

CATERPILLAR D9H

99V / SEBP1003

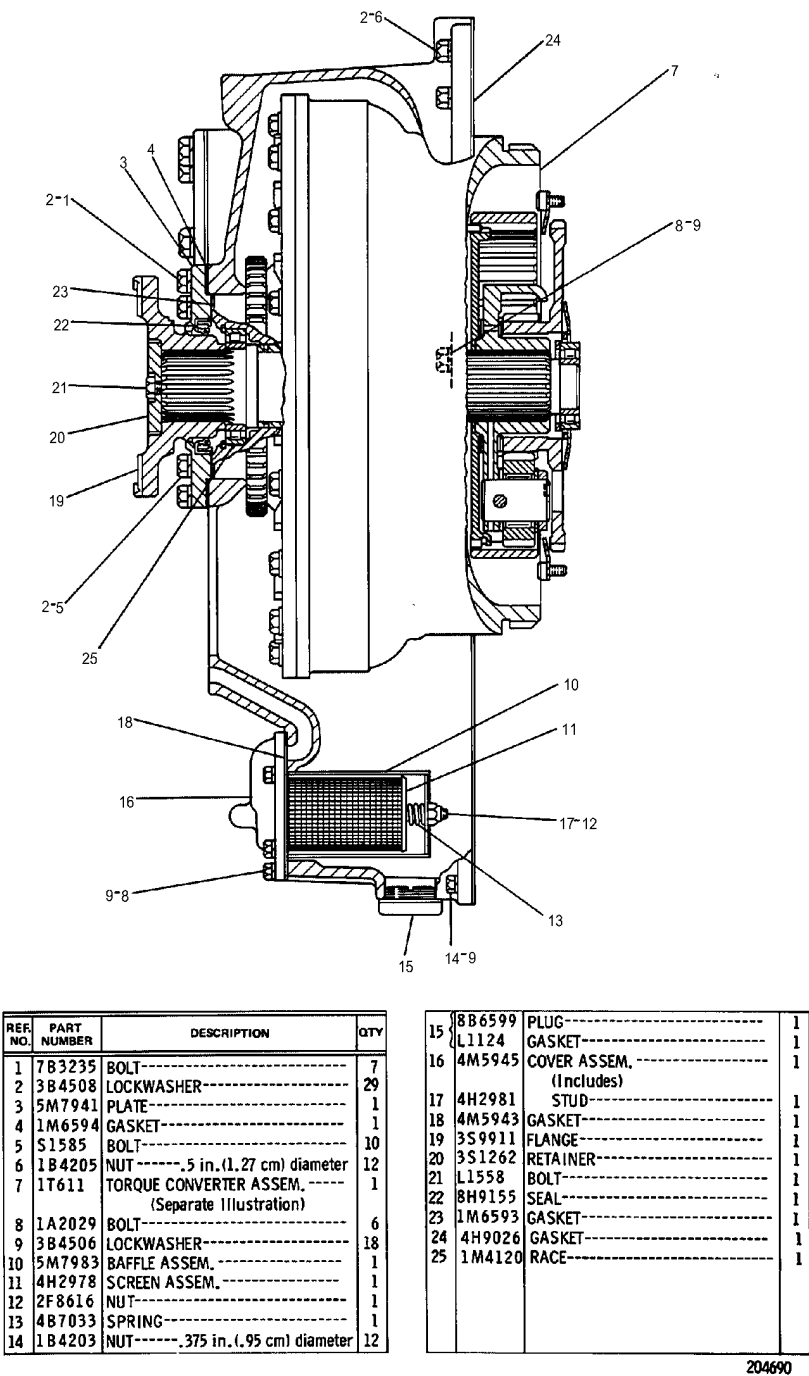
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3P-7663 TORQUE CONVERTER GP

TORQUE CONVERTER (3P7663 N/S)--Part 1 of 2 1T611 Torque Converter parts are shown on Page 46 See Page 185 for Gasket Kits

Drawing 1 of 1



204690

Ref.	Part number	Description	Qty	Code	Group page
1	7B-3235	BOLT	7		
2	3B-4508	LOCKWASHER	29		
3	5M-7941	PLATE	1		
4	1M-6594	GASKET	1		

