
GROUP 54B

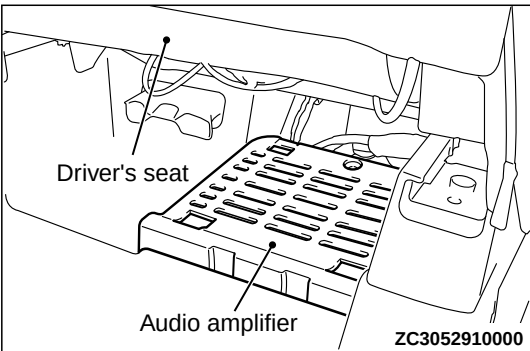
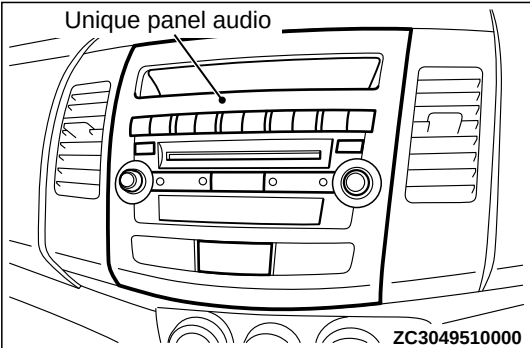
AUDIO AND NAVIGATION SYSTEM

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RADIO AND CD PLAYER

GENERAL INFORMATION



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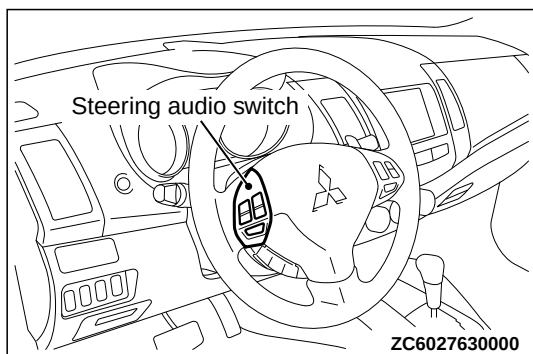
- The unique panel audio (radio and CD player or CD changer) gives a sense of unity with the instrument panel. Also, a new function automatically corrects the sound quality and volume during driving.
- A 8-ch high-power audio amplifier with integrated DSP (total maximum output of 650 W) has been combined with the Rockford Fosgate® premium sound system.

Specification	Note
AM/FM electronic tuning radio	-
SIRIUS satellite radio	Only the vehicles with the satellite radio tuner
6-disk CD autochanger ^{*1} (compatible with MP3 ^{*2})	Six CDs can be loaded.
Audio integrated 4-ch power amplifier <vehicles with 6 speakers>	General 140 W
Audio amplifier-integrated 8-ch power amplifier and digital signal processor (DSP) <Rockford Fosgate® premium sound system>	General 650 W (maximum)

NOTE:

- ^{*1}: CD-R/CD-RW may not be played.
- ^{*2}: Some may not be played.

STEERING AUDIO SWITCH



The concentrated switch has been established onto the steering wheel spoke for allowing the remote control of audio.

AUDIO OPERATION TONE ALARM

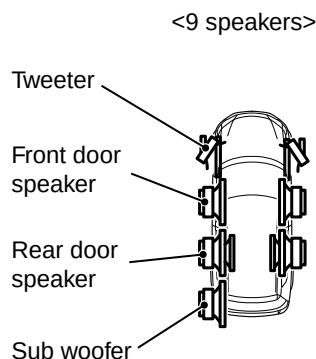
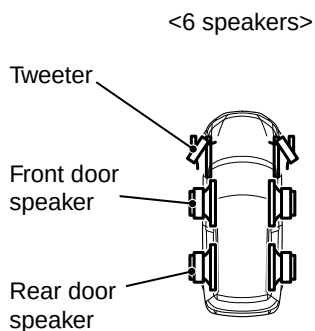
To prevent an audio operational error, the audio operation tone alarm confirms the audio operation which sounds a tone alarm in the combination meter when the audio is operated. The details are as described in the following table:

