



Service Bulletin

File in Section: -

Bulletin No.: 15-NA-085

Date: July, 2016

INFORMATION

Subject: 2016 Chevrolet Malibu New Model Features

Attention: This Bulletin Also Applies to Export Vehicles.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		From:	To:	From:	To:		
Chevrolet	Malibu — (VIN Z)	2016	2016	All	All	4 Cylinder L4 1.5L Turbocharged with Stop/Start Technology — RPO Lfv 4 Cylinder L4 2.0L Turbocharged — RPO LTG	Hydra-Matic™ 6T40 6-Speed Automatic FWD — RPO MNH Aisin AF50-8 8- Speed Automatic FWD — RPO MRC

Overview



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Bulletin Purpose

This is a special bulletin to introduce the 2016 Chevrolet Malibu. The purpose of this bulletin is to help the Service Department Personnel become familiar with some of the vehicle's new features and to describe some of the action they will need to take to service this vehicle.

About the Car

The 2016 Malibu — VIN Z (VIN Code 4th digit) will be offered in L, LS, 1LT and 2LT (excluding Canada) trims and Chevrolet's new uplevel designation, the Premier

which replaces the LTZ trim. The 2016 Malibu will be built at GM's Fairfax Assembly Plant, in Kansas City, Kansas.

The all-new 2016 Chevrolet Malibu offers dramatic design, exceptional efficiency, and advanced safety technology. Malibu will also keep you informed and entertained on the go with available built-in 4G LTE Wi-Fi. The Malibu has Chevrolet MyLink™ with available Android Auto™ and Apple CarPlay™ compatibility, nine new-to-Malibu safety features, including available Front Automatic Braking and the new Teen Driver feature (standard when equipped with the 8-inch (203 mm) diagonal color touch-screen display) which provides driving statistics to the parents.

GM engineers designed the 2016 Chevrolet Malibu with approximately a four-inch (101 mm) longer wheelbase, resulting in more interior space and greater comfort and to be lighter, more fuel efficient, stronger and safer. An important goal was to make the Malibu the most mass-efficient car in its class. With the mass savings spread throughout the vehicle, it provides greater overall balance, a more responsive and agile driving experience and decreased fuel consumption. The result is an all-new Malibu that is nearly 300 pounds (136 kg) lighter than the current model, an achievement that gives it the segment's lightest base curb weight and contributes to an estimated 37 mpg highway (6.3 L/100 km highway) for the all-new standard 1.5L turbocharged engine with fuel-saving stop/start technology and equipped with the 6-speed automatic transmission. The 1.5L engine is 86 pounds (39 kg) lighter than the current model's standard 2.5L engine which enhances the Malibu's front-to-rear weight balance contributing to a more responsive driving experience. A lighter curb weight also improves ride and handling.

More than a third of the mass savings, approximately 120 pounds (54 kg) comes from the all-new body structure, which features greater use of high-strength steels.

The increased use of aluminum in the vehicle such as an aluminum hood which is 5.6 pounds (2.5 kg) lighter than the current model's aluminum hood and more aluminum chassis and suspension components also deliver weight savings. New power window regulators collectively save 4.2 pounds (1.9 kg) while another 2.2 pounds (1 kg) was saved by streamlining the instrument panel and reducing the complexity of components within it.

The Malibu's available leather seats are collectively 40.6 pounds (18.4 kg) lighter than the current model.

A range of 16 to 19-inch wheels specifically designed for Malibu to complement its new exterior design.

The Center High-Mounted Stoplamp (CHMSL) has been moved to the roofline for a better aesthetic.

Additional Highlights

- Standard Rear View Camera on LS, LT and Premier models.
- Ten standard air bags.
- Improved visibility.
- Wider-opening rear doors.
- Standard Passive Entry/Push-Button Start.

- StabiliTrak® Electronic Stability Control System.
- Rollover Mitigation Technology.
- Torque Vectoring by Brakes.
- Engine Drag Control.
- More standard seat content, including greater control over seat positioning.
- The rear decklid features a standard integrated spoiler with aerodynamic benefits that help fuel efficiency.
- Available ventilated front seats.
- Available contemporary lighting technology that includes LED Daytime Running Lamps and Tail lamps. LED Daytime Running Lamps are featured on LT and Premier models and the Premier receives LED tail lamps.
- Available heated steering wheel.
- Available dual-pane power sunroof.
- Available Bose® Premium 9-speaker system.
- Available dual rear-seat USB ports.
- Available wireless charging (owner must supply an adapter).
- Available integrated chrome-trimmed dual exhaust outlets.

