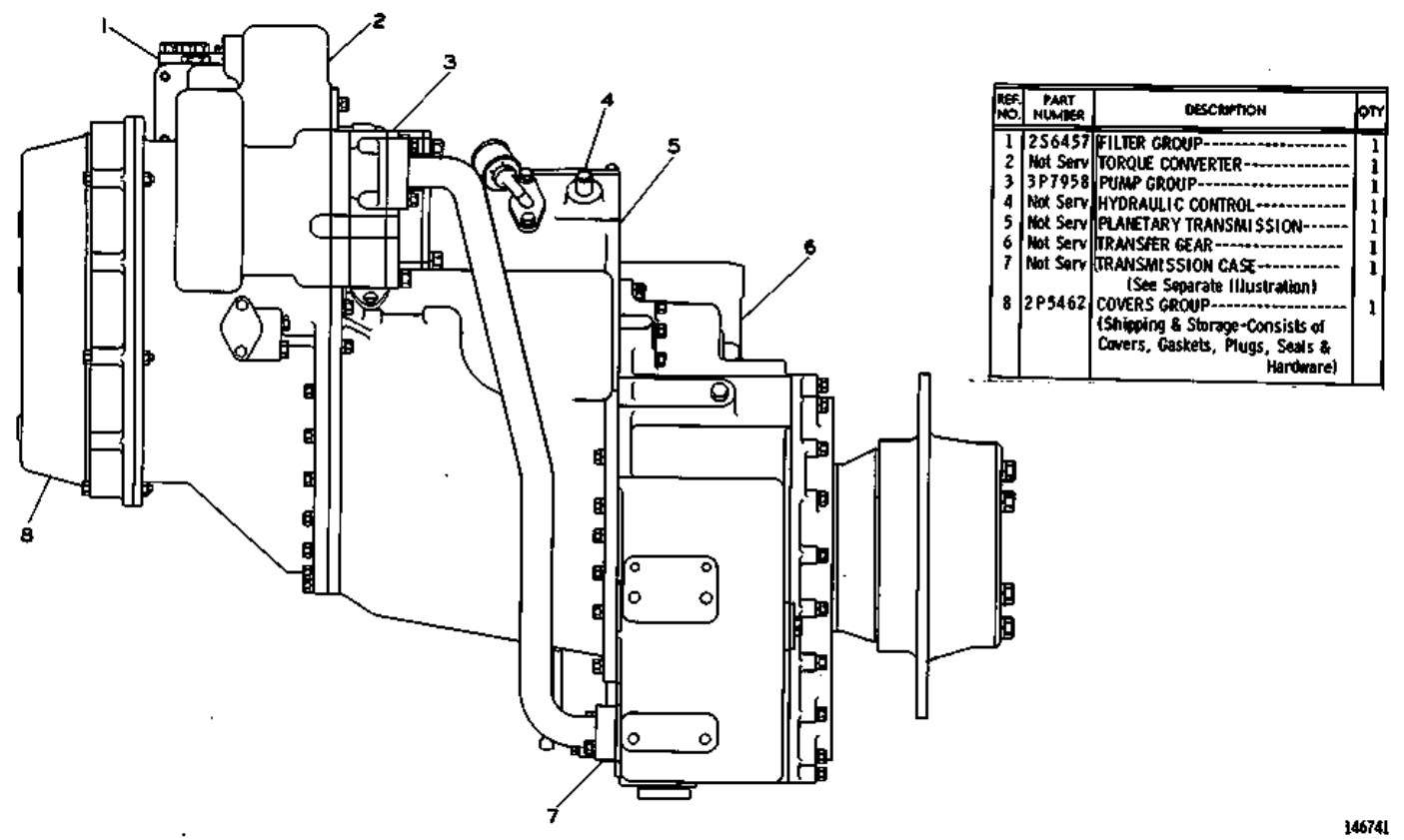
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Fuel system	
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Basic engine	
Cooling system	
Power train	
Power train	

