

Material

Item	Specification	Fill Capacity
Additive Friction Modifier XL-3 (US); CXL-3 (Canada)	EST-M2C118-A	—
Maximum Strength Retaining Compound Loctite® 638™	—	—
Motorcraft® High Contrast Hypoid Gear Marking Compound XG-14	—	—
Motorcraft® SAE 75W-140 Synthetic Rear Axle Lubricant XY-75W140-QL (US); CXY-75W140-1L (Canada)	WSL-M2C192-A and GL-5	1.7L (3.15 pt) to the bottom of the fill hole with the axle at ride height
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	—

General Specifications

Item	Specification
Clearance, Tolerance and Adjustments	
Differential pinion gear thrust washer thickness	0.762-0.813 mm (0.030-0.032 in)
Differential side gear thrust washer thickness	0.762-0.813 mm (0.030-0.032 in)
Maximum axle shaft end play	0.762 mm (0.030 in)
Maximum differential case runout	0.076 mm (0.003 in)
Pinion bearing preload	1.8-3.3 Nm (16-29 lb-in)
Pinion flange runout	0.25 mm (0.010 in) T.I.R.
Ring gear backlash	0.203-0.304 mm (0.008-0.012 in)
Variation between teeth maximum backlash	0.102 mm (0.004 in)

Torque Specifications

Description	Nm	lb-ft	lb-in

Differential bearing cap bolts	105	77	—
Differential housing cover bolts	46	33	—
Differential pinion shaft lock bolt	30	22	—
Differential ring gear bolts	135	100	—
Filler plug	30	22	—
Handle adapter for 205-S127	2.2	—	20
Lower arm bolt	175	129	—
Shock absorber lower bolts	115	85	—
Tool 205-022 nut	27	20	—
Upper arm bushing nut	175	129	—
Wheel speed sensor bolt	15	—	133