Usage category	Confirmation tone alarm sounding condition (with conditions below, tone alarm sounds for 0.08 seconds)
Radio use	Press and hold "1", "2", "3", "4", "5" or "6" button.
	Press and hold "SCAN" button.
CD use	Press and hold the "LOAD" button.
	Press and hold the "DISC" button.
	Press and hold the "RPT" button.
	Press and hold the "RDM" button.
	Press and hold the CD eject button
Audio adjustment	With "BASS", "MID", "TREBLE", "BALANCE", or "FADER" selected, adjust the adjustment level to zero.
	Select "NORMAL" of "SOUND FIELD".
	Select "NORMAL" of "MUSIC TYPE".
Others	Press and hold the "TUNE" knob.
	Press and hold the "MODE" switch of steering remote control switch.

SPEAKER

GENERAL INFORMATION

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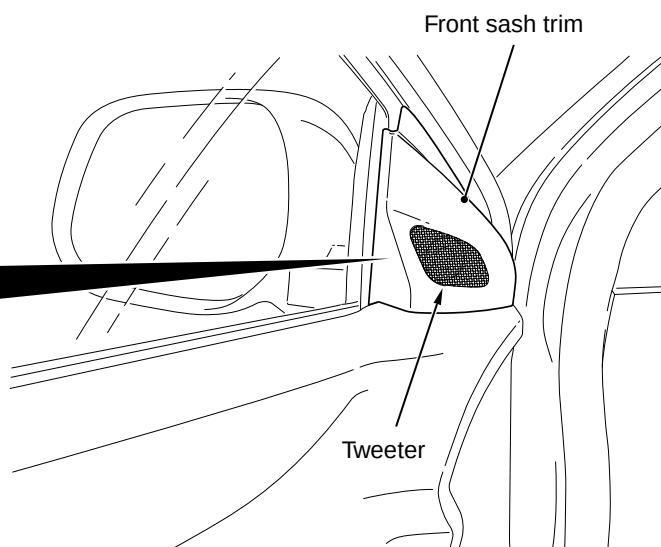
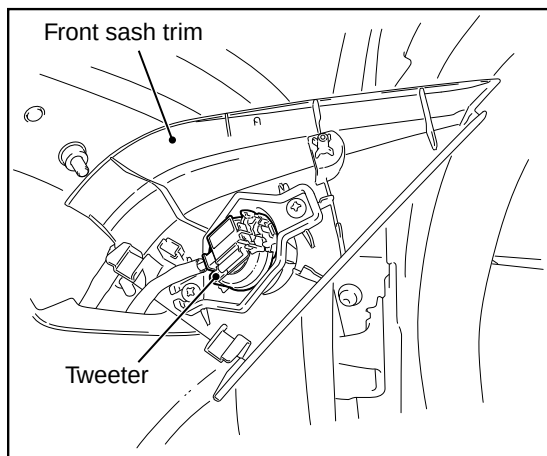


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The following two types of speakers are available.

•Six speakers (tweeter: 3.5 cm, front door: 16 cm, rear door: 16 cm)

•Nine speakers (tweeter: 3.5 cm, front door: 16 cm, rear door: 2-way coaxial 16 cm, subwoofer: 25 cm)
Rockford Fosgate® premium sound system

