MANUAL TRANSMISSION (H150F, H151F)

SS0RH–03

SERVICE DATA

Output shaft 1st gear journal diameter	Min.	49.979 mm (1.9677 in.)
Output shaft 2nd gear journal diameter	Min.	57.984 mm (2.2828 in.)
Output shaft 3rd gear journal diameter	Min.	37.979 mm (1.4952 in.)
Output shaft 5th gear journal diameter	Min.	45.984 mm (1.8104 in.)
Output shaft flange thickness	Min.	4.725 mm (0.1860 in.)
Output shaft runout	Max.	0.05 mm (0.0020 in.)
Gear thrust clearance 1st and 3rd	STD	0.10 – 0.45 mm (0.0039 – 0.0177 in.)
	Max.	0.45 mm (0.0177 in.)
Gear thrust clearance 2nd and 5th	STD	0.10 – 0.35 mm (0.0039 – 0.0138 in.)
	Max.	0.35 mm (0.0138 in.)
Gear radial clearance 1st and 3rd	STD	0.020 – 0.073 mm (0.0008 – 0.0029 in.)
	Max.	0.073 mm (0.0029 in.)
Gear radial clearance 2nd and 5th	STD	0.015 – 0.068 mm (0.0006 – 0.0027 in.)
	Max.	0.068 mm (0.0027 in.)
Shift fork to hub sleeve clearance	Max.	0.35 mm (0.0138 in.)
Synchronizer ring to gear clearance		
	1st gear Min.	1.25 mm (0.0492 in.)
	2nd gear Min.	1.23 mm (0.0484 in.)
	3rd gear Min.	1.15 mm (0.0453 in.)
	5th gear Min.	0.8 mm (0.0315 in.)
Output shaft snap ring thickness		
Ball bearing	Mark A	2.40 – 2.45 mm (0.0945 – 0.0965 in.)
	Mark B	2.45 – 2.50 mm (0.0965 – 0.0984 in.)
	Mark C	2.50 – 2.55 mm (0.0984 – 0.1004 in.)
	Mark D	2.55 – 2.60 mm (0.1004 – 0.1024 in.)
	Mark E	2.60 – 2.65 mm (0.1024 – 0.1044 in.)
	Mark F	2.65 – 2.70 mm (0.1044 – 0.1063 in.)
	Mark G	2.70 – 2.75 mm (0.1063 – 0.1083 in.)
	Mark H	2.75 – 2.80 mm (0.1083 – 0.1102 in.)
Output shaft snap ring thickness		
Clutch hub No. 1	Mark A	2.90 – 2.95 mm (0.1142 – 0.1161 in.)
	Mark B	2.95 – 3.00 mm (0.1161 – 0.1181 in.)
	Mark C	3.00 – 3.05 mm (0.1181 – 0.1201 in.)
	Mark D	3.05 – 3.10 mm (0.1201 – 0.1220 in.)
	Mark E	3.10 – 3.15 mm (0.1220 – 0.1240 in.)
	Mark F	3.15 – 3.20 mm (0.1240 – 0.1260 in.)
Output shaft snap ring thickness		
Clutch hub No. 2	Mark 4	1.90 – 1.95 mm (0.0748 – 0.0768 in.)
	Mark 5	1.95 – 2.00 mm (0.0768 – 0.0787 in.)
	Mark 6	2.00 – 2.05 mm (0.0787 – 0.0807 in.)
	Mark 7	2.05 – 2.10 mm (0.0807 – 0.0827 in.)
	Mark 8	2.10 – 2.15 mm (0.0827 – 0.0847 in.)
	Mark 9	2.15 – 2.20 mm (0.0847 – 0.0866 in.)
Output shaft snap ring thickness		
Clutch hub No. 3	Mark A	2.40 – 2.45 mm (0.0945 – 0.0965 in.)
	Mark B	2.45 – 2.50 mm (0.0965 – 0.0984 in.)
	Mark C	2.50 – 2.55 mm (0.0984 – 0.1004 in.)
	Mark D	2.55 – 2.60 mm (0.1004 – 0.1024 in.)
	Mark E	2.60 – 2.65 mm (0.1024 – 0.1044 in.)
	Mark F	2.65 – 2.70 mm (0.1044 – 0.1063 in.)