



Mid-January 2017, Volume 19, No. 2

All-New 2018 Equinox Hits the Road



The new 2018 Equinox is a five-passenger, four-door crossover available with front-wheel-drive (FWD) or all-wheel-drive (AWD).

The new Equinox is approximately 400 pounds (180 kg) lighter than the current model, which is a 10 percent reduction in weight, improving handling performance and fuel efficiency. Fuel economy also is enhanced by electronically controlled aero shutters in the upper and lower grilles.

Powertrains

A range of three direct injection, turbocharged 4-cylinder engines are available, including a 1.5L gasoline engine (RPO LYX) paired with the 6T40 6-speed automatic transmission (RPOs MNH, MNK), a 2.0L gasoline engine (RPO LTG) matched with GM's new 9T50 9-speed automatic transmission (RPO M3D), and a 1.6L turbo-diesel engine (RPO LH7) mated to the 6T45 6-speed automatic transmission (RPO MHG). The diesel engine will be introduced later in the year. Fuel-saving Stop/Start technology is standard with all three engines.

All engines use engine oils that meet the dexos® specification.

- 1.5L engine ACDelco dexos1 SAE 0W-20 viscosity grade oil
- 2.0L engine ACDelco dexo1 SAE 5W-30 viscosity grade oil

CONTENTS

All-New 2018 Equinox Hits the Road 1
Quick Learn Procedure for 2017 Keyed Models
Flat/Dinghy Towing 4WD Trucks and SUVs 4
Headlamp Water Intrusion 5
Service Know-How 5

Customer Care and Aftersales

GM

All-New 2018 Equinox Hits the Road -

continued from page 1



New 1.6L turbo-diesel (RPO LH7)

 1.6L diesel engine – ACDelco dexos2 SAE 5W-30 viscosity grade oil

The available AWD system has a driver-switchable ON-OFF feature that enhances efficiency by disconnecting virtually all of the AWD components from the drivetrain when AWD is not needed, stopping the gears and prop shafts from spinning. The AWD button indicator will flash when engaging AWD and stay illuminated when AWD is active.



Switchable ON-OFF AWD button on the center console

Suspension and Brakes

The new Equinox uses a dual rack and pinion electric power steering (EPS) system. The front suspension is a MacPherson strut design with side-loaded modules, specifically tuned coil springs and a direct-acting stabilizer bar. At the rear is a four-link independent suspension.

17, 18 or 19-inch aluminum wheels are available, depending on the trim level.

All models have standard four-wheel disc brakes with DuralifeTM brake rotors. The unique Ferritic Nitro-Carburizing (FNC) surface treatment of the Duralife rotors provides corrosion protection while allowing the brake rotor to wear much slower.



The Equinox uses an electric power steering system and a MacPherson strut front suspension.

The new low-drag brake calipers are specially designed to ensure that the pad-to-rotor gap is precisely maintained, and that reduced slide forces are kept throughout the life of the vehicle, contributing to improved fuel economy due to less brake drag.

Infotainment Systems



The position of the center stack helps with accessibility and reduces glare on the touch screen.

The Equinox features a 7-inch or 8-inch diagonal color MyLink[™] infotainment system. The available 8-inch diagonal touch screen has a flat design that's similar to a tablet. It also offers the ability to download in-vehicle apps to the touch screen via the Shop icon.

To help with accessibility and reduce glare, the touch screen has been moved closer to the driver and is tilted towards the driver's line of sight.

Both 7-inch and 8-inch systems feature Teen Driver, which allows multiple keys to be registered for beginning drivers and automatically activates certain safety systems. A Report Card records vehicle data. Teen Driver settings can be found in the Settings menu.