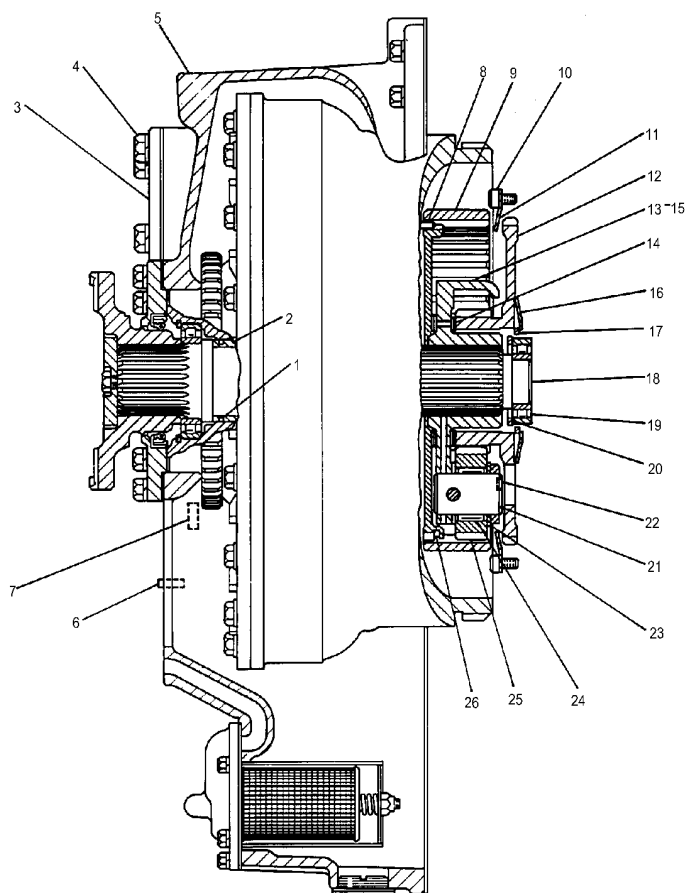
3P-7663 TORQUE CONVERTER GP (continued)

Ref.	Part number	Description	Qty	Code	Group page
5	0S-1585	BOLT	10		
6	1B-4205	NUT .5 in.(1.27 cm) diameter	12		
7	1T-0611	TORQUE CONVERTER ASSEM.	1	Y	
8	1A-2029	BOLT	6		
9	3B-4506	LOCKWASHER	18		
10	5M-7983	BAFFLE ASSEM.	1		
11	4H-2978	SCREEN ASSEM.	1		
12	2F-8616	NUT	1		
13	4B-7033	SPRING	1		
14	1B-4203	NUT .375 in.(.95 cm) diameter	12		
15	8B-6599	PLUG	1		
	0L-1124	GASKET	1		
16	4M-5945	COVER ASSEM.	1		
(Includes)					
17	4H-2981	STUD	1		
18	4M-5943	GASKET	1		
19	3S-9911	FLANGE	1		
20	3S-1262	RETAINER	1		
21	0L-1558	BOLT	1		
22	8H-9155	SEAL	1		
23	1M-6593	GASKET	1		
24	4H-9026	GASKET	1		
25	1M-4120	RACE	1		
CAT source note: Separate Illustration CAT source note; shown as provided					

3P-7663 TORQUE CONVERTER GP

TORQUE CONVERTER (3P7663 N/S)--Part 2 of 2

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1M3937	RING-----	1
2	5M7966	SLEEVE-----	1
3	2S7898	COVER-----	1
▲ 3	1M2651	GASKET-----	1
▲ 4	S1594	BOLT-----	8
▲ 4	3B4506	LOCKWASHER-----	8
▲ 5	2S7890	COVER ASSEM.-----	1
		(Includes)	
6	5B5812	DOWEL-----	4
7	3B623	PLUG-----	2
8	5H8985	PIN-----	2
9	5M8007	GEAR----- (96 teeth)-----	1
10	S509	BOLT-----	8
10	5B7617	LOCK-----	4
11	5M7959	RETAINER-----	4
12	5M7990	GEAR----- (42 teeth)-----	1
13	5M7953	CARRIER ASSEM.-----	1
		(Includes)	
C 14	8P1957	WASHER-----	2
C 14	5P6943	RIVET-----	5