3P-9400 TRANSMISSION AR

3P9400 TRANSMISSION ARRANGEMENT--Side View Torque Converter, Planetary Transmission, Transmission Case, Transmission Hydraulic Control, 3P7958 Pump, 2S6457 Filter and Transfer Gear are shown on Pages 38, 39, 42 through 46, 49 and 56 through 59

Drawing 1 of 1



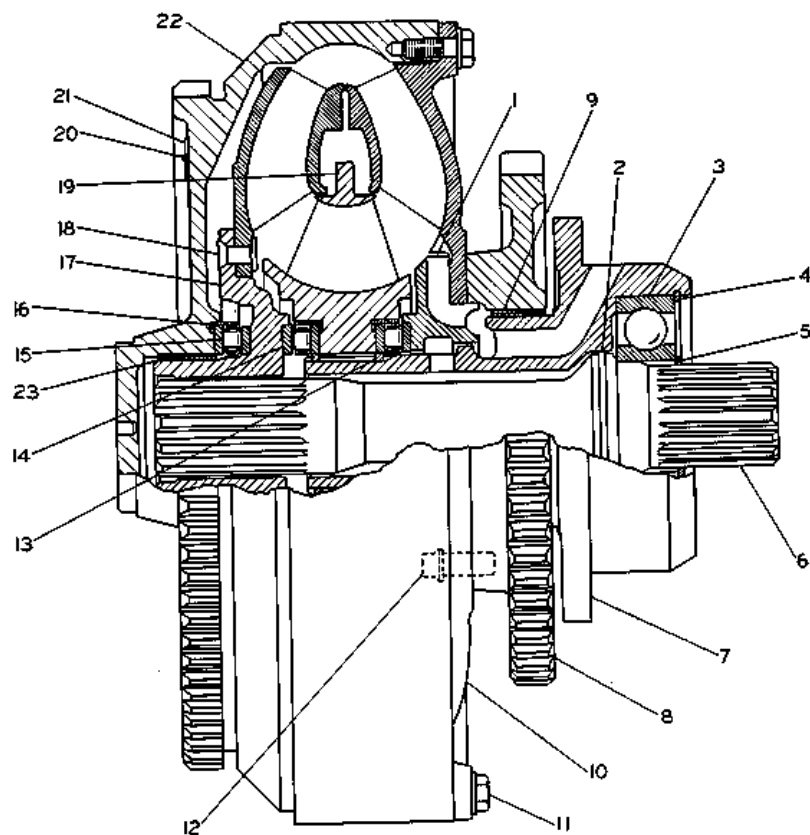
Ref.	Part number	Description	Qty	Code	Group page
1	2S-6457	FILTER GROUP	1		
2	NOT-SERV	TORQUE CONVERTER	1		
3	3P-7958	PUMP GROUP	1		
4	NOT-SERV	HYDRAULIC CONTROL	1		
5	NOT-SERV	PLANETARY TRANSMISSION	1		
6	NOT-SERV	TRANSFER GEAR	1		
7	NOT-SERV	TRANSMISSION CASE	1	Y	
(See Separate Illustration)					
8	2P-5462	COVERS GROUP	1		
(Shipping & Storage-Consists of Covers, Gaskets, Plugs, Seals & Hardware)					

CAT codes: Y.

1T-1030 TORQUE CONVERTER GP

1T1030 TORQUE CONVERTER GROUP Part of Torque Converter shown on Page 39

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1T727	HUB	1
2	1T234	RING	1
3	1T210	BEARING	1
4	1T13	RING	1
5	1T205	RING	1
6	1T1056	SHAFT (Output)	1
7	1T1016	CARRIER	1
8	1T1059	GEAR ASSEM. (55 Teeth)	1
9	1T1047	BEARING	1
10	1T1051	IMPELLER	1
11	S1618	BOLT	24
12	1T738	WASHER	24
13	4K9628	BOLT	8
14	2F6067	RING	2
15	1T737	RACE	6
16	1T736	BEARING	3
17	1T805	RETAINER	3
18	1T1053	TURBINE ASSEM.	1
19	4B4459	RIVET	16
20	1T743	STATOR	1
21	7B3028	SCREW (Drive)	2
22	5M2477	PLATE	1
23	1T1009	HOUSING ASSEM.	1
24	1T767	BEARING	1

