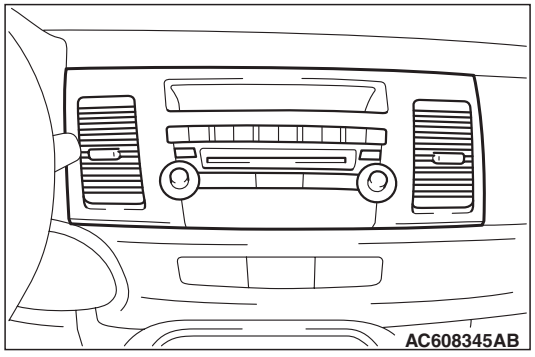
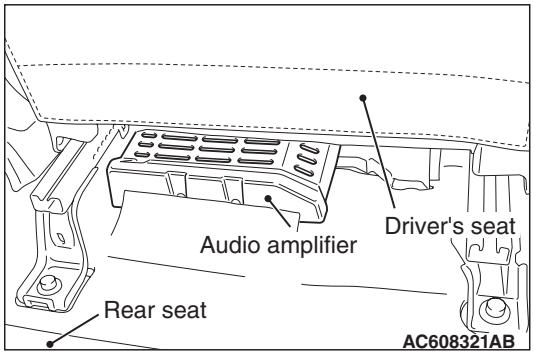
RADIO AND CD PLAYER

GENERAL INFORMATION

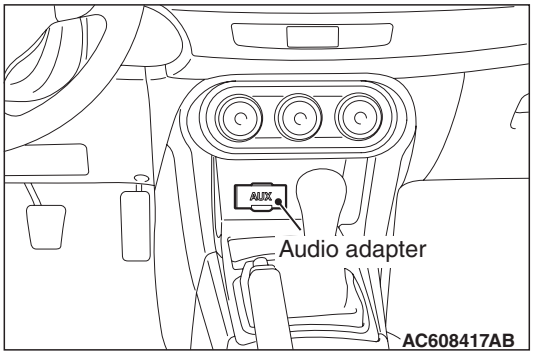
M2544900200218



- Two types of audio, CD player with radio or 6-disk CD changer with radio, have been established. The audio was designed to create a uniformity impression with the instrument panel. Also, a new function automatically corrects the sound quality and volume during driving.



- For the vehicles with Rockford Fosgate ® premium sound system, the 8-ch high-power audio amplifier with integrated DSP (total maximum output of 650 W) has been established under the driver's seat. The clear treble without distortion is available.



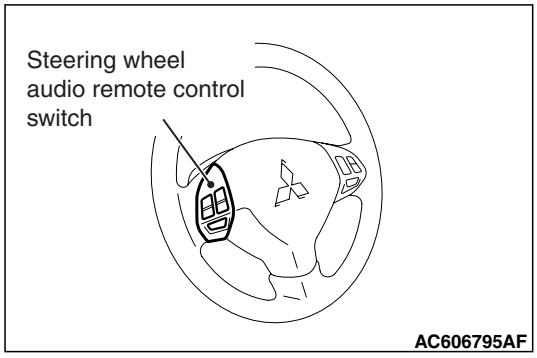
- For the vehicles with Rockford Fosgate ® premium sound system, the audio adapter has been established onto the center tray. With this modification, portable music player can be connected. <Vehicles without MMCS>

Item	CD player with radio	6-disk CD changer with radio <Option>
Electronic tuning radio	Equipped	Equipped
SIRIUS satellite radio <Option: ES, GTS>	–	Equipped (Only the vehicles with the satellite radio tuner)
CD player[*1] (compatible with MP3[*2])	Equipped	Equipped
6-disk CD autochanger[*1] (compatible with MP3[*2])	–	Equipped
Audio integrated 4-ch power amplifier <vehicles with 4 speakers, 6 speakers>	General 140 W	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 WHEEL AUDIO REMOTE CONTROL SWITCH



The concentrated switch has been established onto the steering wheel spoke for allowing the remote control of audio. <ES, GTS>

AUDIO OPERATION TONE ALARM

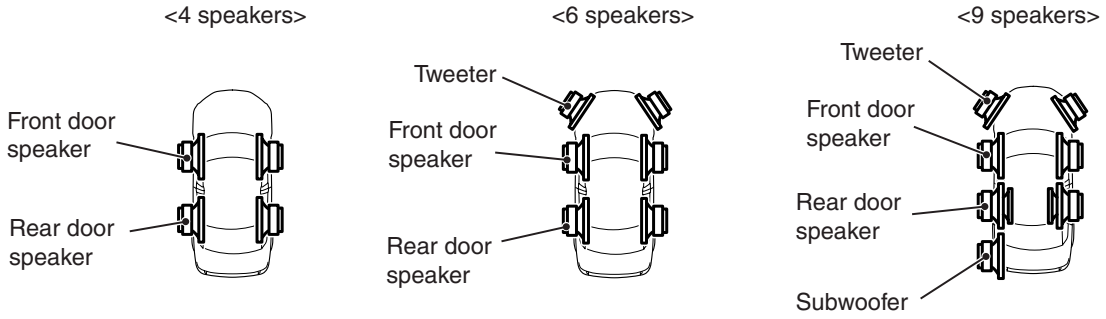
To prevent an audio operational error, the audio operation tone alarm confirms the audio operation which sounds a tone alarm in the combination meter when the audio is operated. The details are as described in the following table:

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

M2545000200177



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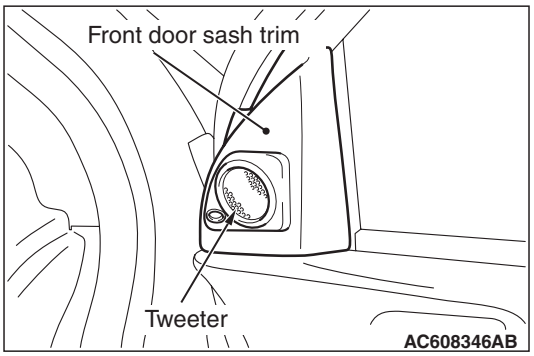
The following three types of speakers are available.

- 4 speakers (Front door: 16 cm, rear door: 16 cm)
- 6 speakers (tweeter: 3.5 cm, front door: 16 cm, rear door: 16 cm)
- 9 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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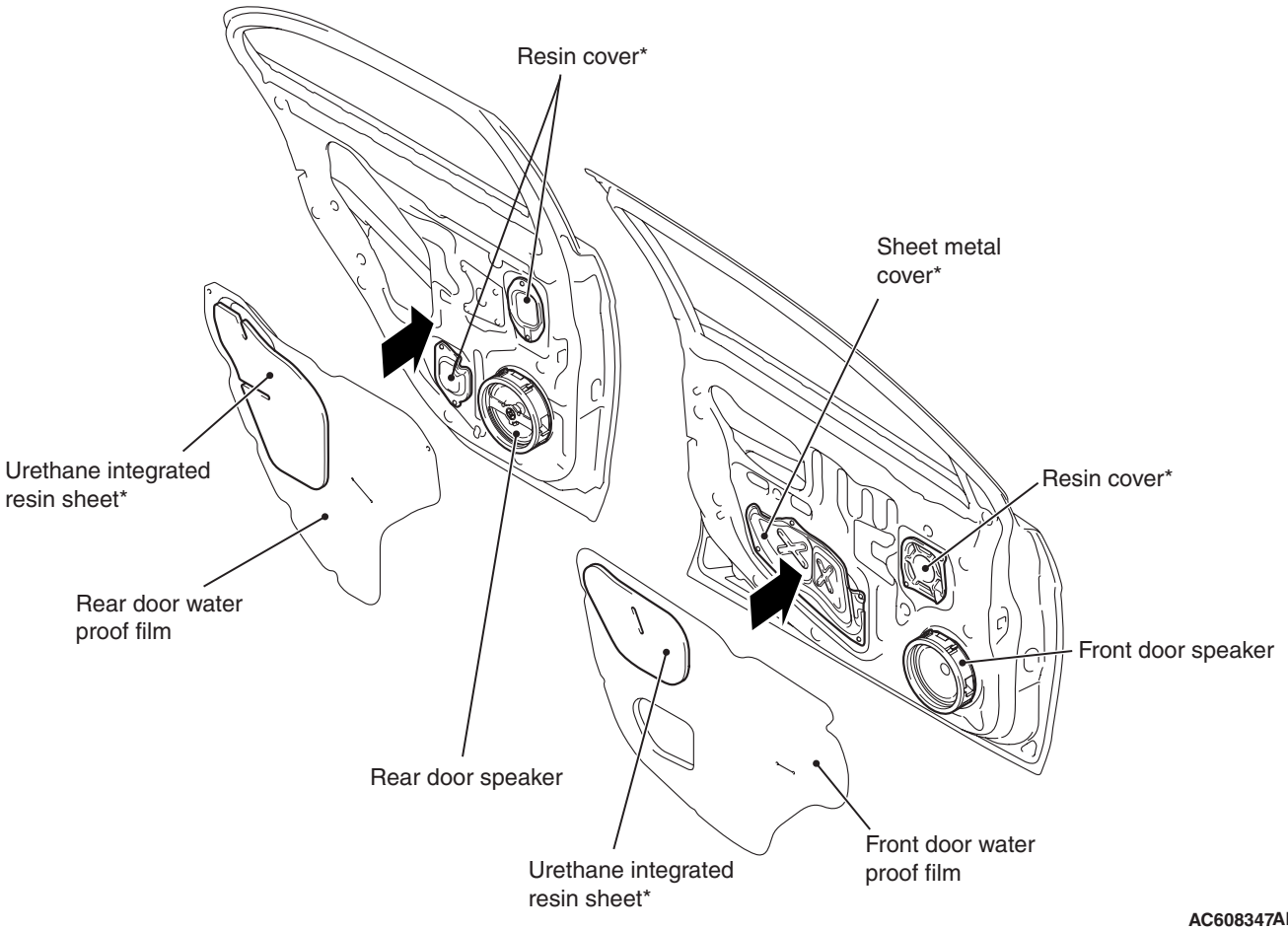
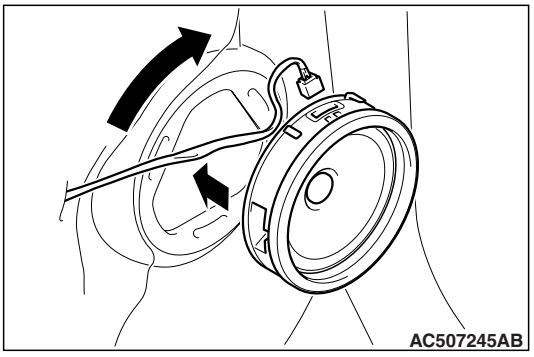
For the front door sash trim, two types of tweeters, the balance dome tweeter <Vehicles with 6 speakers> and soft dome tweeter <Vehicles with 9 speakers (Rockford Fosgate ® premium sound system)>, have been established. The soft dome tweeter can play clearer treble with less distortion compared to the balance dome tweeter. For the better treble, two types of front sash garnish, resin type <Vehicles with 6 speakers> and punching metal type <Rockford Fosgate ® premium sound system>, has been established. With the punching metal type, the metal has been adopted for the punching part to enlarge the punching opening, enabling the playback of cleaner treble.

DOOR SPEAKER



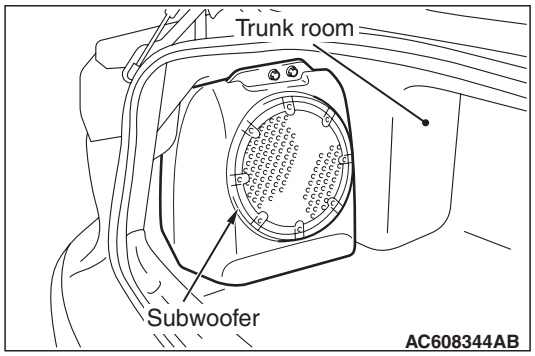
NOTE: The parts with "" are installed exclusively to the vehicles with Rockford Fosgate® premium sound system.*

For the front door speaker, two types of speakers, 16 cm paper cone speaker <vehicles with 4 speakers, 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 4 speakers, 6 speakers> and PP (polypropylene) cone 2-way coaxial speaker <Vehicles with 9 speakers (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 9 speaker (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.



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

SUBWOOFER <VEHICLES WITH Rockford Fosgate® PREMIUM SOUND SYSTEM>



The 25 cm dual voice coil subwoofer has been installed to the trunk room, enabling the playback of dynamic deep bass.

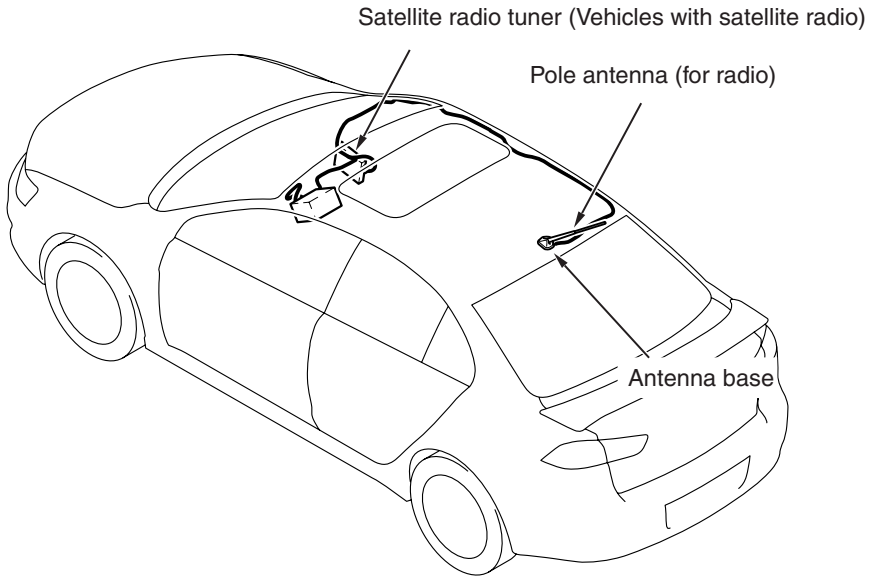
ANTENNA

GENERAL INFORMATION

M2545100200163

The pole antenna has been adopted for the radio. The antenna base incorporates the radio amplifier. When the satellite radio tuner is installed, the antenna base that also corresponds to the satellite radio is installed.