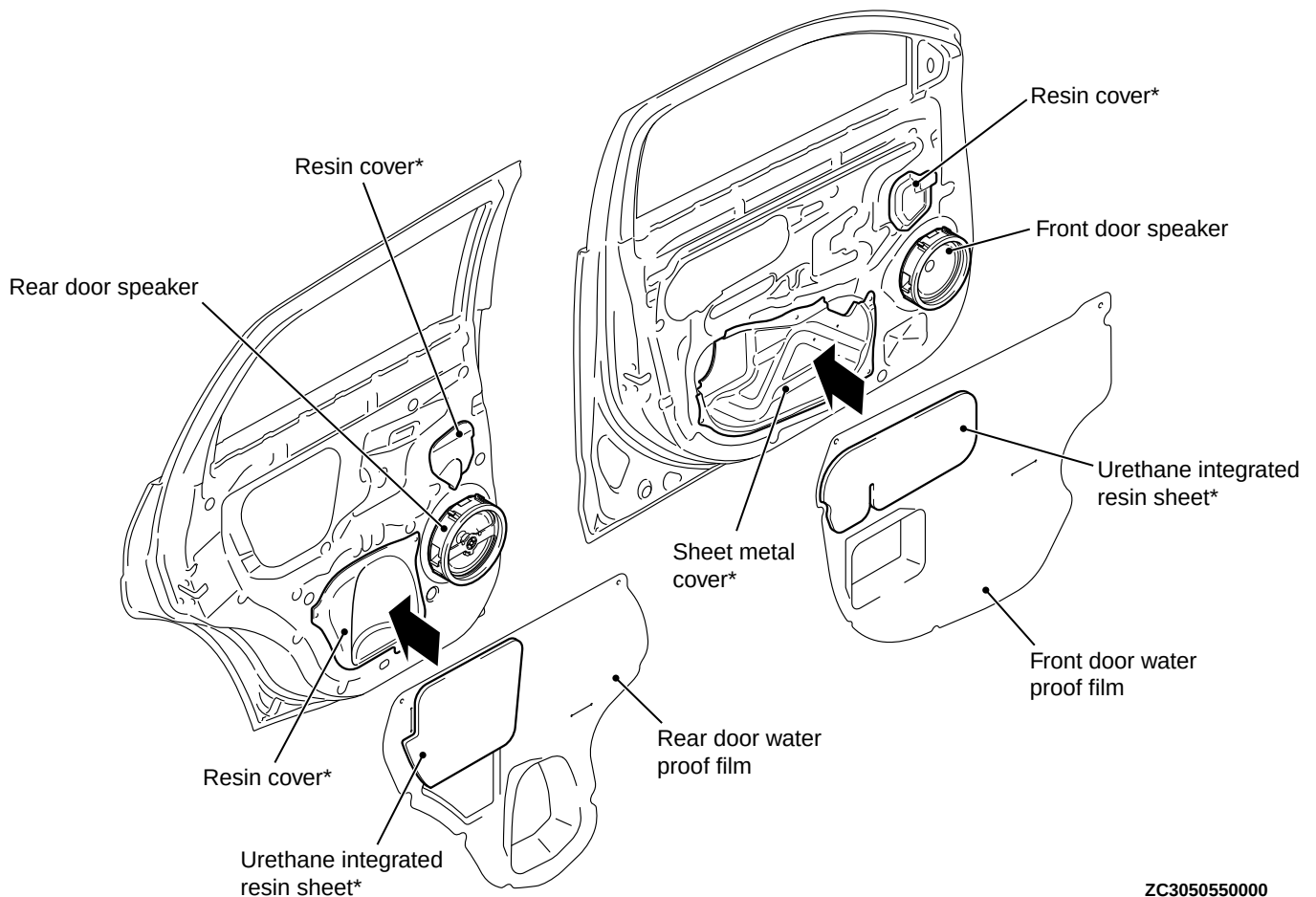
TWEETER

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The tweeters are incorporated in the front sash trim. Also, two types of tweeters, the balance dome tweeter vehicles with six speakers and soft dome tweeter

Rockford Fosgate® premium sound system, are available. The soft dome tweeter can play clearer treble with less distortion compared to the balance dome tweeter.