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Ref.	Part number	Description	Qty	Code	Group page
1	1T-0727	HUB	1		
2	1T-0234	RING	1		
3	1T-0210	BEARING	1		
4	1T-0013	RING	1		
5	1T-0205	RING	1		
6	1T-1056	SHAFT (Output)	1		
7	1T-1016	CARRIER	1		
8	1T-1059	GEAR ASSEM. (55 Teeth)	1		
9	1T-1047	BEARING	1		
10	1T-1051	IMPELLER	1		
11	0S-1618	BOLT	24		
	1T-0738	WASHER	24		
12	4K-9628	BOLT	8		
13	2F-6067	RING	2		
14	1T-0737	RACE	6		
15	1T-0736	BEARING	3		

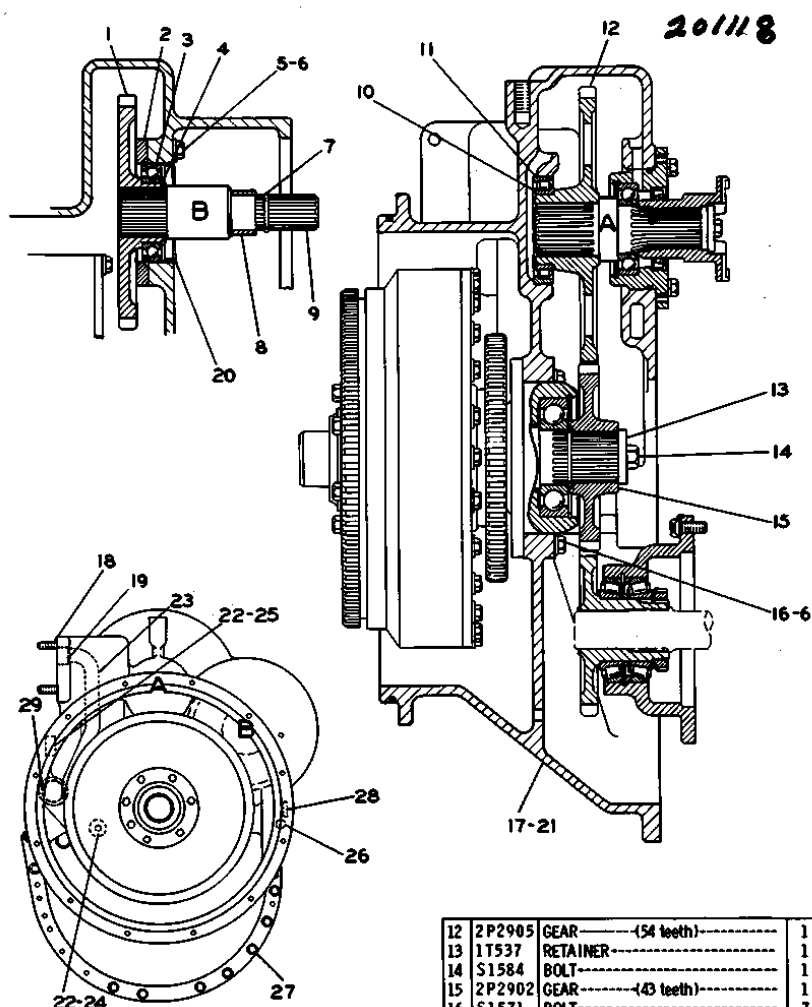
1T-1030 TORQUE CONVERTER GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
16	1T-0805	RETAINER	3		
17	1T-1053	TURBINE ASSEM.	1		
18	4B-4459	RIVET	16		
19	1T-0743	STATOR	1		
20	7B-3028	SCREW (Drive)	2		
21	5M-2477	PLATE	1		
22	1T-1009	HOUSING ASSEM.	1		
23	1T-0767	BEARING	1		