Engines

Ecotec 1.5L DOHC I-4 VVT DI Turbocharged — RPO LFV with Stop/Start Technology — RPO KL9



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An all-new Ecotec 1.5L turbo is the standard engine and it is part of a new global family of small-displacement gasoline engines designed with greater power density to deliver consistent performance and efficiency.

- **Displacement:** 91 cu in (1,490 cc)
- **Bore and Stroke:** 2.91 x 3.40 in (74 x 86.6 mm)
- **Block Material:** Cast aluminum
- **Cylinder Head Material:** Cast aluminum

- **Valvetrain:** DOHC, four-valves per cylinder, continuously variable valve timing
- **Valve Lifters:** Hydraulic roller finger follower
- **Ignition System:** Coil-on-plug
- **Fuel Delivery:** High-pressure direct injection and electronic throttle control
- **Compression Ratio:** 10:1
- **Horsepower:** 163 hp (122 kW) @ 5,700 rpm (SAE Certified)
- **Torque:** 184 lb.-ft. (250 Nm) @ 2,500-3,000 rpm (SAE Certified)
- **Maximum Engine Speed (Fuel Cut-Off):** 6,500 rpm
- **Recommended Fuel:** Regular unleaded
- **Emission Controls:** Close-coupled, catalytic converter, positive crankcase ventilation; evaporative system

Ecotec 2.0L DOHC I-4 VVT DI Turbocharged — RPO LTG



4324293

A higher-output 2.0L turbocharged engine is available, offering a higher degree of performance, but not at the expense of good efficiency.

- **Displacement:** 122 cu in (1,998 cc)
- **Bore and Stroke:** 3.39 x 3.39 in (86 x 86 mm)
- **Block Material:** Cast aluminum
- **Cylinder Head Material:** Cast aluminum
- **Valvetrain:** DOHC, four-valves per cylinder, continuously variable valve timing
- **Valve Lifters:** Hydraulic roller finger follower
- **Ignition System:** Coil-on-plug
- **Fuel Delivery:** High-pressure direct injection and electronic throttle control
- **Compression Ratio:** 9.5:1
- **Horsepower:** 259 hp (193 kW) @ 5,300 rpm (SAE Certified)
- **Torque:** 295 lb.-ft. (400 Nm) @ 3,000-5,000 rpm (SAE Certified)

- **Recommended Fuel:** Use Premium Unleaded with an octane rating of 91 or higher
- **Maximum Engine Speed (Fuel Cut-Off):** 6,700 rpm
- **Emission Controls:** Close-coupled, catalytic converter, positive crankcase ventilation; evaporative system

Engine — Stop/Start System — RPO KL9

Stop/Start System Overview



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Notice: The Stop/Start System is automatically activated each time the ignition is turned ON.

A fuel-saving Stop/Start system has been integrated with the 1.5L engine. When driving and bringing the vehicle to a complete stop and firmly applying the brake pedal, the Stop/Start system may turn the engine **OFF**, depending on operating conditions. When the Stop/Start system turns the engine **OFF**, the tachometer needle will point at **AUTO STOP (2)** indicating the engine has been shut down by the Stop/Start System. Once the engine is restarted, the tachometer will function normally.

Upon releasing the brake pedal or applying the accelerator pedal, the engine will restart. After parking the vehicle and turning the engine **OFF**, the tachometer will read **OFF (1)**.

An upgraded starter motor and advanced battery technology support the increased number of engine starts. The starter motor has a high performance electric motor and stronger pinion engagement mechanism. The starter motor has also been re-designed to reduce the noise on startup. Advanced battery technology ensures it can handle frequent charge and discharge cycles. An intelligent battery sensor module monitors the state of charge and health of the battery. Battery state of charge and health are used by the ECM to determine if the Stop/Start function may be performed. It only takes the Stop/Start system around 0.3 seconds to start the engine.

AutoStop Inhibiting Conditions

In order to ensure neither the needs of the driver or the vehicle are compromised, the engine **will not AutoStop** if the following conditions are met:

- The ambient (outside) temperature and the engine coolant temperature (ECT) correlation do not meet the specified values.
- The ambient temperature is colder than 14°F (-10°C).
- The battery temperature is colder than 32°F (0°C) or warmer than 131°F (55°C).
- The HVAC system demand is high.
- The HVAC system has been set to Defrost.
- The 12V battery state of charge is low.
- The Battery Sensor Module Learn procedure has not been completed. Refer to Battery Sensor Module Learn in SI.
- Driver seat belt is not fastened and the driver door is not fully closed. (Not applicable to vehicles in North America).

