GMOS-10

INSTALLATION INSTRUCTIONS

** READ IMPORTANT WARNING ON PAGE 1 BEFORE ATTEMPTING ANY INSTALLATION*

The GMOS-10 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-10 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

- CTS 2003-2006
- SRX 2004-06 with RPO codes U2R U2S

INTERFACE COMPONENTS

- GMOS-10
- 14 pin harness with RCA's
- 16 pin harness to 16 and 20 pin Cadillac harness

1-800-221-0932 *www.metraonline.com*

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* 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.**

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-10 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-10.

GMOS10

Connections to be made on the 16 pin harness:

1) Connect the **yellow** wire to the radio's 12-volt battery or memory wire.

2) The **blue/white** wire is the amplifier turn-on wire for aftermarket amplifiers only. If you are not using this connection, be sure to properly terminate the wire using an insulated connector or electrical tape.

3) The **black/yellow** wire will be discussed in the Onstar Level Adjustment section.

When completed, plug the 16-pin harness into the GMOS-10.

INSTALLING THE GMOS-10

1) With all connections completed to the aftermarket radio, plug the 16 and 20 pin harness into the Cadillac's wiring harness.

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

TESTING THE GMOS-10

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.
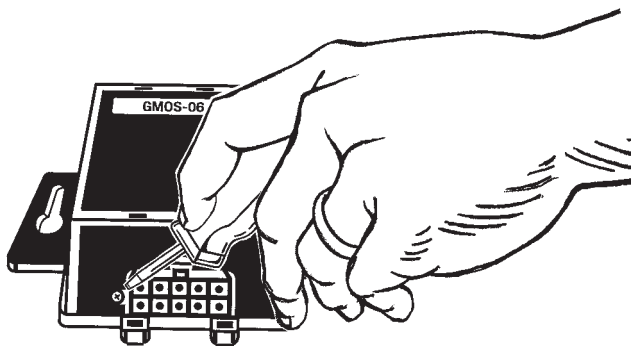
AUDIO LEVEL ADJUSTMENT

When using the GMOS-10 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-10.

2. Taking a small flat headed 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.

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