

**Motorcraft****Motorcraft® Engine Antifreeze/Coolants - Usage Chart**

Vehicle	Model Year(s)									
	Pre-1999	1999-2001	2002	2003	2004-2008	2009	2010	2011	2012	2013 and forward
Ford										
C-MAX Hybrid/Energi	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	O
Crown Victoria	G	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	N/A	N/A
Econoline (E-Series)	G	G	G (prior to 1/7/02) Y (from 1/7/02)	Y	Y	Y	Y	Y	Y	Y (2013 - 2016 and 2017 prior to 6/24/16) O (2017 (from 7/11/16) and forward)
Edge	N/A	N/A	N/A	N/A	Y	Y (prior to 1/19/09) DG (from 1/19/09)	DG	DG (prior to 7/11/11) O (from 7/11/11)	O	O
Escape (including Hybrid)	N/A	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	Y (prior to 11/16/10) O (from 11/16/10)	O	O
Escort	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	N/A	N/A	N/A	N/A	N/A	N/A
Excursion	N/A	G	Y	Y	Y	N/A	N/A	N/A	N/A	N/A
Expedition	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y (prior to 2/22/10) O (from 2/22/10)	O	O	O
Explorer, Explorer Sport, and Explorer Sport Trac	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	DG (prior to 7/11/11) O (from 7/11/11)	O	O
F-150 - F-550 (Cuautilan Plant)	G	G	G (prior to 2/4/02) Y (from 2/4/02)	Y	Y	Y	N/A	N/A	N/A	N/A
F-250 - F-550 (Kentucky Truck Plant)	G	G	Y	Y	Y	Y	Y	O	O	O
F-150 - F-550 (All other plants)	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	O	O	O
Fiesta	N/A	N/A	N/A	N/A	N/A	N/A	N/A	O	O	O
Flex	N/A	N/A	N/A	N/A	N/A	Y (prior to 1/19/09) DG (from 1/19/09)	DG	DG	DG (prior to 7/11/11) O (from 7/11/11)	O
Freestar	N/A	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A
Focus (including RS)	N/A	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	Y	O	O
Focus Electric	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	O	O
Fusion (including Hybrid and Energi)	N/A	N/A	N/A	N/A	Y	Y	Y (prior to 7/6/09) DG (from 7/6/09)	DG	DG (prior to 8/15/11) O (from 8/15/11)	O
Motorhome F-53 / F-59	G	G	Y	Y	Y	Y	Y	Y	Y	Y (2013 - 2014) O (2015 and forward)
Mustang (including Cobra, Shelby GT500, Boss 302, etc.)	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	O	O	O
Ranger	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	Y	N/A	N/A
Ranger Electric	N/A	G	G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Taurus	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y (prior to 5/18/09) DG (from 5/18/09)	DG	DG (prior to 7/11/11) O (from 7/11/11)	O	O
Thunderbird	N/A	N/A	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	N/A	N/A	N/A	N/A	N/A
Transit Connect	N/A	N/A	N/A	N/A	N/A	N/A	O	O	O	O

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Quick Reference Charts

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Vehicle	Model Year(s)									
	Pre-1999	1999-2001	2002	2003	2004-2008	2009	2010	2011	2012	2013 and forward
Ford — cont'd										
Windstar	G	G	G	G (prior to 7/15/02) Y (from 7/15/02)	N/A	N/A	N/A	N/A	N/A	N/A
All other vehicles not otherwise noted	G	G	N/A	N/A	Y	Y	N/A	N/A	N/A	O
Lincoln										
Aviator	N/A	N/A	N/A	Y	Y	N/A	N/A	N/A	N/A	N/A
Blackwood	N/A	N/A	G (prior to 7/15/02) Y (from 7/15/02)	Y	N/A	N/A	N/A	N/A	N/A	N/A
Continental	G	G	G (prior to 7/15/02) Y (from 7/15/02)	N/A	N/A	N/A	N/A	N/A	N/A	O
LS	N/A	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	N/A	N/A	N/A	N/A	N/A
MKS	N/A	N/A	N/A	N/A	N/A	Y (prior to 5/18/09) DG (from 5/18/09)	Y (prior to 5/18/09) DG (from 5/18/09)	DG (prior to 7/11/11) O (from 7/11/11)	O	O
MKT	N/A	N/A	N/A	N/A	N/A	N/A	DG	DG	DG (prior to 7/11/11) O (from 7/11/11)	O
MKX	N/A	N/A	N/A	N/A	Y	Y (prior to 1/19/09) DG (from 1/19/09)	DG	DG (prior to 7/11/11) O (from 7/11/11)	O	O
MKZ (including Hybrid)	N/A	N/A	N/A	N/A	Y	Y	Y (prior to 7/6/09) DG (from 7/6/09)	DG	DG (prior to 8/15/11) O (from 8/15/11)	O
Navigator	G	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y (prior to 2/22/10) O (from 2/22/10)	O	O	O
Town Car	G	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	N/A	N/A
All other vehicles not otherwise noted	G	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	O
Mercury										
Cougar	G	O	O	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grand Marquis	G	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	N/A	N/A
Marauder	N/A	N/A	N/A	G (prior to 7/15/02) Y (from 7/15/02)	Y	N/A	N/A	N/A	N/A	N/A
Mariner (including Hybrid)	N/A	N/A	N/A	N/A	Y	Y	Y	Y (prior to 11/16/10) O (from 11/16/10)	N/A	N/A
Milan (including Hybrid)	N/A	N/A	N/A	N/A	Y	Y	Y (prior to 7/6/09) DG (from 7/6/09)	DG	N/A	N/A
Monterey	N/A	N/A	N/A	N/A	Y	N/A	N/A	N/A	N/A	N/A
Mountaineer	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y	Y	N/A	N/A	N/A
Sable	G	G	G (prior to 7/15/02) Y (from 7/15/02)	Y	Y	Y (prior to 5/18/09) DG (from 5/18/09)	N/A	N/A	N/A	N/A
All other vehicles not otherwise noted	G	G	G	N/A	Y	N/A	N/A	N/A	N/A	N/A