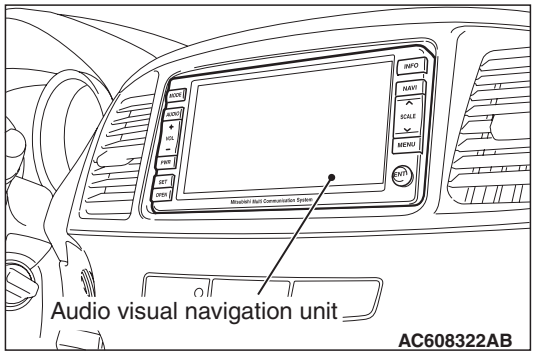
CONSTRUCTION DIAGRAM



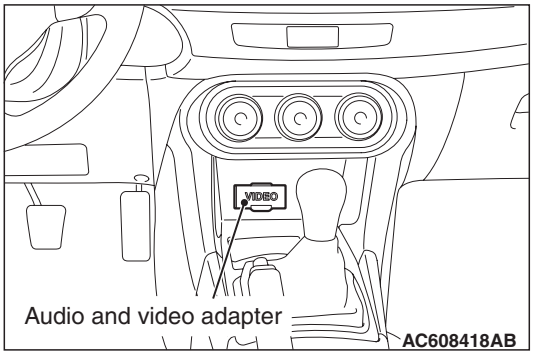
MITSUBISHI MULTI COMMUNICATION SYSTEM (MMCS)

GENERAL INFORMATION

M2544800200084

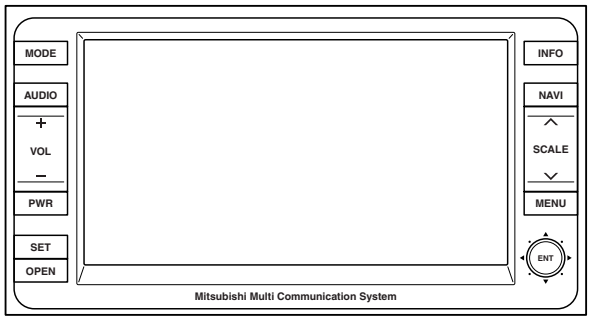


Mitsubishi multi-communication system (audio visual navigation unit) with built-in hard disk drive (30 gigabyte) has been installed. Also, a 7-inch liquid crystal display of wide 2 DIN size has been adopted. <Option>



The audio and video adapter has been established to the center tray in order to connect visual equipment such as game machine and video player. <Vehicles with MMCS>

Operation part



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.
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.
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
- U.S. English, French, and Spanish are available to select.

Audio and visual function

The following functions are in addition to the navigation function:

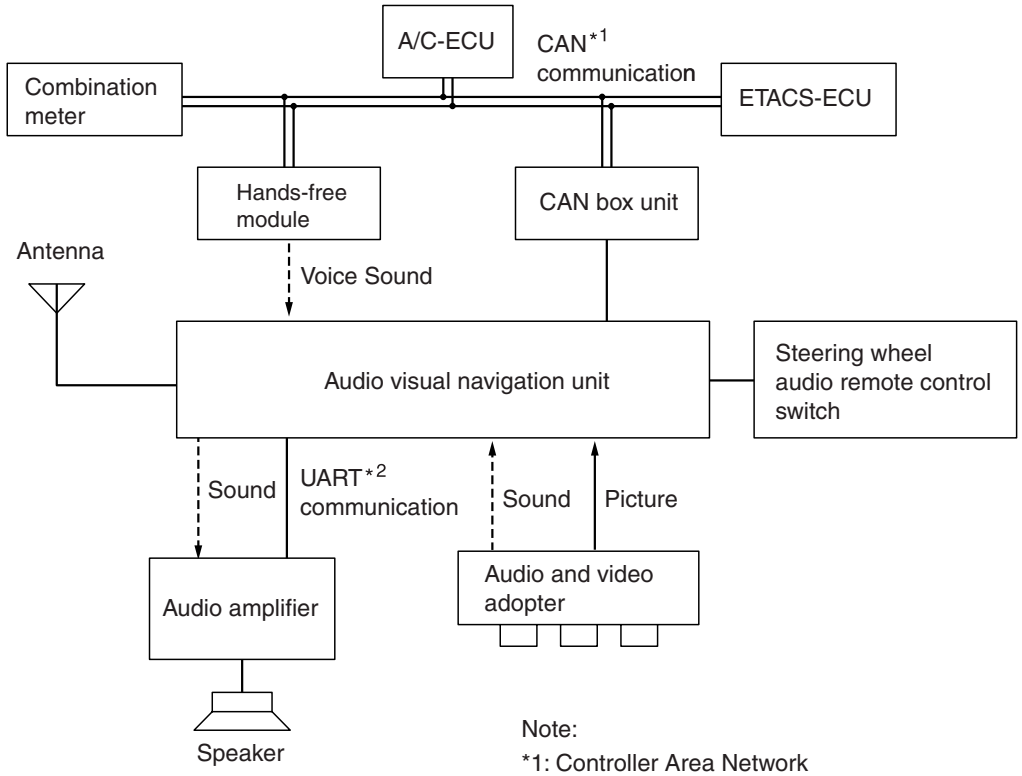
- Music server function
- DVD drive unit
- FM/AM radio
- MP3/WMA playback function
- Control by steering wheel audio remote comtrol switch
- Integrated 4-ch power amplifier (MAX: 180 W)
- Correspond to Rockford Fosgate® premium sound system
- Output of DVD video 5.1 channel data
- Connect with satellite radio tuner

Other function

The following functions are 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

SYSTEM BLOCK DIAGRAM



Note:
*1: Controller Area Network
*2: Universal Asynchronous Receiver Transmitter

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AUDIO SYSTEM <VEHICLES WITHOUT AUDIO AMPLIFIER>

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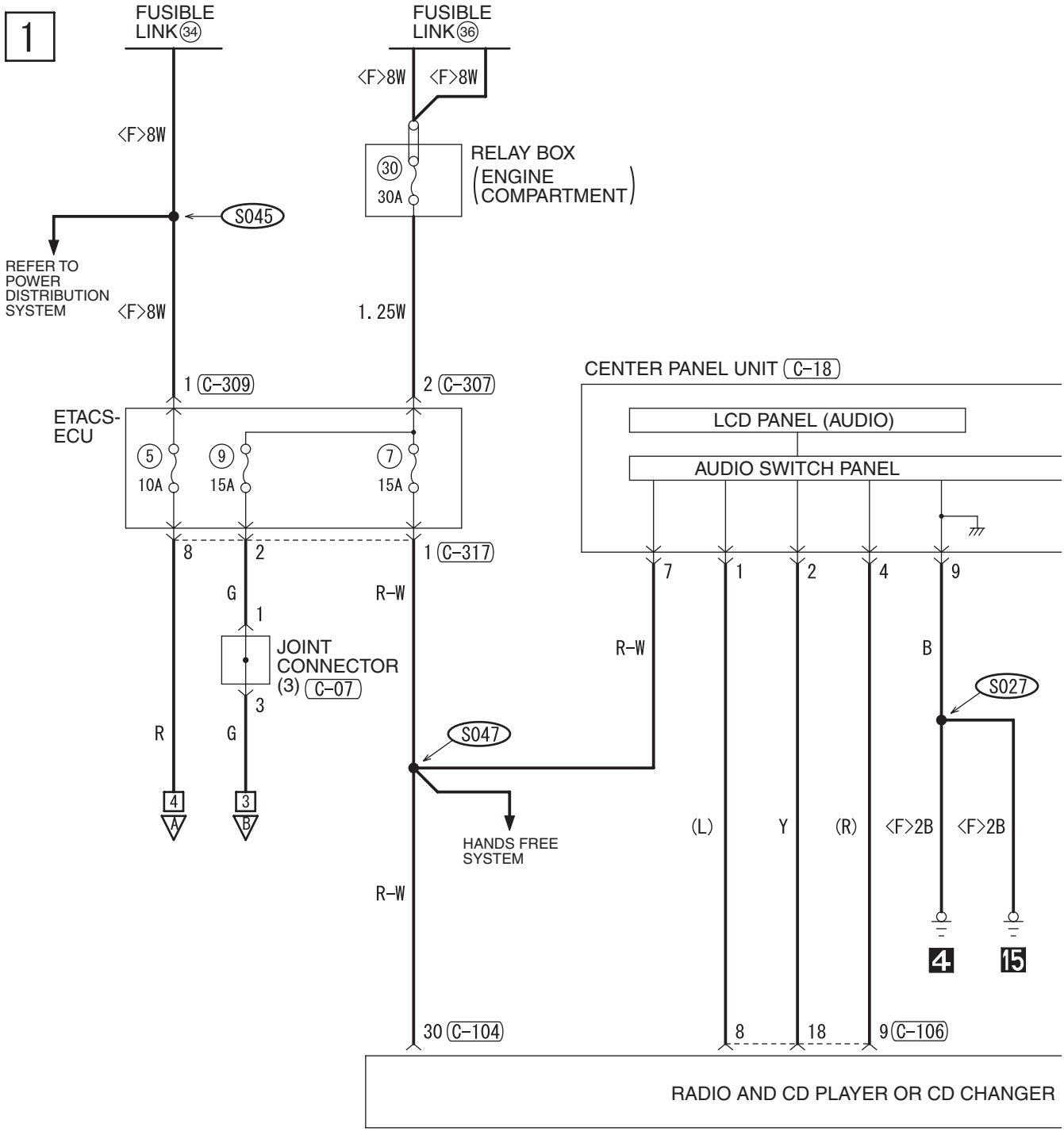

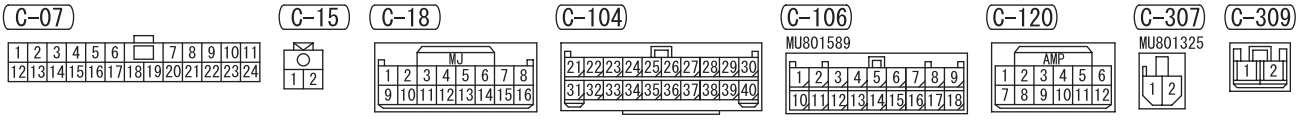

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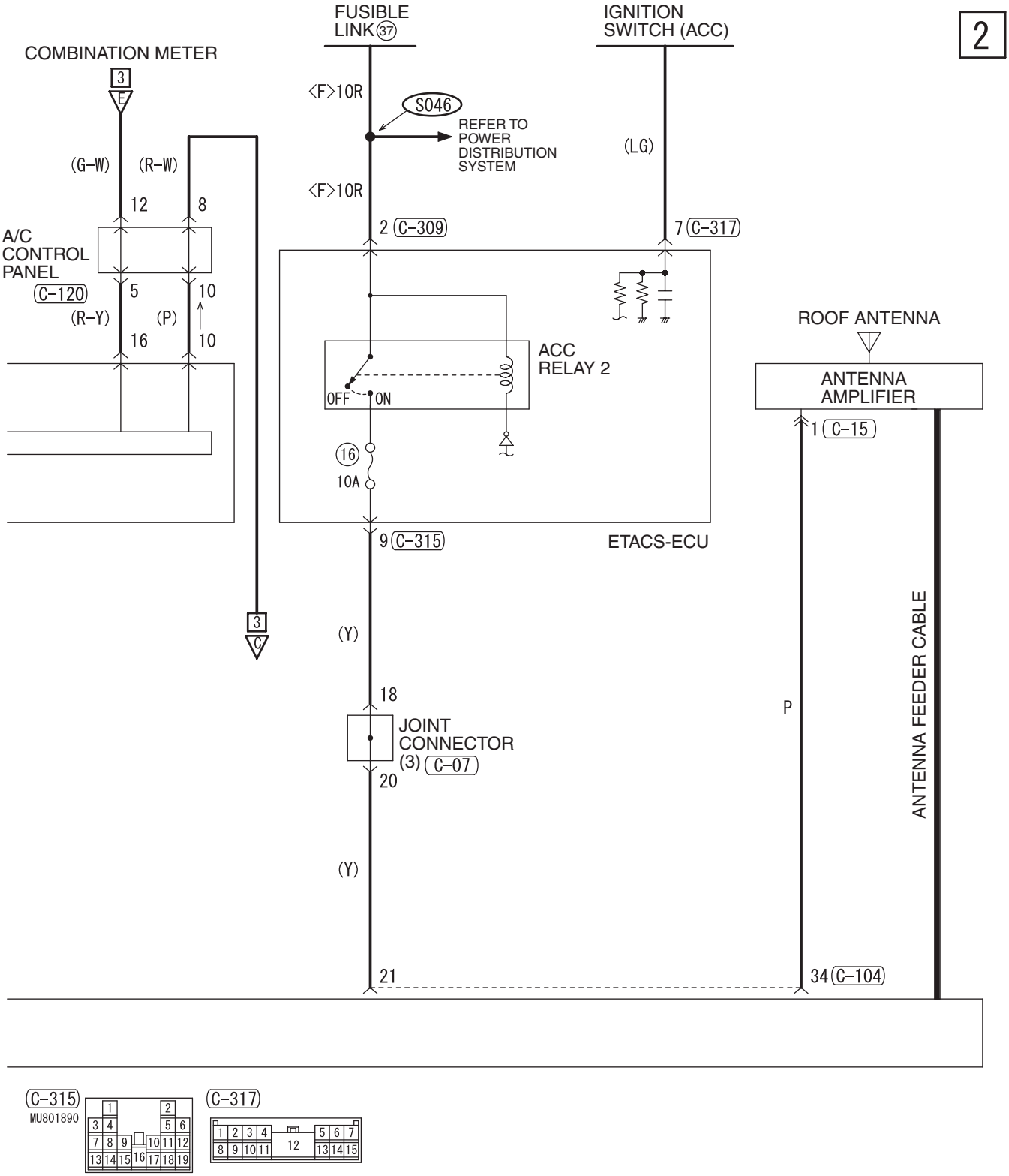
TSB Revision



