

2007-08 ACCESSORIES AND BODY, CAB

Audio System - TL

COMPONENT LOCATION INDEX

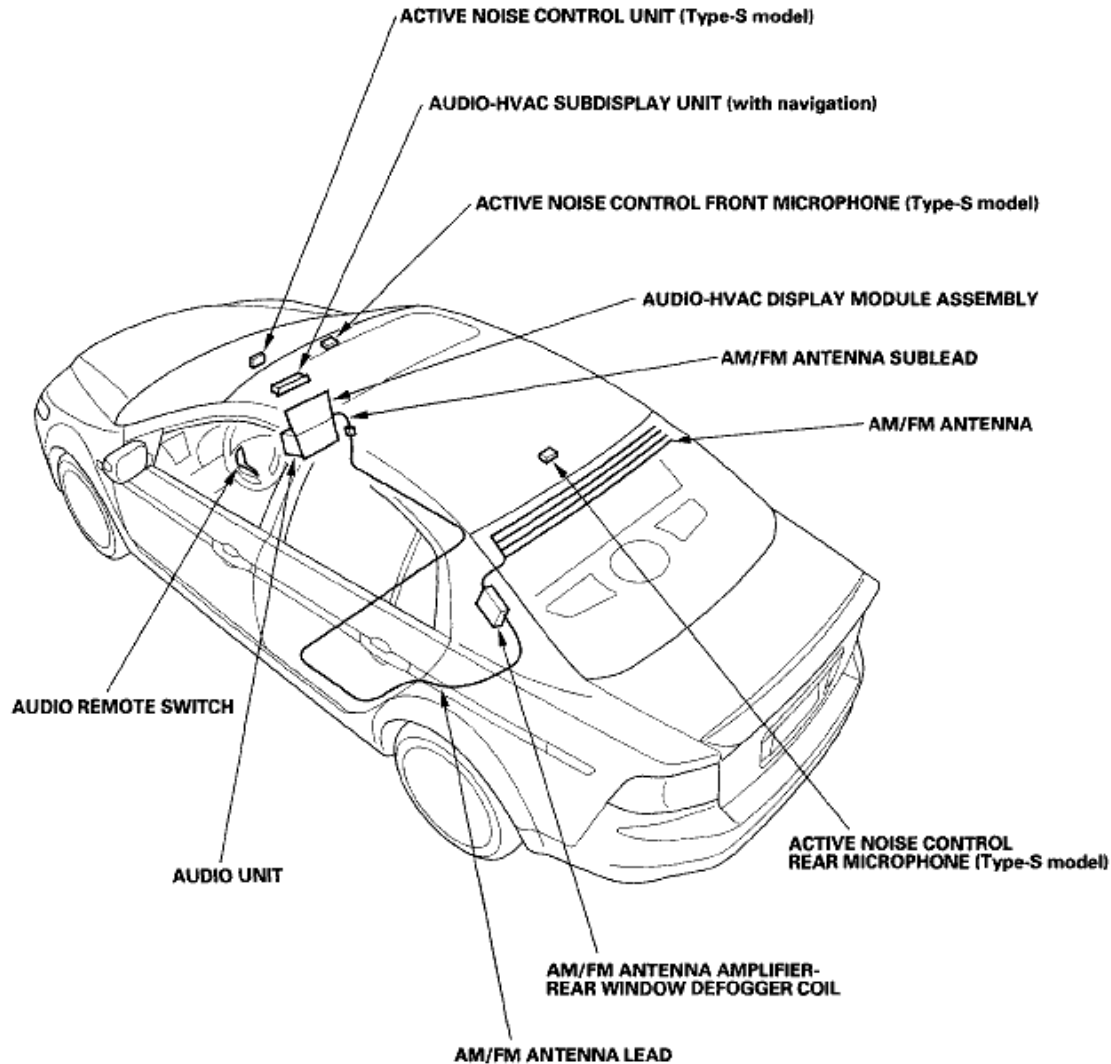


Fig. 1: Identifying Audio System Component Location (1 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

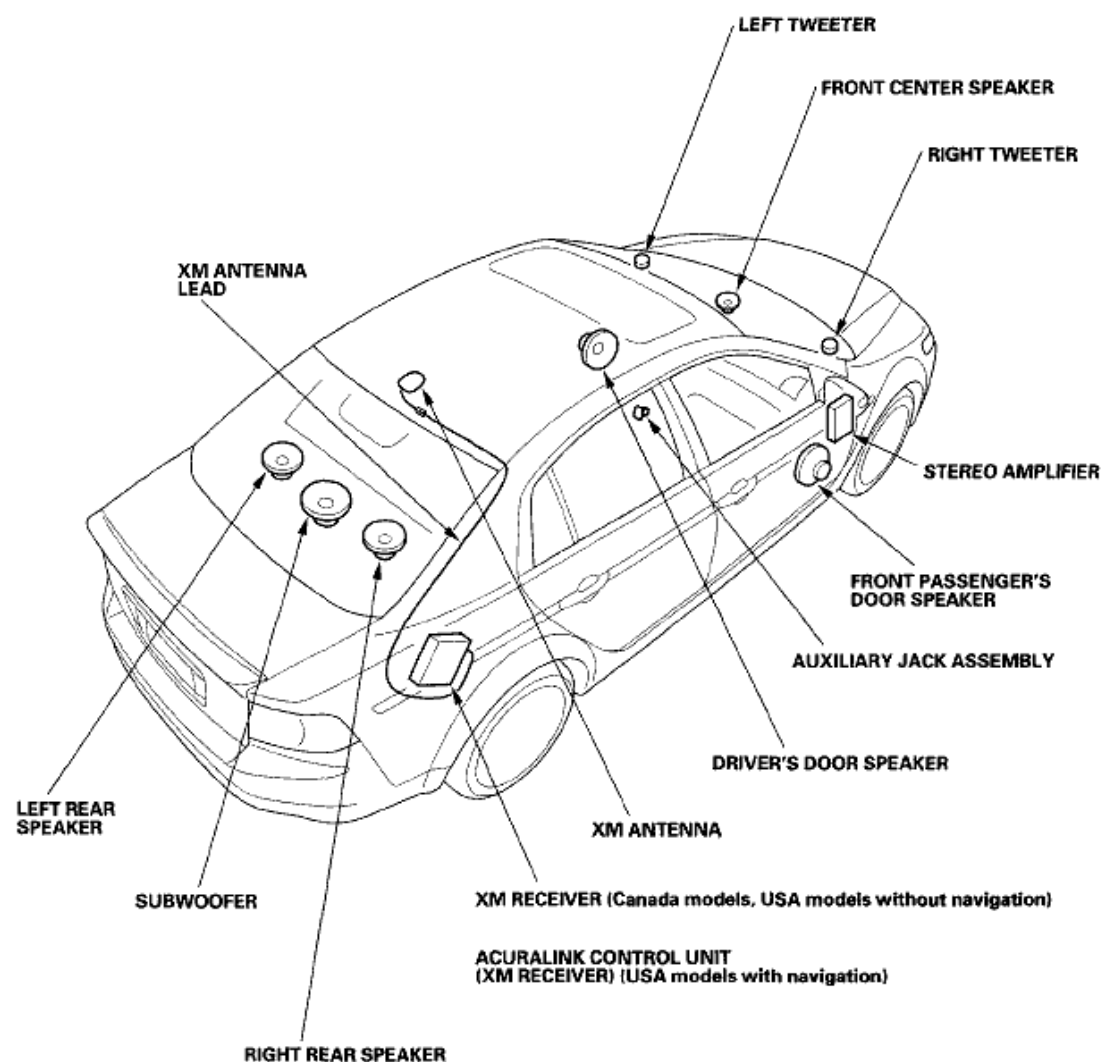


Fig. 2: Identifying Audio System Component Location (2 Of 2)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

SYMPTOM TROUBLESHOOTING INDEX

SYMPTOM TROUBLESHOOTING INDEX

Symptom	Diagnostic procedure	Also check for
Poor AM or FM radio reception or interference	Symptom Troubleshooting (see <u>POOR AM OR FM RADIO RECEPTION OR INTERFERENCE</u>)	- AM/FM antenna lead and/or sublead short or open in the wire - AM/FM antenna open
Power switch will not turn ON (No information display and no sound)	Symptom Troubleshooting (see <u>POWER SWITCH WILL NOT TURN ON (NO INFORMATION DISPLAY AND NO</u>	

	<u>SOUND</u>)	
Radio preset memory is lost	Symptom Troubleshooting (see <u>RADIO PRESET MEMORY IS LOST</u>)	Internal error
Power switch will not turn off radio (information on display)	Symptom Troubleshooting (see <u>POWER SWITCH WILL NOT TURN OFF RADIO (INFORMATION ON DISPLAY)</u>)	
Radio stays powered with the ignition switch OFF	Symptom Troubleshooting (see <u>RADIO STAYS POWERED WITH THE IGNITION SWITCH OFF</u>)	
Audio unit frequently asks for the anti-theft code	Symptom Troubleshooting (see <u>AUDIO UNIT FREQUENTLY ASKS FOR THE ANTI-THEFT CODE</u>)	
No sound is heard from speaker(s) (display is normal)	Symptom Troubleshooting (see <u>NO SOUND IS HEARD FROM SPEAKER(S) (DISPLAY IS NORMAL)</u>)	
Audio system sound is weak or distorted (display is normal)	Symptom Troubleshooting (see <u>AUDIO SYSTEM SOUND IS WEAK OR DISTORTED (DISPLAY IS NORMAL)</u>)	
Poor or no sound with XM radio (Audio unit does display XM channels)	1. Speaker check mode (see <u>SPEAKER CHECK MODE</u>) 2. Symptom Troubleshooting (see <u>POOR OR NO SOUND WITH XM RADIO (AUDIO UNIT DOES DISPLAY XM CHANNELS)</u>)	
Poor or no sound with tape/disc	Try a known-good tapes/disc in the audio unit. If the sound quality is normal, the original tape/disk is faulty. If the sound quality is still poor, replace the audio unit.	
Stereo amplifier has no sound	1. Speaker check mode (see <u>SPEAKER CHECK MODE</u>) 2. Symptom Troubleshooting (see <u>STEREO AMPLIFIER HAS NO SOUND</u>)	
Volume is too high or too low when driving at freeway speeds	Symptom Troubleshooting (see <u>VOLUME IS TOO HIGH OR TOO LOW WHEN DRIVING AT FREEWAY SPEEDS</u>)	
Volume does not increase with speed	Symptom Troubleshooting (see <u>VOLUME DOES NOT INCREASE WITH SPEED</u>)	
Auxiliary input sound is low or cannot be heard	Symptom Troubleshooting (see <u>AUXILIARY INPUT SOUND IS LOW OR CANNOT BE HEARD</u>)	
Audio system information does not display on the display panel (without navigation) or the audio-HVAC subdisplay unit (with navigation). The HVAC controls may also be affected	Symptom Troubleshooting (see <u>AUDIO SYSTEM INFORMATION DOES NOT DISPLAY ON THE DISPLAY PANEL (WITHOUT NAVIGATION) OR AUDIO-HVAC SUBDISPLAY UNIT (WITH NAVIGATION). THE HVAC CONTROLS MAY ALSO BE AFFECTED</u>)	

Audio remote switch does not work properly	Symptom Troubleshooting (see <u>AUDIO REMOTE SWITCH DOES NOT WORK PROPERLY</u>)	
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SYMPTOM CHART

Symptom	Diagnostic procedure	Also check for
Audio disc or tape does not load	Symptom Troubleshooting (see <u>AUDIO DISC OR TAPE DOES NOT LOAD</u>)	
Audio disc or tape does not play	Symptom Troubleshooting (see <u>AUDIO DISC OR TAPE DOES NOT PLAY</u>)	
Audio disc skips	Symptom Troubleshooting (see <u>AUDIO DISC SKIPS</u>)	Tire pressure (over-inflated), disc smudged; dirty, or scratched
Audio disc does not eject	Symptom Troubleshooting (see <u>AUDIO DISC DOES NOT EJECT</u>)	
Audio disc changer does not load all six discs	Symptom Troubleshooting (see <u>AUDIO DISC CHANGER DOES NOT LOAD ALL SIX DISCS</u>)	
Audio disc changer does not move between discs	Symptom Troubleshooting (see <u>AUDIO DISC CHANGER DOES NOT MOVE BETWEEN DISCS</u>)	
Volume does not change	Symptom Troubleshooting (see <u>VOLUME DOES NOT CHANGE</u>)	
Radio tuner does not change stations	Symptom Troubleshooting (see <u>RADIO TUNER DOES NOT CHANGE STATIONS</u>)	
Audio unit button illumination does not work	Symptom Troubleshooting (see <u>AUDIO UNIT BUTTON ILLUMINATION DOES NOT WORK</u>)	
Display does not dim or brighten with dimmer	Symptom Troubleshooting (see <u>DISPLAY DOES NOT DIM OR BRIGHTEN WITH DIMMER</u>)	
Error code: XM NO SIGNAL is displayed	Symptom Troubleshooting (see <u>ERROR CODE: XM NO SIGNAL IS DISPLAYED</u>)	
Error code: XM ANTENNA is displayed	Symptom Troubleshooting (see <u>ERROR CODE: XM ANTENNA IS DISPLAYED</u>)	
XM radio display is blank and no station information is displayed (Canada models, USA models without navigation)	Symptom Troubleshooting (see <u>XM RADIO DISPLAY IS BLANK AND NO STATION INFORMATION IS DISPLAYED (CANADA MODELS, USA MODELS WITHOUT NAVIGATION)</u>)	
XM radio display is blank and no station information is displayed (USA models with navigation)	Symptom Troubleshooting (see <u>XM RADIO DISPLAY IS BLANK AND NO STATION INFORMATION IS DISPLAYED (USA MODELS WITH NAVIGATION)</u>)	
XM radio preset memory is lost	Symptom Troubleshooting (see <u>XM RADIO PRESET MEMORY IS LOST</u>)	Wrong remote used (driver 2 vs. driver 1)
Booming sound while driving	Symptom Troubleshooting (see <u>BOOMING</u>)	

with audio unit on or off

**SOUND WHILE DRIVING WITH AUDIO
UNIT ON OR OFF)****SYSTEM DESCRIPTION****OVERVIEW**

The audio unit acts as the processor for all audio functions. You can select of the audio functions from the front panel, the audio remote (on the steering wheel), or by using the navigation voice control system. The audio display provides the current front and rear audio status. For vehicles with the navigation option, additional audio information is available by touching the audio button (See the owner's manual for more details).

Each audio component passes its audio signal to the audio unit. In addition, it communicates with the audio unit via the GA-Net bus. Any open connection in this circuit will cause audio and navigation functions to appear inoperative.

With the premium sound system, an audio amplifier unit powers the speakers, otherwise the speakers are powered directly by the audio unit.

The audio unit has a built-in EEPROM (electrically erasable programmable read-only memory). This memory holds the audio presets (AM/FM radio frequency, sound settings, etc.) even when the battery is disconnected.

The system includes an active noise control system to cancel some of the vehicle noise. It uses a sine-wave-sound output to cancel low frequency noise. Two microphones detect the low frequency sound, and the system outputs a canceling sound through the audio speakers.

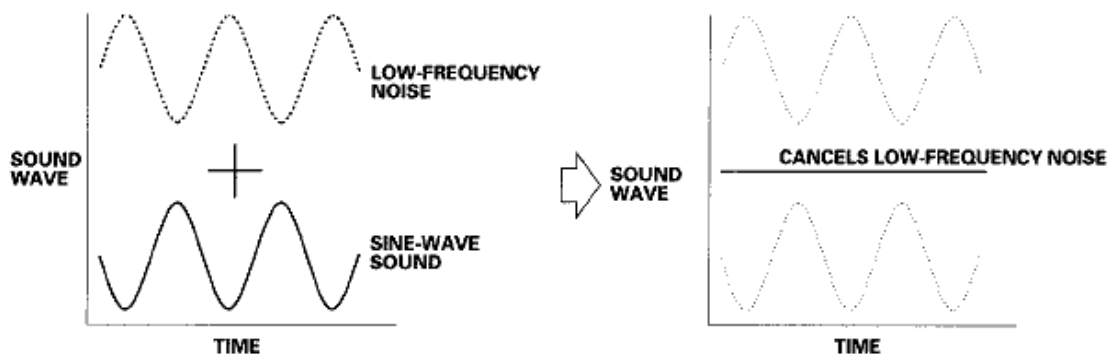


Fig. 3: Audio Wave-Sound Frequency
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Speed-sensitive volume compensation (SVC)

The audio systems are equipped with speed-sensitive volume compensation (SVC). The audio unit receives the vehicle speed pulse (VSP) from the ECM/PCM. The system processes the speed input and increases the audio system volume level as the vehicle speed increases to compensate for the various interior noises that occur at higher speeds. When the vehicle slows down, the volume returns to its normal level. The SVC has four settings: SVC OFF, LOW, MID and HIGH that can be adjusted using the audio unit. The SVC comes from the factory with MID set as the default (See the Owner's Manual for more information).

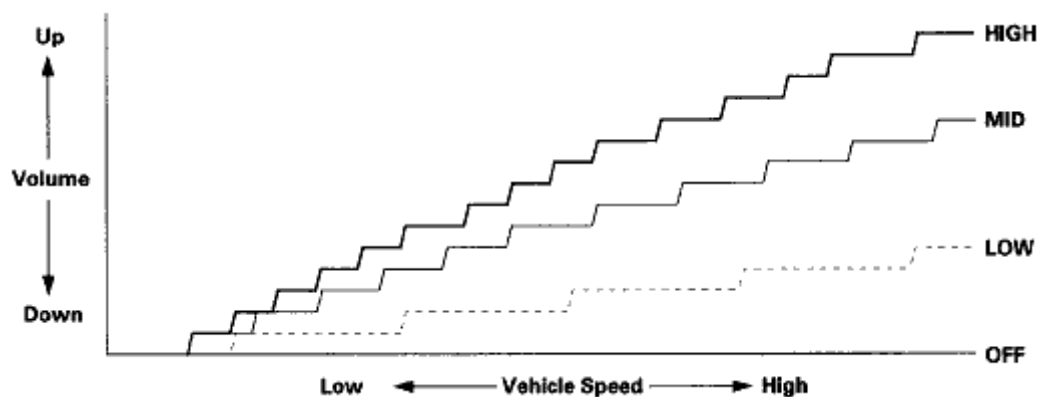


Fig. 4: Volume Level Graph

Courtesy of AMERICAN HONDA MOTOR CO., INC.

The navigation system provides voice control for front/rear audio, XM, and CD player. Voice control commands are communicated on the GA-Net (audio unit). When using the TALK/BACK or route guidance (RG), only the center speaker gives the navigation instructions. When using HFL/AcuraLink, the center speaker, the rear speakers, and the subwoofer are muted and the front left/right speakers give the telephone sound. When using HFL/AcuraLink and RG or TALK/BACK, the rear speakers, and the subwoofer are muted and the front speakers give the telephone sound and the navigation instructions. Muting commands are passed on the GA-Net bus. For more information, see **NAVIGATION SYSTEM**. The outline of the audio interruption function is shown in the following table.

AUDIO FUNCTION CHART

Contents	Audio output					
	Center CH	Left front CH	Right front CH	Right rear CH	Left rear CH	Subwoofer CH
TALK/BACK	Navigation sound	MUTE	MUTE	MUTE	MUTE	MUTE
Route guidance	Navigation sound	MUTE	MUTE	Audio	Audio	Audio
HFL/AcuraLink	MUTE	Telephone sound	Telephone sound	MUTE	MUTE	MUTE

System Diagram

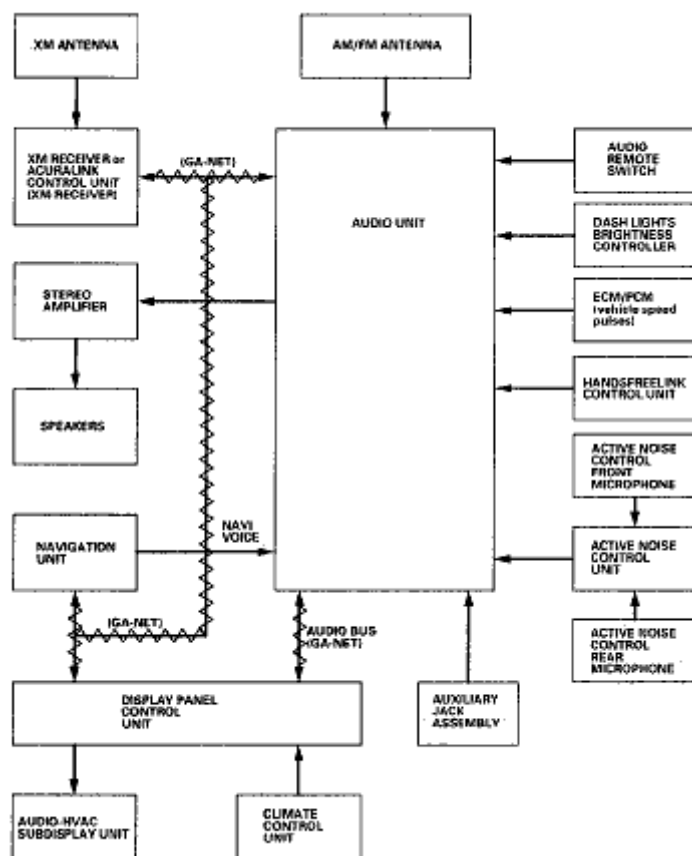


Fig. 5: Audio System Diagram

Courtesy of AMERICAN HONDA MOTOR CO., INC.

NOTE: All items may not apply to this vehicle. See the Owner's Manual for more information.

Audio Glossary

AUDIO GLOSSARY

Item	Definition
Active Noise Control	The active noise control system cancels some of the vehicle noise. This occurs in the 1,500-2,400 rpm range. Microphones detect the low frequency sound, and the system outputs a cancelling sound from the audio speaker.
AM (Amplitude Modulation)	The type of transmission used in the standard radio broadcast band from 530 to 1,705 kHz.
Amplifier	A device that increases the level of a signal by increasing the current or voltage.
Antenna	A device used to send or receive electromagnetic waves through the air.
ATA (PC Card)	A type of card that has been tested for use in playing WMA, and MP3 music files in the PC card slot. Sizes of up to 1 GB have been tested.
Auxiliary jack	Allows the customer to use a portable audio device to input music recordings.
Audio Remote switch	The switches on the steering wheel that control the audio system.
Balance	A control that changes the relative volume of the left and right channels.
Band	A range of frequencies between two definite limits. Bands are assigned by the

	Federal Communications Commission for specific uses.
Bass	An adjustment for the low frequency sounds of around 160 Hz and below.
Byte	A unit of storage for computer files and memory. A CD holds approximately 700 million bytes.
Cassette	Audio or video magnetic tape container having two reels. Customers can insert it for recording or play back.
Compact Flash	A standard for small-size (3x4 cm), memory cards used in mobile computers, PDAs, digital cameras. Compact flash memory cards are available in size of 32 MB up to 4 GB or more and can be played in the audio PC slot. Sizes above 1 GB has not been tested.
CD (Compact Disc)	A 4.5-inch plastic disc containing digital audio recording that is played optically on a laser equipped player. Never use discs with a paper label. In a hot car, labels can curl up and jam the unit.
CD (audio disc) Changer	CD player that can store and play more than one CD. Two types are available. Some units accept CDs fed into the changer one at a time, and others accept a magazine (with CD's stacked in a container).
CD player	A component designed to play compact disc CD recording using a laser optical pickup. The signal from a CD player usually requires amplification.
Distortion	Inexact reproduction of an audio signal caused by playing music at levels the audio system cannot handle.
Dolby (noise reduction)	A processing system developed by Dolby Laboratories that reduces the background noise on recording media. The result is a clearer playback from the audio system.
DVD (Digital Versatile Disc)	A 4.5-inch CD-like format used for storing movies with digital audio and video features. The DVD-A format is a DVD format designed for DVD audio systems. Some vehicles can play DVD and DVD-A formats.
Equalizer	A device that changes the relative volume of individual frequency bands to suit personal tastes of the listener.
Fader	The control that adjusts the relative volume levels of front and rear speakers in a four-speaker system.
Format	To prepare a PC card to receive files, this function is performed on a PC. Always choose either FAT or FAT32 as the NTFS format is not accepted by the system. Pick the default sectors for the format method selected.
FM (Frequency Modulation)	The modulation used for radio and television sound transmission in most of the world. Less prone to interference than AM. The FM broad cast band covers roughly 87 to 108 MHz.
GA-Net	The GA-Net allows the audio unit to communicate with all the audio and navigation components in a vehicle. If there is an open in the GA-Net, components or the entire audio and navigation system may appear inoperative.
GB (Gigabyte)	A unit of memory or disk storage equal to billion bytes (1000 million bytes).
HDD	Abbreviation for hard disc drive. They are sensitive to heat and it is not recommended that they be used in the PC card slot for playing audio files.
Hertz (HZ)	The unit of frequency equal to one cycle per second (cps). One kilohertz (kHz) equals 1,000 cps; one megahertz (MHz) equals 1 million cps.
Integrated Amplifier	A component that combines a pre amp and a power amp into a single unit. A receiver combines an integrated amp and a tuner into a single unit.
Jewel Case	The hard plastic case that contains a compact disc or DVD. Always use a jewel case to prevent scratches on the underside of a CD or DVD.

LCD (Liquid Crystal Display)	A type of digital display that changes reflectance or transmittance when an electrical field is applied to it.
MB (Megabyte)	One million bytes. Written as 1 MB. Megabytes are used as a measure of digital storage space. For example, a CD can hold 650 MB.
Memory	Circuitry or devices that hold information in electrical or magnetic form, such as the AM/FM radio presets.
Mic	An abbreviation for microphone. For vehicles with navigation, the microphone accepts navigation voice commands to control audio and navigation functions.
MP3 music files	MP3 is an audio coding format. MP3 is a popular audio compression format on the Internet and computers. CDs, and PC card with these files can be played on some vehicle's audio system.
Mute	When the navigation gives guidance, the front speakers are muted (no music). When you use the voice control system, all of the speakers are muted.
Noise	Unwanted random sounds like buzzing, hiss, pops, static, whine, etc.
PC Card	The slot used for playing MP3 and WMA music files. The PC card is usually a combination of a small flash card in a PCMCIA adaptor that slides into the slot. The ATA, SD, and compact flash types of cards have been tested up to 1 GB.
PCMCIA	A computer standard for the slot that the PC card slides into. Another term for the PC card slot.
Processor	The part of an audio device that performs task/calculations. In the audio unit the processor handles muting to allow the navi to speak voice commands, and the decoding/playback of the sound files etc.
Radio	A head unit that combines a tuner, a preamplifier, and often a power-amplifier.
SCF (Cold Start Fix) screens	These screens are displayed if the system requires a GPS initialization. The vehicle should be moved outside into an open area away from buildings/power lines.
SD (Secure Digital) card	This compact type of memory card allows for fast data transfer and has built-in security functions. SD cards have a small write-protection switch on the side.
Shield	A metallic foil or braided wire layer surrounding conductors which are designed to prevent electrostatic or electromagnetic interference (noise) from external sources such as buzzing, or popping sounds heard on the speakers.
Speaker (Loudspeaker)	A device that converts electrical energy into acoustical energy (sound).
Stereo	A recording of at least two channels where you can hear sound or music from the left or right side.
Speed-sensitive Volume Compensation (SVC)	The SVC increases the audio volume to compensate for increased interior noise when the vehicle drives at freeway speeds.
Subwoofer	A loudspeaker made to reproduce the lowest audio frequencies, approx 25 Hz to 125 Hz.
Track	A sound recording on a CD, tape, or PC card.
Treble	An adjustment to control the "volume" of the high frequency sounds.
Tuner	A component (or part of a component) that receives radio signals and selects one broadcast from many.
Tweeter	A speaker designed to reproduce the higher frequencies (treble) only.
Voice Coil	A coil of wire wrapped around a tube and then attached to the speaker cone or diaphragm. When an audio signal is applied, the coil becomes an electromagnet

	and interacts with the permanent magnet causing the cone or diaphragm to vibrate. We interpret this vibration as sound.
Volume Control	Allows you to control the loudness of the music.
WMA music file	Windows Media Audio File. This is an accepted format for music files to be played on either a CD or a PC card.
Woofers	A speaker that is designed to reproduce bass frequencies only.
XM Radio	Satellite based radio transmission, which also uses a ground based repeater network to ensure seamless reception. The channels originate from XM's broadcast center, in Washington, DC, and up link to two satellites. These satellites transmit the signal across the entire continental United States.
XM Receiver	The external component that receives and processes the XM signals from the XM satellites, and terrestrial (land) stations. The audio unit communicates to the XM receiver over the GA-Net bus.

