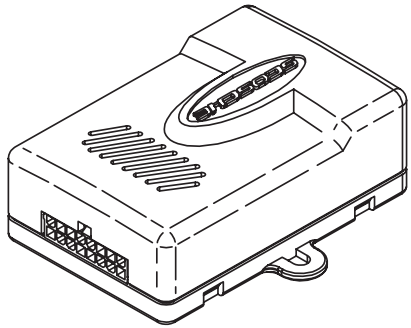
SCOSCHE® **GM13SR**

FACTORY STEREO REPLACEMENT INTERFACE WITH INTERNAL SPEAKER
(II BIT DATA SYSTEM)



This GM13SR car stereo replacement interface will allow you to replace your GM factory stereo and retain all safety and warning chimes with your new aftermarket car stereo.

GM 16- AND 14-PIN CONNECTOR

CHEVROLET		PONTIAC		SATURN	
2008	MALIBU	2008	G6	2007-08	SKY
2007-08	COLBALT	2007-08	G5	2006-08	AURA
2007-08	HHR	2006-08	SOLSTICE		

GM 24-PIN CONNECTOR

CHEVROLET		PONTIAC	
2004-07	MALIBU	2005-07	G6
2005-06	COLBALT		

APPLICATION NOTES: For Amplified and Non-Amplified Factory Systems	STD. RADIO	STD. BOSE®	PREMIUM BOSE®	ONSTAR®
	Yes	Yes	No	No

WHY YOU NEED THIS PART

Your factory stereo is an integral part of your vehicle's SAFETY and WARNING CHIME systems. If the stereo is removed without the proper installation accessory, various warning chimes and/or some functions of your vehicle may be LOST including:

- Seatbelt warning chime
- Lights left on chime
- RAP (Retained Accessory Power)
- Check Engine/Service indicator
- Turn signal clicker
- Key left in ignition chime
- +12V accessory power at radio
- Low fuel
- Low oil level

Your vehicle's ECM (Electronics Control Module) will also store an error code if operated without the factory radio installed and you may experience difficulty in having the vehicle serviced at the dealership. The GM13SR interface module/harness allows you to REPLACE the factory stereo and RETAIN all SAFETY and WARNING chimes. Additionally, GM13SR will send the proper data commands to your vehicle's ECM (Electronics Control Module) to indicate a "healthy" status for diagnostic purposes. The GM13SR module/harness ALSO provides a RED +12V switched ACCESSORY power source for your aftermarket stereo.

PRELIMINARY

This GM13SR car stereo replacement interface will allow you to replace your GM factory stereo and retain all safety and warning chimes with your new aftermarket car stereo.

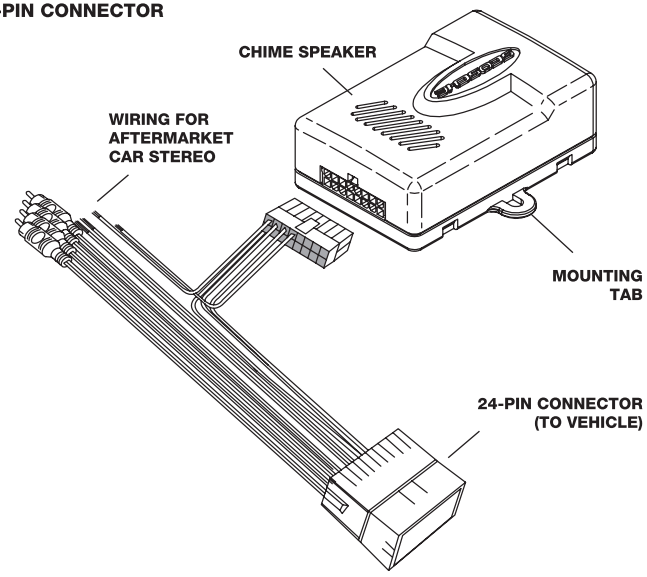
BEFORE BEGINNING: READ THIS INSTRUCTION MANUAL

