



INSTALLATION INSTRUCTIONS FOR PART GMOS-LAN-07

GMOS-LAN-07

GM LAN **amplified OnStar** Interface 2012-up

(Vehicles equipped with OE Navigation)

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.)
- Prewired ASWC harness included (ASWC sold separately)
- Retains OnStar/OE Bluetooth
- Adjustable volume for chimes and OnStar
- High level speaker input
- USB updatable
- Retains balance and fade

INTERFACE COMPONENTS

- GMOS-LAN-07 interface
- 16-pin harness with stripped leads
- 18-pin harness to 44-pin GM harness with stripped leads

TOOLS REQUIRED

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

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 to the instructions included with the aftermarket radio.



GM05-LAN-07

Applications

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

CADILLAC

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| Escalade | 2012-up |
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CHEVROLET

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| Avalanche | 2012-up |
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| Cheyenne | 2012-2013 |
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| Silverado | 2012-2013 |
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| Silverado 2500/3500 | 2014 |
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| Suburban | 2012-up |
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| Tahoe | 2012-up |
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GMC

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| Sierra | 2012-2013 |
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| Sierra 2500/3500 | 2014 |
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| Yukon | 2012-up |
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Connections to be made

From the 16-pin harness:

- Connect the **Red** wires 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, tape off the **Orange/White** wire.

Connections to be made

- 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 **Blue/White** wire to the radio's amp turn on wire. Note, wire must be connected even if there isn't an AMP in the vehicle.
- 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. Note, if the Mute wire is not connected the radio will turn off when OnStar is active.
- 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 GM05-LAN-07.



GMOS-LAN-07

Connections to be made

From the 44-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-07.
- 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-07

- With all connections completed to the aftermarket radio, plug the 44-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.

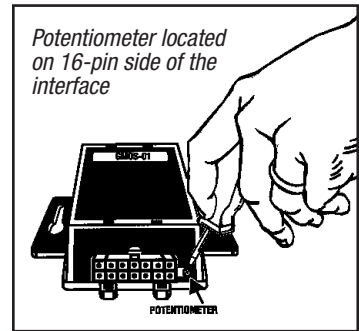
Testing the GMOS-LAN-07

- 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

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

- 1) With the key out of the ignition and door open turn on your headlights. The chimes should start chiming.
- 2) Wait 10 seconds, then with a small screwdriver adjust the potentiometer clockwise to raise chime level and counterclockwise to lower the chime level.
- 3) When the volume is at the desired level turn off your headlights. This will lock the chime volume at its current level.



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INSTALLATION INSTRUCTIONS FOR PART GM05-LAN-07

Testing the GM05-LAN-07

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-1 harness)

This 12-pin harness is to be used in conjunction with the ASWC-1 (not included). Please refer to ASWC-1 instructions for programming.