14353
Installation Instructions

** READ IMPORTANT WARNING ON PAGE 2 BEFORE ATTEMPTING ANY INSTALLATION*

THE **14352** IS DESIGNED TO BE USED WITH VEHICLES THAT HAVE A FACTORY AMPLIFIED SYSTEM INCLUDING THE BOSE AUDIO SYSTEMS. BESIDES RETAINING THE ONSTAR SYSTEM, THE **14352** WILL ALSO RETAIN THE WARNING CHIMES THAT WILL BE LOST WHEN THE FACTORY RADIO IS REMOVED. THE GMOS-04 WILL ALSO PROVIDE A 12 VOLT SWITCHED WIRE FOR PROPER RADIO OPERATION. THE **14353** NOW PROVIDES MUTE, PARKING BRAKE, VSS OR SPEED SENSE, AND A REVERSE OUTPUT TO MAKE INSTALLING AN AFTERMARKET NAVIGATIONAL RADIO SIMPLER AND LESS TIME CONSUMING.

• *SEE APPLICATIONS LIST INSIDE* •

TOOLS REQUIRED FOR INSTALLATION

- Cutting Tool • Tape • Crimping Tool
- Connectors (ie: butt-connectors, bell caps, etc.)

Interface 14353

The **14353** interface is designed to allow the user to replace the OEM radio with an aftermarket unit in amplified GM vehicles and retain full functionality of the OnStar system as well as all safety and warning chimes. The **14353** will also retain the retained accessory power convenience features. This interface has the capability of adjusting chime and OnStar volumes as well. In addition to these features, the **14353** now has the required outputs for the installation of a navigation radio.

- *For amplified audio systems; Premium and Bose 2000-08*
- *Retains OnStar with adjustable volume output*
- *Retains chimes with adjustable level output*
- *Retains RAP feature*
- *Navigation outputs now included*
- *USB update interface compatible*

APPLICATIONS

BUICK
ALLURE 2005-09
CENTURY 2004-05
LACROSSE 2005-09
RAINIER 2004-07
RENDEZVOUS 2002-07
TERRAZA 2005-08

CADILLAC
ESCALADE 2003-06
ESCALADE EXT 2003-06

CHEVROLET
AVALANCHE 2003-06
CAVALIER 2000-05
CORVETTE 2005-09*
*See note for Corvette in "CONNECTIONS TO BE MADE ON THE 24 PIN GRAY HARNESS"
EXPRESS 2003-07
IMPALA 2000-05
MALIBU 2002-03
MALIBU CLASSIC 2004
MONTE CARLO 2000-05
SILVERADO 2003-06
SILVERADO CLASSIC 2007
SUBURBAN 2003-06
TAHOE 2003-06
TRAILBLAZER 2002-09
UPLANDER 2005-08
VENTURE 2000-05

GMC
ENVOY 2002-09
SAVANA 2003-07
SIERRA 2003-06
SIERRA CLASSIC 2007
YUKON/XL/DENALI 2003-06

HUMMER
H2 2003-07
H3 2006-09

ISUZU
ASCENDER 2003-08
I SERIES 2006-08

OLDSMOBILE
ALERO 2001-04
BRAVADA 2002-04
INTRIGUE 2002
SILHOUETTE 2000-04

PONTIAC
AZTEC 2001-05
GRAND AM 2001-05
GRAND PRIX 2004-08
MONTANA 2000-2005
SUNFIRE 2000-05

SAAB
9-7x 2005-09

SATURN
RELAY 2005-07

MECP mobile electronics certified professional

We recommend MECP certified technicians

MESA

We recommend MESA certified technicians

INTERFACE COMPONENTS

- GMOS-04 Data Interface
- 14 pin harness with RCA'S
- 16 pin harness to 24 pin GM harness and 12 pin Onstar harness

* IMPORTANT WARNING

THIS PRODUCT INCLUDES INSTRUCTIONS FOR INSTALLATION WHICH MUST BE CAREFULLY FOLLOWED. THE INSTRUCTIONS ARE WORDED IN SUCH A MANNER TO ASSUME THAT THE INSTALLER IS CAPABLE OF COMPLETING THESE TYPE OF ELECTRONIC INSTALLATIONS. IF YOU ARE UNCLEAR AS TO WHAT YOU ARE INSTRUCTED TO DO OR BELIEVE THAT YOU DO NOT UNDERSTAND THE INSTRUCTIONS SO AS TO PROPERLY AND SAFELY COMPLETE THE INSTALLATION YOU SHOULD CONSULT A TECHNICIAN WHO DOES HAVE THIS KNOWLEDGE AND UNDERSTANDING. **FAILURE TO FOLLOW THESE INSTRUCTIONS CAREFULLY AND TO INSTALL THE INTERFACE AS DESCRIBED COULD CAUSE HARM TO THE VEHICLE OR TO SAFETY SYSTEMS ON THE VEHICLE. INTERFERENCE WITH CERTAIN SAFETY SYSTEMS COULD CAUSE HARM TO PERSONS AS WELL.**