AutoStop Enabling Conditions

The engine **will AutoStop** if ALL of the following conditions are met:

- The initial minimum vehicle speed during the drive cycle must be 12 mph (19 km/h) or more. Subsequent AutoStop minimum speed may vary from 1 to 6 mph (2 to 10 km/h), depending on the vehicle.
- The ambient temperature and the ECT correlation meets the specified values.
- The ambient temperature and transmission fluid temperature (TFT) correlation meets the specified values.
- Hood Position is CLOSED. Hood Position CLOSED is a viewable scan tool parameter.
- The brake pedal is depressed more than a specified value, which is approximately 27%.
- The accelerator pedal is in the learned minimum throttle position.
- Brake booster vacuum is more than 7 psi (45 kPa).
- The transmission range selector is in **D** (Drive).
- Vehicle speed is less than 3 mph (5 km/h).
- Engine speed is less than 1,500 rpm.
- The ECT is less than 248°F (120°C).
- The HVAC system does not receive any A/C compressor requests. (No A/C or Defrost mode requests).
- The battery voltage is more than 12V.
- The battery state of charge is more than 75%. This varies with state of health.

AutoStart Enabling Conditions

The engine **will AutoStart** if the following conditions are met:

- Driver removes pressure from the brake pedal or depresses the accelerator pedal while the vehicle is in **D** (Drive).
- Hood Position changes to OPENED. Hood Position CLOSED, AJAR or OPENED is a viewable scan tool parameter.
- The battery state of charge is less than 73%. This varies with state of health.
- The battery voltage is less than 11V.
- An A/C compressor request from the HVAC system. (A/C or Defrost mode request).
- The vehicle speed increases.
- Brake booster vacuum is less than 6 psi (40 kPa).
- The ECT is warmer than 257°F (125°C).
- The HVAC system Economy mode has been turned OFF by the driver.

Notice: If the AutoStart crank time exceeds 2 seconds a manual ignition switch restart will be necessary.

- The AutoStop time has exceeded 2 minutes.
- Driver door is opened and the driver seat belt is unbuckled. (Not applicable to vehicles in North America).

dexos® Engine Oil





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Ask for and use engine oils that meet the dexos® specification. Engine oils that have been approved by GM as meeting the dexos® specification are marked with either of the dexos1® approved logos that are shown. For additional information, visit this General Motors website: <http://www.gmdexos.com>

Viscosity Grade

Use AC Delco dexos1® synthetic blend SAE 5W-30 viscosity grade engine oil.

In an area of extreme cold, where the temperature falls below -20°F (-29°C) use SAE 0W-30 engine oil. An oil of this viscosity grade will provide easier cold starting for the engine at extremely low temperatures.

Engine Oil Life System

The vehicle features GM's engine oil life system, which better protects engines by recommending oil changes based on a computer software algorithm using actual engine operating conditions and can save the vehicle owner money by avoiding unnecessary oil changes.

Transmissions

Hydra-Matic™ 6T40 6-Speed Automatic FWD Transmission — RPO MNH



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The Hydra-Matic™ 6T40 6-speed automatic transmission comes standard with the 1.5L turbocharged engine.

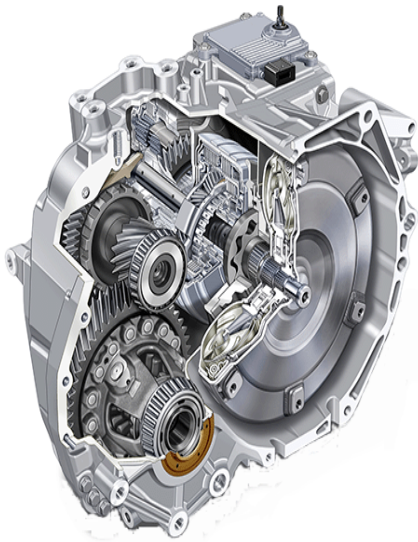
Six-speed automatic transmissions are integral in GM's initiative to offer vehicles with excellent fuel economy. The GF-6 family of transmissions are technologically advanced, fuel-saving 6-speed automatics. Shared traits between the versions – and other Hydra-Matic™ 6-speeds, reduce complexity, size and mass, including clutch-to-clutch operation that enables the 6-speed to be packaged into approximately the same space of a 4-speed automatic.

This transmission also features Gen 3 upgrades that have been implemented to enhance efficiency. The pump has been moved off-axis, which allows better sealing of the torque converter, reducing pump flow demands to enhance fuel economy. Additionally, the pump is now a binary vane-type, which allows lower power consumption during times of lower flow demands and at higher engine speeds. An accumulator is added to the transmission to accommodate the stop/start system.

