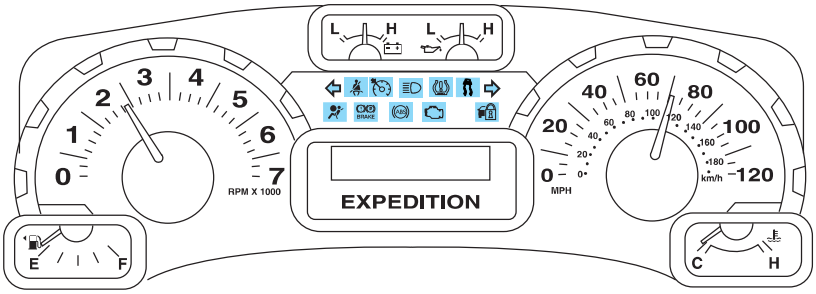
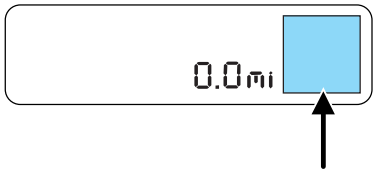
WARNING LIGHTS AND CHIMES

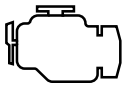


Warning lights and gauges can alert you to a vehicle condition that may become serious enough to cause expensive repairs. A warning light may illuminate when a problem exists with one of your vehicle's functions. Many lights will illuminate when you start your vehicle to make sure the bulb works. If any light remains on after starting the vehicle, refer to the respective system warning light for additional information.

Note: Some warning lights are reconfigurable telltale (RTT) indicator lights and will illuminate in the message center. These lights function the same as the other warning lights.



Service engine soon: The service engine soon indicator light illuminates when the ignition is first turned to the on position to check the bulb and to indicate whether the vehicle is ready for Inspection/Maintenance (I/M) testing. Normally, the service engine soon light will stay on until the engine is cranked, then turn itself off if no malfunctions are present. However, if after 15 seconds the service engine soon light blinks eight times, it means that the vehicle is not ready for I/M testing. See the *Readiness for Inspection/Maintenance (I/M) testing* in the *Maintenance and Specifications* chapter.



Solid illumination after the engine is started indicates the On Board Diagnostics System (OBD-II) has detected a malfunction. Refer to *On board diagnostics (OBD-II)* in the *Maintenance and Specifications*

chapter. If the light is blinking, engine misfire is occurring which could damage your catalytic converter. Drive in a moderate fashion (avoid heavy acceleration and deceleration) and have your vehicle serviced immediately by your authorized dealer.

WARNING: Under engine misfire conditions, excessive exhaust temperatures could damage the catalytic converter, the fuel system, interior floor coverings or other vehicle components, possibly causing a fire.

Powertrain malfunction/reduced power (RTT) (if equipped): Displays when the vehicle has defaulted to a "limp-home" operation. Report the fault to a dealer at the earliest opportunity.

Brake system warning light: To confirm the brake system warning light is functional, it will momentarily illuminate when the ignition is turned to the on position when the engine is not running, or in a position between on and start, or by applying the parking brake when the ignition is turned to the on position. If the brake system warning light does not illuminate at this time, seek service immediately from your authorized dealer. Illumination after releasing the parking brake indicates low brake fluid level and the brake system should be inspected immediately by your authorized dealer.

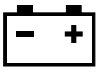
WARNING: Driving a vehicle with the brake system warning light on is dangerous. A significant decrease in braking performance may occur. It will take you longer to stop the vehicle. Have the vehicle checked by your authorized dealer. Driving extended distances with the parking brake engaged can cause brake failure and the risk of personal injury.

Anti-lock brake system: If the ABS light stays illuminated or continues to flash, a malfunction has been detected, have the system serviced immediately by your authorized dealer. Normal braking is still functional unless the brake warning light also is illuminated.

Airbag readiness: If this light fails to illuminate when the ignition is turned to on, continues to flash or remains on, have the system serviced immediately by your authorized dealer. A chime will sound when there is a malfunction in the indicator light.

Safety belt: Reminds you to fasten your safety belt. A Belt-Minder® chime will also sound to remind you to fasten your safety belt. Refer to the *Seating and Safety Restraints* chapter to activate/deactivate the Belt-Minder® chime feature.

Charging system (RTT): Illuminates when the battery is not charging properly. If it stays on while the engine is running, there may be a malfunction with the charging system. Contact your authorized dealer as soon as possible. This indicates a problem with the electrical system or a related component.



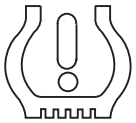
Security/anti-theft system: Flashes when the SecuriLock® passive anti-theft system has been activated.

Engine oil pressure (RTT): Displays when the oil pressure falls below the normal range. Refer to *Engine oil* in the *Maintenance and Specifications* chapter.

Engine coolant temperature (RTT): Displays when the engine coolant temperature is high. Stop the vehicle as soon as safely possible, switch off the engine and let it cool. Refer to *Engine coolant* in the *Maintenance and Specifications* chapter.

WARNING: Never remove the coolant reservoir cap while the engine is running or hot.

Low tire pressure warning (if equipped): Illuminates when your tire pressure is low. If the light remains on at start up or while driving, the tire pressure should be checked. Refer to *Inflating your tires* in the *Tires, Wheels and Loading* chapter. When the ignition is first turned to on, the light will illuminate for three seconds to ensure the bulb is working. If the light does not turn on or begins to flash, have the system inspected by your authorized dealer. For more information on this system, refer to *Tire pressure monitoring system (TPMS)* in the *Tires, Wheels and Loading* chapter.