DOOR SPEAKER

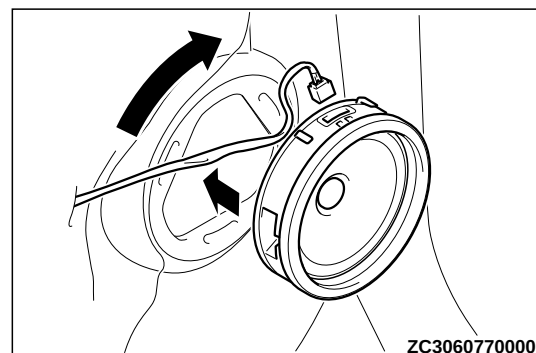


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NOTE: The parts with "*" are installed exclusively to the vehicles with Rockford Fosgate® premium sound system.

For the front door speaker, two types of speakers, 16-cm paper cone speaker vehicles with 6 speakers and PP (polypropylene) cone speaker Rockford Fosgate® premium sound system, are available. For the rear door speaker, two types of speakers, 16-cm paper cone speaker vehicles with 6 speakers and PP (polypropylene) cone 2-way coaxial speaker Rockford Fosgate® premium sound system, are available. Compared to the paper cone speakers, the PP (polypropylene) cone speakers can playback crisper bass. The door opening of the vehicles with Rockford Fosgate® premium sound system is blocked by using the sheet metal cover and the urethane integrated resin sheet (resin cover and water proof film) to make the door into a speaker box, thus improving the sound

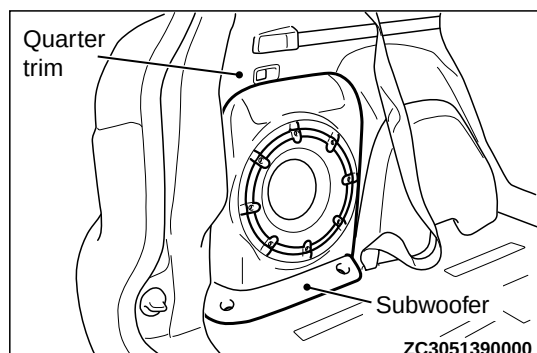
quality. As an advantage of the sheet metal cover, the rigidity of the areas around the speaker has been increased, and the higher sound pressure, suppression of high harmonic, and suppression of dumping are achieved to improve sound quality.



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The one-touch installable speaker (with 3 tabs, fixed by rotating) has been adopted to improve serviceability.

SUB WOOFER <VEHICLES WITH Rockford

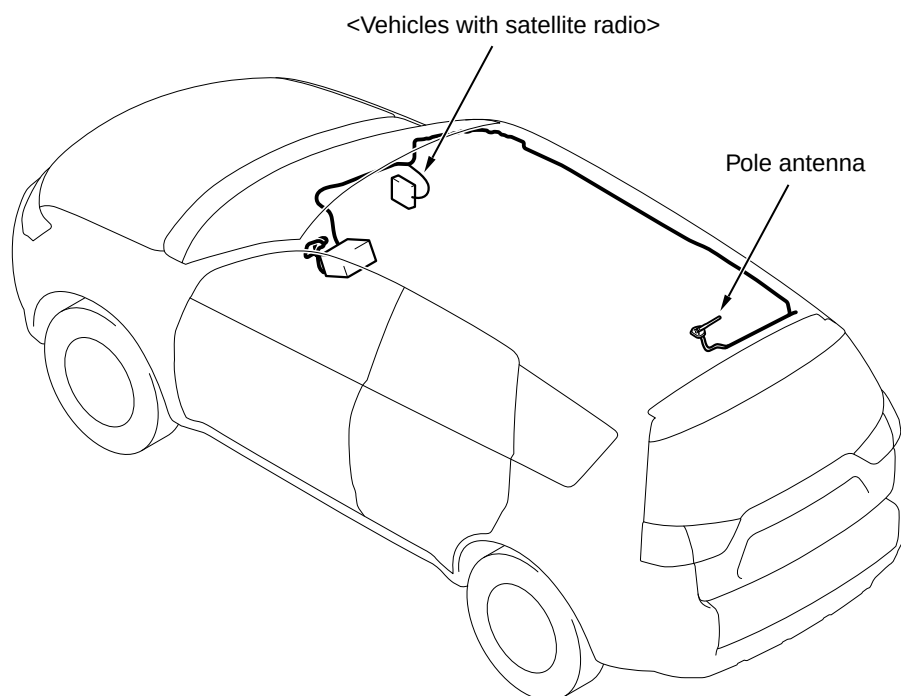
**Fosgate® PREMIUM SOUND SYSTEM>**

The Rockford Fosgate® 25-cm dual voice coil subwoofer has been installed to the passenger seat-side quarter trim in the luggage room, enabling the playback of dynamic deep bass.