The transmission has the following gear ratios:

- **First:** 4.58
- **Second:** 2.96
- **Third:** 1.91
- **Fourth:** 1.45
- **Fifth:** 1.00
- **Sixth:** 0.75
- **Reverse:** 2.94
- **Final Drive Ratio:** 3.23

Aisin AF50-8 8-Speed Automatic FWD Transmission — RPO MRC



4328895

An all-new 8-speed automatic transmission, which is the first 8-speed automatic in a GM front wheel drive vehicle comes standard with the 2.0L turbocharged engine and contributes to its balance of performance and efficiency.

The transmission has the following gear ratios:

- **First:** 5.25
- **Second:** 3.03
- **Third:** 1.95
- **Fourth:** 1.45
- **Fifth:** 1.22
- **Sixth:** 1.00
- **Seventh:** 0.81
- **Eighth:** 0.67
- **Reverse:** 4.01
- **Final Drive Ratio:** 3.08

Brakes

This vehicle is equipped with a Bosch ABS 9.0 brake system. The electronic brake control module (EBCM) and the brake pressure modulator valve are serviced separately. The brake pressure modulator valve uses a four circuit configuration to control hydraulic pressure to each wheel independently. Vehicles built with option — RPO FX3 will feature stability enhancement. The following vehicle performance enhancement systems are provided:

- ABS
- Brake Assist
- Electronic Brake Distribution
- Electronic Stability Control (RPO FX3)
- Hill Start Assist
- Traction Control System

Brake Specifications

- Four-wheel disc w/ABS (w/ESC) and brake pre-fill.
- Brake Rotor Front: Vented; Diameter - 11.8 inches (300 mm) single-piston, cast iron caliper; FNC-treated Duralife rotors.
- Brake Rotor Rear: Solid; Diameter - 11.3 inches (287 mm), single-piston, cast iron caliper; FNC-treated Duralife rotors.

Chassis/Suspension/Steering

- **Front:** Independent, MacPherson strut-type with dual-path mountings, specifically tuned coil springs, direct-acting stabilizer bar (hollow); hydraulic ride bushings.
- **Rear:** Four-link independent rear; hollow stabilizer bar.
- **Traction Control:** All-speed using engine torque reduction and brake intervention.
- **Steering Type:** Rack-mounted electric rack-and-pinion power steering.
- **Steering Wheel Turns Lock-to-Lock:** 2.8
- **Turning Circle, Curb-to-Curb:** 37 feet (11.5 m)

Wheels/Tires

Wheels

- 16 x 7.5-inch steel with cover (std. L)
- 16 x 7.5-inch aluminum (std. LS)
- 17 x 8.0-inch aluminum (std. 1LT)
- 18 x 8.0-inch aluminum (std. 2LT in U.S.; avail in Canada on LT "True North Edition")
- 19 x 8.5-inch aluminum (std. Premier)

Tires

- P205/60R16 all-season
- P225/55R17 all-season
- P245/45R18 all-season
- P245/40R19 all-season

Safety Technologies

- **Rear Vision Camera:** A Rear Vision Camera (RVC) is standard on LS, LT and Premier models. When the vehicle is shifted into **R** (Reverse), an image of the area behind the vehicle appears in the infotainment screen. The previous screen displays when the vehicle is shifted out of **R** after a short delay. Periodically clean the RVC lens, with clean water and a soft cloth.
- **Forward Collision Alert with Following Distance Indicator:** If equipped, Forward Collision Alert (FCA) may help avoid or reduce the harm caused by front-end crashes. FCA illuminates a green indicator when a vehicle is detected ahead. This indicator will display amber if

you follow a vehicle too closely. When approaching a vehicle ahead too quickly, FCA illuminates a red flashing alert on the windshield and rapidly beeps.

