

2005-08 ACCESSORIES AND EQUIPMENT

Audio System - RL

COMPONENT LOCATION INDEX

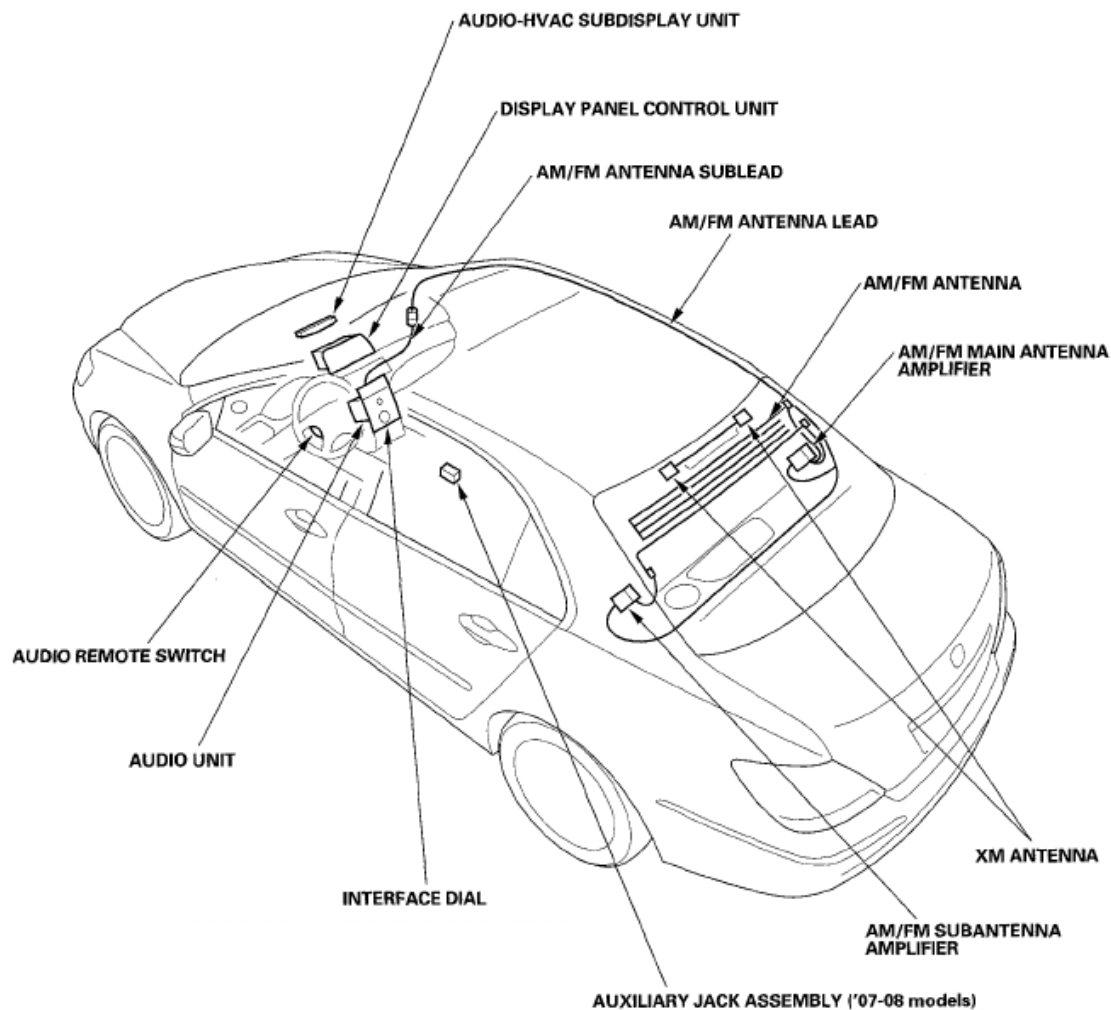


Fig. 1: Identifying Audio System Component Location (1 Of 2)
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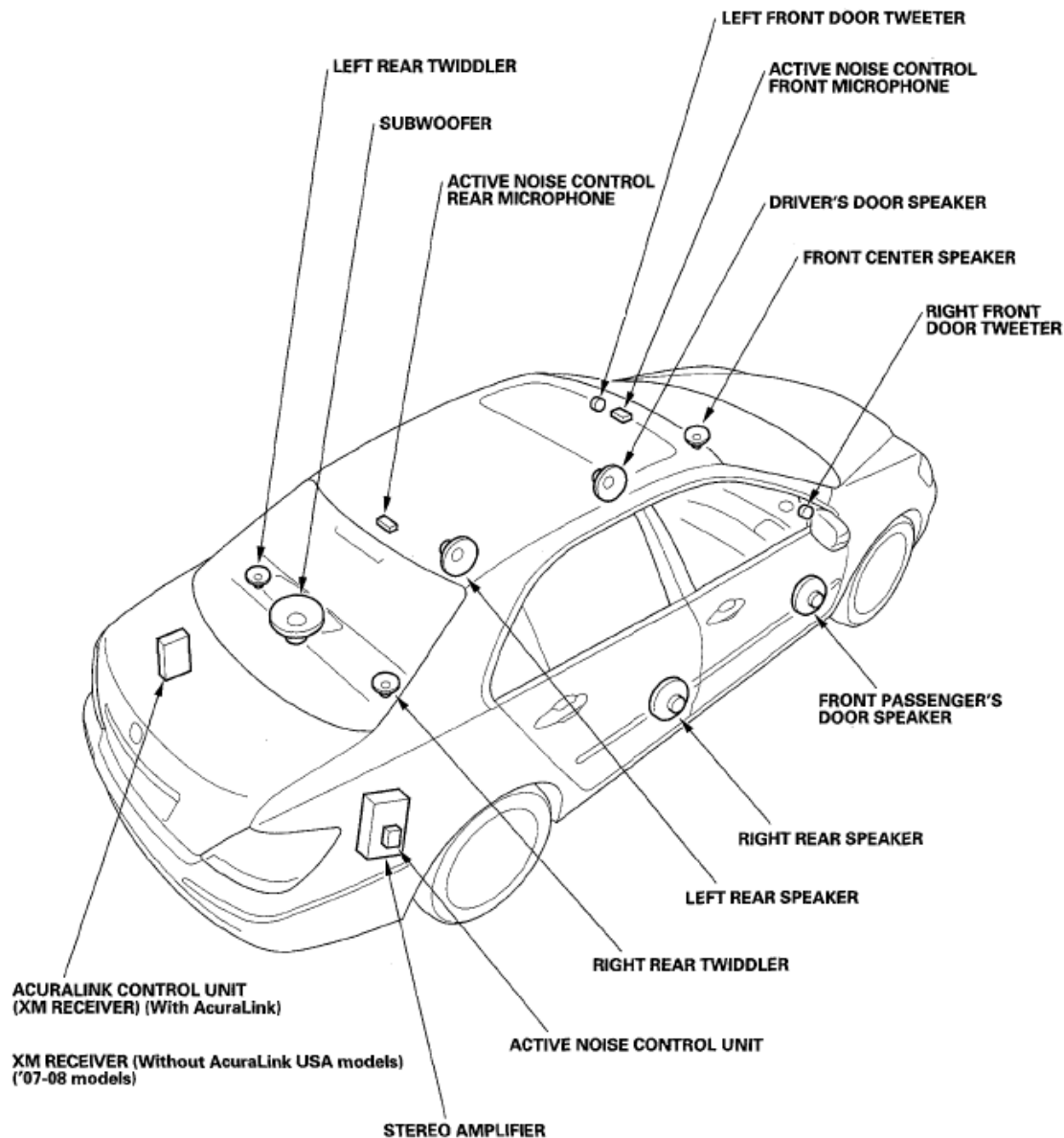


Fig. 2: Identifying Audio System Component Location (2 Of 2)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

SYMPTOM TROUBLESHOOTING INDEX

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Symptom	Diagnostic procedure	Also check for
Poor AM or FM radio reception or interference	Symptom Troubleshooting (see POOR AM OR FM RADIO RECEPTION OR INTERFERENCE)	<ul style="list-style-type: none">• AM/FM antenna lead and/or sublead short or open in the wire• Antenna module unit
Power switch will not turn	Symptom Troubleshooting (see POWER	

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ON (No information display and no sound)	<u>SWITCH WILL NOT TURN ON (NO INFORMATION DISPLAY AND NO SOUND))</u>	
Radio stays powered with the ignition switch OFF	Symptom Troubleshooting (see <u>RADIO STAYS POWERED WITH THE IGNITION SWITCH OFF)</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>)	
Poor or no sound with XM radio (Audio unit does display XM channels)	Symptom Troubleshooting (see <u>POOR OR NO SOUND WITH XM RADIO (AUDIO UNIT DOES DISPLAY XM CHANNELS))</u>)	
XM radio display is blank and no station information is displayed (with AcuraLink)	Symptom Troubleshooting (see <u>XM RADIO DISPLAY IS BLANK AND NO STATION INFORMATION IS DISPLAYED (WITH ACURALINK))</u>)	
XM radio display is blank and no station information is displayed (without AcuraLink)	Symptom Troubleshooting (see <u>XM RADIO DISPLAY IS BLANK AND NO STATION INFORMATION IS DISPLAYED (WITHOUT ACURALINK))</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>)	
XM radio preset memory is lost (with AcuraLink)	Symptom Troubleshooting (see <u>XM RADIO PRESET MEMORY IS LOST (WITH ACURALINK))</u>)	
XM radio preset memory is lost (without AcuraLink)	Symptom Troubleshooting (see <u>XM RADIO PRESET MEMORY IS LOST (WITHOUT ACURALINK))</u>)	
Audio disc does not eject	Symptom Troubleshooting (see <u>AUDIO DISC DOES NOT EJECT)</u>)	
Radio preset memory is lost	Symptom Troubleshooting (see <u>RADIO PRESET MEMORY IS LOST)</u>)	<ul style="list-style-type: none"> • Battery condition • Battery cable condition
Audio unit button illumination does not work	Symptom Troubleshooting (see <u>AUDIO UNIT BUTTON ILLUMINATION DOES NOT WORK)</u>)	
Audio disc changer does not load all six discs	Symptom Troubleshooting (see <u>AUDIO DISC CHANGER DOES NOT LOAD ALL SIX DISCS)</u>)	Tire pressure (over-inflated), disc smudged, dirty, or scratched
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>)	
	Symptom Troubleshooting (see <u>AUDIO DISC</u>	

Audio disc does not load	<u>DOES NOT LOAD)</u>	
Audio disc does not play	Symptom Troubleshooting (see <u>AUDIO DISC DOES NOT PLAY)</u>)	
Audio disc skips	Symptom Troubleshooting (see <u>AUDIO DISC SKIPS)</u>)	Tire pressure (over-inflated)
Audio remote switch does not work properly	Symptom Troubleshooting (see <u>AUDIO REMOTE SWITCH DOES NOT WORK PROPERLY)</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>)	
Booming sound while driving with audio unit on or off	Symptom Troubleshooting (see <u>BOOMING SOUND WHILE DRIVING WITH AUDIO UNIT ON OR OFF)</u>)	

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 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 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 system includes an active noise control system to cancel some of the vehicle noise. It use a sine-wave-shaped 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.

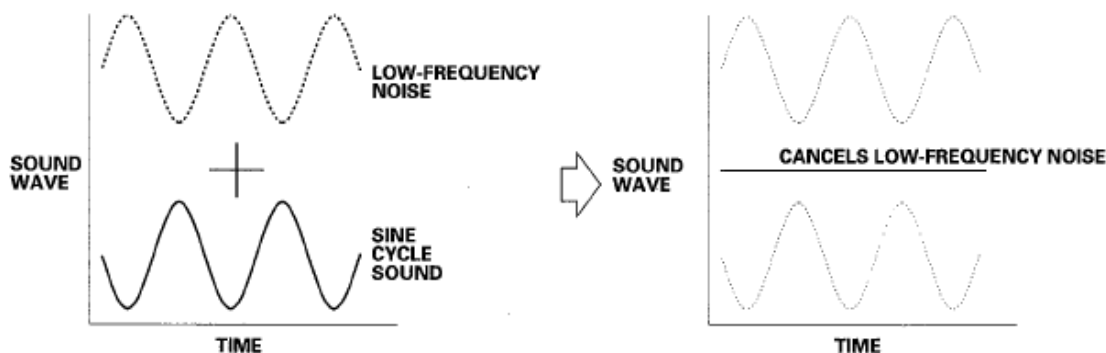


Fig. 3: Identifying Sound Wave

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The 6CD changer output can be directed to the audio unit.

The XM radio plays through the audio unit.

A security signal is daisy-chained between the audio and navigation components for integration into the vehicle's alarm system.

The optional 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 is muted and the front speakers give the navigation instructions. When using OnStar/HFL/AcuraLink, the center speaker, the rear speakers, and the subwoofer are muted and the front speakers give the telephone sound. When using OnStar/HFL/AcuraLink and RG or TALK/BACK, the center speaker, 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** article . The outline of the audio interruption function is shown in the following table.

AUDIO INTERRUPTION FUNCTION

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

System Diagram

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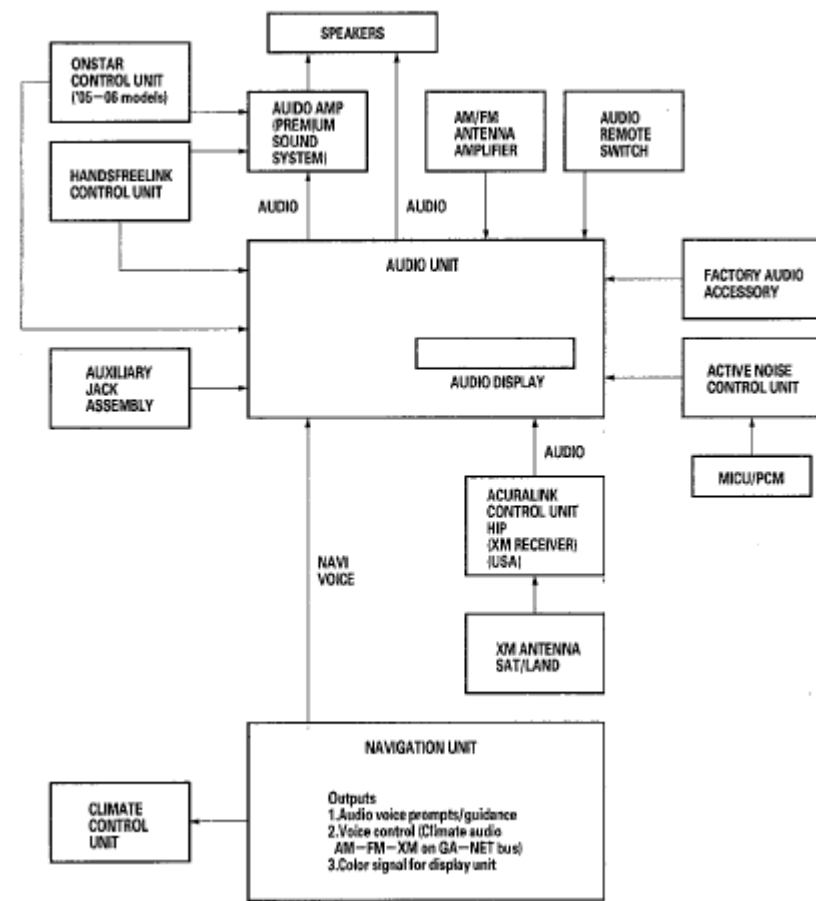


Fig. 4: Audio System - System Diagram
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Fig. 4: Audio System - 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.

ITEM DEFINITION CHART

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 canceling sound from the audio speaker.
AM (Amplitude Modulation)	The type of transmission used in the standard radio broadcast band from 530 to 1710 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 client to use a portable audio device to input music recordings.
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.
	A unit of storage for computer files and memory. A CD holds approximately 700

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Byte	million bytes.
Cassette	Audio or video magnetic tape container having two reels. Clients 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 format type-NTSF format is not accepted by the system. Pick the default sectors for the format method selected.
FM (Frequency Modulation)	The form of 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.
GB (Gigabyte)	A unit of memory or disk storage equal to one billion bytes (1000 million bytes).

Audio Glossary**ITEM DEFINITION CHART**

Item	Definition
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.

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Memory	Circuitry or devices that hold information in electrical or magnetic form, such as the AM/FM radio presets.
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.
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 cards 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 tasks/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.
Audio Remote switch	The switches on the steering wheel that control the audio system.
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.
Stereo	A recording of at least two channels where you can hear sound or music from the left or right side.
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).
Speed-sensitive Volume Compensation (SVC)	The SVC increases the audio volume to compensate for increased interior noise when the vehicle drives at freeway speeds.
Sub-woofer	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 for the high frequency sounds of around 2.5 kHz to 20 kHz.
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

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	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 uplink 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 tables.

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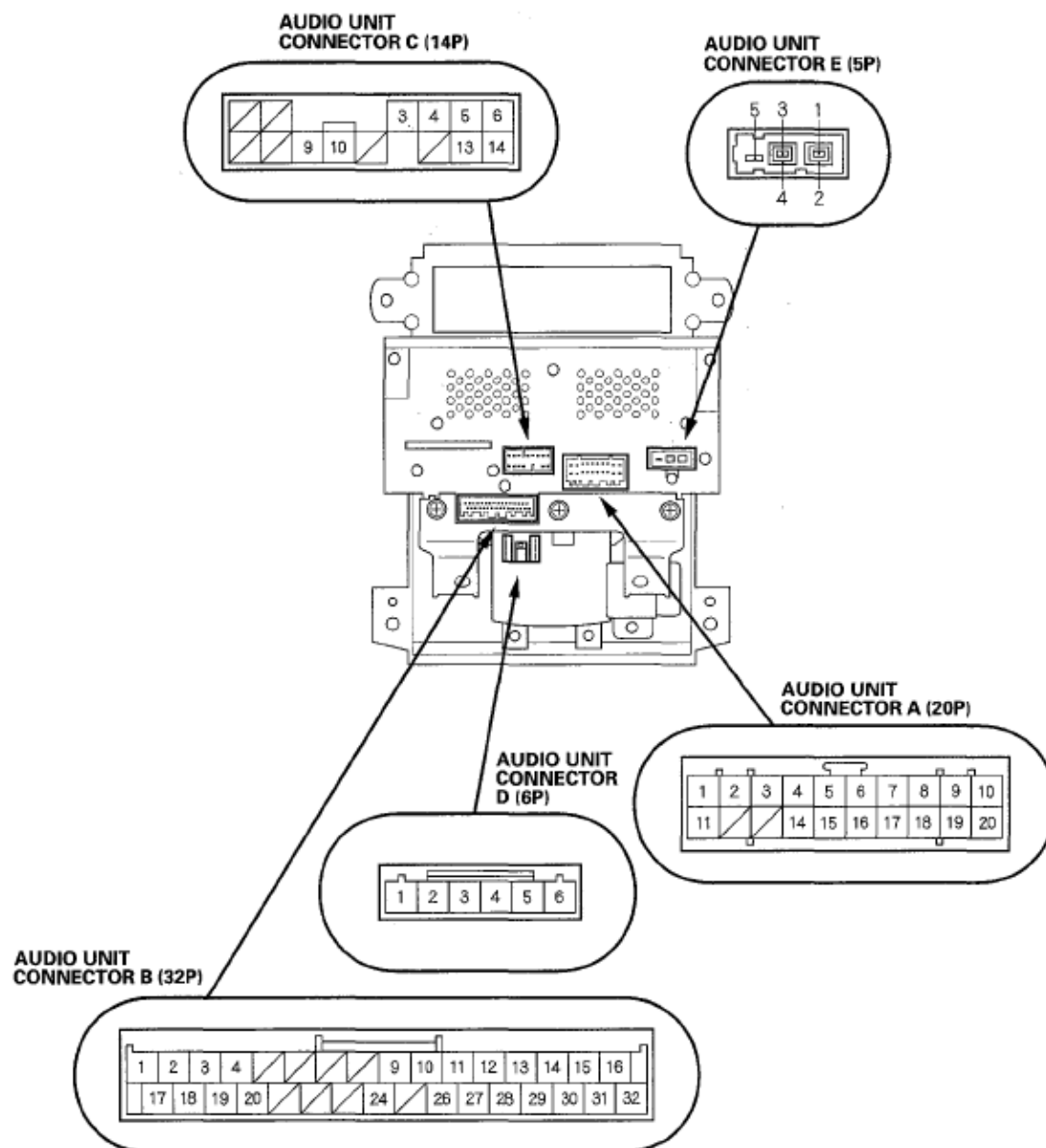


Fig. 5: Identifying Audio Unit Connectors
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

AUDIO UNIT CONNECTOR A (20P)

WIRE CAVITY CHART

Cavity	Wire	Connects to
A1	WHT	RADIO SW (+B)
A2	PUR	Audio power supply
A3	ORN	Audio remote switch
A4	BRN	Display panel control unit (NAVI SCTY)
A5	BLU	Stereo amplifier (RR R+)
A6	PUR	Stereo amplifier (RR L+)
A7	GRN	Stereo amplifier (FR R+)
A8	WHT	Stereo amplifier (FR L+)

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A9	LTBLU	Lights-on signal (ILL+)
A10	WHT	Constant power (+B)
A11	BRN	Audio remote switch ground
A14	GRY ⁽³⁾	Stereo amplifier (PRE AMP shield)
A15	ORN	Stereo amplifier (RR R-)
A16	YEL	Stereo amplifier (RR L-)
A17	BLK	Stereo amplifier (FR R-)
A18	RED	Stereo amplifier (FR L-)
A19	ORN	Dash lights brightness controller (ILL-)
A20	BRN ⁽¹⁾ BLK ⁽²⁾	Ground (G504)