ANTENNA**GENERAL INFORMATION**

The pole antenna has been adopted for the AM/FM and satellite radio.

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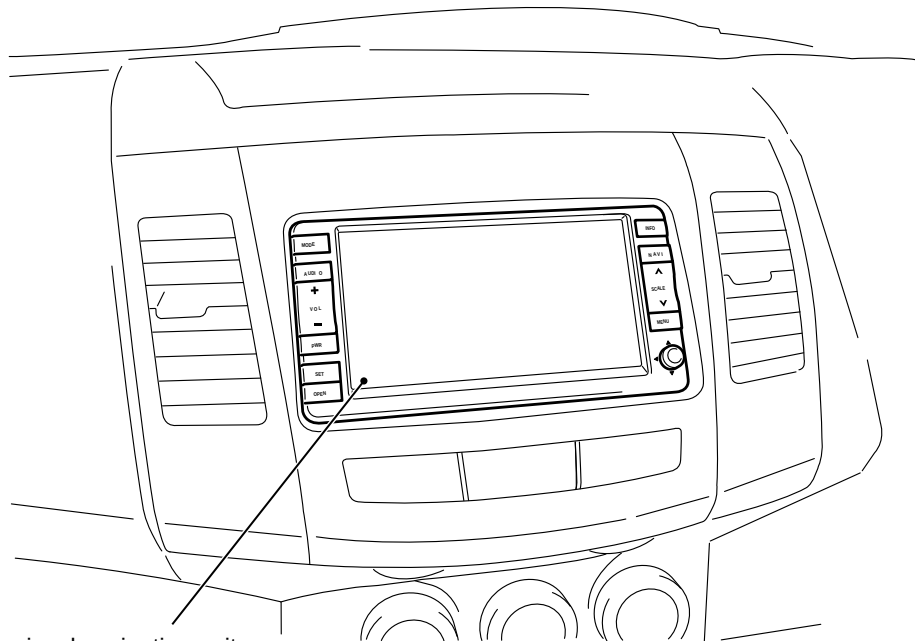
CONSTRUCTION DIAGRAM

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MITSUBISHI MULTI COMMUNICATION SYSTEM (MMCS)

GENERAL

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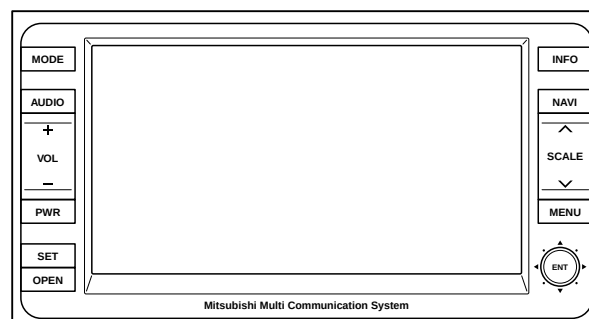


Audio visual navigation unit

ZC3051980000

Mitsubishi multi-communication system (7-inch wide monitor HDD navigation) with built-in hard disk drive (30 gigabyte) has been installed. Also, a 7-inch liquid crystal display of wide 2 DIN size has been adopted.

Operation part



ZC3050170000

Display (function)	Contents
Navigation screen	Displays the navigation functions including the map display, search, guidance, information search.
Vehicle position information screen	Displays the position information of current location. (Longitude and latitude, altitude, GPS reception status)
CD screen	Plays back the disc inserted to the CD drive (CD-R/CD-RW).
MP3/WMA screen	Plays back the MP3/WMA.

