

## SPECIFICATIONS

### General Specifications

Item	Specification
<b>Lubricants and Sealers</b>	
SAE 75W-140 High Performance Rear Axle Lubricant XY-75W140-QL (vehicles with the trailer towing option or 4:10 ratio)	WSL-M2C192-A
Additive Friction Modifier XL-3	EST-M2C118-A
Premium Long-Life Grease XG-1-C or XG-1-K (Canada CXG-1-C)	ESA-M1C75-B
High Temperature Nickel Anti-Seize Lubricant XL-2	ESE-M12A4-A
Silicone Gasket and Sealant TA-30	WSE-M4G323-A4
Threadlock and Sealer TA-25	WSK-M2G351-A5
Stud and Bearing Mount TA-27	WSK-M2G349-A1
<b>Lubricant Capacities</b>	
Additive Friction Modifier XL-3	118 ml (4 oz)
Approximate axle fill capacity <sup>a</sup>	1.7 liters (3.15 pints) 25.4-28.6 mm (1.0-1.125 in) below the bottom of the fill hole with the axle at ride height
<b>Clearance, Tolerance and Adjustments</b>	
Maximum differential case runout	0.076 mm (0.003 in)
Differential side gear thrust washer thickness	0.762-0.813 mm (0.030-0.032 in)
Differential pinion 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)
Pinion bearing preload	1.8-3.3 Nm (16-29 lb-in)
Ring gear backlash	0.203-0.304 mm (0.008-0.012 in)
Variation between teeth maximum backlash	0.102 mm (0.004 in)

### General Specifications (Continued)

Item	Specification
Available drive pinion bearing adjustment shim in steps of 0.25 mm (0.010 in)	0.254 mm (0.010 in) - 0.965 mm (0.038 in)
Pinion flange runout	0.25 mm (0.010 in) T.I.R.

- a In-vehicle repair refill capacities are determined by filling the rear axle with the specified lubricant to 25.4-28.6 mm (1.0-1.125 in) below the bottom of the fill hole with the axle at ride height.

### Rear Axle Backlash Shim Adjustment Table

Backlash Change Required		Thickness Change Required	
mm	Inch	mm	Inch
0.025	0.001	0.050	0.002
0.050	0.002	0.050	0.002
0.076	0.003	0.101	0.004
0.101	0.004	0.152	0.006
0.127	0.005	0.152	0.006
0.152	0.006	0.203	0.008
0.177	0.007	0.254	0.010
0.203	0.008	0.254	0.010
0.228	0.009	0.304	0.012
0.254	0.010	0.355	0.014
0.279	0.011	0.355	0.014
0.304	0.012	0.406	0.016
0.330	0.013	0.457	0.018
0.335	0.014	0.457	0.018
0.381	0.015	0.508	0.020

### Torque Specifications

Description	Nm	lb-ft	lb-in
Differential pinion shaft lock bolt	30	22	—
Disc brake caliper bolts	33	24	—
Disc brake caliper anchor bolts	103	76	—
Driveshaft flange bolts	103	76	—
Differential housing cover bolts	45	33	—
Stabilizer bar bracket-to-frame bolts	70	52	—

**SPECIFICATIONS (Continued)****Torque Specifications (Continued)**

Description	Nm	lb-ft	lb-in
Filler plug	30	22	—
Handle adapter for 205-S127	2.2	—	20
Tool 205-135 nut	6.7	—	60
Differential bearing cap bolts	105	77	—
Differential ring gear bolts	105	77	—
Anti-lock sensor bolt	7	—	62
Lower shock absorber nuts	115	85	—

**Torque Specifications (Continued)**

Description	Nm	lb-ft	lb-in
Trackbar flag nuts	175	129	—
Upper suspension arm nut	175	129	—
Trailing arm nut	175	129	—
Rear support brace bolts (convertible)	63	46	—
Upper support brace bolts (convertible)	63	46	—
Front support brace bolts (convertible)	63	46	—