

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Fastener Tightening Specifications

Application	Specification	
	Metric	English
Drain Plugs	38 N.m	28 lb ft
Front Transmission Mount Bolts	50 N.m	37 lb ft
Front Transmission Mount Through Bolt	100 N.m	74 lb ft
Heat Shield to Engine Block Bolt	30 N.m	22 lb ft
Heat Shield to Transmission Mount Bolt	10 N.m	89 lb in
Intermediate Shaft Bolt	100 N.m	74 lb ft
Rear Cover Bolts	25 N.m	18 lb ft
Rear Transmission Mount Bracket to Transmission Bolts	60 N.m	44 lb ft
Rear Transmission Mount Through Bolt	100 N.m	74 lb ft
Rear Transmission Mount to Frame Bolts	60 N.m	44 lb ft
Reverse Lockout Bolt	6 N.m	53 lb in
Reverse Switch	18 N.m	13 lb ft
Ring Gear	90 N.m	66 lb ft
Side Transmission Mount Bolts	45 N.m	33 lb ft
Side Transmission Mount to Mid-Rail Bolts	34 N.m	25 lb ft
Shaft Bolts	100 N.m	74 lb ft
Shift Cable Attachment Nut	10 N.m	89 lb in
Shift Control Nuts	25 N.m	18 lb ft
Shifter Guide Bolt	25 N.m	18 lb ft
Shifter Retaining Bolts	25 N.m	18 lb ft
Speed Sensor	12 N.m	106 lb in
Transmission Housing Bolts	27 N.m	20 lb ft
UBEC Bracket Bolts	25 N.m	18 lb ft
UBEC Bracket Nuts	10 N.m	89 lb in
UBEC Positive Post	10 N.m	89 lb in

SEALERS, ADHESIVES, AND LUBRICANTS

Sealers, Adhesives, and Lubricants

Application	Type of Material	Part Number
Case Halves	Sealant	12378516
Differential Ring Gear Bolt	Threadlocker	21005994
Drain Plugs	Sealant	21485278
Input Shaft Bolt	Threadlocker	21005994
Intermediate Shaft Bolt	Threadlocker	21005994
Output Shaft Bolt	Threadlocker	21005994
Rear Cover	Sealant	21019581
Reverse Lockout Lever Bolt	Threadlocker	21485277

Backup Lamp Switch	Sealant	21019581
Shifter Cover	Sealant	12378516
Shifter Guide Bolt	Sealant	21485278
Transmission Fluid	DEXRON® III	21019223
Vehicle Speed Sensor Bolt	Threadlocker	21485277

LUBRICATION SPECIFICATIONS

Lubrication Specifications

Application	Specification	
	Metric	English
DEXRON®III	1.7 liters	1.8 quarts

SHIM SIZE SPECIFICATIONS

Shim Size Specifications

Shim Thickness	
Metric	English
0.5 mm	0.0197 in
0.55 mm	0.0217 in
0.6 mm	0.0236 in
0.65 mm	0.0256 in
0.7 mm	0.0276 in
0.75 mm	0.0295 in
0.8 mm	0.0315 in
0.85 mm	0.0335 in
0.9 mm	0.0354 in
0.95 mm	0.0374 in
1.00 mm	0.0394 in
1.05 mm	0.0413 in
1.1 mm	0.0433 in
1.15 mm	0.0453 in
1.2 mm	0.0473 in
1.25 mm	0.0493 in
1.3 mm	0.0512 in
1.35 mm	0.0531 in