

Information And Message Center

The message center display is a Vacuum Fluorescent (VF) , fixed format, 2-line display that is controlled by the message center switches located to the lower left side of the headlamp switch bezel.

The message center provides the following features:

- Information displays
- Setup displays
- Warning messages
- System check messages

Message center information can be selected through a set of 3 buttons:

- INFO
- SETUP
- RESET

Information Mode

The information displays (INFO button) are non-timed modes. The selected mode remains on until the driver presses a message center button to change the mode or it is overridden by another mode.

The information display modes are:

- Odometer/trip odometer
- MyKey™ miles
- Distance To Empty (DTE)
- Average fuel economy
- Instantaneous fuel economy
- Trip elapsed drive time
- Blank display

Setup Mode

The setup (SETUP button) displays are timed modes and terminate after a finite interval. As part of the setup menu, the message center has the capability to configure items such as units (English or metric), to enable/disable a variety of options such as autolock and auto-unlock (if equipped), or to carry out calibrations/settings on items such as oil life.

On configurable items such as autolock and auto-unlock, the message center indicates the appropriate selection (ON/OFF) by bracketing the selection. For example, if the driver selects the autolock feature on, the message would display as follows: AUTOLOCK <ON> OFF. If the driver selects the autolock off, the message would display as follows: AUTOLOCK ON <OFF>. Refer to the Owner's Literature for complete operating instructions.

Performance Mode Configuration (Shelby GT500 Only)

The message center provides the ability to configure the performance shift warning indicator and the performance shift warning chime features independent of each other. The 2 configurable items for each feature are the feature on/off and the shift points (engine rpm). Refer to [Message Center Configuration](#) in this section for configuring these 2 items.

The setup modes are:

- System check
- Oil life
- Gauge color
- Halo color
- Ambient light dim (if equipped)
- My color settings
- Shift points
- Units
- Autolamp
- Autolock (if equipped)
- Auto-unlock (if equipped)
- Create MyKey™

- Language

System Check

The system check provides a check of all the monitored systems on the vehicle. The system check scrolls through each of the monitored systems and provides a visual indication to report out the status of each system. The message center displays OK for approximately 2 seconds if the system check does not detect a fault in the system and displays a warning message for approximately 2 seconds if the system check detects a fault in the system. Press the RESET button to scroll through the system check messages.

The systems monitored during the system check are:

- Oil life
- Charging system
- Door ajar
- Trunk ajar
- Brake system
- Distance To Empty (DTE)
- MyKey™ distance (if MyKey™ is programmed)
- MyKey™ keys programmed
- Administrator keys programmed

Oil Life and Oil Life Start Value

The message center provides an oil change minder to inform the driver that an oil change is required. The duration of the interval between oil changes is calculated in the PCM and varies due to driving conditions. The PCM assumes a base mileage (example: 16,093 km [10,000 miles]) for normal driving. However, this number is adjusted down due to high engine temperature, high engine rpms, use of flex fuel and possibly low oil level. The PCM calculates and provides an oil life status message to the [IPC](#) . The [IPC](#) displays the oil life percentage, indicating the remaining oil life. The oil change minder can be reset at any time by the driver. Refer to [Message Center Configuration](#) in this section. When the remaining oil life is less than or equal to 5%, the message center displays ENGINE OIL CHANGE SOON. When the remaining oil life is equal to 0%, the message center displays OIL CHANGE REQUIRED.

The oil life is displayed in percentages and is preset to a maximum of approximately 16,093 km (10,000 miles) or 1 year. The oil life start value is used to increase or decrease the starting point of the oil life. The value can be changed back to the maximum of approximately 16,093 km (10,000 miles) if the value was previously changed or to lower the value by 10% increments down to 10%. Each 10% reduction lowers the oil life in both mileage and days.

For example, if the oil life start value is lowered to 50%, the maximum mileage is 8,047 km (5,000 miles) or 6 months. The oil life remains at the selected setting (50% in this example) until the driver changes the oil life start value. When the oil life (not oil life start value) is reset back to 100% following an oil change, the oil life resets to 8,047 km (5,000 miles). For configuration of the oil life and oil life start value, refer to [Message Center Configuration](#) in this section.

Electronic Compass

The electronic compass system functional components are:

- Auto-dimming interior mirror (vehicles without navigation)
- Global Positioning System (GPS) antenna (vehicles with navigation)
- Front Display Interface Module (FDIM)

Vehicles Without Navigation

The compass signal originates from the compass module, which is integrated into the auto-dimming interior mirror.

The compass display is incorporated into the [FDIM](#) .

