

2018 ENGINE

Maintenance And Lubrication - Equinox & Terrain

SPECIFICATIONS

APPROXIMATE FLUID CAPACITIES

Maintenance Procedure	Link
Automatic Transmission Fluid Capacities - 6T40 (MNH, MNK) or 6T45 (MHG)	Approximate Fluid Capacities
Automatic Transmission Fluid Capacities - 9T45 (M3U) or 9T50 (M3D, M3H)	Approximate Fluid Capacities
Engine Controls and Fuel Capacities - 1.5L (LYX)	Approximate Fluid Capacities
Engine Controls and Fuel Capacities - 2.0 (LTG)	Approximate Fluid Capacities
Engine Heating and Cooling Capacities	Approximate Fluid Capacities
Engine Mechanical - 1.5L (LYX) Capacities	Approximate Fluid Capacities
Engine Mechanical - 1.6L (LH7) Diesel Capacities	Approximate Fluid Capacities
Engine Mechanical - 2.0L (LTG) Capacities	Approximate Fluid Capacities
Heating, Ventilation, and Air Conditioning Capacities	Approximate Fluid Capacities
Hydraulic Brakes Capacities	Approximate Fluid Capacities
Power Transfer Unit/Transfer Case Capacities - AAM	Approximate Fluid Capacities
Rear Drive Axle Capacities	Approximate Fluid Capacities

FLUID AND LUBRICANT RECOMMENDATIONS

Usage	Fluid/Lubricant
Automatic Transmission	DEXRON [®] -VI Automatic Transmission Fluid (GM Part No. 88865601, in Canada 19367328)
Diesel Exhaust After-treatment System	Diesel Exhaust Fluid (GM Part No. 19286291, in Canada 88865751) or diesel exhaust fluid that meets ISO 22241-1 or displays the API Diesel Exhaust Fluid Certification Mark.
Engine Coolant	50/50 mixture of clean, drinkable water and DEX-COOL [®] Coolant (GM Part No. 12346290, in Canada 10953464)
Engine Oil (Diesel)	SAE 5W-30 ACDelco dexos2 (GM Part No. 88865157, in Canada 88865338)
Engine Oil (Gasoline)	For the LYX 1.5L turbo engine, use SAE 0W-20 ACDelco dexos1 gen 2 full synthetic engine oil (GM Part No. 19352900). For the LTG 2.0L turbo engine, use SAE 5W-30 ACDelco dexos1 gen 2 full synthetic engine oil (GM Part No. 19293000, in Canada 19286321). Cold Temperature Operation: In an area of extreme cold, where the temperature falls below -29°C (-20°F), an SAE 0W-30 oil may be used. An oil of this viscosity grade will provide easier cold starting for the engine at extremely low temperatures.
Hood and Door Hinges	Multi-Purpose Lubricant, Superlube (GM Part No. 12346241, in Canada 10953474)
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.

Usage	Fluid/Lubricant
Hydraulic Brake System	DOT 3 Hydraulic Brake Fluid (GM Part No. 19353126, in Canada 19299819)
Transfer Case (All-Wheel Drive)	Transfer Case Fluid (GM Part No. 88900401, in Canada 89021678)
Weatherstrip Conditioning	Weatherstrip Lubricant (GM Part No. 3634770, in Canada 10953518) or equivalent
Windshield Washer	Optikleen Washer Solvent (GM Part No. 1051515, in Canada 10951147)

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 (Without Scan Tool) 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 (GE 47716) Cooling System Draining and Filling (Static)
Hydraulic Brake System Bleeding	Hydraulic Brake System Bleeding (Manual) Hydraulic Brake System Bleeding (Pressure)
Air Cleaner Element Replacement - 1.5L (LYX)	Air Cleaner Element Replacement
Air Cleaner Element Replacement - 1.6L (LH7) Diesel	Air Cleaner Element Replacement
Air Cleaner Element Replacement - 2.0L (LTG)	Air Cleaner Element Replacement
Spark Plug Replacement - 1.5L (LYX)	Spark Plug Replacement
Spark Plug Replacement - 2.0L (LTG)	Spark Plug Replacement
Drive Belt Replacement - 1.5L (LYX)	Drive Belt Replacement
Drive Belt Replacement - 2.0L (LTG)	Drive Belt Replacement
Automatic Transmission Fluid Drain and Fill - 6T45 (MHG) or 6T50 (M2D)	Transmission Fluid Drain and Fill
Automatic Transmission Fluid Drain and Fill - 9T45 (M3U) or 9T50 (M3D, MEH)	Transmission Fluid Drain and Fill

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	23279657	A3226C
Engine Oil Filter		
• 1.5L L4 Gas Engine	12640445	PF64
• 1.6L L4 Diesel Engine	55588497	PF2264G