AUDIO UNIT CONNECTOR FOR INPUTS AND OUTPUTS

When replacing an audio unit connector, match the wires to the cavities listed in the following table.

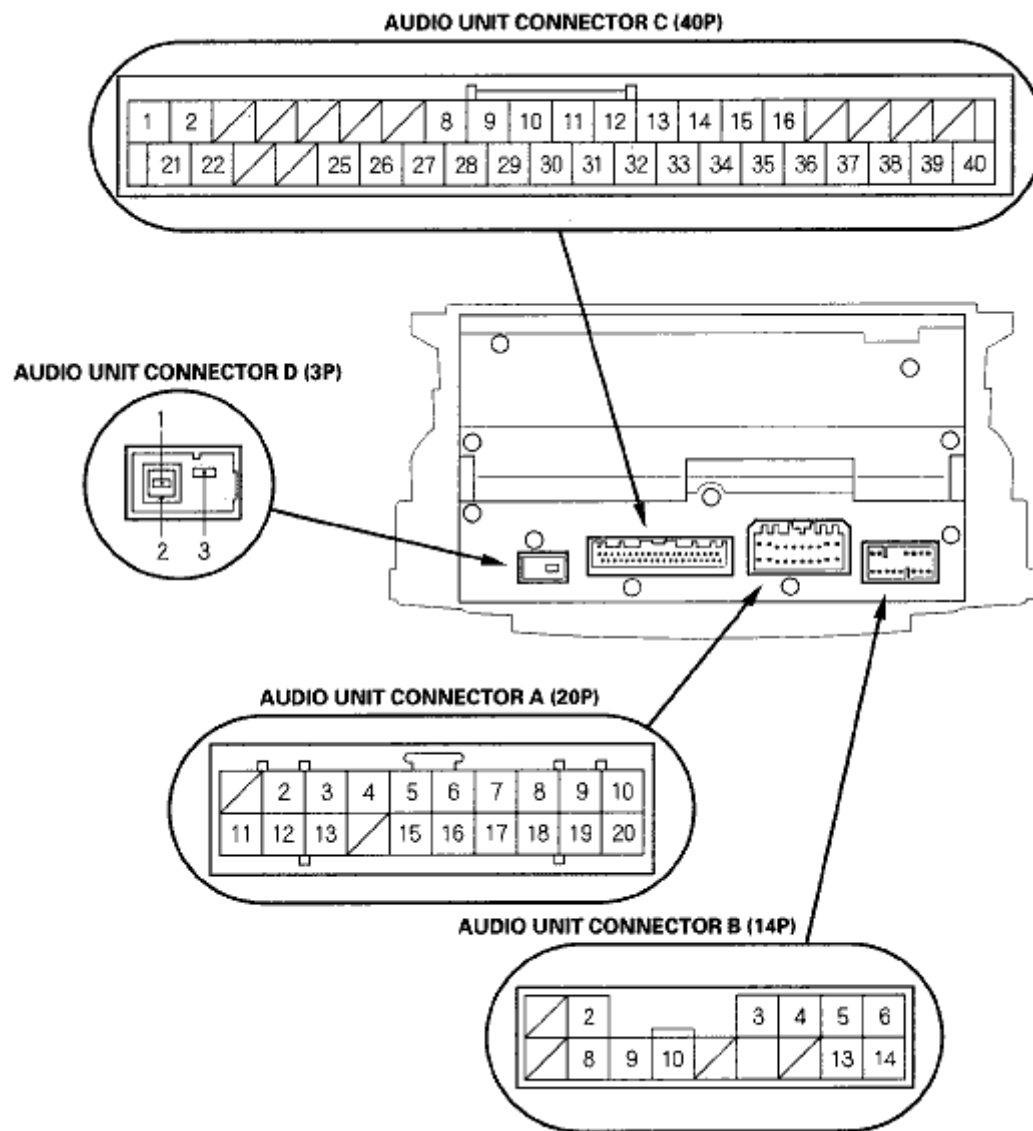


Fig. 6: Identifying Audio Unit Connector Terminal
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Audio Unit Connector A (20P)

AUDIO UNIT CONNECTOR TERMINAL (20P) REFERENCE

Cavity	Wire	Connects to
A2	YEL/RED	ACC (Main stereo power supply)
A3	PNK	Audio remote switch
A4	PUR	Security input
A5	GRN/YEL	Stereo amplifier-Right rear (+)
A6	GRN/BLU	Stereo amplifier-Left rear (+)
A7	BLK	Stereo amplifier-Front passenger's door (+)
A8	GRN	Stereo amplifier-Driver's door (+)
A9	RED/BLK	Lights-on signal
A10	WHT	Constant power

A11	BRN	Audio remote switch GND
A12 ⁽¹⁾	BLU/RED	Navigation unit (RG GND)
A13 ⁽¹⁾	WHT	Navigation unit (RG L+)
A15	BLU/YEL	Stereo amplifier-Right rear (-)
A16	YEL/BLU	Stereo amplifier-Left rear (-)
A17	GRY	Stereo amplifier-Front passenger's door (-)
A18	BLU	Stereo amplifier-Driver's door (-)
A19	RED	Dash lights brightness controller
A20	BLK	Ground (G504)

(1) With navigation

Audio Unit Connector B (14P)

AUDIO UNIT CONNECTOR TERMINAL (20P) REFERENCE

Cavity	Wire	Connects to
B2 ⁽²⁾	ORN	XM Receiver-System ACC
B3	GRY ⁽¹⁾	ECU BUS SH (GA-NET)
B4	GRY ⁽¹⁾	AUDIO SH GND
B5	WHT	AUDIO R+
B6	RED	AUDIO L+
B8	RED/BLK	Light-on signal (XM)
B9	RED/WHT	ECU BUS+ (GA-NET)
B10	RED/BLU	ECU BUS- (GA-NET)
B13	BLK	AUDIO R-
B14	GRN	AUDIO L-

(1) The shielded wires have a heat-shrunk tube insulating the outside of the wire. The color of the insulating tube, typically black or dark gray, may not match the color of the wire listed on the schematic.

(2) Canada models, USA models without navigation

Audio Unit Connector C (40P)

AUDIO UNIT CONNECTOR TERMINAL (40P) REFERENCE

Cavity	Wire	Connects to
C1	YEL/BLK	Stereo amplifier (CTR SP+)
C2	RED/BLU	Stereo amplifier (SUB WF+)
C8 ⁽³⁾	YEL	AcuraLink control unit (XM receiver) (HIP MUTE)
C9	BLU	Audio bus+ (GA-NET)
C10	GRY ⁽¹⁾	Audio bus SH (GA-NET)
C11	GRY ⁽¹⁾	TELM SI GSH
C12	RED	TELM SIG-
C13	GRN	TELM SIG+

C14	RED	HFL MUTE
C15	RED/YEL	Amplifier ON
C16	YEL/GRN	Amplifier MUTE
C21	PNK/BLK	Stereo amplifier (CTR SP-)
C22	WHT/GRN	Stereo amplifier (SUB WF-)
C25	LT BLU	Data link connector (Line end tester)
C26	LT BLU	ECM/PCM (VSP)
C27	ORN	Display panel control unit (IMS 1)
C28	BLK	Display panel control unit (IMS 0)
C29	PNK	Audio bus- (GA-NET)
C30	GRY ⁽¹⁾	Auxiliary jack assembly (AUX SH GND)
C31	YEL	Auxiliary jack assembly (AUX L)
C32	BRN	Auxiliary jack assembly (AUX S GND)
C33	GRN	Auxiliary jack assembly (AUX R)
C34	BLU	Auxiliary jack assembly (AUX GND)
C35	WHT	Auxiliary jack assembly (AUX DET)
C36 ⁽²⁾	WHT/BLK	Active noise control unit (ANC CHK2)
C37 ⁽²⁾	GRY ⁽¹⁾	Active noise control unit (ANC/ASC SH GND)
C38 ⁽²⁾	WHT	Active noise control unit (ANC/ASC GND)
C39 ⁽²⁾	BLK	Active noise control unit (ANC/ASC R)
C40 ⁽²⁾	RED	Active noise control unit (ANC/ASC F)

(1) The shielded wires have a heat-shrunk tube insulating the outside of the wire. The color of the insulating tube, typically black or dark gray, may not match the color of the wire listed on the schematic.

(2) Type-S model

(3) USA models with navigation

Audio Unit Connector D (3P)

AUDIO UNIT CONNECTOR TERMINAL (3P) REFERENCE

Cavity	Wire	Connects to
D1	-	AM/FM Antenna amplifier-rear window defogger coil (ANT RF IN)
D2	-	AM/FM Antenna amplifier-rear window defogger coil (ANT GND)
D3	-	AM/FM Antenna amplifier-rear window defogger coil (ANT SW +B)

DISPLAY PANEL CONTROL UNIT INPUTS AND OUTPUTS

When replacing a display panel control unit connector, match the wires to the cavities listed in the following table.

With Navigation

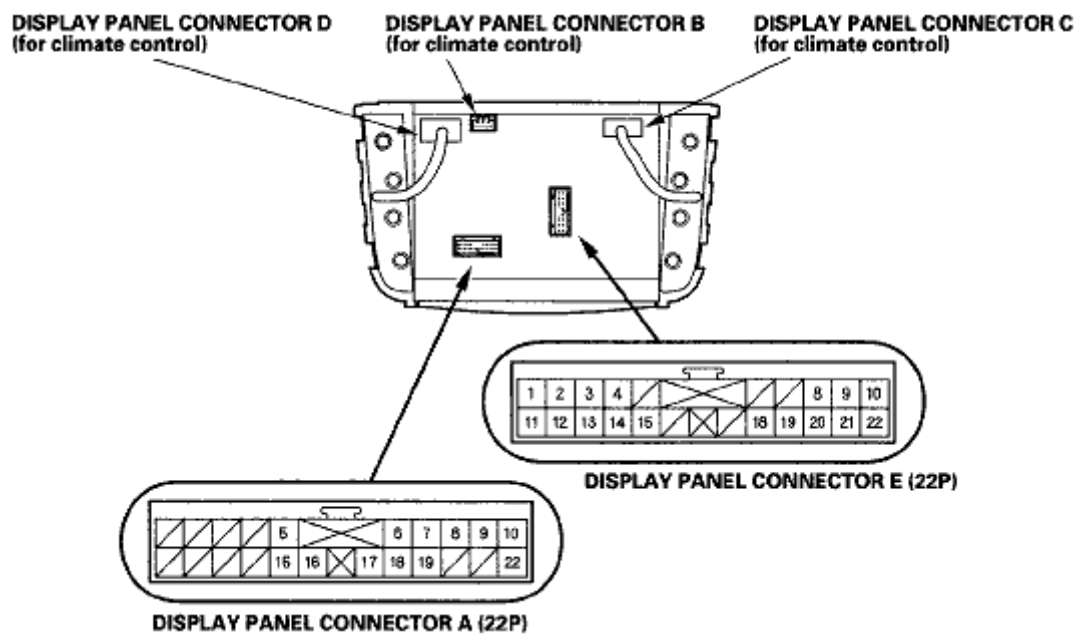


Fig. 7: Identifying Panel Control Unit Connector Terminal - With Navigation
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Without Navigation

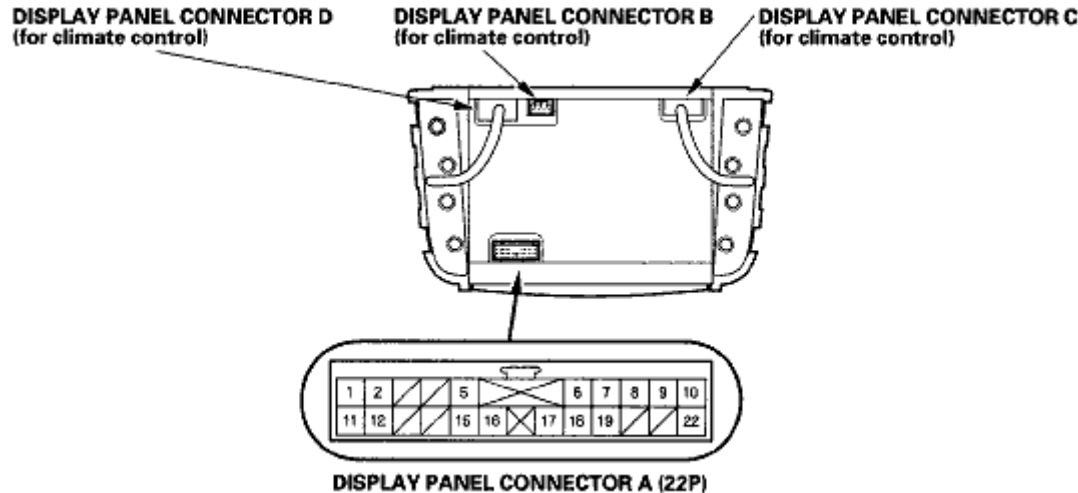


Fig. 8: Identifying Panel Control Unit Connector Terminal - Without Navigation
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Display Panel Connector A (22P)

DISPLAY PANEL CONNECTOR (22P) REFERENCE

Cavity	Wire	Connects to
AT ⁽²⁾	GRY	Electrical compass unit
A2 ⁽²⁾	LT GRN	Electrical compass unit
A5	BLK	Ground (G501)
A6	RED	Dash lights brightness controller (BULB)

A7	BLU	Audio BUS+ (GA-NET)
A8	RED/BLK	Light-on signal
A9	YEL/RED	ACC (Main stereo power supply)
A10	WHT/RED	Constant power
A11 ⁽²⁾	PUR	Electrical compass unit
A12 ⁽²⁾	BRN	Electrical compass unit
A15	RED/BLU	Dash lights brightness controller (LED)
A16	ORN	Audio unit (IMS 1)
A17	BLK	Audio unit (IMS 0)
A18	GRY ⁽¹⁾	Audio BUS SH (GA-NET)
A19	PNK	Audio BUS - (GA-NET)
A22	LT BLU	Multiplex integrated control unit (B-CAN)

(1) The shielded wires have a heat-shrunk tube insulating the outside of the wire. The color of the insulating tube, typically black or dark gray, may not match the color of the wire listed on the schematic.

(2) Without navigation

Display Panel Connector E (22P) (With navigation)

DISPLAY PANEL CONNECTOR (22P) REFERENCE - WITH NAVIGATION

Cavity	Wire	Connects to
E1	WHT	Navigation unit (R-SIG)
E2	RED	Navigation unit (G-SIG)
E3	BLU	Navigation unit (GND-SIG)
E4	RED/WHT	ECU BUS+ (GA-NET)
E8	BRN/BLK ⁽¹⁾	Audio-HVAC subdisplay unit (SH-GND)
E9	BLU	Audio-HVAC subdisplay unit (CE)
E10	BLU/RED	Audio-HVAC subdisplay unit (DI)
E11	YEL	Navigation unit (B-SIG)
E12	BRN	Navigation unit (C-SIG)
E13	GRY/RED ⁽¹⁾	Navigation unit (SH-SIG)
E14	RED/BLU	ECU BUS- (GA-NET)
E15	GRY ⁽¹⁾	ECU BUS SH (GA-NET)
E18	PUR	Audio-HVAC subdisplay unit (LCD BL+)
E19	ORN	Audio-HVAC subdisplay unit (LCD BL-)
E20	BLU/ORN	Audio-HVAC subdisplay unit (SD+B)
E21	YEL	Audio-HVAC subdisplay unit (CL)
E22	YEL/RED	Audio-HVAC subdisplay unit (INH)

(1) The shielded wires have a heat-shrunk tube insulating the outside of the wire. The color of the insulating tube, typically black or dark gray, may not match the color of the wire listed on the schematic.

STEREO AMPLIFIER CONNECTOR INPUTS AND OUTPUTS

When replacing a stereo amplifier connector, match the wires to the cavities listed in the tables.

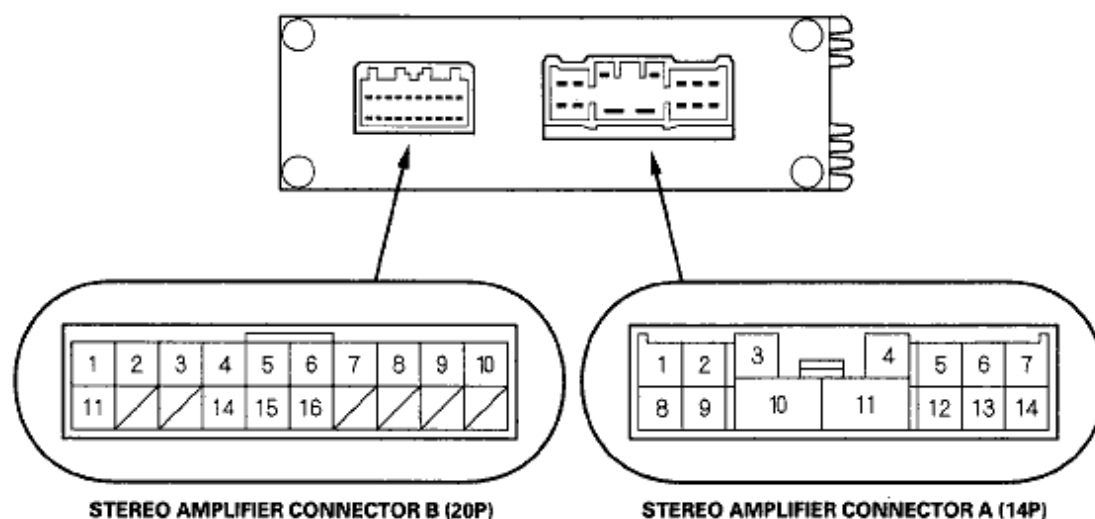


Fig. 9: Identifying Stereo Amplifier Connector Terminal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Stereo Amplifier Connector A (14P)

STEREO AMPLIFIER CONNECTOR (14P) REFERENCE

Cavity	Wire	Connects to
A1	LT GRN/RED	Subwoofer (-)
A2	YEL/BLK	Subwoofer (+)
A3	RED/YEL	Left rear speaker (-)
A4	BRN/WHT	Left rear speaker (+)
A5	RED/BLU	Right rear speaker (+)
A6	LT GRN	Driver's door speaker (+), Left tweeter (+)
A7	BLU	Front passenger's door speaker (+), Right tweeter (+)
A8	BLU/YEL	Front center speaker (-)
A9	GRN/WHT	Front center speaker (+)
A10	BLK	Ground (G506)
A11	WHT	Constant power
A12	YEL	Right rear speaker (-)
A13	PUR	Driver's door speaker (-), Left tweeter (-)
A14	RED	Front passenger's door speaker (-), Right tweeter (-)

Stereo Amplifier Connector B (20P)

STEREO AMPLIFIER CONNECTOR (20P) REFERENCE

Cavity	Wire	Connects to
B1	BLK	Audio unit-Front passenger's door (+)
B2	GRN	Audio unit-Driver's door (+)
B3	GRN/YEL	Audio unit-Right rear (+)
B4	GRN/BLU	Audio unit-Left rear (+)

B5	RED/BLU	Audio unit-Subwoofer (+)
B6	YEL/BLK	Audio unit-Front center speaker (+)
B7	RED/YEL	Amplifier ON
B8	GRY	Audio unit-Front passenger's door (-)
B9	BLU	Audio unit-Driver's door (-)
B10	BLU/YEL	Audio unit-Right rear (-)
B11	YEL/BLU	Audio unit-Left rear (-)
B14	WHT/GRN	Audio unit-Subwoofer (-)
B15	PNK/BLK	Audio unit-Front center speaker (-)
B16	YEL/GRN	Amplifier (MUTE)

XM RECEIVER CONNECTOR INPUTS AND OUTPUTS (CANADA MODELS, USA MODELS WITHOUT NAVIGATION)

When replacing an XM receiver connector, match the wires to the cavities listed in the following table.

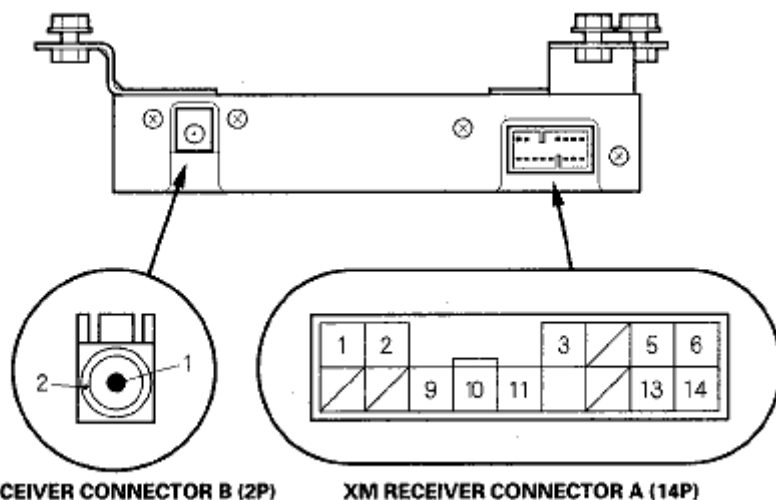


Fig. 10: Identifying XM Receiver Connector Terminal (Canada Models, U.S.A. Models Without Navigation)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

XM Receiver Connector A (14P)

XM RECEIVER CONNECTOR TERMINAL (14P) REFERENCE

Cavity	Wire	Connects to
A1	WHT/RED	Constant power
A2	ORN	Audio unit-System ACC
A3	GRY ⁽¹⁾	ECU BUS SH (GA-NET)
A5	WHT	Audio unit-RCH (+)
A6	RED	Audio unit-LCH (+)
A9	RED/WHT	ECU BUS (+) (GA-NET)
A10	RED/BLU	ECU BUS (-) (GA-NET)
A11	BLK	Ground (G604)

A13	BLK	Audio unit-RCH (-)
A14	GRN	Audio unit-LCH (-)
(1) The shielded wires have a heat-shrunk tube insulating the outside of the wire. The color of the insulating tube, typically black or dark gray, may not match the color of the wire listed on the schematic.		

XM Receiver Connector B (2P)

XM RECEIVER CONNECTOR (2P) REFERENCE

Cavity	Wire	Connects to
B1	-	XM antenna (SAT/TER)
B2	-	XM antenna (SAT/TER SH)

ACURALINK CONTROL UNIT (XM RECEIVER) CONNECTOR FOR INPUTS AND OUTPUTS (USA MODELS WITH NAVIGATION)

When replacing an AcuraLink control unit (XM receiver) connector, match the wires to the cavities listed in the following tables.

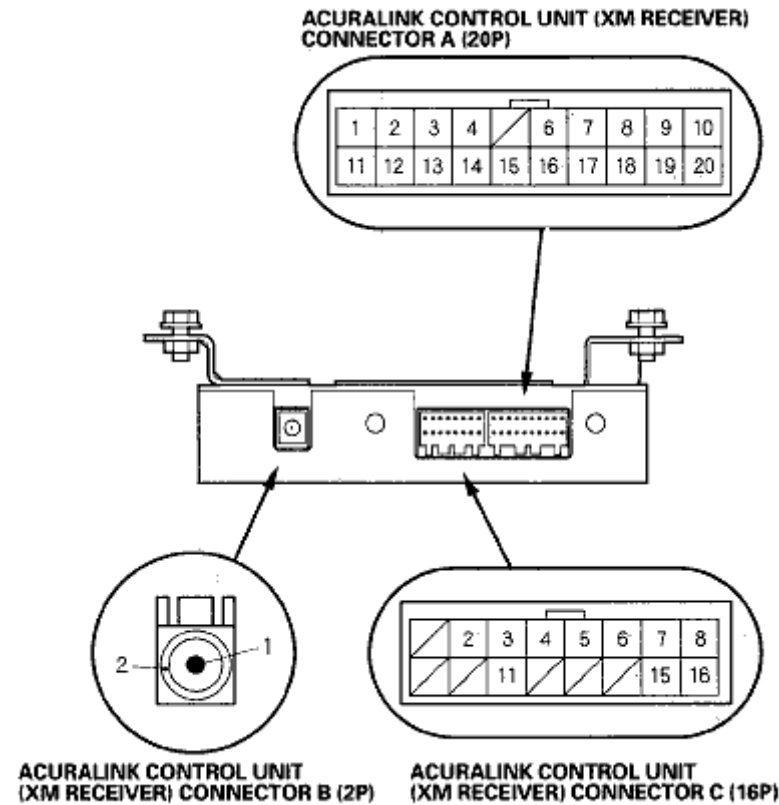


Fig. 11: Identifying AcuraLink Control Unit (XM Receiver) Connector Terminal (USA Models With Navigation)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

AcuraLink Control Unit (XM Receiver) Connector A (20P)

ACURALINK CONTROL UNIT (XM RECEIVER) CONNECTOR A (20P) REFERENCE

Cavity	Wire	Connects to
A1	WHT/RED	Constant power
A2	YEL/RED	ACC (Main power supply)
A3	WHT	Navigation unit (NAVI COMM 3)
A4	RED	Navigation unit (NAVI COMM 1)
A6	WHT	Communication bus line (CAN-HI)
A7	RED/WHT	ECU BUS+ (GA-NET)
A8	GRY ⁽¹⁾	Audio unit (AUDIO SH)
A9	RED	Audio unit (AUDIO L+)
A10	WHT	Audio unit (AUDIO R+)
A11	BLK	Ground (G604)
A12	YEL	IG1 (AcuraLink control unit (XM receiver) power supply)
A13	BLK	Navigation unit (NAVI COMM 4)
A14	GRN	Navigation unit (NAVI COMM 2)
A15	GRY ⁽¹⁾	Navigation unit (NAVI COMM SH)
A16	RED	Communication bus line (CAN LO)
A17	RED/BLK	ECU BUS- (GA-NET)
A18	GRY ⁽¹⁾	ECU BUS SH (GA-NET)
A19	GRN	Audio unit (AUDIO L-)
A20	BLK	Audio unit (AUDIO R-)
(1) The shielded wires have a heat-shrunk tube insulating the outside of the wire. The color of the insulating tube, typically black or dark gray, may not match the color of the wire listed on the schematic.		

AcuraLink Control Unit (XM Receiver) Connector B (2P)

ACURALINK CONTROL UNIT (XM RECEIVER) CONNECTOR (2P) REFERENCE

Cavity	Wire	Connects to
B1	-	XM antenna (SAT/TER)
B2	-	XM antenna (SAT/TER SH)

AcuraLink Control Unit (XM Receiver) Connector C (16P)

ACURALINK CONTROL UNIT (XM RECEIVER) CONNECTOR (16P) REFERENCE

Cavity	Wire	Connects to
C2 ⁽¹⁾	GRY	Audio unit, HandsFreeLink control unit (TELM SIG SH)
C3	GRN	Audio unit, HandsFreeLink control unit (TELM SIG+)
C4	YEL	Audio unit (HIP MUTE)
C5	PNK	Communication bus line (B-CAN)
C6 ⁽¹⁾	GRY	HandsFreeLink control unit (HFL COMM SH)
C7	BLK	HandsFreeLink control unit (HFL COMM 3)
C8	RED	HandsFreeLink control unit (HFL COMM 1)
C11	RED	Audio unit, HandsFreeLink control unit (TELM SIG-)
C15	GRN	HandsFreeLink control unit (HFL COMM 4)

C16	WHT	HandsFreeLink control unit (HFL COMM 2)
-----	-----	---

(1) The shielded wires have a heat-shrunk tube insulating the outside of the wire. The color of the insulating tube, typically black or dark gray, may not match the color of the wire listed on the schematic.