The vehicle heading is displayed as a 1 or 2 character display located in the lower LH side of the [FDIM](#) and indicates the current direction of the vehicle (N, NE, E, SE, S, SW, W, or NW). The compass continuously re-calibrates due to changes in the magnetic field and remains accurate during most driving conditions.

The Front Controls Interface Module (FCIM) buttons that allow the driver to operate the calibration and zone setting procedures are located below the [FDIM](#) .

The compass display is on with the ignition key in the ON or START position. When the ignition key is first turned to the ON or START position, there is a momentary delay of approximately 6 seconds before the compass display illuminates. If the battery saver has been activated and the ignition is turned to ON or START, the momentary delay before the compass display illuminates is approximately 3 seconds. The compass display turns off as soon as the ignition key is turned to the OFF or ACC position.

Vehicles With Navigation

The compass signal originates from the GPS antenna. No calibration or zone adjustment is available, as the compass heading is based on the GPS signal. Refer to [Section 415-00](#) for information on the GPS signal.

Compass Accuracy (Without Navigation)

Driving near power lines, or driving in the area of large iron or steel structures can temporarily change the compass heading. If the compass remains inaccurate after driving near such objects, calibrate the compass. Refer to [Compass Calibration](#) in this section.

Most geographic areas (zones) have a magnetic north compass point that varies slightly from the northerly direction on maps. This variation is 4 degrees between the adjacent zones and becomes noticeable as the vehicle crosses multiple zones. A correct zone setting eliminates the error. Refer to [Compass Zone Adjustment](#) in this section.

System Warning Messages

The system warning messages alert the operator to possible concerns or malfunctions in the vehicle operating systems. If multiple warnings are present, the message center cycles the display to show all warnings by displaying each one for 4 seconds. The message center displays the last selected feature if there are no additional warning messages. Once a warning message has been displayed, the message must be acknowledged to allow full functionality of the message center. Press the RESET button to acknowledge and clear the warning message. The warning messages are divided into 3 basic categories:

- Cannot be cleared until the condition is corrected.
- Reappears 10 minutes from pressing the RESET button.
- Reappears if the condition clears then reoccurs within the same ignition ON-OFF cycle.

When the IPC receives a request to display an informational warning message or a fault condition, the message center may display one of the following warning messages:

Body

- DRIVER DOOR AJAR
- PASSENGER DOOR AJAR
- SECURITY EVENT OCCURRED (if equipped with Passive Anti-Theft System (PATS))
- TO STOP ALARM START VEHICLE

Chassis

- BRAKE FLUID LEVEL LOW
- CHECK BRAKE SYSTEM
- CHECK PARK AID (if equipped)
- LOW TIRE PRESSURE
- TIRE PRESSURE MONITOR FAULT
- TIRE PRESSURE SENSOR FAULT
- SERVICE ADVANCETRAC
- POWER STEERING ASSIST FAULT
- SERVICE POWER STEERING
- SERVICE POWER STEERING NOW

General Powertrain

- FUEL LEVEL LOW
- CHECK FUEL FILL INLET
- CHECK CHARGING SYSTEM
- ENGINE OIL CHANGE SOON
- OIL CHANGE REQUIRED
- 1→4 SHIFT FOR FUEL ECONOMY

MyKey™

- KEY COULD NOT PROGRAM
- VEHICLE SPEED 130 KM/H (81 MPH) MAX
- MYKEY ACTIVE DRIVE SAFELY
- SPEED LIMITED TO 130 KM/H (80 MPH)
- CHECK SPEED DRIVE SAFELY
- VEHICLE NEAR TOP SPEED
- TOP SPEED MYKEY SETTING
- BUCKLE UP TO UNMUTE AUDIO
- ADVTRAC ON MYKEY SETTING

TracKey (If Equipped)

- TRACKEY ACTIVE TRACK USE ONLY
- TRACKEY ENGINE ENABLED

Service Procedure Displays

In addition to the warning messages, the message center provides messages that are displayed during repair procedures to indicate certain states of a procedure. The following are the service repair procedures displayed in the message center.

Tire Pressure Monitoring System (TPMS)

- TRAIN LEFT FRONT TIRE
- TRAIN RIGHT FRONT TIRE
- TRAIN LEFT REAR TIRE
- TRAIN RIGHT REAR TIRE
- TRAINING COMPLETE
- TIRES NOT TRAINED-REPEAT

Oil Life and Oil Life Start Value

- XXX% OIL LIFE OIL LIFE OK
- OIL LIFE XXX% HOLD RESET = NEW
- OIL LIFE SET TO XXX%