▲ FOR REPLACEMENT OF TORQUE CONVERTER COVER

15	4B3903	BOLT-----	3
15	1D4716	NUT-----	3
16	2A5328	LOCK-----	3
16	9H7908	WASHER-----	1
17	1M9653	RING-----	1
17	3S9919	SHAFT ASSEM.-----	1
18		(Includes)	
18	1M4102	PLUG-----	1
19	2K5254	RACE AND ROLLER ASSEM.-(outer)-----	1
19	2K5253	RACE----- (inner)-----	1
20	4M8910	RING-----	1
21	5M7955	SHAFT ASSEM.-----	3
		(Each Includes)	
22	2A3746	PLUG-----	1
C 23	7G896	WASHER-----	6
24	5M2051	BEARING ASSEM.-----	3
C 25	7G2492	GEAR----- (27 teeth)-----	3
26	2M1125	RING-----	1
	FE035599	FORM-----	1
		(Installing Torque Converter Cover)	

C INDICATES CHANGE

222002

Ref.	Part number	Description	Qty	Code	Group page
1	1M-3937	RING	1		
2	5M-7966	SLEEVE	1		
3	2S-7898	COVER	1	H	
	1M-2651	GASKET	1	H	
4	0S-1594	BOLT	8	H	

3P-7663 TORQUE CONVERTER GP (continued)