AUDIO-HVAC SUBDISPLAY UNIT CONNECTOR INPUTS AND OUTPUTS (WITH NAVIGATION)

When replacing an audio-HVAC subdisplay unit connector, match the wires to the cavities listed in the following table.

With Navigation

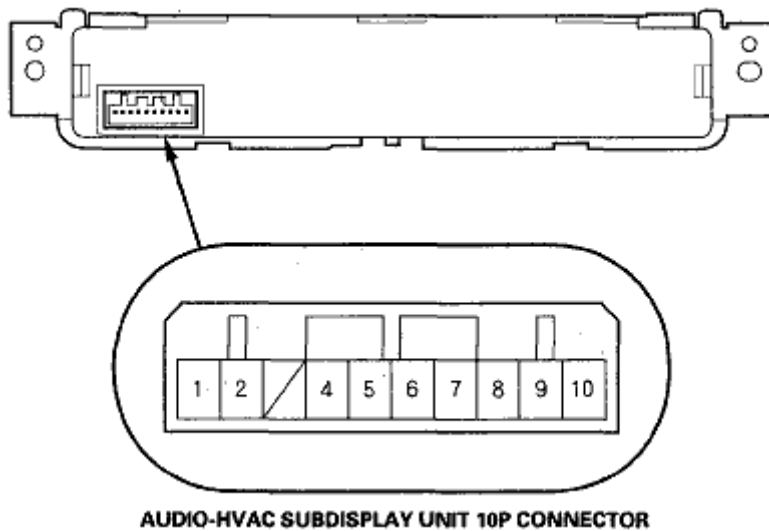


Fig. 12: Identifying Audio-HVAC Subdisplay Unit Connector Terminal (With Navigation)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

CONNECTOR TERMINAL WIRE SPECIFICATIONS

Cavity	Wire	Connects to
1	BLK	GND (G503)
2	BLU/ORN	SD+B
4	YEL/RED	INH
5	YEL	CL
6	BLU/RED	DI
7	BLU	CE (LOAD)
8	BRN/BLK ⁽¹⁾	SH GND
9	ORN	LCD BL (-)
10	PUR	LCD BL (+)

(1) The shielded wires have a heat-shrunk tube insulating the outside of the wire. The color of the insulating tube, typically black or dark gray, may not match the color of the wire listed on the schematic.

ACTIVE NOISE CONTROL UNIT CONNECTOR FOR INPUTS AND OUTPUTS (TYPE-S

MODEL)

When replacing an active noise control unit connector, match the wires to the cavities listed in the following table.

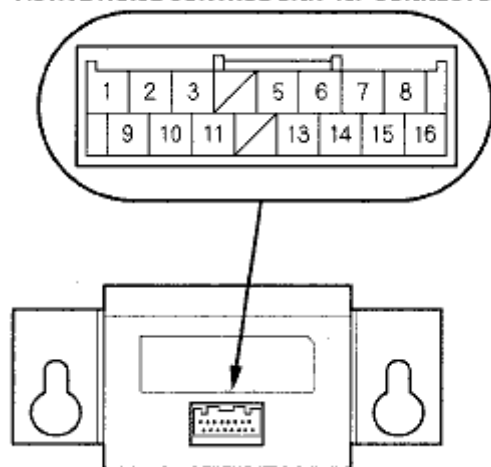
ACTIVE NOISE CONTROL UNIT 16P CONNECTOR

Fig. 13: Identifying Active Noise Control Unit Connector Terminal (Type-S Model)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

CONNECTOR TERMINAL WIRE SPECIFICATIONS

Cavity	Wire	Connects to
1	GRN/RED	Multiplex integrated control unit (MICU) (INTR LT-)
2	WHT/GRN	ECM/PCM (NEP)
3	LT BLU	ECM/PCM, Clutch switch
5	BLU	Active noise control rear microphone (MIC R GND)
6	LT GRN	Active noise control front microphone (MIC F GND)
7	GRY ⁽¹⁾	Audio unit (ANC/ASC SH GND)
8	WHT	Audio unit (ANC/ASC GND)
9	RED/YEL	Stereo amplifier (AMP ON)
10	BLK	Ground (G506)
11	WHT/BLK	Audio unit (ANC CHK2)
13	RED	Active noise control rear microphone (MIC R IN)
14	LT BLU	Active noise control front microphone (MIC F IN)
15	RED	Audio unit (ANC/ASC F)
16	BLK	Audio unit (ANC/ASC R)

(1) The shielded wires have a heat-shrunk tube insulating the outside of the wire. The color of the insulating tube, typically black or dark gray, may not match the color of the wire listed on the schematic.

ACTIVE NOISE CONTROL FRONT MICROPHONE CONNECTOR FOR INPUTS AND OUTPUTS (TYPE-S MODEL)

When replacing an active noise control front microphone connector, match the wires to the cavities listed in the following table.

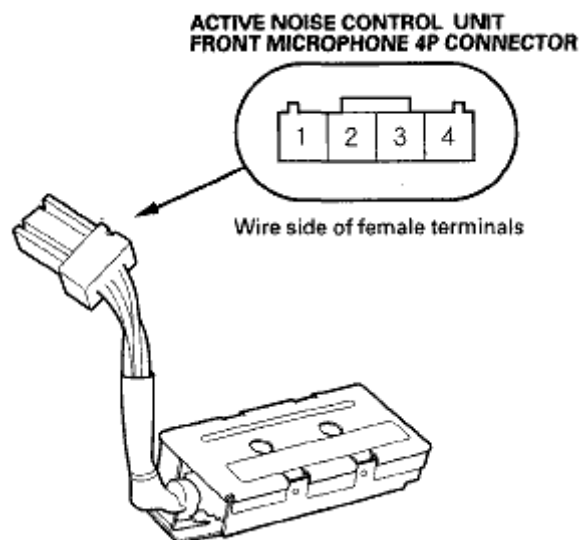


Fig. 14: Identifying Active Noise Control Front Microphone Connector Terminal (Type-S Model)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CONNECTOR TERMINAL WIRE SPECIFICATIONS

Cavity	Wire	Connect to
1	LT BLU	Active noise control unit (MIC F IN)
2	LT GRN	Active noise control unit (MIC F GND)
3	BLK	Ground (G501)
4	RED/YEL	Audio unit (AMP ON)

NOTE: These wire colors are shown here as the roof wire harness side.

ACTIVE NOISE CONTROL REAR MICROPHONE CONNECTOR FOR INPUTS AND OUTPUTS (TYPE-S MODEL)

When replacing an active noise control rear microphone connector, match the wires to the cavities listed in the following table.

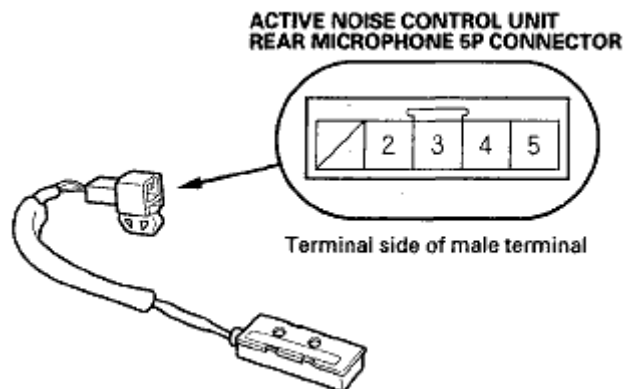


Fig. 15: Identifying Active Noise Control Rear Microphone Connector Terminal (Type-S Model)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

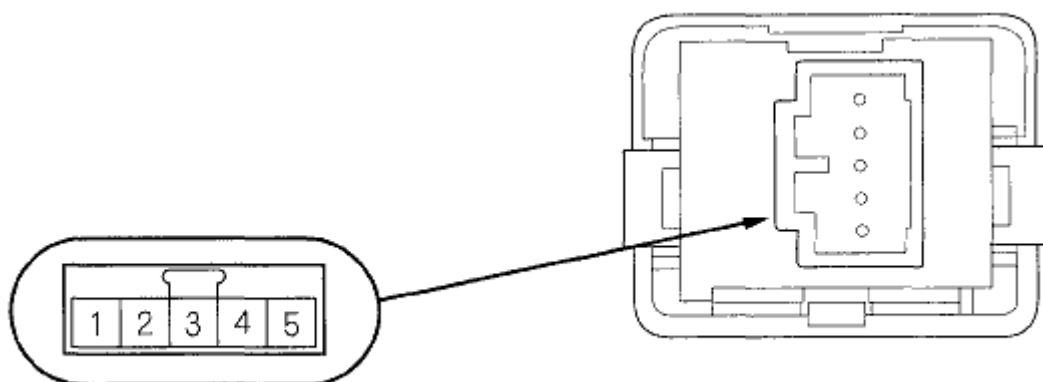
CONNECTOR TERMINAL WIRE SPECIFICATIONS

Cavity	Wire	Connect to
2	RED/YEL	Audio unit (AMP ON)
3	BLK	Ground (G501)
4	BLU	Active noise control unit (MIC R GND)
5	RED	Active noise control unit (MIC R IN)

NOTE: These wire colors are shown here as the roof wire harness side.

AUXILIARY JACK ASSEMBLY CONNECTOR FOR INPUTS AND OUTPUTS

When replacing an auxiliary jack assembly connector, match the wires to the cavities listed in the following table.



AUXILIARY JACK ASSEMBLY 5P CONNECTOR

Fig. 16: Identifying Auxiliary Jack Assembly Connector Terminal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

CONNECTOR TERMINAL WIRE SPECIFICATIONS

Cavity	Wire	Connect to
1	WHT	Audio Unit (AUX DET)
2	BLU	Audio Unit (AUX GND)
3	BRN	Audio Unit (AUX SGND)
4	YEL	Audio Unit (AUX L)
5	GRIM	Audio Unit (AUX R)

CIRCUIT DIAGRAM



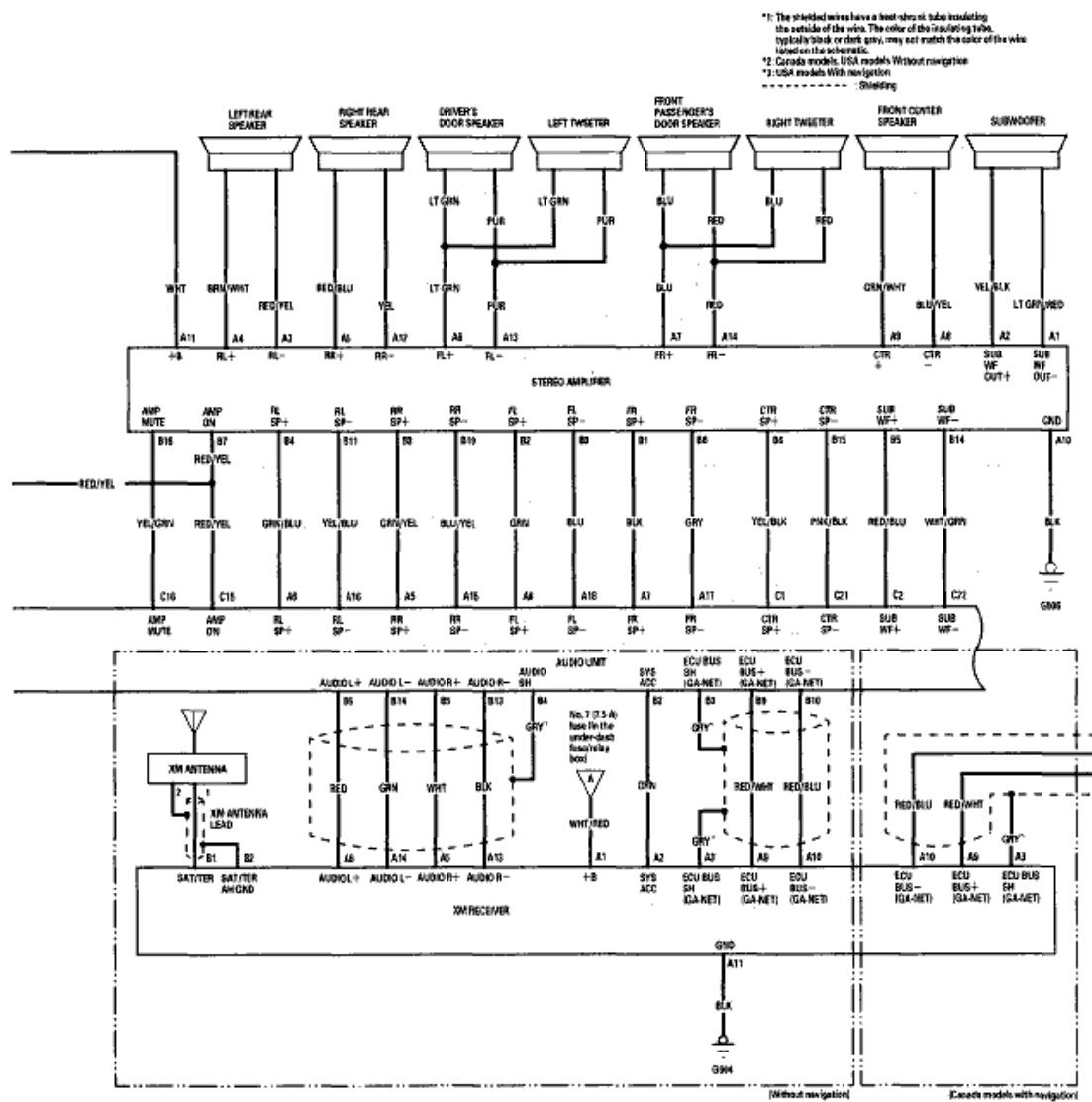


Fig. 18: Audio System - Circuit Diagram (2 Of 4)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

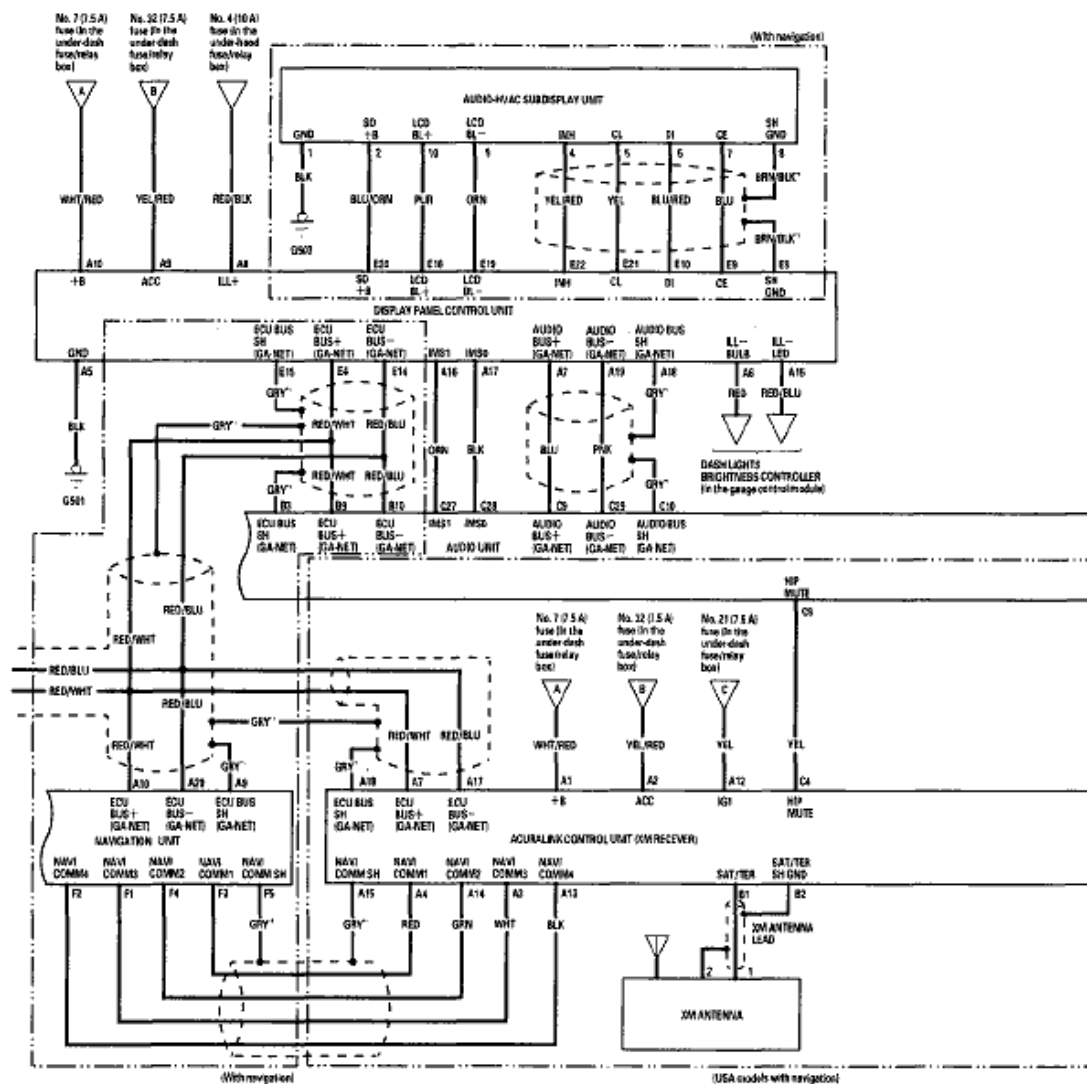


Fig. 19: Audio System - Circuit Diagram (3 Of 4)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.



The audio unit has a speaker self-diagnostic function. To run the self-diagnostic function, do the following:

1. Turn the ignition switch to ON (II). The audio unit must be OFF at this time.
2. Press and hold the Preset 1 and Preset 3 buttons. While holding the buttons, push the VOL PUSH PWR knob (A) to ON.

NOTE:

- If the audio unit enters the self-diagnostic mode, the following will occur.
 - Radio tunes to FM 97.9 MHz.

- **DIAGNOSTIC (DIAG)** is displayed.
- **FM 97.9 MHz** is broadcast through the selected speaker.
- The buttons that operate are **Volume Up/Down**, **SEEK +/-**, and audio remote switch input for **CH +/-** and **Volume Up/Down**.
- If the audio unit does not enter the self-diagnostic function, turn the ignition switch to **LOCK (0)** and repeat step 1 and step 2.

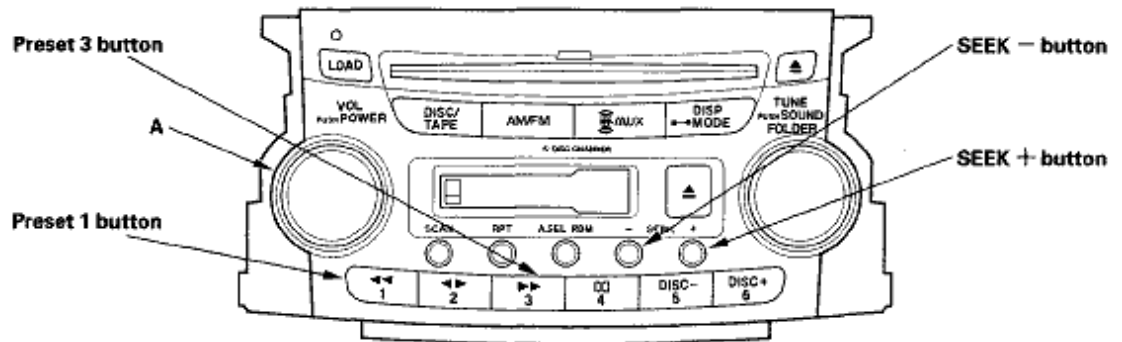


Fig. 21: Identifying VOL PUSH PWR Knob
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Cycle up or down with the audio remote switch "CH +/-" button or the audio unit "SEEK +/-" button and check each speaker.

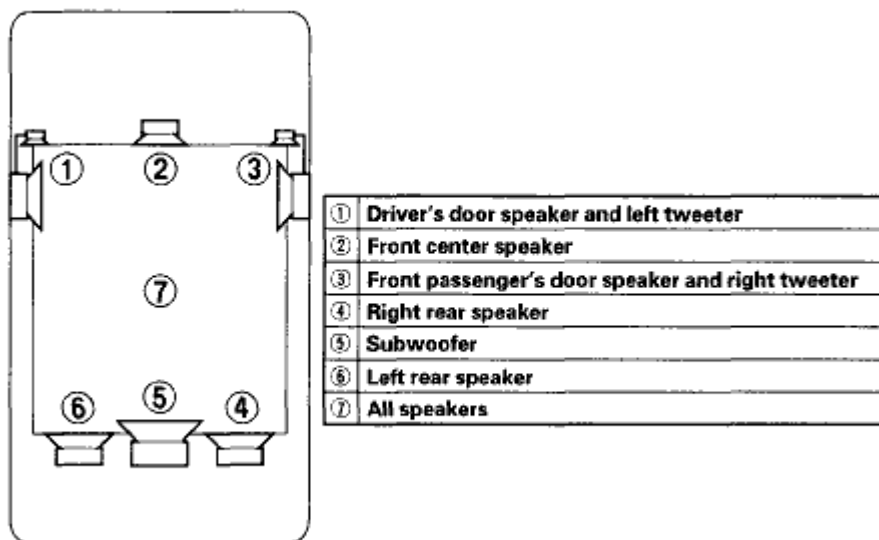


Fig. 22: Identifying Audio Remote Switch Button
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. If any speaker does not sound, check for an open in the wire between the audio unit and its speaker. If the wire harness is OK, do the speaker test (see **SPEAKER TEST/REPLACEMENT**).
5. To exit the self-diagnostic function, turn the ignition switch to **LOCK (0)**.

ACTIVE NOISE CONTROL (ANC) SYSTEM CHECK MODE

1. Turn the ignition switch to ON (II).
2. Press and hold the Preset 1 and Preset 6 buttons. While holding the buttons, push the VOL PUSH PWR knob (A) to ON.

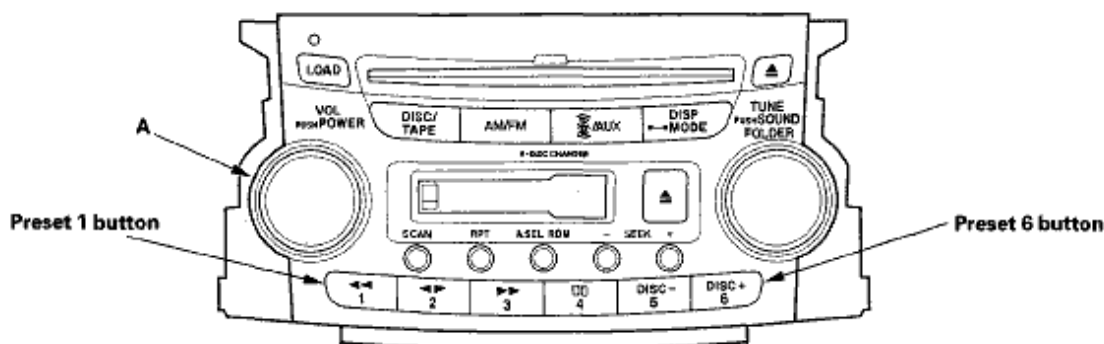


Fig. 23: Identifying VOL PUSH PWR Knob
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. By pressing the Preset 1 button, the input will trigger the ANC ON and OFF mode.
4. The self-diagnostic function ends when you turn the audio unit off, or turn the ignition switch to LOCK (0).

HOW TO CHECK THE ACTIVE NOISE CONTROL SYSTEM IN THIS CHECK MODE

- With the engine off, and while in the DIAG mode, turn the ANC ON to OFF by pressing the No. 1 button. A low-frequency hum (50 Hz) should sound for about a minute.
 - If the hum does not sound, check for an open in the wire between the active noise control unit and the audio unit.
 - If the hum does not sound for a minute, check for an open in the wire between active noise control unit and the microphone.
- Start the engine while the hum is sounding. The hum should stop. If the hum does not stop, check for an open in the wire (NEP line) between the active noise control unit and the ECM/PCM.
- Enter the "DIAG" mode with the engine running (900 rpm), apply the brake pedal and shift to D position, turn the "ANC ON" to "ANC OFF" by pressing the No. 1 button on the audio unit, then turn the "ANC OFF" to "ANC ON". After about 3 seconds, the active noise control system should activate. (NOTE: When any of the doors are opened, the function is ends.)

SERIAL NUMBER DISPLAY MODE

To obtain the audio unit serial number on a vehicle, do the following:

NOTE: This procedure can only be performed when the battery power is disconnected from the audio unit and the audio unit displays "CODE".

1. Turn the ignition switch to ON (II). The audio unit must be OFF at this time.
2. Press and hold the Preset 1 and Preset 6 buttons. While holding the buttons, push the VOL PUSH PWR knob to ON.
3. The display will show a U and the first four digits serial number. After five seconds, the display then

changes to a L and the last four digits serial number.

4. Use all 8 numbers as the serial number when using the iN (Interactive Network) to retrieve the 5 digit anti-theft code.
5. The serial number output mode ends when you turn the audio unit off, or turn the ignition switch to LOCK (0).

ERROR CODES

The audio system displays error codes when a problem is detected with the disc changer, the disc, the tape player, the XM radio, or the anti-theft code.

CD Error Codes

CD ERROR CODES

Error Code Displayed	Possible Cause	Solution
DISC	Cannot read disc.	Eject the disc and try another.
DISC ERROR	There is a problem with the disc player. A common problem is disc labels coming off the disc while in the player.	Try to eject the disc and try another one. If there is still a problem replace the audio unit.
DISC FORMAT	A disc was inserted that has a format that is not recognized.	Eject the disc and try another one.
HEAT ERROR	Disc player is hot. This can happen if the vehicle is parked out in the hot sun all day.	Park the vehicle in a cooler place for a while and try the disc player again. If still present try another disc. If still present, replace the audio unit.
TAPE ERROR	There is a problem with the tape player.	Try to eject the tape and try another one. If there is still a problem, replace the audio unit.

XM Error Codes

XM ERROR CODES

Error Code Displayed	Possible Cause	Solution
LOADING	XM radio is acquiring audio or program information.	Wait until the radio receives the information.
OFF AIR	XM channel not in service.	Try another XM channel.
NO SIGNAL	Lost of signal.	Both the terrestrial and satellite antennas have lost signal. Park the vehicle outside with a clear view of the southern horizon.
UPDATING	XM radio is receiving information update from the network.	This message will disappear once the update finishes.
ANTENNA	XM antenna error.	Repair open or short in the terrestrial or satellite antenna. Substitute the XM antenna and recheck. If the error is gone, replace the antenna. If error is still present, replace the XM

		antenna lead.
-	No signal from XM.	Check another known-good vehicle with XM radio. If the known-good vehicle has the same symptom, contact XM Satellite Radio at (800) 852-9696.

Audio Unit Error Codes

AUDIO UNIT ERROR CODES

Error Code Displayed	Possible Cause	Solution
ERR 1	Anti-theft code mismatch (1st try).	Enter the correct anti-theft code.
ERRE	Anti-theft code mismatch (10th try).	Remove fuse No. 5 (20 A) in the under-dash fuse/relay box, then reinsert it. You will have 10 more tries to enter the correct anti-theft code.

SYMPTOM TROUBLESHOOTING

POOR AM OR FM RADIO RECEPTION OR INTERFERENCE

NOTE:

- Check the vehicle battery condition first.
- Check for aftermarket accessories plugged into the vehicle's accessory power sockets.
- Check the connectors for poor connections or loose terminals.
- Check the radio reception in an open area. Poor reception/interference can be caused by any of these conditions:
 - The radio station is far away.
 - Atmospheric conditions are unfavorable.
 - all buildings, mountains, or high-voltage power lines are nearby.
 - Metallic window tint.

