



Motorcraft Axle Lubricants - Quick Reference Lubricant Applications and Capacities Chart

Application	Axle Location	Fluid Refill (Pints) [1]		Axle Description	Friction Modifier [2]	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Crown Victoria / Grand Marquis / Town Car (All)	Rear	3.8 (02) / 4.5 (03)		8.8	XL-3 for LS	◆	◆	◆	◆	◆					
Crown Victoria Police (All)	Rear	4.5		8.8	XL-3 for LS	●	●	●	●	●					
Five Hundred / Montego	Rear	1.5(06)	2.4 [4]	Getrag (06)/M160	N/A	◆	◆								
Taurus / Sable (09)	Rear	2.4	[5]	M160	N/A			◆	◆	◆	◆	◆	◆	◆	◆
Fusion / Milan (11) / MKZ	Rear	2.4	[5]	M160	N/A		◆	◆	◆	◆	◆	◆	◆	◆	◆
MKT	Rear	2.4	[5]	M160	N/A					◆	◆	◆	◆	◆	◆
Lincoln LS (C)	Rear	2.9		8.0	N/A	●									
Lincoln LS (Sport) (C)	Rear	2.9		8.0	N/A	●									
Lincoln Limo (LS)	Rear	4.8(02) / 4.5		8.8	XL-3	●	●	●	●	●	●				
Mustang (All)	Rear	3.3		7.5	XL-3 for LS	◆	◆	◆	◆	◆					
Mustang (All) / Shelby GT500 (12)	Rear	4.0		8.8	XL-3 for LS	●	●	●	●	●	●	●	●	■	■
Shelby GT500	Rear	4.0		8.8	XL-3								■	■	■
Thunderbird (C)	Rear	2.9	2.5(03-06)	8.8	N/A	●									
Edge / MKX	Rear	2.4	[5]	M160	N/A		◆	◆	◆	◆	◆	◆	◆	◆	◆
Taurus X	Rear	2.4	[5]	M160	N/A			◆	◆	◆	◆	◆	◆	◆	◆
Flex	Rear	2.4	[5]	M160	N/A				◆	◆	◆	◆	◆	◆	◆
Explorer	Rear	2.4	[5]	M160	N/A					◆	◆	◆	◆	◆	◆
Escape / Mariner (11) (C)	Rear	2.6	[5]	M28(M174)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Explorer / Mountaineer (C) (IRS)	Rear	3.5		8.8	N/A	●	●	●	●	●					
Explorer / Mountaineer (LS, IRS)	Rear	3.3		8.8	XL-3	●	●	●	●	●					
Explorer / Sport Trac (LS)	Rear	5.3		8.8	XL-3		●	●	●	●					
Explorer / Sport Trac (C)	Rear	5.5		8.8	N/A		●	●	●	●					
Explorer Sport Trac (C)	Front	2.8	[6]	M30(M186)	N/A		◆	◆	◆	◆					
Explorer / Mountaineer (C)	Front	2.8	[6]	M30(M186)	N/A	◆	◆	◆	◆	◆					
Freestyle	Rear	1.5	[4]	159.9	N/A	◆	◆								
Ranger (C and LS, except Level II)	Rear	5.0		7.5/8.8	XL-3 for LS	◆	◆	◆	◆	◆	◆				
Ranger (4WD Off Road, High Torque, Level II)(LS)	Rear	5.3		8.8	XL-3	●	●	●	●	●	●				
Ranger (4WD)	Front	3.3	[6]	M35 (M194)	N/A	◆	◆	◆	◆	◆	◆				
Expedition / Navigator (C)	Rear	3.5		8.8/9.75	N/A	●	●	●	●	●	●	●	●	●	■
Expedition / Navigator (LS)	Rear	3.3		8.8/9.75	XL-3	●	●	●	●	●	●	●	●	●	■
F-150 / Lincoln Mark LT (08) (C, E)	Rear	5.5		8.8/9.75	N/A	●	●	●	●	●	●	●	●	●	■
F-150 Raptor (E)	Rear	6.0		9.75	N/A					●	●	●	●	●	
F-150 / Lincoln Mark LT (08) (LS)	Rear	5.3		8.8/9.75	XL-3 [8]	●	●	●	●	●	●	●	●	●	■
F-150 / Lincoln Mark LT (08) (LS)	Rear		7.0	10.25	XL-3	●	●	●	●						
F-150 / Expedition / Navigator (C)	Front	3.5	[6] [7]	8.8	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
F-150 Raptor	Front	3.25	[6]	8.8	XL-3							◆	◆	◆	

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Motorcraft Axle Lubricants - Quick Reference Lubricant Applications and Capacities Chart (cont'd.)

