

MERCURY MARINER HYBRID_QUICK REFERENCE GUIDE



THE MERCURY MARINER HYBRID is 100% SUV and 100% Hybrid. It requires no special fuels and never has to be plugged in. All you have to do is get in and drive.

With all the confidence of an authentic Mercury SUV combined with the benefits of a full hybrid system, every Mercury Mariner Hybrid is equipped to help you go anywhere and do anything — now more efficiently than ever and in an environmentally conscious manner. In order to help you fully appreciate the features of your new vehicle and its unique characteristics, we invite you to explore this easy-to-use Quick Reference Guide.

This vehicle has unique driving characteristics to maximize its hybrid operation. Drive with care and wear a seatbelt at all times. Ford urges you to read the Owner's Guide and the Driving Your SUV or Truck Supplement for further information on safe driving precautions and instructions.

MERCURY MARINER_HYBRID OPERATION

Normal Vehicle Operation

Starting: Turn the ignition key to the START position while the vehicle is in (P) Park. The gas engine will turn on, but may shut off shortly after starting, depending on temperature and battery state of charge. This is a natural part of the Mariner Hybrid's fuel-saving features. You do not need to restart the vehicle. NOTE: If the vehicle is left inoperative for over 31 days — it may (but probably won't) be necessary to jump-start the vehicle. Your Mariner Hybrid is equipped with a high voltage battery jump-start feature in addition to the traditional 12V system. Consult your Owner's Guide for jump-start instructions.

Driving: The gas engine automatically starts and stops to provide power when it's needed and to save fuel when it's not. While coasting at low speeds, idling, or coming to a stop, the gas engine typically shuts down to conserve fuel and the vehicle operates in electric-only mode. The gas engine will kick in upon acceleration. Conditions that cause the engine to start up include:

- High voltage battery recharge required
- Driver acceleration demands additional power
- Overly hot or cold outside temperature, or if the battery is overly hot or cold, the engine may engage sooner than usual
- Ascending a hill, accelerating quickly, or when driving conditions require additional power
- The gasoline engine will not shut off if the climate control is set to MAX A/C, defrost mode or defrost / floor mode

The Mercury Mariner Hybrid is a whole new kind of SUV that combines electric and gasoline propulsion without compromise, to provide breakthrough performance and efficiency. It requires no special fuels and never has to be plugged in. Familiarizing yourself with these unique characteristics will ensure optimal performance from your new vehicle.

Stopping: The gas engine may shut off as you come to a stop to conserve fuel. Restarting the vehicle is not required. Simply step on the accelerator when you are ready to drive.

Transmission Operation: Due to the technologically advanced, electronically-controlled Continuously Variable Transaxle (eCVT) you will not feel shift changes like those of a traditional vehicle. The Mariner Hybrid's transmission is designed to do its work seamlessly.

Neutral: It is not recommended to idle the vehicle in (N) Neutral for extended periods of time because this will discharge your high voltage battery.

Low Gear: Slowing down in (L) Low gear may cause a sensation of engine braking during deceleration. Response during acceleration should be the same as in (D) Drive position.

Reverse: (R) Reverse gear vehicle speed is limited to 22 mph (35 km/h) until shifted to a non-reverse gear. In most cases, the vehicle will operate in electric-only mode while in (R) Reverse.



Unique Hybrid Operating Characteristics

Battery: The Mercury Mariner Hybrid is equipped with a high voltage battery temperature management system in the rear of the vehicle. This system cools the battery in order to ensure battery life and optimize high voltage battery performance. You may hear a slight tap sound as the vent door operates. In addition, you may hear a fan noise in the rear of the vehicle. This is the temperature management fan. These noises are a customary part of hybrid operation and do not require service. The hybrid high voltage battery may go through a self-reconditioning process from time-to-time, to optimize high voltage battery performance. You may notice slight changes in drivability during the reconditioning process. This is an important part of the Mariner Hybrid's high voltage battery optimizing features.

