



*** 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.**

GMOS-11

INSTALLATION INSTRUCTIONS

** Retains ONSTAR system when installing an aftermarket radio.*

*** READ IMPORTANT WARNING INSIDE BEFORE ATTEMPTING ANY INSTALLATION**

APPLICATIONS

CADILLAC

Escalade 1999-2002

CHEVROLET

Avalanche 2001-2002

Silverado 1999-2002

Suburban 1999-2002

Tahoe 1999-2002

GMC

Sierra 1999-2002

Yukon 1999-2002

Yukon XL 2001-2002

INTERFACE COMPONENTS

- GMOS-11 Onstar Interface
- 10 pin harness w/stripped leads
- 12 pin to 21 pin GM and 9 pin Onstar harness

TOOLS REQUIRED FOR INSTALLATION

- Cutting Tool • Tape • Crimping Tool • Connectors

REV. 03/17/06

INST-GMOS11



1-800-221-0932



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GMOS-11

WIRING THE GMOS-11

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

Connections to be made on the 10 pin harness:

- 1) Connect the white wire to the radio's left front positive speaker output.
- 2) Connect the white/black wire to the radio's left front negative speaker output.
- 3) Connect the gray wire to the radio's right front positive speaker output.
- 4) Connect the gray/black to the radio's right front negative speaker output.
- 5) Connect the red wire to the radio's 12 volt accessory or switched wire.

Connections to be made on the 21 pin GM harness:

- 1) Connect the yellow wire to the radio's 12 volt battery or memory wire.
- 2) Connect the blue wire to the radio's antenna turn on wire.
- 3) Connect the orange wire to the radio's illumination wire (if wire is not present, tape wire off).
- 4) Connect the black wire to the radio's ground wire.
- 5) Connect the green wire to the radio's left rear positive speaker output.
- 6) Connect the green/black wire to the radio's left rear negative speaker output.
- 7) Connect the purple wire to the radio's right rear positive speaker output.
- 8) Connect the purple/black wire to the radio's right rear negative speaker output.

When completed, plug both harnesses into the GMOS-11

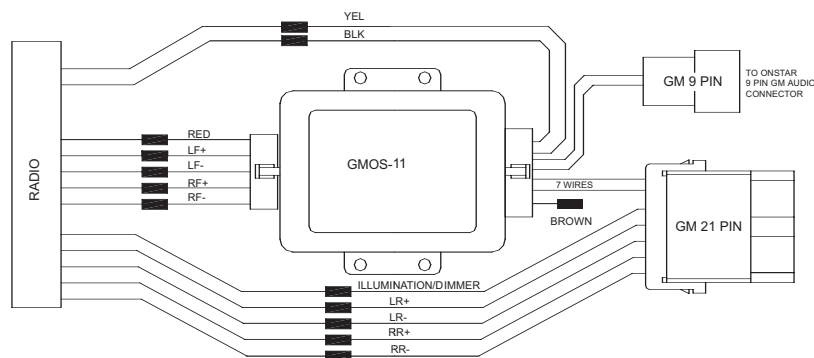


DIAGRAM 1

INSTALLING THE GMOS-11

- 1) With all connections completed to the aftermarket radio, plug the 21 pin and 9 pin harnesses into the vehicles wiring harnesses.

TESTING THE GMOS-11

- 1) Re-connect the negative battery terminal.
- 2) Turn the ignition on, and then turn the radio on to verify that the radio works. Check balance and fader controls for proper operation.
- 3) Push the Onstar button (if equipped) to verify Onstar is working. The radio will shut off and Onstar will be heard through the front speakers. Turn off Onstar and the radio will turn back on.

ONSTAR LEVEL ADJUSTMENT

To adjust the Onstar volume level find the brown wire on the 12 pin harness. Tap the brown wire to ground to change the level. Every tap will change the volume one level. There are three levels, low, medium and high.

This can be set during installation and then left alone.

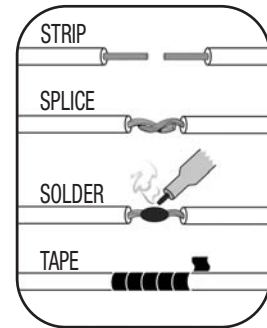
If user adjustment is desired, a momentary contact switch (sold separately) can be added. Connect one terminal from the switch to ground and the other terminal to the brown wire. The volume will change one level every time the switch is pressed.

FINAL WIRING CONNECTIONS

Make wiring connections using the EIA color code chart shown below and the instructions included with the head unit. Metra recommends making connections as shown below; Strip, Splice, Solder, Tape. Isolate and individually tape off ends of any unused wires to prevent electrical short circuit.

METRA / EIA WIRING CODE

12V Ignition / Acc	Red
12V Batt / Memory	Yellow
Ground	Black*
Power Antenna	Blue
Amp Turn-On	Blue / White
Amp Ground	Black / White
Illumination	Orange
Dimmer	Orange / White
Right Front (+)	Gray
Right Front (-)	Gray / Black
Left Front (+)	White
Left Front (-)	White / Black
Right Rear (+)	Violet
Right Rear (-)	Violet / Black
Left Rear (+)	Green
Left Rear (-)	Green / Black



***NOTE:** When Black wire is not present, ground radio to vehicle chassis.
All colors may not be present on all leads due to manufacturer's specifications.