Display (function)	Contents
DVD screen	Plays back the disc inserted to the DVD drive.
Music server function	Plays back the music data on hard disk drive, and records the music CD.
Rear display screen	Displays the image input from the rear display unit.
Radio screen	Displays the receiving station information. Also, the operation of receiving channel can be performed.

Navigation function

The storage of very large map data is now possible, and the following contents have been adopted.

- Map type navigation
- NAVTEQ map database
- Map data stored in hard disc drive
- Corresponds to U.S. English, Canadian French, and Latin Spanish

Audio and visual function

There are the following functions in addition to the navigation function.

- Music server function
- DVD drive unit
- FM/AM radio
- MP3/WMA playback function
- Control by steering audio switch

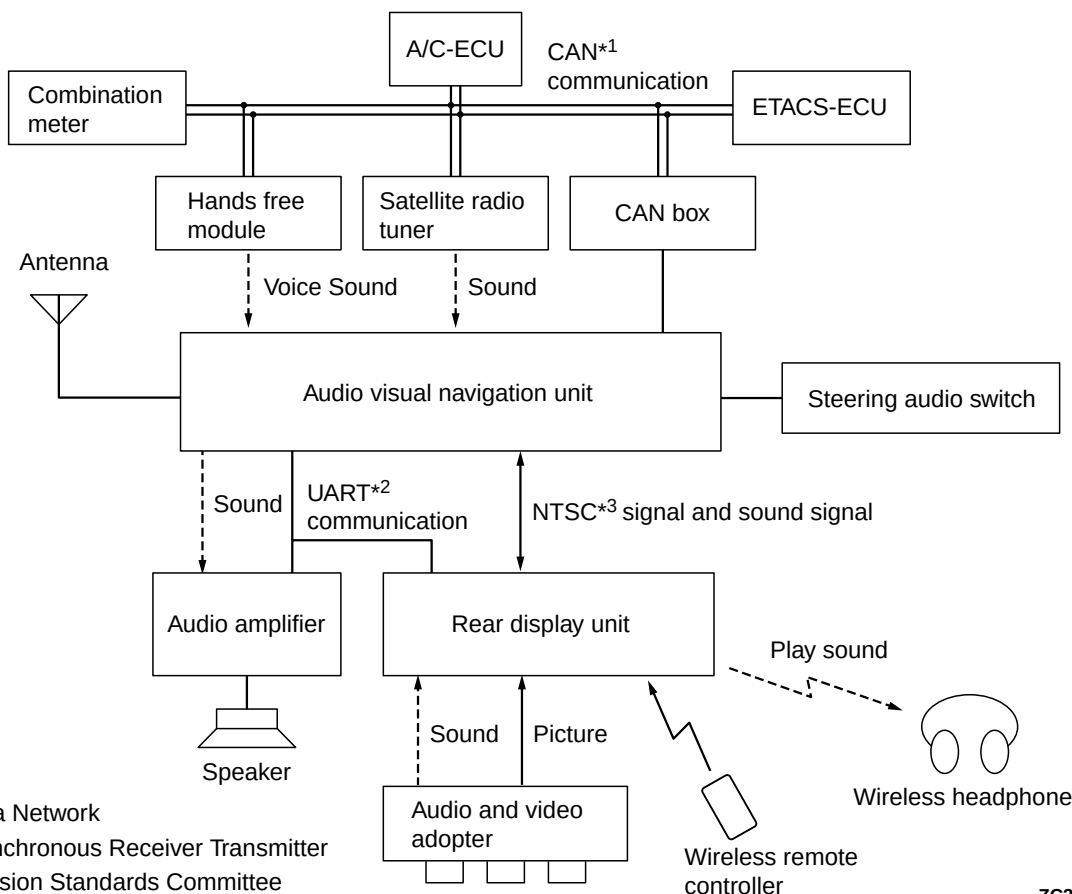
- Integrated 4-ch power amplifier (140 W)
- Correspond to Rockford Fosgate[®] premium sound system
- Output of DVD video 5.1 channel data
- Connect with satellite radio tuner

Other function

There are the following functions in addition to the navigation, audio and visual function.