Engine: The engine speed in a hybrid is not directly tied to the vehicle speed. Under certain conditions the engine speed, as indicated on the tachometer while driving, may appear much higher than that of a conventional automobile. This is caused by engine speed optimization to maximize fuel economy. In prolonged mountainous driving, you may also see the engine tachometer slowly moving up and down. This is done to maintain the battery. You may also hear a slight whine or whistle when operating your vehicle. This is the normal operation of the electric generator in the hybrid system. If your 12V battery should become disconnected, you may experience engine spin for 3-5 seconds after the key is turned to the OFF position, for the next key cycle only. The computer is relearning the start up characteristics of your vehicle.

Driving to Optimize Fuel Economy

As with any vehicle, fuel economy can be significantly impacted by your driving habits and accessory usage. To maximize fuel economy, try to extend the length of time you run in electric mode by lightly accelerating the vehicle. The longer you keep the engine from starting, the better the fuel economy you will achieve.

Please be aware of the following vehicle functions which reduce fuel economy performance:

Tire Inflation: Keep tires properly inflated and use only recommended size.

Climate Control: With the climate control system set to MAX A/C, defrost and defrost/floor mode (the orange graphics on your climate control), the gas engine will run continuously, reducing fuel economy. The A/C mode is more fuel-efficient than the MAX A/C mode.

Driver Habits: Rapid starts (jackrabbit starts), towing, and heavy loads all impact the amount of energy required to move the vehicle. In general, better fuel economy is achieved during moderate acceleration and deceleration, as opposed to aggressive acceleration and deceleration. This is true regardless of the mode in which you're operating.


- Do not carry extra loads
- Do not decrease aerodynamics
- Use speed control
- Observe posted speed limits
- Keep engine tuned

INSTRUMENT PANEL_FEATURES

01. FOG LAMP CONTROL Press the control to activate the fog lamps during headlamp operation. Press the control again to deactivate the fog lamps. The fog lamps will not operate when the high beams are activated.

02. POWER SIDE VIEW MIRRORS Rotate clockwise to adjust the right mirror or counterclockwise to adjust the left mirror. Then, move the control in the direction you wish to tilt the mirror. Return the control to the center position to lock the mirror in place. To adjust the power side view mirrors, the ignition must be in the RUN position.

03. SPEED CONTROL To operate, the speed control must be ON and the vehicle's speed must be over 30 mph (48 km/h). To set a speed, press SET ACC. To set a higher speed, press SET ACC again. To set a lower speed, press CST. Pressing RSM will return to the previously set speed. To disengage the speed control, depress the brake pedal. To turn off the speed control, press the OFF button.

04. ABS WARNING LAMP  Illuminates briefly when ignition is turned to the RUN position. If the light remains on for more than a few seconds, an ABS fault is indicated. Normal braking is still functional unless the brake warning light is also illuminated.


05 BATTERY GAUGE The battery gauge provides information about your vehicle's energy usage. When the pointer is directed at ASSIST, this means the battery is providing extra power to boost the vehicle's acceleration. When it's pointing to CHARGE, extra energy is being stored in the battery while idling, coasting or slowing down. When you press the brake pedal, the pointer swings counterclockwise into the CHARGE zone to report that regenerative braking is underway. If the needle does not move when braking, the battery is fully charged.


06 TACHOMETER Engine RPMs are indicated by the tachometer. When the vehicle operates in pure electric mode, the tachometer pointer drops below the zero mark where it points at a special symbol labeled EV for electric vehicle. Driving with your tachometer pointer continuously at the top of the scale may damage the engine.


07. MESSAGE CENTER When the ignition is in the RUN position, the message center in your vehicle's instrument cluster will display information on your vehicle's operating functions, as well as warning messages. There are two selectable features, located on the center console, for your message center: SET


and INFO. SET is used to select and reset various functions shown in the INFO menu. INFO displays a menu which consists of average fuel economy (if equipped), distance to empty, instantaneous fuel economy (if equipped), high voltage battery status, units (English/metric), language, system check and INFO display on/off.

08. TILT STEERING WHEEL LEVER Push the tilt steering wheel lever downward to unlock the steering wheel. Then move the steering wheel up or down. Pull the lever up into the original position to lock the steering wheel. Never adjust the steering wheel while the vehicle is moving.



09. READY INDICATOR  Illuminates after the vehicle has successfully started. The vehicle is ready to drive even if you don't hear the engine running.

10. SERVICE SOON  Illuminates when the vehicle has detected a malfunction. Report the fault to your Hybrid certified dealer at the earliest opportunity.