Low fuel (RTT) (if equipped): Displays when the fuel level in the fuel tank is at or near empty (refer to *Fuel gauge* in this chapter).

Low washer fluid (RTT) (if equipped): Displays when the windshield washer fluid is low.

Transmission Tow/Haul Feature (RTT): Displays when the Tow/Haul feature has been activated. Refer to the *Driving* chapter for transmission function and operation. If the light flashes steadily, have the system serviced immediately, damage to the transmission could occur.

AdvanceTrac® (if equipped): Displays when the AdvanceTrac® with RSC® system is active. If the light remains on, have the system serviced immediately, refer to the *Driving* chapter for more information.

Speed control: Illuminates when the speed control is activated. Turns off when the speed control system is deactivated.

4X2 (RTT) (if equipped): Displays momentarily when two-wheel drive high is selected. If the light fails to display when the ignition is turned on, or remains on, have the system serviced immediately by your authorized dealer.

4x2

Four-wheel drive low (RTT) (if equipped): Displays when four-wheel drive low is engaged. If the light fails to display when the ignition is turned on, or remains on, have the system serviced immediately by your authorized dealer.

4x4
LOW

Four-wheel drive (RTT) (if equipped): Displays when four-wheel drive is engaged. If the light fails to display when the ignition is turned on, or remains on, have the system serviced immediately by your authorized dealer.

4x4

Four-wheel drive auto (RTT) (if equipped): Displays when four-wheel drive automatic mode is engaged. If the light fails to display when the ignition is turned on, or remains on, have the system serviced immediately by your authorized dealer.

4x4
AUTO

Door ajar (RTT) (if equipped): Displays when the ignition is in the on position and any door, liftgate or the liftgate glass is open.

Turn signal: Illuminates when the left or right turn signal or the hazard lights are turned on. If the indicators stay on or flash faster, check for a burned out bulb.

High beams: Illuminates when the high beam headlamps are turned on.

Key-in-ignition warning chime (if equipped): Sounds when the key is left in the ignition in the off or accessory position and the driver's door is opened.

Headlamps on warning chime: Sounds when the headlamps or parking lamps are on, the ignition is off (the key is not in the ignition) and the driver's door is opened.

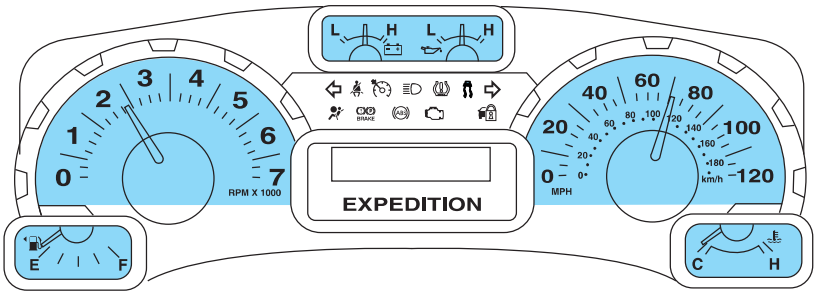
Parking brake on warning chime: Sounds when the parking brake is set, the engine is running and the vehicle is driven more than 3 mph (5 km/h).

Turn signal chime: Sounds when the turn signal lever has been activated to signal a turn and not turned off after the vehicle is driven more than 1.5 miles (2.4 km).

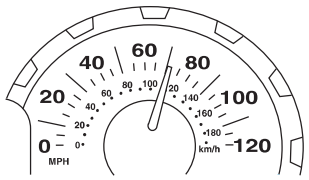
Message center activation chime: Sounds when some warning messages appear in the message center display for the first time.

Reverse warning chime (if equipped): Sounds when the vehicle is in R (Reverse). Refer to the *Driving* chapter for more information.

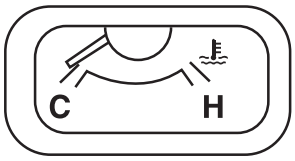
GAUGES



Speedometer: Indicates the current vehicle speed.



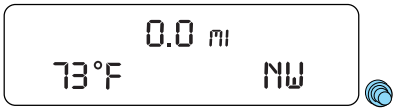
Engine coolant temperature gauge: Indicates engine coolant temperature. At normal operating temperature, the needle will be in the normal range (between “H” and “C”). If it enters the red section, the engine is overheating. Stop the vehicle as soon as safely possible, switch off the engine and let the engine cool.



WARNING: Never remove the coolant reservoir cap while the engine is running or hot.

Odometer: Registers the total miles (kilometers) of the vehicle.

- With standard message center



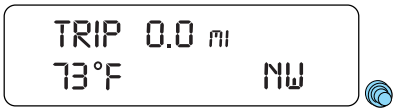
- With optional message center

Refer to *Message center* in this chapter for information on how to switch the display from Metric to English.

Trip odometer: Registers the miles (kilometers) of individual journeys.

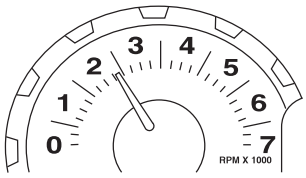
- With standard message center

Press the SELECT/RESET stem once to switch from the odometer to the trip odometer. Press the stem again to select trip A and trip B features. To reset the trip, press and hold the stem until it resets.

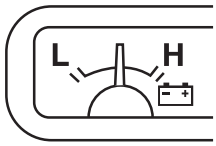


- With optional message center: see *TRIP A/B* under *Message center* in this chapter.

