



INSTALLATION INSTRUCTIONS FOR PART INSTGMOS-LAN-02

GMOS-LAN-02

GM LAN 29 Amplified OnStar Interface 2006-up

APPLICATIONS

See inside front cover

KIT FEATURES

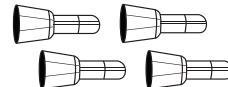
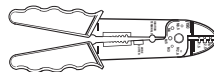
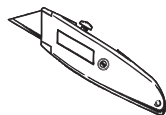
- Provides accessory (12-volt 10-amp)
- Retains R.A.P. (Retained Accessory Power)
- Used in amplified systems
- Retains chimes
- Provides NAV outputs (Parking Brake, Reverse, Mute, V.S.S.)
- ASWC harness included (ASWC not included)
- Retains OnStar/OE Bluetooth
- Adjustable volume for chimes and OnStar
- High level speaker input
- USB updatable
- Retains balance and fade
- Retains factory back-up camera
- Includes antenna adapter

INTERFACE COMPONENTS

GMOS-LAN-02 interface • 16 pin harness with stripped leads • 18-pin harness to 30 pin GM harness with stripped leads • BACKUPCAM harness • Antenna adapter

TOOLS REQUIRED

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



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GMOS-LAN-02

Applications

(Note: This interface will also work in vehicles listed below that are not equipped with OnStar)

BUICK

Enclave	2007-up
Lucerne	2006-up

CADILLAC

Escalade	2007-up
DTS	2006-2010
SRX	2007-2009

CHEVROLET

Avalanche	2007-up
Equinox	2007-2009
Express	2008-up
Impala	2006-up
Monte Carlo	2006-2007
Silverado (new body)	2007-up
Suburban	2007-up
Tahoe	2007-up
Traverse	2009-up

GMC

Acadia	2007-up
Savana	2008-up
Sierra (new body)	2007-up
Yukon	2007-up

PONTIAC

Torrent	2007-2009
Vibe (For OnStar retention only)	2009

SATURN

Outlook	2007-2009
Vue	2008-2009

Suzuki

XL-7	2007-2008
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Caution: Metra recommends disconnecting the negative battery terminal before beginning any installation. All accessories, switches, and especially air bag indicator lights must be plugged in before reconnecting the battery or cycling the ignition.

Note: Refer also to the instructions included with the aftermarket radio.



GMOS-LAN-02

Connections to be made

From the 16 pin harness:

- Connect the **Red** wire to the ignition wire of the aftermarket radio
- Connect the **Orange/White** wire to the illumination wire of the aftermarket radio. If the aftermarket radio has no illumination wire just tape off the **Orange/White** wire.
- Connect the **White** wire to the left front positive speaker output of the aftermarket radio
- Connect the **White/Black** wire to the left front negative speaker output of the aftermarket radio
- Connect the **Gray** wire to the right front positive speaker output of the aftermarket radio
- Connect the **Gray/Black** wire to the right front negative speaker output of the aftermarket radio
- Connect the **Green** wire to the radio's left rear positive speaker output.
- Connect the **Green/Black** wire to the radio's left rear negative speaker output.
- Connect the **Purple** wire to the radio's right rear positive speaker output.
- Connect the **Purple/Black** wire to the radio's right rear negative speaker output.
- Connect the **Blue/White** wire to the radio's amp turn on wire
- Connect the **Brown** wire to the mute wire of the aftermarket radio. If the aftermarket radio does not have a Mute wire, tape up the **Brown** wire.
- Connect the **Light Green** wire to the parking brake wire of the aftermarket navigation radio.
- Connect the **Blue/Pink** wire to the VSS or speed sense wire of the aftermarket navigation radio.
- Connect the **Green/Purple** wire to the reverse wire of the aftermarket navigation radio.
- Plug the 16 pin harness into the GMOS-LAN-02



GMOS-LAN-02

Connections to be made

From the 30 pin harness:

- Connect the **Yellow** wire to the radio's 12 volt battery or memory wire.
- Connect the **Black** wire to the radio's ground wire.
- Plug the 14 pin harness into the GMOS-LAN-02
- The **Black/Yellow** wire is for the OnStar volume adjustment. This will be discussed in the OnStar Level Adjustment section of this instruction.

The 12 pin harness (ASWC plug) will be discussed later in the manual.

BACKUPCAM harness:

This harness is used when you are trying to retain the factory Back up camera. Plug the yellow RCA of the BACKUPCAM harness to your aftermarket radios video input.

Installing the GMOS-LAN-02

- With all connections completed to the aftermarket radio, plug the 30 pin harnesses into the vehicles wiring harnesses.
- Reconnect the negative battery terminal.
- Cycle the key, by turning the ignition on for 30 seconds. Then off and on again to test the radio.

Testing the GMOS-LAN-02

- 1) Turn the ignition on if not already, and then turn the radio on to verify that the radio works. Check balance and fader controls for proper operation.
- 2) Push the OnStar button (if equipped) to verify OnStar is working. The radio will shut off or mute, depending if the **Brown** wire on the 16 pin harness is connected, and Onstar will be heard through the front speakers. Turn off Onstar and the radio will turn back on.

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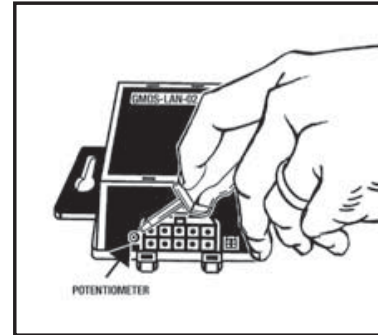


GMOS-LAN-02

Chime Volume Adjustment

Note: If Y91 is present on the RPO list, refer to your owner's manual to adjust chimes.

- 1) With car on, shut off car and leave keys in ignition. Open the car door and leave it open. Chimes will be heard.
- 2) Wait 10 seconds, then with a small screwdriver adjust the potentiometer fully counterclockwise (all the way left), then clockwise to raise chime level and counterclockwise to lower the chime level.
- 3) When the volume is at the desired level, remove the keys from the ignition. This will lock the chime volume at its current level.



Potentiometer located on 16 pin side of the interface

Audio Level Adjustment

- 1) Start your vehicle and turn on the radio having audio playing.
- 2) Turn your aftermarket radio's volume up $\frac{3}{4}$ of the way.
- 3) With a small screwdriver adjust the potentiometer clockwise to raise the audio level and counterclockwise to lower the audio level.
- 4) Once at desired level your audio adjustment is complete.

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, the customer may also tap volume up or down on the steering wheel (if equipped) to adjust the OnStar level.

Additional 12 pin harness (ASWC harness)

This 12 pin harness is to be used in conjunction with the ASWC (not included). Please refer to ASWC instructions for programming.



INSTALLATION INSTRUCTIONS FOR PART INSTGM05-LAN-02

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 Metra at 1-800-221-0932 for assistance.



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Metra recommends MECP certified technicians

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