

**Material**

Item	Specification	Fill Capacity
MERCON® V Automatic Transmission Fluid XT-5-QM (or XT-5-QMC) (US); CXT-5-LM12 (Canada)	MERCON® V	3.46L (3.65 qt)
Premium Long-Life Grease XG-1-C or XG-1-K (US); CXG-1-C (Canada)	ESA-M1C75-B	—
Silicone Gasket and Sealant TA-30	WSE-M4G323-A4	—
Threadlock and Sealer TA-25	WSK-M2G351-A5	—

**General Specifications**

Item	Specification
<b>Preload</b>	
Countershaft cluster gear end play	0.0127 mm (0.0005 in) - 0.0889 mm (0.0035 in)
Input/output shaft end play	0.0127 mm (0.0005 in) - 0.0889 mm (0.0035 in)

**Torque Specifications**

Description	Nm	lb-ft	lb-in
Clutch slave cylinder bolts	12	—	106
Drain plug	27	20	—
Extension housing bolts	48	35	—
Fill plug	25	18	—
Gearshift lever bolt	40	30	—
Gearshift lever shield bolts	20	—	177
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Guide plate bolts	22	16	—
Output shaft flange nut <sup>a</sup>	—	—	—
Output Shaft Speed (OSS) sensor bolt	10	—	89
Reverse idler shaft bracket bolts	30	22	—
Reverse lockout solenoid bolt	18	—	159
Reversing lamp switch	27	20	—
Shift detent	40	30	—
Shift detent cover bolts	20	—	177
Shift lever guide bolts	27	20	—
Subframe cross brace bolts	48	35	—
Transmission crossmember bolts	63	46	—

Transmission main case-to-clutch housing bolts <sup>a</sup>	—	—	—
Transmission rear support insulator nuts	70	52	—
Transmission-to-engine bolts	45	33	—
Upper gearshift lever bolts	35	26	—

<sup>a</sup> Refer to the procedure in this section.

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