(1) '05 model

(2) '06-08 models

(3) 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 UNIT CONNECTOR B (32P)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
B1	BRN	Stereo amplifier (FR CTR+)
B2	PNK	Stereo amplifier (SUB+)
B3	GRY	Stereo amplifier (BOSE BUS shield)
B4	GRN	Stereo amplifier (BOSE BUS+)
B8	GRN	OnStar control unit (TELEMA MUTE) ⁽¹⁾
B9	RED	XM receiver (HP MUTE)
B10	RED	Climate control unit (CLK-AC)
B11	ORN	Smart ECU (IMS 1)
B12	PNK	Audio subdisplay unit (ACC)
B13	GRN	Audio subdisplay unit (BLANK)
B14	YEL	Audio subdisplay unit (CLOCK)
B15	RED	Audio subdisplay unit (LOAD)
B16	BLU	Audio subdisplay unit (LCD BL+)
B17	LTGRN	Stereo amplifier (FR CTR-)
B18	LTBLU	Stereo amplifier (SUB-)
B19	GRY ⁽²⁾	Stereo amplifier (AMP shield)
B20	RED	Stereo amplifier (BOSE BUS-)
B24	LTGRN	Handsfreelink control unit (HFT MUTE)
B26	YEL	Climate control unit (SQ-AC)
B27	PNK	Keyless access control unit(IMS2)
B28	PUR	Audio subdisplay unit (5VGND)
B29	GRY	Audio subdisplay unit (Shield)

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B30	BLK	Audio subdisplay unit (SEG TEST)
B31	WHT	Audio subdisplay unit (DATA)
B32	ORN	Audio subdisplay unit (LCD BL-)

(1) '05-06 models

(2) 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 UNIT CONNECTOR C (14P)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
C2	PUR ⁽²⁾	XM receiver (SAT SYS ACC) ⁽²⁾
C3	GRY ⁽³⁾	AcuraLink control unit (XM receiver) ⁽¹⁾ or XM receiver (BUS (GA-NET) shield) ⁽²⁾
C4	GRY ⁽³⁾	AcuraLink control unit (XM receiver) ⁽¹⁾ or XM receiver (HP shield) ⁽²⁾
C5	GRN	AcuraLink control unit (XM receiver) ⁽¹⁾ or XM receiver (HP R+) ⁽²⁾
C6	WHT	AcuraLink control unit (XM receiver) ⁽¹⁾ or XM receiver (HP L+) ⁽²⁾
C9	GRN	AcuraLink control unit (XM receiver) ⁽¹⁾ or XM receiver (BUS+ (GA-NET)) ⁽²⁾
C10	RED	AcuraLink control unit (XM receiver) ⁽¹⁾ or XM receiver (BUS- (GA-NET)) ⁽²⁾
C13	BLK	AcuraLink control unit (XM receiver) ⁽¹⁾ or XM receiver (HP R-) ⁽²⁾
C14	RED	AcuraLink control unit (XM receiver) ⁽¹⁾ or XM receiver (HP L-) ⁽²⁾

(1) With AcuraLink

(2) Without AcuraLink

(3) 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 UNIT CONNECTOR D (6P) ('07 model)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
D1	YEL	Auxiliary jack assembly (AUX DET)
D2	BLK	Auxiliary jack assembly (AUX GND)
D3	RED	Auxiliary jack assembly (AUX R-CH)
D4	GRN	Auxiliary jack assembly (AUX SIG GND)
D5	WHT	Auxiliary jack assembly (AUX L-CH)
D6	GRY ⁽¹⁾	Auxiliary jack assembly (AUX SH GND)

(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 UNIT CONNECTOR E (5P)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
1	--	AM/FM subantenna amplifier (SIG)
2	--	AM/FM subantenna amplifier (SH (AM/FM))
3	--	AM/FM main antenna amplifier (SIG)
4	--	AM/FM main antenna amplifier (SH (AM/FM))
5	--	AM/FM antenna amplifier (SWD+B)

STEREO AMPLIFIER CONNECTOR FOR INPUTS AND OUTPUTS

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

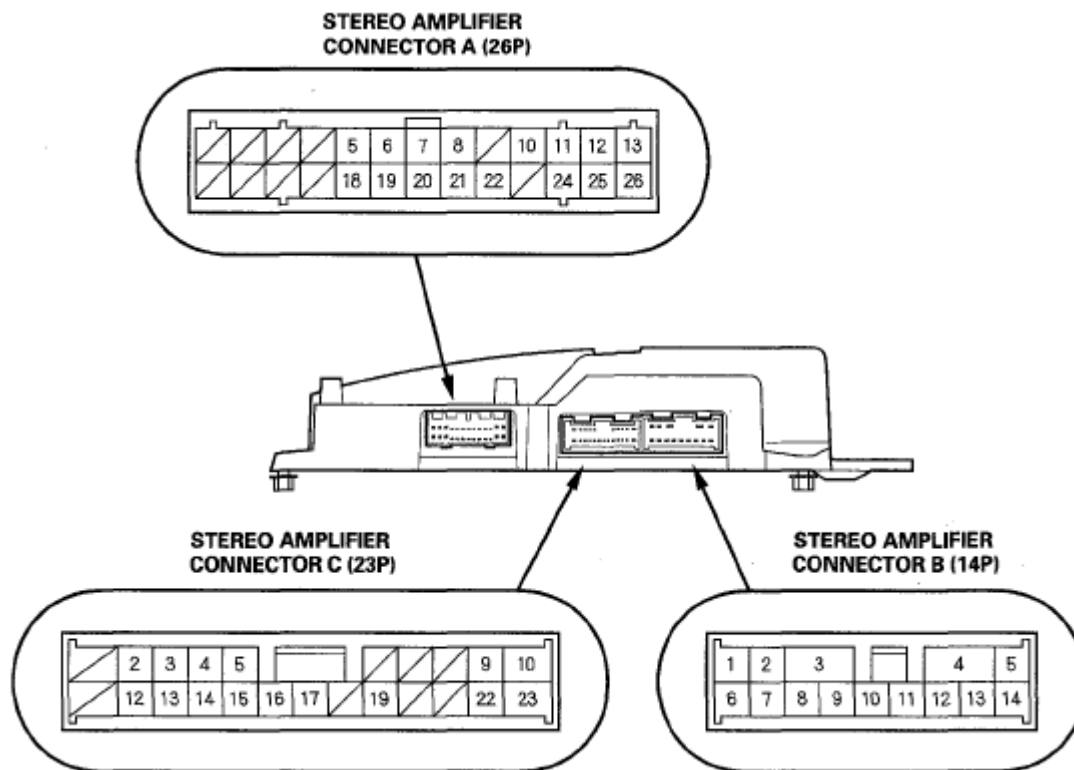


Fig. 6: Identifying Stereo Amplifier Connectors
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

STEREO AMPLIFIER CONNECTOR A (26P)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
A5	BLU	Audio unit (RR R+)
A6	ORN	Audio unit (RR R-)
A7	PNK	Audio unit (SUB+)
A8	LTBLU	Audio unit (SUB-)
A10	GRN	Audio unit (BOSE BUS+)

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A11	RED	Audio unit (BOSE BUS-)
A12	GRN	Audio unit (FR R+)
A13	BLK	Audio unit (FR R-)
A18	WHT	Active noise control unit (DIAG)
A19	PUR	Audio unit (RR L+)
A20	YEL	Audio unit (RR L-)
A21	BRN	Audio unit (FR CTR+)
A22	LTGRN	Audio unit (FR CTR-)
A24	GRY ⁽¹⁾	Active noise control unit (REMOTE ON)
A25	WHT	Audio unit (FR L+)
A26	RED	Audio unit (FR L-)

(1) '06-08 models

STEREO AMPLIFIER CONNECTOR B (14P)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
B1	GRY	Front passenger's door speaker and right front door tweeter (-)
B2	BRN	Left rear speaker (-)
B3	BLK	Ground (G652)
B4	WHT	Constant power (+B)
B5	BRN	Subwoofer (+)
B6	LTGRN	Front passenger's door speaker and right front door tweeter (+)
B7	GRY	Left rear speaker (+)
B8	BLU	Right rear speaker (+)
B9	ORN	Right rear speaker (-)
B10	PUR	Left rear twiddler (+)
B11	LTBLU	Left rear twiddler (-)
B12	GRY	Right rear twiddler (+)
B13	BLU	Right rear twiddler (-)
B14	GRN	Subwoofer (-)

STEREO AMPLIFIER CONNECTOR C (23P)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
C2	GRN	Navigation unit (RG-L+)
C3	RED	Navigation unit (RG-R ground)
C4	BLU	Active noise control unit (MIC R IN-)
C5	RED	Active noise control unit (MIC R IN+)
C9	PNK	Front center speaker (-)
C10	LTGRN	Driver's door speaker and left front door tweeter
C12	GRN	XM receiver (LINE OUT+)
C13	RED	XM receiver (LINE OUT-)

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C14	PUR	Active noise control unit (F+)
C15	ORN	Active noise control unit (F-)
C16	PNK	Active noise control unit (R+)
C17	GRN	Active noise control unit (R-)
C19	WHT	RADIO SW (+B)
C22	BLU	Front center speaker (+)
C23	LT BLU	Driver's door speaker and left front door tweeter (+)

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

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

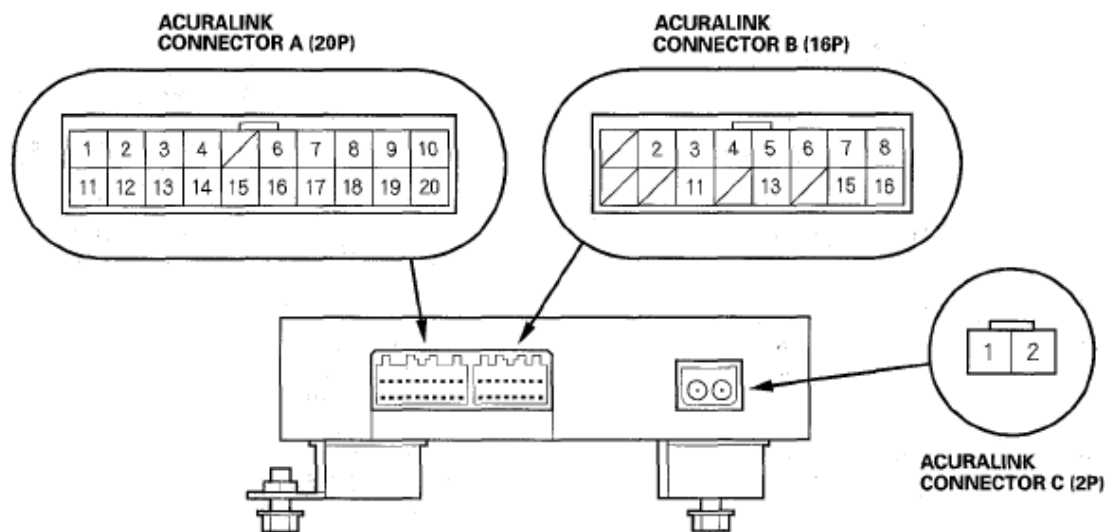


Fig. 7: Identifying XM Receiver Connectors
Courtesy of AMERICAN HONDA MOTOR CO., INC.

ACURALINK CONNECTOR A (20P)

WIRE CAVITY CHART

Cavity	Wire	Connects to
A1	WHT	HIP tester (+B)
A2	PUR	ACC (XM receiver power supply)
A3	WHT	Navigation unit (RX+)
A4	GRN	Navigation unit (TX+)
A6	WHT	HIP tester (CAN HI)
A7	GRN	Audio unit, Display panel control unit (BUS+ (GA-NET))
A8	GRY ⁽¹⁾	Audio unit (HP shield)
A9	WHT	Audio unit (HP L+)
A10	GRN	Audio unit (HP R+)
A11	BLK	Ground (G602)
A12	YEL	IG1 (XM receiver power supply)

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A13	RED	Navigation unit (RX-)
A14	BLK	Navigation unit (TX-)
A15	GRY ⁽¹⁾	Navigation unit (Shield)
A16	BLK	HIP tester (CAN LO)
A17	RED	Audio unit, Display panel control unit (BUS- (GA-NET))
A18	GRY ⁽¹⁾	Audio unit, Display panel control unit (BUS (GA-NET) shield)
A19	RED	Audio unit (HP L-)
A20	BLK	Audio unit (HP 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 CONNECTOR B (16P)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
B2	GRY ⁽¹⁾	Stereo amplifier, Handsfreelink control unit, OnStar control unit (LINE OUT shield) ('05-06 models)
B3	GRN	Stereo amplifier, Handsfreelink control unit, OnStar control unit (LINE OUT+) ('05-06 models)
B4	RED	Audio unit (HP MUTE)
B5	LTGRN	Multiplex integrated control unit (MICU) (B-)
B6	GRY ⁽¹⁾	Handsfreelink control unit (HFT COM shield)
B7	GRN	Handsfreelink control unit (HFT COM 3)
B8	RED	Handsfreelink control unit (HFT COM 1)
B11	RED	Stereo amplifier, Handsfreelink control unit, OnStar control unit (LINE OUT-) ('05-06 models)
B13	ORN	SRS unit (DIAG LINE)
B15	BLK	Handsfreelink control unit (HFT COM 4)
B16	WHT	Handsfreelink control unit (HFT COM 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.		

ACURALINK CONNECTOR C (2P)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
C1	--	Terrestrial signal antenna
C2	--	Satellite signal antenna

XM RECEIVER CONNECTOR FOR INPUTS AND OUTPUTS (WITHOUT ACURALINK USA MODELS)**'07-08 models**

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

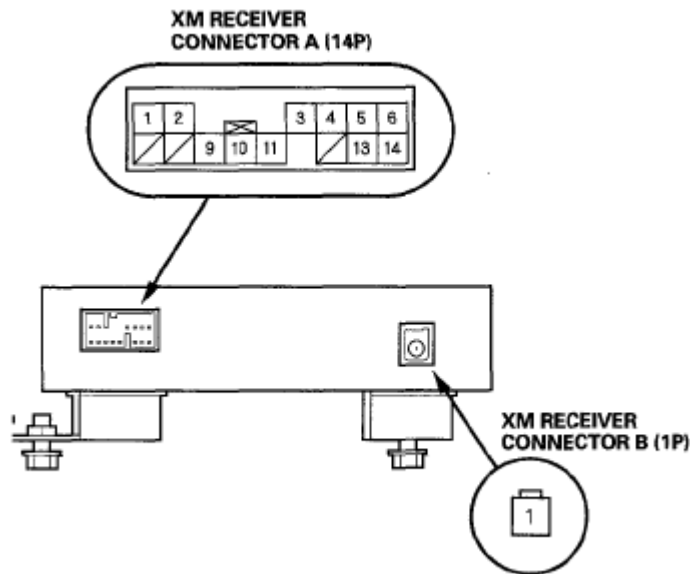


Fig. 8: Identifying XM Receiver Connectors
Courtesy of AMERICAN HONDA MOTOR CO., INC.

XM RECEIVER CONNECTOR A (14P)

WIRE CAVITY CHART

Cavity	Wire	Connects to
A1	WHT	Audio unit (+B)
A2	PUR	Audio unit (SAT SYS ACC)
A3	GRY ⁽¹⁾	Audio unit (BUS (GA-NET) Shield)
A4	GRY ⁽¹⁾	Audio unit (HP Shield)
A5	GRN	Audio unit (HP R+)
A6	WHT	Audio unit (HP L+)
A9	GRN	Audio unit (BUS+ (GA-NED))
A10	RED	Audio unit (BUS- (GA-NET))
A11	BLK	Audio unit (GND)
A13	BLK	Audio unit (HP R-)
A14	RED	Audio unit (HP 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.

XM RECEIVER CONNECTOR B (1P)

WIRE CAVITY CHART

Cavity	Wire	Connects to
B1	--	Satellite signal antenna (SIG)

ACTIVE NOISE CONTROL UNIT CONNECTOR FOR INPUTS AND OUTPUTS

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

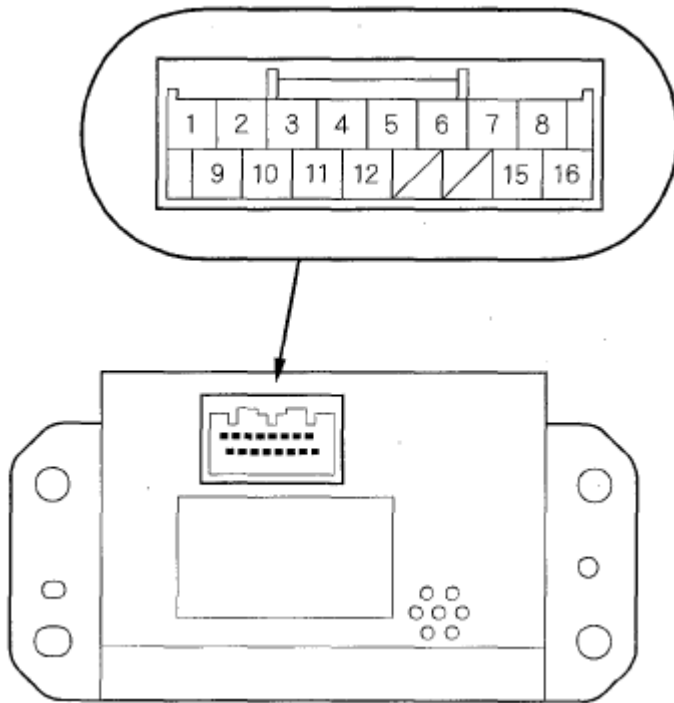


Fig. 9: Identifying Active Noise Control Unit Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

WIRE CAVITY CHART

Cavity	Wire	Connects to
1	PNK	Stereo amplifier (R+)
2	PUR	Stereo amplifier (F+)
3	LTGRN	Active noise control front microphone (MIC F IN+)
4	RED	Stereo amplifier, Active noise control rear microphone (MIC R IN+)
5	BLU	Stereo amplifier, Active noise control rear microphone (MIC R IN-)
6	GRY ⁽²⁾	Stereo amplifier (REMOTE ON) ⁽²⁾
7	BLK	Ground (G652)
8	PUR ⁽¹⁾	Active noise control power supply (ACC) ⁽¹⁾
	WHT ⁽²⁾	Constant power (+B) ⁽²⁾
9	GRN	Stereo amplifier (R-)
10	ORN	Stereo amplifier (F-)
11	LTBLU	Active noise control front microphone (MIC F IN-)
12	WHT	Stereo amplifier (DIAG)
15	GRN	PCM, Test tachometer connector (NEP)
16	PNK	Multiplex integrated control unit (MICU) (INTR LT-)

(1) '05 model

(2) '06-08 models

ACTIVE NOISE CONTROL MICROPHONE CONNECTOR FOR INPUTS AND OUTPUTS

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

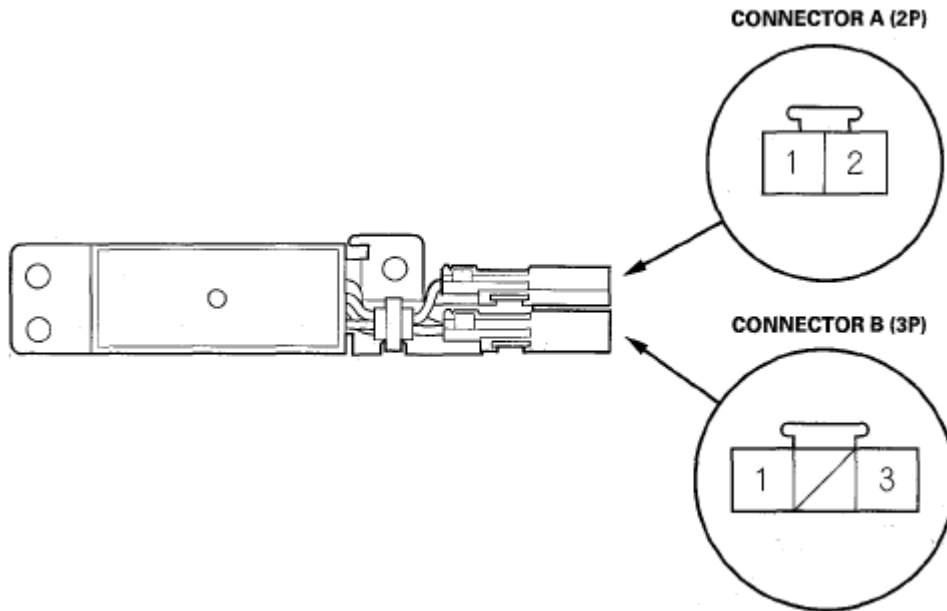


Fig. 10: Identifying Active Noise Control Microphone Connectors
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

CONNECTOR A (2P) (Front)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
A1	LT BLU	Active noise control unit (MIC F IN (-))
A2	LT GRN	Active noise control unit (MIC F IN (+))

CONNECTOR A (2P) (Rear)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
A1	BLU	Stereo amplifier, Active noise control unit (MIC R IN (-))
A2	RED	Stereo amplifier, Active noise control unit (MIC R IN (+))

CONNECTOR B (3P)**WIRE CAVITY CHART**

Cavity	Wire	Connects to
B1	BLK	Ground (G652)
B3	PUR	Active noise control microphone power supply (ACC)

AUDIO-HVAC SUBDISPLAY UNIT CONNECTOR FOR INPUTS AND OUTPUTS

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

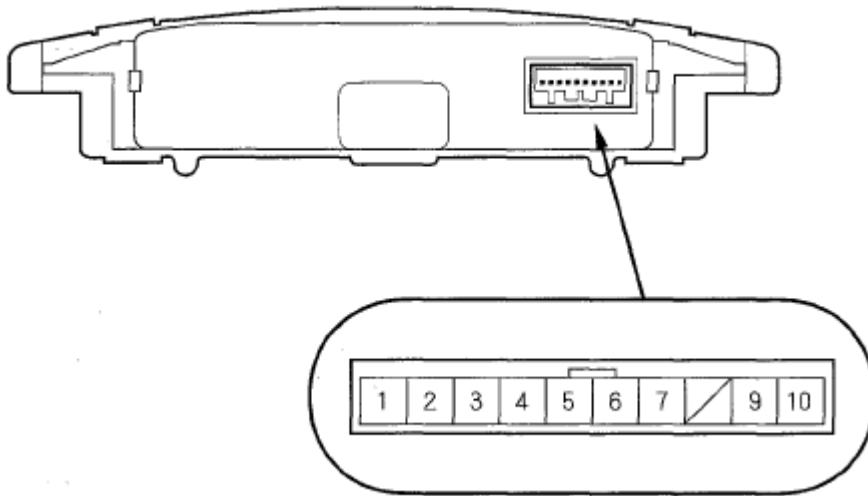


Fig. 11: Identifying Audio-HVAC Subdisplay Unit Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

WIRE CAVITY CHART

Cavity	Wire	Connects to
1	PUR	Audio unit (5 V GND)
2	PNK	Audio unit (ACC)
3	BLK	Audio unit (SEG TEST)
4	GRN	Audio unit (BLANK)
5	YEL	Audio unit (CLOCK)
6	WHT	Audio unit (DATA)
7	RED	Audio unit (LOAD)
9	ORN	Audio unit (LCD BL-)
10	BLU	Audio unit (LCD BL+)

INTERFACE DIAL CONNECTOR FOR INPUTS AND OUTPUTS

When replacing an interface dial connector, match the wires to the cavities listed in the following table.