1. Turn the ignition switch to ON (II).
2. Do the Seek Stop Test (see **SEEK STOP TEST**).

Is the test vehicle within 10% of the known-good vehicle?

YES -Multipath interference or weak station. Operation is normal.

NO -Go to step 3.

3. Check the reception/interference when the rear window defogger is on.

Is the reception poor only with the rear window defogger on?

YES -Do the rear window defogger function test, and check for a break in the rear window defogger wire (see **FUNCTION TEST**).

NO -Go to step 4.

4. Start the engine.
5. Check the reception/interference.

Is there noise (static or whine) only with the engine running?

YES -Check the antenna and radio grounds. If OK, check the charging system and the ignition system.

NO -Go to step 6.

6. Turn the ignition switch to LOCK (0).
7. Wrap aluminum foil (A) around the tip of a tester probe (B) as shown.

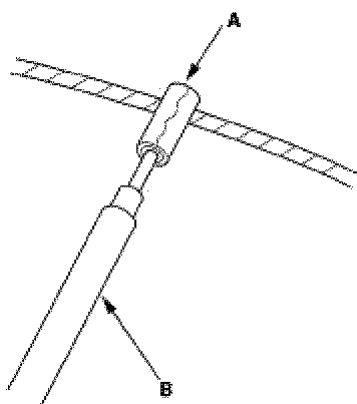


Fig. 24: Wrapping Aluminum Foil Around Tip Of Tester Probe
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Check for continuity by touching one tester probe to the window antenna terminal (A), and move the other tester probe along the antenna wires (for AM reception) or the defogger wire (for FM reception).

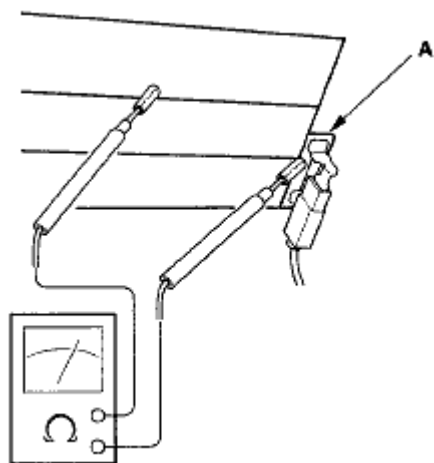


Fig. 25: Checking Continuity To Window Antenna Terminal
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity in all sections of the antenna?

YES -Go to step 9.

NO -Repair the window antenna wire. Go to AM/ FM Antenna Repair (see **AM/FM ANTENNA REPAIR**).

9. Disconnect the IP connector (A), 1P connector (B) and AM/FM antenna lead (C) from the AM/FM antenna amplifier-rear window defogger coil (D).

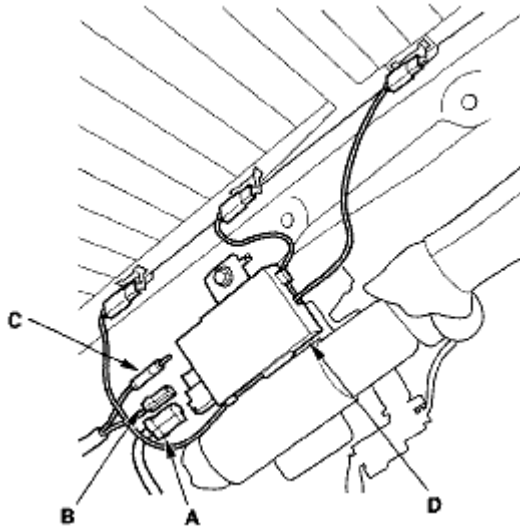


Fig. 26: Identifying 1P Connector And AM/FM Antenna Lead
Courtesy of AMERICAN HONDA MOTOR CO., INC.

10. Turn the ignition switch to ON (II).
11. Turn on the audio unit.
12. Measure the voltage between the AM/FM antenna amplifier-rear window defogger coil connector terminal B1 and body ground.

Is there battery voltage?

YES -Go to step 13.

NO -Go to step 19.

13. Turn the ignition switch to LOCK (0).
14. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector D (3P).

NOTE: Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.

15. Check for continuity between audio unit connector D (3P) terminal No. 1 and the AM/FM antenna lead center pin at the AM/FM antenna amplifier-rear window defogger coil.

Is there continuity?

YES -Go to step 16.

NO -Replace the antenna lead and/or sublead.

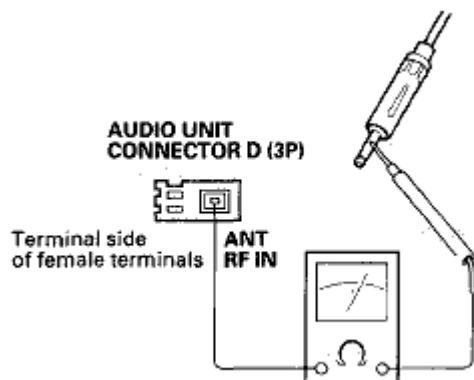


Fig. 27: Checking Continuity Between Audio Unit Connector (3P) And AM/FM Antenna Lead Center Pin

Courtesy of AMERICAN HONDA MOTOR CO., INC.

16. Check for continuity between audio unit connector D (3P) terminal No. 2 and the shield surface of the AM/FM antenna lead at the AM/FM antenna amplifier side.

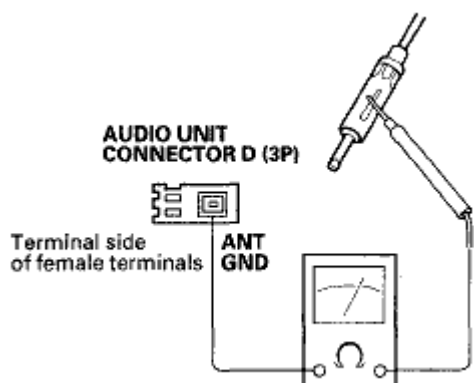


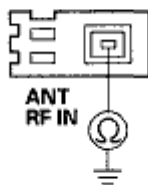
Fig. 28: Checking Continuity Between Audio Unit Connector (3P) And Shield Surface
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 17.

NO -Replace the antenna lead and/or sublead.

17. Check for continuity between audio unit connector D (3P) terminal No. 1 and body ground.

AUDIO UNIT CONNECTOR D (3P)

Terminal side of female terminals

Fig. 29: Checking Continuity Between Audio Unit Connector (3P) Terminal No. 1 And Body Ground

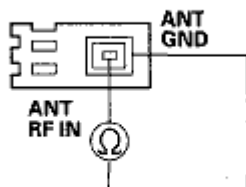
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Replace the antenna lead and/or sublead.

NO -Go to step 18.

18. Check for continuity between audio unit connector D (3P) terminal No. 1 and No. 2.

AUDIO UNIT CONNECTOR D (3P)

Terminal side of female terminals

Fig. 30: Checking Continuity Between Audio Unit Connector (3P) Terminal No. 1 And No. 2

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Replace the antenna lead and/or sublead.

NO -Replace the AM/FM antenna amplifier-rear window defogger coil, and recheck. If the reception is still poor, replace the audio unit.

19. Turn the ignition switch to LOCK (0).
20. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector D (3P).

NOTE: Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.

21. Check for continuity between audio unit connector D (3P) terminal No. 3 and the AM/FM antenna amplifier-rear window defogger coil 1P connector terminal.

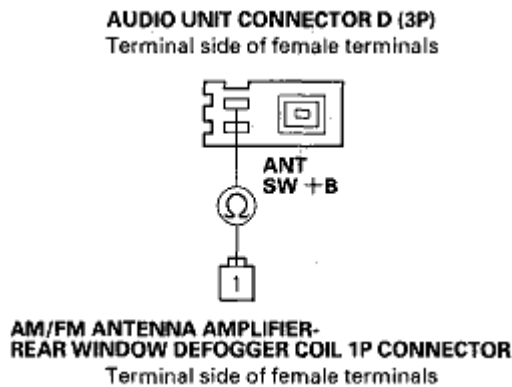


Fig. 31: Checking Continuity Between Audio Unit Connector (3P) And AM/FM Antenna Connector

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Substitute a known-good audio unit and retest.

NO -Repair open in the wire between the audio unit and the AM/FM antenna amplifier-rear window defogger coil.

POWER SWITCH WILL NOT TURN ON (NO INFORMATION DISPLAY AND NO SOUND)

NOTE:

- Check the vehicle battery condition first.
- Check the connectors for poor connections or loose terminals.

1. Turn the ignition switch to ON (II).
2. Push the power switch ON to see if the audio unit turns ON.

Does the power turn on?

YES -Operation is normal. If the display turns ON, but no sound is heard or if the display does not turn ON, but the sound is OK. Go to audio system sound is weak or distorted (see **AUDIO SYSTEM SOUND IS WEAK OR DISTORTED (DISPLAY IS NORMAL)**), or no sound is heard from speakers (see **NO SOUND IS HEARD FROM SPEAKER(S) (DISPLAY IS NORMAL)**).

NO -Go to step 3.

3. Turn the ignition switch to LOCK (0).
4. Check the No. 5 (20 A) and No. 32 (7.5 A) fuses in the under-dash fuse/relay box.

Are the fuses OK?

YES -Go to step 5.

NO -Replace the fuse(s) and recheck.

5. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and check that audio unit connector A (20P) is properly connected.

NOTE: Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.

Is it connected properly?

YES -Go to step 6.

NO -Reconnect the connector, and recheck the function.

6. Measure the voltage between audio unit connector A (20P) terminal No. 10 and body ground.

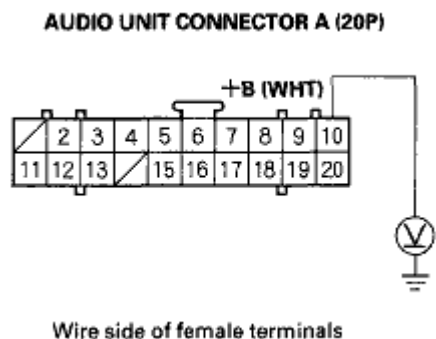


Fig. 32: Measuring Voltage Between Audio Unit Connector (20P) Terminal No. 10 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES -Go to step 7.

NO -Repair open or poor connection in the wire between the under-dash fuse/relay box and audio unit connector A (20P) terminal No. 10.

7. Turn the ignition switch to ON (II).
8. Measure the voltage between audio unit connector A (20P) terminal No. 2 and body ground.

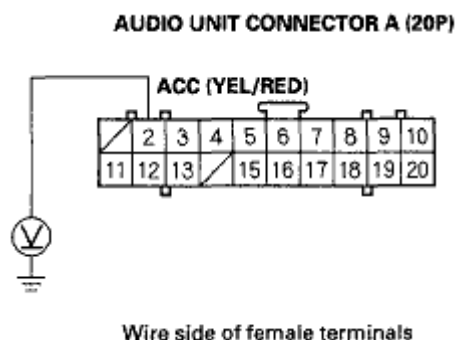


Fig. 33: Measuring Voltage Between Audio Unit Connector (20P) Terminal No. 2 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES -Go to step 9.

NO -Repair open circuit or poor connection in the wire between the under-dash fuse/relay box and audio unit connector A (20P) terminal No. 2.

9. Measure the voltage between audio unit connector A (20P) terminal No. 20 and body ground.

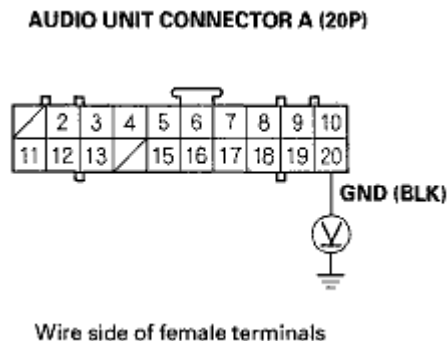


Fig. 34: Measuring Voltage Between Audio Unit Connector (20P) Terminal No. 20 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 0.1 V?

YES -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

NO -Repair open in the wire between audio unit connector A (20P) terminal No. 20 and body ground (G504).

RADIO PRESET MEMORY IS LOST

NOTE:

- Check the vehicle battery condition first.
- Check the connectors for poor connections or loose terminals.
- If only XM stations are lost, go to XM radio preset memory is lost (see

XM RADIO PRESET MEMORY IS LOST).

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and set each of the radio station preset buttons.

Do each of the preset buttons set properly?

YES -Go to step 3.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

3. Turn the ignition switch to LOCK (0) for 1 minute, then turn it back to ON (II).
4. Test all the preset buttons for proper recall operation.

Do the preset buttons recall the set radio stations?

YES -System is normal at this time. Check connections at the audio unit.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

POWER SWITCH WILL NOT TURN OFF RADIO (INFORMATION ON DISPLAY)**NOTE:**

- Check for aftermarket accessories plugged into the vehicle's accessory power sockets.
- Check the connectors for poor connections or loose terminals.

1. Turn the ignition switch to ON (II).
2. Push the audio unit power switch OFF.

Does the audio unit turn off?

YES -Operation is normal.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

RADIO STAYS POWERED WITH THE IGNITION SWITCH OFF**NOTE:**

- Check for aftermarket accessories plugged into the vehicle's accessory power sockets.
- Check the connectors for poor connections or loose terminals.

1. Turn the ignition switch to LOCK (0) to see if the audio unit turns OFF.

Is the audio unit OFF?

YES -Operation is normal.

NO -Go to step 2.

2. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector A (20P).

NOTE: Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.

3. Measure the voltage between the No. 2 terminal of audio unit connector A (20P) and body ground.

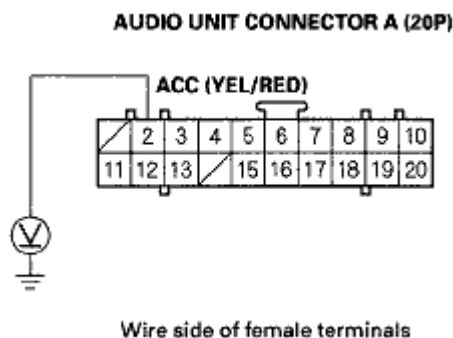


Fig. 35: Measuring Voltage Between No. 2 Terminal Of Audio Unit Connector (20P) And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES -Check for short to power on YEL/RED wire.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

AUDIO UNIT FREQUENTLY ASKS FOR THE ANTI-THEFT CODE

NOTE:

- Check the vehicle battery condition first.
- Check the connectors for poor connections or loose terminals.

1. Turn the ignition switch to LOCK (0).
2. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**).

NOTE: Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.

3. Measure the voltage between audio unit connector A (20P) terminal No. 10 and body ground.

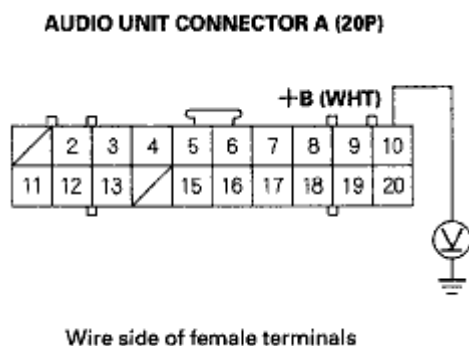


Fig. 36: Measuring Voltage Between Audio Unit Connector (20P) Terminal No. 10 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES -Check for an intermittent open in the wire between the under-dash fuse/relay box and audio unit connector A (20P) terminal No. 10. If the wire is OK, go to step 4.

NO -Repair open in the wire between the under-dash fuse/relay box and audio unit connector A (20P) terminal No. 10.

4. Turn the ignition switch to ON (II).
5. Measure the voltage between audio unit connector A (20P) terminal No. 20 and body ground.

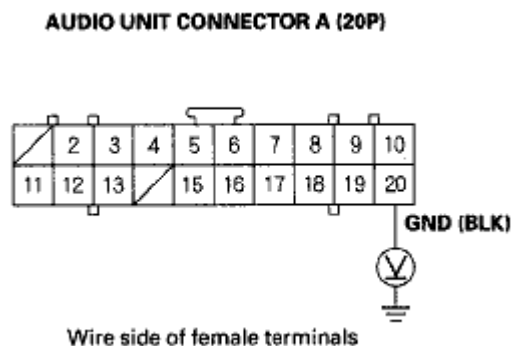


Fig. 37: Measuring Voltage Between Audio Unit Connector (20P) Terminal No. 20 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 0.1 V?

YES -Check for an intermittent open in the wire between the audio unit connector A (20P) terminal No. 20 and body ground (G504). If the wire is OK, replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

NO -Repair open in the wire between the audio unit connector A (20P) terminal No. 20 and body ground (G504).

NO SOUND IS HEARD FROM SPEAKER(S) (DISPLAY IS NORMAL)

NOTE:

- **Check the vehicle battery condition first.**
- **Set the fader and balance positions to the center.**
- **Before doing symptom troubleshooting, do the power switch will not turn on troubleshooting (see POWER SWITCH WILL NOT TURN ON (NO INFORMATION DISPLAY AND NO SOUND)).**
- **Always check the connectors for poor connections or loose terminals.**

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and check for sound in each mode (AM, FM, XM, and tape/CD).

Is the sound OK in each mode?

YES -Intermittent failure. The system is OK at this time. Check for loose connections at the audio unit and amplifier.

NO -Go to step 3.

3. Check that the volume button is not set to the min level.

Is it at the MIN level?

YES -Raise the volume level, and recheck the function.

NO -Go to step 4.

4. On the steering wheel, check the navigation talk command, and/or the HandsFreeLink talk command functions.

Are the navigation talk command and/or the HFL talk command functions set?

YES -Cancel the navigation talk command by pressing the navigation BACK button, and for the HFL talk command, press the HFL BACK button, then recheck the function.

NO -Go to step 5.

5. Do the speaker check mode in the self-diagnostic function (see **SELF-DIAGNOSTIC FUNCTION**).

Do any or all of the speakers fail to sound?

YES -Speaker(s) failed the test:

- If at least one speaker is OK, go to step 6.
- If all speakers fail to sound, go to stereo amplifier has no sound (see **STEREO AMPLIFIER HAS NO SOUND**).

NO -Speakers all work, but sound quality is poor in step 1.

- If sound is poor only with XM radio, or the XM radio does not function, go to poor or no sound with XM radio (see **POOR OR NO SOUND WITH XM RADIO (AUDIO UNIT DOES DISPLAY XM CHANNELS)**).
 - If the sound is poor only with AM or FM, go to poor AM or FM radio reception or interference (see **POOR AM OR FM RADIO RECEPTION OR INTERFERENCE**).
 - If the sound is poor only with tape/disc.
 - Try several known-good tapes/discs in the audio unit.
 - If the sound quality is normal, the original tape/ disc is faulty.
 - If the sound quality is still poor, replace the audio unit.
 - If the sound is poor in all modes, go to sound quality diagnosis (see **SOUND QUALITY DIAGNOSIS**).
6. Turn the ignition switch to LOCK (0).
 7. Remove the speaker(s) that fail to sound (see **SPEAKER TEST/REPLACEMENT**), and disconnect its connector.
 8. Do the speaker test (see **SPEAKER TEST/REPLACEMENT**).

Is the speaker OK?

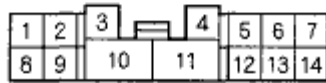
YES -Go to step 9.

NO -Replace the speaker.

9. Remove the right kick panel (see **TRIM REMOVAL/INSTALLATION - DOOR AREAS**), and disconnect stereo amplifier connector A (14P).
10. Check for continuity between stereo amplifier connector A (14P) terminals and body ground according to the table.

WIRE COLOR SPECIFICATIONS

Speaker	Terminal	Wire color
Driver's door speaker. Left tweeter	A6 (+)	LT GRN
	A13 (-)	PUR
Front passenger's door speaker, Right tweeter	A7 (+)	BLU
	A14 (-)	RED
Front center speaker	A9 (+)	GRN/WHT
	A8 (-)	BLU/YEL
Left rear speaker	A4 (+)	BRN/WHT
	A3 (-)	RED/YEL
Right rear speaker	A5 (+)	RED/BLU
	A12 (-)	YEL
Subwoofer	A2 (+)	YEL/BLK
	A1 (-)	LT GRN/RED

STEREO AMPLIFIER CONNECTOR A (14P)

Wire side of female terminals

Fig. 38: Checking Continuity Between Stereo Amplifier Connector (14P) Terminals And Body Ground

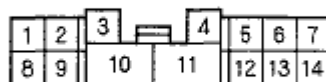
Courtesy of AMERICAN HONDA MOTOR CO., INC.

*Is there continuity?***YES** -Repair short in the wire between the stereo amplifier and speaker.**NO** -Go to step 11.

11. Connect each speaker 2P connector terminal No. 1 and No. 2 with a jumper wire.
12. Check for continuity between stereo amplifier connector A (14P) terminals according to the table.

CONTINUITY SPECIFICATIONS

Speaker	Terminals	
	(+)	(-)
Driver's door speaker, Left tweeter	A6	A13
Front passenger's door speaker. Right tweeter	A7	A14
Front center speaker	A9	A8
Left rear speaker	A4	A3
Right rear speaker	A5	A12
Subwoofer	A2	A1

STEREO AMPLIFIER CONNECTOR A (14P)

Wire side of female terminals

Fig. 39: Checking Continuity Between Stereo Amplifier Connector (14P) Terminals
Courtesy of AMERICAN HONDA MOTOR CO., INC.*Is there continuity?*

YES -Go to step 13.

NO -Repair open in the wire between the stereo amplifier and the speaker.

13. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector A (20P) and C (40P).

NOTE: Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.

14. Disconnect stereo amplifier connector B (20P).
15. Check for continuity between stereo amplifier connector B (20P) and body ground according to the table.

CONTINUITY SPECIFICATIONS

Stereo amplifier connector	Wire color
B1	BLK
B2	GRIM
B3	GRN/YEL
B4	GRN/BLU
B5	RED/BLU
B6	YEL/BLK
B8	GRY
B9	BLU
B10	BLU/YEL
B11	YEL/BLU
B14	WHT/GRN
B15	PNK/BLK

STEREO AMPLIFIER CONNECTOR B (20P)

1	2	3	4	5	6	7	8	9	10
11			14	15	16				

Wire side of female terminals

Fig. 40: Checking Continuity Between Stereo Amplifier Connector (20P) And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short in the wire between the stereo amplifier and the audio unit.

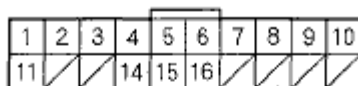
NO -Go to step 16.

16. Check for continuity between stereo amplifier connector B (20P) and audio unit connectors A (20P) and C (40P) according to the table.

CONTINUITY SPECIFICATIONS

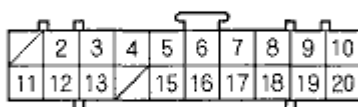
Audio unit connector	Stereo amplifier connector	Wire color
A6	B4	GRN/BLU
A16	B11	YEL/BLU
A5	B3	GRN/YEL
A15	B10	BLU/YEL
A8	B2	GRN
A18	B9	BLU
A7	B1	BLK
A17	B8	GRY
C1	B6	YEL/BLK
C21	B15	PNK/BLK
C2	B5	RED/BLU
C22	B14	WHT/GRN

STEREO AMPLIFIER CONNECTOR B (20P)



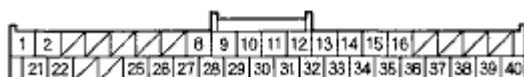
Wire side of female terminals

AUDIO UNIT CONNECTOR A (20P)



Wire side of female terminals

AUDIO UNIT CONNECTOR C (40P)



Wire side of female terminals

Fig. 41: Checking Continuity Between Stereo Amplifier Connector (20P) And Audio Unit Connectors (20P)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 17.

NO -Repair open in the wire between the stereo amplifier and audio unit.

17. Substitute a known-good stereo amplifier.
18. Reconnect all connectors.
19. Do the speaker check mode in the self-diagnosis (see **SELF-DIAGNOSTIC FUNCTION**).

Are there any failed speakers?

YES -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

NO -The original stereo amplifier is faulty; replace it.

AUDIO SYSTEM SOUND IS WEAK OR DISTORTED (DISPLAY IS NORMAL)

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and check for sound in each mode (AM, FM, XM, and tape/disc).

Is there sound from the speakers, and is the sound quality normal in each mode?

YES -Intermittent failure. The system is OK at this time. Check for loose connections at the audio unit, the amplifier, and each speaker.

NO -Speakers all work, sound quality is poor.

- If sound is poor only with XM radio, or the XM radio does not function, go to poor or no sound with XM radio (see **POOR OR NO SOUND WITH XM RADIO (AUDIO UNIT DOES DISPLAY XM CHANNELS)**).
- If the sound is poor only with AM or FM, go to poor AM or FM radio reception or interference (see **POOR AM OR FM RADIO RECEPTION OR INTERFERENCE**).
- If the sound is poor in all modes, go to sound quality diagnosis (see **SOUND QUALITY DIAGNOSIS**).

POOR OR NO SOUND WITH XM RADIO (AUDIO UNIT DOES DISPLAY XM CHANNELS)

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**
- **Check the radio reception in an open area. Poor reception/interference can be caused by tall buildings, mountains, or high-voltage power lines are nearby.**
- **If you can only tune to channel 000, 001, 174, and 247, make sure that the audio unit is set to the channel mode (see owner's manual). If it is set to the channel mode, call XM radio customer support and check the account activation status.**

1. Turn the ignition switch to ON (II).

2. Turn on the audio unit and select XM radio.
3. Check for an error message on the display.

Are there any messages displayed?

YES -Go to error code list (see **ERROR CODES**).

NO -Go to step 6.

4. Turn the ignition switch to LOCK (0).
5. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector B (14P).
6. Disconnect XM receiver connector A (14P) (without AcuraLink) or AcuraLink control unit (XM receiver) connector A (20P) (with AcuraLink).
7. Check for continuity between body ground and audio unit connector B (14P) terminal No. 5, No. 6, No. 13, and No. 14 individually.

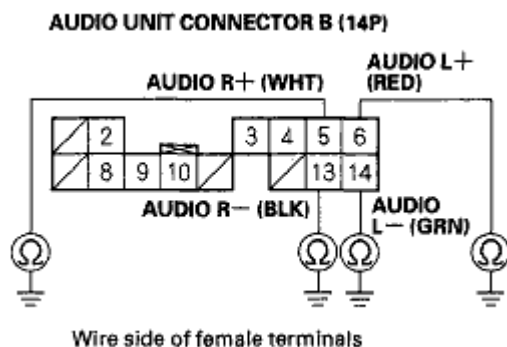


Fig. 42: Checking Continuity Between Body Ground And Audio Unit Connector B (14P) Terminal

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

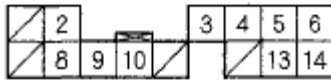
YES -Short to body ground in the wire(s) between audio unit and XM receiver (without AcuraLink) or AcuraLink control unit (XM receiver) (with AcuraLink). Replace the affected shielded harness.

NO -Go to step 8.

8. Check for continuity between audio unit connector B (14P) according to the table.

CONTINUITY SPECIFICATIONS

From terminal	To terminals
B4	B5, B6, B13, B14
B5	B6, B13, B14
B6	B13, B14
B13	B14

AUDIO UNIT CONNECTOR B (14P)

Wire side of female terminals

Fig. 43: Checking Continuity Between Audio Unit Connector B (14P)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Short in the wire(s) between audio unit and XM receiver (without AcuraLink) or AcuraLink control unit (XM receiver) (with AcuraLink). Replace the affected shielded harness.