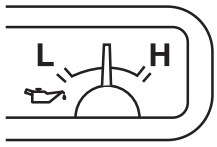
Tachometer: Indicates the engine speed in revolutions per minute. Driving with your tachometer pointer continuously at the top of the scale may damage the engine.



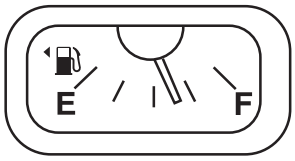
Battery voltage gauge: Indicates the battery voltage when the ignition is in the on position. If the pointer moves and stays outside the normal operating range, have the vehicle's electrical system checked by your authorized dealer as soon as possible.



Engine oil pressure gauge: Indicates engine oil pressure. The needle should stay in the normal operating range (between "L" and "H"). If the needle falls below the normal range, stop the vehicle, turn off the engine and check the engine oil level. Add oil if needed. If the oil level is correct, have your vehicle checked by your authorized dealer.



Fuel gauge: Indicates approximately how much fuel is left in the fuel tank (when the ignition is in the on position). The fuel gauge may vary slightly when the vehicle is in motion or on a grade.



Refer to *Filling the tank* in the *Maintenance and Specifications* chapter for more information.

The fuel icon and arrow indicates which side of the vehicle the fuel door is located.

STANDARD MESSAGE CENTER (IF EQUIPPED)

Your vehicle's message center is capable of monitoring many vehicle systems and will alert you to potential vehicle problems and various conditions with an informational message followed by a long indicator chime.

The message center display is located in the instrument cluster.

Selectable features (information menu)

Press and release the SELECT/RESET stem to scroll and reset the following functions. Reset the function by a single press of the SELECT/RESET stem for more than two seconds.

TRIP

Registers the distance of individual journeys. Press and release the SELECT/RESET stem on the cluster to toggle between odometer and trip odometer display. To reset, press and hold for less than two seconds.

MYKEY MILES (km) (if programmed)

For more information, refer to *MyKey™* in the *Locks and Security* chapter.

MILES (km) TO E

This displays an estimate of approximately how far you can drive with the fuel remaining in your tank under normal driving conditions. Remember to turn the ignition off when refueling to allow this feature to correctly detect the added fuel.

LOW FUEL LEVEL will display when you have approximately 50 miles (80 km), to empty. Press RESET to clear this warning message. It will return at approximately 25 miles (40 km), 10 miles (16 km) and 0 miles (0 km) miles to empty.

Distance to empty is calculated using a running average fuel economy, which is based on your recent driving history of 500 miles (800 km). This value is not the same as the average fuel economy display. The running average fuel economy is re-initialized to a factory default value if the battery is disconnected.

AVG MPG (L/100km)

Average fuel economy displays your average fuel economy in miles/gallon or liters/100 km.

If you calculate your average fuel economy by dividing distance traveled by gallons of fuel used (liters of fuel used by 100 kilometers traveled), your figure may be different than displayed for the following reasons:

- Your vehicle was not perfectly level during fill-up
- Differences in the automatic shut-off points on the fuel pumps at service stations
- Variations in top-off procedure from one fill-up to another
- Rounding of the displayed values to the nearest 0.1 gallon (liter)

To determine your average highway fuel economy, do the following:

1. Drive the vehicle at least 5 miles (8 km) with the speed control system engaged to display a stabilized average.

2. Record the highway fuel economy for future reference.

It is important to press the SELECT/RESET stem (press and hold for two seconds in order to reset the function) after setting the speed control to get accurate highway fuel economy readings.

XX°F / XX°C

The outside air temperature is shown together with the compass heading in the bottom row of the message center display. Refer to *Units* in this section for information on selecting °F or °C.

COMPASS DISPLAY (if equipped)

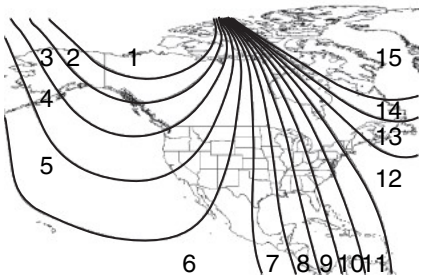
The compass heading is displayed as one of N, NE, E, SE, S, SW, W and NW in the message center display.

The compass reading may be affected when you drive near large buildings, bridges, power lines and powerful broadcast antenna. Magnetic or metallic objects placed in, on or near the vehicle may also affect compass accuracy.

Usually, when something affects the compass readings, the compass will correct itself after a few days of operating your vehicle in normal conditions. If the compass still appears to be inaccurate, a manual calibration may be necessary. Refer to *Compass calibration adjustment.*

Most geographic areas (zones) have a magnetic north compass point that varies slightly from the northerly direction on maps. This variation is up to four degrees between adjacent zones and will become noticeable as the vehicle crosses multiple zones. A correct zone setting will eliminate this error. Refer to *Compass zone adjustment.*

Compass zone adjustment



1. Determine which magnetic zone you are in for your geographic location by referring to the zone map.

2. Press and release the SELECT/RESET stem to scroll through the information menu until the message center displays HOLD RESET FOR SETUP MENU.

3. Press and hold the SELECT/RESET stem until the message center displays HOLD RESET FOR SYSTEM CHECK. Do not hold the stem down at this point as you do not want to enter the system check. Instead, quickly release the stem and repeatedly press it again to scroll through the setup menu until the message center displays COMPASS ZONE XX.