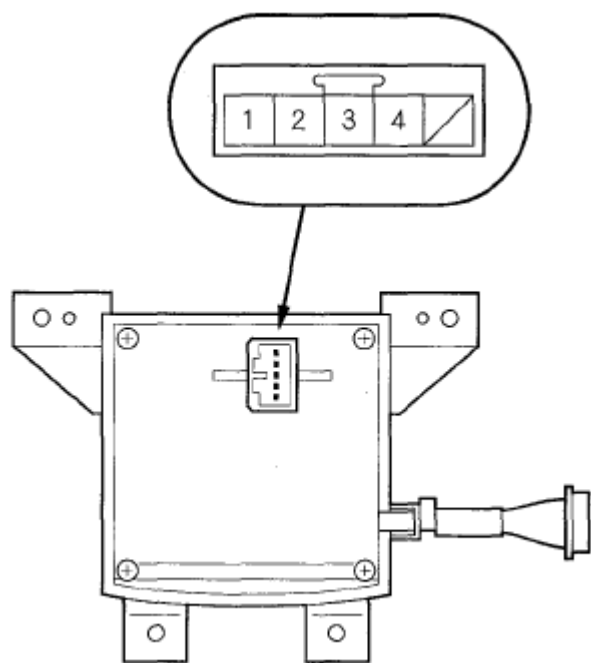


Fig. 12: Identifying Interface Dial Connector
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

WIRE CAVITY CHART

Cavity	Wire	Connects to
1	WHT	Navigation unit (JOG)
2	GRY ⁽¹⁾	Navigation unit (JOG Shield)
3	BLK	Ground (G506)
4	PUR	Interface dial power supply (ACC)
(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.		

AUXILIARY JACK ASSEMBLY CONNECTOR FOR INPUTS AND OUTPUTS ('07-08 MODELS)

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

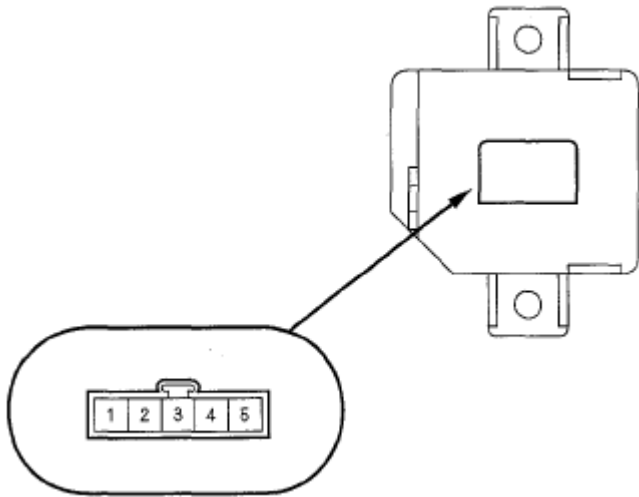


Fig. 13: Identifying Auxiliary Jack Assembly Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

WIRE CAVITY CHART

Cavity	Wire	Connects to
1	YEL	Audio unit (AUX DET)
2	BLK	Audio unit (AUX GND)
3	GRN	Audio unit (AUX SIG GND)
4	WHT	Audio unit (AUX L-CH)
5	RED	Audio unit (AUX R-CH)

CIRCUIT DIAGRAM

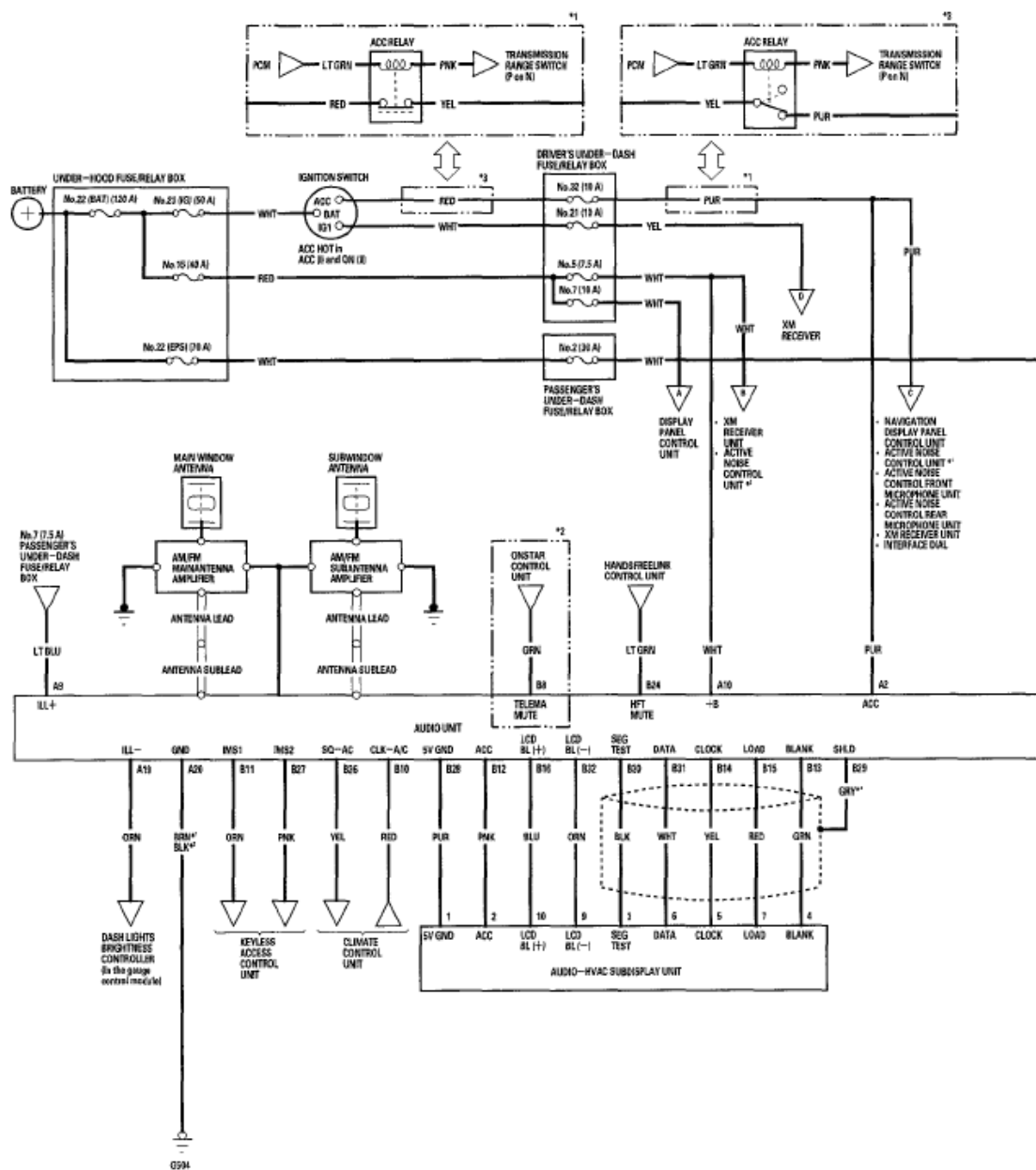


Fig. 14: Audio System - Circuit Diagram (1 Of 4)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

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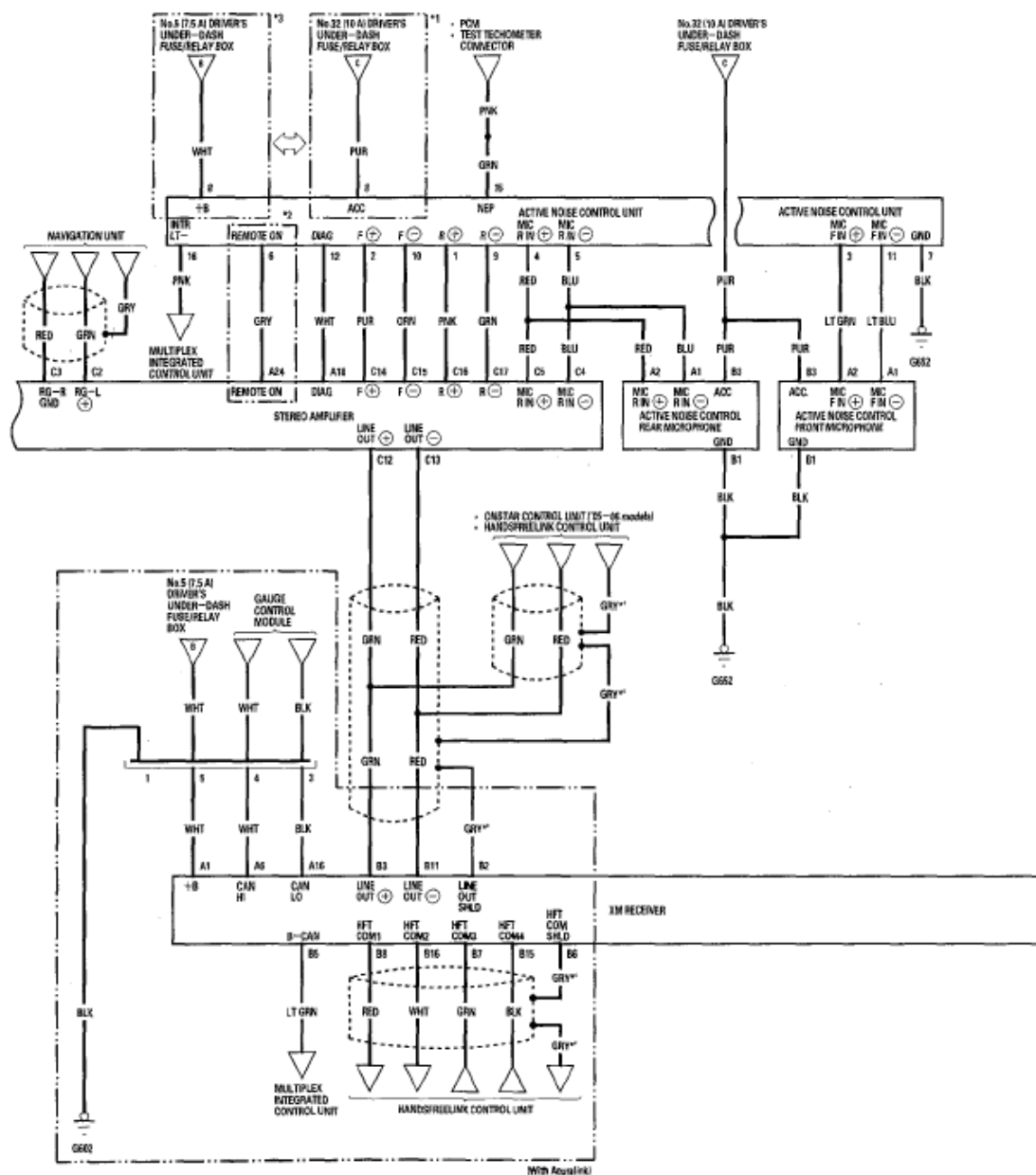


Fig. 16: Audio System - Circuit Diagram (3 Of 4)
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Fig. 17: Audio System - Circuit Diagram (4 Of 4)
Courtesy of AMERICAN HONDA MOTOR CO., INC.

SELF-DIAGNOSTIC FUNCTION

The audio system has a self-diagnosis function.

HOW TO ENTER THE SELF-DIAGNOSIS MODE

1. Turn the ignition switch to the ACC (I) or ON (II).
2. Enter the anti-theft code.
3. Push and hold the "No. 1" and "No. 6" buttons and "PWR" knob.
4. The word "DIAG" appears on the subdisplay.

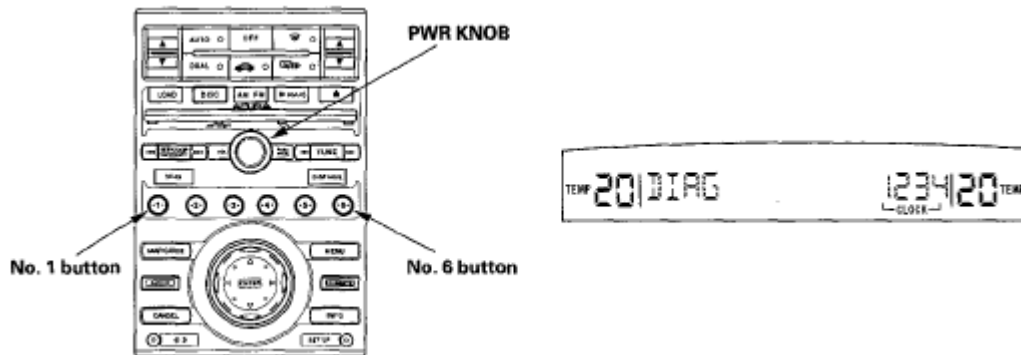


Fig. 18: Identifying Buttons And PWR Knob
Courtesy of AMERICAN HONDA MOTOR CO., INC.

HOW TO EXIT THE SELF-DIAGNOSIS MODE

Turn the audio power off or the ignition switch to LOCK (0).

HOW TO OBTAIN THE AUDIO UNIT SERIAL NUMBER

NOTE: This procedure can only when the power has been disconnected from the audio unit, and the audio unit displays CODE.

With the audio unit switched off, push and hold the preset buttons No. 1, No. 6 and the PWR knob.

The audio unit will display the letter U with the first four digits of the serial number (example U1234).

The display then changes and displays the letter L and the last four digits of the serial number (example L5678).

Use all eight digits as the serial number when using the interactive network iN to get the 5 digit anti-theft code.

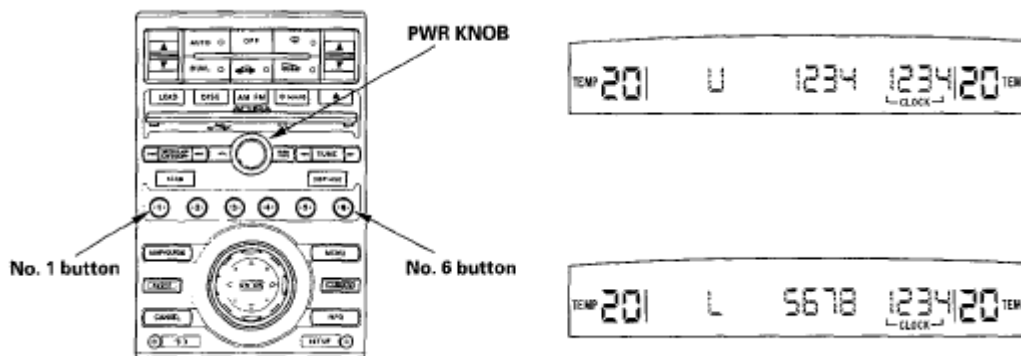


Fig. 19: Identifying Buttons And PWR Knob
Courtesy of AMERICAN HONDA MOTOR CO., INC.

LCD LIGHTING MODE

By pressing the No. 3 button, the entire LCD will turn on to show the presence or absence of a faulty LCD.

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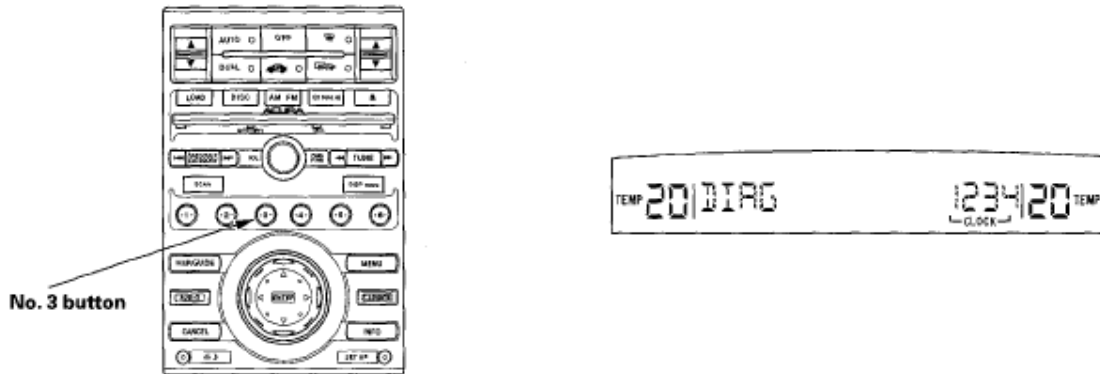


Fig. 20: Identifying LCD Lighting Mode
Courtesy of AMERICAN HONDA MOTOR CO., INC.

LCD LIGHTS-OUT MODE

By pressing the No. 4 button, the entire LCD will turn off to show the presence or absence of a faulty LCD.

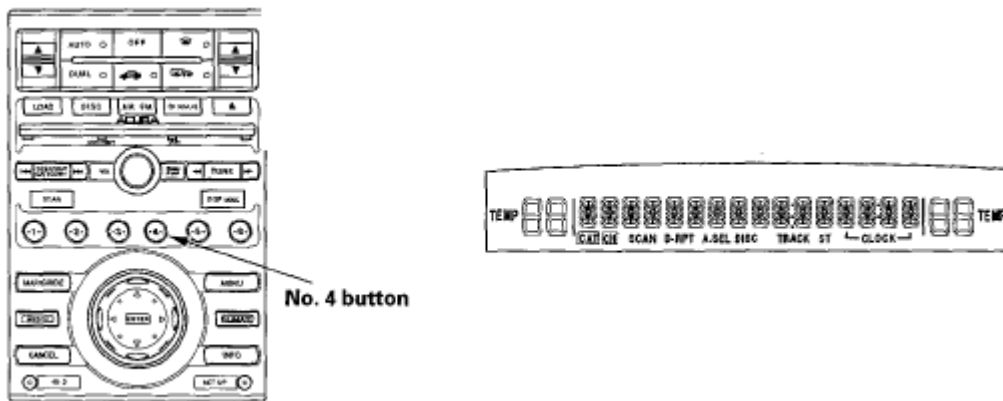


Fig. 21: Identifying LCD Lights-Out Mode
Courtesy of AMERICAN HONDA MOTOR CO., INC.

LCD BACK-UP LIGHT LIGHTING/LIGHTS-OUT MODE

Press the No. 4 button to turn off the entire LCD, then press and hold the "DISC" button for 5 seconds. The LCD backup lights should come on. From this point, press and hold the "DISC" button for 5 seconds again, and the LCD back-up lights should go off.

CLIMATE CONTROL SYSTEM COMMUNICATION CHECK MODE

By pressing the No. 5 button, the climate control unit communication line is checked.

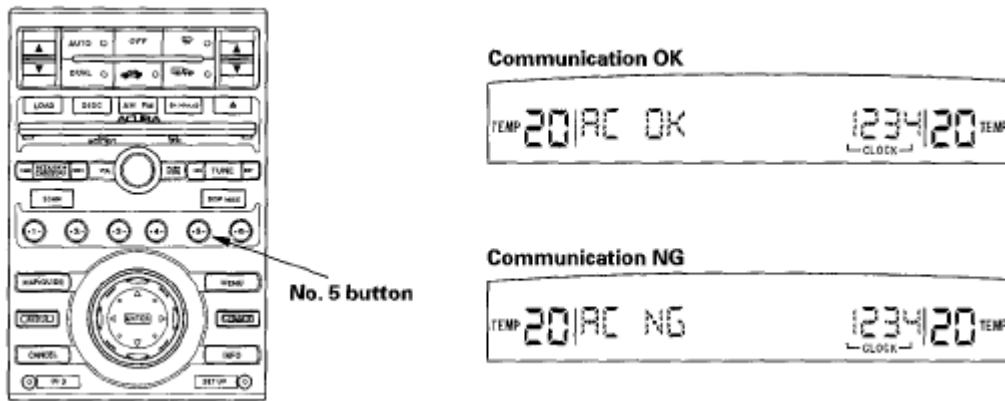


Fig. 22: Identifying Climate Control System Communication Check Mode
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

AUDIO AMPLIFIER COMMUNICATION CHECK MODE

By pressing the No. 6 button, the audio amplifier communication line is checked.