NO -

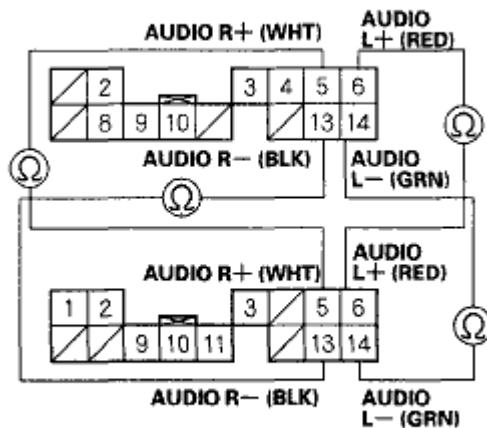
- Without AcuraLink: Go to step 9.
 - With AcuraLink: Go to step 10.
9. Check for continuity between audio unit connector B (14P) and XM receiver connector A (14P) according to the table.

CONTINUITY SPECIFICATIONS

Audio unit connector	XM receiver connector
B5	A5
B6	A6
B13	A13
B14	A14

AUDIO UNIT CONNECTOR B (14P)

Wire side of female terminals

**XM RECEIVER CONNECTOR A (14P)**

Wire side of female terminals

Fig. 44: Checking Continuity Between Audio Unit Connector (14P) And XM Receiver Connector (14P)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Substitute a known-good XM receiver and recheck. If the symptom/indication goes away, replace the original XM receiver. If the symptom/ indication is still present, replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

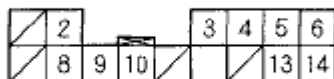
NO -Open in the wire(s) between audio unit and XM receiver. Replace the appropriate shielded harness.

10. Check for continuity between audio unit connector B (14P) and AcuraLink control unit (XM receiver) connector A (20P) according to the table.

WIRE COLOR SPECIFICATIONS

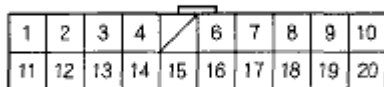
Audio unit connector	AcuraLink control unit (XM receiver) connector	Wire color
B4	A8	GRY
B5	A10	WHT
B6	A9	RED
B13	A20	BLK
B14	A19	GRN

AUDIO UNIT CONNECTOR B (14P)



Wire side of female terminals

ACURALINK CONTROL UNIT (XM RECEIVER) CONNECTOR A (20P)



Wire side of female terminals

Fig. 45: Checking Continuity Between Audio Unit Connector (14P) And AcuraLink Control Unit (XM Receiver) Connector (20P)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Substitute a known-good AcuraLink control unit (XM receiver) and recheck. If the symptom/ indication goes away, replace the original AcuraLink control unit (XM receiver). If the symptom/indication is still present, replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

NO -Open in the wire(s) between audio unit and AcuraLink control unit (XM receiver). Replace the affected shielded harness.

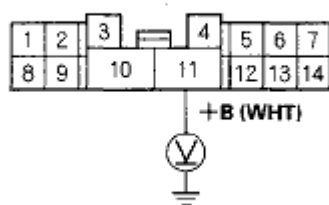
STEREO AMPLIFIER HAS NO SOUND

NOTE:

- Check the vehicle battery condition first.
- Check the connectors for poor connections or loose terminals.

1. Turn the ignition switch to LOCK (0).
2. Measure the voltage between stereo amplifier connector A (14P) terminal No. 11 and body ground.

STEREO AMPLIFIER CONNECTOR A (14P)



Wire side of female terminals

Fig. 46: Measuring Voltage Between Stereo Amplifier Connector (14P) Terminal No. 11 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

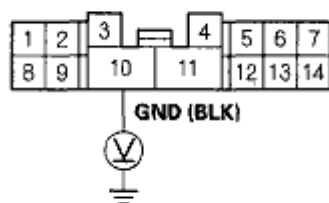
Is there battery voltage?

YES -Go to step 3.

NO -Repair open in the wire between No. 5 (20 A) fuse in the under-dash fuse/relay box and the stereo amplifier.

3. Turn the ignition switch to ON (II).
4. Measure the voltage between stereo amplifier connector A (14P) terminal No. 10 and body ground.

STEREO AMPLIFIER CONNECTOR A (14P)



Wire side of female terminals

Fig. 47: Measuring Voltage Between Stereo Amplifier Connector (14P) Terminal No. 10 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 0.1 V?

YES -Go to step 5.

NO -Repair open in the wire between the stereo amplifier and G506. If the wire is OK, repair loose or poor connection at G506.

5. Turn the ignition switch to LOCK (0).
6. Disconnect audio unit connector C (40P) and stereo amplifier connector B (20P).
7. Type-S model: Disconnect active noise control unit 16P connector, active noise control front microphone 4P connector, and active noise control rear microphone 5P connector.
8. Check for continuity between body ground and stereo amplifier connector B (20P) terminal No. 7 and No. 16 individually.

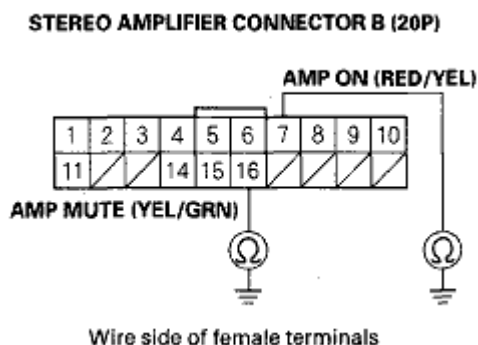


Fig. 48: Checking Continuity Between Body Ground And Stereo Amplifier Connector B (20P) Terminal No. 7 And 16

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short to body ground in the wire between the audio unit and the stereo amplifier.

NO -Go to step 9.

9. Check for continuity between stereo amplifier connector B (20P) terminal No. 7 and No. 16 and audio unit connector C (40P) terminal No. 15 and No. 16.

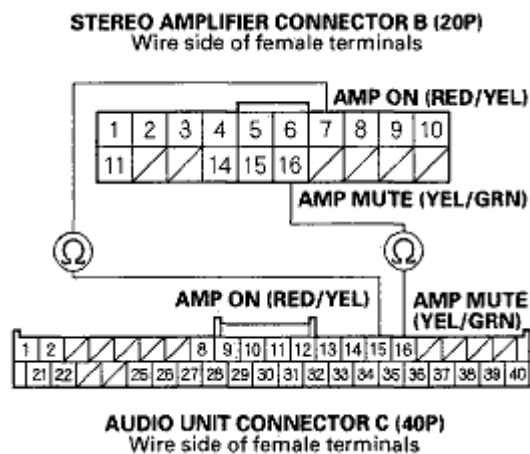


Fig. 49: Checking Continuity Between Terminal 7 And 16 And Terminal 15 And 16
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 10.

NO -Repair open in the wire between the stereo amplifier and audio unit.

- Substitute a known good stereo amplifier, then reconnect all connectors and do the speaker check mode in the self-diagnosis (see **SELF-DIAGNOSTIC FUNCTION**).

Is the sound normal?

YES -Replace the original stereo amplifier (see **STEREO AMPLIFIER REMOVAL/INSTALLATION**).

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

VOLUME IS TOO HIGH OR TOO LOW WHEN DRIVING AT FREEWAY SPEEDS

NOTE:

- Check the vehicle battery condition first.
- Check the connectors for poor connections or loose terminals.

- Turn the ignition switch to ON (II).
- Test-drive the vehicle at highway speeds and monitor volume level.

Is the volume level too high or too low?

YES -Go to step 3.

NO -Intermittent failure, the system is OK at this time.

- Change the SVC mode setting in sound set-up to "Low", "Mid", and "High".

Is the volume level still too high or too low?

YES -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

NO -Improper SVC setting for the client's sound preference. Advise the client to try different SVC settings.

VOLUME DOES NOT INCREASE WITH SPEED

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**

1. Turn the ignition switch to ON (II).
2. Verify the SVC mode setting in the audio unit sound set-up.

Is the SVC set to off?

YES -Change the setting to Mid and reset.

NO -Go to step 3.

3. Test-drive the vehicle at highway speeds, and monitor if the volume increases with speed;

Does the volume increase?

YES -Intermittent failure, the system is OK at this time.

NO -Go to step 4.

4. Turn the ignition switch to LOCK (0).
5. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector C (40P).
6. Raise the front of the vehicle, make sure it is securely supported, and allow the front wheels to rotate freely. Or raise the vehicle on a lift.
7. Turn the ignition switch to ON (II).
8. Press the brake pedal, and shift the transmission to D.
9. Slowly spin one of the front wheels by hand, and have an assistant measure voltage at navigation or audio unit connector C (40P) terminal No. 26 while the front wheels are rotating.

AUDIO UNIT CONNECTOR C (40P)

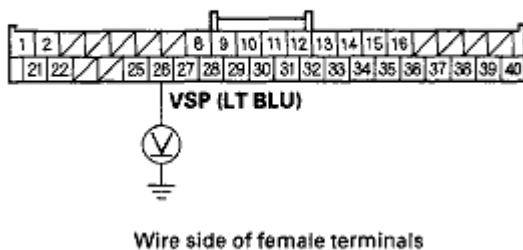


Fig. 50: Checking Voltage Between Audio Unit Connector (40P) Terminal No. 26
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there a 0-5 V pulse?

YES -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

NO -Repair open or shorts in the wire between the audio unit connector C (40P) No. 26 terminal and the ECM/PCM connector E (31P) No. 11 terminal. If no opens or shorts are found, substitute a known-good ECM/PCM and recheck. If the symptom/ indicated goes away, replace the original ECM/PCM (see **ECM/PCM REPLACEMENT**).

AUXILIARY INPUT SOUND IS LOW OR CANNOT BE HEARD

NOTE:

- **Check the vehicle battery condition first.**
- **Use auxiliary stereo cables with 3.5 mm ends only.**
- **Auxiliary accessories may be played on the audio unit using the auxiliary input.**

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and connect an auxiliary accessory to the auxiliary input jack.
3. Check the volume operation.

Is the sound normal?

YES -Operation is normal at this time.

NO -Go to step 4.

4. Make sure the auxiliary accessory volume is set to high.

Is the volume set to high?

YES -Go to step 5.

NO -Raise the auxiliary accessory volume to high. Make sure the audio unit volume is turned down before retesting.

5. Substitute a known-good auxiliary audio accessory and/or auxiliary stereo cable and recheck.

Does the auxiliary audio accessory operate properly?

YES -Original auxiliary audio accessory or auxiliary stereo cable is faulty.

NO -Go to step 6.

6. Turn the ignition switch to LOCK (0).
7. Remove the auxiliary jack assembly (see **AUXILIARY JACK ASSEMBLY REPLACEMENT**),

and check that the auxiliary jack assembly is properly connected.

Is the auxiliary jack assembly connected properly?

YES -Go to step 8.

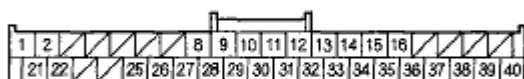
NO -Reconnect the connector, and recheck the function.

8. Disconnect auxiliary jack assembly 5P connector.
9. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector C (40P).
10. Check for continuity between body ground and audio unit connector C (40P) according to the table.

WIRE COLOR SPECIFICATIONS

Audio unit connector	Wire color
C31	YEL
C32	BRN
C33	GRN
C34	BLU
C35	WHT

AUDIO UNIT CONNECTOR C (40P)



Wire side of female terminals

Fig. 51: Checking Continuity Between Audio Unit Connector (40P)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

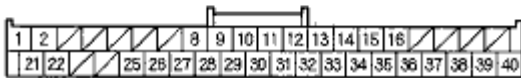
YES -Short to body ground in the wire(s) between audio unit and auxiliary jack assembly. Replace the affected shielded harness.

NO -Go to step 11.

11. Check for continuity between audio unit connector C (40P) according to the table.

CONTINUITY SPECIFICATIONS

From terminal	To terminals
C30	C31, C32, C33, C34, C35
C31	C32, C33, C34, C35
C32	C33, C34, C35
C33	C34, C35
C34	C35

AUDIO UNIT CONNECTOR C (40P)

Wire side of female terminals

Fig. 52: Checking Continuity Between Audio Unit Connector (40P)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

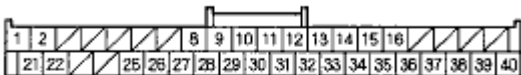
YES -Short in the wire(s) between audio unit and auxiliary jack assembly. Replace the affected shielded harness.

NO -Go to step 12.

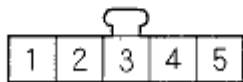
12. Check for continuity between audio unit connector C (40P) and auxiliary jack assembly 5P connector according to the table.

CONTINUITY SPECIFICATIONS

Audio unit connector	Auxiliary jack assembly connector	Wire color
C31	4	YEL
C32	3	BRN
C33	5	GRN
C34	2	BLU
C35	1	WHT

AUDIO UNIT CONNECTOR C (40P)

Wire side of female terminals

**AUXILIARY JACK ASSEMBLY
5P CONNECTOR**

Wire side of female terminals

**Fig. 53: Checking Continuity Between Audio Unit Connector (40P) And Auxiliary Jack
 Assembly 5P Connector**
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Substitute a known-good auxiliary jack assembly and recheck. If the symptom/indication goes away, replace the original auxiliary jack assembly. If the symptom/indication is still present, replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

NO -Open in the wire(s) between audio unit and auxiliary jack assembly. Replace the affected shielded harness.

AUDIO SYSTEM INFORMATION DOES NOT DISPLAY ON THE DISPLAY PANEL (WITHOUT NAVIGATION) OR AUDIO-HVAC SUBDISPLAY UNIT (WITH NAVIGATION). THE HVAC CONTROLS MAY ALSO BE AFFECTED

NOTE:

- Check the vehicle battery condition first.
- Check the connectors for poor connection or loose terminals.

1. Turn the ignition switch to ON (II).
2. Check for DTCs in the display panel control unit (see **GENERAL TROUBLESHOOTING INFORMATION**).

Are there any DTCs?

YES -Troubleshoot the DTCs.

NO -Go to step 3.

3. Turn the ignition switch to LOCK (0).
4. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector C (40P) and display panel control unit connector A (22P).
5. Check for continuity between body ground and audio unit connector C (40P) terminals No. 27 and No. 28 individually.

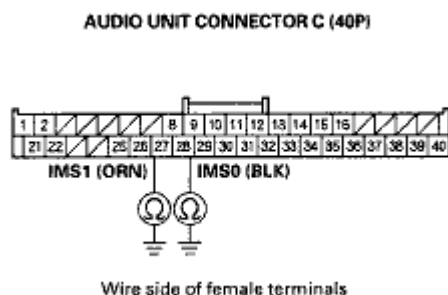


Fig. 54: Checking Continuity Between Body Ground And Audio Unit Connector C (40P) Terminals No. 27 And 28

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short to body ground in the wire(s) between audio unit and display panel control unit.

NO -Go to step 6.

6. Check for continuity between audio unit connector C (40P) and display panel control unit connector A (22P) according to the table.

CONTINUITY SPECIFICATIONS

Audio unit connector	Display panel control unit connector
C27	A16
C28	A17

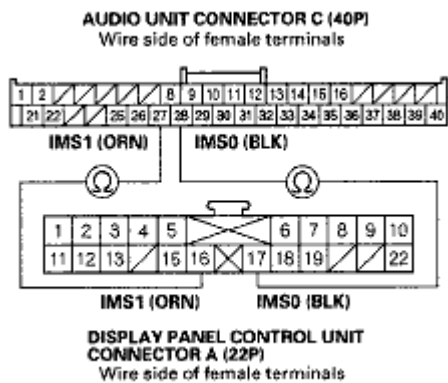


Fig. 55: Checking Continuity Between Audio Unit Connector (40P) And Display Panel Control Unit Connector (22P)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 7.

NO -Repair open in the wire(s) between audio unit and display panel control unit.

7. Check for continuity between body ground and audio unit connector C (40P) terminals No. 9 and No. 29 individually.

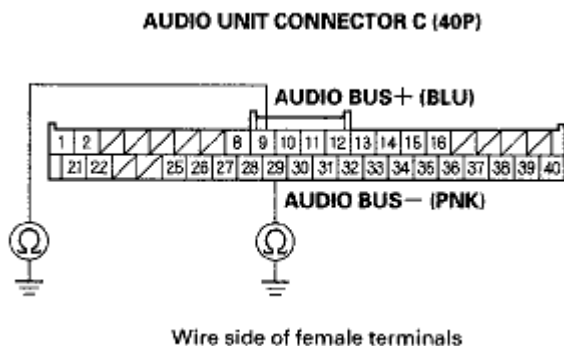


Fig. 56: Checking Continuity Between Body Ground And Audio Unit Connector C (40P) Terminals 9 And 29

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Short to body ground in the wire(s) between audio unit and display panel control unit. Replace

the affected shielded harness.

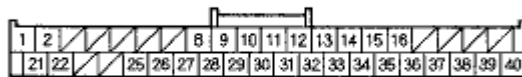
NO -Go to step 8.

8. Check for continuity between audio unit connector C (40P) according to the table.

CONTINUITY SPECIFICATIONS

From terminal	To terminals
C9	C10, C29
C10	C29

AUDIO UNIT CONNECTOR C (40P)



Wire side of female terminals

Fig. 57: Checking Continuity Between Audio Unit Connector (40P)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Short in the wire(s) between audio unit and display panel control unit. Replace the affected shielded harness.

NO -Go to step 9.

9. Check for continuity between audio unit connector C (40P) and display panel control unit connector A (22P) according to the table.

CONTINUITY SPECIFICATIONS

Audio unit connector	Display panel control unit connector
C9	A7
C10	A18
C29	A19

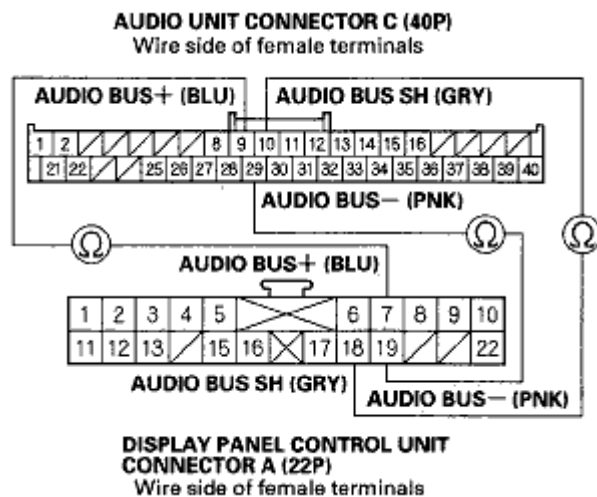


Fig. 58: Checking Continuity Between Audio Unit Connector (40P) And Display Panel Control Unit Connector (22P)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -

- With navigation: Go to step 10.
- Without navigation: Substitute a known-good display panel control unit and recheck. If the symptom/indication goes away, replace the original display panel control unit. If the symptom/indication is still present, replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

NO -Open in the wire(s) between audio unit and display panel control unit. Replace the affected shielded harness.

10. Disconnect display panel control unit connector E (22P) and audio-HVAC subdisplay unit 10P connector.
11. Check for continuity between body ground and audio-HVAC subdisplay unit 10P connector terminal No. 1.

AUDIO-HVAC SUBDISPLAY UNIT 10P CONNECTOR

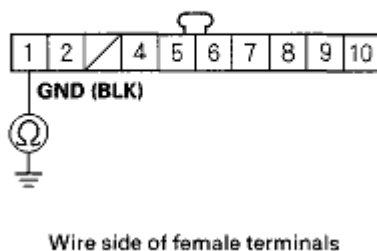


Fig. 59: Checking Continuity Between Audio-HVAC Subdisplay Unit 10P Connector Terminal 1 Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 12.

NO -Repair open in the wire between audio-HVAC subdisplay unit and G503. If the wire is OK, repair loose or poor connection at G503.

12. Check for continuity between body ground and audio-HVAC subdisplay unit 10P connector terminals No. 2, No. 9, and No. 10 individually.

AUDIO-HVAC SUBDISPLAY UNIT 10P CONNECTOR

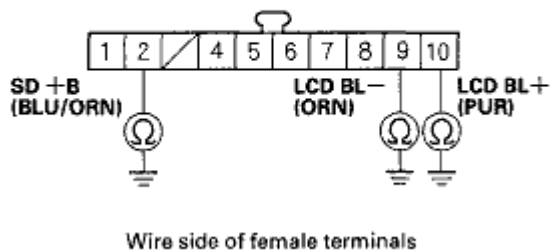


Fig. 60: Checking Continuity Between Audio-HVAC Subdisplay Unit 10P Connector Terminals 2, 9, And 10 Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short to body ground in the wire(s) between display panel control unit and audio-HVAC subdisplay unit.

NO -Go to step 13.

13. Check for continuity between display panel control unit connector E (22P) and audio-HVAC subdisplay unit 10P connector according to the table.

CONTINUITY SPECIFICATIONS

Display panel control unit connector	Audio-HVAC subdisplay unit connector
E18	10
E19	9
E20	2

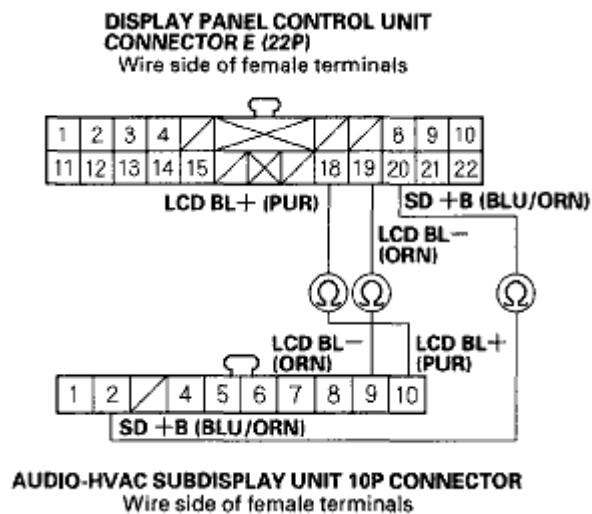


Fig. 61: Checking Continuity Between Display Panel Control Unit Connector E (22P) And Audio-HVAC Subdisplay Unit 10P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 14.

NO -Repair open in the wire(s) between display panel control unit and audio-HVAC subdisplay unit.

14. Check for continuity between body ground and display panel control unit connector E (22P) terminals No. 9, No. 10, No. 21, and No. 22 individually.

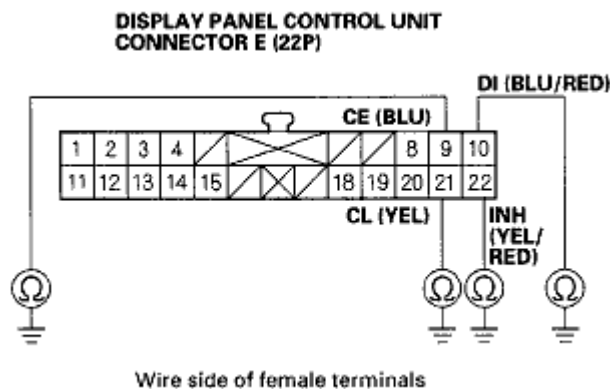


Fig. 62: Checking Continuity Between Display Panel Control Unit Connector E (22P) Terminals 9, 10, 21, And 22 Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Short to body ground in the wire(s) between display panel control unit and audio-HVAC subdisplay unit. Replace the affected shielded harness.

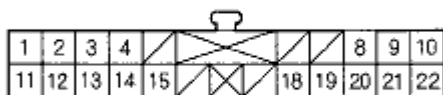
NO -Go to step 15.

15. Check for continuity between display panel control unit connector E (22P) according to the table.

CONTINUITY SPECIFICATIONS

From terminal	To terminals
E8	E9, E10, E21, E22
E9	E10, E21, E22
E10	E21, E22
E21	E22

**DISPLAY PANEL CONTROL UNIT
CONNECTOR E (22P)**



Wire side of female terminals

**Fig. 63: Checking Continuity Between Display Panel Control Unit Connector E (22P)
Courtesy of AMERICAN HONDA MOTOR CO., INC.**

Is there continuity?

YES -Short in the wire(s) between display panel control unit and audio-HVAC subdisplay unit.
Replace the affected shielded harness.

NO -Go to step 16.

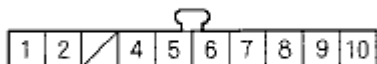
16. Check for continuity between display panel control unit connector E (22P) and audio-HVAC subdisplay unit 10P connector according to the table.

CONTINUITY SPECIFICATIONS

Display panel control unit connector	Audio-HVAC subdisplay unit connector	Wire color
E8	8	BRN/BLK
E9	7	BLU
E10	6	BLU/RED
E21	5	YEL
E22	4	YEL/RED

**DISPLAY PANEL CONTROL UNIT
CONNECTOR E (22P)**

Wire side of female terminals

AUDIO-HVAC SUBDISPLAY UNIT 10P CONNECTOR

Wire side of female terminals

Fig. 64: Checking Continuity Between Display Panel Control Unit Connector E (22P) And Audio-HVAC Subdisplay Unit 10P Connector**Courtesy of AMERICAN HONDA MOTOR CO., INC.***Is there continuity?*

YES -Substitute a known-good audio-HVAC subdisplay unit and recheck. If the symptom/ indication goes away, replace the original audio-HVAC subdisplay unit. If the symptom/indication is still present, replace the display panel control unit.

NO -Repair open in the wire(s) between display panel control unit and audio-HVAC subdisplay unit.

AUDIO REMOTE SWITCH DOES NOT WORK PROPERLY**NOTE:**

- Check the vehicle battery condition first.
- Check the connectors for poor connections or loose terminals.

1. Test the audio remote switch (see **AUDIO REMOTE SWITCH TEST**).

Is the audio remote switch OK ?

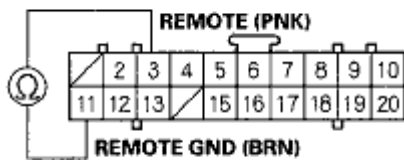
YES -Go to step 2.

NO -Replace the audio remote switch (see **STEERING WHEEL DISASSEMBLY/REASSEMBLY**).

2. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**).

NOTE: Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.

3. Measure the resistance between audio unit connector A (20P) terminals No. 3 and No. 11 as specified in the table.

AUDIO UNIT CONNECTOR A (20P)

Wire side of female terminals

Fig. 65: Measuring Resistance Between Audio Unit Connector (20P) Terminals No. 3 And No. 11

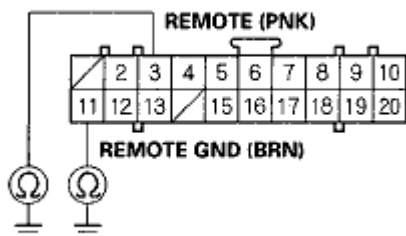
Courtesy of AMERICAN HONDA MOTOR CO., INC.

AUDIO REMOTE SWITCH**AUDIO REMOTE SWITCH RESISTANCE SPECIFICATIONS**

Button held down	VOL DOWN	VOL UP	CH (-)	CH (+)	MODE	(NONE)
Resistance	about 100 ohms	about 357 ohms	about 775 ohms	about 1.7 kohms	about 3.7 kohms	about 10 kohms

*Is the resistance OK?***YES** -Go to step 4.**NO** -Repair open or high resistance in the wire between the audio unit and the audio remote switch. If the wires are OK, replace the cable reel (see **CABLE REEL REPLACEMENT**).

- Check for continuity between body ground and audio unit connector A (20P) terminals No. 3 and No. 11 individually.

AUDIO UNIT CONNECTOR A (20P)

Wire side of female terminals

Fig. 66: Checking Continuity Between Audio Unit Connector (20P) Terminals 3 And 11 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

*Is there continuity?***YES** -Repair short to ground in the wire between the audio unit and the audio remote switch. If the

wires are OK, replace the cable reel (see **CABLE REEL REPLACEMENT**).

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

AUDIO DISC OR TAPE DOES NOT LOAD

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**
- **Disc labels should not be used in the audio unit. They may damage the player mechanism.**
- **Make sure the CD or DVD is compatible with the system (see the owner's manual for more information).**

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and insert a known-good disc or tape to see if the symptom can be duplicated.

Does the disc or tape load?

YES -Operation is normal. If the disc or tape loads normally, but will not play, go to audio disc or tape does not play (see **AUDIO DISC OR TAPE DOES NOT PLAY**).