4. Press and hold the SELECT/RESET stem for approximately two seconds to enter the compass zone adjustment mode.

5. Press and release the SELECT/RESET stem until the desired zone number appears.

6. Release the SELECT/RESET stem and allow the setup timer to expire to exit the procedure.

Compass calibration adjustment

NOTE: For optimum calibration, drive to an open, level location away from large metallic objects or structures. Switch off all non-essential electrical accessories (heated rear window, heater, A/C, map lamps, wiper, etc.) and make sure all the doors are closed.

1. Start the vehicle.

2. Press and release the SELECT/RESET stem to scroll through the information menu until the message center displays HOLD RESET FOR SETUP MENU.

3. Press and hold the SELECT/RESET stem for approximately two seconds until the message center displays HOLD RESET FOR SYSTEM CHECK. Do not hold the stem down at this point as you do not want to enter the system check. Instead, quickly release the stem and repeatedly press it again to scroll through the setup menu until the message center displays COMPASS ZONE XX.

4. Press and hold the SELECT/RESET stem for approximately two seconds until the message center enters the compass zone adjustment mode.

5. Press and hold the SELECT/RESET stem until the message center displays CIRCLE SLOWLY TO CALIBRATE. This step may require up to five circles to complete the calibration.

NOTE: If the SELECT/RESET stem is pressed during the calibration or three minutes has elapsed since the beginning of the calibration without driving the vehicle, the message center reverts back to normal operation and the CAL will display until a successful calibration is carried out.

6. Slowly drive the vehicle in a circle less than 3 mph (5 km/h) until the CIRCLE SLOWLY TO CALIBRATE message changes to CALIBRATION COMPLETED.

Setup menu (vehicle customization and vehicle system check)

HOLD RESET FOR SETUP MENU

Press and hold the SELECT/RESET stem to get into the setup menu sequence for the following displays:

Note: When returning to the SETUP menu and a non-English language has been selected, HOLD RESET FOR ENGLISH will be displayed to change back to English. Press and hold the SELECT/RESET stem to change back to English.

HOLD RESET FOR SYSTEM CHECK

Press and hold the SELECT/RESET stem to start the system check when HOLD RESET FOR SYSTEM CHECK is displayed in the message center. For each of the monitored systems, the message center will indicate either an ok message or a warning message for two seconds. Pressing the SELECT/RESET stem cycles the message center through each of the systems being monitored.

Note: Some systems show a message only if a condition is present.

1. OIL LIFE
2. CHARGING SYSTEM
3. WASHER FLUID LEVEL
4. DOOR/LIFTGATE/GLASS AJAR
5. BRAKE SYSTEM
6. TIRE PRESSURE
7. FUEL LEVEL (will only display if 50 miles or less to empty)
8. MYKEY DISTANCE (if programmed)
9. MYKEY(S) PROGRAMMED
10. ADMIN KEYS PROGRAMMED

OIL LIFE

This displays the remaining oil life.

An oil change is required whenever indicated by the message center and according to the recommended maintenance schedule. USE ONLY RECOMMENDED ENGINE OILS.

To reset the oil monitoring system to 100% after each oil change perform the following:

1. Press and release SETUP to display “OIL LIFE XXX% HOLD RESET = NEW”.

2. Press and hold RESET for two seconds and release to reset the oil life to 100%.

Note: To change oil life 100% value to another value, proceed to Step 3.

3. Once “OIL LIFE SET TO XXX%” is displayed, release and press RESET to change the Oil Life Start Value. Each release and press will reduce the value by 10%.

UNITS ENG / METRIC

Displays the current units English or Metric.

Press and hold the SELECT/RESET stem to change from English to Metric.

Press the SELECT/RESET stem for the next SETUP MENU item or wait for more than four seconds to return to the INFO MENU.

AUTOLAMP

This feature keeps your headlights on for up to three minutes after the ignition is switched off.

Press the RESET control to select the new Autolamp delay values of 0, 10, 20, 30, 60, 90, 120 or 180 seconds.

AUTOLOCK

This feature automatically locks all vehicle doors when the vehicle is shifted into any gear, putting the vehicle in motion.

Press the RESET control to turn autolock on or off.

AUTOUNLOCK

This feature automatically unlocks all vehicle doors when the driver’s door is opened within 10 minutes of the ignition being turned off.

Press the RESET control to turn autounlock on or off.

TRAILER SWAY (if equipped)

This feature uses the electronic stability control to mitigate trailer sway,

Press the RESET control to turn trailer sway on or off.

CREATE MYKEY / MYKEY SETUP / CLEAR MYKEY

For more information refer to *MyKey™* in the *Locks and Security* chapter.

LANGUAGE = ENGLISH / SPANISH / FRENCH

Allows you to choose which language the message center will display in. Selectable languages are English, Spanish, or French.

Note: When entering the SETUP MENU and a non-English language has been selected, "PRESS RESET FOR ENGLISH" will be displayed to change back to English.

Press and hold the SELECT/RESET stem to select a new language. Selectable languages are English, Spanish and French

Press and hold the RESET button for two seconds to set the language choice.

Press the SELECT/RESET stem for the next SETUP MENU item or wait for more than four seconds to return to the INFO MENU.

System warnings

System warnings alert you to possible problems or malfunctions in your vehicle's operating systems.

In the event of a multiple warning situation, the message center will cycle the display to show all warnings by displaying each one for four seconds.

The message center will display the last selected feature if there are no more warning messages.