WIRING UP THE 14353

** **Important:** Before beginning any of the following, disconnect the negative battery terminal to prevent accidental short circuit.*

*****Note:** The ignition power source of most GM vehicles keep the radio on until one of the doors is opened. This is called the R.A.P. (retained accessory power).*
The GMOS-04 is designed to retain this feature.

CONNECTIONS TO BE MADE ON THE 24 PIN GRAY HARNESS:

1. Connect the **yellow** wire to the radio's 12V battery or memory wire.
2. Connect the **black** wire to the radio's ground wire.
3. Connect the **orange** wire to the radio's illumination wire. If the wire is not present, tape up wire.
4. Connect the **orange/white** wire to the radio's dimmer wire. If the wire is not present, tape up wire.

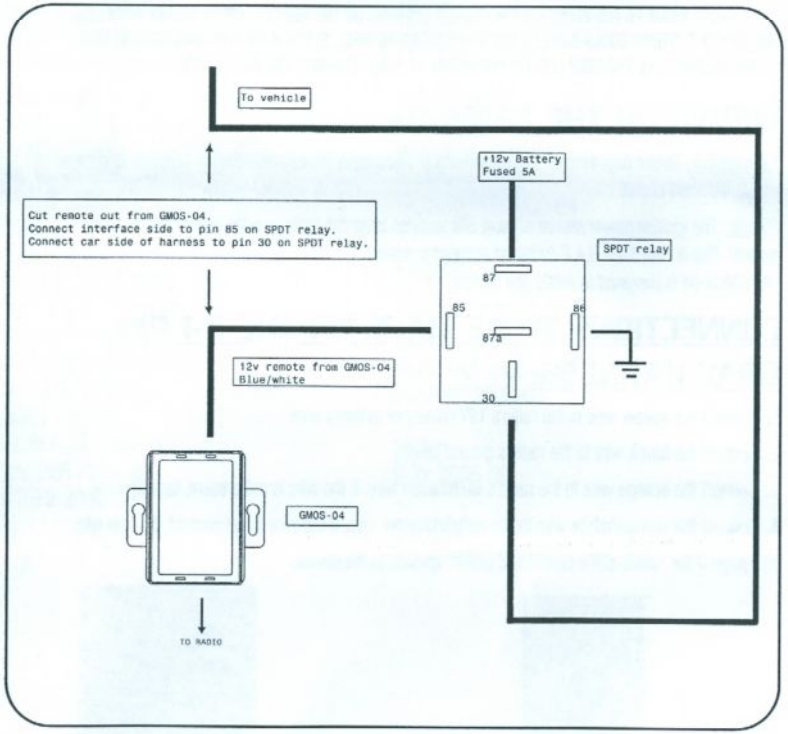
See page 3 for "2005-2009 CORVETTE ONLY" special instructions.

Continued from page 2

FOR 2005-2009 CORVETTE ONLY

6. A Relay is needed in the 2005-2009 Corvette. You will need to cut the **blue/white** wire in half between the 16 way Molex and 24 way gray connector.

- Connect the **blue/white** wire coming from the 16 way Molex to pin 85 of the Relay.
- Connect the **blue/white** wire coming from the 24 way connector to pin 30 of the Relay.
- Connect pin 86 of the Relay to Ground.
- Connect pin 87 of the relay to fused 12 volt constant wire. Using tape or a wire tie securely the Relay from moving around in the dash.



- **When completed, plug the 16 pin harness into the Interface**

CONNECTIONS TO BE MADE ON THE 14 PIN HARNESS

1. Connect the **blue/white** wire to the radio's AMP turn-on wire.
2. Connect the **red** wire to the radio's Igniton or accessory wire.
3. Connect the **RCA cables** to the radio's **RCA outputs**. If no **RCA outputs** are available, use the line output converter part #ALO-648 (SOLD SEPARATELY).
4. The **white** RCA goes to the left front RCA output of the radio.
5. The **gray** RCA goes to the front right RCA output of the radio.
6. The **green** RCA goes to the left rear RCA output of the radio.
7. The **purple** RCA goes to the right rear RCA output of the radio.

