



Installation instructions for GMOS-LAN-09

GMOS-LAN-09 LAN-29 data interface 2014-up

FEATURES

- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (retained accessory power)
- Used in non-amplified systems
- Retains chimes
- Provides NAV outputs (parking brake, reverse, mute, and speed sense)
- Retains OnStar/OE Bluetooth
- Adjustable volume for chimes and OnStar
- Retains OE AUX input
- High level speaker input
- USB updatable
- Retains balance and fade
- Prewired ASWC-1 harness (ASWC-1 sold separately)

APPLICATIONS

CHEVROLET

Colorado	2015-up
Silverado 1500	2014-up
Silverado 2500/3500	2015-up
Suburban	2015-up
Tahoe	2015-up

GMC

Canyon	2015-up
Sierra 1500	2014-up
Sierra 2500/3500	2015-up
Yukon	2015-up

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INTERFACE COMPONENTS

- GMOS-LAN-09 interface
- GMOS-LAN-09 harness
- 16-pin harness with stripped leads

TOOLS REQUIRED

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

CAUTION! Metra recommends disconnecting the negative battery terminal before beginning any installation, unless the vehicle manufacturer recommends against so. Please check with your local Dealership for more information. All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before reconnecting the battery or cycling the ignition. Also, do not remove the factory radio with the key in the on position, or the vehicle running. It would be best to remove the key from the ignition and then wait a few seconds before removing the factory radio.



GM05-LAN-09

Connections to be made

From the 16-pin harness with stripped leads to the aftermarket radio:

- Connect the (2) **Red** wires to the accessory wire.
Note: If installing the ASWC-1, there will be an accessory wire in the 12-pin harness to connect as well.
- Connect the **Orange/White** wire to the illumination wire. If the aftermarket radio has no illumination wire, tape off the Orange/White wire.
- Connect the **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- Connect the **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right front negative speaker output.
- Connect the **Brown** wire to the mute wire.

*Note: If the aftermarket radio does not have a mute wire, tape up the **Brown** wire. If the **Brown** wire is not connected, the radio will turn off when OnStar is activated.*

The following (3) wires are for multimedia/navigation radios that require these wires.

- Connect the **Light Green** wire to the parking brake wire.
- Connect the **Blue/Pink** wire to the speed sense wire.
- Connect the **Green/Purple** wire to the reverse wire.

From the GM05-LAN-09 harness:

(a) 16-pin harness to the aftermarket radio:

- Connect the **Yellow** wire to the 12-volt battery wire.
- Connect the **Black** wire to the ground wire.
- Connect the **Green** wire to the left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative speaker output.

(b) 22-pin harness to the aftermarket radio:

- The **Black/Yellow** wire is for the OnStar volume adjustment. This will be discussed in the OnStar Level Adjustment section of this instruction.
- The DIN connector is for use with the optional AX-LCD (sold separately). This will give you the option of changing the settings in your personalization menu.

(c) 20-pin harness to the aftermarket radio:

- Connect the **White** RCA to the aftermarket radio's left Audio AUX in.
- Connect the **Red** RCA to the aftermarket radio's right Audio AUX in.

Note: To retain the factory 3.5mm jack, the radio must have an Audio AUX in.

- Connect the **Yellow** RCA jack to the backup camera input jack.

Note: Only connect this jack if the RPO code 103 is present in the "Service Parts Identification" sticker located inside the glove box. If this code is not present, use the BACKUPCAM-3 harness (sold separately) to retain the factory backup camera.



GM05-LAN-09

Connections to be made

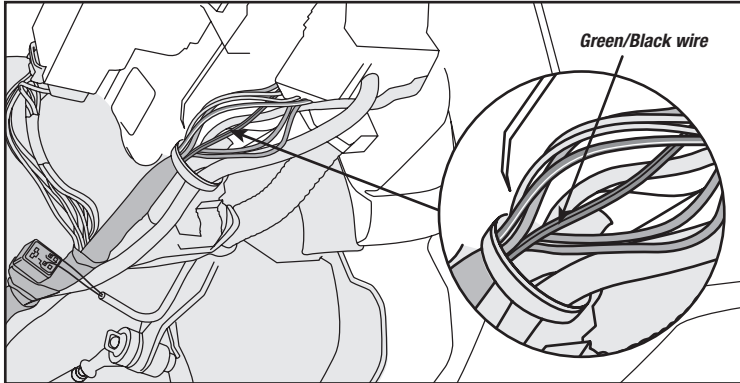
(d) 12-pin pre-wired ASWC-1 harness:

- This harness is to be used in conjunction with the optional ASWC-1 (not included) to retain steering wheel controls. If the ASWC-1 is not being used, disregard this harness. If it will be used, please refer to the ASWC-1 instructions for radio connections and programming.

Note: Disregard the harness that comes with the ASWC-1.

To the aftermarket radio:

- Connect the **Red** wire to the accessory wire.



(Figure A)

Connections to be made

To the vehicle:

Note: The Canyon/Colorado may be different.

- Connect the **Green/Black** wire to **Green/Black** wire in the black, 8-pin connector below the steering column, on the bottom side. (Figure A)

Note: The relay attached to the GM05-LAN-09 harness is only for audible turn signal clicks. No extra steps are required to retain this feature, so leave the relay as-is.

Installing the GM05-LAN-09

- Connect the 16-pin harness with stripped leads into the interface.
- Connect the 14-pin, 16-pin and 20-pin harness into the vehicle.
- With all connections completed, reconnect the negative battery terminal.

Initializing the GM05-LAN-09

Attention! If the interface loses power for any reason, the following steps will need to be performed again. Also, if installing an ASWC-1 connect it after you initialize and test the interface/radio, with the key in the off position.

- Turn the key (or push-to-start button) to the ignition position and wait until the radio comes on.

Note: If the radio does not come on within 60 seconds, turn the key to the off position, disconnect the interface, check all connections, reconnect the interface, and then try again.

- Turn the key to the off position, and then to the accessory position. Test the interface/radio for proper operation.



Installation instructions for GM05-LAN-09

Adjusting the GM05-LAN-09

AX-LCD adjustment

- Press and hold the “Return/ESC” button on the LCD screen for 5 seconds until “Select Interface” comes up.
- Select “Connection Type”, and then press “Enter”
- Scroll up or down to “Gateway”, and then press “Enter”
- Once done, press the “Return/ESC” button two times to get back to the main menu.

Chime Volume Adjustment

- With the vehicle on, turn it off and leave the key in the ignition. Open the driver’s door; chimes will be heard.
- Wait 10 seconds, and then with a small flat-blade screwdriver, turn the potentiometer clockwise to raise the chime level; counterclockwise to lower the chime level.

***Note:** The potentiometer is located on the side of the interface where the 16-pin harness with stripped leads is connected to.*

Chime Volume Adjustment (continued)

- When the chime level is at a desired level, remove the key from the ignition. This will lock the chime volume at its current level.

OnStar Level Adjustment

- Press the OnStar button to activate it.
- While OnStar is speaking, press the VOLUME UP or VOLUME DOWN buttons on the steering wheel to raise or lower the OnStar level.

OnStar Level Adjustment

- If the vehicle does not come equipped with steering wheel controls, find the **Black/ Yellow** wire on the 22-pin harness.
- While OnStar is speaking, tap the Black/ Yellow wire to ground. Once the OnStar level is set, it will stay at that level until the Black/ Yellow wire is tapped to ground again.