NO -Go to step 2.

3. Insert another disc or tape.

Does the disc or tape load?

YES -The original disc or tape is faulty.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

Special Tools Required

Audio diagnostic CD 07AAZ-SDBA100

AUDIO DISC OR TAPE DOES NOT PLAY

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and try loading a disc or tape.

Does the disc or tape load?

YES -Go to step 3.

NO -Go to audio disc or tape does not load (see **AUDIO DISC OR TAPE DOES NOT LOAD**).

3. Insert audio diagnostic CD (T/N 07AAZ-SDBA100) or a known-good tape in the audio unit.

Does the disc or tape play?

YES -The original disc is faulty or is an unreadable format.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

Special Tools Required

Diagnostics CD 07AAZ-SDBA100

AUDIO DISC SKIPS

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**

1. Confirm the vehicles tires are properly inflated.
2. Check the disc for scratches, fingerprints, and marks.

NOTE:

The following test should be performed with audio unit bass and treble set to clients listening performance. When comparing to known-good vehicles, comparison should be performed on same model and trim level.

3. Test drive to identify when the disc skips. The audio diagnostic CD (T/N: 07AAZ-SDBA100) can be used if the client's disc is not available. Use tracks 10 to 12.

Does the CD skip?

YES -Go to step 4.

NO -Operation is normal.

4. Compare the client's disc that skips to a known-good vehicle under the same conditions.

Does the disc skip in the known-good vehicle under the same conditions?

YES -Operation is normal.

NO -Go to step 5.

NOTE:

The following test should be performed with vehicle parked and engine running.

5. Insert the diagnostic skip test CD (T/N: 07AAZ-SDBA300) (ABEX TCD 721). Play tracks 2 to 11

and note the track number(s) when the CD starts skipping. Do the same test on a known-good vehicle.

Does the CD skip on the same track number(s) as the known-good vehicle?

YES -Operation is normal.

NO -Go to step 6.

6. Insert the diagnostic skip test CD (T/N: 07AAZ-SDBA200) (ABEX TCD 725B) play tracks 7 to 11 and tracks 13 to 15 and note the track number(s) where the CD starts skipping. Perform the same test on a known-good vehicle.

Does the CD skip on same track number(s) as the known-good vehicle?

YES -Operation is normal.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

AUDIO DISC DOES NOT EJECT

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**
- **Disc labels should not be used in the audio unit. They may damage the player mechanism.**

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit.

Does the system turn on?

YES -Go to step 3.

NO -Go to power switch will not turn ON (see **POWER SWITCH WILL NOT TURN ON (NO INFORMATION DISPLAY AND NO SOUND)**).

3. Check to see if the disc is ejected correctly with no binding by pushing the EJECT button.

Does the disc eject normally?

YES -Operation is normal.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

AUDIO DISC CHANGER DOES NOT LOAD ALL SIX DISCS

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**
- **Disc labels should not be used in the audio unit. They may damage the**

player mechanism.

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and try loading six discs into the audio unit (in-dash disc changer).

Does the audio unit accept all six discs?

YES -Intermittent failure, the audio unit is OK at this time.

NO -Go to step 3.

3. Try to loading the audio unit (in-dash disc changer) with known-good discs.

Does the audio unit accept all six discs?

YES -At least one of the original disc is faulty.

NO -Replace the audio unit (in-dash disc changer) (see **AUDIO UNIT REMOVAL/INSTALLATION**).

AUDIO DISC CHANGER DOES NOT MOVE BETWEEN DISCS**NOTE:**

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**
- **Disc labels should not be used in the audio unit. They may damage the player mechanism.**

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and insert the six discs into the audio unit (in-dash disc changer) and see if the changer moves between discs.

Does the disc changer operate normally?

YES -Intermittent failure, the disc changer is OK at this time.

NO -Go to step 3.

3. Insert six known-good discs into the audio unit (in-dash disc changer).

Does the disc changer operate normally?

YES -At least one of the original discs is faulty.

NO -Replace the audio unit (in-dash disc changer) (see **AUDIO UNIT REMOVAL/INSTALLATION**).

VOLUME DOES NOT CHANGE

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**
- **Set the fader and balance position to the center.**

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and check for sound in each mode (AM, FM, XM, and disc).

Is the sound normal?

YES -Go to step 3.

NO -Go to audio system sound is weak or distorted, or no sound is heard from speakers (see **NO SOUND IS HEARD FROM SPEAKER(S) (DISPLAY IS NORMAL)**).

3. Check the audio information on the display panel control unit (without navigation) or audio-HVAC subdisplay unit (with navigation).

Does the audio information display properly?

YES -Intermittent failure, the system is OK at this time.

NO -Go to step 4.

4. Operate the volume knob to see if the volume changes.

Does it change?

YES -Operation is normal.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

RADIO TUNER DOES NOT CHANGE STATIONS**NOTE:**

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**

1. Turn the ignition switch to ON (II).
2. Check the audio information on the display panel control unit (without navigation) or audio-HVAC subdisplay unit (with navigation).

Does the audio information display properly?

YES -Intermittent failure, the system is OK at this time.

NO -Go to step 3.

3. Operate the tuning knob to see if the radio station changes.

Does it change?

YES -Intermittent failure, the tuning knob is OK at this time.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

AUDIO UNIT BUTTON ILLUMINATION DOES NOT WORK

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**

1. Turn the ignition switch to ON (II).
2. Turn the combination lighting switch to the parking light position.
3. Check the illumination of the audio unit buttons.

Are the buttons illuminated?

YES -Intermittent failure; the audio unit is OK at this time. Check for loose or poor connections at audio unit connector A (20P).

NO -Go to step 4.

4. Check the illumination of several other buttons not related to the audio system.

Are the buttons illuminated?

YES -Go to step 5.

NO -Troubleshoot the interior lights.

5. Turn the ignition switch to Lock (0).
6. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector A (20P).

NOTE: **Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.**

7. Disconnect gauge control module connector B (18P) (see **REWRITING THE ODO DATA ON A NEW GAUGE CONTROL MODULE**).
8. Check for continuity between audio unit connector A (20P) terminal No. 19 and gauge control module connector B (18P) terminal No. 9.

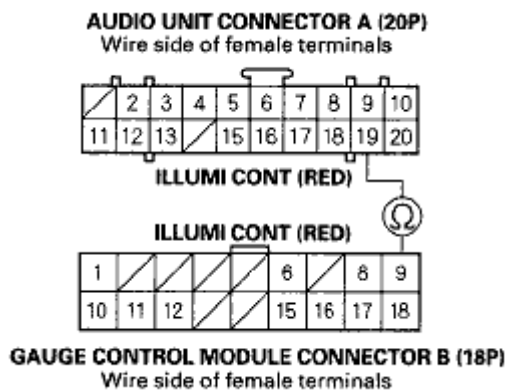


Fig. 67: Checking Continuity Between Audio Unit Connector (20P) Terminal 19 And Gauge Control Module Connector (18P) Terminal 9
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 9.

NO -Repair open in the wire between the gauge control module and the audio unit.

9. Turn the ignition switch to ON (II).
10. With the headlight switch still on, measure the voltage between audio unit connector A (20P) terminal No. 9 and body ground.

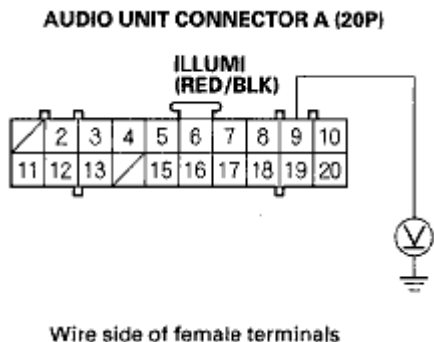


Fig. 68: Measuring Voltage Between Audio Unit Connector (20P) Terminal No. 9 And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES -Check the connections at the audio unit connector A (20P). If all connections are OK, replace the audio unit (see [AUDIO UNIT REMOVAL/INSTALLATION](#)).

NO -Repair open in the wire between the relay control module and the audio unit.

DISPLAY DOES NOT DIM OR BRIGHTEN WITH DIMMER

NOTE:

- Check the vehicle battery condition first.

- **Check the connectors for poor connections or loose terminals.**

1. Turn the ignition switch to ON (II).
2. Turn the combination light switch ON and OFF to see if the symptom can be duplicated.

Is the symptom duplicated?

YES -Go to step 3.

NO -Operation is normal at this time.

3. Turn the combination light switch OFF.
4. Operate the illumination control dial.

Does it operate normally?

YES -Operation is normal at this time.

NO -Do the display panel control unit input test (see **DISPLAY PANEL CONTROL UNIT INPUT TEST**).

ERROR CODE: XM NO SIGNAL IS DISPLAYED

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**
- **Check XM radio reception in an open area with good exposure to the southern horizon. Poor reception/ interference can be caused by tall buildings, mountains, or high-voltage power lines.**

1. Park vehicle outside with a clear view of the southern horizon.
2. Turn the ignition switch to ON (II).
3. Turn on the audio unit and select XM radio.

Does the XM radio receive a signal?

YES -Reception is normal.

NO -

- With AcuraLink: Go to step 4.
- Without AcuraLink: Go to step 13.

4. Turn the ignition switch to LOCK (0).
5. Check XM antenna 2P connector and AcuraLink control unit (XM receiver) connector B (2P).

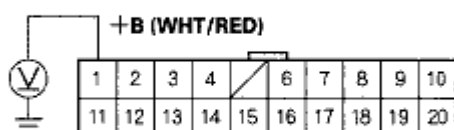
Are the connectors connected?

YES -Go to step 6.

NO -Reconnect the XM antenna 2P connector and AcuraLink control unit connector B (2P) connector and recheck XM radio operation. If the signal is restored, the system is OK. If the signal is not restored go to step 6.

6. Disconnect AcuraLink control unit (XM receiver) connector A (20P).
7. Measure the voltage between AcuraLink control unit (XM receiver) connector A (20P) terminal No. 1 and body ground.

**ACURALINK CONTROL UNIT (XM RECEIVER)
CONNECTOR A (20P)**



Wire side of female terminals

Fig. 69: Measuring Voltage Between AcuraLink Control Unit Connector (20P) Terminal 1 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

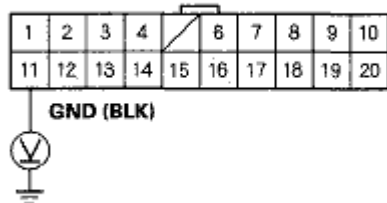
Is there battery voltage?

YES -Go to step 8.

NO -Repair open in the wire between No. 7 (7.5 A) fuse in the under-hood fuse/relay box and AcuraLink control unit (XM receiver) connector A (20P) terminal No. 1.

8. Reconnect the AcuraLink control unit (XM receiver) connector A (20P).
9. Turn the ignition switch to ON (II).
10. Measure the voltage between AcuraLink control unit (XM receiver) connector A (20P) terminal No. 11 and body ground.

**ACURALINK CONTROL UNIT (XM RECEIVER)
CONNECTOR A (20P)**



Wire side of female terminals

Fig. 70: Measuring Voltage Between AcuraLink Control Unit Connector (20P) Terminal 11 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 0.1 V?

YES -Go to step 11.

NO -Repair open in the wire between AcuraLink control unit (XM receiver) connector A (20P) terminal No. 11 and body ground (G604) (see **GROUND TO COMPONENTS INDEX**).

11. Turn the ignition switch to LOCK (0).
12. Substitute a known-good XM antenna.

Does the XM radio receive a signal?

YES -Replace the XM antenna (see **XM ANTENNA REPLACEMENT**).

NO -Substitute a known-good XM antenna lead. If AcuraLink control unit (XM receiver) receives a signal, replace original XM antenna lead. If the AcuraLink control unit (XM receiver) does not receives a signal, substitute a known-good AcuraLink control unit (XM receiver).

13. Turn the ignition switch to LOCK (0).
14. Check the connection at XM antenna 2P connector and XM receiver connector B (2P).

Is the connectors connected?

YES -Go to step 15.

NO -Reconnect the connectors and recheck XM radio operation. If the signal is restored, the system is OK. If the signal is not restored go to step 15.

15. Measure the voltage between XM receiver connector A (14P) terminal No. 1 and body ground.

XM RECEIVER CONNECTOR A (14P)

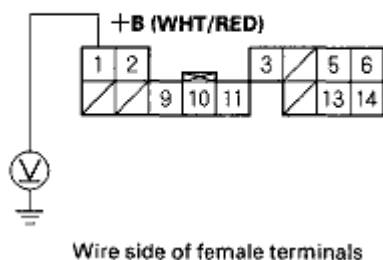


Fig. 71: Measuring Voltage Between XM Receiver Connector (14P) Terminal 1 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

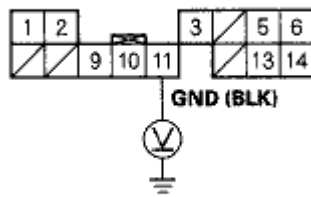
YES -Go to step 16.

NO -Repair open in the wire between No. 7 (7.5 A) fuse in the under-dash fuse/relay box and XM receiver connector A (14P) terminal No. 1.

16. Turn the ignition switch to ON (II).

17. Measure the voltage between XM receiver connector A (14P) terminal No. 11 and body ground.

XM RECEIVER CONNECTOR A (14P)



Wire side of female terminals

Fig. 72: Measuring Voltage Between XM Receiver Connector (14P) Terminal 11 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 0.1 V?

YES -Go to step 18.

NO -Repair open in the wire between connector A (14P) terminal No. 11 and body ground (G604).

18. Turn the ignition switch to LOCK (0).
19. Substitute a known-good XM antenna.

Does the XM radio receives signal?

YES -Replace the XM antenna (see **XM ANTENNA REPLACEMENT**).

NO -Substitute a known-good XM antenna lead. If XM receiver receives signal, replace original XM antenna lead. If the XM receiver does not receives signal, substitute a known-good XM receiver.

ERROR CODE: XM ANTENNA IS DISPLAYED

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**

1. Check the connector at the XM receiver (without AcuraLink) or the AcuraLink control unit (XM receiver) (with AcuraLink).

Is the connector connected?

YES -Go to step 2.

NO -Reconnect the connector. If the error message does not go away, go to step 2.

2. Check the connector at the XM antenna.

Is the connector connected?

YES -Go to step 3.

NO -Reconnect the connector. If the error message does not go away, go to step 3.

3. Substitute a known-good XM antenna.

Is the error message gone?

YES -Replace the XM antenna.

NO -Substitute a known-good XM antenna lead and recheck. If the XM receiver or AcuraLink control unit (XM receiver) receives a signal, replace the original XM antenna lead; If the symptom/ indication is still present, replace the XM receiver or AcuraLink control unit (XM receiver).

XM RADIO DISPLAY IS BLANK AND NO STATION INFORMATION IS DISPLAYED (CANADA MODELS, USA MODELS WITHOUT NAVIGATION)

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**

1. Measure the voltage between XM receiver connector A (14P) terminal No. 1 and body ground.

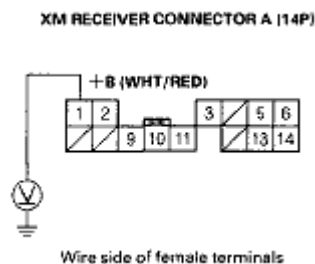


Fig. 73: Measuring Voltage Between XM Receiver Connector (14P) Terminal 1 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES -Go to step 2.

NO -Repair open in the wire between No. 7 (7.5 A) fuse in the under-dash fuse/relay box and XM receiver connector A (14P) terminal No. 1.

2. Turn the ignition switch to ON (II).
3. Measure the voltage between XM receiver connector A (14P) terminal No. 2 and body ground.

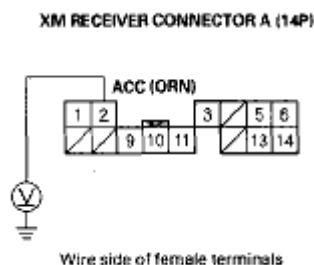


Fig. 74: Measuring Voltage Between XM Receiver Connector (14P) Terminal 2 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES -Go to step 4.

NO -Repair open in the wire between audio unit connector B (14P) terminal No. 2 and XM receiver connector A (14P) terminal No. 2. If the wire is OK, substitute a known-good audio unit and recheck.

4. Measure the voltage between XM receiver connector A (14P) terminal No. 11 and body ground.

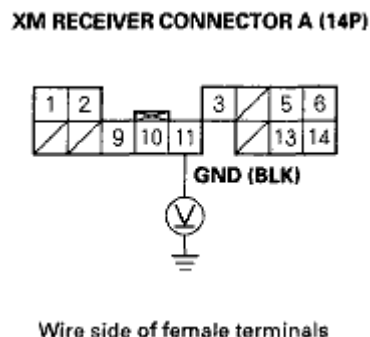


Fig. 75: Measuring Voltage Between XM Receiver Connector (14P) Terminal 11 And Body Ground

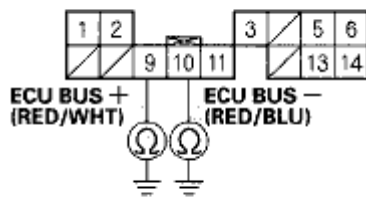
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 0.1 V?

YES -Go to step 5.

NO -Repair open in the wire between XM receiver connector A (14P) terminal No. 11 and body ground (G604).

5. Turn the ignition switch to LOCK (0).
6. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector B (14P) and display panel control unit connector E (22P) (with navigation).
7. Disconnect XM receiver connector A (14P) and navigation unit connector A (20P) (with navigation).
8. Check for continuity between body ground and XM receiver connector A (14P) terminals No. 9 and No. 10 individually.

XM RECEIVER CONNECTOR A (14P)

Wire side of female terminals

Fig. 76: Checking Continuity Between Body Ground And XM Receiver Connector A (14P) Terminals 9 And 10

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

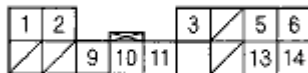
YES -Short to body ground in the wire(s) between XM receiver, audio unit, display panel control unit (Canada models with navigation) and navigation unit (Canada models with navigation). Replace the affected shielded harness.

NO -Go to step 9.

9. Check for continuity between XM receiver connector A (14P) according to the table.

CONTINUITY SPECIFICATION

From terminal	To terminals
A3	A9, A10
A9	A10

XM RECEIVER CONNECTOR A (14P)

Wire side of female terminals

Fig. 77: Checking Continuity Between XM Receiver Connector (14P)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Short in the wire(s) between XM receiver, audio unit, display panel control unit (Canada models with navigation) and navigation unit (Canada models with navigation). Replace the affected shielded harness.

NO -Go to step 10.

10. Check for continuity between XM receiver connector A (14P) and audio unit connector B (14P)

according to the table.

CONTINUITY SPECIFICATION

XM receiver connector	Audio unit connector
A3	B3
A9	B9
A10	B10

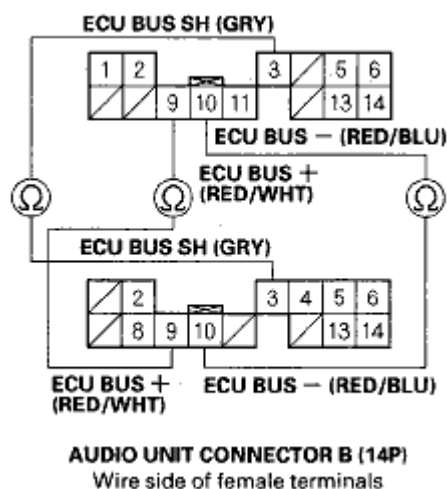


Fig. 78: Checking Continuity Between XM Receiver Connector (14P) And Audio Unit Connector B (14P)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Substitute a known-good XM receiver, then reconnect all of the connectors and recheck. If the symptom/indication goes away, replace the original XM receiver. If the symptom/indication is still present, replace the audio unit.

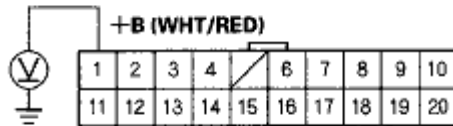
NO -Open in the wire(s) between XM receiver and audio unit. Replace the affected shielded harness.

XM RADIO DISPLAY IS BLANK AND NO STATION INFORMATION IS DISPLAYED (USA MODELS WITH NAVIGATION)

NOTE:

- Check the vehicle battery condition first.
- Check the connectors for poor connections or loose terminals.

1. Measure the voltage between AcuraLink control unit (XM receiver) connector A (20P) terminal No. 1 and body ground.

**ACURALINK CONTROL UNIT (XM RECEIVER)
CONNECTOR A (20P)**

Wire side of female terminals

Fig. 79: Measuring Voltage Between AcuraLink Control Unit Connector (20P) Terminal 1 And Body Ground**Courtesy of AMERICAN HONDA MOTOR CO., INC.***Is there battery voltage?***YES** -Go to step 2.**NO** -Repair open in the wire between No. 7 (7.5 A) fuse in the under-dash fuse/relay box and AcuraLink control unit (XM receiver) connector A (20P) terminal No. 1.

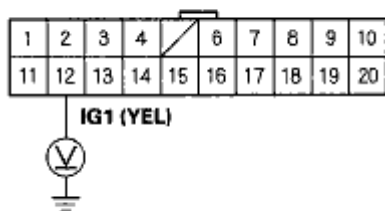
2. Turn the ignition switch to ON (II).
3. Measure the voltage between AcuraLink control unit (XM receiver) connector A (20P) terminal No. 2 and body ground.

**ACURALINK CONTROL UNIT (XM RECEIVER)
CONNECTOR A (20P)**

Wire side of female terminals

Fig. 80: Measuring Voltage Between AcuraLink Control Unit Connector (20P) Terminal 2 And Body Ground**Courtesy of AMERICAN HONDA MOTOR CO., INC.***Is there battery voltage?***YES** -Go to step 4.**NO** -Repair open in the wire between No. 32 (7.5 A) fuse in the under-dash fuse/relay box and AcuraLink control unit (XM receiver) connector A (20P) terminal No. 2.

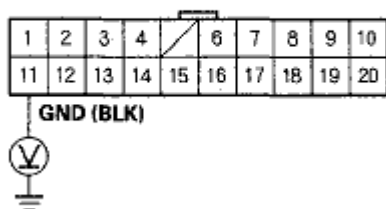
4. Measure the voltage between AcuraLink control unit (XM receiver) connector A (20P) terminal No. 12 and body ground.

**ACURALINK CONTROL UNIT (XM RECEIVER)
CONNECTOR A (20P)**

Wire side of female terminals

Fig. 81: Measuring Voltage Between AcuraLink Control Unit Connector (20P) Terminal 12 And Body Ground**Courtesy of AMERICAN HONDA MOTOR CO., INC.***Is there battery voltage?***YES** -Go to step 5.**NO** -Repair open in the wire between No. 21 (7.5 A) fuse in the under-dash fuse/relay box and AcuraLink control unit (XM receiver) connector A (20P) terminal No. 12.

5. Measure the voltage between AcuraLink control unit (XM receiver) connector A (20P) terminal No. 11 and body ground.

**ACURALINK CONTROL UNIT (XM RECEIVER)
CONNECTOR A (20P)**

Wire side of female terminals

Fig. 82: Measuring Voltage Between AcuraLink Control Unit Connector (20P) Terminal 11 And Body Ground**Courtesy of AMERICAN HONDA MOTOR CO., INC.***Is there less than 0.1 V?***YES** -Go to step 6.**NO** -Repair open in the wire between AcuraLink control unit (XM receiver) connector A (20P) terminal No. 11 and body ground (G604).

6. Turn the ignition switch to LOCK (0).
7. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector B (14P) and display panel control unit connector E (22P).

NOTE: Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.

8. Disconnect AcuraLink control unit (XM receiver) connector A (20P) and navigation unit connector A (20P).
9. Check for continuity between body ground and AcuraLink control unit (XM receiver) connector A (20P) terminals No. 7 and No. 17 individually.

**ACURALINK CONTROL UNIT (XM RECEIVER)
CONNECTOR A (20P)**

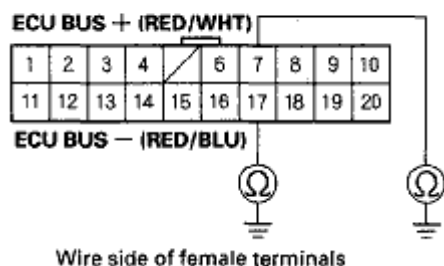


Fig. 83: Checking Continuity Between Body Ground And AcuraLink Control Unit Connector (20P) Terminals 7 And 17

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Short to body ground in the wire(s) between AcuraLink control unit (XM receiver), audio unit, display panel control unit and navigation unit. Replace the affected shielded harness.

NO -Go to step 10.

10. Check for continuity between AcuraLink control unit (XM receiver) connector A (20P) according to the table.

CONTINUITY SPECIFICATION

From terminal	To terminals
A7	A17, A18
A17	A18

**ACURALINK CONTROL UNIT (XM RECEIVER)
CONNECTOR A (20P)**

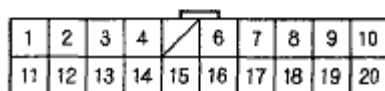


Fig. 84: Checking Continuity Between AcuraLink Control Unit Connector (20P)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Short in the wire(s) between AcuraLink control unit (XM receiver), audio unit, display panel control unit and navigation unit. Replace the affected shielded harness.

NO -Go to step 11.

11. Check for continuity between AcuraLink control unit (XM receiver) connector A (20P) and audio unit connector B (14P) according to the table.

CONTINUITY SPECIFICATION

AcuraLink control unit (XM receiver) connector	Audio unit connector
A7	B9
A17	B10
A18	B3

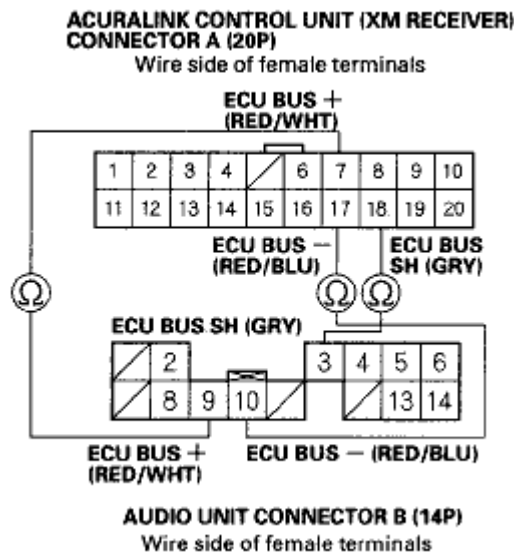


Fig. 85: Checking Continuity Between AcuraLink Control Unit Connector (20P) And Audio Unit Connector (14P)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Substitute a known-good AcuraLink control unit (XM receiver), then reconnect all of the connectors and recheck. If the symptom/indication goes away, replace the original AcuraLink control unit (XM receiver). If the symptom/indication is still present, replace the audio unit.

NO -Open in the wire(s) between AcuraLink control unit (XM receiver) and audio unit. Replace the affected shielded harness.

XM RADIO PRESET MEMORY IS LOST

NOTE:

- Check the vehicle battery condition first.
- Check the connectors for poor connections or loose terminals.
- If you can only tune to channel 000, 001, 174, and 247, make sure that

the audio unit is set to channel mode (see owner's manual). If it is set to the channel mode, call XM radio customer support and check the account activation status.

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and make sure the XM radio is operating normally, then set each of the XM radio channel preset buttons.

Does each of the XM radio channel preset buttons set properly?

YES -Go to step 3.

NO -Substitute a known-good XM receiver or AcuraLink control unit (XM receiver) and recheck. If the symptom/indication goes away, replace the original XM receiver or AcuraLink control unit (XM receiver). If the symptom/indication is still present, replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

3. Turn the ignition switch to LOCK (0) for 1 minute, then turn it back to ON (II).
4. Test all of the XM radio channel preset buttons for proper recall operation.