- **Intelligent Brake Assist (IBA):** Intelligent Brake Assist (IBA) may activate when the brake pedal is applied quickly by providing a boost to braking based on the speed of approach and distance to a vehicle ahead. Minor brake pedal pulsations or pedal movement during this time is normal and the brake pedal should continue to be applied as needed. IBA will automatically disengage **only** when the brake pedal is released.
 - **Front Automatic Braking:** If the vehicle has Forward Collision Alert (FCA), it also has Front Automatic Braking (FAB), which includes Intelligent Brake Assist (IBA). When the system detects a vehicle ahead in your path that is traveling in the same direction that you may be about to crash into, it can provide a boost to braking or automatically brake the vehicle. Depending on the situation, the vehicle may automatically brake moderately or hard. This front automatic braking can only occur if a vehicle is detected. This is shown by the FCA vehicle ahead indicator being illuminated.
 - **Front Pedestrian Braking:** If equipped, Front Pedestrian Braking (FPB) uses a forward-looking camera to help avoid or reduce the harm caused by crashes with pedestrians ahead of the vehicle when driving in a forward gear. FPB displays a pedestrian ahead indicator when a nearby pedestrian is detected directly ahead. When approaching a detected pedestrian too quickly, FPB illuminates a red flashing alert on the windshield and rapidly beeps. The FPB system can detect and alert to pedestrians in a forward gear at speeds between 5 mph (8 km/h) and 50 mph (80 km/h). During daytime driving, the system detects pedestrians up to a distance of approximately 131 ft (40 m). During nighttime driving, system performance is very limited. If FPB detects it is about to crash into a pedestrian directly ahead of the vehicle, and the brakes have not been applied, it may automatically brake moderately or brake hard.
 - **Lane Keep Assist with Lane Departure Warning:** If equipped, Lane Keep Assist (LKA) may help avoid crashes due to unintentional lane departures. It may assist by gently turning the steering wheel if the vehicle approaches a detected lane marking without using a turn signal in that direction. It may also provide a Lane Departure Warning (LDW) alert as the lane marking is crossed. The system will not assist or alert if it detects that you are actively steering.
 - **Lane Change Alert:** If equipped, Lane Change Alert (LCA) is a lane-changing aid that assists drivers with avoiding lane change crashes that occur with moving vehicles in the side blind zone (or spot) areas or with vehicles rapidly approaching these areas from behind. The LCA warning display will light up in the corresponding
- outside side mirror and will flash if the turn signal is **ON**. The Side Blind Zone Alert (SBZA) system is included as part of the LCA system.
 - **Side Blind Zone Alert:** If equipped, Side Blind Zone Alert (SBZA) is a lane-changing aid that assists drivers with avoiding crashes that occur with moving vehicles in the side blind zone (or spot) areas. When the vehicle is in a forward gear, the left or right side mirror display will light up if a moving vehicle is detected in that blind zone. If the turn signal is activated and a vehicle is also detected on the same side, the display will flash as an extra warning not to change lanes. This system is part of the Lane Change Alert (LCA).
 - **Automatic Parking Assist:** If equipped, Automatic Parking Assist (APA) searches for and steers the vehicle into parallel or perpendicular parking spots. When using APA, you must still shift gears, and control the brakes and accelerator. The Driver Information Center (DIC) and audible beeps help to guide parking maneuvers.
 - **Front and Rear Parking Assist:** If equipped, the Rear Vision Camera (RVC), Front and Rear Parking Assist (FRPA), Rear Cross Traffic Alert (RCTA), and Automatic Parking Assist (APA) may help the driver park or avoid objects. Always check around the vehicle when parking or backing. The instrument cluster may have a parking assist display with bars that show **distance to object** and object location information. As the object gets closer, more bars light up and the bars may change color from yellow to amber to red. When an object is first detected in the rear, one beep will be heard from the rear. When an object is less than 2 ft (0.6 m) in the vehicle rear, or less than 1 ft (0.3 m) in the vehicle front, five beeps will sound from the front or the rear depending on where the object is detected. Beeps for Front Parking Assist (FPA) are higher pitched than for Rear Parking Assist (RPA). Keep the sensors clean of mud, dirt, snow, ice, and slush; and clean sensors after a car wash in freezing temperatures.
 - **Rear Cross Traffic Alert:** If equipped, when the vehicle is shifted into **R** (Reverse), Rear Cross Traffic Alert (RCTA) displays a red warning triangle with a left or right pointing arrow on the RVC screen to warn of traffic coming from the left or right. This system detects objects coming from up to 65 ft (20 m) from the left or right side of the vehicle. When an object is detected, three beeps sound from either the left or right, depending on the direction of the detected vehicle.
 - **Adaptive Cruise Control:** If equipped with Adaptive Cruise Control (ACC), it allows you to select the cruise control set speed and following gap. The following gap is the following time between your vehicle and a vehicle detected directly ahead in your path moving in the same direction. If no vehicle is detected in your path, ACC works like regular cruise control. ACC uses camera and radar sensors. If a vehicle is detected in your path, ACC can apply acceleration or limited, moderate braking to maintain the selected

following gap. To disengage ACC, apply the brake. If ACC is controlling your vehicle speed when the Traction Control System (TCS) or StabiliTrak® system activates, the ACC may automatically disengage. ACC will not engage if the TCS or StabiliTrak® system is disabled.