****CAUTION****

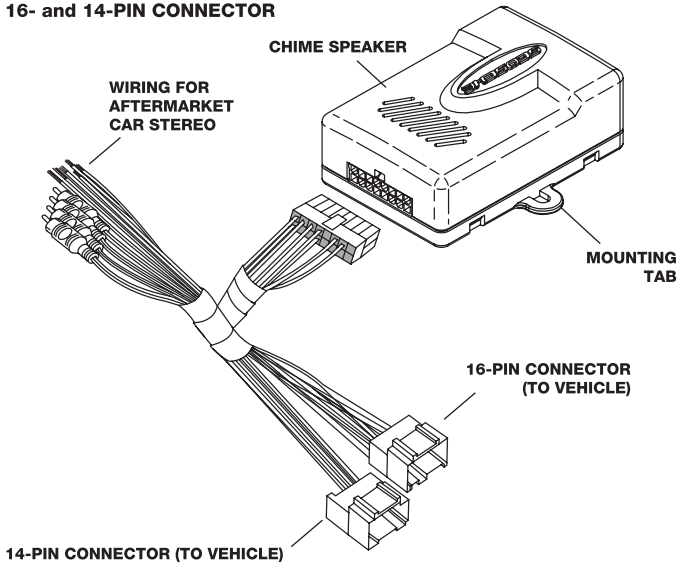
DISCONNECT NEGATIVE BATTERY TERMINAL TO AVOID SHORT CIRCUITS. READ ALL MANUFACTURERS WARNINGS REGARDING AIR BAGS AND ELECTRICAL SYSTEMS IN YOUR VEHICLE. WE RECOMMEND THE USE OF A VOLT/OHM METER OR COMPUTER-SAFE LED PROBE WHEN CHECKING WIRING. A TESTLIGHT OR GROUNDED LIGHT PROBE IF USED IMPROPERLY CAN CAUSE DAMAGE TO THE VEHICLE'S COMPUTER AND/OR DIAGNOSTIC SYSTEM!