WIRE COLOR CODE
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BR : BROWN O : ORANGE GR : GRAY R : RED P : PINK V : VIOLET PU : PURPLE

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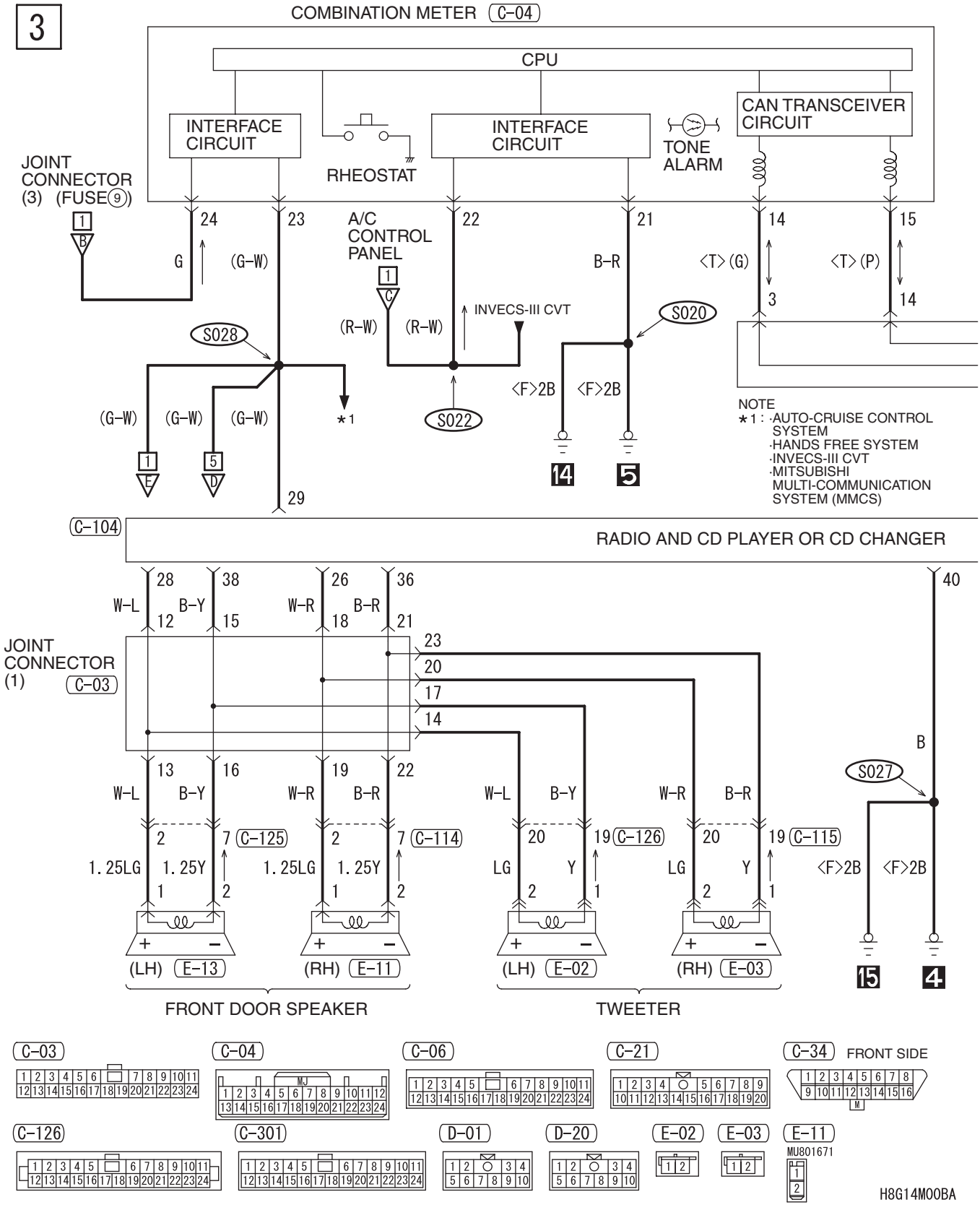
TSB Revision

AUDIO SYSTEM <VEHICLES WITHOUT AUDIO AMPLIFIER> (CONTINUED)



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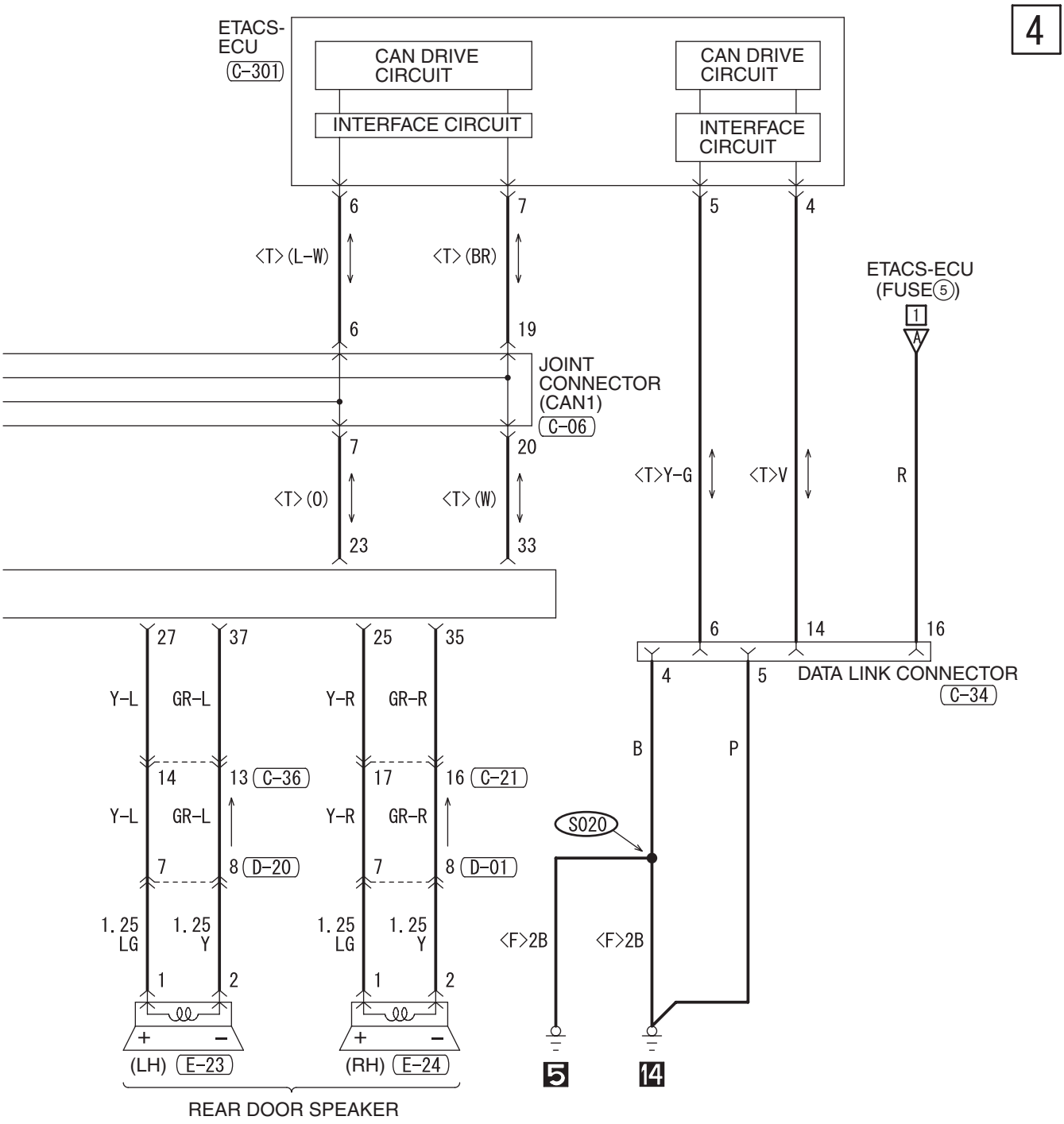

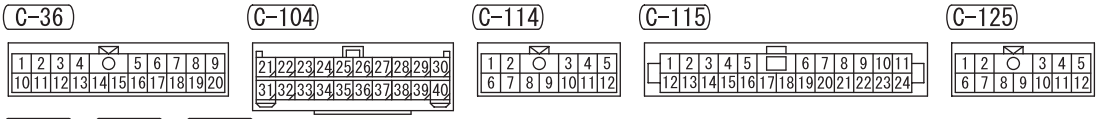

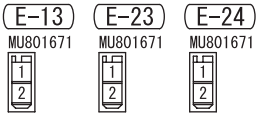

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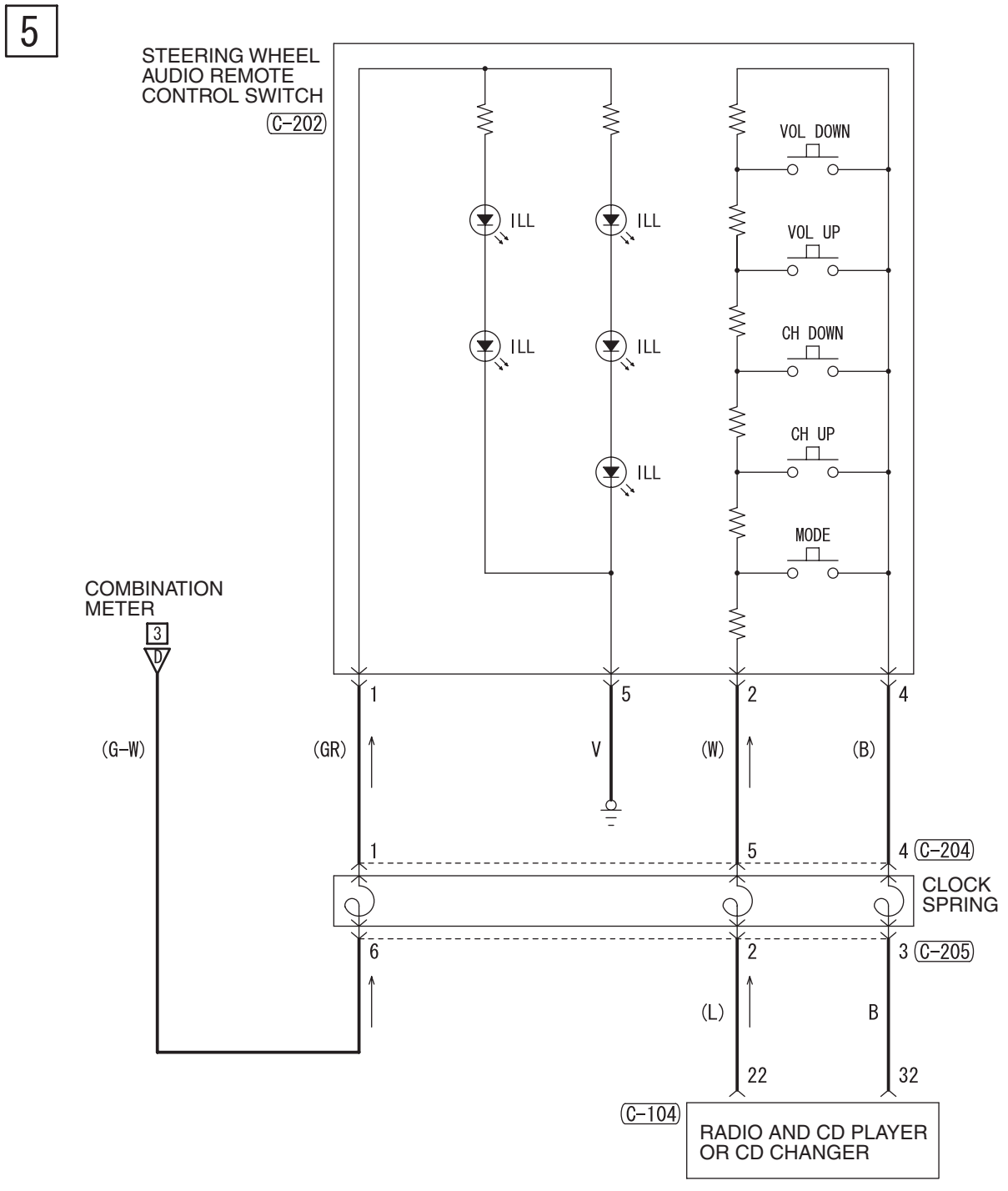
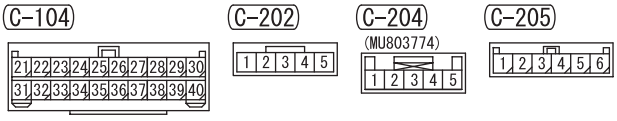
TSB Revision

AUDIO SYSTEM <VEHICLES WITHOUT AUDIO AMPLIFIER> (CONTINUED)