Application	Axle Location	Fluid Refill (Pints) [1]		Axle Description	Friction Modifier [2]	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
F-250 / 350 (C, E)	Rear	7.5 (01)	6.9	10.50	N/A	●	●	●	●	●	●	●	●	●	●
F-250 / 350 (LS)	Rear	7.5 (01)	6.5	10.50	XL-3[3]	●	●	●	●	●					
F-250 / 350 / 450 / 550 (C)	Front	5.9	[6]	M60(M248)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
F-350 / 450 (All)	Rear	8.4		M80(M286)	N/A	❖	❖	❖	❖	❖	❖	❖	❖	❖	❖
F-450 / 550 (All)	Rear	14.0		S110/S130	N/A	●	●	●	●	●	●	●	●	●	●
Transit	Rear	6.3		9.75	XL-3 for LS [8]										■
E-150 (C)	Rear	5.5		8.8/9.75	N/A	●									
E-150 (LS)	Rear	5.4	5.3(03-06)	8.8/9.75	XL-3	●									
E-150 / E-250 / 350 (C)	Rear	5.9		M60(M248)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
E-150 / E-250 / 350 (LS)	Rear	5.8		M60(M248)	XL-3 [3]	❖	❖	❖	❖	❖	❖	❖	❖	❖	❖
E-250 / 350 (All) (DSO)	Rear	5.9		M60(M248)	[3] XL-3 for LS	●	●	●	●	●	●	●	●	●	●
E-350 Chassis / RV / Cutaway (C) (DSO)	Rear	7.4		M70HD(M273HD)	N/A	●	●								
E-350 Chassis / RV / Cutaway (C)	Rear	6.6		M70FF(M267FF)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
E-350 Chassis / RV / Cutaway (LS)	Rear	6.3		M70FF(M267FF)	XL-3 [3]	❖									
E-350 Chassis / RV / Cutaway (LS)	Rear	6.6		M70FF(M267FF)	N/A		❖	❖	❖	❖	❖	❖	❖	❖	❖
E-450 Chassis / RV / Cutaway (C)	Rear	9.0		M70HD(M273HD)	N/A	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
E-450 Chassis / RV / Cutaway (LS)	Rear	7.8		M70HD(M273HD)	XL-3 [3]	❖									
E-450 Chassis / RV / Cutaway (LS)	Rear	9.0		M70HD(M273HD)	N/A		❖	❖	❖	❖	❖	❖	❖	❖	❖
F-53 Motorhome, F-59 Chassis (C)	Rear	8.0 (04)	8.4	M80(M286)	N/A	●	●	●	●		●	●	●	●	●
F-53 Motorhome, F-59 Chassis (All)	Rear	14.0		S110/S130	N/A	●	●	●	●		●	●	●	●	●
F-53 Motorhome, F-59 Chassis (All)	Rear	24.5		S135/S150	N/A	●									
F-53 Motorhome, F-59 Chassis (All)	Rear	32.0		17060S	N/A			●	●		●	●	●	●	●

- ◆ XY-80W90-QL, WSP-M2C197-A, SAE 80W-90 Premium Rear Axle Lubricant
- XY-75W140-QL, WSL-M2C192-A, SAE 75W-140 Synthetic Rear Axle Lubricant
- ❖ XY-75W90-QLS, SAE-75W-90 Synthetic Rear Axle Lubricant
- XY-75W85-QL, WSS-M2C942-A, SAE-75W-85 Synthetic Hypoid Gear Lubricant
- XL-3, EST-M2C118-A, Additive Friction Modifier

When filling a Limited Slip axle requiring Friction Modifier, always add Friction Modifier first, before filling with the lubricant.

C = Conventional Axle
 LS = Limited Slip Axle
 FF = Full Floating
 SF = Semi-Floating
 HD = Heavy Duty
 E = Electronic Locking Differential
 (XX) = The last model year used
 [X] = Notes
 M&S prefix axle descriptions = Dana Axles
 Numeric descriptions = Ford/Visteon Axles

Notes:

- [1] Oil refill volume does not include friction modifier. Do not overfill above volumes shown (friction modifier should be added first)
- [2] 4 fl oz of friction modifier added unless otherwise specified
- [3] Add 8 fl oz of friction modifier
- [4-7] For 4X4 and AWD, PTU and Transfer Case fill, check owner guide or shop manual for fill capacity
- [4] XY-75W90-QLS
- [5] XY-75W140-QL, WSL-M2C192-A, SAE 75W-140 Synthetic Rear Axle Lubricant
- [6] XL-12, ESP-M2C166-H, Transfer case fluid
- [7] XT-10-QLVC, MERCON LV (for torque on demand transfer cases only, 2012 MY and forward, Torque on demand transfer cases have a sticker that shows "MERCON LV Only" above the drain plug)
- [8] Do not add more than 4 fl oz of friction modifier