The available Wireless Charging system is located at the front of the center console. Compatible mobile phones (accessories may be required) can be placed on the charging pad, face up, for charging when the vehicle is on or Retained Accessory Power is active. The charging symbol will display on the infotainment touch screen when a phone is charging.

continued on page 3

All-New 2018 Equinox Hits the Road -

continued from page 2

Safety Features

The new Equinox offers a number of active safety features and adaptive crash-avoidance systems, including:

- Forward Collision Alert (FCA) with Following Distance Indicator
- Lane Keep Assist (LKA) with Lane Departure Warning (LDW)
- Low-Speed Forward Automatic Braking (FAB)
- Rear Seat Reminder
- Safety Alert Seat
- Surround Vision
- Lane Change Alert (LCA) with Side Blind Zone Alert (SBZA)
- Rear Cross Traffic Alert (RCTA)
- Front airbags, seat-mounted side impact airbags and roof-rail airbags

The Surround Vision cameras provide a look at the vehicle's perimeter using four cameras located on each side of the vehicle. However, the cameras do have blind spots and will not display all objects near the corners of the vehicle. Folding side mirrors



Surround Vision view

that are out of position will not display the Surround Vision view correctly. The Surround Vision view is displayed on the infotainment screen along with the view from the front or rear camera.

The Rear Seat Reminder feature monitors the operation of the rear doors. If the rear door is opened and closed within 10 minutes before the vehicle is started or if the rear door is opened and closed while the vehicle is running, the next time the vehicle is turned off after a door activation, the vehicle will sound a chime and display a message on the Driver Information Center. The system doesn't detect rear seat occupants but serves as a reminder that a person or object may be in the rear seat.



Kick under the rear bumper to open/close the liftgate hands free.

Power Liftgate

The available hands-free programmable power liftgate uses a control knob located on the driver's door. The knob must be in the Max or 3/4 position for hands-free operation. To open or close the liftgate, kick your foot straight under the driver's side of the rear bumper, between the exhaust pipe and the license plate. The Remote Keyless Entry transmitter must be within three feet of the liftgate.:

Air Deflector Fastener Installation

Fasteners for the rear tire front air deflectors should be installed during PDI. One of the two required fasteners for each rear tire front air deflector is not installed during vehicle assembly. The missing bolts (one per side) and an instruction sheet are included in the loose part bag.



Install a fastener to each rear tire front air deflector.

To install the fastener on each rear tire front air deflector, reach under the rocker panel to find the only horizontal fastener location. Install the bolt and tighten to 2.5 Nm.

Special Tools

The following special service tools have been released for the 2018 Equinox:

DT-51983	Installer, Case Side PTU Seal
DT-52000	Installer, Cover Side PTU Seal
DT-51329-A	Prop Shaft Remover
CH-52075	Fuel Pump Lock Ring

For additional information on the new 2018 Equinox, refer to Bulletin #17-NA-020.

 $\displaystyle \mathfrak{S}$ Thanks to Tyler Greenhill and Sherman Dixon

Quick Learn Procedure for 2017 Keyed Models

New for 2017, two keys that are already programmed need to be present in order to use the quick learn procedure for adding keys to GM models, excluding 2017 Acadia Limited, Enclave, Traverse, Express and Savana. On 2016 and earlier models, only one learned key is needed to perform the quick learn procedure.:

Programming Additional Keys

To program a new key for keyed vehicles:

- Insert the original, already programmed key in the ignition and turn the key to ON/RUN.
- 2. Turn the key to LOCK/OFF, and remove the key.
- Within five seconds, insert the second already programmed key in the ignition and turn it to ON/RUN.
- 4. Turn to the key to LOCK/OFF, and remove the key.
- 5. Within five seconds, insert the new key to be programmed and turn it to ON/RUN. The theft security light will turn off once the key has been programmed.

Two keys are needed to add keys using the quick learn procedure for 2017 models.

6. Repeat these steps to program additional keys.

TIP: If only one learned key is present, SPS must be used to add additional keys. The quick learn procedure will not complete with only one learned key. Using only one key for the quick learn procedure will cause the theft security light to illuminate when attempting to start the vehicle.