11. MASTER VEHICLE WARNING Lamp:  Electrical Hazard Warning Lamp: Indicates a major hybrid component failure or other major vehicle failure that will cause the vehicle to shut down or fail to start. Please see your Owner's Guide for additional information.

12. SERVICE ENGINE SOON LAMP  Illuminates briefly when the ignition is turned to the RUN position. Solid illumination after start indicates the on board diagnostics system has detected a malfunction. Have your vehicle serviced immediately at a Hybrid certified dealer.

13. FRONT AND REAR WIPER / WASHER CONTROL Front: Move the control down one position for intermittent operation. Rotate the speed control up for fast intervals and down for slow intervals. Move the control down two positions from OFF for normal or low-speed wiper operation. Move the control down three positions from OFF for high-speed wiper operation.

Pull the control toward you to activate the windshield washer. Release the control to stop washer fluid spray. Move the control up and release for one wipe with mist. **Rear:** Rotate the end of the control upward to the  position for intermittent operation. Adjust the speed control for fast or slow intervals. Rotate the control upward to ON for normal-speed operation. Rotate the control down to the  position and release to activate the rear washer.

14. AUXILIARY POWER Point (12V) The 12V power point outlet, located in the floor console, is designed for accessory plugs only. Do not insert any other object; damage may occur and blow the fuse. This power outlet may require an adapter in order

to plug in an electric device.

15. REAR WINDOW DEFROSTER CONTROL Push to clear the rear window of thin ice and frost. The rear window defroster turns off automatically after 15 minutes or when the ignition is turned off. To manually turn off the defroster, push the control.

16. PASSENGER AIRBAG OFF The passenger airbag off indicator, located just below the radio, will illuminate when the passenger's frontal airbag is off. Please see your Owner's Guide for additional information.





MERCURY | NEW DOORS OPENED

FORD MOTOR COMPANY

Customer Relationship Center
P.O. Box 6248
Dearborn, MI 48121
1-800-392-3673 (FORD)
(TDD for the hearing impaired: 1-800-232-5952)

This Quick Reference Guide is not intended to replace your Owner's Guide which contains more detailed information concerning the features of your vehicle, as well as important safety warnings designed to help reduce the risk of injury to you and your occupants. Please read your entire Owner's Guide carefully as you begin learning about your new vehicle and refer to the appropriate sections when questions arise.

All information contained in this Quick Reference Guide was accurate at the time of duplication. We reserve the right to change features, operation and/or functionality of any vehicle specification at any time. Your Mercury dealer is the best source for the most current information.

For detailed operating and safety information, please consult your Owner's Guide.



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01. FAN SPEED CONTROL Rotate the knob to adjust the speed of air that is circulated in the vehicle.

02. MAX A/C With the climate system set to MAX A/C, the engine will run continuously, reducing fuel economy.

03. A/C RECIRCULATION Distributes recirculated air through the instrument panel vents to cool the vehicle.

04. A/C Outside air flows from the instrument panel vents to cool the vehicle. When A/C mode is selected, you may notice the air temperature cycle from cooler to warmer as the gas engine turns on and off. When in electric mode, the fan will still blow air in the cabin, but no heat will be removed by the air conditioner.

05. PANEL Distributes outside air through the instrument panel vents only.

06. OFF Outside air is shut out and the climate control system is turned off.

07. PANEL AND FLOOR Distributes outside air through the instrument panel vents and floor vents.

08. FLOOR Distributes outside air through the floor vents only.

09. FLOOR AND DEFROST Distributes outside air through the windshield defroster vents and the floor vents. This feature will cause the gas engine to run

continuously, reducing fuel economy.

10. DEFROST Distributes outside air through the windshield defroster vents. With the climate system set to defrost mode, the engine will run continuously, reducing fuel economy.

11. TEMPERATURE CONTROL Rotate the knob to adjust the temperature of the airflow inside the vehicle.



RADIO CONTROLS

01. AM/FM Pressing AM/FM in navigation mode will return the system to the audio screen.

02. SEEK Use to find the next/previous listenable radio station or to advance tracks, if in CD mode.

03. MEMORY PRESETS Stores favorite AM/FM stations and allows CD access when in CD DJ mode. To store, press and hold until PRESET SAVED appears in display.