GM13SR OVERVIEW

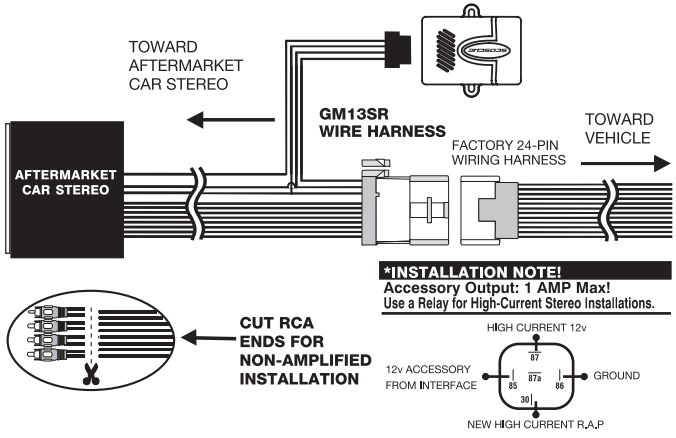
24-PIN CONNECTOR



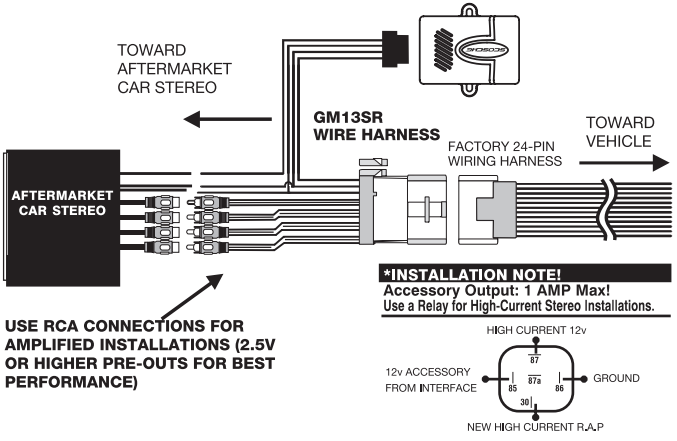
16- and 14-PIN CONNECTOR



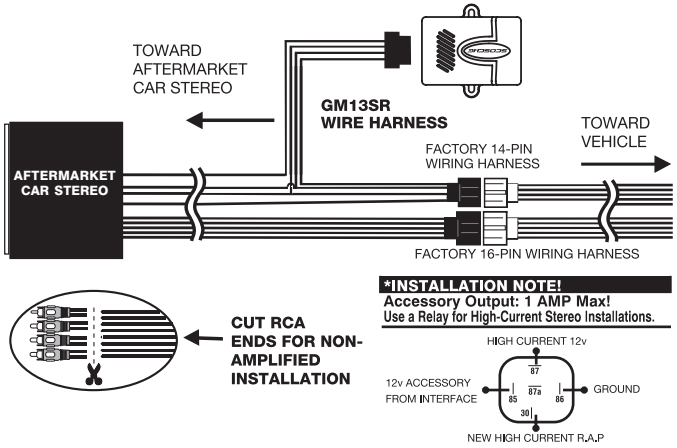
GM 24-PIN NON-AMPLIFIED WIRING DIAGRAM



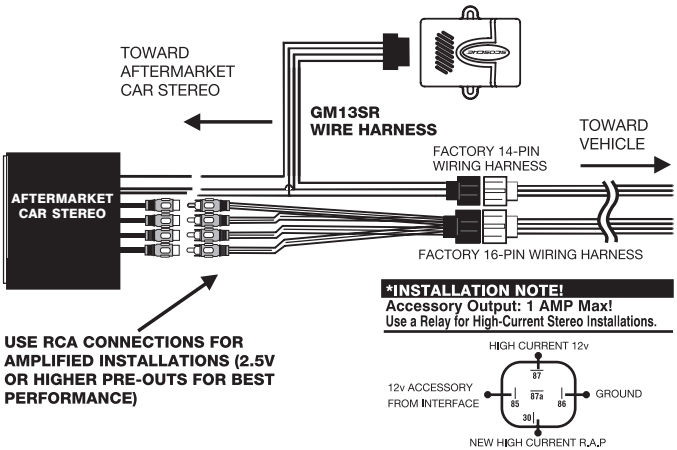
GM 24-PIN AMPLIFIED WIRING DIAGRAM



GM 16- AND 14-PIN NON-AMPLIFIED WIRING DIAGRAM



GM 16- AND 14-PIN AMPLIFIED WIRING DIAGRAM



WIRING COLOR CODES

WHITE	= Left front positive (LF+)	GREEN	= Left rear positive (LR+)
WHITE/BLACK	= Left front negative (LF-)	GREEN/BLACK	= Left rear negative (LR-)
VIOLET/BLACK	= Right rear negative (RR-)	GRAY/BLACK	= Right front negative (RF-)
VIOLET	= Right rear positive (RR+)	Gray	= Right front positive (RF+)
BLACK	= Chassis ground (-12V)	ORANGE	= Illumination
YELLOW	= +12 volt battery constant		
RED	= +12 volt ACC switched (5 amp ouput from GMLAN2SR module)		
BLUE/WHITE	= +12V remote output (amp remote, radio ON signal)		

UTILIZED ONLY ON THE 14/16-PIN HARNESS:

RED/BLACK	= VSS speed pulse signal (A/C voltage when in motion)
RED/WHITE	= Reverse light trigger (+12V when in reverse gear)
YELLOW/BLACK	= Parking brake Trigger (-12V when park brake is ON)
ORANGE/WHITE	= Auto illumination
BLUE/WHITE	= Amp turn on

NOTE: The ACC output is rated at 1.5 amps. It designed for aftermarket headunits ONLY. If you are using other hi-demand accessories, we recommend the use of an SPDT relay to drive those devices and prevent damage to GM13SR circuitry.