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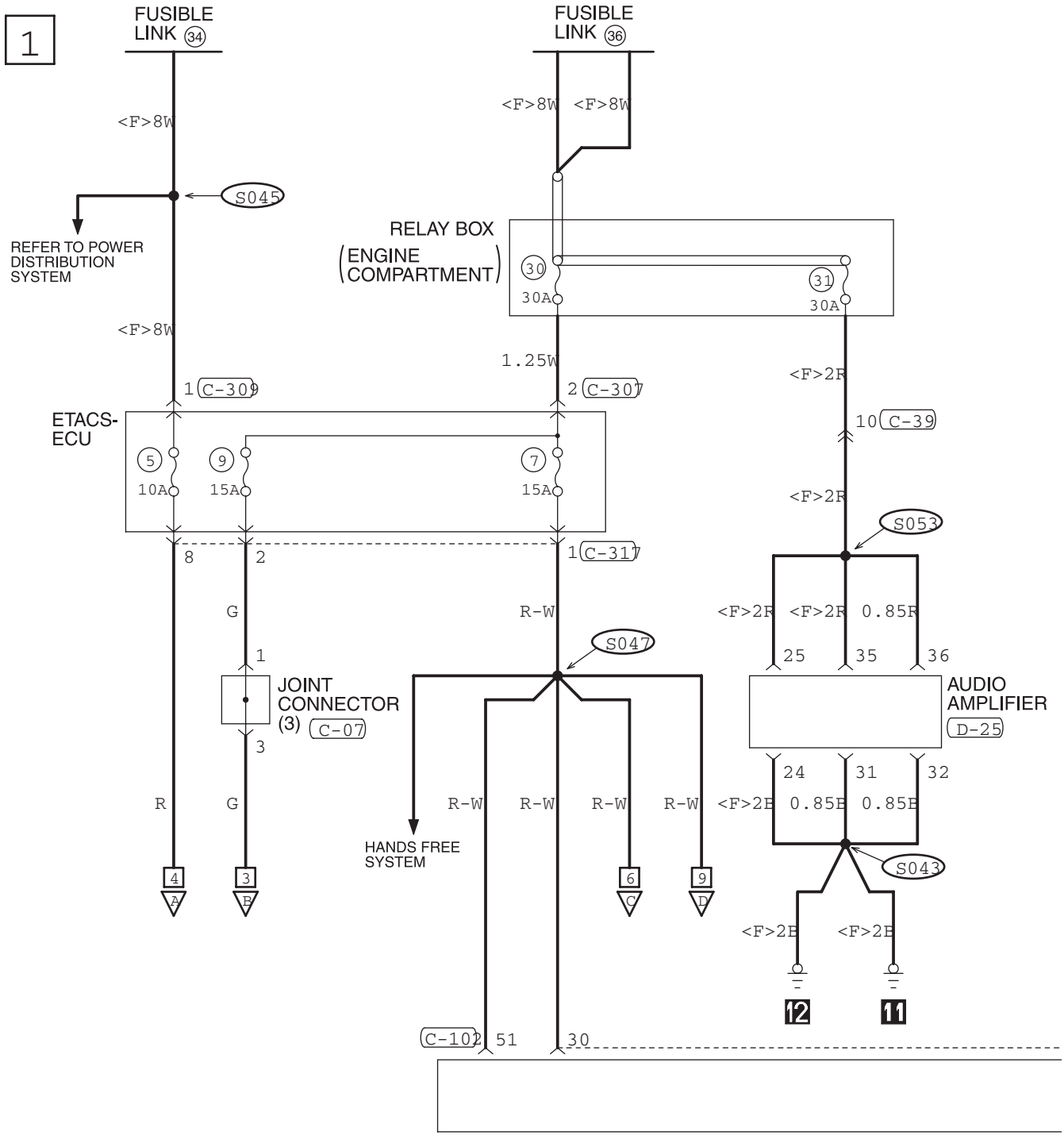
NOTES

AUDIO SYSTEM <VEHICLES WITH AUDIO AMPLIFIER>

M1901015602950



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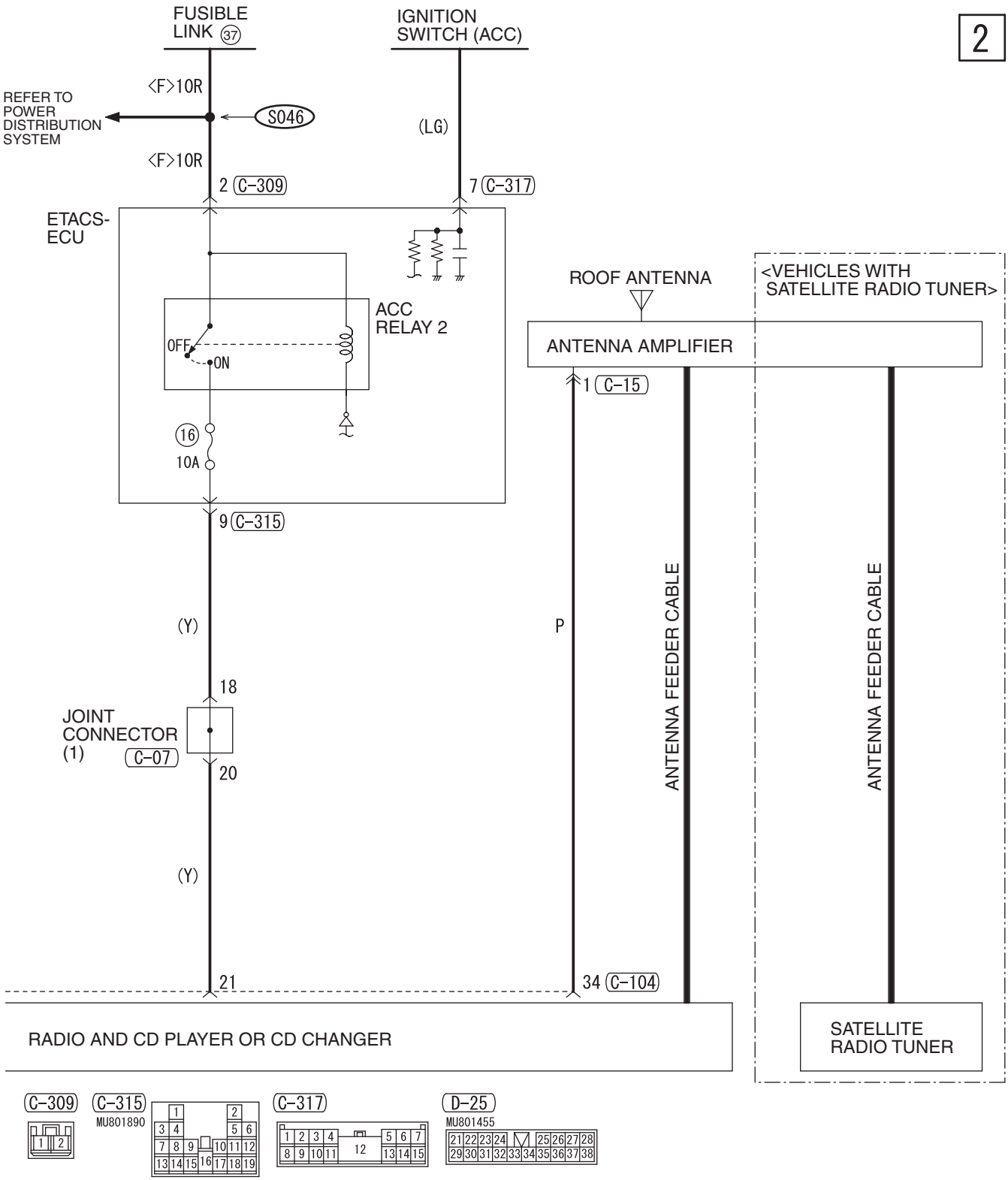

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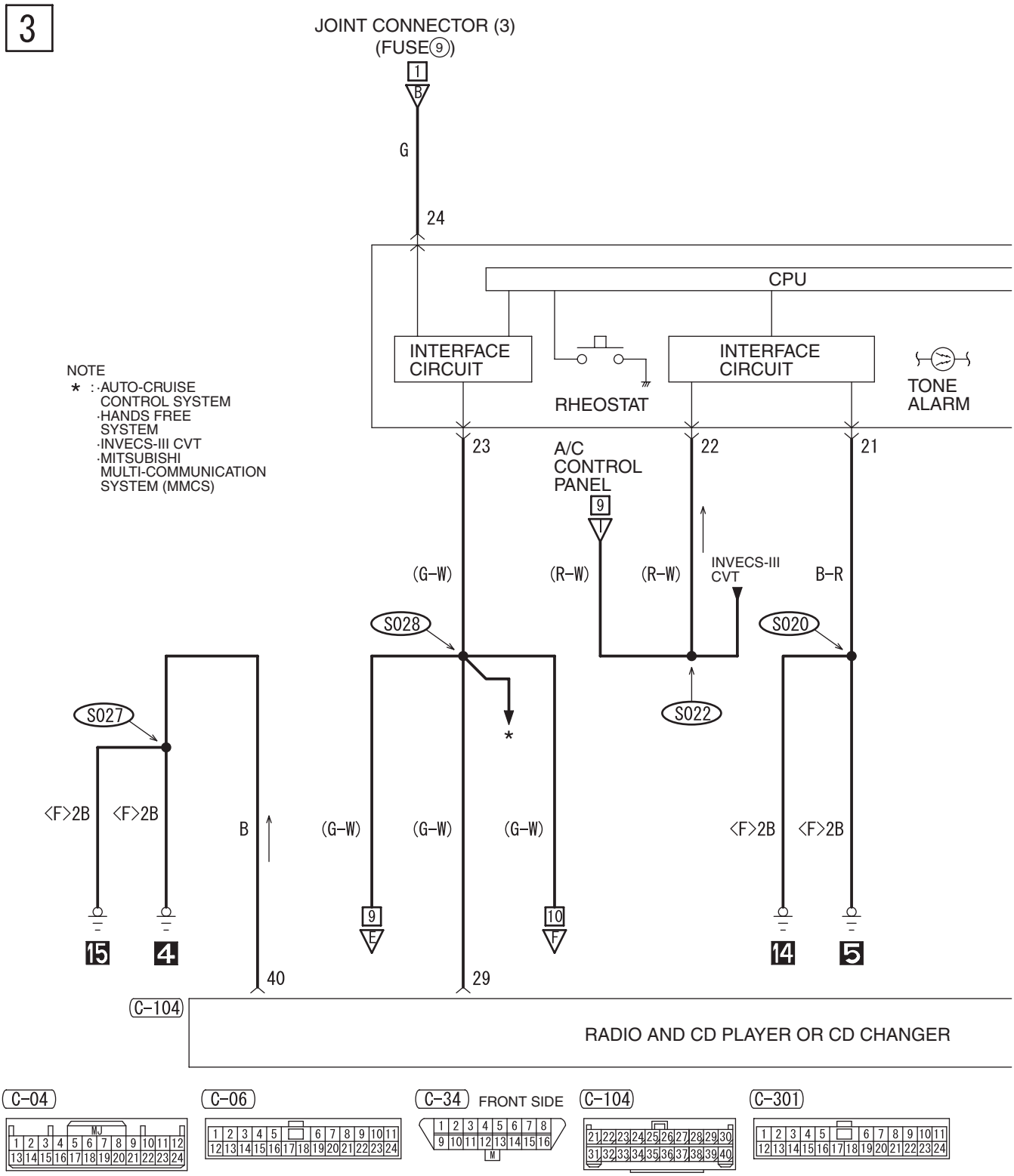
AUDIO SYSTEM <VEHICLES WITH AUDIO AMPLIFIER> (CONTINUED)



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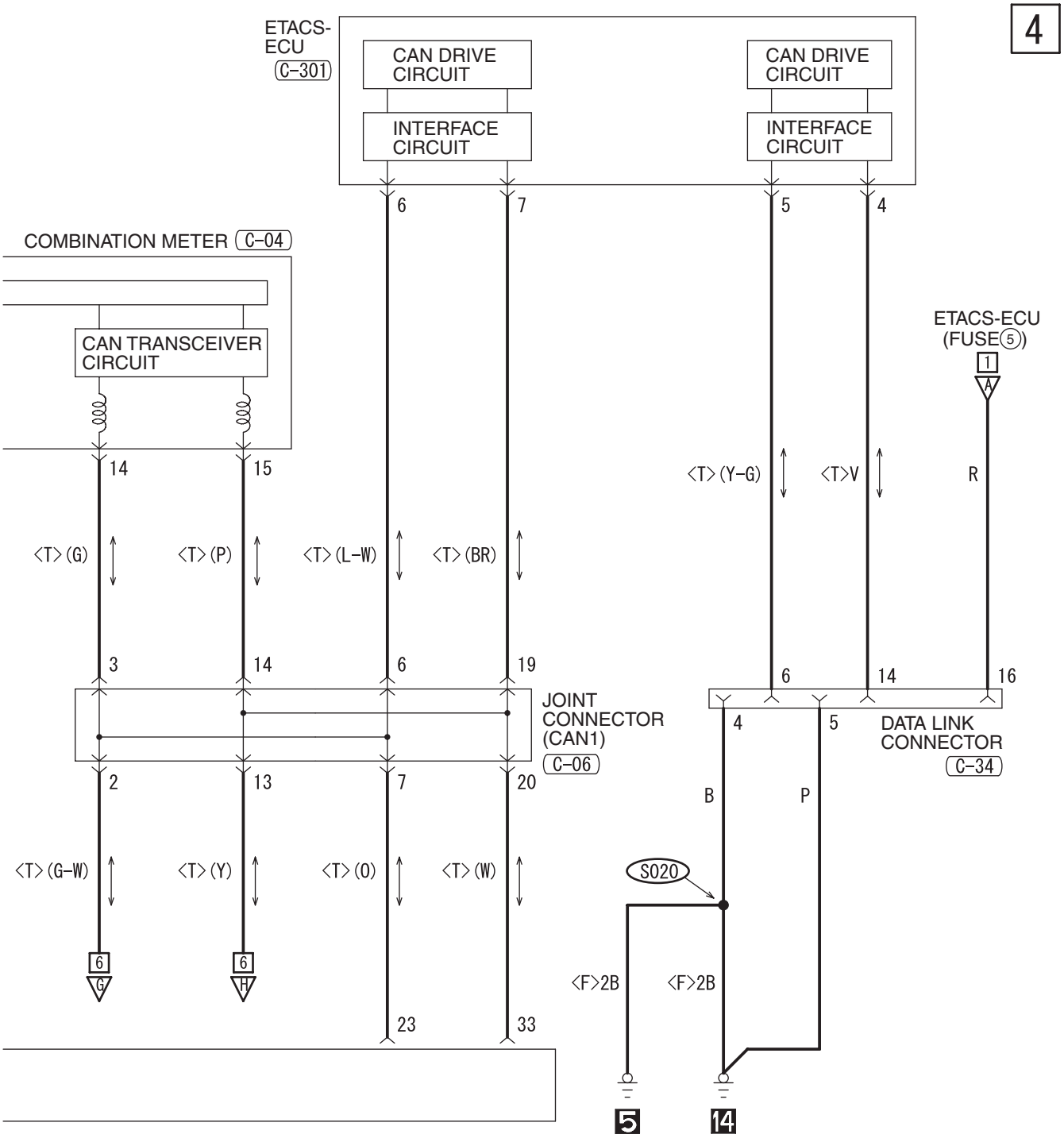