9S-5220 TORQUE CONVERTER GP-W/HSG

9S5220 TORQUE CONVERTER GROUP--Part 1 of 2 Torque Converter Serial No. BL100C-Up Part of 3P9400
Transmission Arrangement shown on Page 36 See Page 147 for Gasket Kits

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2P2875	GEAR------(44 Teeth)-----	1
2	9S4407	RETAINER-----	1
3	3K526	BEARING-----	1
4	5H6199	RING-----	1
5	S1591	BOLT-----	3
6	5M2894	WASHER-----	10
7	8M4988	SEAL-----	1
8	5M2461	SPACER-----	1
9	9S4392	SHAFT-----	1
10	2H3517	RACE & ROLLER ASSEM.-----	1
11	1T295	RACE-----	1

12	2P2905	GEAR------(54 teeth)-----	1
13	1T537	RETAINER-----	1
14	S1584	BOLT-----	1
15	2P2902	GEAR------(43 teeth)-----	1
16	S1571	BOLT-----	7
17	1P8667	COVER ASSEM.-----	1
		(Includes)	
18	3D490	STUD-----	4
19	8S3529	SLEEVE-----	2
20	9S4406	BAFFLE-----	1
21	3F957	DOWEL-----	2
22	9S8008	PLUG-----	2
23	9S4376	TUBE-----	1
24	3D2824	SEAL-----	2
26	9S4191	PLUG-----	1
	3J1907	SEAL-----	1
27	S1588	BOLT-----	19
	3B4506	LOCKWASHER-----	19
28	8S6365	PLUG-----	1
C 29	4F7952	SEAL-----	1

C INDICATES CHANGE

201118

Ref.	Part number	Description	Qty	Code	Group page
1	2P-2875	GEAR (44 Teeth)	1		
2	9S-4407	RETAINER	1		
3	3K-0526	BEARING	1		
4	5H-6199	RING	1		

9S-5220 TORQUE CONVERTER GP-W/HSG (continued)

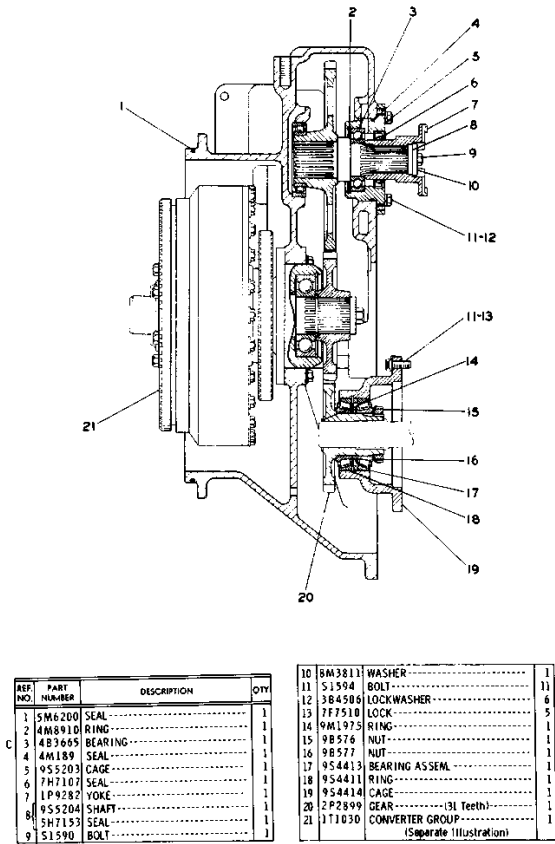
Ref.	Part number	Description	Qty	Code	Group page
5	0S-1591	BOLT	3		
6	5M-2894	WASHER	10		
7	8M-4988	SEAL	1		
8	5M-2461	SPACER	1		
9	9S-4392	SHAFT	1		
10	2H-3517	RACE & ROLLER ASSEM.	1		
11	1T-0295	RACE	1		
12	2P-2905	GEAR (54 teeth)	1		
13	1T-0537	RETAINER	1		
14	0S-1584	BOLT	1		
15	2P-2902	GEAR (43 teeth)	1		
16	0S-1571	BOLT	7		
17	1P-8667	COVER ASSEM.	1		
(Includes)					
18	3D-0490	STUD	4		
19	8S-3529	SLEEVE	2		
20	9S-4406	BAFFLE	1		
21	3F-0957	DOWEL	2		
22	9S-8008	PLUG	2		
23	9S-4376	TUBE	1		
24	3D-2824	SEAL	2		
26	9S-4191	PLUG	1		
	3J-1907	SEAL	1		
27	0S-1588	BOLT	19		
	3B-4506	LOCKWASHER	19		
28	8S-6365	PLUG	1		
29	4F-7952	SEAL	1	C	