Do the preset buttons recall the set radio stations?

YES -System is normal at this time. Check connections at the audio unit.

NO -Substitute a known-good XM receiver or AcuraLink control unit (XM receiver) and recheck. If the symptom/indication goes away, replace the original XM receiver or AcuraLink control unit (XM receiver). If the symptom/indication is still present, replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

BOOMING SOUND WHILE DRIVING WITH AUDIO UNIT ON OR OFF

NOTE:

- **Check the vehicle battery condition first.**
- **Check the connectors for poor connections or loose terminals.**

1. Turn the ignition switch to ON (II).
2. Operate the audio unit, and check the function of the speakers.

Is a booming sound or a low-frequency hum heard from speakers?

YES -Go to step 3.

NO -Go to no sound is heard from speakers (see **NO SOUND IS HEARD FROM SPEAKER(S) (DISPLAY IS NORMAL)**).

3. Open the driver's door.

Is the booming sound or a low-frequency hum still present?

YES -Perform the electrical noise test (see **ELECTRICAL NOISE TEST**).

NO -Go to step 4.

4. Turn the audio power switch to LOCK (0).
5. Do the self-diagnostic function (see **SELF-DIAGNOSTIC FUNCTION**).
6. Press the "No. 1" button.

Can you hear the low-frequency hum sound?

YES -Go to step 7.

NO -Go to step 27.

7. Check that the low-frequency hum sound continues sounding for about 1 minute.

Does the low-frequency hum sound continue sounding for about 1 minute?

YES -Go to step 50.

NO -Go to step 8.

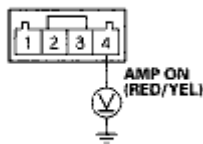
8. Check the No. 32 (7.5 A) fuse in the under-dash fuse/relay box.

Is the fuse OK?

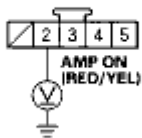
YES -Go to step 9.

NO -Replace the fuse, and recheck.

9. Turn the ignition switch to LOCK (0).
10. Disconnect active noise control front microphone 4P connector and active noise control rear microphone 5P connector.
11. Turn the ignition switch ON (II) and audio unit turns ON.
12. Measure the voltage between active noise control front microphone 4P connector terminal No. 4 and rear microphone 5P connector terminal No. 2 and body ground.

**ACTIVE NOISE CONTROL FRONT
MICROPHONE 4P CONNECTOR**

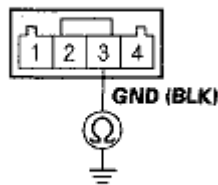
Terminal side of male terminals

**ACTIVE NOISE CONTROL REAR
MICROPHONE 5P CONNECTOR**

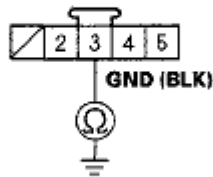
Wire side of female terminals

Fig. 86: Measuring Voltage Between 4P Connector Terminal 4 And 5P Connector Terminal 2 And Body Ground**Courtesy of AMERICAN HONDA MOTOR CO., INC.***Is there battery voltage?***YES** -Go to step 13.**NO** -Repair open in the wire between audio unit connector C (40P) terminal No. 15 and active noise control front or rear microphone connector.

13. Check for continuity between active noise control front microphone 4P connector terminal No. 3 and rear microphone 5P connector terminal No. 3 and body ground.

**ACTIVE NOISE CONTROL FRONT
MICROPHONE 4P CONNECTOR**

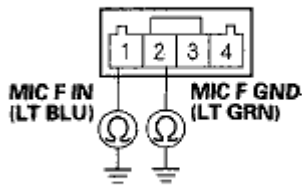
Terminal side of male terminals

**ACTIVE NOISE CONTROL REAR
MICROPHONE 5P CONNECTOR**

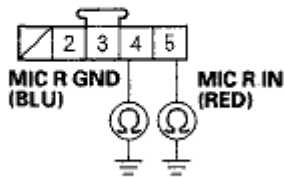
Wire side of female terminals

Fig. 87: Checking Continuity Between 4P Connector Terminal 3 And 5P Connector Terminal 3 And Body Ground**Courtesy of AMERICAN HONDA MOTOR CO., INC.***Is there continuity?***YES** -Go to step 14.**NO** -Repair open in the wire between active noise control front or rear microphone connector and body ground (G501).

14. Turn the ignition switch to LOCK (0).
15. Check for continuity between body ground and active noise control front microphone 4P connector terminal No. 1 and No. 2 and rear microphone 5P connector No. 4 and No. 5 terminals individually.

**ACTIVE NOISE CONTROL FRONT
MICROPHONE 4P CONNECTOR**

Terminal side of male terminals

**ACTIVE NOISE CONTROL REAR
MICROPHONE 5P CONNECTOR**

Wire side of female terminals

Fig. 88: Checking Continuity Between Body Ground And 4P Connector Terminal 1 And 2 And 5P Connector 4 And 5 Terminals

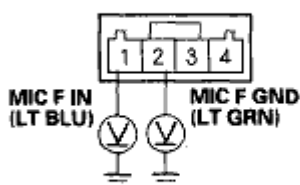
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

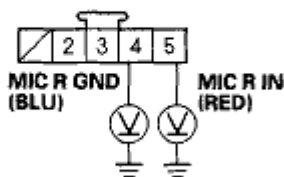
YES -Repair short in the wire between body ground and active noise control front or rear microphone.

NO -Go to step 16.

16. Reconnect the active noise control front and rear microphone connectors.
17. Turn the ignition switch to ON (II).
18. Measure the voltage between the body ground and active noise control front microphone 4P connector terminals No. 1 and No. 2 and rear microphone 5P connector terminal No. 4 and No. 5 individually while lightly tapping the microphones.

**ACTIVE NOISE CONTROL FRONT
MICROPHONE 4P CONNECTOR**

Terminal side of male terminals

**ACTIVE NOISE CONTROL REAR
MICROPHONE 5P CONNECTOR**

Wire side of female terminals

Fig. 89: Measuring Voltage Between Connector Terminal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Does the voltage change a lot?

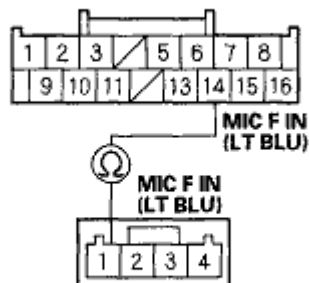
YES -Go to step 19.

NO -Replace the active noise control front or rear microphone.

19. Turn the ignition switch to LOCK (0).
20. Disconnect active noise control unit 16P connector.
21. Disconnect active noise control front microphone 4P connector.
22. Check for continuity between the active noise control unit 16P connector No. 14 terminal and active noise control front microphone 4P connector terminal No. 1.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR

Wire side of female terminals

**ACTIVE NOISE CONTROL FRONT
MICROPHONE 4P CONNECTOR**

Terminal side of male terminals

Fig. 90: Checking Continuity Between Active Noise Control Unit Terminal 14 And Active Noise Control Front Microphone Terminal 1

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 23.

NO -Repair open in the wire between the active noise control unit 16P connector No. 14 terminal and active noise control front microphone 4P connector No. 1 terminal.

23. Check for continuity between the active noise control unit 16P connector No. 6 terminal and active noise control front microphone 4P connector terminal No. 2.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR
Wire side of female terminals

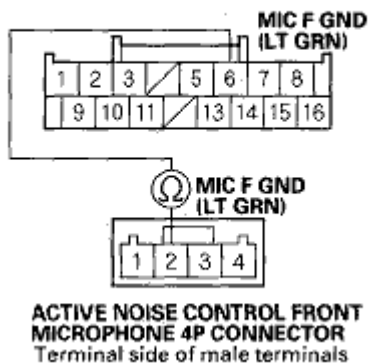


Fig. 91: Checking Continuity Between 16P Connector Terminal 6 And 4P Connector Terminal 2

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

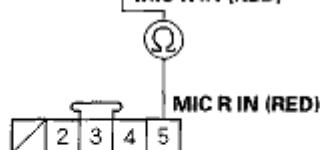
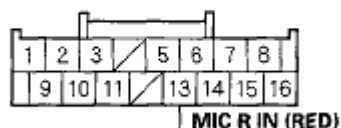
YES -Go to step 24.

NO -Repair open in the wire between the active noise control unit 16P connector No. 6 terminal and active noise control front microphone 4P connector terminal No. 2.

24. Disconnect active noise control rear microphone 5P connector.
25. Check for continuity between the active noise control unit 16P connector No. 13 terminal and active noise control rear microphone 5P connector terminal No. 5.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR

Wire side of female terminals

**ACTIVE NOISE CONTROL REAR MICROPHONE 5P CONNECTOR**

Wire side of female terminals

Fig. 92: Checking Continuity Between Active Noise Control Unit And Active Noise Control Rear Microphone Connector Terminal

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

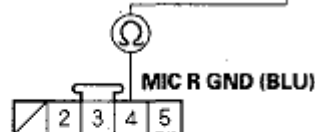
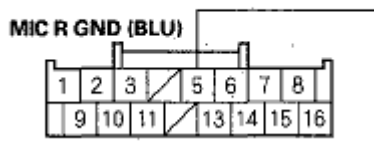
YES -Go to step 26.

NO -Repair open in the wire between the active noise control unit 16P connector No. 13 terminal and active noise control front microphone 5P connector terminal No. 5.

26. Check for continuity between the active noise control unit 16P connector No. 5 terminal and active noise control rear microphone 5P connector terminal No. 4.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR

Wire side of female terminals

**ACTIVE NOISE CONTROL REAR MICROPHONE 5P CONNECTOR**

Wire side of female terminals

Fig. 93: Checking Continuity Between Active Noise Control Unit And Active Noise Control Rear Microphone Connector

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Replace the active noise control unit (see **ACTIVE NOISE CONTROL UNIT REMOVAL/ INSTALLATION**).

NO -Repair open in the wire between the active noise control unit 16P connector No. 5 terminal and active noise control rear microphone 5P connector terminal No. 4.

27. Check for the No. 32 (7.5 A) fuse in the under-dash fuse/relay box.

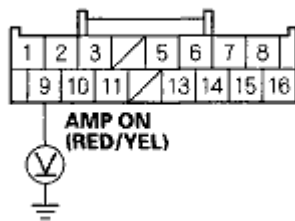
Is the fuse OK?

YES -Go to step 28.

NO -Replace the fuse, and recheck.

28. Disconnect the active noise control unit 16P connector.
 29. Turn the ignition switch to ON (II) and turn the audio unit ON.
 30. Measure the voltage between the active noise control unit 16P connector No. 9 terminal and body ground.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR



Wire side of female terminals

Fig. 94: Measuring Voltage Between Active Noise Control Unit 16P Connector 9 Terminal And Body Ground

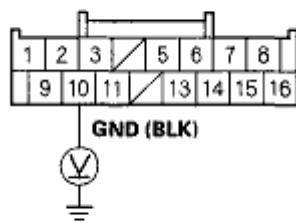
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES -Go to step 31.

NO -Repair open in the wire between audio unit connector C (40P) terminal No. 15 and the active noise control unit 16P connector terminal No. 9.

31. Turn the ignition switch to LOCK (0).
 32. Reconnect the active noise control unit 16P connector.
 33. Measure the voltage between the active noise control unit 16P connector No. 10 terminal and body ground.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR

Wire side of female terminals

Fig. 95: Measuring Voltage Between Active Noise Control Unit 16P Connector 10 Terminal And Body Ground

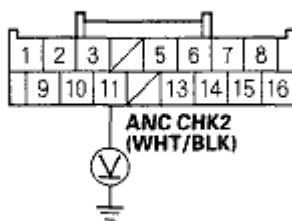
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 0.1 V?

YES -Go to step 34.

NO -Repair open in the wire between the active noise control unit 16P connector No. 10 terminal and body ground (G506).

34. Do the self-diagnostic function (see **SELF-DIAGNOSTIC FUNCTION**).
35. Press the No. 1 button.
36. Measure the voltage between the active noise control unit 16P connector No. 11 terminal and body ground.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR

Wire side of female terminals

Fig. 96: Measuring Voltage Between Active Noise Control Unit 16P Connector 11 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there about 5 V?

YES -Go to step 43.

NO -Go to step 37.

37. Turn the ignition switch to LOCK (0).
38. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector C (40P).

39. Disconnect active noise control unit 16P connector.
40. Check for continuity between the active noise control unit 16P connector No. 11 terminal and audio unit connector C (40P) terminal No. 36.

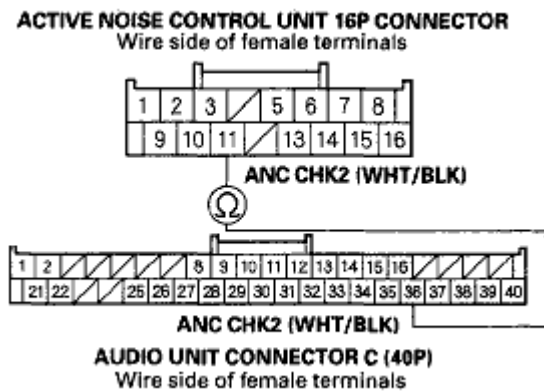


Fig. 97: Checking Continuity Between Active Noise Control Unit And Audio Unit Connector Terminal

Courtesy of AMERICAN HONDA MOTOR CO., INC.

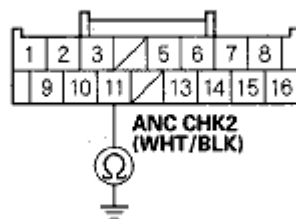
Is there continuity?

YES -Go to step 41.

NO -Repair open in the wire between the active noise control unit 16P connector No. 11 terminal and audio unit connector C (40P) terminal No. 36.

41. Check for continuity between body ground and the active noise control unit 16P connector terminal No. 11.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR



Wire side of female terminals

Fig. 98: Checking Continuity Between Body Ground And Active Noise Control Unit 16P Connector Terminal 11

Courtesy of AMERICAN HONDA MOTOR CO., INC.

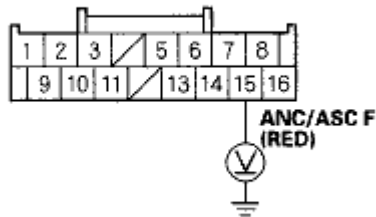
Is there continuity?

YES -Repair short in the wire between the active noise control unit 16P connector No. 11 terminal and audio unit connector C (40P) terminal No. 36.

NO -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

42. Do the self-diagnostic function (see **SELF-DIAGNOSTIC FUNCTION**).
43. Press and release the "No. 1" button.
44. Measure the voltage between the active noise control unit 16P connector No. 15 terminal and body ground.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR



Wire side of female terminals

Fig. 99: Measuring Voltage Between Active Noise Control Unit 16P Connector Terminal 15 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there about 2.5 V?

YES -Replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

NO -Go to step 45.

45. Turn the ignition switch to LOCK (0).
46. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**), and disconnect audio unit connector C (40P).

NOTE: Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.

47. Disconnect active noise control unit 16P connector.
48. Check for continuity between the active noise control unit 16P connector and audio unit connector C (40P) according to the table.

CONTINUITY SPECIFICATION

Active noise control unit connector	Audio unit connector
7	C37
8	C38
15	C40
16	C39

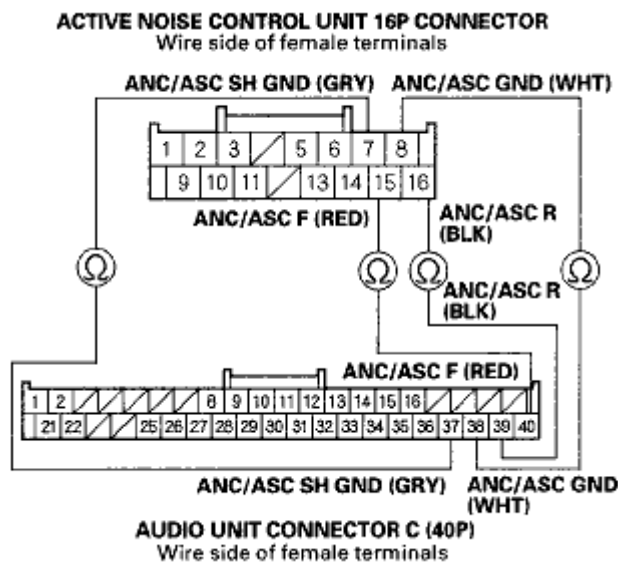


Fig. 100: Checking Continuity Between Active Noise Control Unit 16P Connector And Audio Unit Connector (40P)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 49.

NO -Repair open in the wire(s) between the active noise control unit 16P connector and audio unit connector C (40P).

49. Check for continuity between body ground and active noise control unit 16P connector terminals No. 8, No. 15, and No. 16 individually.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR

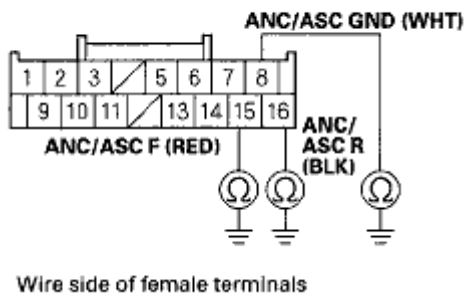


Fig. 101: Checking Continuity Between Body Ground And Active Noise Control Unit 16P Connector Terminals 8, 15 And 16

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short in the wire(s) between the active noise control unit 16P connector and audio unit connector C (40P).

NO -Replace the active noise control unit (see **ACTIVE NOISE CONTROL UNIT REMOVAL/**

INSTALLATION).

50. Start the engine, and let the vehicle idle.
51. Do the self-diagnostic function (see **SELF-DIAGNOSTIC FUNCTION**).
52. Press the "No. 1" button.

Can you hear the low-frequency hum?

YES -Go to step 53.

NO -The system is OK.

53. Turn the ignition switch to LOCK (0).
54. Disconnect active noise control unit 16P connector.
55. Check for continuity between the active noise control unit 16P connector No. 2 terminal and ECM/PCM connector E (31P) terminal No. 23 with the ECM/PCM connector connected.

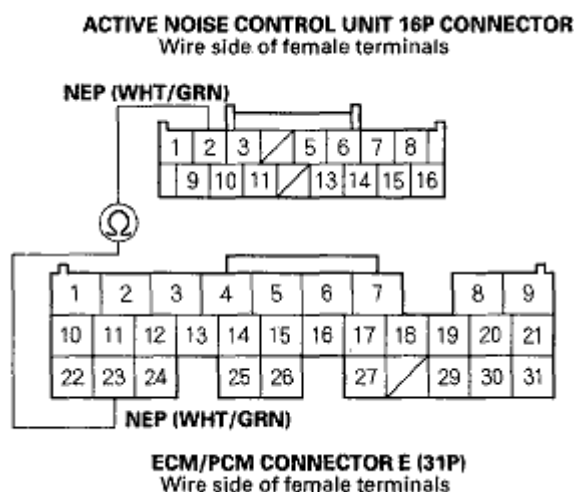


Fig. 102: Checking Continuity Between Active Noise Control Unit Connector And ECM/PCM Connector

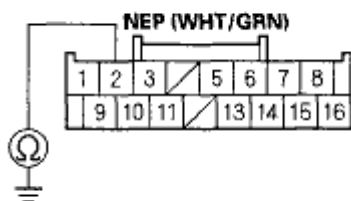
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Go to step 56.

NO -Repair open in the wire between the active noise control unit 16P connector No. 2 terminal and ECM/PCM connector E (31P) terminal No. 23.

56. Check for continuity between the active noise control unit 16P connector No. 2 terminal and body ground.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR

Wire side of female terminals

Fig. 103: Checking Continuity Between Active Noise Control Unit 16P Connector Terminal 2 And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES -Repair short in the wire between body ground and the active noise control unit 16P connector No. 2 terminal and ECM/PCM connector E (31P) terminal No. 23.

NO -Replace the ECM/PCM.

SOUND QUALITY DIAGNOSIS

Special tools required

Diagnostics CD 07AAZ-SDBA100

Use the following tests to check sound quality.

NOTE: Before beginning the following tests, write down the client's bass, treble, fader and balance settings, then set them to their center positions for the testing.

LEFT/RIGHT CHANNEL ID

Do this test to confirm proper channel routing.

1. Insert the audio diagnostic CD (T/N: 07AAZ-SDBA100) into the audio unit.
2. Play track No. 1 (left, both, right channel ID) at a normal, or slightly higher than normal, volume level.
3. The voice should be audible only from the channel or channels when indicated.
 - If the channel ID is correct for each side, go to phase test.
 - If the channel ID is not correct, check for
 - Shorted speaker wire
 - Faulty amplifier
 - Faulty audio unit

Special tools required

Diagnostics CD 07AAZ-SDBA100

Use the following tests to check sound quality.

NOTE: Before beginning the following tests, write down the client's bass, treble, fader and balance settings, then set them to their center positions for the testing.

PHASE TEST

Do this test to confirm proper speaker phasing.

1. Insert the audio diagnostic CD (T/N: 07AAZ-SDBA100) into the audio unit.
2. Play track No. 2 (phase) at a normal, or slightly higher than normal, volume level.
3. The voice should sound centered and focused when it is in-phase.
4. The voice should sound diffused, and have "less base" when it is out of phase.
 - If the voice changes from in-phase to out of phase as indicated by the prompt, the phasing is correct. Go to electrical noise test (see **ELECTRICAL NOISE TEST**).
 - If the voice always sounds out of phase, phasing is not correct. Check for
 - Crossed speaker wire
 - Faulty amplifier
 - Faulty audio unit

Special tools required

Diagnostics CD 07AAZ-SDBA100

ELECTRICAL NOISE TEST

Do this test to check for electrical noise being induced into the audio system.

NOTE: Electrical noise may be caused by outside sources that cannot be handled by the audio system. Make sure you remove any cell phones and/or turn off any aftermarket devices before beginning this test.

1. Insert the audio diagnostic CD (T/N: 07AAZ-SDBA100) into the audio unit.
2. Play track No. 4 (digital zero) at a normal, or slightly higher than normal, volume level.
3. Operate any electrical device that may create electrical noise in the audio system, including starting the engine.
4. Play track No. 5 (near digital zero) at a normal, or slightly higher than normal, volume level.
5. Operate any electrical device that may create electrical noise in the audio system, including starting the engine.
6. Play track No. 6 (SNR) at a normal, or slightly higher than normal, volume level.
7. Operate any electrical device that may create electrical noise in the audio system, including starting the engine.
 - If no abnormal noise is heard, go to the individual speaker test (see **INDIVIDUAL SPEAKER**

TEST).

- If the noise is present only during the SNR track, replace the audio unit.
- If the noise is heard during the digital zero or near digital zero track, check for
 - Poor ground at the audio unit, amplifier, engine, or battery cable
 - Pinched or shorted speaker or amplifier wire
 - Faulty amplifier
 - Faulty audio unit
 - Other faulty components causing excessive electrical noise (ignition coils, alternator, door lock actuators, etc.). Disconnect any suspect components, and then replay the tracks that were originally noisy. If the noise is gone, check the component's circuit and the component.

Special tools required

Diagnostics CD 07AAZ-SDBA100

INDIVIDUAL SPEAKER TEST

Do this test to identify a faulty speaker.

1. Insert the audio diagnostic CD (T/N: 07AAZ-SDBA100) into the audio unit.
2. Play track No. 30 (steady 300 Hz tone) at a normal, or slightly higher than normal, volume level.
3. Listen to each speaker for poor sound compared to the other channels. Use the audio unit's fader and balance settings to help isolate the channel with the problem.
 - If the sound quality produced by a specific speaker is poor, substitute it with a known-good speaker. If the poor sound quality continues, go to the sound balance test (see **SOUND BALANCE TEST**).
 - If the sound quality is OK, go to the sound balance test (see **SOUND BALANCE TEST**).

Special tools required

Diagnostics CD 07AAZ-SDBA100

SOUND BALANCE TEST

Perform this test to identify a faulty channel or speaker.

1. Insert the audio diagnostic CD (T/N: 07AAZ-SDBA100) into the audio unit.
2. Confirm the bass and treble are set to the center positions.
3. Play track No. 3 (pink noise) at a normal, or slightly higher than normal, volume level.
4. A "static" type sound should be heard through all speakers.
5. Insert the audio diagnostic CD (T/N: 07AAZ-SDBA100) into the audio unit of a known-good vehicle.
6. Set the bass and treble to the center positions.
7. Play track No. 3 (pink noise) all the same level as was played in step 3.
8. Compare the sounds made by the two vehicles.
 - If the sound does not have as much bass, check the subwoofer and circuit.

- If the sound does not have enough "hiss," check the tweeters and their circuits.

Special Tools Required

Diagnostics CD 07AAZ-SDBA100

FREQUENCY SWEEP

Do this test to find rattles or reverberations that may cause a perception of poor sound quality.

1. Insert the audio diagnostic CD (T/N: 07AAZ-SDBA100) into the audio unit.
2. Play track No. 13 (sweep from 500 Hz to 35 Hz) at a normal, or slightly higher than normal, volume level.
3. Listen to each speaker for poor sound quality or reverberations caused by specific frequencies. Use the voice-over to estimate the frequency that causes the vibration. Use the audio unit's fader and balance settings to help isolate the channel with the problem.
 - If vibrations or poor sound quality are heard, go to step 4.
 - If no vibrations or poor sound quality are heard, go to sound judging (see **SOUND JUDGING**).
4. Choose the appropriate track from No. 14 to 25 (small range frequency sweep) or 26 to 53 (single frequencies) to recreate the frequency that caused the poor sound quality or vibration witnessed in step 3; this aids in diagnosis of the cause.

NOTE: **When you get to the track that recreates the problem, select the repeat function on the audio unit, this will help you isolate the cause.**

5. Replace or insulate the source of the vibration or, if the speaker is the source of the poor sound quality, replace it.

Special tools required

Diagnostics CD 07AAZ-SDBA100

SOUND JUDGING

Do this test to compare overall sound quality, imaging, and dynamics between the client's vehicle and a known-good vehicle. Only use a vehicle of the same model and trim level for this test.

1. In the client's vehicle, set the bass, treble, fader, and balance settings to the client's normal settings that were written down before beginning the test.
2. Insert the audio diagnostic CD (T/N: 07AAZ-SDBA100) into the audio unit.
3. Play tracks No. 7 to 12 (sound quality, midland, dynamics, and imaging demonstration tracks) at a normal, or slightly higher than normal, volume level. Write down the volume setting being used.
4. Listen to areas of the track that stand out as being either very clear or poorer than other areas of the track.
5. In a known-good vehicle, insert the audio diagnostic CD (T/N: 07AAZ-SDBA100) into the audio unit.
6. Play the tracks at the same volume level and the same bass, treble, balance, and fader settings as used

in step 3 in the client's vehicle.

7. Listen to the same area of the track that stood out as being either very clear or poorer than other areas of the track.
8. Compare the client's vehicle's sound quality results to the known-good vehicle's results.
 - If the sound quality in the client's vehicle is comparable to the sound quality in the known-good vehicle, then the client's vehicle is operating as designed.
 - If the sound quality is not comparable, check these items in order.
 - Loose or improperly installed speakers or other hardware that may create interference from the vibrations generated by the speakers
 - Poor power or ground to the stereo amplifier
 - Damaged speaker(s)
 - Faulty amplifier
 - Faulty audio unit

SEEK STOP TEST

Do this test to check the performance of the audio unit's AM and FM reception. Refer to symptom troubleshooting: audio sound weak or distorted, or no sound is heard from speaker(s) (display is normal) (see **NO SOUND IS HEARD FROM SPEAKER(S) (DISPLAY IS NORMAL)**) before continuing with this test.

