**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. If you have any questions in this regard please call the help line or the Metra at 1-800-221-0932 for assistance.

* READ IMPORTANT WARNING ON PAGE 1 BEFORE ATTEMPTING ANY INSTALLATION

The GMOS-06 is designed to be used in Cadillacs equipped with Onstar and amplified system. It will retain the warning chimes that are lost when the factory radio is removed. The GMOS-06 also provides a 12-volt switched accessory output along with Mute, Parking Brake, Speed Sense (VSS), and Reverse outputs for the installation of an aftermarket navigation radio.

**APPLICATIONS**
- Cadillac Deville 2000-05
- Cadillac Eldorado 1999-2002
- Cadillac Seville 2000-2004
- Cadillac Catera 1997-2001*
* NOTE: Navigation outputs not available for these vehicles.

**INTERFACE COMPONENTS**
- GMOS-06
- 14 pin harness with RCA’s
- 16 pin harness to 32 pin Cadillac harness
TOOLS REQUIRED FOR INSTALLATION

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

HARNESS PREPARATION

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

**Note:** The ignition power source of the Cadillac keeps the radio on until one of the doors is opened. This is called the R.A.P. (retained accessory power). The GMOS-06 is designed to retain this feature.

Connections to be made on the 14 pin harness:
1) Connect the white RCA to the radio's left front RCA output.
2) Connect the gray RCA to the radio's right front RCA output.
3) Connect the green RCA to the radio's left rear RCA output.
4) Connect the violet RCA to the radio's right rear RCA output.

*Note:* If no RCA outputs are available, use the Metra line output converter part # LOC-648 (sold separately).
5) Connect the blue/white wire to the radio's amplifier turn-on output.
6) Connect the red wire to the radio's 12-volt accessory or switched wire.

The following wires on the 14-pin harness are for the aftermarket radios equipped with navigation features:
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 GMOS-06.

Connections to be made on the 16 pin harness:
1) Connect the yellow wire to the radio’s 12-volt battery or memory wire.

Connections to be made on the 32-pin harness:
1) Connect the blue wire to the radio’s antenna turn-on wire. If no antenna turn-on wire is present, hook blue wire to the radio’s amplifier turn-on wire.
2) Connect the orange/white wire to the radio’s dimmer wire. If no dimmer wire is present, just tape off wire.
3) Connect the black wire to the radio’s ground wire.
4) The black/white wires are to be grounded only if engine noise is present, otherwise insulate the unused wires.

When completed, plug the 16-pin harness into the GMOS-06.

INSTALLING THE GMOS-06

1) With all connections completed to the aftermarket radio, plug the 32 pin harness into the Cadillac's wiring harness.

*Note:* Some minor modifications may be necessary to the sub dash cavity to accommodate the GMOS-06.

2) Cycle the key by turning the ignition on then back off, then on again to test the radio.

TESTING THE GMOS-06

1) Turn the ignition on, then turn the radio on to verify that the radio works. Check the balance control of the radio for proper operation.

2) Push the Onstar button, if so equipped, to verify Onstar is working properly. The radio will turn off or mute if the radio has this feature and Onstar will be heard through the front speakers. Turn off Onstar and the radio will turn back on or deactivate mute if equipped.

ONSTAR LEVEL ADJUSTMENT

To adjust the Onstar volume level find the Black/Yellow wire on the 16-pin harness. 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.

AUDIO LEVEL ADJUSTMENT

When using the GMOS-06 with a radio that has a high pre-out voltage the audio signal may become distorted.

To resolve this follow these steps:
1. Locate the potentiometer next to the 14-pin connector located on the GMOS-06.
2. Take a small flat head screwdriver, turn the potentiometer counter-clockwise to lower the input level going to the factory amplifier.

*Note:* The chime volume will also adjust with the audio input.