Types of messages and warnings:

- Some messages will appear briefly to inform you of something you may need to take action on or be informed of.
- Some messages will appear once and then again when the vehicle is restarted.
- Some messages will reappear after clearing or being reset if a problem or condition is still present and needs your attention.
- Some messages can be acknowledged and reset by pressing the SELECT/RESET stem. This allows you to use the full message center functionality by clearing the message.

DOOR AJAR — Displayed when a door is not completely closed.

LIFTGATE / GLASS AJAR — Displayed when the liftgate or the liftgate glass is not completely closed.

CHECK CHARGING SYSTEM — Displayed when the electrical system is not maintaining proper voltage when the engine is running. If you are operating electrical accessories when the engine is idling at a low speed, turn off as many of the electrical loads as soon as possible. If the warning stays on or comes on when the engine is operating at normal speeds, have the electrical system checked as soon as possible.

PARK BRAKE ENGAGED — Displayed when the parking brake is set, the engine is running and the vehicle is driven more than 3 mph (5 km/h). If the warning stays on after the parking brake is released, contact your authorized dealer as soon as possible.

CHECK BRAKE SYSTEM — Displayed when the braking system is not operating properly. If the warning stays on or continues to come on, contact your authorized dealer as soon as possible.

CHECK FUEL FILL INLET — Displayed when the fuel fill inlet may not be properly closed. Refer to *Easy Fuel™ "no cap" fuel system* in the *Maintenance and Specifications* chapter.

LOW TIRE PRESSURE — Displayed when one or more tires on your vehicle have low tire pressure. Refer to *Inflating your tires* in the *Tires, Wheels and Loading* chapter.

TIRE PRESSURE MONITOR FAULT — Displayed when the Tire Pressure Monitoring System is malfunctioning. If the warning stays on or continues to come on, contact your authorized dealer as soon as possible.

TIRE PRESSURE SENSOR FAULT — Displayed when a tire pressure sensor is malfunctioning, or your spare tire is in use. For more information on how the system operates under these conditions, refer to *Understanding your Tire Pressure Monitoring System (TPMS)* in the *Tires, Wheels and Loading* chapter. If the warning stays on or continues to come on, contact your authorized dealer as soon as possible.

4X4 SHIFT IN PROGRESS (if equipped) — Displayed when the 4X4 system is making a shift. For further information, refer to *Control Trac® four-wheel drive (4x4) operation* in the *Driving* chapter.

FOR 4X4 LOW SLOW TO 3 MPH (if equipped) — Displayed when 4X4 LOW is selected while the vehicle is moving. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

FOR 4X4 LOW SHIFT TO N (if equipped) — Displayed when 4X4 LOW is selected and the vehicle is stopped. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

TO EXIT 4X4 LOW SLOW TO 3 MPH (if equipped) — Displayed when 2WD is selected while the vehicle is operating in 4X4 LOW. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

TO EXIT 4X4 LOW SHIFT TO N (if equipped) — Displayed when 2WD is selected while the vehicle has been stopped in 4X4 LOW. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

SHIFT DELAYED PULL FORWARD (if equipped) — May display when shifting to or from 4X4 LOW. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

TRAILER SWAY REDUCE SPEED(if equipped) — Displayed when the trailer sway control has detected trailer sway. For more information, refer to the *Driving* chapter for more information.

BRAKE FLUID LEVEL LOW — Indicates the brake fluid level is low and the brake system should be inspected immediately. Refer to *Brake fluid* in the *Maintenance and Specifications* chapter.

XXX MILES TO E FUEL LEVEL LOW — Displayed as an early reminder of a low fuel condition.

WASHER FLUID LEVEL LOW — Indicates the washer fluid reservoir is less than one quarter full. Check the washer fluid level. Refer to *Windshield washer fluid* in the *Maintenance and Specifications* chapter.

ENGINE OIL CHANGE SOON — Displayed when the engine oil life remaining is 10% or less.

OIL CHANGE REQUIRED — Displayed when the oil life left reaches 0%.

MYKEY ACTIVE DRIVE SAFELY — Displayed at startup when MyKey™ is in use. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

KEY COULD NOT PROGRAM — Displayed when an attempt is made to program a spare key using two existing MyKeys. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

VEHICLE SPEED 80 MPH MAX — Displayed when a MyKey™ is in use and the Admin has enabled the MyKey speed limit and the vehicle speed is 80 mph (130 km/h). Refer to *MyKey™* in the *Locks and Security* chapter for more information.

SPEED LIMITED TO 80 MPH — Displayed when starting the vehicle and MyKey™ is in use and the MyKey speed limit is on. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

CHECK SPEED DRIVE SAFELY — Displayed when a MyKey™ is in use and the optional setting is on and the vehicle exceeds a preselected speed. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

VEHICLE NEAR TOP SPEED — Displayed when a MyKey™ is in use and the MyKey speed limit is on and the vehicle speed is approaching 80 mph (130 km/h). Refer to *MyKey™* in the *Locks and Security* chapter for more information.

TOP SPEED MYKEY SETTING — Displayed when a MyKey™ is in use and the MyKey speed limit is on and the vehicle speed is 80 mph (130 km/h). Refer to *MyKey™* in the *Locks and Security* chapter for more information.

BUCKLE UP TO UNMUTE AUDIO — Displayed when a MyKey™ is in use and Belt-Minder® is activated. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

ADVTRAC ON MYKEY SETTING — Displayed when a MyKey™ is in use when trying to disable the AdvanceTrac® system and the optional setting is on. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

SERVICE ADVANCETRAC — Displayed when the AdvanceTrac® system has detected a condition that requires service. Contact your authorized dealer as soon as possible.

