

SPECIFICATIONS

General Specifications

Item	Specification
Lubricants and Sealants	
Multi-Purpose Grease XG-5	ESB-M1C93-B
Medium Strength Threadlocker TA-25	WSK-M2G351-A5 (Type II)
Clear Silicone Rubber TA-32	ESB-M4G92-A
Thread Sealant with PTFE TA-24	WSK-M2G350-A2
MERCON® Multi-Purpose ATF Transmission Fluid XT-2-QDX	MERCON®
Synchronizer	
Synchronizer blocking ring to conical face runout	0.5 mm (0.02 in)
End Play	
Countershaft cluster gear end play	0.013 mm (0.0005 in) - 0.102 mm (0.0040 in)
Output shaft end play	0.03 mm (0.0010 in) - 0.230 mm (0.0090 in)

Torque Specifications

Description	Nm	lb-ft	lb-in
Output shaft speed (OSS) sensor bolt	10	—	89
Countershaft rear bearing retainer bolt	21	15	—
Shift lever reverse pin	40	30	—
Reversing lamp switch	37	27	—

Torque Specifications (Continued)

Description	Nm	lb-ft	lb-in
Case cover bolt	12	9	—
Extension housing bolt	54	40	—
Input shaft bearing retainer bolt	21	15	—
Drain plug	18	13	—
Fill plug	18	13	—
Transmission bolts	45	33	—
Crossmember bolts (4 required)	62	46	—
Driveshaft bolts (4 required)	103	76	—
Starter bolts (2 required)	25	18	—
Exhaust manifold nuts (4 required)	40	30	—
Transmission mount nut	115	85	—
Clutch housing bolts	63	46	—
Clutch slave cylinder bolts	9	—	80
Crossmember transmission bolt	70	52	—
Transmission shift linkage bolt	40	30	—
Output flange nut	142	105	—
Overcenter spring bolt	35	26	—
Extension cover bolt	19	14	—
Clutch housing cover bolt	30	22	—
Gearshift underbody nuts (2 required)	11	8	—