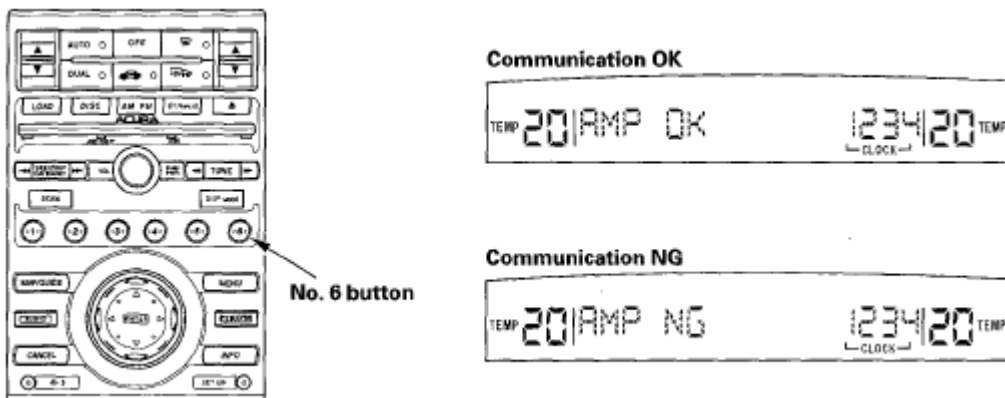


Fig. 23: Identifying Audio Amplifier Communication Check Mode
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

ACTIVE NOISE CONTROL (ANC) SYSTEM CHECK MODE

Active noise control can be turned ON or OFF, and the current status is checked. The active noise control switches ON and OFF with every push of the No. 1 button. It checks for loose wires or poor connections at the active noise control unit connector (16P) in case that "-" is displayed.

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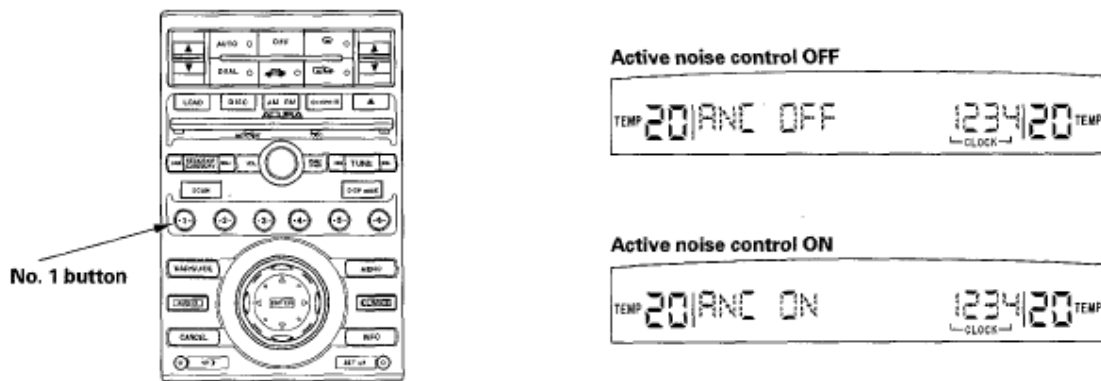


Fig. 24: Identifying Active Noise Control (ANC) System Check Mode
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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

- With the engine stopped, and while in 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 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 stopped.)

ERROR CODES

The audio system displays error codes when a problem is detected with the CD changer, the audio disc, 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 one.
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.
	Disc player is hot. This can happen	Park the vehicle in a cooler place for a while and try the disc player again. If the error code is still

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DISC-H	if the vehicle is parked out in the hot sun all day.	present, try another disc. If the error code is still present, replace the audio unit.
--------	--	--

XM Error Codes

XM ERROR CODES

Error Code Displayed	Possible Cause	Solution
XM LOADING	XM radio is acquiring audio or program information.	Wait until the radio receives the information.
XM OFF AIR	XM channel not in service.	Try another XM channel.
XM NO SIGNAL	Loss of signal.	Both terrestrial and satellite antennas have lost signal. Park the vehicle outside with a clear view of the southern horizon.
XM UPDATING	XM radio is receiving information update from the network.	This message will disappear once the update finishes.
XM 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 original XM antenna. If the error is still present, replace the antenna lead.
--	No signal from XM.	Check a known-good vehicle with XM radio. If the known-good vehicle has the same symptoms, contact XM Satellite Radio at (800) 852-9696.

Audio Unit Error Codes

AUDIO UNIT ERROR CODES

Error Code Displayed	Possible Cause	Solution
ERR1	Anti-theft code mismatch (1 st try).	Enter the correct anti-theft code.
ERRE	Anti-theft code mismatch (10 th try).	Remove fuse No. 5 (10A) in the driver's 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 the radio reception in an open area. Poor reception/interference can be caused by any of these conditions.
 - The radio station is too far away.
 - Atmospheric conditions are unfavorable.

- **A tall buildings, mountains, or a high-voltage power lines are nearby.**
- **Always check the connectors for poor connection or loose terminals.**
- **After market 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 if the radio reception/interference is the same in several locations.

Is the reception/interference the same?

YES - Go to step 4.

NO - Multipath interference or weak station. Operation is normal.

4. Check the reception/interference while the engine is running.

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 5.

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

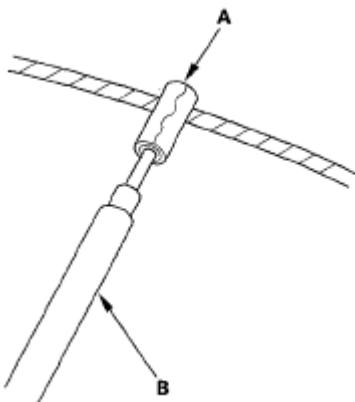


Fig. 25: Identifying Aluminum Foil And Tip Of Tester Probe

Courtesy of AMERICAN HONDA MOTOR CO., INC.

7. Touch one tester probe to the window near the antenna terminal (A), and move the other tester probe along the antenna wires to check for continuity. Repair if there is no continuity.

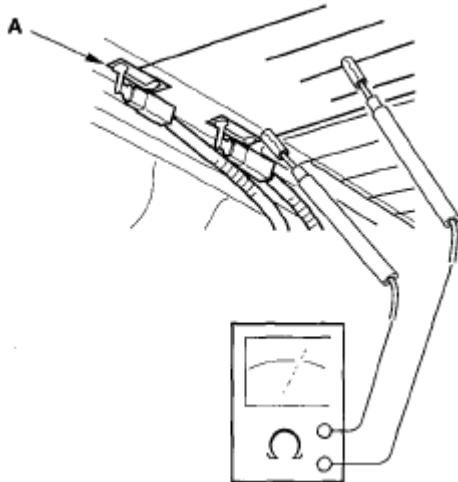


Fig. 26: Checking For Continuity Along Antenna Wires
Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Remove the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**). Check the audio unit connector E (5P) connection.

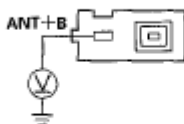
Is it properly connected?

YES - Go to step 9.

NO - Reconnect the audio unit connector E (5P), and recheck the function.

9. Disconnect the antenna cable 3P connectors from the AM/FM antenna amplifier (see **AM/FM ANTENNA AMPLIFIER REPLACEMENT**).
10. Turn the ignition switch to ON (II).
11. Turn on the audio unit and select AM or FM.
12. Measure the voltage between the AM/FM main antenna amplifier connector No. 3 terminal at the AM/FM antenna amplifier lead and body ground.

AM/FM MAIN ANTENNA AMPLIFIER 3P CONNECTOR



Terminal side of female terminals

Fig. 27: Measuring Voltage Between No. 3 Terminal And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES - Go to step 13.

NO - Replace AM/FM antenna sublead and/or main lead.

13. Turn the ignition switch to LOCK (0).
14. Remove the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).
15. Check for continuity between audio unit connector E (5P) No. 5 terminal and the AM/FM main antenna amplifier 3P connector No. 3 terminal.

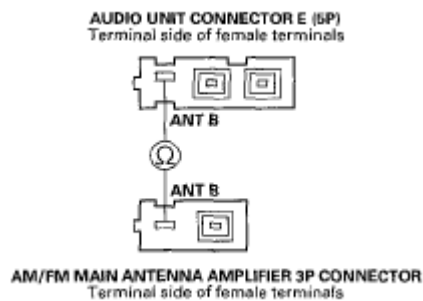


Fig. 28: Checking Continuity Between No. 5 Terminal And No. 3 Terminal
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 16.

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

16. Check for continuity between the audio unit connector E (5P) No. 3 terminal and the AM/FM main antenna amplifier 3P connector No. 1 terminal.

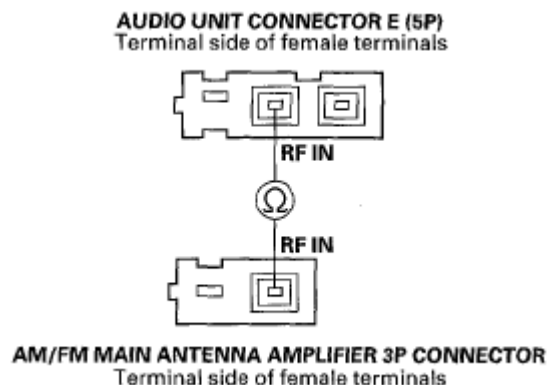


Fig. 29: Checking Continuity Between No. 3 Terminal And No. 1 Terminal
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

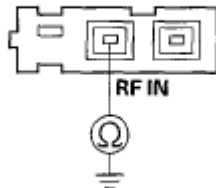
Is there continuity?

YES - Go to step 17.

NO - Replace AM/FM antenna sublead and/or main lead.

17. Check for continuity between the audio unit connector E (5P) No. 3 terminal and body ground.

AUDIO UNIT CONNECTOR E (5P)



Terminal side of female terminals

Fig. 30: Checking Continuity Between Audio Unit Connector E (5P) No. 3 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

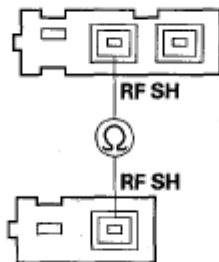
Is there continuity?

YES - Replace AM/FM antenna sublead and/or main lead.

NO - Go to step 18.

18. Check for continuity between the audio unit connector E (5P) No. 4 terminal and the AM/FM main antenna amplifier 3P connector No. 2 terminal.

AUDIO UNIT CONNECTOR E (5P)
Terminal side of female terminals



AM/FM MAIN ANTENNA AMPLIFIER 3P CONNECTOR
Terminal side of female terminals

Fig. 31: Checking Continuity Between No. 4 Terminal And No. 2 Terminal

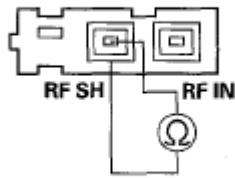
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 19.

NO - Replace AM/FM antenna sublead and/or main lead.

19. Check for continuity between the audio unit connector E (5P) No. 3 and No. 4 terminals.

AUDIO UNIT CONNECTOR E (5P)

Terminal side of female terminals

Fig. 32: Checking Continuity Between Audio Unit Connector E (5P) No. 3 And No. 4 Terminals
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

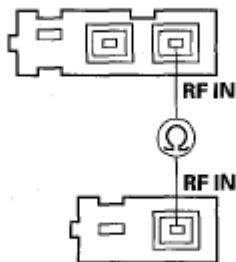
Is there continuity?

YES - Replace AM/FM antenna sublead and/or main lead.

NO - Go to step 20.

20. Check for continuity between the audio unit connector E (5P) No. 1 terminal and the AM/FM subantenna amplifier 3P connector No. 1 terminal.

AUDIO UNIT CONNECTOR E (5P)
 Terminal side of female terminals



AM/FM SUBANTENNA AMPLIFIER 3P CONNECTOR
 Terminal side of female terminals

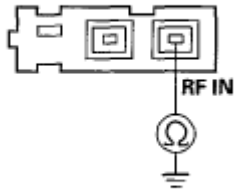
Fig. 33: Checking Continuity Between No. 1 Terminal And No. 1 Terminal
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 21.

NO - Replace AM/FM antenna sublead and/or main lead.

21. Check for continuity between the audio unit connector E (5P) No. 1 terminal and body ground.

AUDIO UNIT CONNECTOR E (5P)

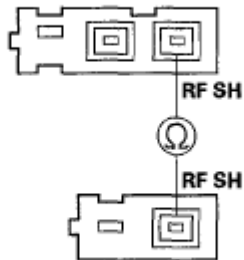
Terminal side of female terminals

Fig. 34: Checking Continuity Between Audio Unit Connector E (5P) No. 1 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

*Is there continuity?***YES** - Replace AM/FM antenna sublead and/or main lead.**NO** - Go to step 22.

22. Check for continuity between the audio unit connector E (5P) No. 2 terminal and the AM/FM subantenna amplifier 3P connector No. 2 terminal.

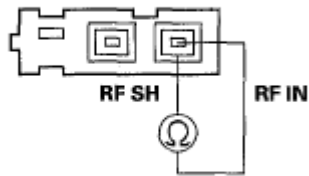
AUDIO UNIT CONNECTOR E (5P)
Terminal side of female terminals**AM/FM SUBANTENNA AMPLIFIER 3P CONNECTOR**
Terminal side of female terminals**Fig. 35: Checking Continuity Between No. 2 Terminal And No. 2 Terminal**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

*Is there continuity?***YES** - Go to step 23.**NO** - Replace AM/FM antenna sublead and/or main lead.

23. Check for continuity between the audio unit connector E (5P) No. 1 and No. 2 terminals.

AUDIO UNIT CONNECTOR E (5P)



Terminal side of female terminals

Fig. 36: Checking Continuity Between Audio Unit Connector E (5P) No. 1 And No. 2 Terminals
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Replace AM/FM antenna sublead and/or main lead.

NO - Replace the AM/FM antenna amplifier, and recheck. If the reception is still poor, replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

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

NOTE:

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

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

Does the audio unit display operate properly, and does the audio unit sound normal?

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

NO - Go to step 3.

3. Turn the ignition switch to LOCK (0).
4. Check the No. 5 (7.5A) fuse and the No. 32 (10A) fuse in the driver's under-dash fuse/relay box.

Are the fuses OK?

YES - Go to step 5.

NO - Replace the fuse, and recheck.

5. Remove the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**). Check that the audio unit is properly connected.

Is it connected properly?

YES - Go to step 6.

NO - Reconnect the connector, and recheck the function.

6. Disconnect audio unit connector A (20P).

NOTE: Eject all the CDs before removing the audio unit and CD changer to prevent damaging the CD player's load mechanism.

7. Turn the ignition switch to ON (II).
8. Measure the voltage between the No. 2 and No. 10 terminals of audio unit connector A (20P) and body ground.

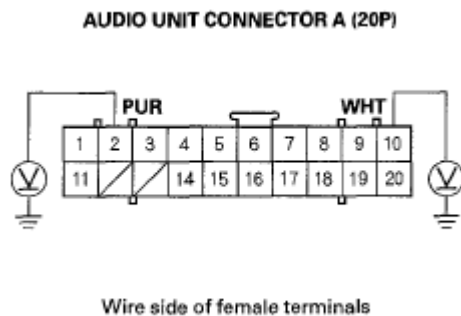


Fig. 37: Measuring Voltage Between No. 2 And No. 10 Terminals Of Audio Unit Connector A (20P) And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES - Go to step 9.

NO - Repair open in the wire(s) between the No. 5 (7.5A) fuse and the No. 32 (10A) fuse in the driver's under-dash fuse/relay box and the audio unit.

9. Turn the ignition switch to LOCK (0).
10. Reconnect audio unit connector A (20P).
11. Measure the voltage between audio unit connector A (20P) No. 20 terminal and body ground.

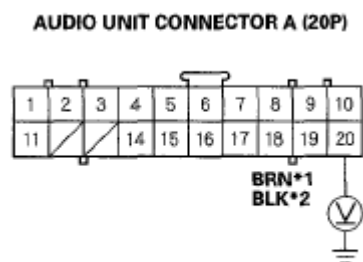


Fig. 38: Measuring Voltage Between Audio Unit Connector A (20P) No. 20 Terminal And Body Ground

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 the audio unit connector A (20P) No. 20 terminal and body ground (G504).

RADIO STAYS POWERED WITH THE IGNITION SWITCH OFF

NOTE:

- Check the vehicle battery condition first.
- Always check the connectors for poor connection or loose terminals.
- Always check for aftermarket accessories plugged into the vehicle accessory power sockets.

1. Turn the ignition switch to ON (II).
2. With the ignition switch ON (II), push the power switch OFF or 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 3.

3. Turn the ignition switch to LOCK (0).
4. Remove the audio unit (see AUDIO UNIT REMOVAL/INSTALLATION). Disconnect audio unit connector A (20P).

NOTE: Eject all the CDs before removing the audio unit and CD changer to prevent damaging the CD player's load mechanism.

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

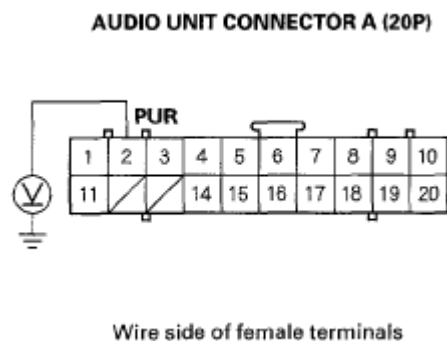


Fig. 39: Measuring Voltage Between No. 2 Terminal Of Audio Unit Connector A (20P) And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES - Check for short to power on the PUR wire.

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

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 performing 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 that the volume button is not set the MIN level.

Is it at the MIN level?

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

NO - Go to step 3.

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

4. Check to see if there is a specific speaker(s) that has no sound.

Is there a specific one?

YES - Go to step 5.

NO - Go to step 8.

5. Turn the ignition switch to LOCK (0).
6. Check the speaker(s) that has no sound for any damage.

Is there any damage?

YES - Replace the speaker(s) and recheck.

NO - Go to step 7.

7. Remove the speaker(s) that has no sound (see **SPEAKER REPLACEMENT**), and disconnect its connector.
8. Check the speaker 2P connector for a loose or poor connection.

Reconnect the speaker 2P connector, and recheck the symptom; does it still appear?

YES - Go to step 9.

NO - Operation is normal.

9. Measure the resistance between the No. 1 and No. 2 terminals of the speaker connector.

Is there about 4 ohms ?

YES - Go to step 10.

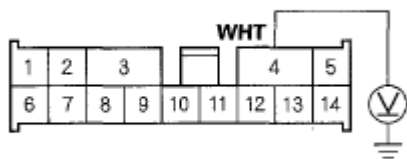
NO - Faulty speaker(s).

10. Disconnect stereo amplifier connectors A (26P), B (14P), and C (23P).

NOTE: **Eject all the CDs before removing the audio unit and CD changer to prevent damaging the CD player's load mechanism.**

11. Measure the voltage between stereo amplifier connector B (14P) No. 4 terminal and body ground.

STEREO AMPLIFIER CONNECTOR B (14P)



Wire side of female terminals

Fig. 40: Measuring Voltage Between Stereo Amplifier Connector B (14P) No. 4 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

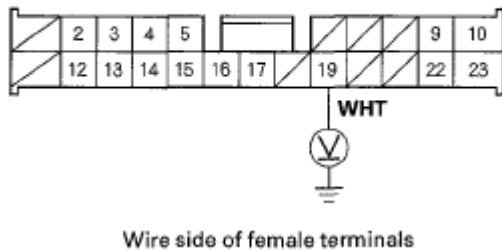
YES - Go to step 12.

NO - Repair open in the wire between fuse No. 2 (30A) in the passenger's under-dash fuse/relay box and stereo amplifier connector B (14P) No. 4 terminal.

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

13. Measure the voltage between stereo amplifier connector C (23P) No. 19 terminal and body ground.

STEREO AMPLIFIER CONNECTOR C (23P)



Wire side of female terminals

Fig. 41: Measuring Voltage Between Stereo Amplifier Connector C (23P) No. 19 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

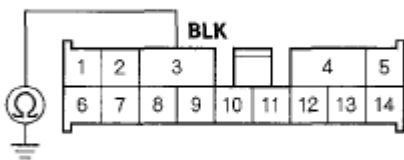
Is there battery voltage?

YES - Go to step 14.

NO - Repair open in the wire between the stereo amplifier connector C (23P) No. 19 terminal and audio unit connector A (20P) No. 1 terminal.

14. Reconnect stereo amplifier connectors A (20P), B(14P), and C (23P).
15. Check for continuity between stereo amplifier connector B (14P) No. 3 terminal and body ground.

STEREO AMPLIFIER CONNECTOR B (14P)



Wire side of female terminals

Fig. 42: Checking Continuity Between Stereo Amplifier Connector B (14P) No. 3 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

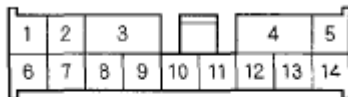
YES - Go to step 16.

NO - Repair open in the wire between stereo amplifier connector B (14P) No. 3 terminal and body ground (G652).

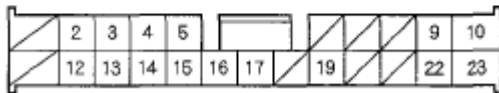
16. Disconnect stereo amplifier connectors B (14P), and C (23P).
17. Measure the resistance of stereo amplifier connectors B (14P) and C (23P) according to the table.

SPEAKER TERMINAL SPECIFICATIONS

Speaker	Terminal	Wire color
Driver's door speaker. Left front tweeter	C23 (+)	LT BLU
	C10 (-)	LT GRN
Passenger's door speaker, Right front tweeter	B6 (+)	LT GRN
	B1 (-)	GRY
Front center speaker	C22 (+)	BLU
	C9 (-)	PNK
Right rear speaker	B8 (+)	BLU
	B9 (-)	ORN
Right rear twiddler	B12 (+)	GRY
	B13 (-)	BLU
Subwoofer	B5 (+)	BRN
	B14 (-)	GRN
Left rear twiddler	B10 (+)	PUR
	B11 (-)	LT BLU
Left rear speaker	B7 (+)	GRY
	B2 (-)	BRN

STEREO AMPLIFIER CONNECTOR B (14P)

Wire side of female terminals

STEREO AMPLIFIER CONNECTOR C (23P)

Wire side of female terminals

Fig. 43: Identifying Stereo Amplifier Connectors B (14P) And C (23P) Wire Side of Female Terminals

Courtesy of AMERICAN HONDA MOTOR CO., INC.