- **IntelliBeam® Headlamps:** If equipped, this system turns the vehicle's high-beam headlamps **ON and OFF** according to surrounding traffic conditions. The system turns the high-beam headlamps **ON** when it is dark enough and there is no other traffic present. It automatically switches the headlamps to low beam to prevent blinding other road users. A light will illuminate in the instrument cluster when the IntelliBeam® system is enabled.
- **Hill Start Assist:** If equipped, Hill Start Assist (HSA) will activate when the vehicle is stopped on a moderate to steep grade to help prevent it from rolling in an unintended direction. After the brake pedal has been released and before the accelerator pedal has been pressed, HSA uses braking pressure to hold the vehicle stationary. If HSA is holding the vehicle, a DIC message displays. HSA will not activate in a forward drive gear when facing downhill, or in **R** (Reverse) when facing uphill.

Active Grille Air Shutter

The active grille air shutter system closes louvers in the front grille to enhance vehicle aerodynamics in driving situations when cooling and A/C loads are relatively low and high levels of front end airflow are not required. If high levels of airflow are required the active grille air shutter system will open one or both shutters. The actuators are powered by an ignition circuit that is active when the key is in the **RUN** position. The vehicle may have to be driven for up to 13 minutes at speeds greater than 25 mph (41 km/h) before a shutter begins to move. If low ambient temperature is detected, the shutters will remain in the closed position.

Wireless Inductive Charging System

Wireless Charging Device Compatibility

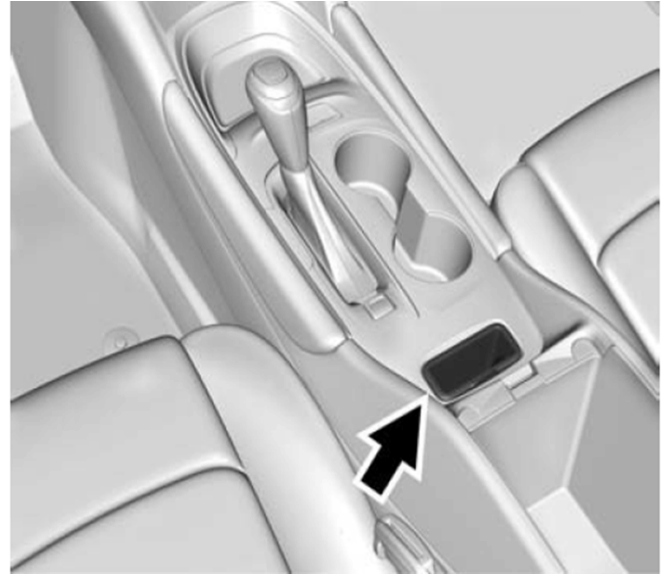
The wireless inductive charging system for smartphones is compatible with Powermat and other in-phone wireless charging technologies, this convenient feature eliminates the need for charging cords. An increasing number of smartphones have wireless charging either embedded or as an option.

A compatible device is one that is compliant with the Power Matters Alliance (PMA) or Wireless Power Consortium's (WPC) Qi Standard, meaning that it is equipped with a PMA or Qi wireless charge **"receiver"** that will work with the charge **"transmitter"** installed in

the vehicle. A device may use built-in charging circuitry or an adapter (an external plug-in device which contains the charging circuitry).

- See your phone retailer for details on required phone accessories.
- To check for phone or other device compatibility, Go to www.gmtotalconnect.com or in Canada, Go to www.gmtotalconnect.ca (English) or www.connexiontotalegm.ca (French).

Charging a Device



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Wireless inductive charging uses an electromagnetic field to transfer energy between two objects. The wireless inductive charging system charging pocket is located just in front of and below the armrest of the center console. The operating temperature range for the charging system is between -4°F (-20°C) and 140°F (60°C) and for the mobile device between 32°F (0°C) and 95°F (35°C).

To charge a compatible device, perform the following:

1. The vehicle must be in **ON/RUN, ACC/ACCESSORY or the Retained Accessory Power (RAP) mode must be Active**. The wireless charging feature may not correctly indicate charging when the vehicle is in **RAP**.

Notice: Undetected metal objects such as coins, keys, rings, and paper clips that are caught between the phone and the charger will become very hot. Allow any metallic object a sufficient amount of time to cool before attempting to remove it.

2. Remove all objects from the charging pocket. The system may not charge if there are any objects in the charging pocket.

3. Slowly insert the device into the charging pocket with the screen facing the rear of the vehicle until the **lightning bolt charging symbol** displays adjacent (approximately at the 10 o'clock position) to the **phone icon** on the infotainment screen.
4. The **lightning bolt charging symbol** will display on the infotainment screen when the device is charging.
 - ⇒ If a phone is inserted into the charging pocket and the **lightning bolt charging symbol** does not display, remove the phone from the charging pocket, turn it 180 degrees and wait three seconds before inserting the phone into the charging pocket again.

