

MANUAL TRANSAXLE

SERVICE DATA

SS0KT-04

Input shaft roller bearing journal diameter	Min.	24.967 mm (0.9830 in.)
Input shaft 3rd gear journal diameter	Min.	30.985 mm (1.2199 in.)
Input shaft 4th gear journal diameter	Min.	28.985 mm (1.1411 in.)
Input shaft 5th gear journal diameter	Min.	24.885 mm (0.9797 in.)
Input shaft runout	Max.	0.03 mm (0.0012 in.)
Output shaft roller bearing journal diameter	Min.	32.985 mm (1.2986 in.)
Output shaft 1st gear journal diameter	Min.	37.985 mm (1.4955 in.)
Output shaft 2nd gear journal diameter	Min.	31.985 mm (1.2592 in.)
Output shaft runout	Max.	0.03 mm (0.0012 in.)
Gear thrust clearance 1st	STD	0.10 - 0.40 mm (0.0039 - 0.0157 in.)
	Max.	0.40 mm (0.0157 in.)
Gear thrust clearance 2nd	STD	0.10 - 0.55 mm (0.0039 - 0.0217 in.)
	Max.	0.55 mm (0.0217 in.)
Gear thrust clearance 3rd	STD	0.10 - 0.35 mm (0.0039 - 0.0138 in.)
	Max.	0.35 mm (0.0138 in.)
Gear thrust clearance 4th	STD	0.10 - 0.55 mm (0.0039 - 0.0217 in.)
	Max.	0.55 mm (0.0217 in.)
Gear thrust clearance 5th	STD	0.10 - 0.57 mm (0.0039 - 0.0224 in.)
	Max.	0.57 mm (0.0224 in.)
1st, 2nd, 3rd, 4th and 5th gear radial clearance (KOYO made)	STD	0.015 - 0.058 mm (0.0006 - 0.0023 in.)
	Max.	0.058 mm (0.0023 in.)
1st, 2nd, 3rd, 4th and 5th gear radial clearance (NSK made)	STD	0.015 - 0.056 mm (0.0006 - 0.0022 in.)
	Max.	0.056 mm (0.0022 in.)
No. 3 shift fork to No. 3 hub sleeve clearance	Max.	0.5 mm (0.020 in.)
No. 2 shift fork to No. 2 hub sleeve clearance	Max.	0.35 mm (0.014 in.)
No. 1 shift fork to reverse gear clearance	Max.	0.35 mm (0.014 in.)
Synchronizer ring to gear clearance	Min.	0.75 mm (0.0295 in.)
Drive in depth		
Input shaft front oil seal		15.8 ± 0.2 mm (0.622 ± 0.008 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)

<p>Input shaft snap ring thickness</p> <p>No. 2 clutch hub</p> <p>No. 3 clutch hub</p> <p>Input shaft rear bearing</p>	<p>Mark 0</p> <p>Mark 1</p> <p>Mark 2</p> <p>Mark 3</p> <p>Mark 4</p> <p>Mark 5</p> <p>Mark A</p> <p>Mark B</p> <p>Mark C</p> <p>Mark D</p> <p>Mark E</p> <p>Mark F</p> <p>Mark G</p> <p>Mark A</p> <p>Mark B</p> <p>Mark C</p> <p>Mark D</p> <p>Mark E</p> <p>Mark F</p>	<p>2.30 mm (0.0906 in.)</p> <p>2.36 mm (0.0929 in.)</p> <p>2.42 mm (0.0953 in.)</p> <p>2.48 mm (0.0976 in.)</p> <p>2.54 mm (0.1000 in.)</p> <p>2.60 mm (0.1024 in.)</p> <p>2.25 mm (0.0886 in.)</p> <p>2.31 mm (0.0909 in.)</p> <p>2.37 mm (0.0933 in.)</p> <p>2.43 mm (0.0957 in.)</p> <p>2.49 mm (0.0980 in.)</p> <p>2.55 mm (0.1004 in.)</p> <p>2.61 mm (0.1028 in.)</p> <p>2.29 mm (0.0902 in.)</p> <p>2.35 mm (0.0925 in.)</p> <p>2.41 mm (0.0949 in.)</p> <p>2.47 mm (0.0972 in.)</p> <p>2.53 mm (0.0996 in.)</p> <p>2.59 mm (0.1020 in.)</p>
<p>Output shaft snap ring thickness</p> <p>No. 1 clutch hub</p>	<p>Mark A</p> <p>Mark B</p> <p>Mark C</p> <p>Mark D</p> <p>Mark E</p> <p>Mark F</p>	<p>2.50 mm (0.0984 in.)</p> <p>2.56 mm (0.1008 in.)</p> <p>2.62 mm (0.1031 in.)</p> <p>2.68 mm (0.1055 in.)</p> <p>2.74 mm (0.1079 in.)</p> <p>2.80 mm (0.1102 in.)</p>
<p>Differential side bearing adjusting shim thickness</p>	<p>Mark AA</p> <p>Mark BB</p> <p>Mark CC</p> <p>Mark DD</p> <p>Mark EE</p> <p>Mark FF</p> <p>Mark GG</p> <p>Mark HH</p> <p>Mark JJ</p> <p>Mark KK</p> <p>Mark LL</p> <p>Mark MM</p> <p>Mark NN</p> <p>Mark PP</p> <p>Mark QQ</p> <p>Mark RR</p> <p>Mark SS</p> <p>Mark TT</p> <p>Mark UU</p>	<p>2.10 mm (0.0827 in.)</p> <p>2.15 mm (0.0846 in.)</p> <p>2.20 mm (0.0866 in.)</p> <p>2.25 mm (0.0886 in.)</p> <p>2.30 mm (0.0906 in.)</p> <p>2.35 mm (0.0925 in.)</p> <p>2.40 mm (0.0945 in.)</p> <p>2.45 mm (0.0965 in.)</p> <p>2.50 mm (0.0984 in.)</p> <p>2.55 mm (0.1004 in.)</p> <p>2.60 mm (0.1024 in.)</p> <p>2.65 mm (0.1043 in.)</p> <p>2.70 mm (0.1063 in.)</p> <p>2.75 mm (0.1083 in.)</p> <p>2.80 mm (0.1102 in.)</p> <p>2.85 mm (0.1122 in.)</p> <p>2.90 mm (0.1142 in.)</p> <p>2.95 mm (0.1161 in.)</p> <p>3.00 mm (0.1181 in.)</p>