*Is there more than 4 ohms?***YES** - Go to step 18.**NO** - Repair open in the wire between the stereo amplifier and the speaker.

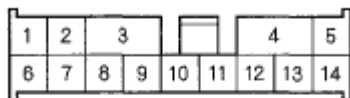
18. Disconnect the speaker 2P connector.
19. Check for continuity between the stereo amplifier connector B (14P) and C (23P) terminals and body ground according to the table.

SPEAKER TERMINAL SPECIFICATIONS

Speaker	Terminal	Wire color

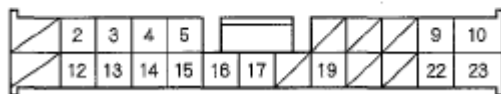
Driver's door speaker, Left front tweeter	C23 (+)	LT BLU
	C10 (-)	LT GRN
Front passenger's door speaker, Right front tweeter B6 (+)	LT	GRN
	B1 (-)	GRY
Left rear speaker	B7 (+)	GRN
	B2 (-)	BRN
Right rear speaker	B8 (+)	BLU
	B9 (-)	ORN
Left rear twiddler speaker	B10 (+)	PUR
	B11 (-)	LT BLU
Right rear twiddler speaker	B12 (+)	GRY
	B13 (-)	BLU
Front center speaker	C22 (+)	BLU
	C9 (-)	PNK
Subwoofer	B5 (+)	BRN
	B14 (-)	GRN

STEREO AMPLIFIER CONNECTOR B (14P)



Wire side of female terminals

STEREO AMPLIFIER CONNECTOR C (23P)



Wire side of female terminals

Fig. 44: Identifying Stereo Amplifier Connectors B (14P) And C (23P) Wire Side of Female Terminals

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 20.

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

20. Reconnect the 2P connector(s) to the speaker(s).
21. Disconnect audio unit connector A (20P) and audio unit connector B (32P).

NOTE: Eject all the CDs before removing the audio unit and CD changer to prevent damaging the CD player's load mechanism.

22. Disconnect amplifier connector A (26P).
23. Check for continuity between audio unit connector A (20P) and body ground according to the table.

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Then check for continuity between the same terminals listed in the table and the audio unit connector A (20P) No. 14 terminal (the harness shield).

AUDIO UNIT CONNECTOR SPECIFICATIONS

Audio unit connector	Wire color
A6	PUR
A16	YEL
A5	BLU
A15	ORN
A8	WHT
A18	RED
A7	GRN
A17	BLK

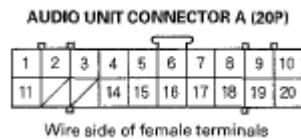


Fig. 45: Identifying Stereo Audio Unit Connector A (20P) Wire Side of Female Terminals
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Repair short in the wire between the audio unit and the stereo amplifier or a short between the shield wires (replace the appropriate shielded harness).

NO - Go to step 24.

24. Check for continuity between audio unit connector B (32P) and body ground according to the table. Then check for continuity between the same terminals listed in the table and the audio unit connector B (32P) No. 19 terminal (the harness shield).

AUDIO UNIT CONNECTOR SPECIFICATIONS

Audio unit connector	Wire color
B1	BRN
B17	LT GRN
B2	PNK
B18	LT BLU

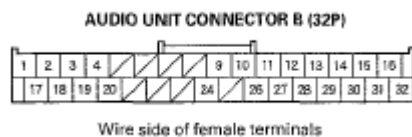


Fig. 46: Identifying Audio Unit Connector B (32P) Wire Side of Female Terminals
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Repair short in the wire between the audio unit and the stereo amplifier or a short between the shield wires (replace the appropriate shielded harness).

NO - Go to step 25.

25. Check for continuity between audio unit connector B (32P) and body ground according to the table. Then check for continuity between the same terminals listed in the table and the audio unit connector B (32P) No. 3 terminal (the harness shield).

AUDIO UNIT CONNECTOR SPECIFICATIONS

Audio unit connector	Wire color
B4	GRN
B20	RED

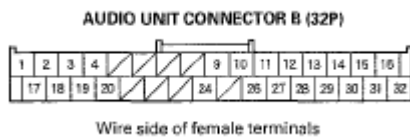


Fig. 47: Identifying Audio Unit Connector B (32P) Wire Side of Female Terminals
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Repair short in the wire between the audio unit and the stereo amplifier or a short between the shield wires (replace the appropriate shielded harness).

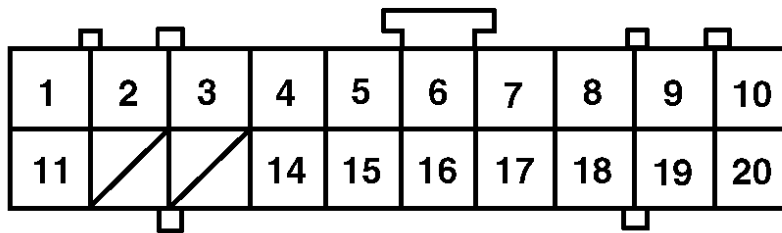
NO - Go to step 26.

26. Check for continuity between audio unit connectors A (20P) and B (32P) and stereo amplifier connector A (26P) according to the table (see **Fig. 47** and **Fig. 48**).

AUDIO UNIT CONNECTOR SPECIFICATIONS

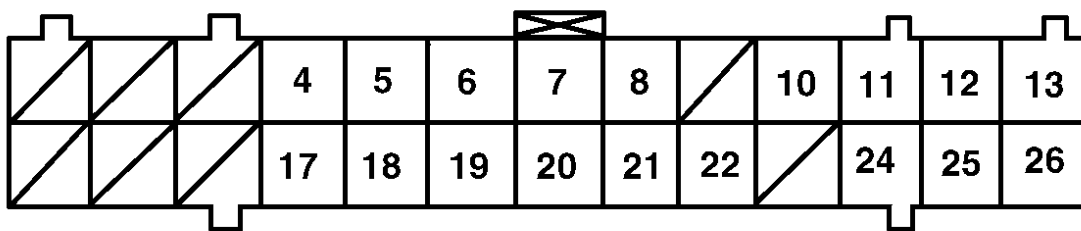
Audio unit connector	Amplifier connector	Wire color
A5	A5	BLU
A6	A19	PUR
A7	A12	GRN
A8	A25	WHT
A15	A6	ORN
A16	A20	YEL
A17	A13	BLK
A18	A26	RED
B1	A21	BRN
B2	A7	PNK
B4	A10	GRN
B17	A22	LT GRN
B18	A8	LT BLU
B20	A11	RED

AUDIO UNIT CONNECTOR "A" (20P)



Wire side of female terminals

STEREO AMPLIFIER CONNECTOR "A" (26P)



Wire side of female terminals

G05497487

Fig. 48: Identifying Audio Unit Connectors A (20P) And Stereo Amplifier Connector A (26P)
Wire Side Of Female Terminals

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Substitute a known-good audio unit and recheck. If the symptom/indication goes away, replace the original audio unit. If symptom is still present, substitute a known-good stereo amplifier and recheck. If the symptom/indication goes away, replace the original stereo amplifier.

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

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

NOTE:

- Check the vehicle battery condition first.
- 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 the audio unit is set to channel mode (see owners manual), if it is set to channel mode, call XM Satellite Radio client support and check the account activation status.
- Always check the connector for poor connections or loose terminals.
- If you replace the XM receiver, the AcuraLink must be reactivated by

Acura Client Services.

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).

NO -

- With AcuraLink: Go to step 4.
 - Without AcuraLink: Go to step 7.
4. Disconnect audio unit connector C (14P) and AcuraLink control unit (XM receiver) connector A (20P).
 5. Check for continuity between AcuraLink control unit (XM receiver) connector C (14P) and body ground according to the table. Then check for continuity between the same terminals listed in the table and audio unit connector C (14P) No. 4 terminal (the harness shield).

AUDIO UNIT CONNECTOR SPECIFICATIONS

Audio unit connector	Wire color
C6	WHT
C14	RED
C5	GRN
C13	BLK

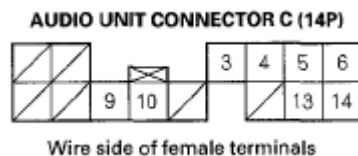


Fig. 49: Identifying Acuralink Control Unit (XM Receiver) Connector C (14P) Wire Side Of Female Terminals

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Repair short in the wire between the audio unit and the AcuraLink control unit (XM receiver) or short between the shield wire (replace the appropriate shielded harness).

NO - Go to step 6.

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

AUDIO UNIT CONNECTOR SPECIFICATIONS

--	--	--

Audio unit connector	AcuraLink control unit (XM receiver) connector	Wire color
C6	A9	WHT
C14	A19	RED
C5	A10	GRN
C13	A20	BLK

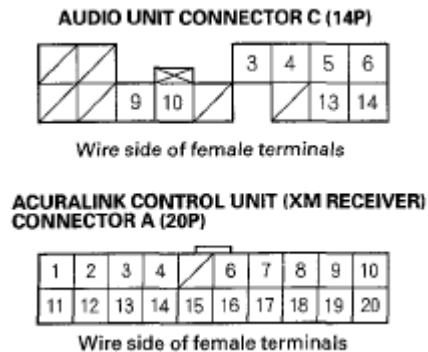


Fig. 50: Identifying Acuralink Control Unit (XM Receiver) Connector A (20P) And Audio Unit Connector C (14P) Wire Side Of Female Terminals

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Substitute a known-good AcuraLink control unit (XM receiver), then reconnect all connectors and recheck. If the symptom/indication goes away, update the AcuraLink control unit if it does not have the latest software, then recheck. If the software is the latest, replace the AcuraLink control unit (see **ACURALINK CONTROL UNIT (XM RECEIVER) REMOVAL/INSTALLATION**). If symptom/indication is still present, replace the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).

NO - Repair open in the wire between audio unit and AcuraLink control unit (XM receiver).

- Disconnect audio unit connector C (14P) and the XM receiver connector A (14P).
- Check for continuity between XM receiver connector C (14P) and body ground according to the table. Then check for continuity between the same terminals listed in the table and audio unit connector C (14P) No. 4 terminal (the harness shield).

AUDIO UNIT CONNECTOR SPECIFICATIONS

Audio unit connector	Wire color
C6	WHT
C14	RED
C5	GRN
C13	BLK

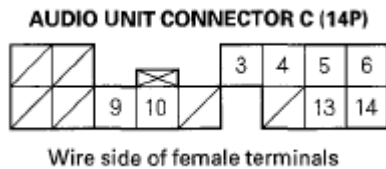


Fig. 51: Identifying XM Receiver Connector C (14P) Wire Side Of Female Terminals
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Repair short in the wire between the audio unit and the XM receiver or short between the shield wire (replace the appropriate shielded harness).

NO - Go to step 9.

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

AUDIO UNIT CONNECTOR SPECIFICATIONS

Audio unit connector	XM receiver connector	Wire color
C6	A6	WHT
C14	A14	RED
C5	A5	GRN
C13	A13	BLK

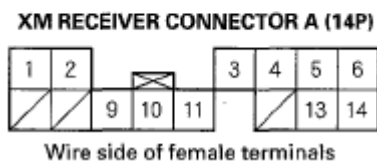
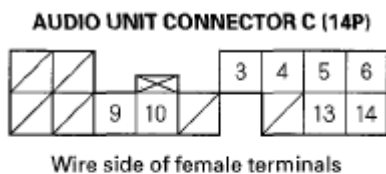


Fig. 52: Identifying XM Receiver Connector A (14P) And Audio Unit Connector C (14P) Wire Side Of Female Terminals
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

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

NO - Repair open in the wire between audio unit and XM receiver.

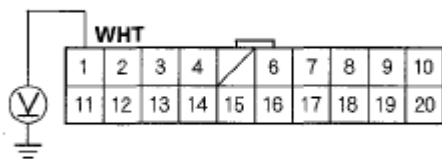
ACURALINK)

NOTE:

- Always check the connectors for poor connections or loose terminals.
- If you replace the XM receiver, the AcuraLink must be reactivated by Acura Client Services.
- Check the vehicle battery condition first.

1. Turn the ignition switch to LOCK (0).
2. Disconnect AcuraLink control unit (XM receiver) connector A (20P).
3. Measure the voltage between AcuraLink control unit (XM receiver) connector A (20P) No. 1 terminal and body ground.

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



Wire side of female terminals

Fig. 53: Measuring Voltage Between Acuralink Control Unit (XM Receiver) Connector A (20P) No. 1 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

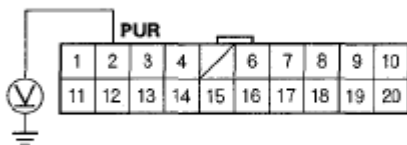
Is there battery voltage?

YES - Go to step 4.

NO - Repair open in the wire between fuse No. 5 (7.5A) in the driver's under-dash fuse/relay box and XM receiver connector A (20P) No. 1 terminal.

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

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



Wire side of female terminals

Fig. 54: Measuring Voltage Between Acuralink Control Unit (XM Receiver) Connector A (20P) No. 2 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

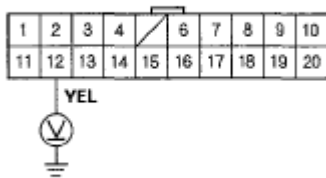
Is there battery voltage?

YES - Go to step 6.

NO - Repair open in the wire between fuse No. 32 (10A) in the driver's under-dash fuse/relay box and AcuraLink control unit (XM receiver) connector A (20P) No. 2 terminal.

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

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



Wire side of female terminals

Fig. 55: Measuring Voltage Between Acuralink Control Unit (XM Receiver) Connector A (20P) No. 12 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

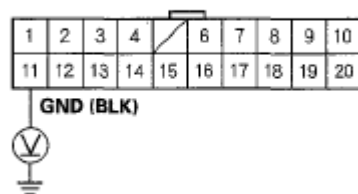
Is there battery voltage?

YES - Go to step 7.

NO - Repair open in the wire between fuse No. 21 (10A) in the driver's under-dash fuse/relay box and AcuraLink control unit (XM receiver) connector A (20P) No. 12 terminal.

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

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



Wire side of female terminals

Fig. 56: Measuring Voltage Between Acuralink Control Unit (XM Receiver) Connector A (20P) No. 11 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 0.1 V?

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YES - Go to step 9.

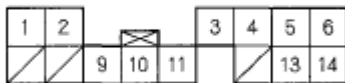
NO - Repair open in the wire between AcuraLink control unit (XM receiver) connector A (20P) No. 11 terminal and body ground (G602).

9. Disconnect audio unit connector C(14P), AcuraLink control unit (XM receiver) connector A (20P), navigation unit connector A (20P), and display panel control unit connector (20P).
10. Check for continuity between AcuraLink control unit (XM receiver) connector A (20P) and body ground according to the table. Then check for continuity between the same terminals listed in the table and the AcuraLink control unit (XM receiver) connector A (20P) No. 18 terminal (the harness shield).

ACURALINK CONTROL UNIT (XM RECEIVER) CONNECTOR SPECIFICATIONS

AcuraLink control unit (XM receiver) connector	Wire color
A7	GRN
A17	RED

XM RECEIVER CONNECTOR A (14P)



Wire side of female terminals

Fig. 57: Identifying Acuralink Control Unit (XM Receiver) Connector A (20P) Wire Side Of Female Terminals

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Repair short in the appropriate wire between the audio unit and the AcuraLink control unit (XM receiver) or replace the appropriate shielded harness.

NO - Go to step 11.

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

ACURALINK CONTROL UNIT (XM RECEIVER) CONNECTOR SPECIFICATIONS

AcuraLink control unit {XM receiver) connector	Audio unit connector	Wire color
A7	C9	GRN
A17	C10	RED

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

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Wire side of female terminals

AUDIO UNIT CONNECTOR C (14P)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
15	16	17	18	19	20	21	22	23	24	25	26	27	28

Wire side of female terminals

Fig. 58: Identifying Acuralink Control Unit (XM Receiver) Connector A (20P) And Audio Unit Connector C (14P) Wire Side Of Female Terminals
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 12.

NO - Repair open in the appropriate wire between the audio unit and the AcuraLink control unit (XM receiver).

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

ACURALINK CONTROL UNIT (XM RECEIVER) CONNECTOR SPECIFICATIONS

AcuraLink control unit (XM receiver) connector	Navigation unit connector	Wire color
A7	A10	GRN
A17	A20	RED

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

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Wire side of female terminals

NAVIGATION UNIT CONNECTOR A (20P)

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Wire side of female terminals

Fig. 59: Identifying Acuralink Control Unit (XM Receiver) Connector A (20P) And Navigation Unit Connector A (20P) Wire Side Of Female Terminals
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 13.

NO - Repair open in the appropriate wire between the navigation unit and the AcuraLink control unit

(XM receiver).

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

ACURALINK CONTROL UNIT (XM RECEIVER) CONNECTOR SPECIFICATIONS

AcuraLink control unit (XM receiver) connector	Display panel control unit connector	Wire color
A7	5	GRN
A17	15	RED

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

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Wire side of female terminals

DISPLAY UNIT 20P CONNECTOR

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Wire side of female terminals

Fig. 60: Identifying Acuralink Control Unit (XM Receiver) Connector A (20P) And Display Panel Control Unit (20P) Connector (Wire Side Of Female Terminals)
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/indicated goes away, update the AcuraLink control unit if it does not have the latest software, then recheck. If the software is the latest, replace the AcuraLink control unit (see **ACURALINK CONTROL UNIT (XM RECEIVER)**

REMOVAL/INSTALLATION). If the symptom/indicated is still present replace the audio unit.

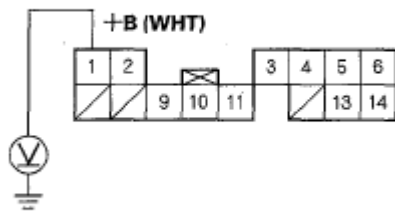
NO - Repair open in the appropriate wire between the display panel control unit and the AcuraLink control unit (XM receiver).

XM RADIO DISPLAY IS BLANK AND NO STATION INFORMATION IS DISPLAYED (WITHOUT ACURALINK)

NOTE:

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

1. Turn the ignition switch to LOCK (0).
2. Disconnect XM receiver connector A (14P).
3. Measure the voltage between XM receiver connector A (14P) No. 1 terminal and body ground.

XM RECEIVER CONNECTOR A (14P)

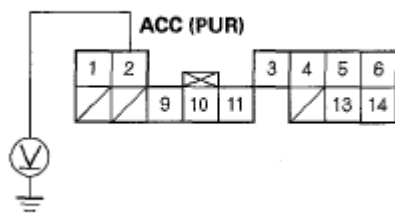
Wire side of female terminals

Fig. 61: Measuring Voltage Between XM Receiver Connector A (14P) No. 1 Terminal 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 fuse No. 5 (7.5A) in the driver's under-dash fuse/relay box and XM receiver connector A (14P) No. 1 terminal.

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

XM RECEIVER CONNECTOR A (14P)

Wire side of female terminals

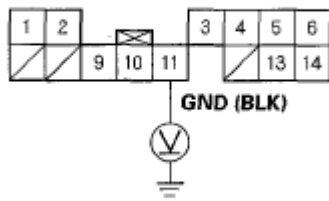
Fig. 62: Measuring Voltage Between XM Receiver Connector A (14P) No. 2 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

*Is there battery voltage?***YES** - Go to step 6.**NO** - Repair open in the wire between audio unit connector C (14P) No. 2 terminal and XM receiver connector A (14P) No. 2 terminal.

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

XM RECEIVER CONNECTOR A (14P)



Wire side of female terminals

Fig. 63: Measuring Voltage Between XM Receiver Connector A (14P) No. 11 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 0.1 V?

YES - Go to step 8.

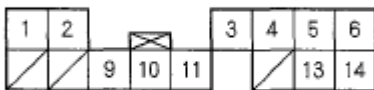
NO - Repair open in the wire between XM receiver connector A (14P) No. 11 terminal and body ground (G602).

8. Turn the ignition switch to LOCK (0).
9. Disconnect audio unit connector C (14P), XM receiver connector A (14P), navigation unit connector A (20P), and the display panel control unit connector (20P).
10. Check for continuity between XM receiver connector A (14P) and body ground according to the table. Then check for continuity between the same terminals listed in the table and the XM receiver connector A (20P) No. 18 terminal (the harness shield).

XM RECEIVER CONNECTOR SPECIFICATIONS

XM receiver connector	Wire color
A9	GRN
A10	RED

XM RECEIVER CONNECTOR A (14P)



Wire side of female terminals

Fig. 64: Identifying XM Receiver Connector A (14P) Wire Side Of Female Terminals

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Repair short in the appropriate wire between the audio unit and the XM receiver or replace the appropriate shielded harness.

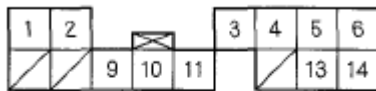
NO - Go to step 11.

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

XM RECEIVER CONNECTOR SPECIFICATIONS

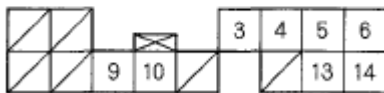
XM receiver connector	Audio unit connector	Wire color
A9	C9	GRN
A10	C10	RED

XM RECEIVER CONNECTOR A (14P)



Wire side of female terminals

AUDIO UNIT CONNECTOR C (14P)



Wire side of female terminals

Fig. 65: Identifying XM Receiver Connector A (14P) And Audio Unit Connector C (14P) Wire Side Of Female Terminals

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 12.

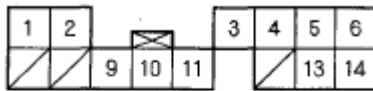
NO - Repair open in the appropriate wire between the audio unit and the XM receiver.

12. Check for continuity between XM receiver connector A (14P) and navigation unit connector A (20P) according to the table.