CAT codes: C.

9S-5220 TORQUE CONVERTER GP-W/HSG

9S5220 TORQUE CONVERTER GROUP--Part 2 of 2 Torque Converter Serial No. BL100C-Up Part of 3P9400
Transmission Arrangement shown on Page 36 1T1030 Torque Converter parts are shown on Page 37

Drawing 1 of 1



C INDICATES CHANGE
206243

Ref.	Part number	Description	Qty	Code	Group page
1	5M-6200	SEAL	1		
2	4M-8910	RING	1		
3	4B-3665	BEARING	1	C	
4	4M-0189	SEAL	1		
5	9S-5203	CAGE	1		
6	7H-7107	SEAL	1		
7	1P-9282	YOKE	1		
8	9S-5204	SHAFT	1		
	5H-7153	SEAL	1		
9	0S-1590	BOLT	1		
10	8M-3811	WASHER	1		
11	0S-1594	BOLT	11		
12	3B-4506	LOCKWASHER	6		
13	7F-7510	LOCK	5		

9S-5220 TORQUE CONVERTER GP-W/HSG (continued)

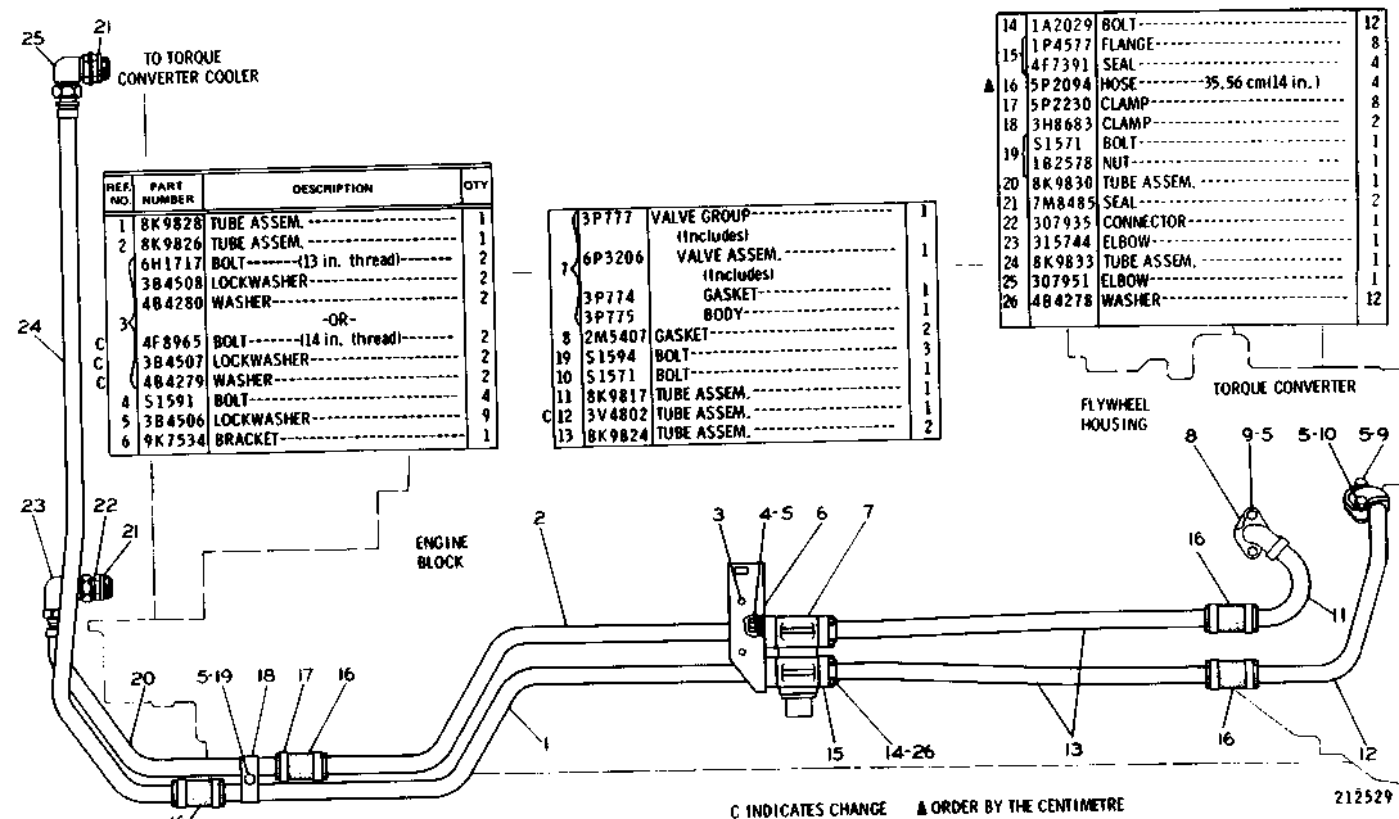
Ref.	Part number	Description	Qty	Code	Group page
14	9M-1975	RING	1		
15	9B-0576	NUT	1		
16	9B-0577	NUT	1		
17	9S-4413	BEARING ASSEM.	1		
18	9S-4411	RING	1		
19	9S-4414	CAGE	1		
20	2P-2899	GEAR (31 Teeth)	1		
21	1T-1030	CONVERTER GROUP	1	Y	
(Separate Illustration)					