Air Bags

The 2016 Malibu is equipped with 10 standard air bags with an innovative 360-degree sensor system. For moderate frontal collisions the air bags deploy at less than full deployment which consists of stage 1 of the air bag. For more severe frontal collisions a full deployment is initiated which consists of stage 1 and stage 2 of the air bag.

The 10 air bags are located in the following positions:

- Steering wheel with dual inflators.
- Passenger side instrument panel with dual inflators.
- Driver side knee and passenger side knee.
- Driver side B-pillar and passenger side B-pillar.
- Driver side C-pillar and passenger side C-pillar.
- Left roof rail and right roof rail.

Chevrolet MyLink™

Chevrolet MyLink™ and Infotainment Options

Intuitive and customizable Chevrolet MyLink™ is now standard on the LS, LT and Premier trims.

The Malibu offers four different infotainment options. Availability varies based on the model and packages.



4329472

- **Radio with Base Faceplate and Short-Range Wireless Capability — RPO IP1**



4329485

- **Chevrolet MyLink™ with 7-inch Diagonal Color Touch-Screen Display — RPO IO1**



4329507

- **Chevrolet MyLink™ with 8-inch Diagonal Color Touch-Screen Display — RPO IO5**



4329642

- **Chevrolet MyLink™ with 8-inch Diagonal Color Touch-Screen Display and Navigation — RPO IO6**
- **Apple CarPlay™** puts iPhone® features on the vehicle's display in a smart, simple manner, allowing drivers to make calls, send and receive messages and listen to music right from the touchscreen or by voice via Siri®. Supported apps for Apple CarPlay™ include Phone, Messages, Maps, Music and compatible third-party apps. Compatible apps need to be downloaded to a phone before using. For a full list of supported apps visit: www.Apple.com/ios/carplay
- **Android Auto™** is built around Google Maps™, Google Now™ and the ability to talk to Google®, as well as a growing audio and messaging app ecosystem that includes WhatsApp, Skype, Google Play Music, Spotify, and podcast players.

Compatible apps need to be downloaded to a phone before using. For a full list of supported apps visit: www.Android.com/auto

Teen Driver

Teen Driver Operation and Report Card



4334561

The all-new Teen Driver feature, available with the 8-inch (203 mm) Chevrolet MyLink™ radios — RPO IO5 or IO6, allows parents to restrict certain vehicle functions to support safer driving and to view their children's driving statistics such as Maximum Speed, Warning Alerts, Distance Driven, Overspeed Warnings, Forward Collision Alerts, Forward Collision Avoidance Braking and Stability Control activations via a Report Card (shown).

Teen Driver Key

If equipped with the Teen Driver feature, it allows multiple keys to be registered for beginner drivers, to encourage safe driving habits. When the vehicle is started with a **Teen Driver** key, it will automatically activate certain safety systems, allow setting of some features, and limit the use of others. The Report Card will record vehicle data about driving behavior that can be viewed later. When the vehicle is started with a registered key, the Driver Information Center (DIC) displays a message that Teen Driver is active.

OnStar® with 4G LTE and Wi-Fi

With OnStar® 4G LTE and Wi-Fi, up to seven devices such as smartphones, tablets and laptops can be connected to high-speed Internet through the vehicle's built-in Wi-Fi hotspot.

To retrieve the SSID and password for the hotspot, press the OnStar® Voice Command button on the overhead console or rearview mirror, wait for the prompt, and then say "Wi-Fi settings." The information will be displayed on the screen.

The powerful OnStar® connection also enables improved access to existing OnStar® safety and security services, including the ability to transmit voice and data simultaneously. That means OnStar® advisors can run a diagnostic check without ever leaving the call, making customer interactions quicker and more seamless. It's the most comprehensive in-vehicle safety and connectivity system available.

For assistance, press the blue OnStar® button or call 1-888-4-ONSTAR (1-888-466-7827).

Towing/Trailer Towing/Recreational Vehicle Towing

Towing the Vehicle

Have the vehicle towed on a wheel lift tow truck. A flatbed car carrier could damage the vehicle. The wheel lift tow truck **must** raise the rear of the vehicle and wheel dollies must be used to lift the front wheels off the ground.