XM RECEIVER CONNECTOR SPECIFICATIONS

XM receiver connector	Navigation unit connector	Wire color
A9	A10	GRN
A10	A20	RED

XM RECEIVER CONNECTOR A (14P)



Wire side of female terminals

NAVIGATION UNIT CONNECTOR A (20P)



Wire side of female terminals

Fig. 66: Identifying XM Receiver Connector A (14P) And Navigation Unit Connector A (20P) Wire Side Of Female Terminals

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 13.

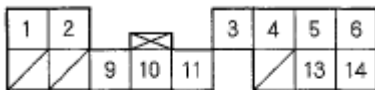
NO - Repair open in the appropriate wire between navigation unit and the XM receiver.

13. Check for continuity between XM receiver connector A (14P) and the display panel control unit (20P) connector according to the table.

XM RECEIVER CONNECTOR SPECIFICATIONS

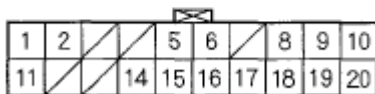
XM receiver connector	Display panel control unit connector	Wire color
A9	5	GRN
A10	15	RED

XM RECEIVER CONNECTOR A (14P)



Wire side of female terminals

DISPLAY UNIT 20P CONNECTOR



Wire side of female terminals

Fig. 67: Identifying XM Receiver Connector A (14P) And Display Panel Control Unit (20P) Connector (Wire Side Of Female Terminals)

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/indicated goes away, replace the original XM receiver. If the symptom/indicated is still present replace the audio unit.

NO - Repair open in the appropriate wire between the display panel control unit and the XM receiver.

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

NOTE:

- **Check the vehicle battery condition first.**
- **Always check the connectors for poor connection 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 CD).

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 quality is poor only with the XM radio, or the XM radio does not function, go to **POOR OR NO SOUND WITH THE XM RADIO** .
- If the sound quality is poor only with AM or FM, go to **POOR RADIO RECEPTION OR INTERFERENCE** .
- If the sound is poor in all modes, go to **SOUND QUALITY DIAGNOSIS** .

XM RADIO PRESET MEMORY IS LOST (WITH ACURALINK)

NOTE:

- **Check the vehicle battery condition first.**
- **Always check the connectors for poor connections or loose terminals.**
- **If you replace the AcuraLink control unit (XM receiver), the AcuraLink must be reactivated by Acura Client Services.**
- **If you can only tune to channel 000, 001, 174, and 247, make sure the audio unit is set to channel mode (see owners manual), if it is set to channel mode, call XM Satellite Radio customer support and check the account activation status.**

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

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

YES - Go to step 3.

NO - Go to step 7.

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 - Go to step 5.

5. Turn the ignition switch to LOCK (0).
6. Disconnect AcuraLink control unit (XM receiver) connector A (20P)
7. Measure the voltage between AcuraLink control unit (XM receiver) connector A (20P) No. 1 terminal and body ground.

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

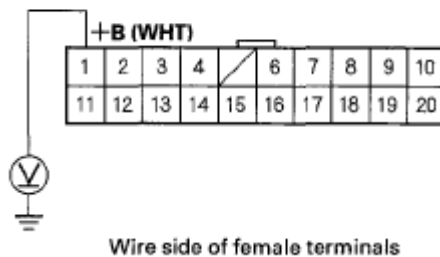


Fig. 68: Measuring Voltage Between Acuralink Control Unit (XM Receiver) Connector A (20P) No. 1 Terminal And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES - Go to step 8.

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

8. Turn the ignition switch to ON (II).
9. Measure the voltage between AcuraLink control unit (XM receiver) connector A (20P) No. 2, and No. 12 terminals and body ground individually.

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

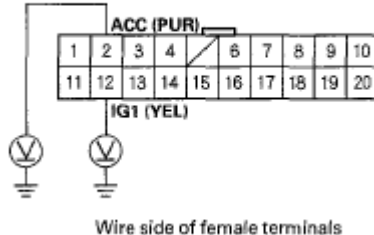


Fig. 69: Measuring Voltage Between Acuralink Control Unit (XM Receiver) Connector A (20P) No. 2, 12 Terminals And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

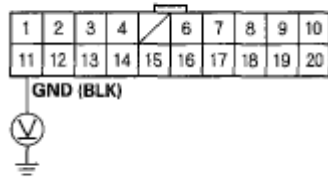
Is there battery voltage?

YES - Go to step 10.

NO - Repair open in the wire between the driver's under-dash fuse/relay box and AcuraLink control unit (XM receiver) connector A (20P) No. 2 and No. 12 terminals.

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

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



Wire side of female terminals

Fig. 70: Measuring Voltage Between Acuralink Control Unit (XM Receiver) Connector A (20P) No. 11 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there less than 0.1 V?

YES - Replace the AcuraLink control unit (XM receiver).

NO - Repair open in the wire between audio unit connector A (20P) No. 11 terminal and body ground (G602).

XM RADIO PRESET MEMORY IS LOST (WITHOUT ACURALINK)

NOTE:

- Always check the connectors for poor connections or loose terminals.
- Check the vehicle battery condition first.
- If you can only tune to channel 000, 001, 174, and 247, make sure the audio unit is set to channel mode (see owner's manual), if it is set to channel mode, call XM radio client support and check the account activation status.

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

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

YES - Go to step 3.

NO - Go to step 7.

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.

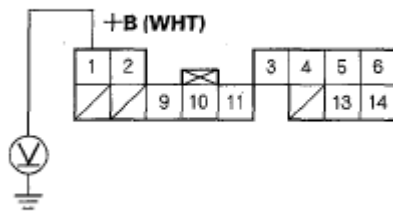
Do the preset buttons recall the set radio stations?

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

NO - Go to step 5.

5. Turn the ignition switch to LOCK (0).
6. Disconnect XM receiver connector A (14P)
7. Measure the voltage between XM receiver connector A (14P) No. 1 terminal and body ground.

XM RECEIVER CONNECTOR A (14P)



Wire side of female terminals

Fig. 71: Measuring Voltage Between XM Receiver Connector A (14P) No. 1 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

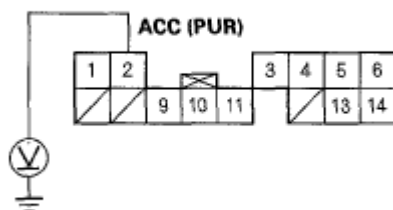
Is there battery voltage?

YES - Go to step 8.

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

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

XM RECEIVER CONNECTOR A (14P)

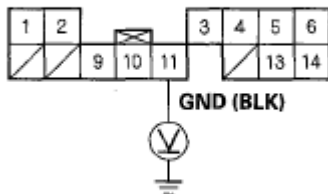


Wire side of female terminals

Fig. 72: Measuring Voltage Between XM Receiver Connector A (14P) No. 2 Terminal And Body

Ground**Courtesy of AMERICAN HONDA MOTOR CO., INC.***Is there battery voltage?***YES** - Go to step 10.**NO** - Repair open in the wire between the driver's under-dash fuse/relay box and XM receiver connector A (14P) No. 2 terminal.

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

XM RECEIVER CONNECTOR A (14P)

Wire side of female terminals

Fig. 73: Measuring Voltage Between XM Receiver Connector A (14P) No. 11 Terminal And Body Ground**Courtesy of AMERICAN HONDA MOTOR CO., INC.***Is there less than 0.1 V?***YES** - Replace the XM receiver.**NO** - Repair open in the wire between audio unit connector A (14P) No. 11 terminal and body ground (G602).**AUDIO DISC DOES NOT EJECT****NOTE:**

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

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

*Does the system turn on?***YES** - Go to step 3.

NO - Go to **POWER SWITCH WILL NOT TURN ON**.

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

Does the disc eject properly?

YES - Operation is normal.

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

RADIO PRESET MEMORY IS LOST

NOTE:

- Check the vehicle battery condition first.
- Always check the connectors for poor connections or loose terminals.
- If only XM stations are lost, go to **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.

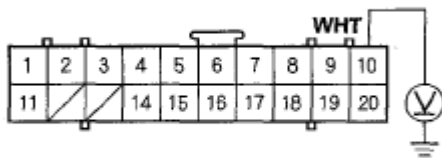
Does each button set properly?

YES - Go to step 4.

NO - Go to step 3.

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

AUDIO UNIT CONNECTOR A (20P)



Wire side of female terminals

Fig. 74: Measuring Voltage Between Audio Unit Connector A (20P) No. 10 Terminal 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 the No. 5 (7.5A) fuse and driver's under-dash fuse/relay box and audio unit connector A (20P) No. 10 terminal.

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

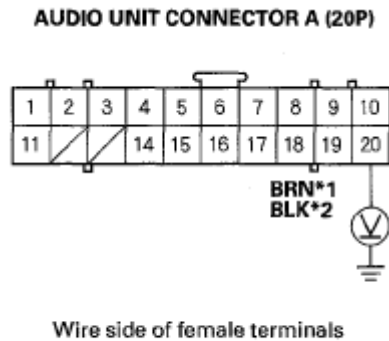


Fig. 75: Measuring Voltage Between Audio Unit Connector A (20P) No. 20 Terminal And Body Ground

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 audio unit connector A (20P) No. 20 terminal and body ground (G504).

6. Turn the ignition switch to LOCK (0) for 1 minute, then turn it back to ON (II).
7. Test 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**).

AUDIO UNIT BUTTON ILLUMINATION DOES NOT WORK

NOTE:

- **Check the vehicle battery condition first.**
- **Always 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 problem: 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. Start by checking the No. 7 (7.5A) fuse in the passenger's under-dash fuse/relay box. If the fuse is OK, check for an open in the wire between the passenger's under-dash fuse/relay box and the audio unit.

5. Turn the ignition switch to LOCK (0).
6. Disconnect audio unit connector A (20P).

NOTE: **Eject all the CDs before removing the audio unit and CD changer to prevent damaging the CD player's load mechanism.**

7. Disconnect gauge control module connector A (20P).
8. Check for continuity between audio unit connector A (20P) No. 19 terminal and gauge control module connector A (20P) No. 1 terminal.

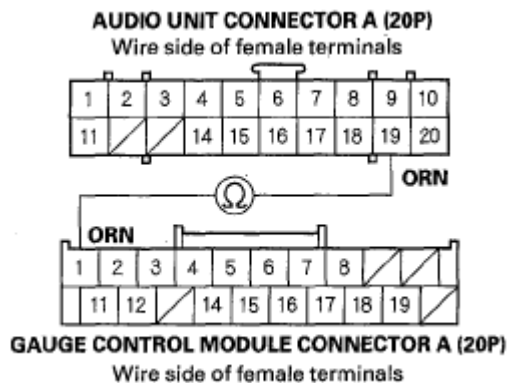


Fig. 76: Checking Continuity Between No. 19 Terminal And No. 1 Terminal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

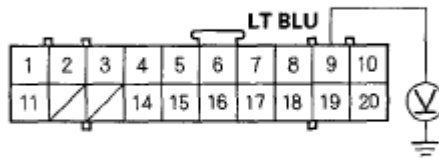
Is there continuity?

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) No. 9 terminal and body ground.

AUDIO UNIT CONNECTOR A (20P)



Wire side of female terminals

Fig. 77: Measuring Voltage Between Audio Unit Connector A (20P) No. 9 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there battery voltage?

YES - Check the connections at audio unit connector A (20P). If all connections are OK, replace the audio unit.

NO - Repair open in the wire between the passenger's under-dash fuse/relay box and the audio unit.

AUDIO DISC CHANGER DOES NOT LOAD ALL SIX DISCS

NOTE:

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

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

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 loading the disc player with six known-good discs.

Does the audio unit/CD changer accept all six discs?

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

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

AUDIO DISC CHANGER DOES NOT MOVE BETWEEN DISCS

NOTE:

- Disc labels should not be used in the audio unit. They may damage the

player mechanism.

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

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

Does the 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.

Does the changer operate normally?

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

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

VOLUME DOES NOT CHANGE

NOTE:

- **Set the fader and balance positions to the center.**
- **Check the vehicle battery condition first.**
- **Always check the connectors for poor connection 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 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 SPEAKER(S)** .

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

Does the volume 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.**
- **Always check the connectors for poor connection or loose terminals.**

1. Turn the ignition switch to ON (II).
2. Turn on the audio unit and check the audio information on the display panel.

Does the audio information display properly?

YES - Go to step 3.

NO - Go to **POWER SWITCH WILL NOT TURN ON** .

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

Does the radio station change?

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

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

AUDIO DISC DOES NOT LOAD

NOTE:

- **Check the vehicle battery condition first.**
- **Always check the connectors for poor connection or loose terminals.**
- **Disc labels should not be used in the audio unit. They may damage the player mechanism.**
- **Make sure the CD is compatible with the system (see 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 to see if the symptom can be duplicated.

Does the disc load?

YES - Operation is normal. If the disc loads normally, but will not play, go to **DISC DOES NOT PLAY** .

NO - Go to step 3.

3. Insert another disc.

Does the disc load?

YES - The original disc is faulty.

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

Special tools required

Diagnostics CD 07AAZ-SDBA100

AUDIO DISC DOES NOT PLAY

NOTE:

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

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

Does the disc load?

YES - Go to step 3.

NO - Go to **DISC DOES NOT LOAD** .

3. Insert another disc to see if the symptom can be duplicated.

Does the disc play?

YES - Operation is normal.

NO - Go to step 4.

4. Insert audio diagnostic CD (T/N 07AAZ-SDBA100) in the audio unit.

Does the disc play?

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

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

Special tools required

- Diagnostics CD 07AAZ-SDBA100
- Skip test CD 07AAZ-SDBA200
- Skip test CD 07AAZ-SDBA300

AUDIO DISC SKIPS

NOTE:

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

1. Turn the ignition switch to ON (II).
2. Confirm the vehicles tires are properly inflated.

3. Check the client's disc for scratches and fingerprints.

NOTE: **The following test should be done with the audio unit bass and treble set to the client's listening settings. When comparing to known-good vehicles, the comparison should be done on the same model and trim level:**

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

Does the disc skip?

YES - Go to step 5.

NO - Operation is normal.

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

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

YES - The disc player operation is normal, the problem is with the client's disc.

NO - Go to step 6.

NOTE: **The following test should be done with vehicle parked and the engine running.**

6. Insert the diagnostic skip test disc (T/N 07AAZ-SDBA300). Play tracks 2-11, and note on which track number(s) the disc starts skipping. Do the same test on a known-good vehicle.

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

YES - Operation is normal.

NO - Go to step 7.

7. Insert the diagnostic skip test disc (T/N 07AAZ-SDBA200). Play tracks 7-11 and tracks 13-15 and note on which track number(s) where the disc starts skipping. Do the same test on a known-good vehicle.

Does the disc 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 REMOTE SWITCH DOES NOT WORK PROPERLY

NOTE:

- Check the vehicle battery condition first.
- Always 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 - Intermittent failure, the audio remote switch and audio unit are OK at this time.

NO - Go to step 2.

2. Turn the ignition switch to ON (II).
3. Turn on the audio unit and check the audio unit operation (volume up, volume down, CH (UP), CH (DOWN), MODE).

Is the audio unit operation OK?

YES - Operation is normal.

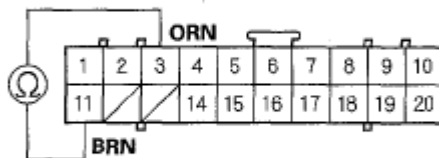
NO - Go to step 4.

4. Remove the audio unit (see **AUDIO UNIT REMOVAL/INSTALLATION**).
5. Disconnect the audio unit connector A (20P).

NOTE: Eject all the CDs before removing the audio unit and CD changer to prevent damaging the CD player's load mechanism.

6. Reconnect the audio remote switch, and measure the resistance between audio unit connector A (20P) No. 3 and No. 11 terminals as specified in the table.

AUDIO UNIT CONNECTOR A (20P)



Wire side of female terminals

Fig. 78: Measuring Resistance Between Audio Unit Connector A (20P) No. 3 And No. 11 Terminals

Courtesy of AMERICAN HONDA MOTOR CO., INC.

AUDIO REMOTE SWITCH TABLE

AUDIO REMOTE SWITCH CHART

Button held						

2007 Acura RL

2005-08 ACCESSORIES AND EQUIPMENT Audio System - RL

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	10 kohms

Is the resistance OK?

YES - Go to step 7.

NO - Repair open or high resistance in the circuit between the audio unit and the audio remote switch. If the wires are OK, replace the cable reel (see **CABLE REEL REPLACEMENT**).

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

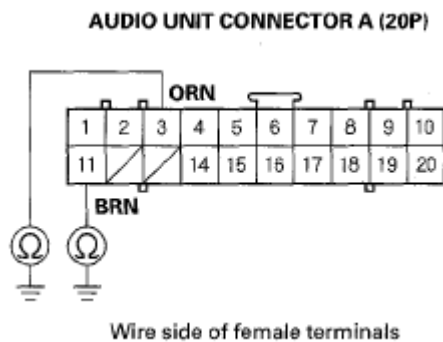


Fig. 79: Checking Continuity Between Body Ground And No. 3, 11 Terminals
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Repair the short to body ground in the circuit 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**).

ERROR CODE: XM NO SIGNAL IS DISPLAYED

NOTE:

- Check the vehicle battery condition first.
- Always check the connectors for poor connection 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.

[] : without AcuraLink

1. Park vehicle outside with a clear view of the southern horizon.

Does the XM radio receive a signal?

YES - Reception interference operation is normal.

NO - Go to step 2.

2. Check the XM antenna connector C(2P) [or B UP)] at AcuraLink control unit (XM receiver) [or XM receiver] and terrestrial and satellite antenna module.

Is the XM antenna connector C (2P) [or B(1P)] connected?

YES - Go to step 3.

NO - Reconnect the XM antenna receiver connector, recheck XM radio operation. If the signal is restored, the system is OK. If signal not restored go to step 3.

3. Substitute a known-good XM antenna.

Does the XM radio receive a signal?

YES - Replace XM antenna.

NO - Substitute a known-good XM antenna lead. If the XM radio receives a normal signal, replace original XM antenna lead.

ERROR CODE: XM ANTENNA IS DISPLAYED

NOTE:

- **Check the vehicle battery condition first.**
- **Always check the connectors for poor connection or loose terminals.**
- **If you replace the AcuraLink control unit (XM receiver), the AcuraLink must be reactivated by Acura Client Services.**

[] : without AcuraLink

1. Check the connector at the AcuraLink control unit (XM receiver) [or XM receiver].

Is the connector connected?

YES - Go to step 2

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

2. Check the connector at the XM terrestrial and satellite antenna module (GPS antenna).

Is the connector connected?

YES - Go to step 3.

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

3. Check the pin locations in the AcuraLink control unit (XM receiver) [or XM receiver] connector and

the XM antenna module connectors.

Are the pins in the correct locations?

YES - Go to step 4.

NO - Correct the pin locations. If the error message does not go away, go to step 4.

4. Substitute a known-good XM terrestrial and satellite antenna module.

Is the error message gone?

YES - Replace the XM terrestrial and satellite antenna module.

NO - Go to step 5.

5. Substitute a known-good AcuraLink control unit (XM receiver) [or XM receiver].

Is the error message gone?

YES - Update the AcuraLink control unit if it does not have the latest software, then recheck. If the software is the latest, replace the AcuraLink control unit (see **ACURALINK CONTROL UNIT (XM RECEIVER) REMOVAL/INSTALLATION**) [or XM receiver].

NO - Replace the XM antenna lead.

BOOMING SOUND WHILE DRIVING WITH AUDIO UNIT ON OR OFF

NOTE: **Always 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 heard from the speakers?

YES - Go to step 3.

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

3. Open the driver's door, with the booming sound present.

Is the booming sound 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. Perform the self-diagnostic function (see **SELF-DIAGNOSTIC FUNCTION**).
6. Press the "No. 1" button.

Is the low-frequency hum sound heard?

YES - Go to step 7.

NO - Go to step 29.

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 51.

NO - Go to step 8.

8. Check for the No. 32 (10A) and the No. 5 (7.5A) ('06-07 models) fuses in the driver's under-dash fuse/relay box.

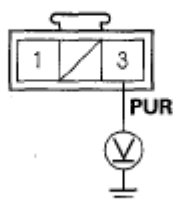
Is the fuse OK?

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 connector B (3P) and active noise control rear microphone connector B (3P).
11. Turn the ignition switch ON (II).
12. Measure the voltage between active noise control front and rear microphone connector B (3P) No. 3 terminal and body ground.

**ACTIVE NOISE CONTROL FRONT or
REAR MICROPHONE CONNECTOR B (3P)**



Terminal side of male terminals

Fig. 80: Measuring Voltage Between No. 3 Terminal And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

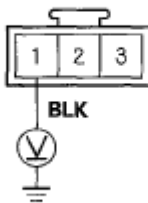
Is there battery voltage?

YES - Go to step 13.

NO - Repair open in the wire between the No. 32 (10A) fuse in the driver's under-dash fuse/relay box and active noise control front or rear microphone connector B (3P).

13. Reconnect active noise control front microphone connector B (3P) and active noise control rear microphone connector B (3P).
14. Measure the voltage between active noise control front and rear microphone connector B (3P) No. 1 terminal and body ground.

**ACTIVE NOISE CONTROL FRONT or
REAR MICROPHONE CONNECTOR B (3P)**



Terminal side of male terminals

Fig. 81: Measuring Voltage Between No. 1 Terminal And Body Ground
Courtesy of AMERICAN HONDA MOTOR CO., INC.

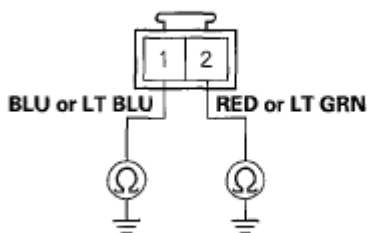
Is there less than 0.1 V?

YES - Go to step 15.

NO - Repair open in the wire between active noise control front or rear microphone connector B (3P) No. 1 terminal and body ground (G652).

