GMOS-LAN-03
GM LAN 11 Non-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 non-amplified systems or when replacing 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
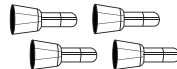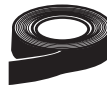- Retains balance and fade

INTERFACE COMPONENTS
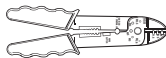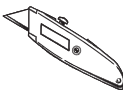
GMOS-LAN-03 interface • 16-pin harness with stripped leads
18-pin harness to 30-pin GM harness with stripped leads

TOOLS REQUIRED

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

Applications

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

CHEVROLET	
Cobalt	2007-2010
HHR	2006-up
Malibu	2008-up

PONTIAC	
G5	2007-2008
G6	2009
Solstice	2006-2009

SATURN	
Aura	2006-2009
Sky	2006-2009

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.

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 **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-03

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.

• Connect the **Blue** wire to the antenna turn on wire 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.

• Plug the 18-pin harness into the GMOS-LAN-03

• 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.

Installing the GMOS-LAN-03

• 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.
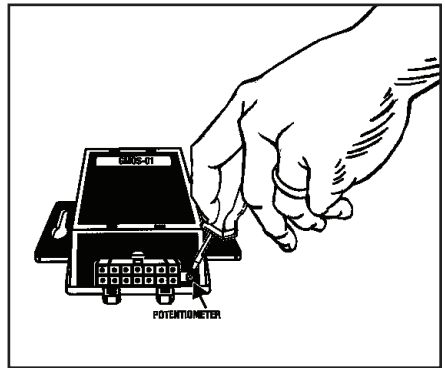
Testing the GMOS-LAN-03

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.

Chime Volume Adjustment

To adjust the chime volume, use a small screwdriver to rotate the potentiometer clockwise to make the chime louder and counterclockwise to make it softer. The potentiometer is located on 16-pin side of the GMOS-LAN-03.

OnStar Level Adjustment

To adjust the OnStar volume level find the **Black/Yellow** wire on the 14-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.

Aftermarket radio and amplifier wiring

OPTIONAL

SP-2003

TO AFTERMARKET
FRONT AMPLIFIER

GM 30 PIN

TO AFTERMARKET
REAR AMPLIFIER

LF+
LF-
RF+
RF-

BLACK/YELLOW
BLACK/WHITE

LR+
LR-
RF+
RR-

REQUIRED

SP-2003

18 PIN

2 PIN

GMOS-LAN-03

YEL
BLK

ORANGE
ORANGE/WHITE

16 PIN

RED
GREEN
BLUE/PINK
GREEN/PURPLE
BROWN
BLUE/WHITE

LF+
LF-
RF+
RF-

CHIME VOLUME
ADJUSTMENT

RADIO