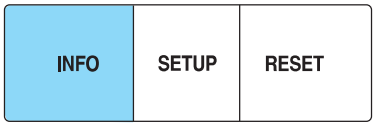
OPTIONAL MESSAGE CENTER (IF EQUIPPED)

Your vehicle's message center is capable of monitoring many vehicle systems and will alert you to potential vehicle problems and various conditions with an informational message followed by a long indicator chime.

The message center display is located in the instrument cluster.

Info

Press the INFO button repeatedly to cycle through the following features:



TRIP A/B

Registers the distance of individual journeys. Press and release INFO button until the A or B trip appears in the display (this represents the trip mode). Press and hold the RESET button to reset.

Refer to *UNITS* later in this section to switch the display from Metric to English.

MYKEY MILES (km) (if programmed)

For more information, refer to *MyKey™* in the *Locks and Security* chapter.

MILES (km) TO E

This displays an estimate of approximately how far you can drive with the fuel remaining in your tank under normal driving conditions. Remember to turn the ignition off when refueling to allow this feature to correctly detect the added fuel.

LOW FUEL LEVEL will display when you have approximately 50 miles (80 km), to empty. Press RESET to clear this warning message. It will return at approximately 25 miles (40 km), 10 miles (16 km) and 0 miles (0 km) miles to empty.

Distance to empty is calculated using a running average fuel economy, which is based on your recent driving history of 500 miles (800 km). This value is not the same as the average fuel economy display. The running average fuel economy is re-initialized to a factory default value if the battery is disconnected.

AVG MPG (L/100km)

Average fuel economy displays your average fuel economy in miles/gallon or liters/100 km.

If you calculate your average fuel economy by dividing distance traveled by gallons of fuel used (liters of fuel used by 100 kilometers traveled), your figure may be different than displayed for the following reasons:

- Your vehicle was not perfectly level during fill-up
- Differences in the automatic shut-off points on the fuel pumps at service stations
- Variations in top-off procedure from one fill-up to another
- Rounding of the displayed values to the nearest 0.1 gallon (liter)

To determine your average highway fuel economy, do the following:

1. Drive the vehicle at least 5 miles (8 km) with the speed control system engaged to display a stabilized average.

2. Record the highway fuel economy for future reference.

It is important to press the RESET button (press and hold RESET for two seconds in order to reset the function) after setting the speed control to get accurate highway fuel economy readings.

For more information refer to *Essentials of good fuel economy* in the *Maintenance and Specifications* chapter.

MPG (L/km)⬆ ⬇

This displays instantaneous fuel economy as a bar graph ranging from ↓ poor economy to ↑ excellent economy.

Your vehicle must be moving to calculate instantaneous fuel economy. When your vehicle is not moving, this function shows ↓, one or no bars illuminated. Instantaneous fuel economy cannot be reset.

TIMER

Timer displays the trip elapsed drive time.

To operate, do the following:

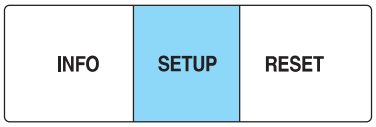
1. Press and release RESET in order to start the timer.

2. Press and release RESET to pause the timer.

3. Press and hold RESET until the timer resets.

System check and vehicle feature customization

Press the SETUP button repeatedly to cycle the message center through the following features:



RESET FOR SYSTEM CHECK

When this message appears, press the RESET button and the message center will begin to cycle through the following systems and provide a status of the item if needed.

Note: Some systems show a message only if a condition is present.

1. OIL LIFE
2. CHARGING SYSTEM
3. WASHER FLUID LEVEL
4. DOOR STATUS
5. LIFTGATE/GLASS
6. BRAKE SYSTEM
7. TIRE PRESSURE
8. AIR SUSPENSION SYSTEM (if equipped)
9. FUEL LEVEL
10. MYKEY MILES (if programmed)
11. MYKEY(S) PROGRAMMED
12. ADMIN KEYS PROGRAMMED

OIL LIFE

This displays the remaining oil life.

An oil change is required whenever indicated by the message center and according to the recommended maintenance schedule. USE ONLY RECOMMENDED ENGINE OILS.

To reset the oil monitoring system to 100% after each oil change perform the following:

1. Press and release SETUP to display “OIL LIFE XXX% HOLD RESET = NEW”.

2. Press and hold RESET for two seconds and release to reset the oil life to 100%.

Note: To change oil life 100% value to another value, proceed to Step 3.

3. Once "OIL LIFE SET TO XXX%" is displayed, release and press RESET to change the Oil Life Start Value. Each release and press will reduce the value by 10%.

UNITS

Displays the current units English or Metric.

Press the RESET button to change from English to Metric.

AUTOLAMP (SEC)

This feature keeps your headlights on for up to three minutes after the ignition is switched off.

Press the RESET button to select the new Autolamp delay values of 0, 10, 20, 30, 60, 90, 120 or 180 seconds.

AUTOLOCK

This feature automatically locks all vehicle doors when the vehicle is shifted into any gear, putting the vehicle in motion.

Press the RESET button to turn autolock on or off.

AUTOUNLOCK

This feature automatically unlocks all vehicle doors when the driver's door is opened within 10 minutes of the ignition being turned off.

Press the RESET button to turn autounlock on or off.

RUNNING BOARDS (if equipped)

This feature automatically deploys the side running boards for easy entry/exit from the vehicle or for cleaning.

