

## STEERING WHEEL CONTROLS

1. Determine if your vehicle has built-in stereo (audio) control buttons located on the steering wheel:

- a. If yes, proceed to step 2.
- b. If no, then disregard this steering wheel controls section.

2. Determine if your new stereo is compatible with steering wheel controls. Consult the installation manual provided with the stereo, or check the wiring connections behind the stereo:

- a. Some stereos have a 3.5 mm round (headphone type) input receptacle at the rear of stereo labeled "SWC" or "SWC In"

- b. Some stereos have Blue wire with Yellow stripe (or other color) labeled: "SWC" or "SWC In".

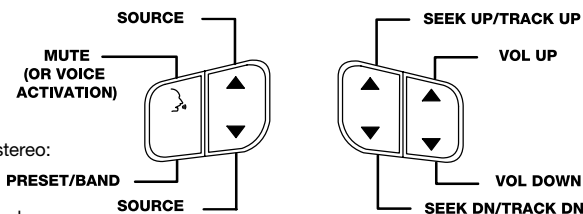
3. Refer to chart on page 9 to prepare the Steering Wheel Control harness. Use the chart to determine which colored loop to cut and the corresponding connection for your particular stereo. If your brand is not listed in the chart, please call tech support for assistance: (800) 612-3695 Ext. 3

4. Connect the 3.5mm Male jack the back of the stereo's SWC input or connect the Brown (KEY1), Gray (KEY2) or Black (GND) to the stereo's SWC input wire.

5. Connect the Male 14-Pin connector the interface module as shown in the diagram.

**\*\*NOTE:** Steering wheel control buttons and functions are provided as a guide. Your specific vehicle may differ.

### LPGM25 STEERING WHEEL LEGEND\*\*

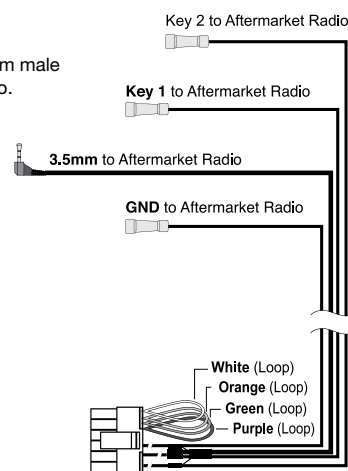


## STEERING WHEEL WIRING CODES

1. Prepare **LPGM25** steering wheel connector by using the chart below.
2. Connect the harness to the interface module.
3. For Alpine, Clarion, JVC, Panasonic and car stereos, connect the 3.5mm male steering plug into the steering wheel input jack at the back of the stereo.
4. For Kenwood and newer JVC stereos, connect the BROWN wire from the steering wheel harness to the REMOTE IN wire at the back of the stereo.

STEREO BRAND	CONFIGURATION*	STEREO CONNECTION
ALPINE	Cut Green loop	3.5mm
CLARION	Cut Violet loop	3.5mm
JVC	Cut Green & Violet loop	3.5mm or Brown (Key 1)
KENWOOD	Cut Orange & Green	Brown (Key 1)
PANASONIC	Cut Orange	Brown (Key 1)
SONY	Cut White	3.5mm
PIONEER	No cut required	3.5mm
OTHER BRANDS	Call Tech Support	Brown, Gray, Black

**\*NOTE:** Cut wire ONLY. DO NOT remove!



## OPERATION

When connected and installed per these instructions, the aftermarket car stereo should operate just like the factory system did. If using steering wheel controls and compatible stereo, refer to the diagram at top of this page for button functions. The chimes will be produced by the speaker inside the interface module located in the dash behind your stereo. The retained accessory power function of the stereo will continue to operate as normal. The interface 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.

### FACTORY CHIMES PRODUCED BY THE LPGM25 REPLACEMENT INTERFACE:

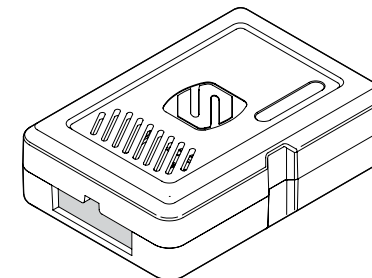
- Seatbelt warning chime
- Park assist (if equipped)
- Key left in ignition chime
- Lights left on chime
- Service reminders/warnings when displayed on instrument cluster
- Low fuel

For complete warranty details, please visit us at [www.scosche.com](http://www.scosche.com) or call (800) 363-4490



**LPGM25**

## FACTORY STEREO REPLACEMENT INTERFACE WITH CHIME AND STEERING WHEEL CONTROL RETENTION (CLASS II DATA SYSTEM)



Congratulations on your purchase of the **LPGM25** Car Stereo Replacement Interface. This interface will allow you to replace your GM factory stereo and retain all safety and warning chimes with your aftermarket car stereo. The interface will also retain steering wheel controls (if equipped) when using a compatible aftermarket stereo.