15. Turn the ignition switch to LOCK (0).
16. Disconnect active noise control front microphone connector A (2P) and active noise control rear microphone connector A (2P), active noise control unit connector (16P), and stereo amplifier connector C (23P).
17. Check for continuity between body ground and active noise control front and rear microphone connector A (2P) No. 1 and No. 2 terminals individually.

**ACTIVE NOISE CONTROL FRONT or
REAR MICROPHONE CONNECTOR A (2P)**



Terminal side of male terminals

Fig. 82: Checking Continuity Between Body Ground And No. 1, 2 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 connector A (2P) No. 1 and No. 2 terminals.

NO - Go to step 18.

18. Reconnect the active noise control front and rear microphone control unit, and stereo amplifier connectors.
19. Turn the ignition switch to ON (II).
20. Measure the voltage between the body ground and active noise control front or rear microphone connector A (2P) No. 1 and No. 2 terminals individually while lightly tapping the microphones.

**ACTIVE NOISE CONTROL FRONT or
REAR MICROPHONE CONNECTOR A (2P)**

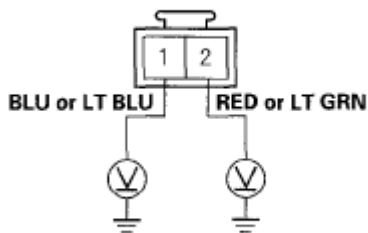


Fig. 83: Measuring Voltage Between Body Ground And No. 1, 2 Terminals
Courtesy of AMERICAN HONDA MOTOR CO., INC.

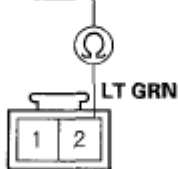
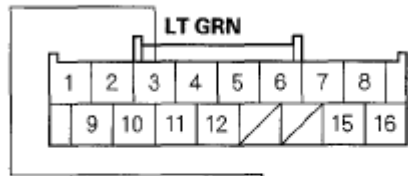
Does the voltage fluctuate when you tap on the microphones?

YES - Go to step 21.

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

21. Turn the ignition switch to LOCK (0).
22. Disconnect the active noise control unit 16P connector.
23. Disconnect active noise control front microphone connector A (3P).
24. Check for continuity between the active noise control unit 16P connector No. 3 terminal and active noise control front microphone connector A (2P) No. 2 terminal.

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



ACTIVE NOISE CONTROL FRONT MICROPHONE CONNECTOR A (2P)
Terminal side of male terminals

Fig. 84: Checking Continuity Between No. 3 Terminal And No. 2 Terminal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

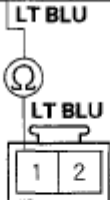
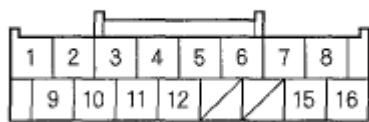
Is there continuity?

YES - Go to step 25.

NO - Repair open in the wire between the active noise control unit 16P connector No. 3 terminal and active noise control front microphone connector A (2P) No. 2 terminal.

25. Check for continuity between the active noise control unit 16P connector No. 11 terminal and active noise control front microphone connector A (2P) No. 1 terminal.

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



ACTIVE NOISE CONTROL FRONT MICROPHONE CONNECTOR A (2P)
Terminal side of male terminals

Fig. 85: Checking Continuity Between No. 11 Terminal And No. 1 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. 11 terminal and active noise control front microphone connector A (2P) No. 1 terminal.

26. Disconnect active noise control rear microphone connector A (2P) and stereo amplifier connector C (23P).
27. Check for continuity between the active noise control unit 16P connector No. 4 terminal and active noise control rear microphone connector A (2P) No. 2 terminal.

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

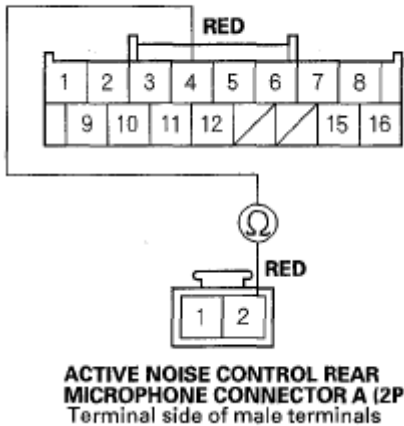


Fig. 86: Checking Continuity Between No. 4 Terminal And No. 2 Terminal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 28.

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

28. Check for continuity between the active noise control unit 16P connector No. 5 terminal and active noise control rear microphone connector A (2P) No. 1 terminal.

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

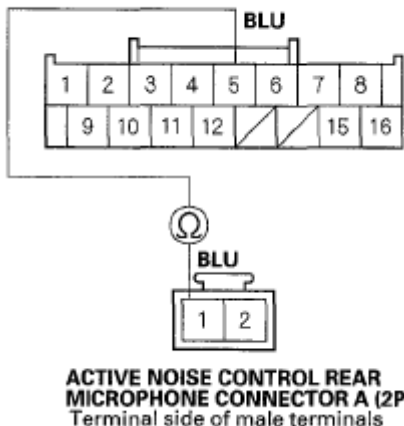


Fig. 87: Checking Continuity Between No. 5 Terminal And No. 1 Terminal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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 connector A (2P) No. 1 terminal.

29. Check for the No. 32 (10A) and the No. 5 (7.5A) ('06-07 models) fuses in the driver's under-dash fuse/relay box.

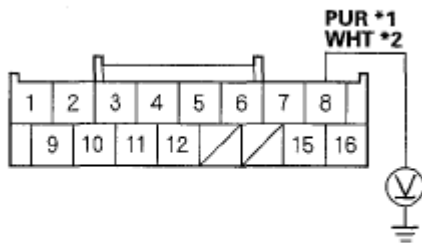
Are the fuses OK?

YES - Go to step 30.

NO - Replace the fuse, and recheck.

30. Disconnect the active noise control unit 16P connector.
31. Measure the voltage between the active noise control unit 16P connector No. 8 terminal and body ground.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR



Wire side of female terminals

*1: '05 model
*2: '06-08 models

Fig. 88: Measuring Voltage Between Active Noise Control Unit 16P Connector No. 8 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

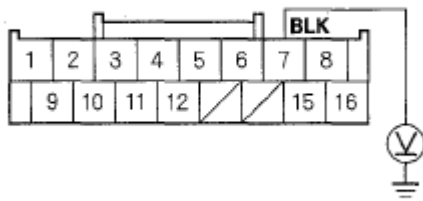
Is there battery voltage?

YES - Go to step 32.

NO - Repair open in the wire between the No. 32 (10A) fuse ('05 model) or No. 5 (7.5A) fuse ('06-08 models) in the driver's under-dash fuse/relay box and the active noise control unit 16P connector No. 8 terminal.

32. Reconnect the active noise control unit (16P) connector.
33. Turn the ignition switch ON (II).
34. Measure the voltage between the active noise control unit 16P connector No. 7 terminal and body ground.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR



Wire side of female terminals

Fig. 89: Measuring Voltage Between Active Noise Control Unit 16P Connector No. 7 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

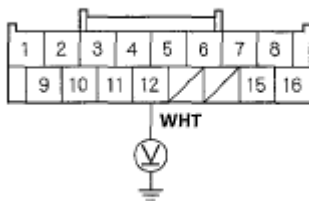
Is there less than 0.1V?

YES - Go to step 35.

NO - Repair open in the wire between the active noise control unit 16P connector No. 7 terminal and body ground (G652).

35. Reconnect the active noise control unit 16P connector.
36. Perform the self-diagnostic function (see **SELF-DIAGNOSTIC FUNCTION**).
37. Press the "No. 1" button.
38. Measure the voltage between the active noise control unit 16P connector No. 12 terminal and body ground.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR



Wire side of female terminals

Fig. 90: Measuring Voltage Between Active Noise Control Unit 16P Connector No. 12 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there about 5 V?

YES - Go to step 44.

NO - Go to step 39.

39. Turn the ignition switch to LOCK (0).
40. Disconnect the active noise control unit 16P connector and stereo amplifier connector A (26P).
41. Check for continuity between the active noise control unit 16P connector No. 12 terminal and stereo

amplifier connector A (26P) No. 18 terminal.

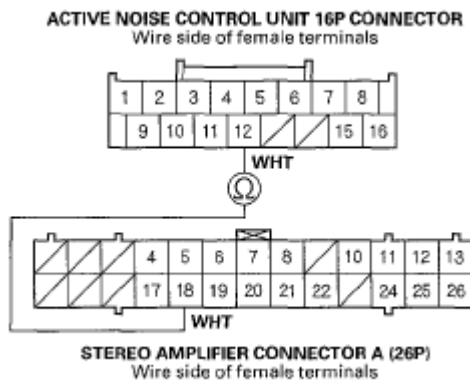


Fig. 91: Checking Continuity Between No. 12 Terminal And Stereo Amplifier Connector A (26P) No. 18 Terminal

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 42.

NO - Repair open in the wire between the active noise control unit 16P connector No. 12 terminal and stereo amplifier connector A (26P) No. 18 terminal.

42. Check for continuity between body ground and the active noise control unit 16P connector No. 12 terminal.

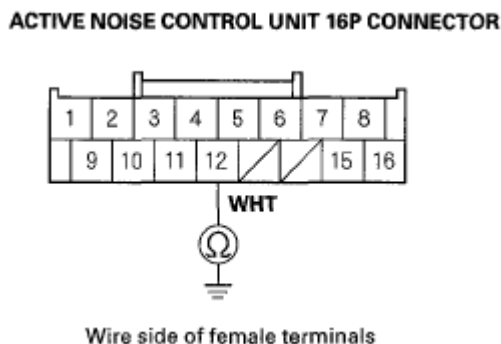


Fig. 92: Checking Continuity Between Body Ground And Active Noise Control Unit 16P Connector No. 12 Terminal

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. 12 terminal and stereo amplifier connector A (26P) No. 18 terminal.

NO - Replace the stereo amplifier (see **STEREO AMPLIFIER REMOVAL/INSTALLATION**).

43. Reconnect the active noise control unit (16P) connector.

44. Do the self-diagnostic function (see **SELF-DIAGNOSTIC FUNCTION**).
45. Press and release the "No. 1" button.
46. Measure the voltage between the active noise control unit 16P connector No. 2 terminal and body ground.

ACTIVE NOISE CONTROL UNIT 16P CONNECTOR

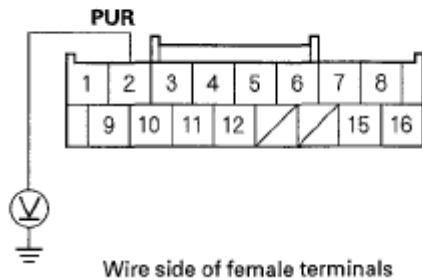


Fig. 93: Measuring Voltage Between Active Noise Control Unit 16P Connector No. 2 Terminal And Body Ground

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there about 2.5 V?

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

NO - Go to step 47.

47. Turn the ignition switch to LOCK (0).
48. Disconnect the active noise control unit 16P connector and stereo amplifier connector C (23P).
49. Check for continuity between the active noise control unit 16P connector and stereo amplifier connector C (23P).

16P:

No. 1

No. 2

No. 9

No. 10

23P:

No. 16

No. 14

No. 17

No. 15

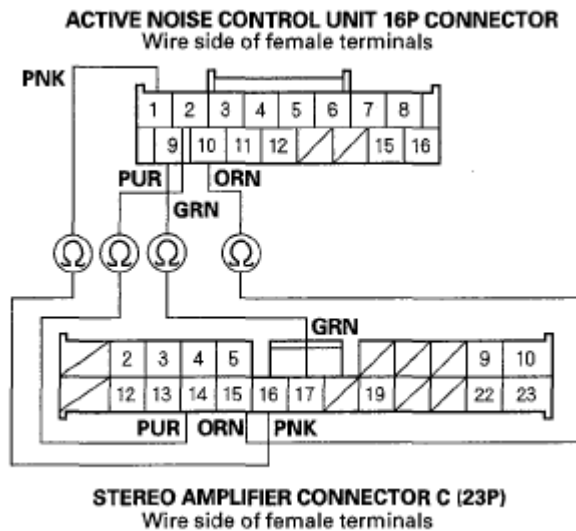


Fig. 94: Checking Continuity Between Active Noise Control Unit 16P Connector And Stereo Amplifier Connector C (23P)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 50.

NO - Repair open in the wire(s) between the active noise control unit 16P connector and stereo amplifier connector C (14P).

50. Check for continuity between body ground and active noise control unit 16P connector No. 1, 2, 9, and 10 terminals individually.

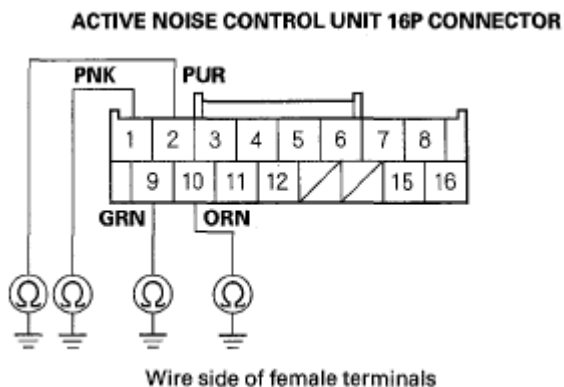


Fig. 95: Checking Continuity Between Body Ground And Active Noise Control Unit 16P Connector No. 1, 2, 9, And 10 Terminals

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 stereo

amplifier connector C (14P).

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

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

Can you hear the low-frequency hum ?

YES - Go to step 54.

NO - The system is OK.

54. Turn the ignition switch to LOCK (0).
55. Disconnect the active noise control unit 16P connector and PCM connector A (31P).
56. Check for continuity between the active noise control unit 16P connector No. 15 terminal and PCM connector A (31P) No. 23 terminal.

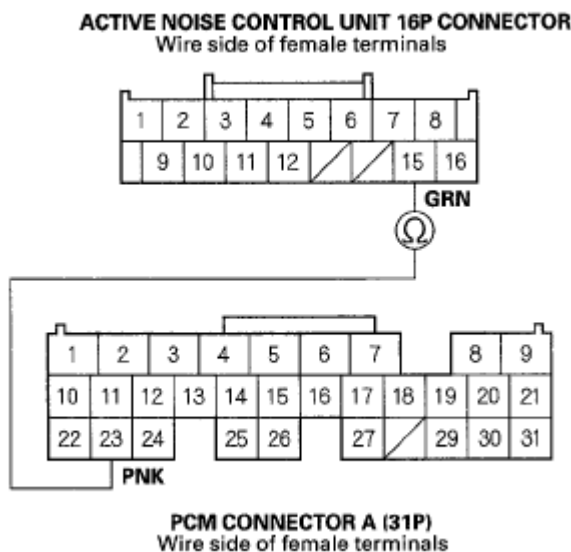


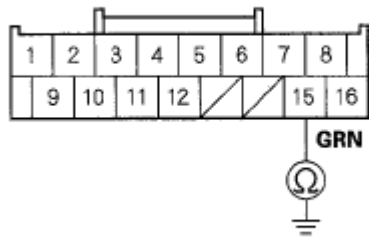
Fig. 96: Checking Continuity Between Active Noise Control Unit 16P Connector No. 15 Terminal And PCM Connector A (31P) No. 23 Terminal
Courtesy of AMERICAN HONDA MOTOR CO., INC.

Is there continuity?

YES - Go to step 57.

NO - Repair open in the wire between the active noise control unit 16P connector No. 15 terminal and PCM connector A (31P) No. 23 terminal.

57. Check for continuity 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. 97: Checking Continuity Between Active Noise Control Unit 16P Connector No. 15 Terminal 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. 15 terminal and PCM connector A (31P) No. 23 terminal.

NO - Replace the 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**.
 - 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** .
- 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** .
 - If the sound quality is OK, go to the **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**.
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 steps 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 radio reception or interference (see **POOR AM OR FM RADIO RECEPTION OR INTERFERENCE**).

AUDIO UNIT REMOVAL/INSTALLATION

SRS components are located in this area. Review the SRS component locations (see **COMPONENT LOCATION INDEX**), and the precautions and procedures (see **PRECAUTIONS AND PROCEDURES**) before doing repairs or service.

NOTE:

- Put on gloves to protect your hands.
- Take care not to scratch the dashboard and related parts.
- Lay a workshop towel under the parts when working on them to protect the face panel from scratches or other damage.
- Eject all the CDs before removing the audio unit to prevent damaging the CD 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 center console trim (see **CENTER TRIM REMOVAL/INSTALLATION**).
3. Remove the self tapping screws, then pull out the audio unit (A).

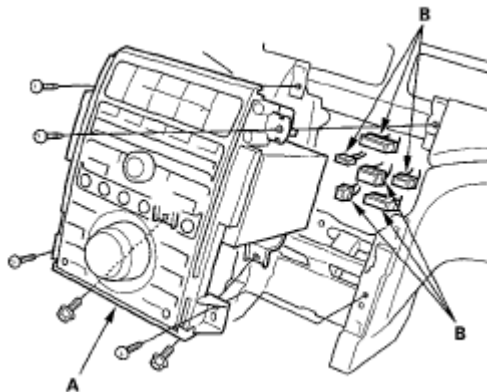


Fig. 98: Identifying Audio Unit And Connectors
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Disconnect the connectors (B), then remove the audio unit.
5. Remove the climate control unit (see **CLIMATE CONTROL UNIT REMOVAL/INSTALLATION**).
6. Remove the interface dial (see **NAVIGATION DISPLAY UNIT REMOVAL/INSTALLATION**).
7. Remove the screws and the audio unit (A) from the audio panel (B).

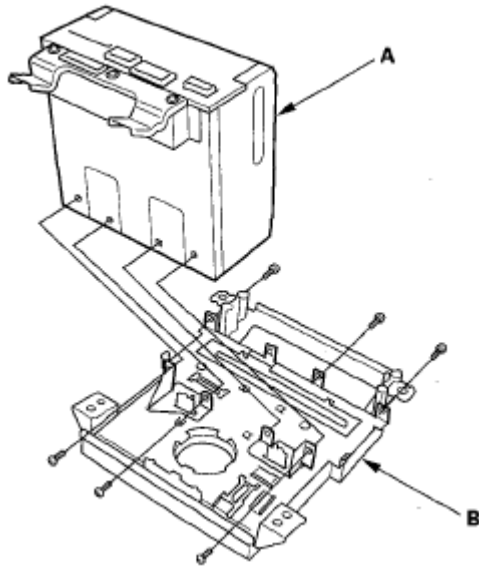


Fig. 99: Identifying Audio Unit And Audio Panel
Courtesy of AMERICAN HONDA MOTOR CO., INC.

8. Install the audio unit in the reverse order of removal, and note these items:
- Make sure all the connectors and the antenna lead are secure.
 - Enter the anti-theft codes for the audio system and the navigation system, and set the clock (on vehicles without navigation).
 - If necessary, enter the navigation system code.

AUDIO-HVAC SUBDISPLAY UNIT REMOVAL/INSTALLATION

NOTE:

- Put on gloves to protect your hands.
- Take care not to scratch the dashboard.

1. Remove the dashboard upper visor (A).

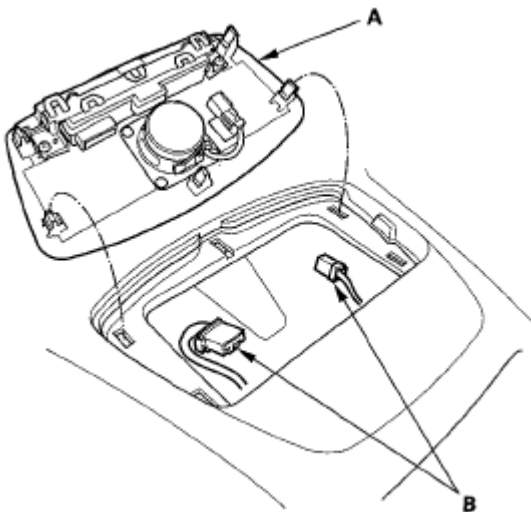


Fig. 100: Identifying Dashboard Upper Visor And Connectors

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Disconnect the connectors (B).
3. Remove the self-tapping screws and the audio-HVAC subdisplay unit (A).

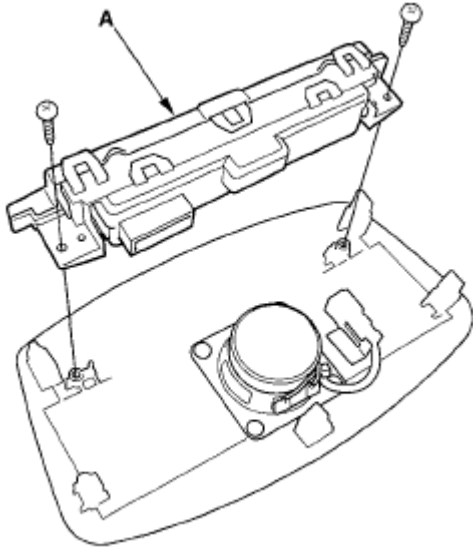


Fig. 101: Identifying Audio-HVAC Subdisplay Unit And Screws
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Install the display in the reverse order of removal.

SPEAKER REPLACEMENT

FRONT DOOR SPEAKER

1. Remove the front door panel (see **FRONT DOOR PANEL REMOVAL/INSTALLATION**).
2. Pull the speaker (A) straight out, just enough to release the upper clips. Then lift the speaker straight up to release the lower clips (B).

NOTE: If you pull the speaker out too far from the door, you will damage the lower clips.