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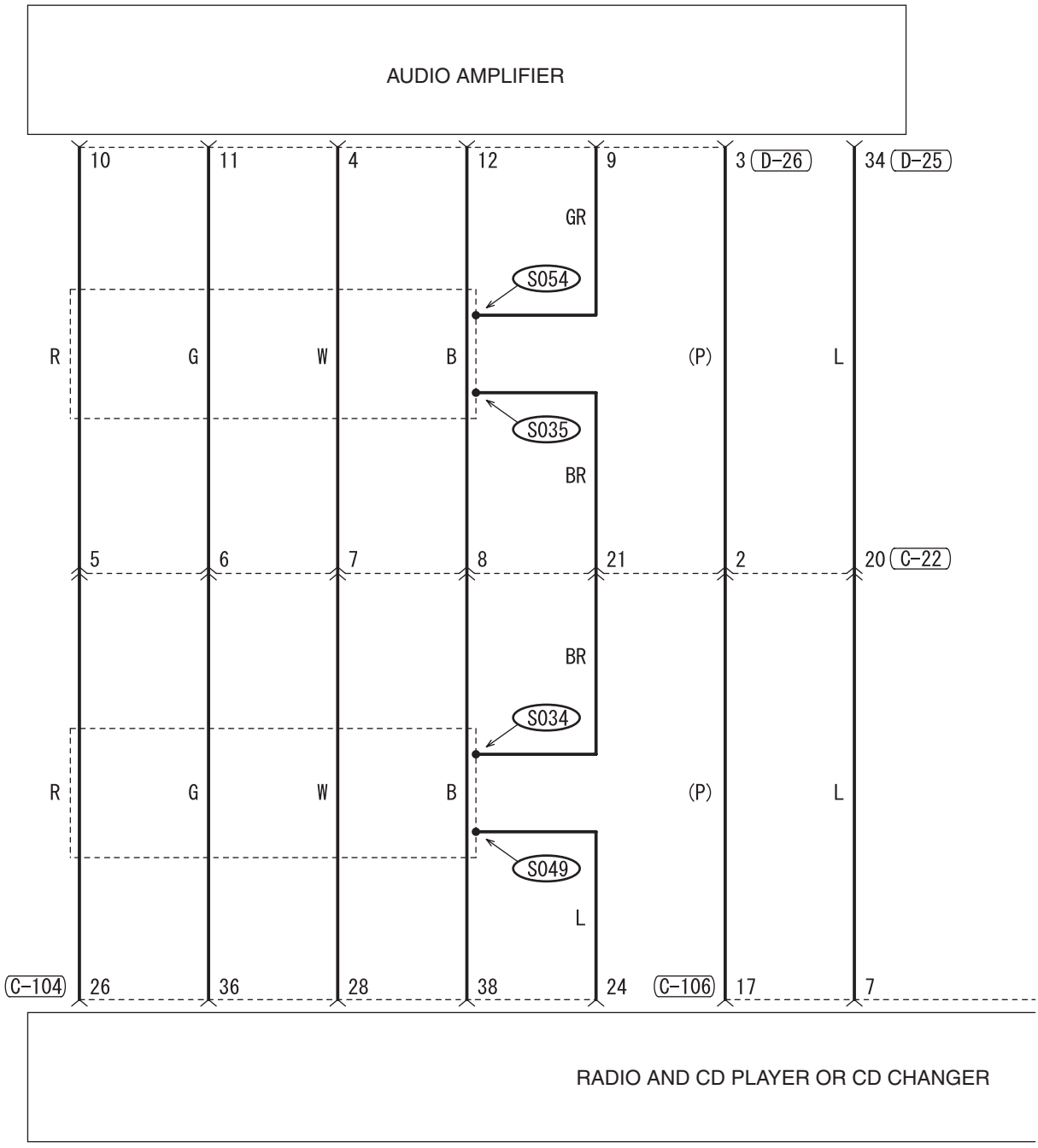
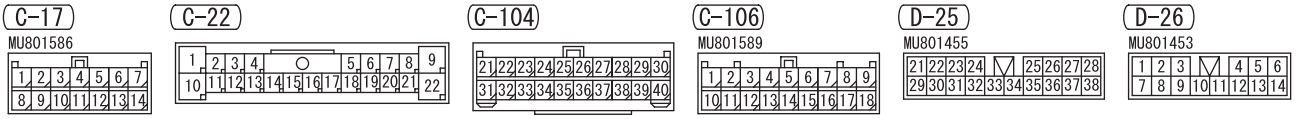
TSB Revision

AUDIO SYSTEM <VEHICLES WITH AUDIO AMPLIFIER> (CONTINUED)

5





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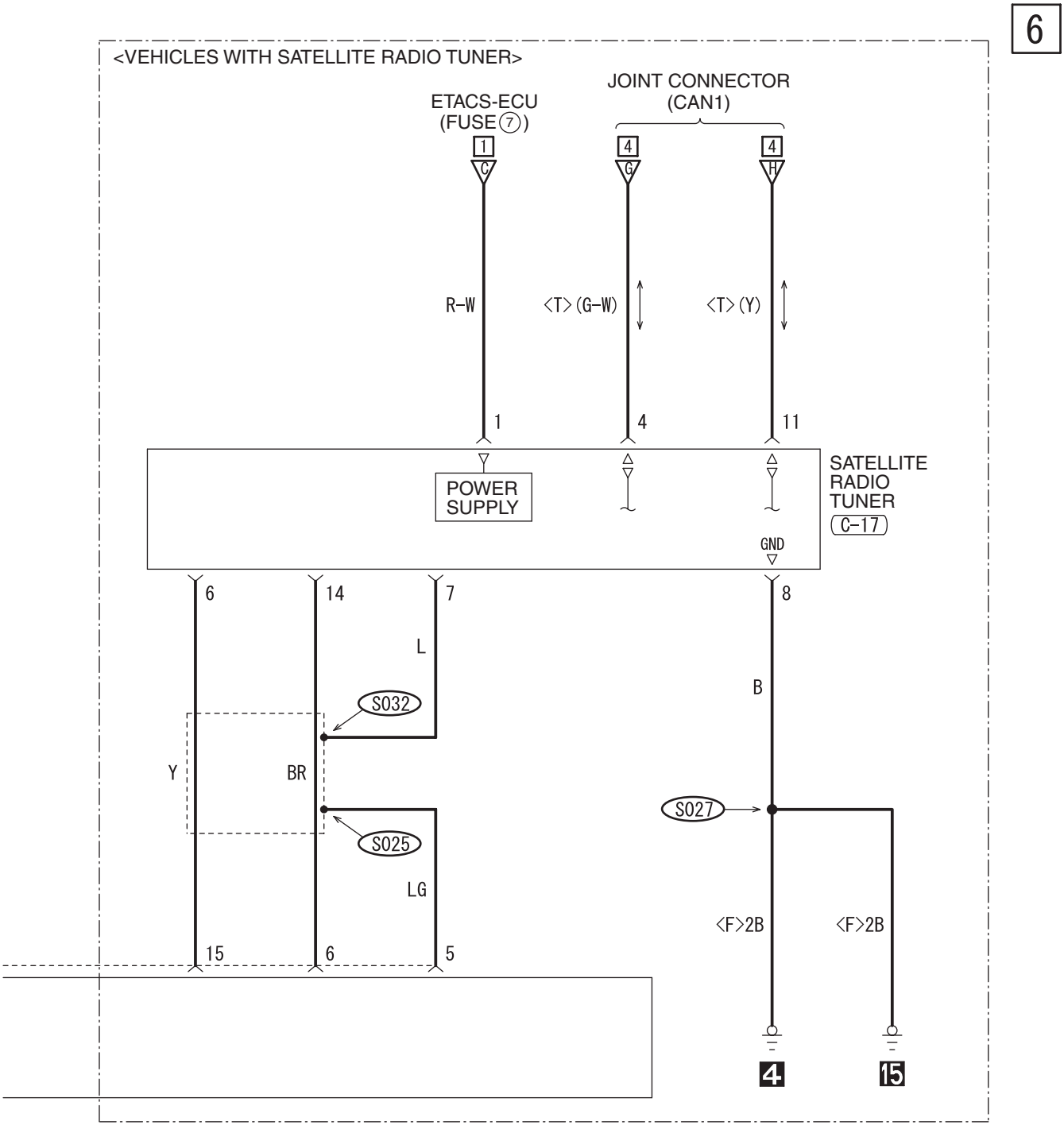

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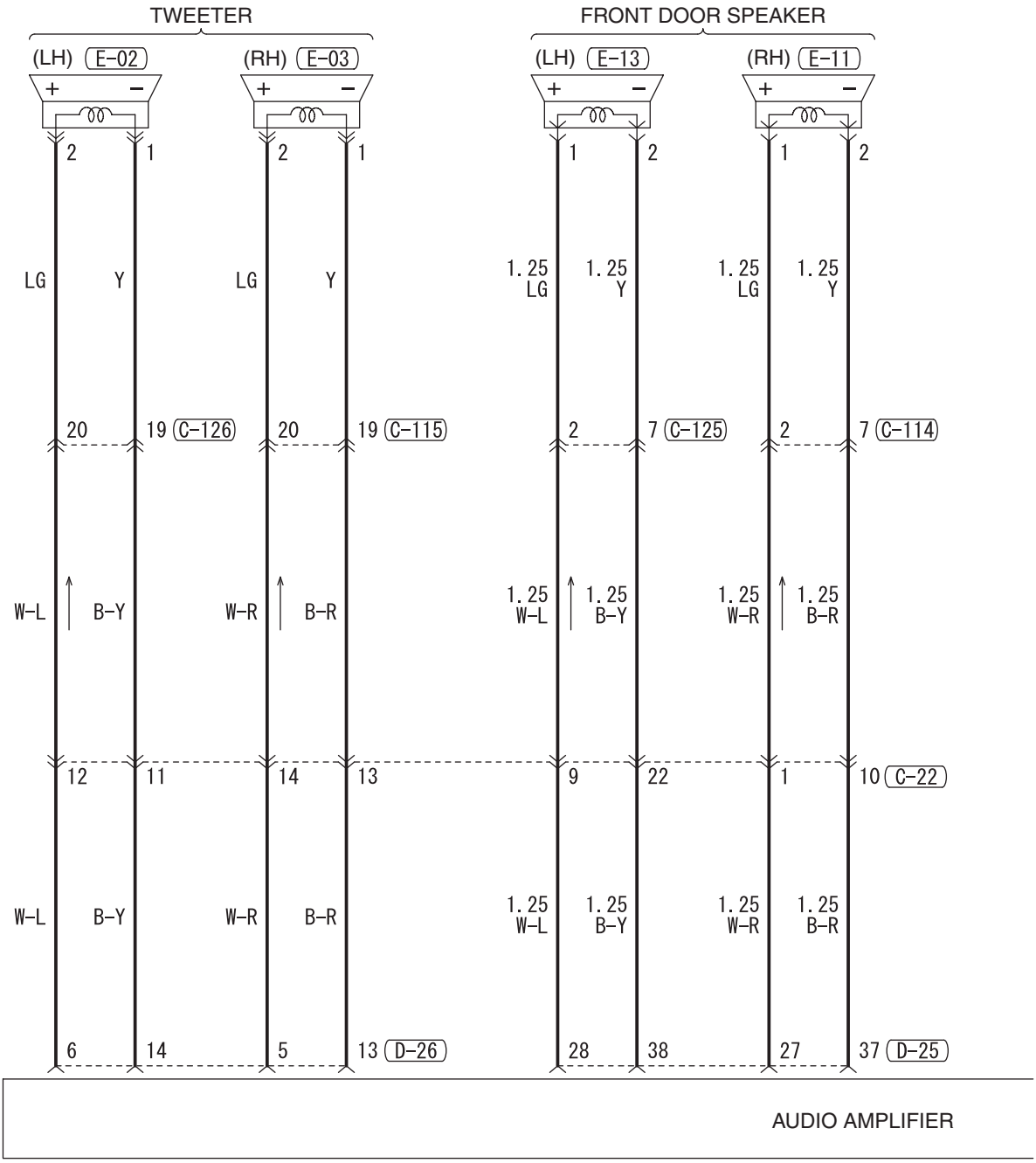
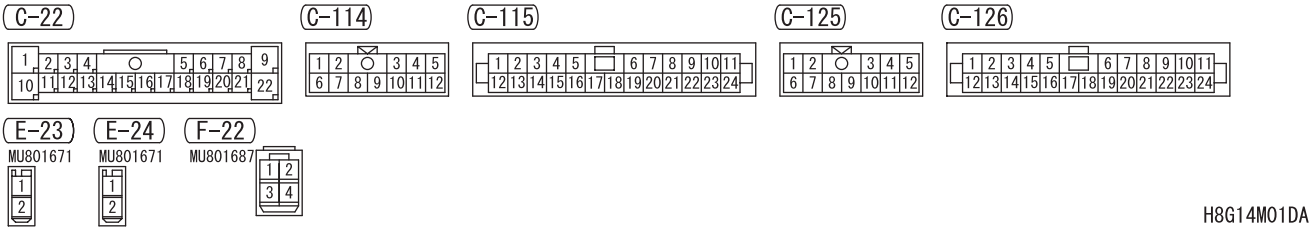
TSB Revision