Part	GM Part Number	ACDelco Part Number
2.0L L4 Gas Engine	12640445	PF64
Fuel Filter		
1.6L L4 Diesel Engine	84186990	TP1016
Passenger Compartment Air Filter	13508023	CF185
Spark Plugs		
1.5L L4 Gas Engine	12673527	41 - 153
2.0L L4 Gas Engine	12647827	41 - 125
Wiper Blades		
Driver Side - 60.0 cm (23.6 in)	23368186	-
Passenger Side - 45.0 cm (17.7 in)	23353587	-
Rear - 30.0 cm (11.8 in)	84215609	-

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 (WITHOUT SCAN TOOL)

When to Change Engine Oil

This vehicle has a computer system that indicates when to change the engine oil and filter. This is based on engine revolutions and engine temperature, and not on mileage. Based on driving conditions, the mileage at which an oil change is indicated can vary considerably. For the oil life system to work properly, the system must be reset every time the oil is changed.

On some vehicles, when the system has calculated that oil life has been diminished, a CHANGE ENGINE OIL SOON message comes on to indicate that an oil change is necessary. Change the oil as soon as possible within the next 1000 km (600 miles). It is possible that, if driving under the best conditions, the oil life system might 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. For vehicles without the CHANGE ENGINE OIL SOON message, an oil change is needed when the OIL LIFE REMAINING percentage is near 0 percent. Your dealer has trained service people who will perform this work using genuine parts and reset the system. It is also important to check the oil regularly and keep it at the proper level.

If the system is ever reset accidentally, the oil must be changed at 5000 km (3, 000 miles) since the last oil change. Remember to reset the oil life system whenever the oil is changed.

How to Reset the Engine Oil Life System

The Engine Oil Life System calculates when to change the engine oil and filter based on vehicle use. Whenever the oil is changed, reset the system so it can calculate when the next oil change is required. If

a situation occurs where the oil is changed prior to a CHANGE ENGINE OIL SOON message coming on, reset the system.

If the vehicle does not have Driver Information Center (DIC) buttons:

1. Turn the ignition to ON/RUN, with the engine off. The vehicle must be in P (Park) to access this display. Press the trip odometer reset stem until OIL LIFE REMAINING displays.
2. Press and hold the trip odometer reset stem until OIL LIFE REMAINING shows "100%". Three chimes sound and the CHANGE ENGINE OIL SOON message goes off.
3. Turn the key to LOCK/OFF.

If the CHANGE ENGINE OIL SOON message comes back on when the vehicle is started, the engine oil life system has not reset. Repeat the procedure.

If the vehicle has Driver Information Center (DIC) buttons:

1. Turn the ignition to ON/RUN, with the engine off.
2. Press the vehicle information button until OIL LIFE REMAINING displays.
3. Press and hold the set/reset button until "100%" is displayed. Three chimes sound and the CHANGE ENGINE OIL SOON message goes off.
4. Turn the key to LOCK/OFF.

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

GM OIL LIFE SYSTEM RESETTING (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

GM FUEL FILTER LIFE SYSTEM RESETTING (LH7)

Diagnostic Instructions

- Perform the Diagnostic System Check prior to using this diagnostic procedure: [Diagnostic System Check - Vehicle](#)
- Review the description of Strategy Based Diagnosis: [Strategy Based Diagnosis](#)

Description

This procedure resets the control module learned values of the component/system: Fuel Filter

When to Perform the Procedure

Perform this procedure when the following component has been serviced:

- K20 Engine Control Module - Replaced

- Fuel Filter - Replaced

Conditions for Running the Procedure

Ignition = Run/Crank

Reference Information

Scan Tool Reference

Control Module References

With Scan Tool

1. Ignition - On/Vehicle - In Service Mode
2. Select: Module Diagnostics
3. Select: Engine Control Module
4. Select: Configuration/Reset Functions
5. Select: Reset Functions
6. Select: Fuel Filter Life Reset
7. Follow the instructions on the scan tool.

Without Scan Tool

1. Ignition - On/Vehicle - In Service Mode
2. Transmission in Park

NOTE: **The Fuel Filter Life will only display on the DIC if the Ignition is On, the vehicle is in Service Mode, and the gear selector is in Park.**

3. Display the Fuel Filter Life Remaining on the DIC. If the vehicle does not have DIC buttons, use the trip odometer reset stem.
4. Press and hold the SET/RESET button on the DIC, or the trip odometer reset stem if the vehicle does not have DIC buttons, for more than two seconds. The Fuel Filter Life Remaining will change to 100 percent.
5. Verify the procedure was successful.
 - **If the procedure was not successful**

Refer to: Step 1
 - **Go to next step: If the procedure was successful**
6. All OK.

Repair Instructions

Perform the Diagnostic Repair Verification after completing the repair: [Diagnostic Repair Verification](#)
