

ENGINE

Maintenance and Lubrication - Corvette

SPECIFICATIONS

APPROXIMATE FLUID CAPACITIES

The following approximate capacities are given in US English and metric conversions. See **Fluid and Lubricant Recommendations** for more information. All capacities are approximate. When adding, be sure to fill to the approximate level, as recommended in this manual. Recheck fluid level after filling.

Approximate Fluid Capacities

Application	Specification	
	Metric	US English
Cooling System		
• 6.2L Engine (LT1)	10.7 liters	11.3 quarts
Differential Lubricant-DEXRON® LS		
• Except Z51	2.0 liters	2.12 quarts
• Z51	2.16 liters	2.28 quarts
Engine Oil With Filter		
• Except Z51	6.6 liters	7.0 quarts
• With Z51	9.3 liters	9.8 quarts
Fuel Tank	70.3 liters	18.5 gallon
Transmission/Transaxle-6L80-E		
• Automatic-Complete Overhaul	11.8 liters	12.5 quarts
• Automatic-Pan Removal and Filter Replacement	6.2 liters	6.5 quarts
• Complete Fluid Capacity	12.5 liters	13.2 quarts
• Manual Transmission	3.5 liters	3.6 quarts

FLUID AND LUBRICANT RECOMMENDATIONS

Fluid and Lubricant Recommendations

Usage	Fluid/Lubricant
Engine Oil	Use only engine oil licensed to the dexos1 specification of the proper SAE viscosity grade. ACDelco dexos1 Synthetic Blend is recommended. For track events or competitive driving, use Mobil 1® engine oil.
Engine Coolant	40/60 coolant/water mixture of clean, drinkable water and use only DEX-COOL Coolant.

Hydraulic Brake System	DOT 3 Hydraulic Brake Fluid (GM Part No. 19299818, in Canada 19299819).
Windshield Washer	Automotive windshield washer fluid that meets regional freeze protection requirements.
Hydraulic Clutch System	Hydraulic Clutch Fluid. Use only GM Part No. 19299570, in Canada 19299571, Super DOT-4 brake fluid.
Chassis Lubrication	Chassis Lubricant (GM Part No. 12377985, in Canada 88901242) or lubricant meeting requirements of NLGI #2, Category LB or GC-LB.
Manual Transmission	Manual Transmission Fluid (GM Part No. 88861800, in Canada 88861801).
Automatic Transmission	DEXRON®-VI Automatic Transmission Fluid.
Key Lock Cylinders	Multi-Purpose Lubricant, Superlube (GM Part No. 12346241, in Canada 10953474).
Rear Axle	DEXRON® LS Gear Oil.
Electronic Limited-Slip Differential Actuator (Z51 Only)	DEXRON®-VI Automatic Transmission Fluid.
Hood Latch Assembly, Secondary Latch, Pivots, Spring Anchor and Release Pawl	Lubriplate Lubricant Aerosol (GM Part No. 89021668, in Canada 89021674) or lubricant meeting requirements of NLGI #2, Category LB or GC-LB.
Hood and Door Hinges	Multi-Purpose Lubricant, Superlube (GM Part No. 12346241, in Canada 10953474).
Weatherstrip Conditioning	Weatherstrip Lubricant (GM Part No. 3634770, in Canada 10953518) or Dielectric Silicone Grease (GM Part No. 12345579, in Canada 10953481).

MAINTENANCE ITEMS

The Normal Maintenance Replacement Parts information will only be found in the Owner's Manual. Refer to the Maintenance Schedule subsection of the Owner's Manual.

You may be able to use the Search information function using the words Replacement Parts.

MAINTENANCE

MAINTENANCE SCHEDULE

The Maintenance Schedule information will only be found in the Owner's Manual.

Refer to the Maintenance Schedule subsection of the Owner's Manual or you may be able to use the Search information function using the words Scheduled Maintenance.

GM OIL LIFE SYSTEM RESETTNG

When the system has calculated that oil life has been diminished, it will indicate that an oil change is necessary. A CHANGE ENGINE OIL SOON message will come on. Change the engine oil as soon as possible within the next 600 miles (1000 km). It is possible that, if driving under the best conditions, the oil life may not indicate that an oil change is necessary for over a year. However, the engine oil and filter must be changed at least once a year and at this time the system must be reset.

If the system is ever reset accidentally, change the engine oil at 3000 miles (5000 km) since last oil change.

Resetting Procedure

Follow this procedure to reset the GM Oil Life System [™]:

1. Turn the ignition to ON with the engine off.
2. Press the TRIP button so the OIL LIFE percentage is displayed.
3. Press the RESET and hold for two seconds. OIL LIFE REMAIN 100 percent will appear.