

# TRANSFER (Full-Time 4WD Type)

SS00M-02

## 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	2.90 mm (0.1141 in.)
	Mark B	2.95 mm (0.1161 in.)
	Mark C	3.00 mm (0.1181 in.)
	Mark D	3.05 mm (0.1201 in.)
	Mark E	3.10 mm (0.1220 in.)
	Mark F	3.15 mm (0.1240 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 E	2.40 mm (0.0945 in.)
Idler low gear thrust clearance	STD	0.125 – 0.275 mm (0.0049 – 0.0108 in.)
	Max.	0.275 mm (0.0108 in.)
Idler low gear radial clearance	STD	0.015 – 0.068 mm (0.0006 – 0.0027 in.)
	Max.	0.068 mm (0.0027 in.)
High speed output gear thrust clearance	STD	0.10 – 0.25 mm (0.0039 – 0.0098 in.)
	Max.	0.25 mm (0.0098 in.)
High speed output gear radial clearance	STD	0.035 – 0.091 mm (0.0014 – 0.0036 in.)
	Max.	0.091 mm (0.0036 in.)
Center differential backlash	Max.	0.05 mm (0.0020 in.)
Idler gear diameter	STD	38.48 – 38.50 mm (1.5149 – 1.5157 in.)
	Max.	38.50 mm (1.5157 in.)
Idler low gear diameter	STD	45.52 – 45.54 mm (1.7922 – 1.7930 in.)
	Max.	45.54 mm (1.7930 in.)

## SERVICE SPECIFICATIONS – TRANSFER (Full-Time 4WD Type)

Shift fork No.2 and clutch sleeve clearance	STD Max.	0.1 – 0.4 mm (0.0039 – 0.0157 in.) 0.4 mm (0.0157 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	1.70 mm (0.0669 in.) 1.80 mm (0.0709 in.)
Front output shaft hub snap ring thickness	Mark A Mark B Mark C Mark D Mark E	1.80 mm (0.0709 in.) 1.90 mm (0.0748 in.) 2.00 mm (0.0787 in.) 2.10 mm (0.0827 in.) 2.20 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	1.70 mm (0.0669 in.) 1.80 mm (0.0709 in.)
Rear output shaft ball bearing snap ring thickness	Mark 1 Mark 2 Mark 3 Mark 4	1.95 mm (0.0768 in.) 2.05 mm (0.0807 in.) 2.15 mm (0.0847 in.) 2.25 mm (0.0886 in.)
Motor actuator 1 – 5	STD resistance	0.3 – 100 Ω
1 or 5 – body ground	STD resistance	More than 0.5 MΩ
Breather hose (from the hose end to the clip end)		5 mm (0.20 in.) or more