Notes:

The engine antifreeze/coolant usage noted in the chart above applies to all engine types (e.g., gasoline and diesel) available for a particular vehicle.

G = Green-colored engine coolant approved to Ford specification ESE-M97B44-A (Motorcraft® Premium Antifreeze/Coolant)

O = Orange-colored engine coolant approved to Ford specification WSS-M97B44-D or WSS-M97B44-D2 (Motorcraft® Orange Antifreeze/Coolant)

Y = Yellow-colored engine coolant approved to Ford specification WSS-M97B51-A1 (Motorcraft® Gold Antifreeze/Coolant)

DG = Dark green-colored engine coolant approved to Ford specification WSS-M97B55-A (Motorcraft® Specialty Green Engine Coolant)

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**Motorcraft****Motorcraft® Engine Cooling System Products - Usage Information**

Motorcraft® Engine Coolant Name	Motorcraft® Premium Prediluted Antifreeze/Coolant (USA)	Motorcraft® Gold Prediluted Antifreeze/Coolant	Motorcraft® Specialty Green Engine Coolant (Concentrated)	Motorcraft® Orange Prediluted Antifreeze/Coolant
	Motorcraft® Premium Concentrated Antifreeze/Coolant	Motorcraft® Gold Concentrated Antifreeze/Coolant		Motorcraft® Orange Concentrated Antifreeze/Coolant
Service Part Numbers	Prediluted: VC-5DIL and VC-5DIL-B (USA)	Prediluted: VC-7DIL-B and VC-7DIL-D (USA) CVC-7DIL-B2 (Canada)	VC-10-A2 (USA) / CVC-10-A (Canada)	Prediluted: VC-3DIL-B and VC-3DIL-BD (USA) CVC-3DIL-B (Canada)
	Concentrated: VC-5 (USA) CVC-5 (Canada)	Concentrated: VC-7-B and VC-7-D (USA) CVC-7-B2 (Canada)		Concentrated: VC-3-B and VC-3-D (USA) CVC-3-B2 (Canada)
Ford Specification	ESE-M97B44-A	WSS-M97B51-A1	WSS-M97B55-A	Prediluted: WSS-M97B44-D2 Concentrated: WSS-M97B44-D
Use with the following products:				
Acustrip® 3-Way HD Antifreeze Coolant Test Kit, Rotunda part numbers 328-2050-62291 and 328-20503R	Yes, but for use <i>only</i> with diesel engine-equipped vehicles	Yes, but for use <i>only</i> with diesel engine-equipped vehicles	No	Yes, but use <i>only</i> as recommended to check coolant for nitrite contamination
Antifreeze Coolant ELC Contamination Kit, Rotunda part number 328-R071-ELC	No	No	No	Yes, but for use <i>only</i> with the following vehicles: * 2011 and forward diesel engine-equipped F-Series Super Duty * 2016 and forward diesel engine-equipped F-650 and F-750
VC-1 - Motorcraft® Premium Cooling System Flush	Yes	Yes	Yes	Yes
VC-8 - Motorcraft® Diesel Cooling System Additive	Yes, but use <i>only</i> in diesel engine-equipped vehicles. Use <i>only</i> as recommended.	Yes, but use <i>only</i> in diesel engine-equipped vehicles. Use <i>only</i> as recommended.	No	No
VC-9 - Motorcraft® Engine Cooling System Iron Cleaner (for industrial use only)	Yes, but use <i>only</i> when directed per the vehicle's Workshop Manual or a Technical Service Bulletin (TSB)	Yes, but use <i>only</i> when directed per the vehicle's Workshop Manual or a Technical Service Bulletin (TSB)	Yes, but use <i>only</i> when directed per the vehicle's Workshop Manual or a Technical Service Bulletin (TSB)	Yes, but use <i>only</i> when directed per the vehicle's Workshop Manual or a Technical Service Bulletin (TSB)
VC-12 - Motorcraft® Specialty Orange Engine Coolant Revitalizer	No	No	No	Yes, but use <i>only</i> in the following vehicles: * 2011 and forward diesel engine-equipped F-Series Super Duty * 2016 and forward diesel engine-equipped F-650 and F-750. Use <i>only</i> as recommended.

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