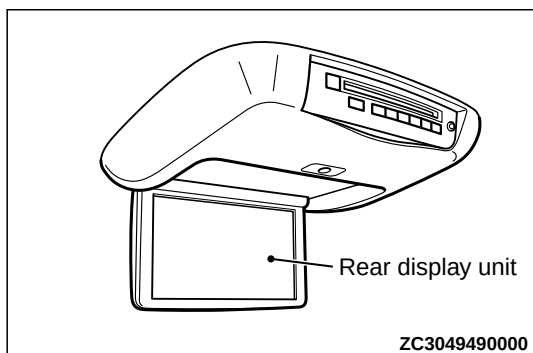
- Clock display
- Connect with hands free unit
- A/C information display
- Outside temperature display
- Trip information display (Average fuel consumption etc.)
- Function customize
- Interfaces with the rear display (entertainment system)

SYSTEM BLOCK DIAGRAM



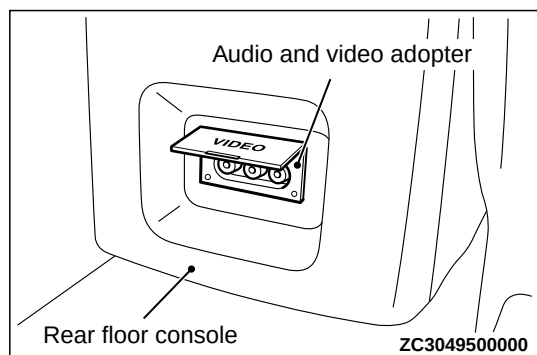
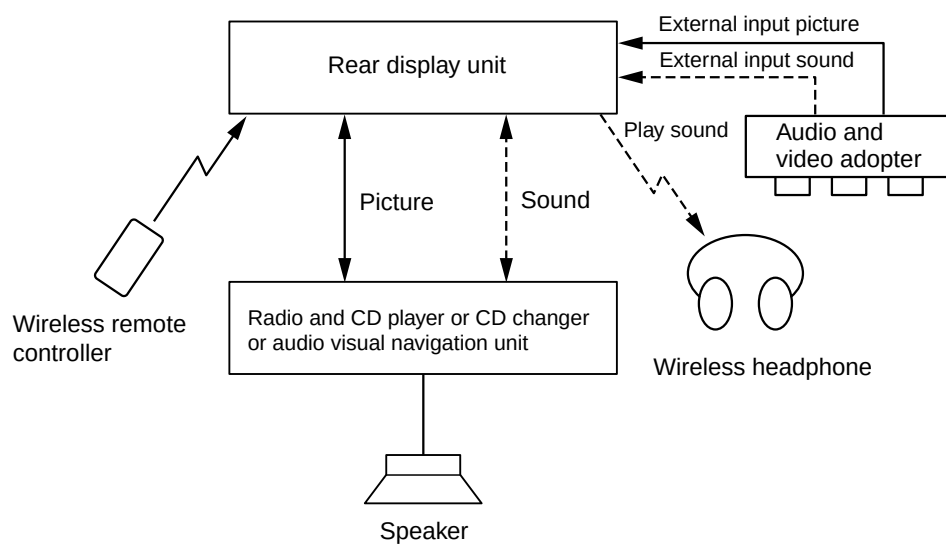
REAR ENTERTAINMENT SYSTEM

GENERAL



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- A rear seat 9-inch wide LCD monitor with DVD has been adopted for rear passengers to enjoy DVD, CD, video games, video, or others. The monitor has been installed to the center of the roof, between the first row seats and second row seats.
- In order to connect video equipment such as video computer and video player, the external connection jacks (audio and video adapter) has been installed to the backside of the rear floor console.

**SYSTEM BLOCK DIAGRAM**

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