The adding keys procedure does not erase any keys prior to programming. The procedure will simply program the key into the next available slot. Use this procedure when adding an additional key to the vehicle.

If all keys are lost, the 30 minute learn procedure should be used. Once a key is learned with this procedure, all previously known keys will no longer work with the vehicle.

If keys/fobs of vehicles with under 100 miles are lost or damaged in transit/transportation to the dealership, use labor code 0500010.

S Thanks to Theon Tinker and Chris Crumb

Flat/Dinghy Towing 4WD Trucks and SUVs

A Service 4WD message may display on the Driver Information Center and the transfer case may be stuck in Neutral on some 2014-2015 Silverado 4WD, Sierra 4WD; 2015 Tahoe 4WD, Suburban 4WD, Colorado 4WD, Yukon 4WD, Canyon 4WD, and Escalade 4WD models. These conditions may occur when the vehicle is dinghy towed or is set up for dinghy towing by disconnecting and reconnecting the battery as outlined in the Owner's Manual. DTC C0398 (Range Actuator Position – Range Position Correlation) may be set in the Transfer Case Control Module.

A new software update is available to correct these conditions. If the software has been updated before diagnosis begins, these conditions will not be able to be duplicated. Check for the latest software update before beginning diagnosis.

S Thanks to Steve Schipansky





Headlamp Water Intrusion

A no crank condition or dead battery may be found on some 2016-2017 Silverado 1500 and Sierra 1500 models. Other possible conditions include unable to SPS program the Engine Control Module (ECM) or the engine stays running with the ignition off. DTC P1682 (Ignition 1 Switch Circuit 2) or P129D (Fuel Pump Driver Control Module Ignition On/Start Switch Circuit Low Voltage) may be set.



Chevrolet headlamp

While performing diagnostics, voltage may be found on any one of the following underhood electrical center fuses with the ignition off: F26UA, F31UA, F34UA, F39UA, F40UA, or F56UA. These fuses should not have any voltage with the ignition off. This can cause multiple modules to stay awake and lead to a dead battery. These conditions may be intermittent and more apparent during wet weather.

Inspect each headlamp assembly for water intrusion and, if found, disconnect the appropriate headlamp assembly and evaluate the condition. Replace the headlamp assembly if necessary. If disconnecting the headlamp assembly does not alleviate the condition, check for water intrusion in the headlamp assembly connections and repair as necessary.

S Thanks to Kacy McCure

Service Know-How

10217.03V Emerging Issues - March 9, 2017

The latest service topics from Brand Quality and Engineering are reviewed, including an overview of the new 2018 Equinox and diagnostic tips for the high pressure fuel pump on the Duramax diesel engine.

To view Emerging Issues seminars:

- · Log in to www.centerlearning.com
 - Select Resources > Video on Demand > GM STC > Search Videos; or
 - Select Catalog to search for the course number, and then select View
 > Take or Continue Course





GM TechLink is published for all GM retail technicians and service consultants to provide timely information to help increase knowledge about GM products and improve the performance of the service department.

Publisher:

John Meade GM Customer Care and Aftersales

Editor:

Lisa G. Scott GM Customer Care and Aftersales

Technical Editor: Mark Spencer Simpencer@gpstrategies.com

Production Manager: Marie Meredith

Creative Design:

5by5 Design LLC dkelly@5by5dzign.com

Fax number: 1-248-729-4704

Write to:

TechLink PO Box 500 Troy, MI 48007-0500

GM TechLink on the Web: GM GlobalConnect

General Motors service tips are intended for use by professional technicians, not a "do-it-yourselfer." They are written to inform those technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions and know-how to do a job properly and safely. If a condition is described, do not assume that the information applies to your vehicle or that your vehicle will have that condition. See a General Motors dealer servicing your brand of General Motors vehicle for information on whether your vehicle may benefit from the information.

Inclusion in this publication is not necessarily an endorsement of the individual or the company.

Copyright© 2017 General Motors All rights reserved.