The following wires on the 14 pin harness are for the aftermarket radios that have navigation built in:

1. Connect the **Brown** wire to the mute wire of the aftermarket radio.
2. Connect the **Green** wire to the parking brake wire of the aftermarket radio.
3. Connect the **Blue/Pink** wire to the VSS or speed sense wire of the aftermarket radio.
4. Connect the **Green/Purple** wire to the reverse wire of the aftermarket radio.

- **When completed, plug the 14 pin harness into the Interface**

INSTALLING

1. With all connections completed to the aftermarket radio, plug the 24 pin and the 12 pin connectors into the vehicles corresponding wiring harnesses.
2. Reconnect the negative battery terminal.
3. Cycle the key by turning the ignition on then back off, then back on again to test the radio.

TESTING

1. Turn the ignition on then the radio to verify the radio works. Check balance and fader controls for proper operation. If controls are backwards, check to see if the RCA's are in the correct location.
2. Push the Onstar button to verify Onstar is working. the radio will shut off and Onstar will be heard through the left front speaker. Turn off Onstar and the radio will turn back on.

ONSTAR LEVEL ADJUSTMENT

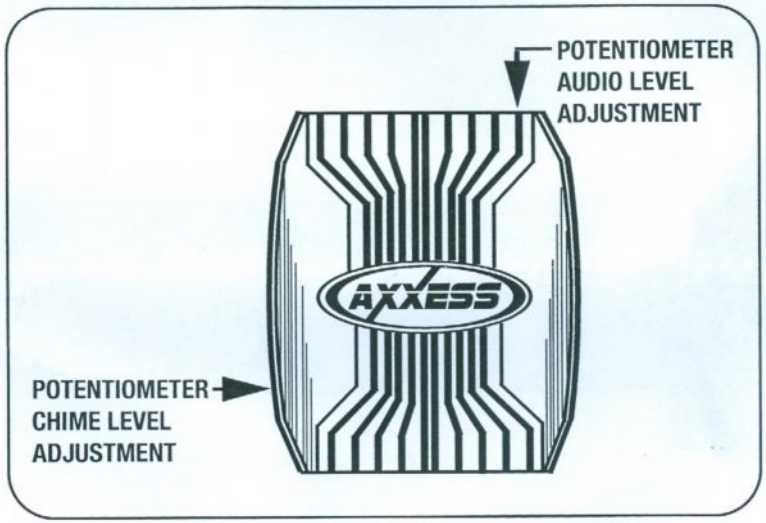
To adjust the Onstar volume level find the **Black/yellow wire** that you cut on the 16 pin harness, you will use the **Black/yellow wire** that is by itself, with no other wire with it. Push the blue Onstar button, while the voice is speaking tap the **Black/yellow wire** to ground. There are 4 volume settings for Onstar; once the 4th setting is reached and the **Black/yellow wire** is tapped to ground it will automatically go back to the first volume setting. Once the volume is set it will stay at that volume until the **Black/yellow wire** is tapped to ground again. This can be set during installation and then left alone. If user adjustment is desired, a momentary contact switch (sold separately) can be added. Connect one terminal from the switch to ground and the other terminal to the **Black/yellow wire**. The volume will change one level every time the switch is pressed.

TROUBLESHOOTING:

Chime Too Loud/Soft:

There are some instances where the chime is too loud or too soft.
To resolve this follow these steps:

1. Make sure the ignition is turned to the "off" position.
2. Disconnect the 14 pin and 16 pin wire harnesses from the **Interface**
3. Locate the potentiometer on the left side of the module, this is the Chime potentiometer.
4. Taking a small flat headed screwdriver, turn the potentiometer clockwise to decrease the chime level; turning the potentiometer counterclockwise will increase the chime level.



Distorted Audio Output:

When using the GMOS-04 with a radio that has a high pre-out voltage, usually greater than 2 volts, the audio signal may become distorted.
To resolve this follow these steps:

1. Make sure the ignition is turned to the "off" position.
2. Disconnect the 14 pin and 16 pin wire harnesses from the **Interface**
3. Locate the potentiometer next to the 14 pin connector located at the end of the **Interface**
4. Taking a small flat headed screwdriver, turn the potentiometer counter clockwise to lower the input level going to the factory amplifier.