AUDIO SYSTEM <VEHICLES WITH AUDIO AMPLIFIER> (CONTINUED)

7





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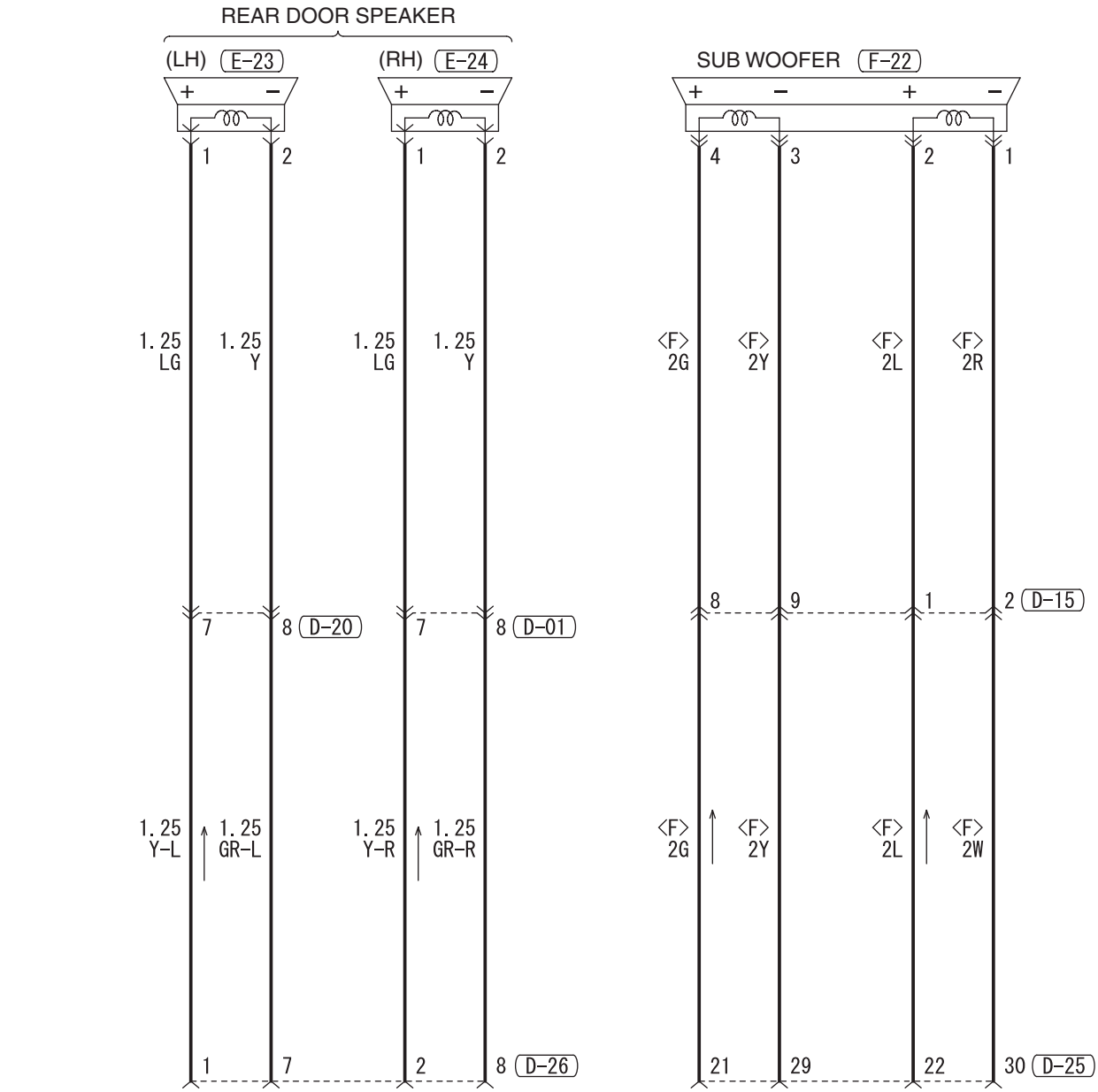
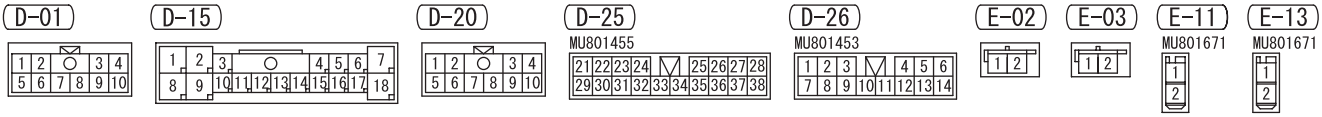
TSB Revision

8





WIRE COLOR CODE
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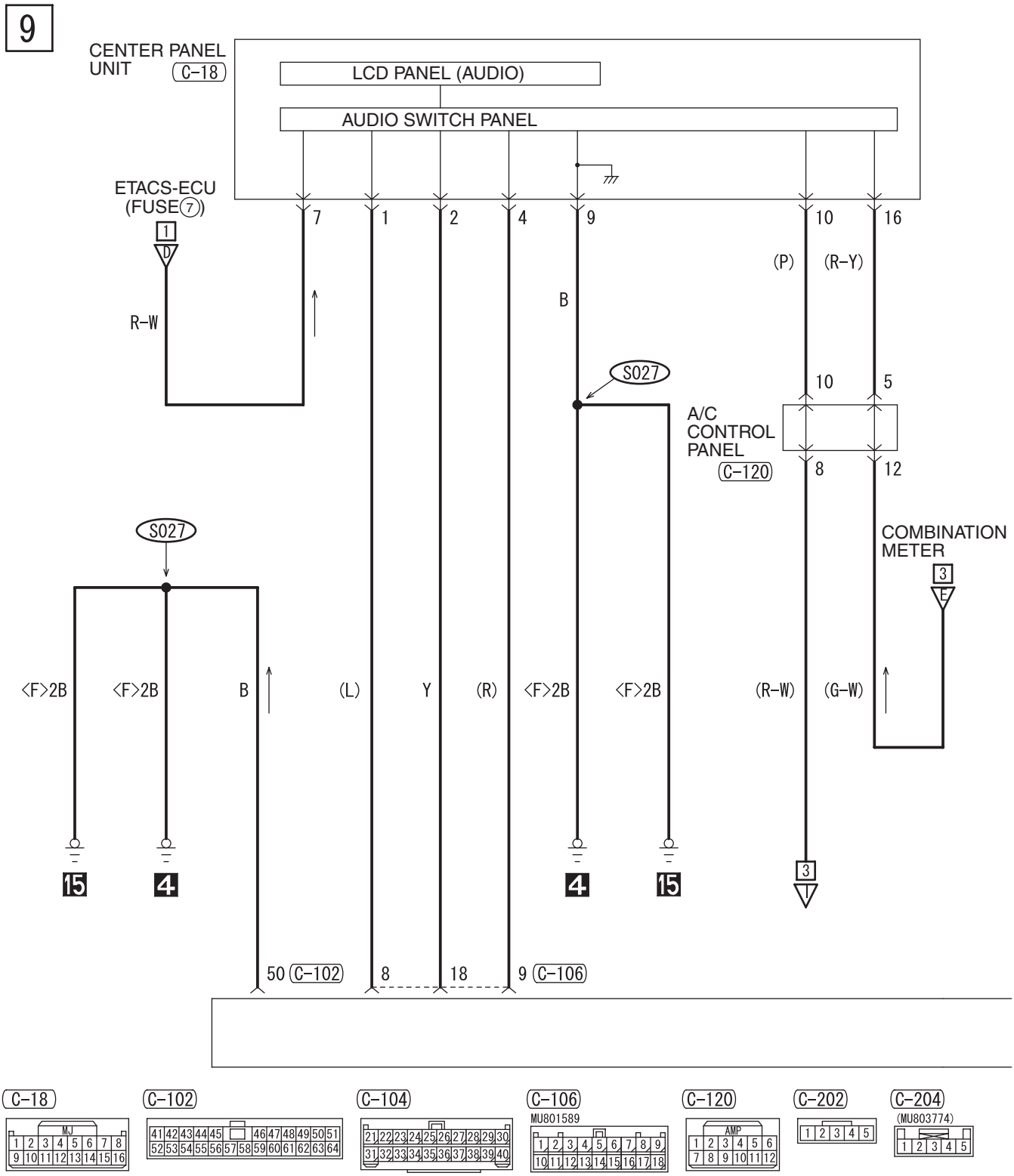
TSB Revision

AUDIO SYSTEM <VEHICLES WITH AUDIO AMPLIFIER> (CONTINUED)



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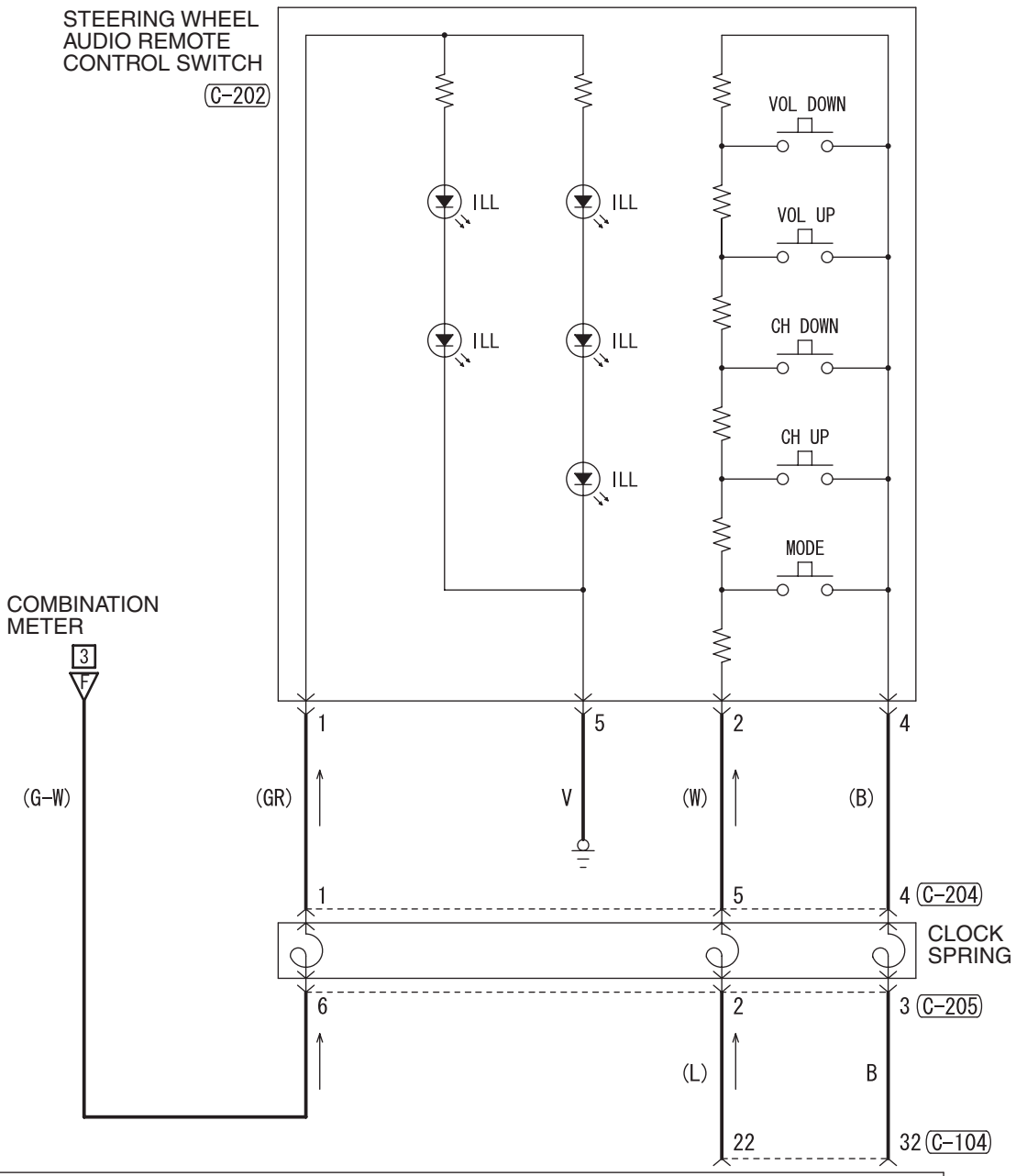
10



