

2017 ENGINE

Maintenance and Lubrication - Impala

SPECIFICATIONS

APPROXIMATE FLUID CAPACITIES

Maintenance Procedure	Link
Hydraulic Brake System Capacities	Approximate Fluid Capacities
Engine Heating and Cooling Capacities	Approximate Fluid Capacities
HVAC Capacities	Approximate Fluid Capacities
Engine Controls and Fuel Capacities - 2.5L (LCV)	70 liters/18.5 Gallons
Engine Controls and Fuel Capacities - 3.6L (LFX)	70 liters/18.5 Gallons
Engine Mechanical Capacities - 2.5L (LCV)	Approximate Fluid Capacities
Engine Mechanical Capacities - 3.6L (LFX)	Approximate Fluid Capacities
Automatic Transmission Fluid Capacities - 6T45 (MHG)	Approximate Fluid Capacities
Automatic Transmission Fluid Capacities - 6T70 (M7W)	Approximate Fluid Capacities

FLUID AND LUBRICANT RECOMMENDATIONS

Usage	Fluid/Lubricant
Engine Oil	Use only engine oil licensed to the dexos™ 1 specification, or equivalent, of the proper SAE viscosity grade. ACDelco dexos™ 1 Synthetic Blend is recommended. Use SAE 5W-30 viscosity grade engine oil for the 3.6L V6 engine. Use SAE 5W-20 viscosity grade engine oil for the 2.5L L4 engine. SAE 0W-20 may be used as an alternative. Cold Temperature Operation: In an area of extreme cold, where the temperature falls below -29 Â°C (-20 Â°F), an SAE 0W-30 oil may be used for the 3.6L V6 engine. An oil of this viscosity grade will provide easier cold starting for the engine at extremely low temperatures. When selecting an oil of the appropriate viscosity grade, always select an oil of the correct specification. Refer to Owner's Manual for more information.
Engine Coolant	50/50 mixture of clean, drinkable water and use only DEX-COOL Coolant.
Hydraulic Brake System	DOT 3 Hydraulic Brake Fluid (GM P/N 19299818, in Canada 19299819).
Windshield Washer	Automotive windshield washer fluid that meets regional freeze protection requirements.
Automatic Transmission	DEXRONÂ®-VI Automatic Transmission Fluid.
Key Lock Cylinders	Multi-Purpose Lubricant, Superlube (GM P/N 12346241, in Canada 10953474).
Hood Latch Assembly, Secondary Latch, Pivots, Spring Anchor, and Release Pawl	Lubriplate Lubricant Aerosol (GM P/N 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 P/N 12346241, in Canada 10953474).

Usage	Fluid/Lubricant
Weather-strip Conditioning	Weather-strip Lubricant (GM P/N 3634770, in Canada 10953518) or Dielectric Silicone Grease (GM P/N 12345579, in Canada 10953481).

MAINTENANCE ITEMS

Maintenance Procedure	Link
Approximate Fluid Capacities	Approximate Fluid Capacities
Fluid and Lubricant Recommendations	Fluid and Lubricant Recommendations
Maintenance Replacement Parts	Maintenance Replacement Parts
GM Oil Life System Resetting	GM Oil Life System Resetting GM Oil Life System Resetting (With Scan Tool)
Tire Rotation	Tire Rotation
Tire Pressure Indicator Sensor Learn	Tire Pressure Indicator Sensor Learn
Passenger Compartment Air Filter Replacement	Passenger Compartment Air Filter Replacement
Brake Pad Inspection	Brake Pad Inspection
Cooling System Draining and Filling	Cooling System Draining and Filling (Vacuum and Fill) Cooling System Draining and Filling (Static)
Hydraulic Brake System Bleeding	Hydraulic Brake System Bleeding (Manual) Hydraulic Brake System Bleeding (Pressure)
Air Cleaner Element Replacement - 2.5L (LCV)	Air Cleaner Element Replacement - 2.5L (LCV)
Air Cleaner Element Replacement - 3.6L (LFX)	Air Cleaner Element Replacement - 3.6L (LFX)
Spark Plug Replacement - 2.5L (LCV)	Spark Plug Replacement - 2.5L (LCV)
Spark Plug Replacement - 3.6L (LFX)	Spark Plug Replacement - 3.6L (LFX)
Drive Belt Replacement - 2.5L (LCV)	Drive Belt Replacement - 2.5L (LCV)
Drive Belt Replacement - 3.6L (LFX)	Drive Belt Replacement - 3.6L (LFX)
Automatic Transmission Fluid Drain and Fill - 6T45 (MHG)	Transmission Fluid Drain and Fill - 6T45 (MHG)
Automatic Transmission Fluid Drain and Fill - 6T70 (M7W)	Transmission Fluid Drain and Fill - 6T70 (M7W)

MAINTENANCE REPLACEMENT PARTS

Replacement parts identified below by name, part number, or specification can be obtained from your dealer.

Part	GM Part Number	ACDelco Part Number
Engine Air Cleaner/Filter		
• 2.5L L4 Engine	20972654	A3174C
• 3.6L V6 Engine	22753242	A3176C
Engine Oil Filter		
• 2.5L L4 Engine	12640445	PF64
• 3.6L V6 Engine	19330000	PF63E
Passenger Compartment Air Filter		

Part	GM Part Number	ACDelco Part Number
CJ2	13356914	CF184
C67	13356916	CF185
Spark Plugs		
2.5L L4 Engine	12627160	41-115
3.6L V6 Engine	12622561	41-109
Wiper Blades		
Driver Side - 60 cm (23.6 in)	92231676	-
Passenger Side - 47.5 cm (18.7 in)	22846938	-

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 system 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 3,000 miles (5000 km) since last oil change.

Manual Oil Life System Reset

1. Turn the ignition key to ON/RUN, with the engine OFF.
2. Press the DIC MENU button on the turn signal lever to enter the Vehicle Information Menu. Use the thumbwheel to scroll through the menu items until you reach REMAINING OIL LIFE.
3. Press the SET/CLR button to reset the oil life at 100%
4. Turn the ignition to LOCK/OFF.

The system is reset when the CHANGE ENGINE OIL SOON message is off and the REMAINING OIL LIFE 100% message is displayed.

If the CHANGE OIL SOON message comes back on when you start the vehicle, the Engine Oil Life System has not reset. Repeat the procedure.

Automatic Oil Life System Reset

1. Turn on the ignition
2. Connect scan tool
3. Select Module Diagnosis

4. Select Engine Control Module
5. Select Configuration/Reset function
6. Select Engine Oil System Reset
7. Push Enter button to run function
8. Confirm Executed successfully
9. Turn ignition off and confirm
10. Turn ignition on and confirm

GM OIL LIFE SYSTEM RESETTNG (WITH SCAN TOOL)

When the system has calculated that oil life has been diminished, it will indicate that an oil change is necessary. A ENGINE OIL light 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 system 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 applicable) With Scan Tool

1. Ignition - On / Vehicle - In Service Mode
 2. Select: Module Diagnostics
 3. Select: K20 Engine Control Module
 4. Select: Configuration/Reset Functions
 5. Select: Reset Functions
 6. Select: Engine Oil Life Reset
 7. Enter the desired value
 8. Select: Continue
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