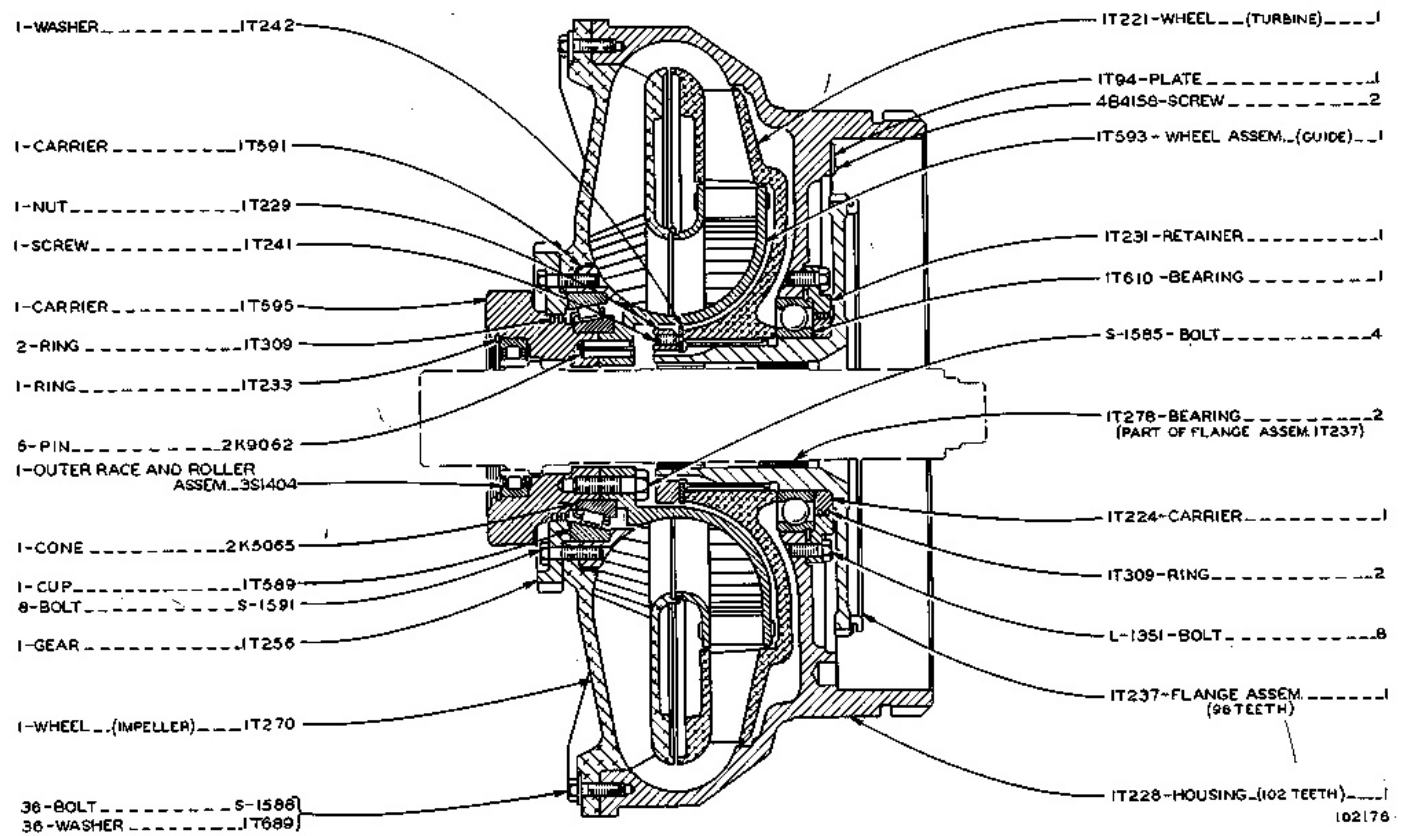
Ref.	Part number	Description	Qty	Code	Group page
	3B-4506	LOCKWASHER	8	H	
5	2S-7890	COVER ASSEM.	1	H	
(Includes)					
6	5B-5812	DOWEL	4		
7	3B-0623	PLUG	2		
8	5H-8985	PIN	2		
9	5M-8007	GEAR (96 teeth)	1		
10	0S-0509	BOLT	8		
	5B-7617	LOCK	4		
11	5M-7959	RETAINER	4		
12	5M-7990	GEAR (42 teeth)	1		
13	5M-7953	CARRIER ASSEM.	1		
(Includes)					
14	8P-1957	WASHER	2	C	
	5P-6943	RIVET	5	C	
15	4B-3903	BOLT	3		
	1D-4716	NUT	3		
	2A-5328	LOCK	3		
16	9H-7908	WASHER	1		
17	1M-9653	RING	1		
18	3S-9919	SHAFT ASSEM.	1		
(Includes)					
	1M-4102	PLUG	1		
19	2K-5254	RACE AND ROLLER ASSEM. (outer)	1		
	2K-5253	RACE (inner)	1		
20	4M-8910	RING	1		
21	5M-7955	SHAFT ASSEM.	3		
(Each Includes)					
22	2A-3746	PLUG	1		
23	7G-0896	WASHER	6	C	
24	5M-2051	BEARING ASSEM.	3		
25	7G-2492	GEAR (27 teeth)	3	C	
26	2M-1125	RING	1		

CAT codes: C, H.

1T-0611 TORQUE CONVERTER AS

1T611 HYDRAULIC TORQUE CONVERTER ASSEMBLY Serial No. 99V1 to 99V142 inclusive and 12U1 to 12U142 inclusive Torque Converter Serial No. 20T3132 to 20T26314 inclusive Part of 3P7663 Torque Converter Group shown on Page 44

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
	1T-0242	WASHER	1		
	1T-0591	CARRIER	1		
	1T-0229	NUT	1		
	1T-0241	SCREW	1		
	1T-0595	CARRIER	1		
	1T-0309	RING	2		
	1T-0233	RING	1		
	2K-9062	PIN	6		
	3S-1404	OUTER RACE AND ROLLER ASSEM.	1		
	2K-5065	CONE	1		
	1T-0589	CUP	1		
	0S-1591	BOLT	8		
	1T-0256	GEAR	1		
	1T-0270	WHEEL (IMPELLER)	1		
	0S-1588	BOLT	36		

