

## SPECIFICATIONS

Procedure revision date: 09/14/2018

## Specifications

## Material

Item	Specification	Fill Capacity
Motorcraft® Additive Friction Modifier XL-3 (US); CXL-3 (Canada)	EST-M2C118-A	4 oz (Traction-Lok® only). 6 oz (If equipped with rear differential oil cooler).
Maximum Strength Retaining Compound Loctite® 638™	—	—
Motorcraft® SAE 75W-140 Synthetic Rear Axle Lubricant XY-75W140-QL (US); CXY-75W140-1L (Canada)	WSL-M2C192-A and GL-5	8.8-in rear axle. <sup>a</sup>
Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant XY-75W85-QL	WSS-M2C942-A	SVT 8.8-in rear axle. <sup>a b</sup>
Motorcraft® Premium Long-Life Grease XG-1-E1	ESA-M1C75-B	—
Motorcraft® Silicone Gasket and Sealant TA-30	WSE-M4G323-A4	—

<sup>a</sup>Service refill capacities are determined by filling the axle to a level of 5mm below the bottom of the filler hole. The vehicle must be on a level surface.

<sup>b</sup>Vehicles equipped with a rear differential oil cooler. Refer to the procedure.

## General Specifications

Item	Specification
<b>Clearance, Tolerance and Adjustments</b>	
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)
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	122	90	—

Description	Nm	lb-ft	lb-in
Differential housing cover bolts (steel cover)	46	34	—
Differential housing cover bolts (aluminum cover)	32	24	—
Differential housing cover cooler line fittings	23	17	—
Differential oil cooler pump	11	—	97
Differential oil temperature sensor	10	—	89
Differential pinion shaft lock bolt	35	26	—
Differential ring gear bolts	135	100	—
Filler plug	30	22	—
Handle adapter for 205-S127	2.2	—	20
Lower arm bolt	175	129	—
Rear differential cooler line bolts	10	—	89
Shock absorber lower bolts	115	85	—
Tool 205-022 nut	27	20	—
Upper arm bushing nut	175	129	—
Wheel speed sensor bolt	15	—	133