

Information and Entertainment System

Functional Components

The functional components of the audio systems are:

- Accessory Protocol Interface Module (APIM) (with SYNC®)
- AM/FM antenna cable
- AM/FM antenna, located on the right rear quarter panel
- Audio DSP amplifier, located in left instrument panel area above the kick panel (with Shaker and Shaker Pro)
- Audio Front Control Module (ACM)
- Audio input jack, located on the inside front of the floor console storage compartment
- Clockspring
- Front Controls Interface Module (FCIM)
- Front Display Interface Module (FDIM)
- Global Positioning System (GPS) antenna, integral to the satellite radio antenna (with navigation)
- Global Positioning System Module (GPSM) , located behind the glove box (with SYNC® and without navigation)
- Luggage compartment subwoofer amplifier, located on the right side of the luggage compartment (with Shaker Pro)
- Microphone, located in the overhead console
- Satellite radio antenna cable
- Satellite radio antenna, located on the luggage compartment lid
- Speakers (see Audio Line-Up for locations)
- Subwoofer enclosure, located in the right side of the luggage compartment (with Shaker Pro)
- Universal Serial Bus (USB) port/cable, located on the inside front of the floor console storage compartment (with SYNC®)

Audio Line-Up

The vehicle is equipped with one of the following audio systems:

Premium

- AM/FM single CD ACM with MP3 playback (without navigation)
- Four speakers
 - One in each door
 - Two in the rear package tray (coupe), or one in each quarter panel (convertible)

Shaker

- AM/FM single CD ACM with MP3 playback (without navigation)
- AM/FM single CD ACM with MP3 playback, HD Radio®, and DVD playback (with navigation)
- Eight speakers
 - One assembly in each door containing two speakers
 - One subwoofer in each door
 - Two in the rear package tray (coupe), or one in each quarter panel (convertible)
- Audio DSP amplifier

Shaker Pro

- AM/FM single CD ACM with MP3 playback (without navigation)
- AM/FM single CD ACM with MP3 playback, HD Radio®, and DVD playback (with navigation)
- Nine speakers
 - One assembly in each door containing two speakers
 - One subwoofer in each door
 - Two in the rear package tray (coupe), or one in each quarter panel (convertible)
 - Single-speaker subwoofer enclosure in the luggage compartment
- Audio DSP amplifier
- Luggage compartment subwoofer amplifier

MyKey® Audio Operation

When a MyKey® is in use, the following restrictions are activated:

- The audio system is muted until the safety belts are buckled when the Belt-Minder® feature is activated. The MyKey® "BUCKLE UP TO UNMUTE AUDIO" is displayed in the information display.
 - This is a standard setting and cannot be changed.
- Satellite radio adult content stations are blocked by being muted.
- If "Always On" is selected in the MyKey® menu, 911 Assist™ and the Do Not Disturb features are enabled and cannot be disabled.
- When the Volume Limiter is set to On, the audio system volume is limited to 45%. In an attempt to exceed the limited volume, the MyKey® VOLUME LIMITED message is displayed in the centerstack infotainment display.
 - This is an optional setting.

Refer to the Owner's Literature for more information on MyKey®.

Navigation System

The navigation system consists of the following:

- ACM
- FDIM

- [GPS](#) antenna
- Microphone, located in the overhead console
- Satellite radio/[GPS](#) splitter cable (part of the front satellite radio antenna cable)

The [ACM](#) controls the operation of the navigation system and the audio system. The system uses a [GPS](#) antenna, vehicle speed input, and other sensor information to accurately establish the vehicle position.

Satellite Radio

The satellite radio system is comprised of the following:

- Satellite radio receiver built-in to the [ACM](#)
- Stand-alone satellite radio antenna (without navigation)
- Combination satellite radio/[GPS](#) antenna (with navigation)
- Satellite radio antenna cables
 - The satellite radio antenna cables connect the satellite radio antenna to the [ACM](#) .

Speed Compensated Volume

The [ACM](#) adjusts the audio system volume based on the [VSS](#) signal to compensate for speed and wind noise.

When a MyKey® is in use and the MyKey® radio volume limiter is enabled, the speed compensated volume is disabled.

SYNC® System

The SYNC® system consists of the following:

- [APIM](#)
- Audio input jack
- Microphone (contained in the overhead console)
- SYNC®-specific steering wheel controls
- [USB](#) port and cable

SYNC® is a hands-free communications and entertainment system that allows the following interactions:

- Connect media devices (such as an iPod® or [USB](#) flash device) in order to play audio files
- Control the entertainment system using voice controls.
- Initiate an emergency assistance call (911 Assist™) when the airbags deploy
- Play media files via a paired Bluetooth-enabled audio device
- Produce vehicle health reports
- Send and receive phone calls via a paired Bluetooth-enabled phone
- Send and receive text messages via a paired Bluetooth-enabled phone

All features are not available with every phone.

SYNC® Traffic, Directions and Information

The SYNC® traffic, directions and information service is a subscription-based service that provides hands-free access to turn-by-turn directions, personalized real-time traffic updates with text alerts, business search, entertainment, news, sports, stocks, travel and weather. The customer's mobile phone is used to access and download the SYNC® services. The [GPS](#) antenna, integral to the [GPSM](#) , is used to detect the location and direction of the vehicle. For traffic, directions, and information services subscription, refer to the [SyncMyRide website](#).