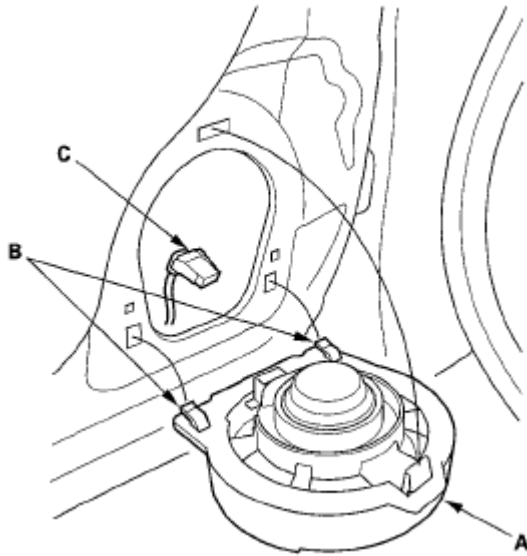


Fig. 102: Identifying Speaker, Lower Clips And 2P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the 2P connector (C), and remove the speaker.
4. Install the speaker in the reverse order of removal.

REAR DOOR SPEAKER

1. Remove the rear door panel (see **FRONT DOOR WEATHERSTRIP REPLACEMENT**).
2. Remove the three mounting screws from the rear speaker (A).

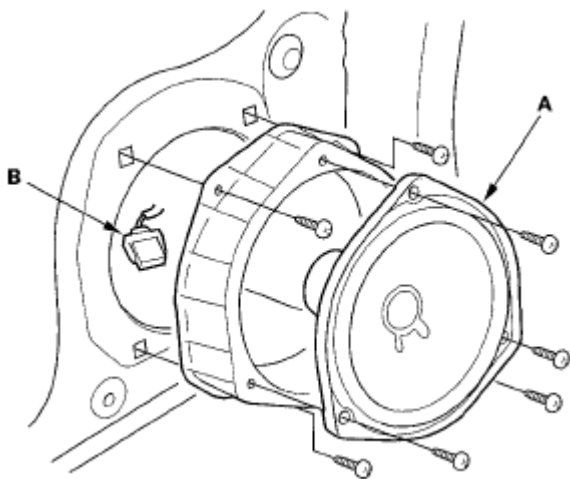


Fig. 103: Identifying Rear Speaker And 2P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the 2P connector (B), and remove the rear door speaker.
4. Install the speaker in the reverse order of removal.

FRONT DOOR TWEETER

1. Remove the front door sash inner trim (see **FRONT DOOR SASH INNER TRIM REPLACEMENT**).
2. Remove the screws and tweeter speaker (A) from the quarter inner trim (B).

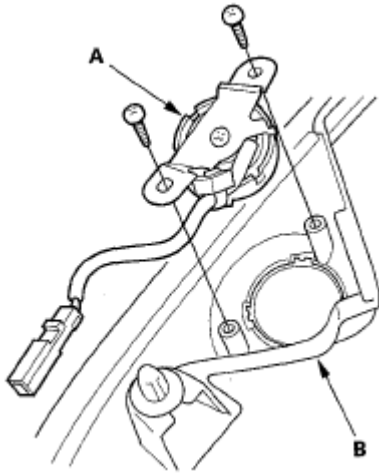


Fig. 104: Identifying Tweeter Speaker And Quarter Inner Trim
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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

REAR TWIDDLER

1. Remove the rear shelf (see **TRIM REMOVAL/INSTALLATION - REAR SHELF AREA**).
2. Disconnect the 2P connector (A), then remove the connector (B) from the rear twiddler bracket (C).

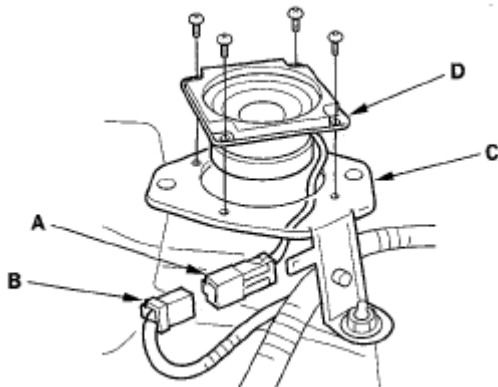


Fig. 105: Identifying Rear Twiddler Speaker And 2P Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the screws and the rear twiddler (D).
4. Install the speaker in the reverse order of removal.

FRONT CENTER SPEAKER

NOTE:

- Put on gloves to protect your hands.

- Take care not scratch the dashboard.

1. Remove the dashboard upper visor (A).

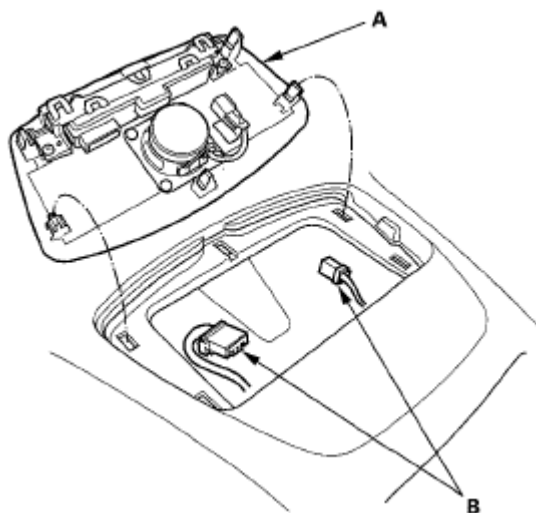


Fig. 106: Identifying Dashboard Upper Visor And Connectors
Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Disconnect the connectors (B).
3. Remove the screws, connector (A), and the front center speaker (B).

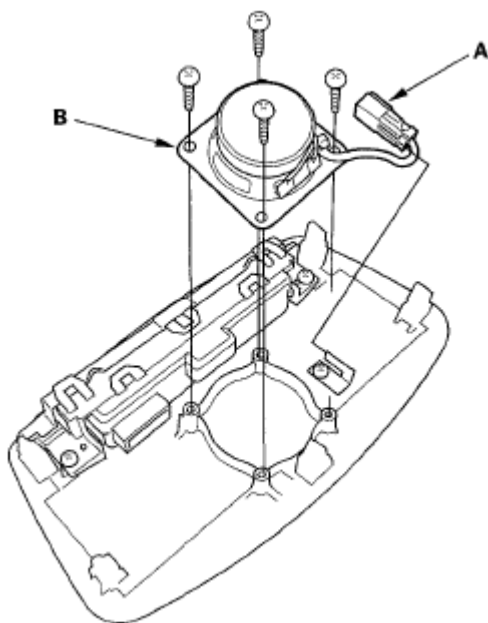


Fig. 107: Identifying Front Center Speaker And Connector
Courtesy of AMERICAN HONDA MOTOR CO., INC.

4. Install the speaker in the reverse order of removal.

SUBWOOFER

1. Remove the rear shelf (see **TRIM REMOVAL/INSTALLATION - REAR SHELF AREA**) and rear shelf undercover.
2. Disconnect the 2P connector (A), then remove connector clip (B) from the subwoofer duct (C).

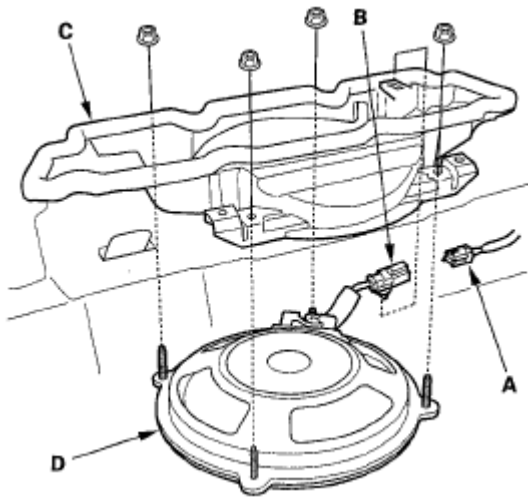


Fig. 108: Identifying Subwoofer And 2P Connector
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the nuts and the subwoofer (D).
4. Install the speaker in the reverse order of removal.

STEREO AMPLIFIER REMOVAL/INSTALLATION

1. Remove the right side trunk trim (see **TRIM REMOVAL/INSTALLATION - TRUNK AREA**).
2. Loosen and remove the mounting bolts, then pull out the stereo amplifier (A).

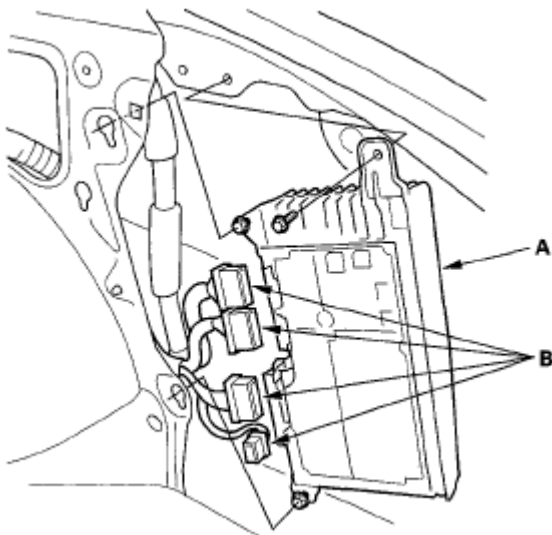


Fig. 109: Identifying Stereo Amplifier And Connectors
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Disconnect the connectors (B).
4. Install the stereo amplifier in the reverse order of removal.

ACURALINK CONTROL UNIT (XM RECEIVER) REMOVAL/INSTALLATION

NOTE: The AcuraLink must be reactivated by Acura Client Services when:

- The AcuraLink (XM) unit is replaced.
 - DATA RESET was selected while in the self-diagnostic function.
 - Vehicle ownership changes.
1. Remove the left side trunk trim (see **TRIM REMOVAL/INSTALLATION - TRUNK AREA**).
 2. Disconnect the antenna 2P connector (A) and 20P, 16P connectors (B) from the AcuraLink control unit (XM receiver) (C).

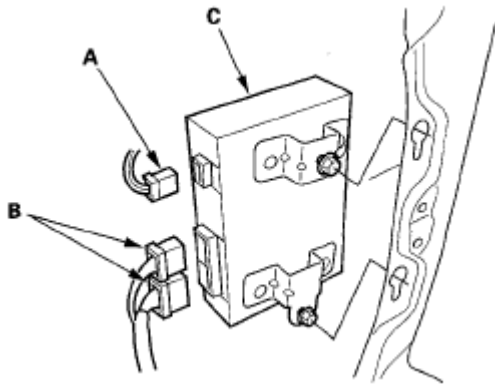


Fig. 110: Identifying Antenna 2P, 20P, 16P Connectors And Acuralink Control Unit (XM Receiver)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

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

NOTE: If you replaced the AcuraLink control unit, make sure it has the latest software (see **GENERAL TROUBLESHOOTING INFORMATION**).

5. Call XM Satellite Radio to update the client's account with the new XM/HIP serial number. Also call Acura Client Services to reactivate the AcuraLink.

XM RECEIVER REMOVAL/INSTALLATION

'07-08 MODELS

1. Remove the left side trunk trim (see **TRIM REMOVAL/INSTALLATION - TRUNK AREA**).
2. Disconnect the 2P connector (A) and 14P connector (B) from the XM receiver (C).

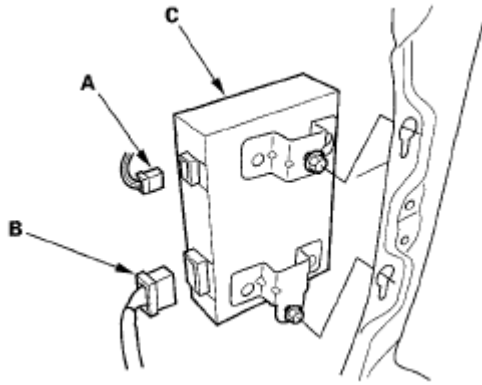


Fig. 111: Identifying 2P Connector, 14P Connector And XM Receiver
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Loosen the mounting bolts, then pull out the XM receiver.
4. Install the XM receiver in the reverse order of removal.

AUXILIARY JACK ASSEMBLY REPLACEMENT

'07-08 MODELS

1. Remove the console box mat, screws, and the auxiliary jack trim (see **CENTER CONSOLE REMOVAL/INSTALLATION**).
2. Remove the screws and the auxiliary jack assembly (A) from the auxiliary jack trim (B).

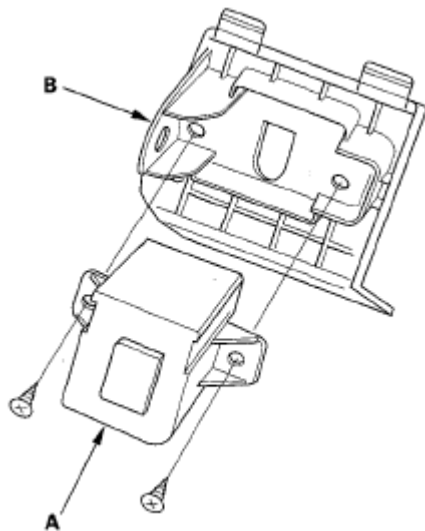


Fig. 112: Identifying Auxiliary Jack Assembly And Auxiliary Jack Trim
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

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

ACTIVE NOISE CONTROL UNIT REMOVAL/INSTALLATION

1. Remove the stereo amplifier (see **STEREO AMPLIFIER REMOVAL/INSTALLATION**).

2. Remove the screws and the active noise control unit (A).

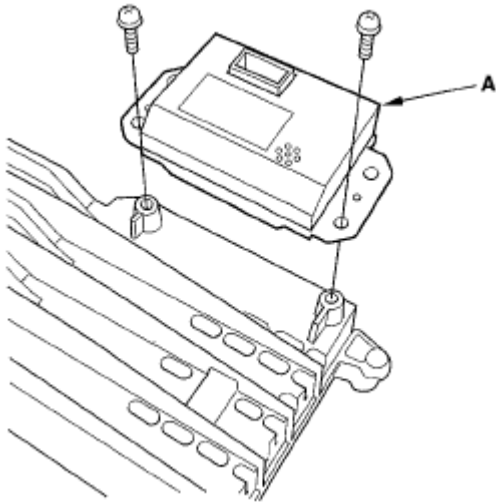


Fig. 113: Identifying Screws And Active Noise Control Unit
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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

ACTIVE NOISE CONTROL MICROPHONE REMOVAL/INSTALLATION

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

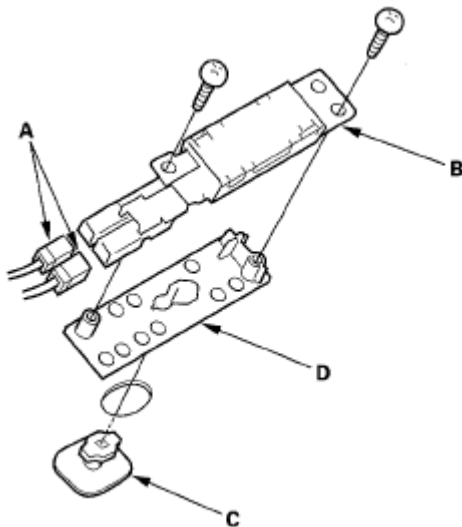


Fig. 114: Identifying Active Noise Control Microphone, Cap And Base
Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the cap (C) from the base (D).
4. Install the microphone in the reverse order of removal.

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.

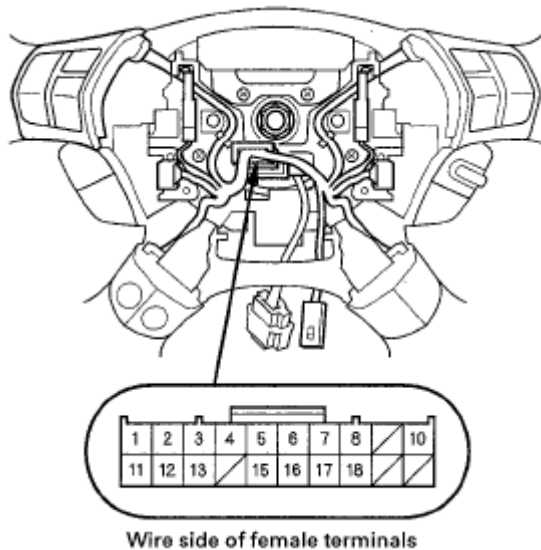


Fig. 115: Identifying Cable Reel 20P Connector
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Measure the resistance between the No. 7 and No. 8 terminals in each switch position according to the table.

RESISTANCE CHART

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

4. If the resistance is not as specified, replace the remote switch.
5. Use a diode tester between the terminals in each switch position (see **Fig. 116**).

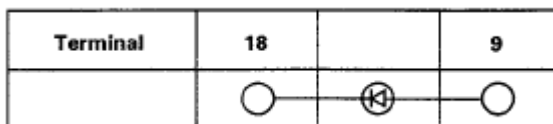


Fig. 116: Testing Remote Switch Using Diode Tester Between Terminals In Each Switch Position
 Courtesy of AMERICAN HONDA MOTOR CO., INC.

6. If the diode test is not as specified, replace the switch.

AM/FM ANTENNA AMPLIFIER REPLACEMENT

1. Remove the C-pillar trim (see **C-PILLAR TRIM**).
2. Disconnect the connectors (A) from the AM/FM antenna amplifier (B).

AM/FM main antenna amplifier

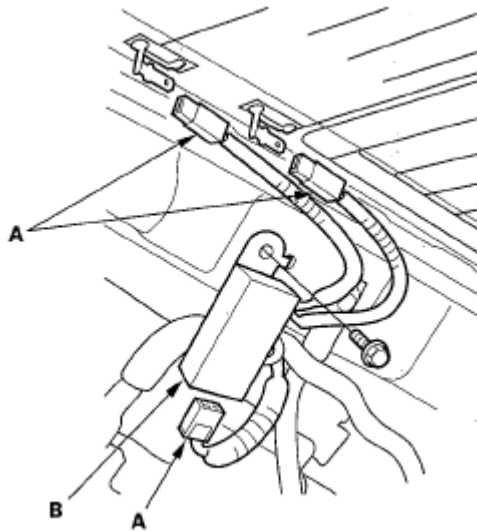


Fig. 117: Identifying Connectors And AM/FM Antenna Amplifier - AM/FM Main Antenna Amplifier

Courtesy of AMERICAN HONDA MOTOR CO., INC.

AM/FM subantenna amplifier

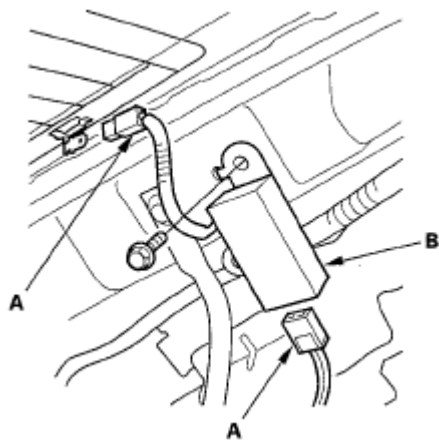


Fig. 118: Identifying Connectors And AM/FM Antenna Amplifier - AM/FM Subantenna Amplifier

Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the bolt and AM/FM antenna amplifier.
4. Install the unit in the reverse order of removal.

XM ANTENNA MODULE REPLACEMENT

1. Remove the high mount brake light (see **HIGH MOUNT BRAKE LIGHT REPLACEMENT**).
2. Remove the cover (A) from the satellite signal XM antenna module (B), then disconnect the satellite signal feeder connectors (C) and terrestrial signal feeder connectors (D).

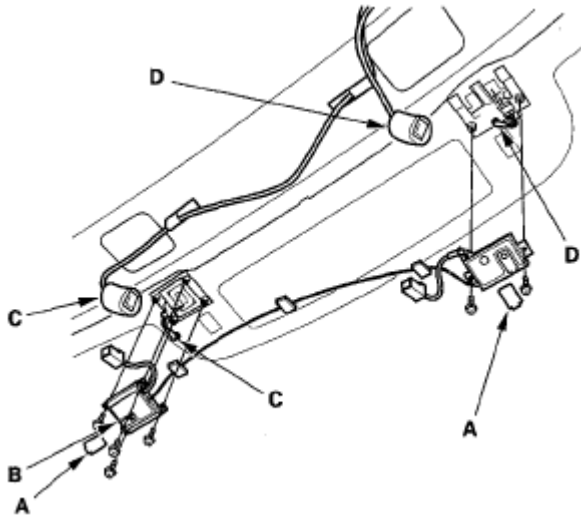


Fig. 119: Identifying Satellite Signal XM Antenna Module And Satellite Signal Feeder Connectors

Courtesy of AMERICAN HONDA MOTOR CO., INC.

3. Remove the screws and the XM antenna module.
4. Install the unit in the reverse order of removal.

AM/FM ANTENNA REPAIR

NOTE: To make an effective repair, the broken section must not be longer than one inch.

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

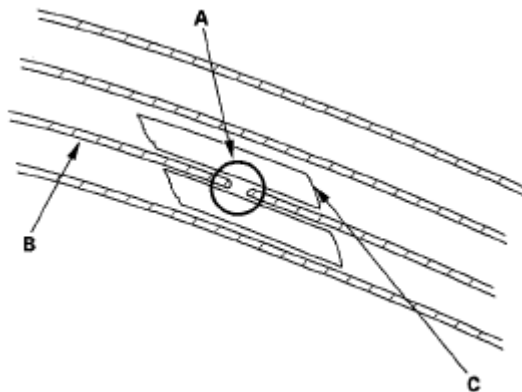


Fig. 120: Preparing AM/FM Antenna For repair

Courtesy of AMERICAN HONDA MOTOR CO., INC.

2. Carefully mask above and below the broken portion of the AM/FM 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.

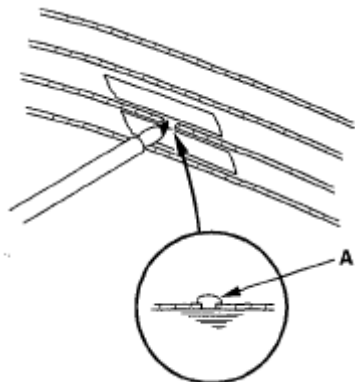


Fig. 121: Repairing Am/FM Antenna With Silver Conductive Paint
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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.