## VEHICLE APPLICATIONS

### BUICK

2004-05	Century
2004-07	Lacrosse
2004-07	Rainier
2005-07	Terraza

### CHEVROLET

2003-06	Avalanche
2003-05	Blazer S-10
2000-05	Cavalier
2004-12	Colorado
2005-12	Corvette
2002-07	Express
2000-05	Impala
2003	Malibu
2004	Malibu (Classic)
2000-05	Monte Carlo

### CHEVROLET (cont'd)

2003-04	Pickup S-10
2007	Silverado Pickup (Classic)
2003-06	Suburban
2003-06	Tahoe
2005-08	Uplander
2003-05	Venture
<b>GMC</b>	
2004-12	Canyon
2003-07	Savana
2003-05	Sonoma
2003-06	Sierra Pickup 1500/3500 (non-Denali models)
<b>ISUZU</b>	
2003-09	Ascender

### OLDSMOBILE

2001-04	Alero
2002-04	Bravada
2000-04	Silhouette (w/Integrated chime from door)

### PONTIAC

2003-05	Aztek
2003-05	Grand Am
2000-06	Montana (w/Integrated chime from door)
2000-05	Sunfire

### SATURN

2007	Relay
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**NOTE:** We recommend the **GMT2049A** Car Stereo Installation Kit for mounting your aftermarket car stereo and a **TK12A** car stereo tool kit.

### BEFORE BEGINNING: READ THESE INSTRUCTIONS!

**\*\*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 test light or grounded light probe if used improperly can cause damage to the vehicle's computer and/or diagnostic system.



**IMPORTANT!**  
DO NOT RETURN PRODUCT TO THE RETAILER  
IF YOU NEED ASSISTANCE OR REPLACEMENT PARTS  
CALL US TOLL FREE: 1-800-363-4490 X1  
HOURS MON-FRI 8AM-5:30PM (PST) SATURDAY 8AM-2PM (PST)

## PRELIMINARY

### 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
- Key left in ignition chime
- +12V Accessory Power at Radio's location
- Park assist (if equipped)
- RAP (Retained Accessory Power)
- Low fuel
- Steering wheel audio controls (if equipped)

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 interface module/harness allows you to REPLACE the factory stereo and RETAIN all SAFETY and WARNING chimes. Additionally, the **LPGM25** replacement interface will send the proper data commands to your vehicle's ECM (Electronics Control Module) to indicate a "Healthy" status for diagnostic purposes. The interface module/harness ALSO provides a RED +12V switched ACCESSORY power source for your aftermarket stereo.

#### APPLICATION NOTES:

Not for use on "Premium Bose" or to retain OnStar systems. See application list on page 1 and note below.

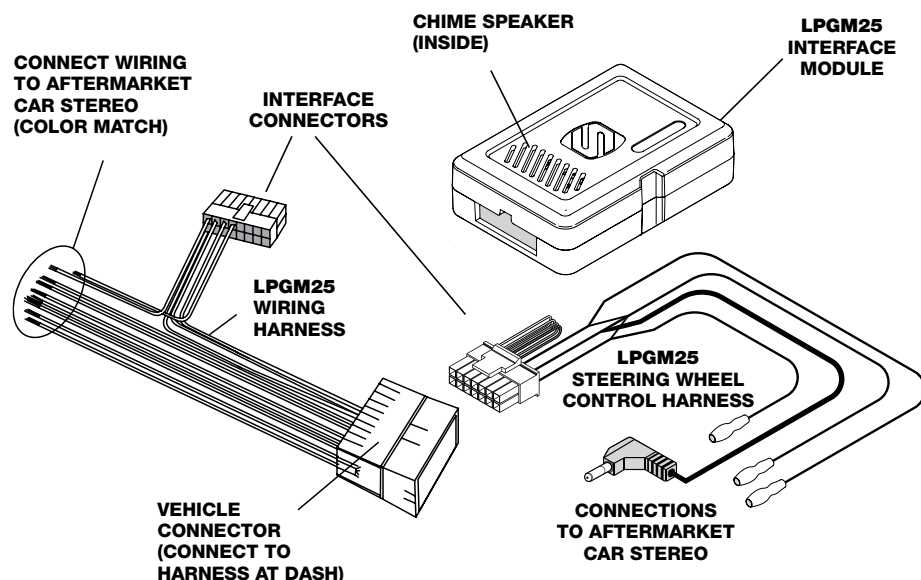
STD. RADIO	STD. BOSE	PREMIUM BOSE	RETAINS ONSTAR
Yes	Yes	No	No

