

Specifications

Materials

Name	Specification
Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant XY-75W85-QL	WSS-M2C942-A
Motorcraft® Silicone Gasket and Sealant TA-30	WSE-M4G323-A4

Capacities

Item	Liters
<i>Material:</i> Motorcraft® SAE 75W-85 Premium Synthetic Hypoid Gear Lubricant / XY-75W85-QL (WSS-M2C942-A)	1.66L (3.5 pt)
<i>Material:</i> Motorcraft® Silicone Gasket and Sealant / TA-30 (WSE-M4G323-A4)	-

General Specifications

Item	Specification
Backlash Specifications	
Ring gear backlash	0.204-0.305 mm (0.008-0.012 in)
Ring gear maximum backlash between teeth	0.101mm (0.004 in)
Clearance Specifications	
Differential case maximum runout	0.076 mm (0.003 in)

Housing spreader adapter thread engagement	12.5 mm (0.500 in)
Maximum differential housing spread	0.762 mm (0.030 in)
Lubricant Fill Level Checks	
Lubricant level	9.56 mm (0.38 in) below bottom of differential housing fill hole
Rotational Torque Ranges	
Pinion bearing torque preload	1.8-3.3 Nm (16-29 lb-in)

Front 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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