NOTE: The illumination output is rated at 1 amp. It is designed for aftermarket headunits with an illumination input ONLY. If you are using other hi-demand LIGHTED accessories such as aftermarket GAUGES, we recommend the use of an SPDT relay to drive those devices and prevent damage to GM13SR circuitry.

WIRING INSTRUCTIONS FOR 24-PIN CONNECTORS

1. Disconnect the negative battery cable from the battery to avoid any short circuits.
2. Remove and unplug factory stereo. (If needed, call Scosche Tech Support (800) 621-3695 x3 for stereo removal steps specific to your vehicle.)
3. Match and connect the appropriate wires from the GM13SR harness to the appropriate wires of the plug provided with your stereo. For example, connect the +12V yellow constant lead from your stereo to the yellow wire of the GM13SR harness. The color codes are designed to match MOST aftermarket stereos.
   - For non-Bose installations, cut off RCA cable ends and connect directly to color coded speaker wires. For standard Bose systems, use RCA line outputs from stereo.
4. The red +12V switched wire for your aftermarket stereo is coming from the GM13SR module itself, not the vehicle harness.
5. Tape all unused wires to prevent short circuiting.
6. Reconnect the negative battery cable.
7. Connect the 16-pin harness to the GM13SR module.
8. Connect the 24-pin GM13R connector to the factory harness.
9. As you install your new stereo, place the GM13SR module in the rear of the dash cavity behind the stereo. **Optional:** Cable ties or double sided tape can be used to secure the module, but are not included.

WIRING INSTRUCTIONS FOR GM13SR SYSTEMS

1. Disconnect the negative battery cable from the battery to avoid any short circuits.
2. Remove and unplug factory stereo. If needed, call Scosche Tech Support at (800) 621-3695 x3 for stereo removal steps specific to your vehicle.)
3. Match and connect the appropriate wires from the GM13SR harness to the appropriate wires of the plug provided with your stereo. For example, connect the +12V yellow constant lead from your stereo to the yellow wire of the GM13SR harness. The color codes are designed to match MOST brand of car stereos.
   - For non-Bose installations, cut off RCA cable ends and connect directly to color coded speaker wires. For standard Bose systems, use RCA line outputs from stereo.
4. The red +12V switched wire for your aftermarket stereo is coming from the GM13SR module itself, not the vehicle harness.
   Note: The parking brake, reverse and VSS (vehicle speed sense) are all optional wires provided to help install aftermarket navigation radios.
5. Tape all unused wires to prevent short circuiting.
6. Reconnect the negative battery cable
7. Connect the 16-pin harness to the GM13SR module.
8. Connect the 14-pin and 16-pin GM13SR connector to the factory harness.
9. As you install your new stereo, place the GM13SR module in the rear of the dash cavity behind the stereo. **Optional:** Cable ties or double sided tape can be used to secure the module, but are not included.

14/16-PIN CHIME VOLUME ADJUSTMENT

The GM13SR interface gives you the ability to adjust the chime audio level from soft to loud in order to suit your personal needs. Follow the steps below:

1. With the Ignition key OFF and key resting in ignition, turn ON vehicle headlights.
2. Open driver's door. At this point you will hear a reminder chime indicating the key is in the ignition and lights are on.
3. SLOWLY, rotate the dash illumination dimmer knob to make chime audio adjustments. Turn the knob up to increase chime volume level or turn it down to decrease.
4. Once the desired volume level is achieved, turn off headlights and close the door. Your personal chime setting will be stored by the GM13SR. You can readjust your dash lighting dimmer level with the door CLOSED and headlights on.

OPERATION

There are no specific user operational steps for this product other than CHIME ADJUSTMENT as stated ABOVE. When connected and installed per these instructions, your aftermarket car stereo should operate just like the factory system did. All Chimes will be re-produced by the speaker built inside the GM13SR located in the dash behind your stereo. The retained accessory power function of the stereo will continue to operate as normal. The GM13SR module will send the proper DATA commands to your vehicle's electronics module to keep your vehicle's diagnostics system functioning normally as with the factory stereo. Consult your stereo owner's guide for info specific to the operations of your new car stereo.