RADIO AND CD PLAYER OR CD CHANGER

C-205

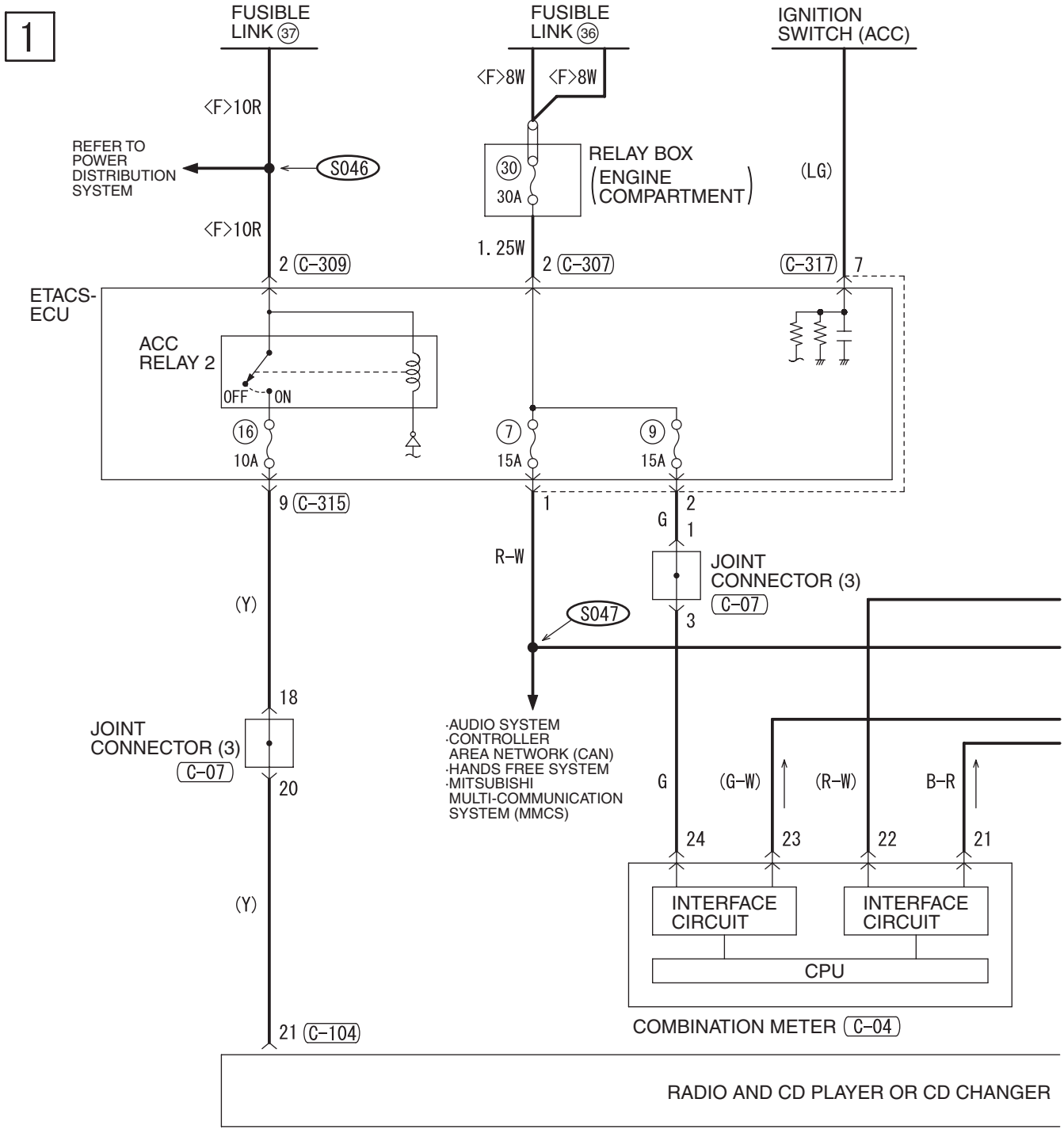
WIRE COLOR CODE
B : BLACK LG : LIGHT GREEN G : GREEN L : BLUE W : WHITE Y : YELLOW SB : SKY BLUE
BR : BROWN O : ORANGE GR : GRAY R : RED P : PINK V : VIOLET PU : PURPLE

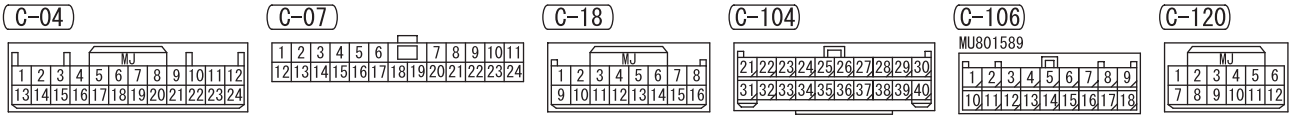
H8G14M01EB

TSB Revision

CLOCK

M1901007701669





H8G14M02AA

TSB Revision

MITSUBISHI MULTI COMMUNICATION SYSTEM (MMCS)

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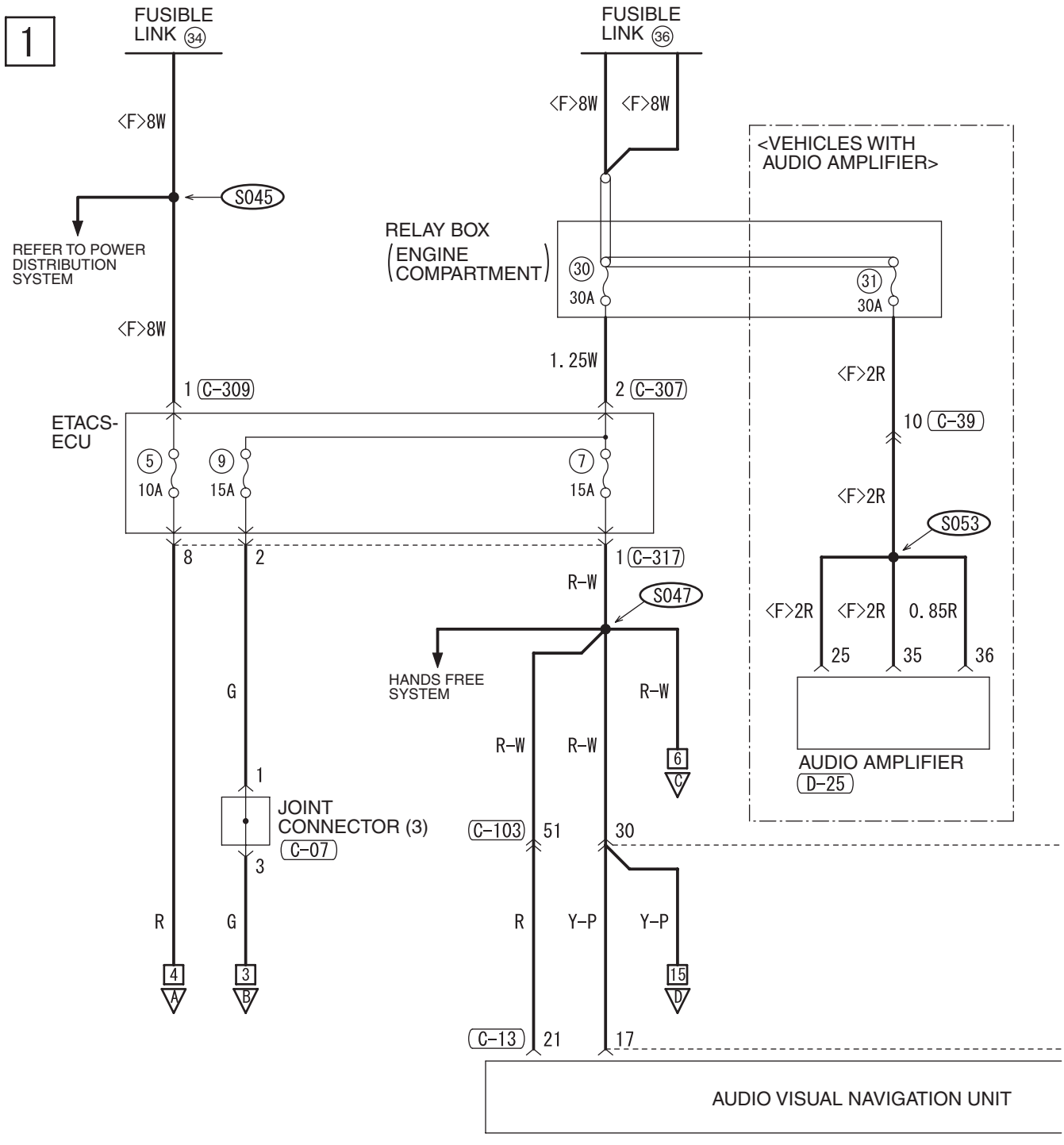
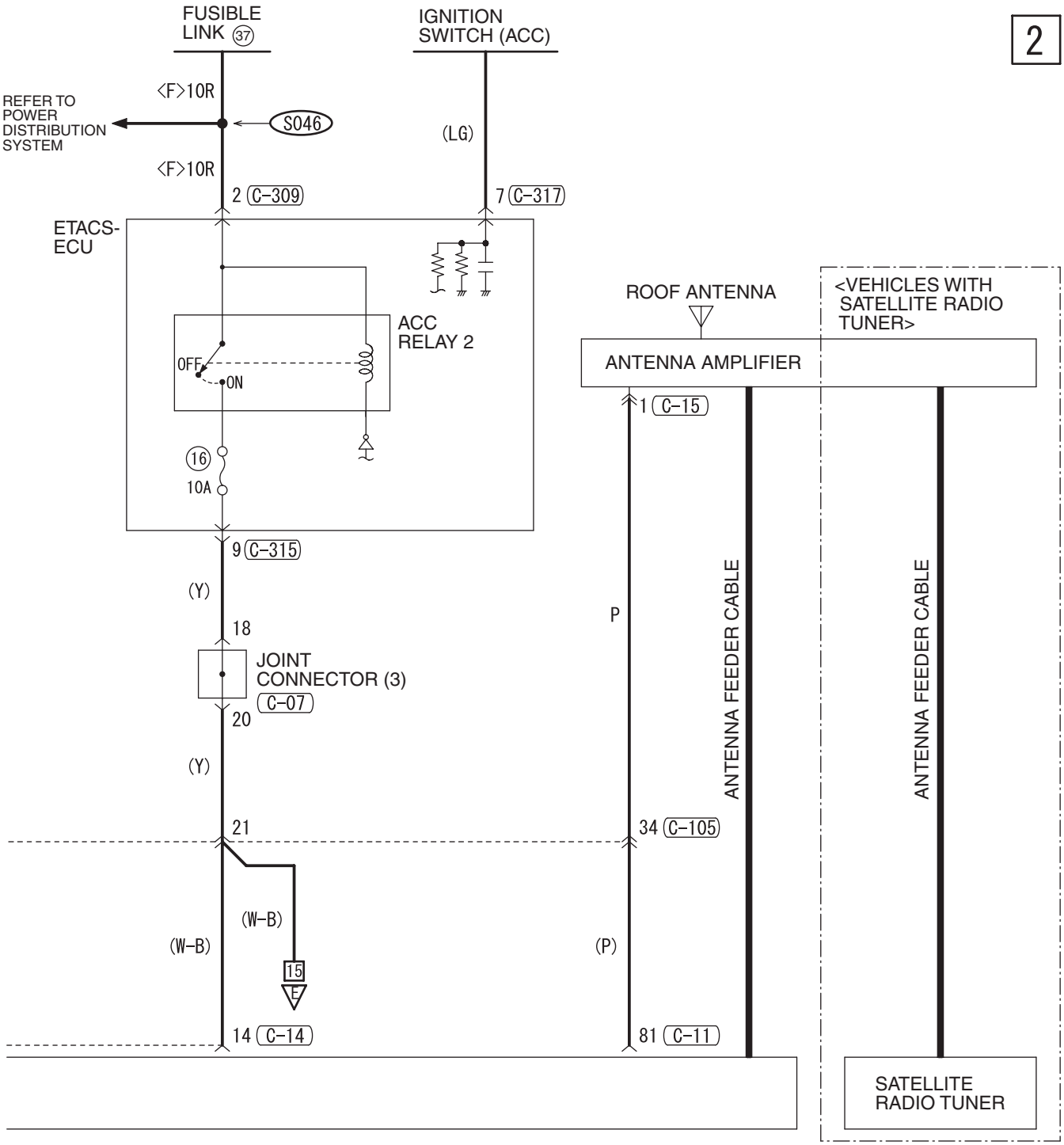


H8G14M04AA

TSB Revision

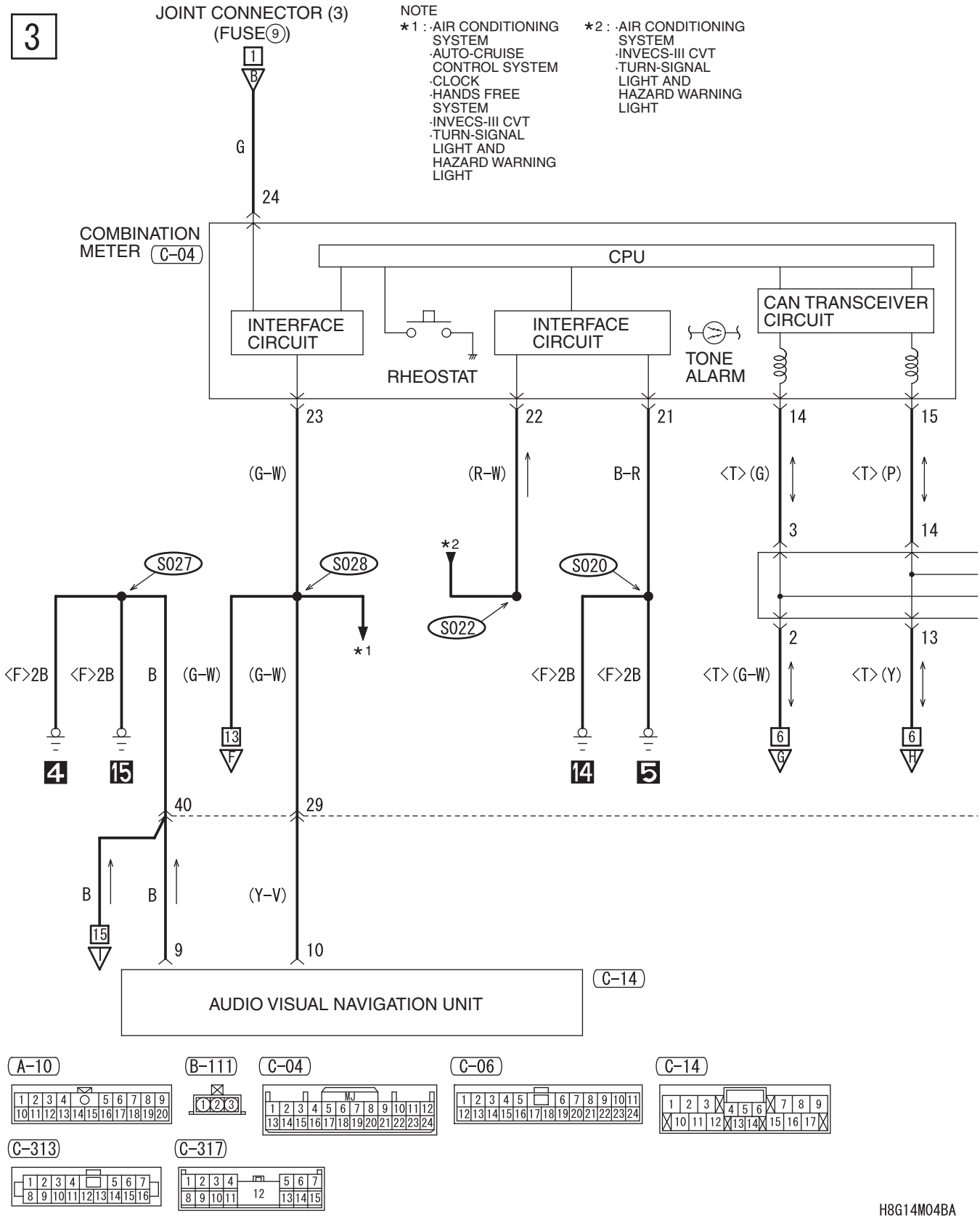


WIRE COLOR CODE
B : BLACK LG : LIGHT GREEN G : GREEN L : BLUE W : WHITE Y : YELLOW SB : SKY BLUE
BR : BROWN O : ORANGE GR : GRAY R : RED P : PINK V : VIOLET PU : PURPLE

