

SERVICE SPECIFICATIONS

SERVICE DATA

Idler gear rear bearing adjusting shim thickness	Mark 2	0.30 mm (0.0118 in.)
	Mark 3	0.45 mm (0.0177 in.)
	Mark 4	2.40 mm (0.0945 in.)
	Mark 5	2.60 mm (0.1024 in.)
	Mark 6	2.80 mm (0.1102 in.)
	Mark 7	3.00 mm (0.1181 in.)
	Mark 8	3.20 mm (0.1260 in.)
	Mark 9	3.40 mm (0.1339 in.)
	Mark 10	3.60 mm (0.1417 in.)
	Mark 11	3.80 mm (0.1496 in.)
	Mark 12	4.00 mm (0.1575 in.)
	Mark 13	0.55 mm (0.0216 in.)
Output shaft rear bearing adjusting shim thickness	Mark B	0.30 mm (0.0118 in.)
	Mark C	0.45 mm (0.0177 in.)
	Mark D	1.00 mm (0.0394 in.)
	Mark E	1.20 mm (0.0472 in.)
	Mark F	1.40 mm (0.0551 in.)
	Mark G	1.60 mm (0.0630 in.)
	Mark H	1.80 mm (0.0709 in.)
	Mark J	2.00 mm (0.0787 in.)
	Mark K	2.20 mm (0.0866 in.)
	Mark L	2.40 mm (0.0945 in.)
	Mark M	2.60 mm (0.1024 in.)
	Mark N	0.55 mm (0.0216 in.)
Input gear snap ring thickness	Mark A	2.00 mm (0.0787 in.)
	Mark B	2.10 mm (0.0827 in.)
	Mark C	2.20 mm (0.0866 in.)
	Mark D	2.30 mm (0.0906 in.)
	Mark E	2.40 mm (0.0945 in.)
	Mark F	2.50 mm (0.0984 in.)
	Mark G	2.60 mm (0.1024 in.)
	Mark H	2.70 mm (0.1063 in.)
	Mark J	2.80 mm (0.1102 in.)
Input shaft rear ball bearing snap ring thickness	Mark A	2.00 mm (0.0787 in.)
	Mark B	2.10 mm (0.0827 in.)
	Mark C	2.20 mm (0.0866 in.)
	Mark D	2.30 mm (0.0906 in.)
	Mark F	2.40 mm (0.0945 in.)
Idler low gear thrust clearance	STD	0.09–0.25 mm (0.0035–0.0098 in.)
	Max	0.25 mm (0.0098 in.)
Idler low gear radial clearance	STD	0.019–0.068 mm (0.0008–0.0027 in.)
	Max	0.068 mm (0.0027 in.)

High speed output gear thrust clearance	STD Max	0.28–0.43 mm (0.0110–0.0169 in.) 0.43 mm (0.0169 in.)
High speed output gear radial clearance	STD Max	0.019–0.068 mm (0.0008–0.0027 in.) 0.068 mm (0.0027 in.)
Center differential backlash	Min	0.05 mm (0.0020 in.)
Center differential side gear thrust washer thickness		1.70 mm (0.0669 in.) 1.85 mm (0.0728 in.) 2.00 mm (0.0787 in.) 2.15 mm (0.0846 in.) 2.30 mm (0.0906 in.) 2.45 mm (0.0965 in.) 2.60 mm (0.1024 in.) 2.75 mm (0.1083 in.) 2.90 mm (0.1142 in.) 3.05 mm (0.1201 in.)
Front drive gear piece snap ring thickness	Mark A Mark B Mark C Mark D Mark E Mark F Mark G Mark H Mark J Mark K Mark L	2.00 mm (0.0787 in.) 2.10 mm (0.0827 in.) 2.20 mm (0.0866 in.) 2.30 mm (0.0906 in.) 2.40 mm (0.0945 in.) 2.50 mm (0.0984 in.) 2.60 mm (0.1024 in.) 2.70 mm (0.1063 in.) 2.80 mm (0.1102 in.) 1.80 mm (0.0709 in.) 1.90 mm (0.0748 in.)
Front extension housing ball bearing snap ring thickness	Mark A Mark B	1.7 mm (0.0669 in.) 1.8 mm (0.0709 in.)
Front output shaft hub snap ring thickness	Mark A Mark B Mark C Mark D Mark E	1.8 mm (0.0709 in.) 1.9 mm (0.0748 in.) 2.0 mm (0.0787 in.) 2.1 mm (0.0827 in.) 2.2 mm (0.0866 in.)
Oil pump driven rotor body clearance	STD Max	0.08–0.17 mm (0.0031–0.0067 in.) 0.17 mm (0.0067 in.)
Oil pump driven rotor body tip clearance	STD Max	0.05–0.15 mm (0.0020–0.0059 in.) 0.15 mm (0.0059 in.)
Oil pump side clearance	STD Max	0.03–0.10 mm (0.0012–0.0039 in.) 0.10 mm (0.0039 in.)
Rear extension housing ball bearing snap ring thickness	Mark A Mark B	1.7 mm (0.0669 in.) 1.8 mm (0.0709 in.)

Rear output shaft ball bearing snap ring thickness	Mark 1	1.95 mm (0.0768 in.)
	Mark 2	2.05 mm (0.0807 in.)
	Mark 3	2.15 mm (0.0847 in.)
	Mark 4	2.25 mm (0.0886 in.)
Motor actuator		
2–3	STD resistance	0.3–100 Ω
2 or 3–body ground	STD resistance	More than 0.5 M Ω

TORQUE SPECIFICATIONS

Part tightened	N·m	kgf·cm	ft·lbf
Oil pump plate and separator x Rear extension housing	4.9	50	43 in·lbf
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
Oil receiver x Front case	12	120	9
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	37	380	27
L4 position switch	37	380	27
Neutral position switch	37	380	27
Screw plug	19	190	14
Motor actuator x Front case	18	185	13
Differential front case x Differential rear case (Temporarily tighten)	98 88	1,000 900	72 65
Front case x Rear case	37	380	27
Rear case x Retainer	39	400	28
Dynamic damper x Rear extension housing	37	380	27