

SERVICE SPECIFICATIONS

SERVICE DATA

TR026-02

Input gear snap ring	Mark		
	A	2.00 m m	0.0787 in.
	B	2.10 mm	0.0827 in.
	C	2.20 mm	0.0866 in.
	D	2.30 m m	0.0906 in.
	E	2.40 m m	0.0945 in.
	F	2.50 mm	0.0984 in.
	G	2.60 m m	0.1024 in.
	H	2.70 mm	0.1063 in.
	J	2.80 m m	0.1102 in.
Input shaft rear ball bearing snap ring	Mark		
	A	2.00 m m	0.0787 in.
	B	2.10 mm	0.0827 in.
	C	2.20 m m	0.0866 in.
	D	2.30 mm	0.0906 in.
	E	2.40 m m	0.0945 in.
Idler low gear thrust clearance	STD	0.125 – 0.275 mm	0.0049 – 0.0108 in.
	Limit	0.275 mm	0.0108 in.
Idler low gear radial clearance	STD	0.015 – 0.068 mm	0.0006 – 0.0027 in.
	Limit	0.068 m m	0.0027 in.
High speed gear thrust clearance	STD	0.10 – 0.25 m m	0.0039 – 0.0098 in.
	Limit	0.25 mm	0.0098 in.
High speed gear radial clearance	STD	0.015 – 0.071 mm	0.0006 – 0.0028 in.
	Limit	0.071 mm	0.0028 in.
Center differential backlash adjusting shim		1.70 mm	0.0669 in.
		1.85 mm	0.0728 in.
		2.00 m m	0.0787 in.
		2.15 m m	0.0846 in.
		2.30 mm	0.0906 in.
		2.45 m m	0.0965 in.
		2.60 mm	0.1024 in.
		2.75 mm	0.1083 in.
		2.90 mm	0.1142 in.
		3.05 m m	0.1201 in.
Center differential backlash	Limit	0.05 mm	0.0020 in.
Oil pump driven rotor body clearance	STD	0.08–0.17mm	0.0031 – 0.0067 in.
	Limit	0.17 mm	0.0067 in.
Oil pump driven rotor body tip clearance	STD	0.05 – 0.15 mm	0.0020 – 0.0059 in.
	Limit	0.15 mm	0.0059 in.
Oil pump side clearance	STD	0.03 – 0.10 m m	0.0012 – 0.0039 in.
	Limit	0.10 mm	0.0039 in.
Front drive gear piece snap ring	Mark		
	A	2.00 mm	0.0787 in.
	B	2.10 mm	0.0827 in.
	C	2.20 mm	0.0866 in.
	D	2.30 mm	0.0906 in.

	E	2.40 m m	0.0945 in.
	F	2.50 mm	0.0984 in.
	G	2.60 m m	0.1024 in.
	H	2.70 mm	0.1063 in.
	J	2.80 mm	0.1102 in.
	K	1.80 m m	0.0709 in.
	L	1.90 mm	0.0748 in.
Rear output shaft adjusting shim			
	Idler gear side	Mark	
	2	0.30 mm	0.0118 in.
	3	0.45 mm	0.0177 in.
	4	2.40 m m	0.0945 in.
	5	2.60 m m	0.1024 in.
	6	2.80 mm	0.1102 in.
	7	3.00 m m	0.1 181 in.
	8	3.20 mm	0. 1260 in.
	9	3.40 m m	0.1339 in.
	10	3.60 mm	0.1417 in.
	11	3.80 m m	0.1496 in.
	12	4.00 mm	0.1575 in.
	13	0.55 mm	0.0216 in.
	Output shaft side Mark		
	B	0.30 mm	0.0118 in.
	C	0.45 m m	0.0177 in.
	D	1.00 m m	0.0394 in.
	E	1.20 mm	0.0472 in.
	F	1.40 m m	0.0551 in.
	G	1.60 mm	0.0630 in.
	H	1.80 mm	0.0709 in.
	J	2.00 m m	0.0787 in.
	K	2.20 m m	0.0866 in.
	L	2.40 m m	0.0945 in.
	M	2.60 mm	0.1024 in.
	N	0.55 mm	0.0216 in.

TORQUE SPECIFICATIONS

TR027-02

Part tightened	N-m	kgf•cm	ft-lbf
Oil pump plate x Rear extension housing	4.9	50	43 in.-lbf
Screw plug x Rear extension housing	29	300	22
Oil pump cover x Rear extension housing	4.9	50	43 in.-lbf
Lever lock pin	12	120	9
Oil strainer x Rear case	4.9	50	43 in.-lbf
Case cover x Rear case	37	380	27
Rear extension housing x Rear case	37	380	27
Front extension housing x Front case	37	380	27
Center Diff Lock Indicator switch x Front extension housing	37	380	27
Screw plug x Front case	19	190	14
Motor actuator x Front case	18	185	13
Differential front case x Differential rear case	98	1,000	72

(temporarily tighten)	88	900	65
Front case x Rear case	37	380	27
Rear case x Bearing Retainer	39	400	28