NOTE:

- **Window tint, aftermarket theft-recovery devices and other aftermarket devices may affect reception.**
- **Changes in cloud cover and other atmospheric conditions will affect the ability of the audio unit to receive radio signals.**

1. Park the client's vehicle in an open area away from buildings or other obstructions.
2. Park a known-good vehicle (same year, model, and trim level) next to the client's vehicle, facing the same direction.
3. Start the engine in the client's vehicle, and turn on the radio.
4. Set the FM receiver to 87.7 MHz.
5. Press the "Seek +" button, and record the first station that the audio unit locks onto.
6. Press the "Seek +" button repeatedly, and write down each station that the audio unit locks onto until the station recorded in step 5 is reached again.
7. Set the AM receiver to 530 kHz.
8. Press the "Seek +" button, and record the first station that the audio unit locks onto.
9. Press the "Seek +" button repeatedly, and write down each station that the audio unit locks onto until the station recorded in step 8 is reached again.
10. Turn the ignition switch to LOCK (0).
11. Start the engine in the known-good vehicle, and then perform step 4 thru 10 on the known-good vehicle.
12. Compare the number of stations received in steps 6 and 9 in the client's vehicle with the number of stations received in the known-good vehicle.
 - If the number of stations received is the same, or within 10 %, the audio unit's tuner

performance is OK. The problem may be atmospheric conditions, multi-path interference, or other obstructions to the radio signal.

- If the client's vehicle receives fewer stations by at least 10 %, go to step 2 of poor AM or FM radio reception or interference (see **POOR AM OR FM RADIO RECEPTION OR INTERFERENCE**).

AUDIO UNIT REMOVAL/INSTALLATION

NOTE:

- Eject all the discs before removing the audio unit to prevent damaging the CD/DVD player's load mechanism.
- If you are replacing the audio unit, write down the audio presets (if possible), and enter them into the new audio unit.

1. Make sure you have the anti-theft codes for the audio system and the navigation system (if equipped).
2. Remove the audio-HVAC display module assembly (see **AUDIO-HVAC DISPLAY MODULE ASSEMBLY REMOVAL/INSTALLATION**).
3. Remove the screws and bolts, then separate the audio unit (A) and display panel control unit (B).

NOTE: To avoid damage, remove the screws (C) first, then remove the bolts (D).

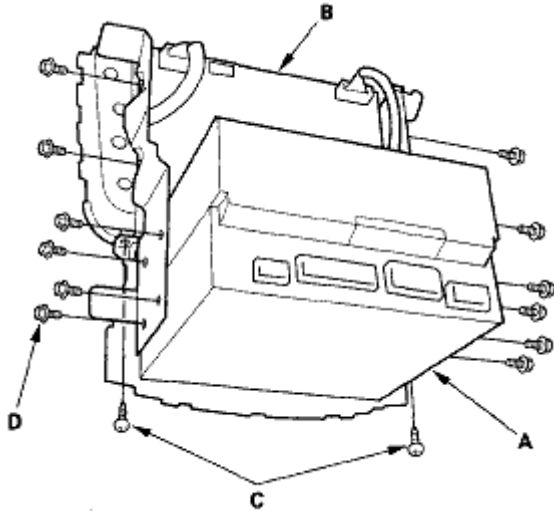


Fig. 104: Identifying Screws And Bolts

Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Install the audio unit to the display panel control unit in the reverse order of removal.
5. Enter the anti-theft codes for the audio system and the navigation system (if equipped). Set the clock (on vehicles without navigation).

AUDIO-HVAC SUBDISPLAY UNIT REMOVAL/INSTALLATION

WITH NAVIGATION

1. Remove the dashboard center vent (see **DRIVER'S DASHBOARD UNDERCOVER REMOVAL/INSTALLATION**).
2. Disconnect the 10P connector (A) from the audio-HVAC subdisplay unit (B).

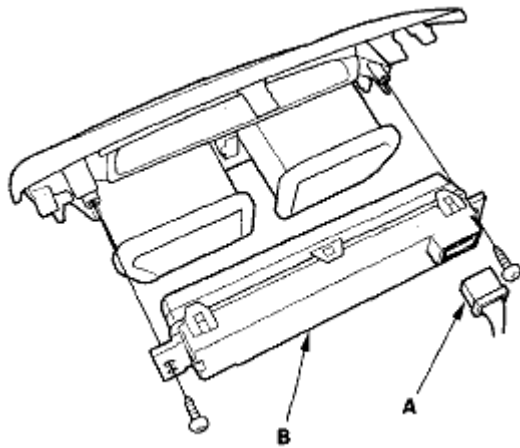


Fig. 105: Identifying 10P Connector And Audio-HVAC Subdisplay Unit
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the two screw and audio-HVAC subdisplay unit.
4. Install the audio-HVAC subdisplay unit in the reverse order of removal.

STEREO AMPLIFIER REMOVAL/ INSTALLATION

1. Remove the right kick panel (see **TRIM REMOVAL/INSTALLATION - DOOR AREAS**).
2. Remove the stereo amplifier connectors (A) from the stereo amplifier (B).

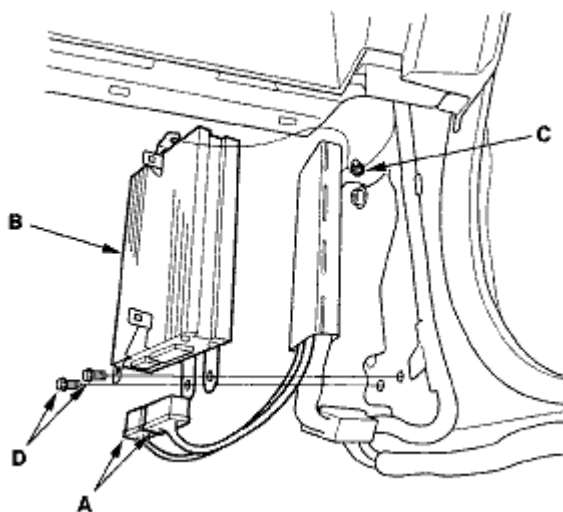


Fig. 106: Identifying Stereo Amplifier Connectors And Stereo Amplifier
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Loosen the mounting nut (C), and remove the two mounting bolts (D), then remove the stereo amplifier.

4. Install the stereo amplifier in the reverse order of removal.

XM RECEIVER REMOVAL/INSTALLATION

CANADA MODELS, USA MODELS WITHOUT NAVIGATION

1. Open the trunk lid and remove the right trunk side trim panel (see **TRIM REMOVAL/INSTALLATION - TRUNK AREA**).
2. Disconnect the connectors (A) from the XM receiver (B).

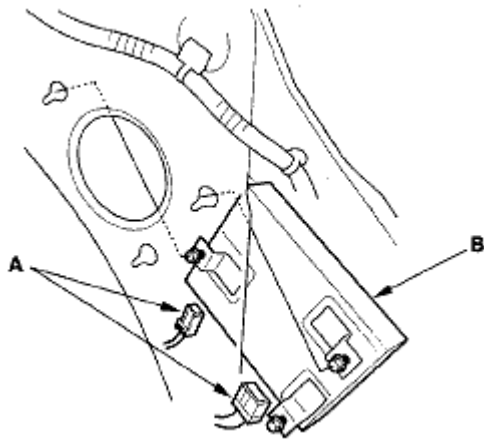


Fig. 107: Identifying Connectors And XM Receiver
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Loosen the mounting bolts, and remove the XM receiver.
4. Install the XM receiver in the reverse order of removal.

ACURALINK CONTROL UNIT (XM RECEIVER) REMOVAL/INSTALLATION

USA MODELS WITH NAVIGATION

1. Open the trunk lid and remove the right trunk side trim panel (see **TRIM REMOVAL/INSTALLATION - TRUNK AREA**).
2. Disconnect the connectors (A) from the AcuraLink control unit (XM receiver) (B).

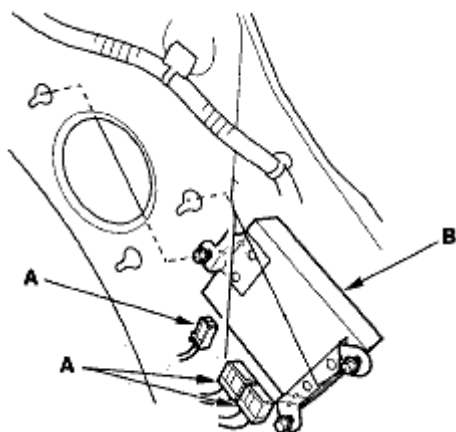


Fig. 108: Identifying AcuraLink Control Unit (XM Receiver)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Loosen the mounting bolts, and remove the AcuraLink control unit (XM receiver).
4. Install the AcuraLink control unit (XM receiver) in the reverse order of removal.

ACTIVE NOISE CONTROL UNIT REMOVAL/ INSTALLATION

TYPE-S MODEL

1. Remove the front center speaker (see **FRONT CENTER SPEAKER**).
2. Loosen the nuts, and pull out the active noise control unit (A).

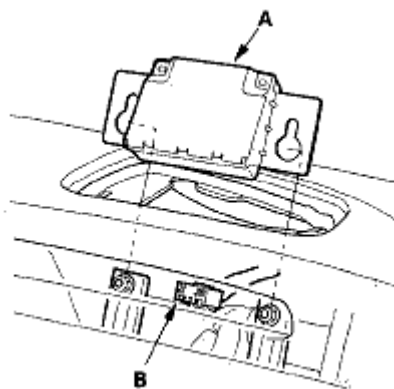


Fig. 109: Identifying Active Noise Control Unit And 16P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the 16P connector (B) and remove the active noise control unit.
4. Install the active noise control unit in the reverse order of removal.

ACTIVE NOISE CONTROL MICROPHONE REMOVAL/INSTALLATION

TYPE-S MODEL FRONT

1. Remove the roof console (see step 2 on **HEADLINER REMOVAL/INSTALLATION**) and

disconnect the connector (A).

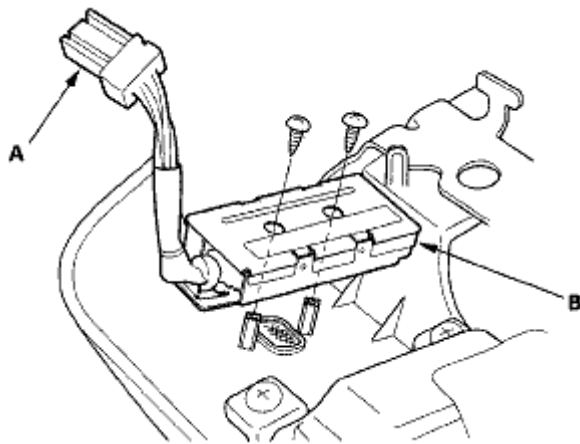


Fig. 110: Identifying Active Noise Control Front Microphone
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Remove the screws using a TORX T25 bit, then remove the active noise control front microphone (B).
3. Install the microphone in the reverse order of removal.

TYPE-S MODEL REAR

1. Remove the headliner (see **HEADLINER REMOVAL/INSTALLATION**).
2. Disconnect the connector (A), then remove the screws and the active noise control rear microphone (B) and cap (C).

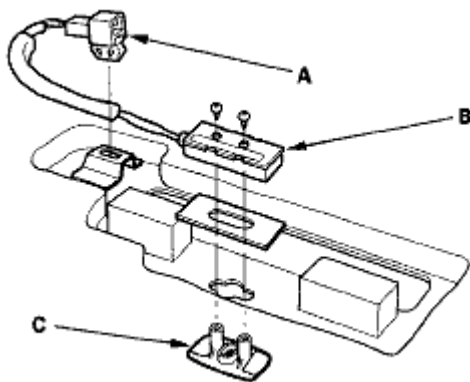


Fig. 111: Identifying Active Noise Control Rear Microphone And Cap
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Install the microphone in the reverse order of removal.

SPEAKER TEST/REPLACEMENT

TWEETER

1. Carefully pry the tweeter grille (A) out from the dashboard. Be careful not to damage the tweeter

grille and the dashboard.

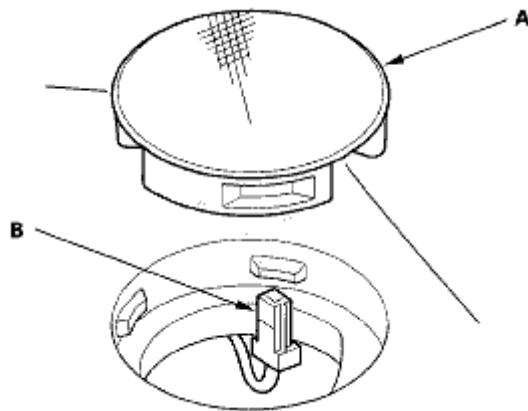


Fig. 112: Identifying Tweeter Grille And 2P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Disconnect the 2P connector (B) from the tweeter.
3. Remove the tweeter (A) from the tweeter grille.

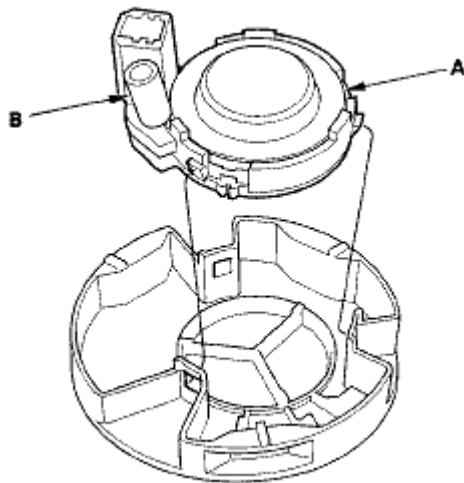


Fig. 113: Identifying 2P Connector From Tweeter
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Check the capacitor (B) condition. If any malfunction is found, replace the tweeter.
5. Measure the resistance between the tweeter (A) terminal No. 2 and the outside terminal of the capacitor* There should be about 4 0,.

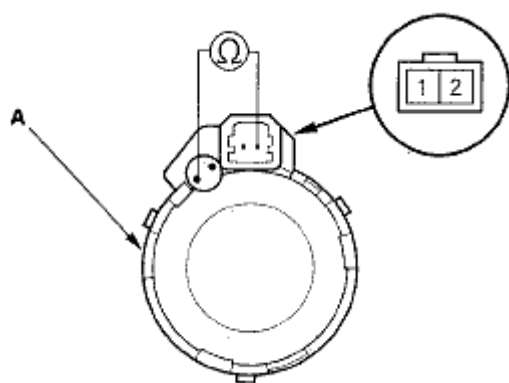


Fig. 114: Measuring Resistance Between Tweeter Terminal
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. If the resistance is not as specified, replace the tweeter.

FRONT CENTER SPEAKER

1. Carefully pry the front center speaker grille (A) out from the dashboard. Be careful not to damage the speaker grille and the dashboard.

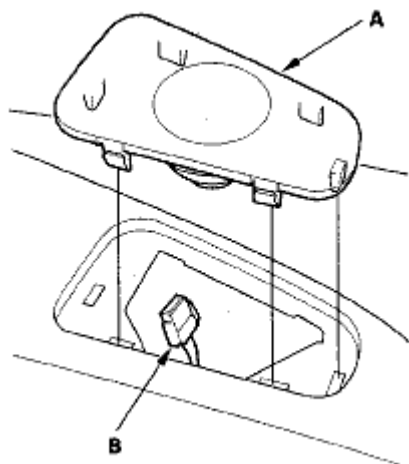


Fig. 115: Identifying Front Center Speaker Grille And 2P Connector
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Disconnect the 2P connector (B) from the front center speaker.
3. Remove the front center speaker from the speaker grille.

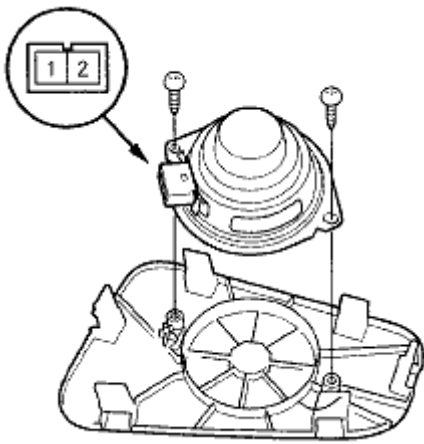


Fig. 116: Identifying Front Center Speaker From Speaker Grille
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Measure the resistance between the No. 1 and No. 2 terminals. There should be about 4 ohms.
5. If the resistance is not as specified, replace the front center speaker.

FRONT DOOR SPEAKER

1. Remove the door panel (see **FRONT DOOR PANEL REMOVAL/INSTALLATION**).
2. Remove the three mounting screws from the front door speaker (A).

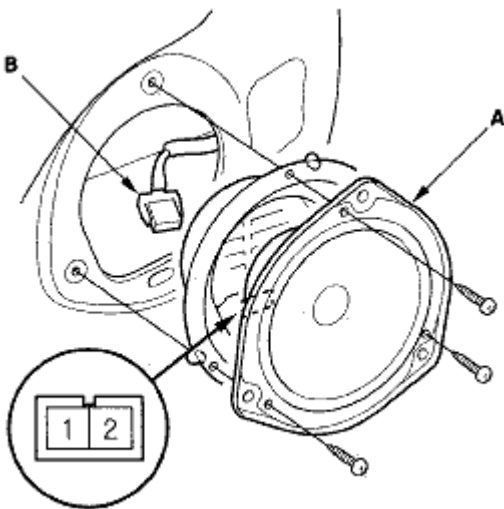


Fig. 117: Identifying Mounting Screws From Front Door Speaker
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the 2P connector (B), and remove the front door speaker.
4. Measure the resistance between the No. 1 and No. 2 terminals. There should be about 2 ohms.
5. If the resistance is not as specified, replace the door speaker.

REAR SPEAKER

1. Remove the rear shelf (see **TRIM REMOVAL/INSTALLATION - REAR SHELF AREA**).

2. Remove the three mounting screws from the rear speaker (A).

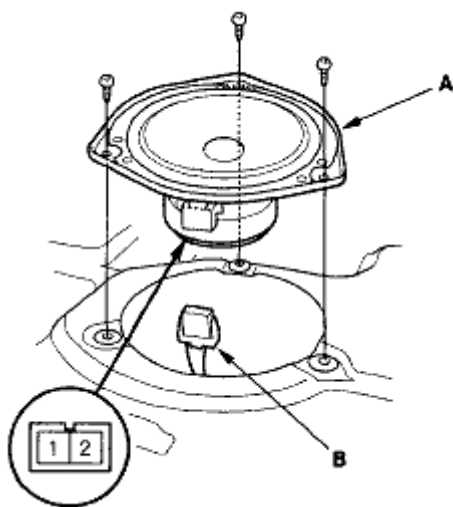


Fig. 118: Identifying Mounting Screws From Rear Speaker
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the 2P connector (B), and remove the rear speaker.
4. Measure the resistance between the No. 1 and No. 2 terminals. There should be about 2 ohms.
5. If the resistance is not as specified, replace the rear speaker.

NOTE: Align the speaker on the locating tabs (A) of the mounting grommet.

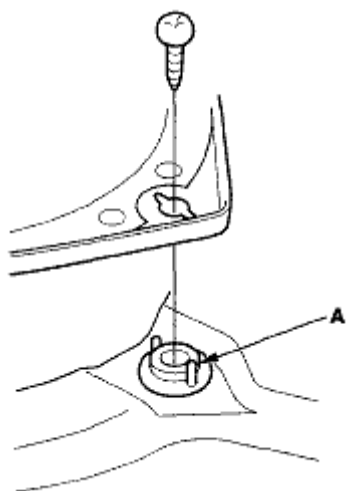


Fig. 119: Aligning Speaker On Locating Tabs
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

SUBWOOFER

1. Remove the rear shelf (see **TRIM REMOVAL/INSTALLATION - REAR SHELF AREA**).
2. Remove the four mounting bolts from the subwoofer (A).

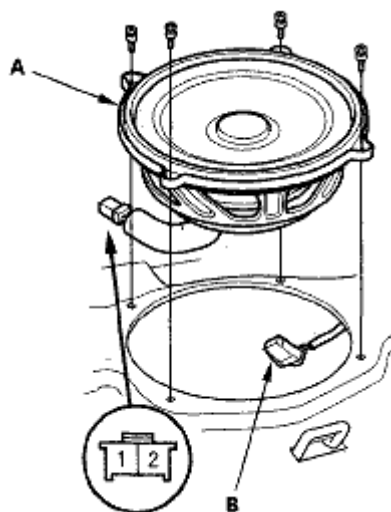


Fig. 120: Identifying Four Mounting Bolts From Subwoofer
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the 2P connector (B), and remove the subwoofer.
4. Measure the resistance between the No. 1 and No. 2 terminals. There should be about 2 ohms.
5. If the resistance is not as specified, replace the subwoofer.

AUDIO REMOTE SWITCH TEST

1. Remove the driver's airbag assembly (see **DRIVER'S AIRBAG REPLACEMENT**).
2. Remove the 20P connector from the cable reel.

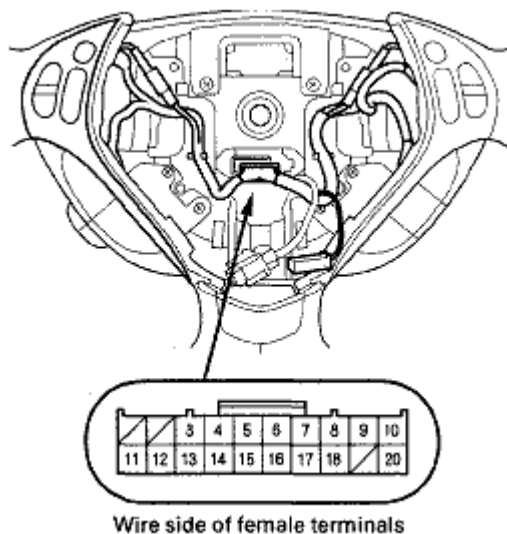


Fig. 121: Identifying 20P Connector Terminal
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Measure the resistance between the No. 17 and No. 18 terminals in each switch position according to the table.

RESISTANCE SPECIFICATIONS

Position	Resistance
OFF	About 10 kohms
MODE	About 3.7 kohms
CH (+)	About 1.7 kohms
CH (-)	About 775 ohms
VOL. UP	About 357 ohms
VOL. DOWN	About 100 ohms

- If the resistance is not as specified, replace the audio remote switch (see **STEERING WHEEL DISASSEMBLY/REASSEMBLY**).

AM/FM ANTENNA AMPLIFIER-REAR WINDOW DEFOGGER COIL REPLACEMENT

- Remove the left C-pillar trim (see **C-PILLAR TRIM**).
- Disconnect the 1P connector (A), 1P connector (B), and AM/FM antenna lead (C) from the AM/FM antenna amplifier-rear window defogger coil (D) and the three window connectors (E).

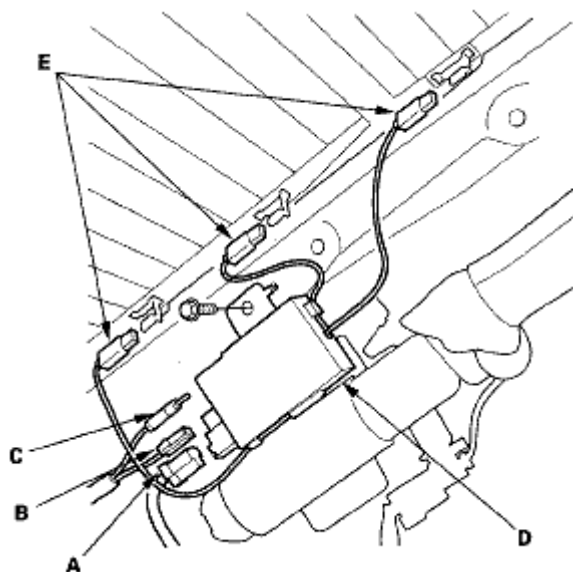


Fig. 122: Identifying Window Connectors
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

- Disconnect all connectors, then remove the bolt and AM/FM antenna amplifier-rear window defogger coil.
- Install the AM/FM antenna amplifier-rear window defogger coil in the reverse order of removal.

XM ANTENNA REPLACEMENT

- Remove the headliner (see **HEADLINER REMOVAL/INSTALLATION**).
- Remove the nut (A) from the XM antenna (B).

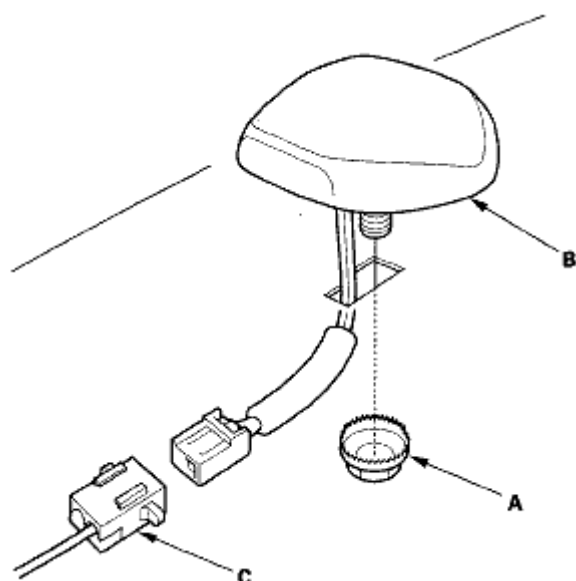


Fig. 123: Identifying XM Antenna

Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the connector (C) and remove the XM antenna.
4. Install the XM antenna in the reverse order of removal.

AM/FM ANTENNA REPAIR

NOTE: To make an effective repair, the broken section must be no longer than one inch.

1. Lightly rub the area around the broken section (A) with fine steel wool, then clean it with isopropyl alcohol.

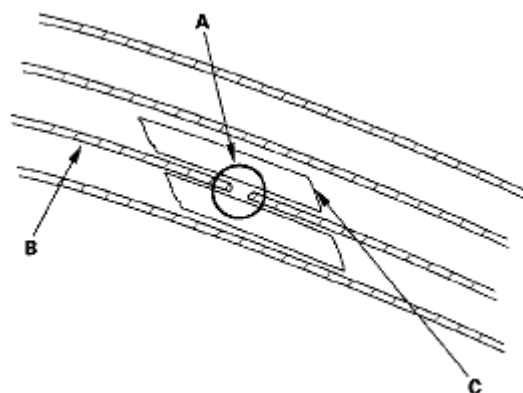


Fig. 124: Identifying Broken Section Area

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Carefully mask above and below the broken portion of the window antenna wire (B) with cellophane tape (C).
3. Mix the silver conductive paint thoroughly. Using a small brush, apply a heavy coat of paint (A) extending about 1/8" on both sides of the break. Allow 30 minutes to dry.

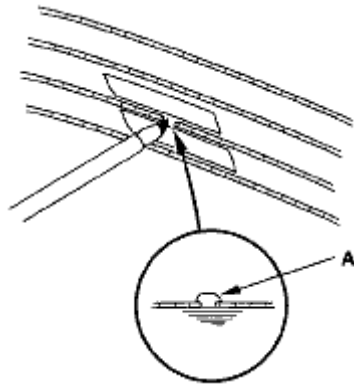


Fig. 125: Applying Heavy Coat Of Paint

Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Check for continuity in the repaired wire.
5. Apply a second coat of paint in the same way. Let it dry 3 hours before removing the tape.

AUXILIARY JACK ASSEMBLY REPLACEMENT

1. Remove the center console rear section (see **CENTER CONSOLE REAR SECTION REMOVAL/INSTALLATION**).
2. Disconnect the 5P connector (A), and pull out the auxiliary jack assembly (B) from the center console box.

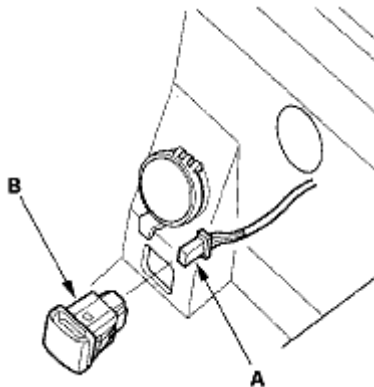


Fig. 126: Identifying 5P Connector And Auxiliary Jack Assembly

Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Install the auxiliary jack assembly in the reverse order of removal.