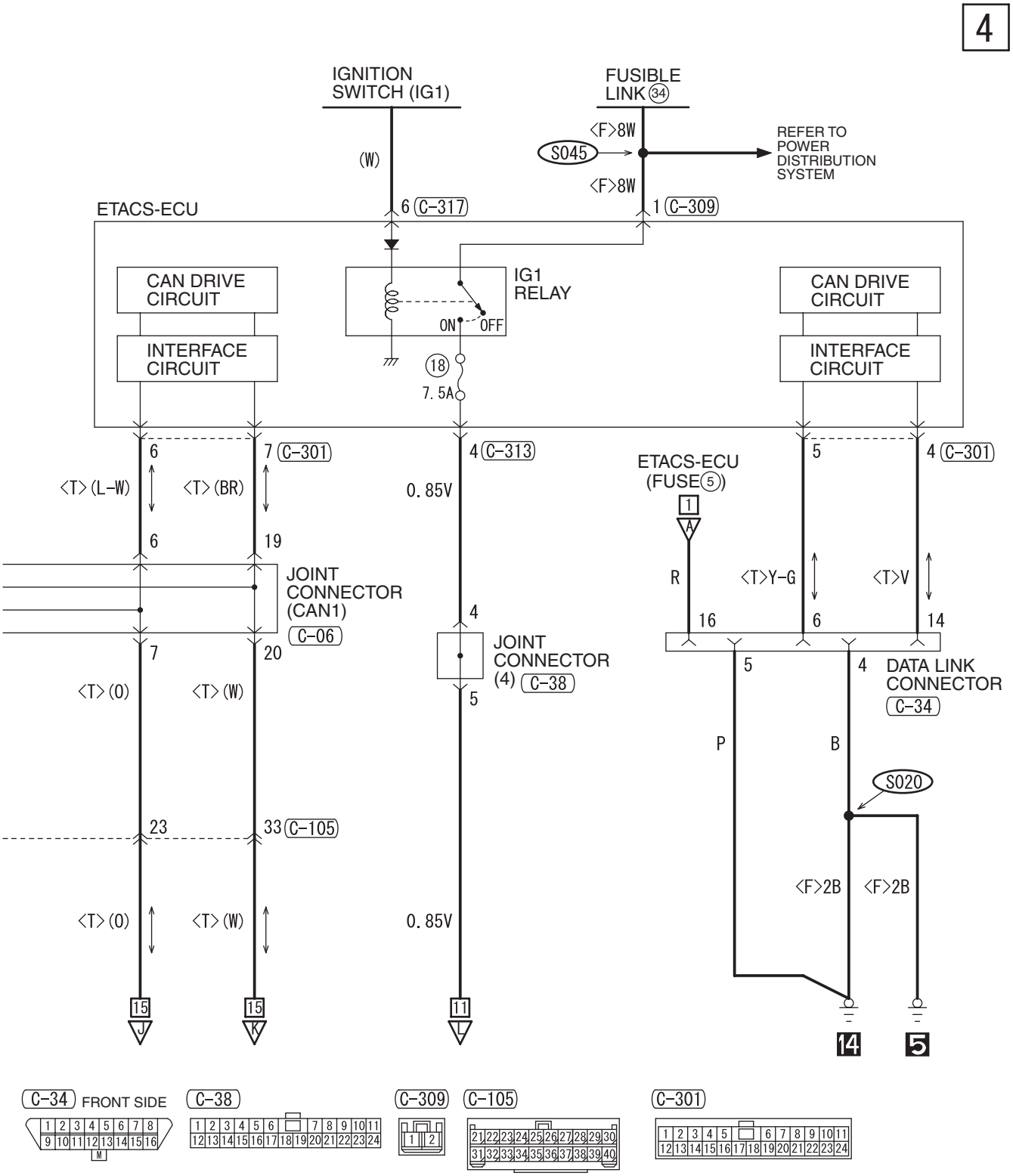
H8G14M04AB

TSB Revision

MITSUBISHI MULTI-COMMUNICATION SYSTEM (MMCS) (CONTINUED)



TSB Revision



WIRE COLOR CODE
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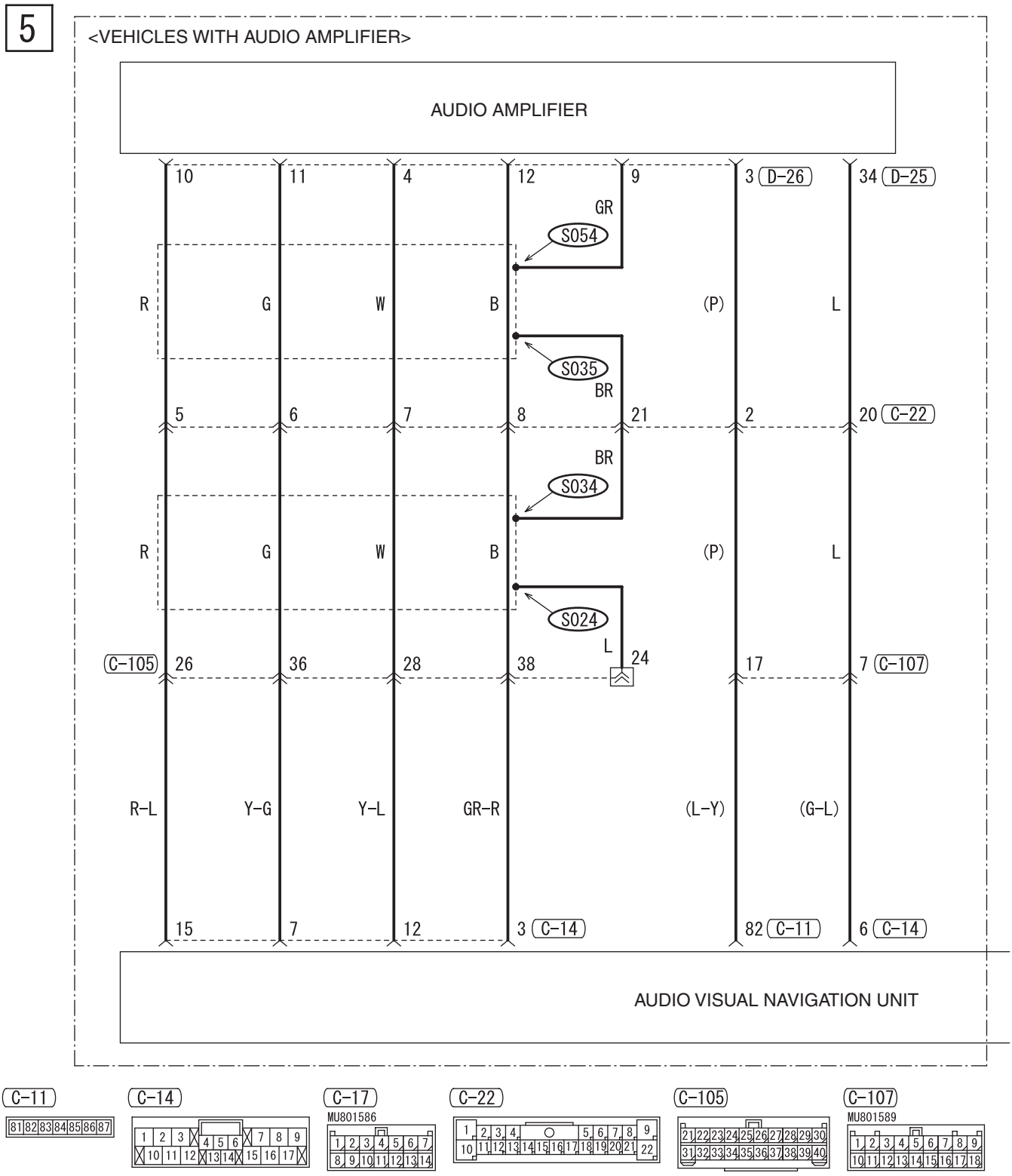
BR : BROWN O : ORANGE GR : GRAY R : RED P : PINK V : VIOLET PU : PURPLE

H8G14M04BB

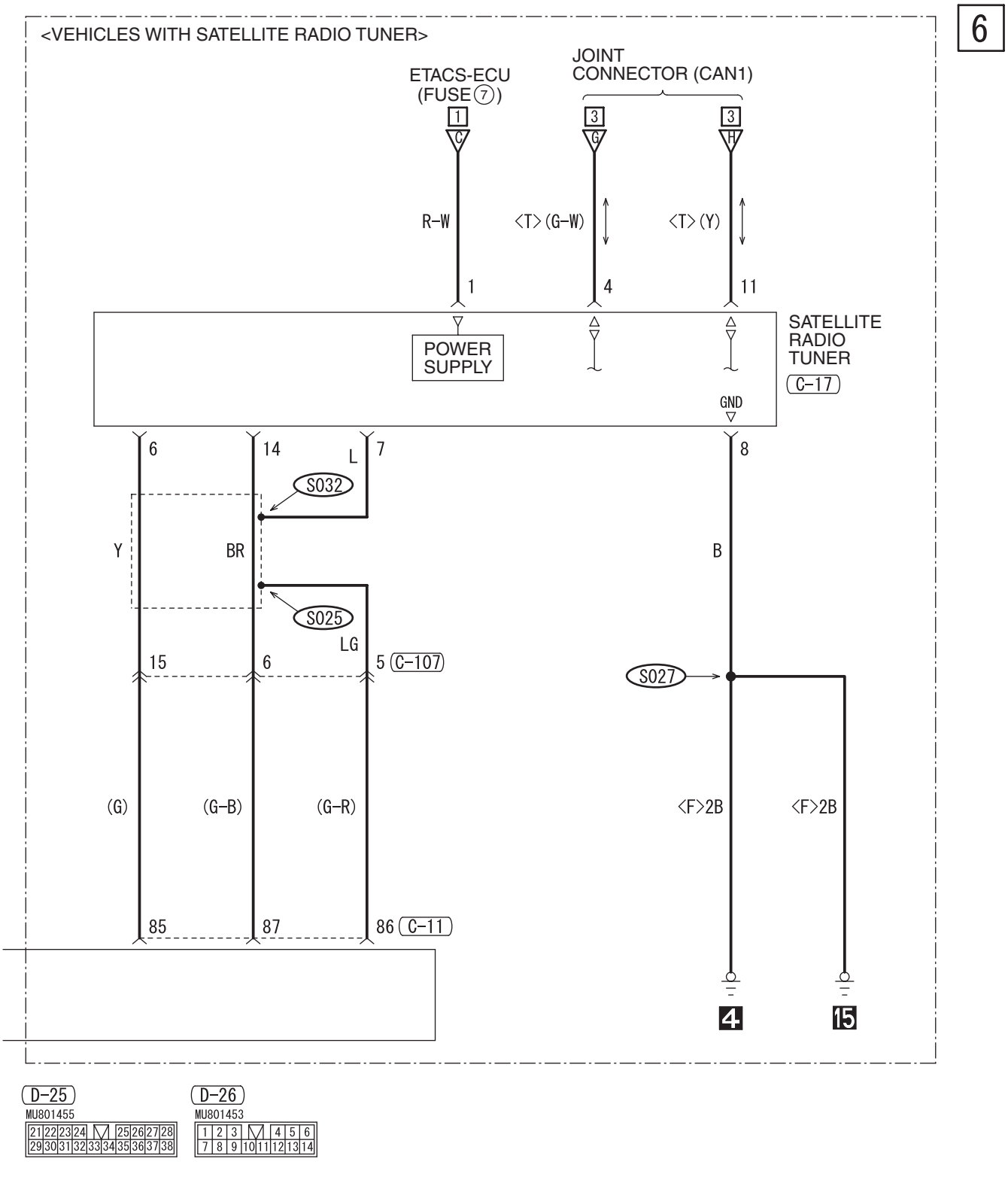
TSB Revision

MITSUBISHI MULTI-COMMUNICATION SYSTEM (MMCS) (CONTINUED)



H8G14M04CA

TSB Revision



WIRE COLOR CODE
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BR : BROWN O : ORANGE GR : GRAY R : RED P : PINK V : VIOLET PU : PURPLE

H8G14M04CB

TSB Revision