#### "Standard" BOSE and "Premium" BOSE systems:

There are two types of BOSE systems available in many GM models listed above. The **LPGM25** replacement interface will only provide full features with "Standard" BOSE. The **LPGM25** is not compatible with "Premium" BOSE systems. Here are some tips to determine if your vehicle is equipped with a "Premium" Bose system:

Check the glove compartment for the Premium Bose Y91/Z75 BOSE radio code. This code may be found on a service parts sticker. Premium BOSE systems often include a CENTER CHANNEL Speaker located in the middle of the vehicle dashboard. Premium Bose radios also provide Digital Signal Processing (Surround Sound) audio adjustments. Alternate products are available from Scosche to integrate or retain OnStar and Premium Bose systems. Call Scosche for additional information at (800) 621-3695 Ext. 3. In the instance where you are RE-WIRING the vehicle and bypassing the "Premium" Bose Amplifier, the **LPGM25** can be used to retain FACTORY Warning chimes.

## LPGM25 OVERVIEW



## WIRING INSTRUCTIONS

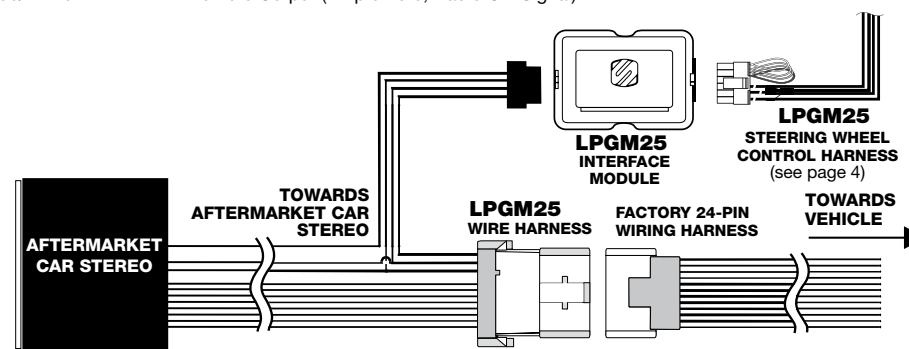
1. Disconnect the Negative battery cable from the battery to avoid any short circuits.
2. Remove and unplug factory stereo. (If needed, call Scosche Tech Support (800) 621-3695 x3 for stereo removal steps specific to your vehicle.)
3. Match and connect the appropriate wires from the **LPGM25** harness 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 GM2000A Harness. The color codes are designed to match MOST brand of car stereo
- NOTE:** If your vehicle is equipped with steering wheel controls and you are installing a compatible aftermarket stereo, see pages 8-9 for connection information.
4. Note that the RED +12V switched wire for your aftermarket stereo is coming from the **LPGM25** 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 **LPGM25** module.
8. Connect the 24-Pin **LPGM25** connector to the Factory Harness.
9. As you install your new stereo, place the **LPGM25** 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 NOTES:

1. The Red +12V Accessory wire coming from the **LPGM25** module is rated at 5 Amps Max for a SINGLE Aftermarket Car Stereo only. Connecting additional accessories to the RED wire can cause DAMAGE to the **LPGM25** module!
2. There are additional Yellow, Black and Violet wires PRE-CONNECTED between the **LPGM25** connector and the Vehicle 24 PIN connector. These are Power and Data wires for the module itself. DO NOT MAKE ANY CONNECTIONS with these wires.
3. If your stereo does not contain an "illumination" wire, then the Orange wire will not be used. Tape or terminate all unused wires to prevent short circuits.

## WIRING COLOR CODES & DIAGRAM

White	=	Left Front Positive (LF+)	Orange	=	Illumination
White/Black	=	Left Front Negative (LF-)	Green	=	Left Rear Positive (LR+)
Violet/Black	=	Right Rear Negative (RR-)	Green/Black	=	Left Rear Negative (LR-)
Violet	=	Right Rear Positive (RR+)	Gray/Black	=	Right Front Negative (RF-)
Black	=	Chassis Ground (-12V)	Gray	=	Right Front Positive (RF+)
Yellow	=	+12 Volt Battery Constant			
Red	=	+12 Volt Ignition Switched (Coming from <b>LPGM25</b> module)			
Blue/White	=	+12V Remote Output (Amp emote, Radio ON Signal)			



Most color codes used on this car stereo connector conform to the standards set by the E.I.A. (Electronics Industry Association). They may differ from the wiring codes found on your car stereo. Always refer to your stereo owners manual for wiring details about your particular car stereo.