NAVIGATION CONTROLS

04. FUEL ECONOMY FUNCTION Press to view average and instantaneous fuel economy screen.

05. HOME Press and hold the HOME key to store current vehicle location as home. Pressing HOME after the home location has been set will calculate a route to return to that set home location when in navigation mode.

06. ENERGY FLOW FUNCTION Press for status of engine and battery. To disengage, press the control again. Your

energy flow screen displays how power is used and transferred between the electric motor, the high voltage battery, and the gasoline engine. It also indicates which mode you are currently operating in. Please see your Owner's Guide for more information.

07. CURRENT LOCATION Press for information on current location.

08. NAVIGATION Press NAV to access the navigation system menu. Make sure the vehicle is in (P) Park before you enter a destination.

09. MAP The control works in all modes. Press MAP to show current location.

10. BACK Works only in navigation mode. Press to return to the previous screen.

11. ENTER Use ENTER to view a menu in the navigation system. Press the control up, down, left, or right to highlight an item in the display. Press the center of the control to make selection. NOTE: With this system, the Six CD Changer is located under the passenger seat.



01. BAND Press to select AM, FM1 or FM2 frequency bands.

02. CD Press to enter CD mode. If a CD is already loaded into the system, the CD play will begin where it last ended.

03. ON/OFF/VOLUME CONTROL Press to turn ON or OFF. Turn to increase or decrease volume.

04. SAT (if equipped) Your Audiophile radio comes Satellite ready. The kit to enable the Satellite reception is available through your Mercury dealer.

05. SCAN FUNCTION Press for a brief sampling of radio stations or CD/MP3 tracks. Press again to stop.

06. DISC / TUNE Press to go up or down the radio frequency or to select a desired disc. In menu mode, press SEL to select various settings.

07. FOLDER Press to access the next/previous directory.

08. SEEK FUNCTION Press to access the next listenable station or track.

09. SHUFFLE FUNCTION Press to play CD/MP3 tracks in random order when active (on). Press to show shuffle status. Press again to toggle status.

10. REPEAT Press to repeat current CD/MP3 track when active (on). Press to show repeat status. Press again to toggle status.

SETTING MEMORY PRESETS To set a station: Select frequency band AM, FM1 or FM2. Tune to a station, then press and hold one of the

six numbered preset buttons until the sound returns.

SPEED SENSITIVE VOLUME This audio system may have speed sensitive volume control. For more information on its features and functions, please consult your Owner's Guide.

SETTING THE CLOCK Press MENU until SELECT HOUR or SELECT MINS is displayed. Use SEL and the up / down arrows to adjust the hours / minutes.

ESSENTIAL INFORMATION

Fuel Tank Capacity: Your vehicle is equipped with a 15-gallon (56.8L) fuel tank.

Octane Recommendations: Your vehicle is designed to use "Regular" unleaded gasoline with a pump octane rating of 87 for optimum performance. Using gasoline with lower octane ratings may decrease performance.

Tire Pressure: Your tire pressure is properly set at the dealership according to the recommended specifications found on the Certification Label located on the driver's side front door latch pillar, the trailing edge of the driver's door or the edge of the driver's door. Tire pressure information can also be found on the Tire Information Label on the driver's side front door latch pillar or the edge of driver's door. Please check your tire pressure during routine maintenance and seasonal changes. Your vehicle is equipped with a tire pressure monitoring system (TPMS) that illuminates a low tire pressure warning light when one or more tires is significantly under-inflated.

WARNING: Improperly inflated tires can affect vehicle handling and can fail suddenly, resulting in a possible loss of vehicle control.

Special Service Notes: This vehicle has unique service intervals — please check your Owner's Guide for proper service intervals. Your vehicle is equipped with a rear air filter that must be inspected or replaced at every service interval to avoid damage to the hybrid system. Special caution is required when servicing brake pads. Please refer to the Owner's Guide and/or Service Manual for information on servicing brake pads.



Fuel Pump / High Voltage Shut-off Switches: The fuel pump shut-off switch is located in the front

passenger's footwell behind the flip-up cover. The high voltage shut-off switch is located in the rear passenger side of the vehicle, in the jack compartment behind the jack access door. These switches provide added protection by discontinuing fuel to the engine and by shutting off power to the high voltage battery in case of an accident.

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