CAT codes: C, Y.

8K-9831 LINES GP-TORQUE CONV COOLER

8K9831 TORQUE CONVERTER COOLER LINES GROUP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	8K-9828	TUBE ASSEM.	1		
2	8K-9826	TUBE ASSEM.	1		
3	6H-1717	BOLT (13 in. thread)	2		
	3B-4508	LOCKWASHER	2		
	4B-4280	WASHER	2		
OR alternate consist option CAT source: -OR-					
	4F-8965	BOLT (14 in. thread)	2	C	
	3B-4507	LOCKWASHER	2	C	
	4B-4279	WASHER	2	C	
4	0S-1591	BOLT	4		
5	3B-4506	LOCKWASHER	9		
6	9K-7534	BRACKET	1		
7	3P-0777	VALVE GROUP	1		
(Includes)					
	6P-3206	VALVE ASSEM.	1		
(Includes)					
	3P-0774	GASKET	1		

8K-9831 LINES GP-TORQUE CONV COOLER (continued)

Ref.	Part number	Description	Qty	Code	Group page
	3P-0775	BODY	1		
8	2M-5407	GASKET	2		
19	0S-1594	BOLT	3		
10	0S-1571	BOLT	1		
11	8K-9817	TUBE ASSEM.	1		
12	3V-4802	TUBE ASSEM.	1	C	
13	8K-9824	TUBE ASSEM.	2		
14	1A-2029	BOLT	12		
15	1P-4577	FLANGE	8		
	4F-7391	SEAL	4		
16	5P-2094	HOSE 35.56 cm(14 in.)	4	H	
17	5P-2230	CLAMP	8		
18	3H-8683	CLAMP	2		
19	0S-1571	BOLT	1		
	1B-2578	NUT	1		
20	8K-9830	TUBE ASSEM.	1		
21	7M-8485	SEAL	2		
22	030-7935	CONNECTOR	1		
23	031-5744	ELBOW	1		
24	8K-9833	TUBE ASSEM.	1		
25	030-7951	ELBOW	1		
26	4B-4278	WASHER	12		

CAT codes: C, H.

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