Press the RESET button to select the running boards setting as follows:

•AUTO: the running boards will automatically deploy when a door is opened and automatically retract when the door is closed,

• OUT: the running boards will remain deployed regardless of the doors being open/closed. This setting can be used when washing the vehicle, or accessing the roof rack. The running boards will stow and enter AUTO mode when the vehicle speed exceeds 5 mph (8 km/h),

• OFF: the running boards will remain in regardless of the doors being open/closed.

POWER LIFTGATE (if equipped)

This feature allows users to open/close the rear liftgate at the touch of a button.

Press the RESET button to turn the power liftgate on or off. If disabled, the outside release handle and the rear cargo area control button are off. The instrument panel button will continue to function the liftgate in power mode.

EASY ENTRY (if equipped)

This feature automatically moves the driver's seat backwards for easy exit/entry from the vehicle.

Press the RESET button to turn the easy entry/exit seat on or off.

AIR SUSPENSION (if equipped)

Before disabling the air suspension, make sure the liftgate and liftgate glass are in the closed position.

With the vehicle in P (Park), press RESET to turn the air suspension off or on.

PARK AID (if equipped)

This feature sounds a warning tone to warn the driver of obstacles near the rear bumper, and functions only when R (Reverse) gear is selected.

To disable/enable park aid, press RESET when reaching this menu from the setup sequence or put the vehicle in R (Reverse) and press RESET.

TRAILER SWAY (if equipped)

This feature uses the electronic stability control to mitigate trailer sway,

Press the RESET button to turn trailer sway on or off.

CREATE MYKEY / MYKEY SETUP / CLEAR MYKEY

For more information refer to *MyKey™* in the *Locks and Security* chapter.

COMPASS

The compass heading is displayed as one of N, NE, E, SE, S, SW, W and NW in the message center display.

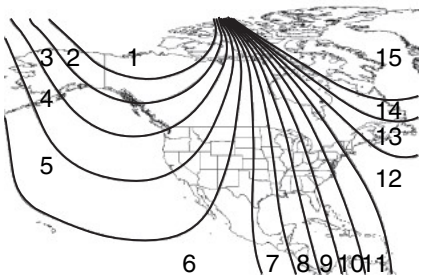
The compass reading may be affected when you drive near large buildings, bridges, power lines and powerful broadcast antenna. Magnetic or metallic objects placed in, on or near the vehicle may also affect compass accuracy.

Usually, when something affects the compass readings, the compass will correct itself after a few days of operating your vehicle in normal conditions. If the compass still appears to be inaccurate, a manual calibration may be necessary. Refer to *Compass zone/calibration adjustment.*

Most geographic areas (zones) have a magnetic north compass point that varies slightly from the northerly direction on maps. This variation is four degrees between adjacent zones and will become noticeable as the vehicle crosses multiple zones. A correct zone setting will eliminate this error. Do the following to set the proper zone:

Compass zone/calibration adjustment

1. Determine your magnetic zone by referring to the zone map.



2. Start the engine.

3. Press SETUP to reach the reset for zone setting screen.

4. Press and hold RESET until the message center display prompts you to reset the current zone setting. Press RESET.

5. Press and release RESET until the message center display changes to show the current zone setting (XX).

6. Press and release the RESET button repeatedly until the correct zone setting for your geographic location is displayed on the message center. The range of zone values are from 1 to 15 and “wraps” back to 1.

7. To exit the zone setting mode, and to “lock in” your change:
- press and release SETUP or,
- press INFO to exit or,
- wait four seconds and the zone will be “locked in”.

Perform compass calibration in an open area free from steel structures and high voltage lines. For optimum calibration, turn off all electrical accessories (heater/air conditioning, wipers, etc.) and make sure all vehicle doors are shut.

8. Press RESET to start the compass calibration function.

9. Slowly drive the vehicle in a circle (less than 3 mph [5 km/h]) until the CIRCLE SLOWLY TO CALIBRATE display changes to CALIBRATION COMPLETED. It will take up to five circles to complete calibration.

10. The compass is now calibrated.

Note: If the RESET button is pressed or three minutes has expired, the display will go back to the INFO menu and will show CAL instead of the compass heading until the compass is calibrated.

ENGLISH / FRENCH / SPANISH RESET FOR NEW

Allows you to choose which language the message center will display in. Selectable languages are English, Spanish, or French.

Press RESET to cycle through each of the language choices.

Press and hold RESET for two seconds to set the language choice.

System warnings

System warnings alert you to possible problems or malfunctions in your vehicle's operating systems.

In the event of a multiple warning situation, the message center will cycle the display to show all warnings by displaying each one for four seconds.

The message center will display the last selected feature if there are no more warning messages.

Types of messages and warnings:

- Some messages will appear briefly to inform you of something you may need to take action on or be informed of.
- Some messages will appear once and then again when the vehicle is restarted.
- Some messages will reappear after clearing or being reset if a problem or condition is still present and needs your attention.
- Some messages can be acknowledged and reset by pressing RESET. This allows you to use the full message center functionality by clearing the message.

DRIVER DOOR AJAR — Displayed when the driver door is not completely closed.

PASSENGER DOOR AJAR — Displayed when the passenger door is not completely closed.

REAR LEFT DOOR AJAR — Displayed when the rear left door is not completely closed.

REAR RIGHT DOOR AJAR — Displayed when the rear right door is not completely closed.

LIFTGATE / GLASS AJAR — Displayed when the liftgate or liftgate glass is not completely closed.

CHECK CHARGING SYSTEM — Displayed when the electrical system is not maintaining proper voltage when the engine is running. If you are operating electrical accessories when the engine is idling at a low speed, turn off as many of the electrical loads as soon as possible. If the warning stays on or comes on when the engine is operating at normal speeds, contact your authorized dealer as soon as possible.

