

Specifications

Materials

Name	Specification
Motorcraft® Premium Long-Life Grease XG-1-E1	ESA-M1C75-B
Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant XY-75W85-QL	WSS-M2C942-A

Capacities

Item	Type of Axle	Fill capacity	Level
<i>Material:</i> Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant / XY-75W85-QL (WSS-M2C942-A)	Conventional	3.53 qt (3.34 L)	6-14 mm (0.25-0.562 In) below the fill plug hole
<i>Material:</i> Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant / XY-75W85-QL (WSS-M2C942-A)	Electronic Locking Differential	3.37 qt (3.19 L)	6-14 mm (0.25-0.562 In) below the fill plug hole
<i>Material:</i> Motorcraft® Premium Long-Life Grease / XG-1-E1 (ESA-M1C75-B)	-	-	-

General Specifications

Item	Specification
Backlash Specifications	
Backlash between ring gear and pinion teeth	0.204-0.304 mm (0.008-0.012 in) max
Clearance Specifications	
Differential case maximum runout	0.076 mm (0.003 in)
Rotational Torque Ranges	
Pinion bearing preload	1.8-3.3 Nm (16-29 lb-in)

Rear Axle Backlash Shim Adjustment Table

Backlash Change Required		Thickness Change Required	
mm	In	mm	In
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

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