MANUAL TRANSMISSION (H41 and H55F)

Specifications

Gear thrust clearance			
1st & 2nd gear	STD	0.175 – 0.325 mm	0.0069 – 0.0128 in.
	Limit	0.35 mm	0.0138 in.
3rd gear	STD	0.125 – 0.275 mm	0.0049 – 0.0108 in.
	Limit	0.30 mm	0.0118 in.
Counter 5th	STD	0.10 – 0.30 mm	0.0039 – 0.0118 in.
	Limit	0.30 mm	0.0118 in.
Input shaft to synchronizer ring	STD	1.1 – 1.9 mm	0.0433 – 0.0748 in.
	Limit	1.0 mm	0.0394 in.
Input shaft snap ring thickness		3.20 – 3.31 mm	0.1260 – 0.1303 in.
		3.31 – 3.42 mm	0.1303 – 0.1346 in.
Gear oil clearance			
1st & 2nd gear	STD	0.020 – 0.073 mm	0.0008 – 0.0029 in.
	Limit	0.08 mm	0.0031 in.
3rd gear	STD	0.065 – 0.115 mm	0.0020 – 0.0045 in.
	Limit	0.12 mm	0.0047 in.
Output shaft			
1st & 2nd gear journal diameter	Limit	43.984 mm	1.7317 in.
Runout	Limit	0.03 mm	0.0012 in.
Bushing outer diameter	Limit	47.910 mm	1.8862 in.
Shift fork to hub sleeve clearance	Limit	0.8 mm	0.031 in.
Synchronizer ring to gear clearance	Limit	0.8 mm	0.031 in.
Synchronizer ring distance			
1st gear	Limit	32.5 mm	1.280 in.
2nd gear	Limit	38.0 mm	1.496 in.
Output shaft snap ring thickness	Mark		
	0	2.40 – 2.45 mm	0.0945 – 0.0965 in.
	1	2.45 – 2.50 mm	0.0965 – 0.0984 in.
	2	2.50 – 2.55 mm	0.0984 – 0.1004 in.
	3	2.55 – 2.60 mm	0.1004 – 0.1024 in.
	4	2.60 – 2.65 mm	0.1024 – 0.1043 in.
	5	2.65 – 2.70 mm	0.1043 – 0.1063 in.
Counter 5th gear oil clearance	STD	0.015 – 0.068 mm	0.0006 – 0.0027 in.
	Limit	0.1 mm	0.0039 in.
Counter 5th gear journal diameter	Limit	31.984 mm	1.2592 in.
Rear bearing journal diameter	Limit	39.957 mm	1.5731 in.
Transfer adaptor oil seal depth		1.0 mm	0.039 in.
Reverse idler gear oil clearance	STD	0.065 – 0.103 mm	0.0026 – 0.0041 in.
	Limit	0.11 mm	0.0043 in.
Shift arm and reverse idler gear clearance	STD	0.1 – 0.3 mm	0.0039 – 0.0118 in.
	Limit	0.35 mm	0.0138 in.
Counter gear front snap ring thickness	Mark		
	0	2.05 – 2.10 mm	0.0807 – 0.0827 in.
	2	2.15 – 2.20 mm	0.0846 – 0.0866 in.
	4	2.25 – 2.30 mm	0.0886 – 0.0906 in.

Torque Specifications

Part tightened	kg-cm	ft-lb	N·m
Case cover × Transmission case	400	29	39
Reverse shift arm set nut	250	18	25
Front bearing retainer × Transmission case	170	12	17
Clutch housing × Transmission case	650	47	64
5th shift arm set bolt	380	27	37
Straight screw plug	250	18	25
Shift and select lever set bolt	380	27	37
Shift lever housing set bolt	380	27	37
Filler plug	600	43	59
Drain plug	600	43	59
Rear bearing retainer × Transmission case	185	13	18
Lock nut	1,160	84	114
Back-up light switch	410	30	40