CHECK FUEL FILL INLET — Displayed when the fuel fill inlet may not be properly closed. Refer to *Easy Fuel™ "no cap" fuel system* in the *Maintenance and Specifications* chapter.

TIRE PRESSURE SENSOR FAULT — Displayed when a tire pressure sensor is malfunctioning, or your spare tire is in use. For more information on how the system operates under these conditions, refer to *Understanding Your Tire Pressure Monitoring System (TPMS)* in the *Tires, Wheels and Loading* chapter. If the warning stays on or continues to come on, contact your authorized dealer as soon as possible.

LOW TIRE PRESSURE — Displayed when one or more tires on your vehicle have low tire pressure. Refer to *Inflating your tires* in the *Tires, Wheels and Loading* chapter.

TIRE PRESSURE MONITOR FAULT — Displayed when the Tire Pressure Monitoring System is malfunctioning. If the warning stays on or continues to come on, contact your authorized dealer as soon as possible.

AIR SUSPENSION OFF (if equipped) — Displayed when the air suspension is off. For more information, refer to *Air suspension system* in the *Driving* chapter.

BRAKE FLUID LEVEL LOW — Indicates the brake fluid level is low and the brake system should be inspected immediately. Refer to *Brake fluid* in the *Maintenance and Specifications* chapter.

WASHER FLUID LEVEL LOW — Indicates the washer fluid reservoir is less than one quarter full. Check the washer fluid level. Refer to *Windshield washer fluid* in the *Maintenance and Specifications* chapter.

ENGINE OIL CHANGE SOON — Displayed when the engine oil life remaining is 10% or less.

OIL CHANGE REQUIRED — Displayed when the oil life left reaches 0%.

CHECK AIR SUSPENSION (if equipped) — Displayed when the air suspension system is not operating properly. If this message is displayed while driving, pull off the road as soon as safely possible. For more information, refer to *Air suspension system* in the *Driving* chapter.

CHECK PARK AID (if equipped) — Displayed when the transmission is in R (Reverse). Refer to *Reverse sensing system* in the *Driving* chapter.

CHECK BRAKE SYSTEM — Displayed when the braking system is not operating properly. If the warning stays on or continues to come on, contact your authorized dealer as soon as possible.

XXX MILES TO E FUEL LEVEL LOW — Displayed as an early reminder of a low fuel condition.

PARK BRAKE ENGAGED — Displayed when the parking brake is set, the engine is running and the vehicle is driven more than 3 mph (5 km/h). If the warning stays on after the parking brake is released, contact your authorized dealer as soon as possible.

TRAILER SWAY REDUCE SPEED (if equipped) — Displayed when the trailer sway control has detected trailer sway. For more information, refer to the *Driving* chapter for more information.

4X4 SHIFT IN PROGRESS (if equipped) — Displayed when the 4X4 system is making a shift. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

FOR 4X4 LOW SLOW TO 3 MPH (if equipped) — Displayed when 4X4 LOW is selected while the vehicle is moving. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

FOR 4X4 LOW SHIFT TO N (if equipped) — Displayed when 4X4 LOW is selected and the vehicle is stopped. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

TO EXIT 4X4 LOW SLOW TO 3 MPH (if equipped) — Displayed when 2WD is selected while the vehicle is operating in 4X4 LOW. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

TO EXIT 4X4 LOW SHIFT TO N (if equipped) — Displayed when 2WD is selected while the vehicle has been stopped in 4X4 LOW. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

SHIFT DELAYED PULL FORWARD (if equipped) — May display when shifting to or from 4X4 LOW. For more information, refer to *Control Trac® four-wheel drive (4X4) operation* in the *Driving* chapter.

MYKEY ACTIVE DRIVE SAFELY — Displayed at startup when MyKey™ is in use. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

KEY COULD NOT PROGRAM — Displayed when an attempt is made to program a spare key using two existing MyKeys. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

VEHICLE SPEED 80 MPH MAX — Displayed when a MyKey™ is in use and the Admin has enabled the MyKey speed limit and the vehicle speed is 80 mph (130 km/h). Refer to *MyKey™* in the *Locks and Security* chapter for more information.

SPEED LIMITED TO 80 MPH — Displayed when starting the vehicle and MyKey™ is in use and the MyKey speed limit is on. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

CHECK SPEED DRIVE SAFELY — Displayed when a MyKey™ is in use and the optional setting is on and the vehicle exceeds a preselected speed. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

VEHICLE NEAR TOP SPEED — Displayed when a MyKey™ is in use and the MyKey speed limit is on and the vehicle speed is approaching 80 mph (130 km/h). Refer to *MyKey™* in the *Locks and Security* chapter for more information.

TOP SPEED MYKEY SETTING — Displayed when a MyKey™ is in use and the MyKey speed limit is on and the vehicle speed is 80 mph (130 km/h). Refer to *MyKey™* in the *Locks and Security* chapter for more information.

BUCKLE UP TO UNMUTE AUDIO — Displayed when a MyKey™ is in use and Belt-Minder® is activated. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

ADVTRAC ON MYKEY SETTING — Displayed when a MyKey™ is in use when trying to disable the AdvanceTrac® system and the optional setting is on. Refer to *MyKey™* in the *Locks and Security* chapter for more information.

SERVICE ADVANCETRAC — Displayed when the AdvanceTrac® system has detected a condition that requires service. Contact your authorized dealer as soon as possible.