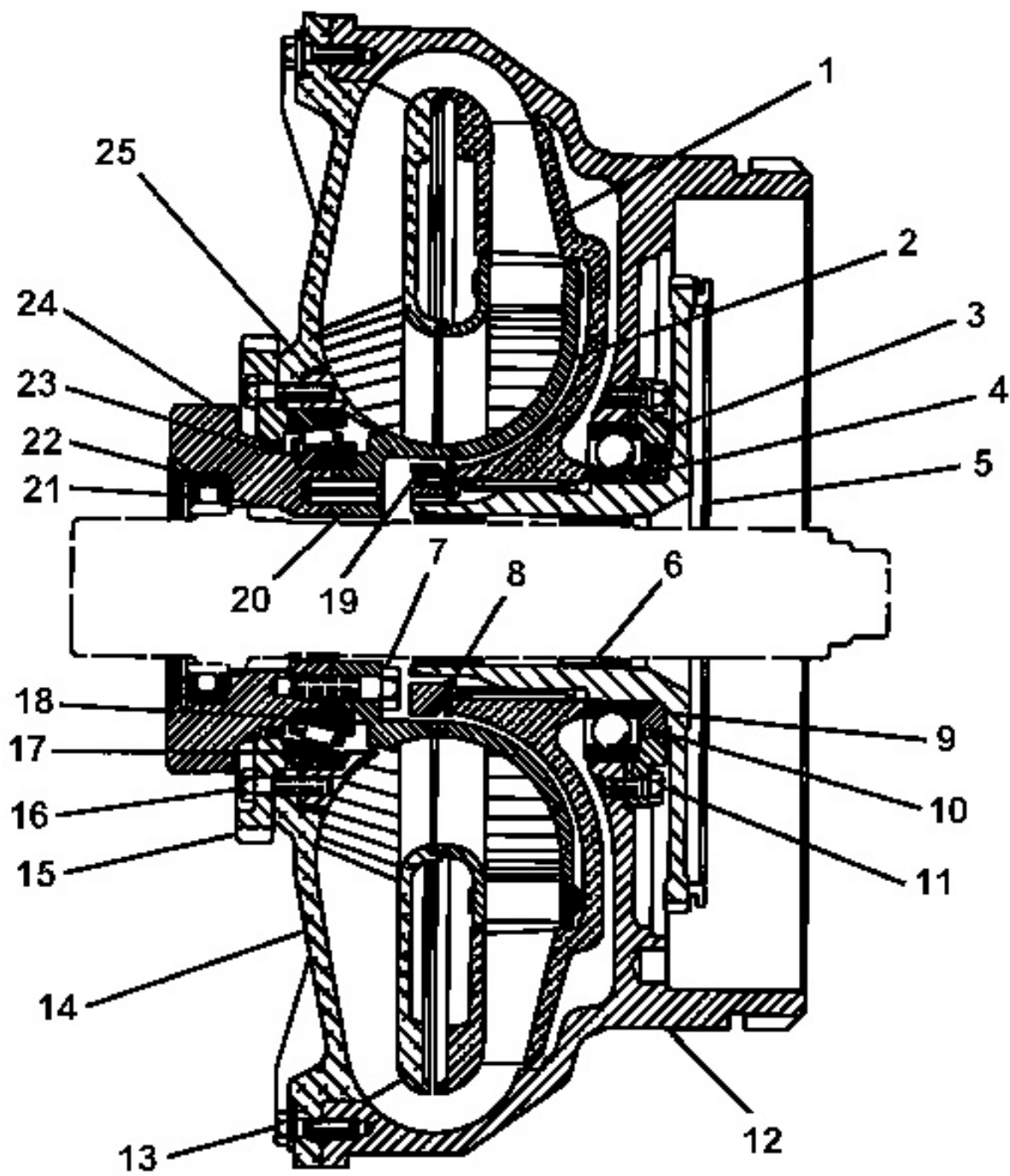
1T-0611 TORQUE CONVERTER AS (continued)

Ref.	Part number	Description	Qty	Code	Group page
	1T-0689	WASHER	36		
	1T-0221	WHEEL (TURBINE)	1		
	1T-0094	PLATE	1		
	4B-4158	SCREW	2		
	1T-0593	WHEEL ASSEM. (GUIDE)	1		
	1T-0231	RETAINER	1		
	1T-0610	BEARING	1		
	0S-1585	BOLT	4		
	1T-0278	BEARING	2		
(PART OF FLANGE ASSEM. 1T237)					
	1T-0224	CARRIER	1		
	1T-0309	RING	2		
	0L-1351	BOLT	8		
	1T-0237	FLANGE ASSEM.	1		
(96 TEETH)					
	1T-0228	HOUSING (102 TEETH)	1		

