

MANUAL TRANSAXLE

SERVICE DATA

SSOKT-01

Input shaft roller bearing journal diameter	Min.	24.970 mm (0.9831 in.)
Input shaft 3rd gear journal diameter	Min.	30.970 mm (1.2193 in.)
Input shaft 4th gear journal diameter	Min.	28.970 mm (1.1405 in.)
Input shaft 5th gear journal diameter	Min.	24.870 mm (0.9791 in.)
Input shaft runout	Max.	0.05 mm (0.0020 in.)
Output shaft roller bearing journal diameter	Min.	32.970 mm (1.2980 in.)
Output shaft 1st gear journal diameter	Min.	37.970 mm (1.4949 in.)
Output shaft 2nd gear journal diameter	Min.	31.970 mm (1.2587 in.)
Output shaft runout	Max.	0.05 mm (0.0020 in.)
Gear thrust clearance 1st	STD	0.10 – 0.40 mm (0.0039 – 0.0157 in.)
	Max.	0.45 mm (0.0177 in.)
Gear thrust clearance 2nd	STD	0.10 – 0.45 mm (0.0039 – 0.0177 in.)
	Max.	0.50 mm (0.0197 in.)
Gear thrust clearance 3rd	STD	0.10 – 0.35 mm (0.0039 – 0.0138 in.)
	Max.	0.40 mm (0.0157 in.)
Gear thrust clearance 4th	STD	0.10 – 0.55 mm (0.0039 – 0.0217 in.)
	Max.	0.60 mm (0.0236 in.)
Gear thrust clearance 5th	STD	0.10 – 0.57 mm (0.0039 – 0.0224 in.)
	Max.	0.65 mm (0.0256 in.)
1st, 2nd, 3rd, 4th and 5th gear radial clearance	STD	0.015 – 0.058 mm (0.0006 – 0.0023 in.)
	Max.	0.070 mm (0.0028 in.)
Shift fork to hub sleeve clearance	Max.	1.0 mm (0.039 in.)
Synchronizer ring to gear clearance	Min.	0.6 mm (0.024 in.)
Drive in depth		
Input shaft front oil seal		15.8 ± 0.2 mm (0.622 ± 0.008 in.)
Speedometer driven gear oil seal		25 mm (0.98 in.)
Control shaft cover oil seal		1.0 – 2.0 mm (0.039 – 0.079 in.)
Select inner lever slotted spring pin		0 ± 0.5 mm (0 ± 0.020 in.)
No. 1 shift inner lever slotted spring pin		0 ± 0.5 mm (0 ± 0.020 in.)
No. 2 shift inner lever slotted spring pin		0 ± 0.5 mm (0 ± 0.020 in.)
Transmission case oil seal		2.4 ± 0.3 mm (0.094 ± 0.012 in.)
Transaxle case oil seal		1.9 ± 0.3 mm (0.075 ± 0.012 in.)
Differential side gear backlash		0.05 – 0.20 mm (0.0020–0.0079 in.)
Differential side gear thrust washer thickness		1.50 mm (0.0591 in.)
		1.55 mm (0.0610 in.)
		1.60 mm (0.0630 in.)
		1.65 mm (0.0650 in.)
		1.70 mm (0.0669 in.)
		1.75 mm (0.0689 in.)
Differential side bearing preload (at starting) (For use with SST)		
	New bearing	0.8 – 1.6 N·m (8 – 16 kgf·cm, 6.9 – 13.9 in.-lbf)
	Reused bearing	0.5 – 1.0 N·m (5 – 10 kgf·cm, 4.3 – 8.7 in.-lbf)

SERVICE SPECIFICATIONS – MANUAL TRANSAXLE

Input shaft snap ring thickness No.2 clutch hub	Mark 0	2.30 mm (0.0906 in.)
	Mark 1	2.36 mm (0.0929 in.)
	Mark 2	2.42 mm (0.0953 in.)
	Mark 3	2.48 mm (0.0976 in.)
	Mark 4	2.54 mm (0.1000 in.)
	Mark 5	2.60 mm (0.1024 in.)
	No.3 clutch hub	
	Mark A	2.25 mm (0.0886 in.)
	Mark B	2.31 mm (0.0909 in.)
	Mark C	2.37 mm (0.0933 in.)
	Mark D	2.43 mm (0.0957 in.)
	Mark E	2.49 mm (0.0980 in.)
	Mark F	2.55 mm (0.1004 in.)
	Input shaft rear bearing	
	Mark G	2.61 mm (0.1028 in.)
	Mark A	2.29 mm (0.0902 in.)
	Mark B	2.35 mm (0.0925 in.)
	Mark C	2.41 mm (0.0949 in.)
	Mark D	2.47 mm (0.0972 in.)
	Mark E	2.53 mm (0.0996 in.)
	Mark F	2.59 mm (0.1020 in.)
Output shaft snap ring thickness No.1 clutch hub	Mark A	2.50 mm (0.0984 in.)
	Mark B	2.56 mm (0.1008 in.)
	Mark C	2.62 mm (0.1031 in.)
	Mark D	2.68 mm (0.1055 in.)
	Mark E	2.74 mm (0.1079 in.)
	Mark F	2.80 mm (0.1102 in.)
Differential side bearing adjusting shim thickness	Mark A	2.10 mm (0.0827 in.)
	Mark B	2.15 mm (0.0846 in.)
	Mark C	2.20 mm (0.0866 in.)
	Mark D	2.25 mm (0.0886 in.)
	Mark E	2.30 mm (0.0906 in.)
	Mark F	2.35 mm (0.0925 in.)
	Mark G	2.40 mm (0.0945 in.)
	Mark H	2.45 mm (0.0965 in.)
	Mark J	2.50 mm (0.0984 in.)
	Mark K	2.55 mm (0.1004 in.)
	Mark L	2.60 mm (0.1024 in.)
	Mark M	2.65 mm (0.1043 in.)
	Mark N	2.70 mm (0.1063 in.)
	Mark P	2.75 mm (0.1083 in.)
	Mark Q	2.80 mm (0.1102 in.)
	Mark R	2.85 mm (0.1122 in.)
	Mark S	2.90 mm (0.1142 in.)
	Mark T	2.95 mm (0.1161 in.)
	Mark U	3.00 mm (0.1181 in.)