Trailer Towing

Ask your dealer for trailering information or advice, or contact us at our Customer Assistance Offices. Refer to the following:

- Chevrolet Motor Division
Chevrolet Customer Assistance Center
P.O. Box 33170
Detroit, MI 48232-5170
- www.Chevrolet.com
- 1-800-222-1020 **OR** 1-800-833-2438 (For Text Telephone Devices (TTYs))
- From the U.S. Virgin Islands call: 1-800-496-9994

- General Motors of Canada Company
Customer Care Centre, Mail Code: CA1-163-005
1908 Colonel Sam Drive
Oshawa, Ontario L1H 8P7
- www.gm.ca
- 1-800-263-3777 (English) **OR** 1-800-263-7854 (French) **OR** 1-800-263-3830 (For Text Telephone devices (TTYs))

Recreational Vehicle Towing — Dinghy/Dolly Towing

Dinghy towing is towing the vehicle with all four wheels on the ground. Dolly towing is towing the vehicle with two wheels on the ground and two wheels up on a device known as a dolly.

Dinghy Towing — 1.5L Engine Without Front Grille Active Shutters — RPO VRI

Vehicles with Active Shutters **CANNOT** be dinghy towed.

To dinghy tow the vehicle from the front with all four wheels on the ground perform the following:

1. Position the vehicle to tow and then secure it to the towing vehicle.
2. Start the engine and place the vehicle in **N** (Neutral).
3. Press Engine Start/Stop once to turn the engine **OFF**.
4. To prevent the battery from draining while the vehicle is being towed, remove fuses F10 and F41, from the instrument panel fuse block. Reinstall the fuses once the destination has been reached.

Dolly Towing — All Vehicles Except 1.5L Engine Without Front Grille Active Shutters — RPO VRI

Tow the vehicle with the two rear wheels on the ground and the front wheels on a dolly.

To tow the vehicle with two wheels on the ground and a dolly perform the following:

1. Put the front wheels on a dolly.
2. Put the shift lever in **P** (Park).
3. Secure the vehicle to the dolly.

Training Courses

Notice: Other Global Regions should refer to their local GM Training sources as applicable.

The majority of the systems found on this vehicle are taught in GM's core curriculum from a conceptual theory and operation perspective. The North American technical training core curriculum structure is system based.

To access **all** of the available training courses visit the following website:

- **In the United States, Go to > www.centerlearning.com**
- **In Canada, Go to > GM GlobalConnect and select "Centre of Learning"**

Training Course Name or System — Course Number and Description

Course Name or System	Course Number and Description
New Model Launch 2016 Chevrolet Malibu New Model Launch	#10316.50W 2016 Chevrolet Malibu New Model Launch (WBT) (United States and Canada)
Engines 1.5L Turbocharged with Stop/Start Technology — RPO LFV 2.0L Turbocharged — RPO LTG	#16440.20D Engines: New and Updates for RPO LF4, LGX, LGW, L3A, LV7, LE2, LWN and LWC: NOTE: LFV is Not Listed, But it is From the Same Engine Family as LE2 and L3A #16440.17D-V Engines: New and Updates for RPO LCV, LTG and LLO
Transmissions Hydra-Matic™ 6T40 6-Speed Automatic Transaxle — RPO MNH Aisin AF50-8 8-Speed Automatic Transaxle — RPO MRC	#17440.12D Transmissions: New and Updates: 6T40/45 #17041.52V 6T40/45 Unit Repair #17440.16D Transmissions: New and Updates for Aisin AF50-8, 8L45/8L90 Automatic Transmissions

Special Tools

Notice:

- Due to Aisin AF50-8 warranty exchange period, AF50-8 special tools will not be shipped to dealers until June, 2016.
- 1.5L Turbocharged — RPO LFV with Stop/Start Technology: Chevrolet Dealers received Special Tools earlier this year for the Spark and Volt that are applicable to this engine.
- 2.0L Turbocharged — RPO LTG: Chevrolet Dealers received Special Tools for this engine in 2013.
- Hydra-Matic™ 6T40 6-Speed Automatic Transaxle — RPO MNH: Chevrolet Dealers have already received Special Tools for this transmission.

The following new tools were released for the 2016 Malibu:

Tool #	Description
DT-51918	Bearing Cup Installer (Aisin AF50-8 8-Speed Automatic Transaxle — RPO MRC)
DT-51919	Bearing Cup Remover (Aisin AF50-8 8-Speed Automatic Transaxle — RPO MRC)
DT-51920	1st and Reverse Clutch Piston Return Spring Installer (Aisin AF50-8 8-Speed Automatic Transaxle — RPO MRC)
EL-51755	Inductive Charge Validation Tester

Version Information

Version	2
Modified	July 13, 2016 – Changes made to create 15-NA-085 Version 2: Added a Section Titled: Engine — Stop/Start System — RPO KL9, which includes a graphic and system operation information.

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