1T-0611 TORQUE CONVERTER AS

1T611 HYDRAULIC TORQUE CONVERTER ASSEMBLY Serial No. 99V143-Up and 12U143-Up and Torque Converter Serial No. 20T26315-Up Part of 3P7663 Torque Converter Group shown on Page 44

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	1T-0221	WHEEL-TURBINE (TURBINE)	1		
2	1T-1562	WHEEL AS-GUIDE (GUIDE)	1	C	
3	1T-0231	RETAINER-BEARING	1		
4	1T-0610	BALL BEARING	1		

1T-0611 TORQUE CONVERTER AS (continued)

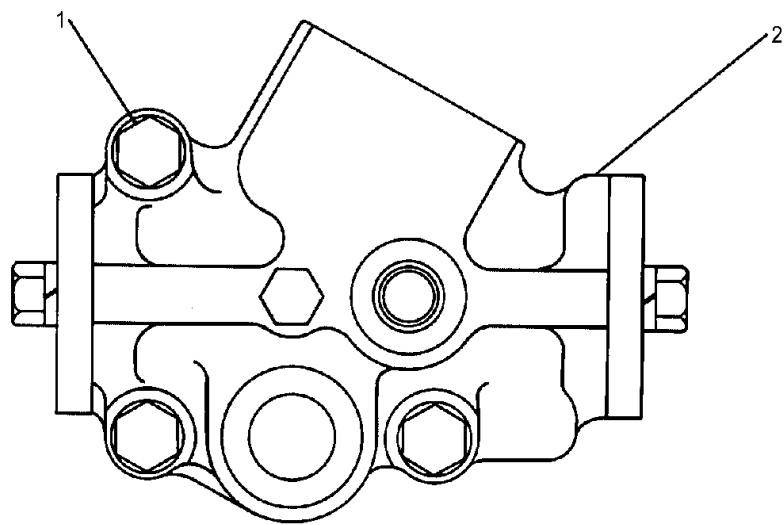
Ref.	Part number	Description	Qty	Code	Group page
5	1T-0237	FLANGE AS-OUTPUT (96 TEETH)	1		
6	1T-0278	BEARING-SLEEVE	2		
7	0S-1585	BOLT	4		
8	1T-0242	WASHER-BEARING LOCK	1		
9	1T-0224	CARRIER-RING	1		
10	1T-0309	RING-METAL SEAL	2		
11	0L-1351	BOLT	8		
12	1T-0228	HOUSING-ROTATING (102 TEETH)	1		
13	0S-1588	BOLT	36		
	1T-0689	WASHER	36		
14	1T-1399	IMPELLER-CONVERTER (IMPELLER)	1	C	
15	1T-0256	GEAR-PUMP DRIVE (DRIVE-78 TEETH)	1		
16	0S-1591	BOLT	8		
17	1T-0589	CUP-ROLLER BEARING	1		
18	2K-5065	CONE-ROLLER BEARING	1		
19	1T-0241	SCREW-SET	1		
	1T-0229	NUT-BEARING LOCK	1		
20	2K-9062	PIN-SPRING	6		
21	3S-1404	BEARING-OUTER	1		
ROLLER AS.					
22	1T-0233	RING-RETAINER	1		
23	1T-0309	RING-METAL SEAL	2		
24	1T-0595	CARRIER-WHEEL	1		
25	1T-1389	CARRIER-BEARING	1	C	

CAT codes: C.

3P-7664 VALVE GP

RELIEF VALVE (3P7664 N/S)--Converter Charging

Drawing 1 of 1



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	51619	BOLT-----	3
	3B4506	LOCKWASHER-----	3
2	3P7665	VALVE GROUP----- (Separate Illustration)	1

204092

Ref.	Part number	Description	Qty	Code	Group page
1	0S-1619	BOLT	3		
	3B-4506	LOCKWASHER	3		
2	3P-7665	VALVE GROUP	1	Y	
CAT source note: Separate Illustration CAT source note; shown as provided					

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