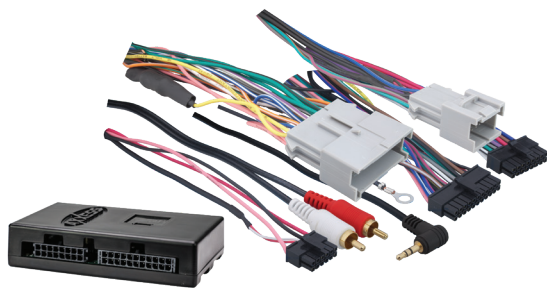


### GM Class-2 data interface 2000-2013



#### INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Maintains the retained accessory power (R.A.P.) feature
- Can be used in non-amplified, or analog/digital amplified models
- Retains warning chimes
- Provides NAV outputs (parking brake, reverse, speed sense)
- Pre-wired ASWC-1 harness (ASWC-1 sold separately)

† Excluding digital amplified models

‡ Only for models that have the RSE controlled through the factory radio. Not for models that have an external power button at the RSE.

#### APPLICATIONS

See inside front cover

- Retains OnStar/OE Bluetooth
- Adjustable volume for chimes and OnStar
- Retains balance and fade†
- Retains RSE (rear seat entertainment) ‡
- Retains SAT (satellite radio)
- Micro “B” USB updatable

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#### INTERFACE COMPONENTS

- GMOS-014 interface • GMOS-014 harness
- 16-pin harness with stripped leads
- 4-pin to 4-pin resistor pad harness

#### TOOLS REQUIRED

- Crimping tool and connectors, or solder gun, solder, and heat shrink • Small flat-blade screwdriver • Tape • Wire cutter • Zip ties

**CAUTION!** All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before cycling the ignition. Also, do not remove the factory radio with the key in the on position, or while the vehicle is running.

# APPLICATIONS

## BUICK

Century	2004-2005
Lacrosse	2005-2009
Rainier	2005-2007
Rainier*	2004
Regal	2004
Rendezvous	2002-2007
Terraza	2005-2007

## CADILLAC

Escalade **	2003-2006
Escalade ESV **	2003-2006
Escalade EXT **	2003-2006

## CHEVROLET

Avalanche*	2003-2006
Cavalier	2000-2005
Colorado	2004-2012
Corvette	2005-2013
Express	2003-2007
Impala	2000-2005
Kodiak	2003-2009
Malibu	2001-2003
Malibu Classic	2004-2005
Monte Carlo	2000-2005
Silverado Classic*	2007

## CHEVROLET (CONT)

Silverado*	2003-2006
SSR*	2003-2006
Suburban*	2003-2006
Tahoe*	2003-2006
Trailblazer	2005-2009
Trailblazer*	2002-2004
Uplander	2005-2008

## GMC

Canyon	2004-2012
Envoy	2005-2009
Envoy*	2002-2004
Savanna	2003-2007
Sierra Classic*	2007
Sierra*	2003-2006
TopKick	2005-2009
Yukon*	2003-2006

## HUMMER

H2**	2003-2007
H3/H3T	2006-2010

## ISUZU

Ascender	2003-2008
H Series	2003-2008
I Series pickups	2006-2008

## OLDSMOBILE

Alero	2001-2004
Bravada*	2002-2004
Intrigue	2002

## PONTIAC

Aztec	2001-2005
Grand Am	2001-2005
Grand Prix	2004-2008
Montana SV6	2005-2008
Sunfire	2000-2005

## SAAB

9-7X	2005-2009
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## SATURN

Relay	2005-2007
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\* These vehicles have a digital amplifier option. Please refer to the Service Parts Identification sticker located in the glove box (for all models except for the Buick Regal which is on the spare tire cover). If the codes UQA or Y91 are present, then you have a digital amplifier.

\*\* These vehicle come standard with a digital amplifier.

## CONNECTIONS TO BE MADE

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

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

**Note:** If installing the ASWC-1, there will be an accessory wire on 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 **Blue/White** wire to the amp turn on wire (this wire must be connected to hear sound from the factory amplifier).
- Connect the **Brown** wire to the mute wire of the aftermarket radio. If the radio has no mute wire, tape it off and disregard it.
- 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 following (4) wires ONLY if your vehicle comes equipped with a digital amplifier:

- 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 output.

The following (3) wires are for an aftermarket multimedia/navigation radio that provide these wires (if not required, tape them off and disregard them):

- Connect the **Light Green** wire to the parking brake wire (if applicable).
- Connect the **Blue/Pink** wire to the speed sense wire (V.S.S.) (if applicable).

**Note:** Some models do not have this circuit on the data-bus. Refer to the 12-pin GM harness to the aftermarket radio instructions. If you do not have a wire populated on the factory side, connect this wire instead.

- Connect the **Green/Purple** wire to the reverse wire (if applicable).

## CONNECTIONS TO BE MADE *(CONT)*

### From the GMOS-014 harness:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the battery wire.
- If installing either an ASWC-1 or AX-LCD (both sold separately), connect the (2) **Red** wires to accessory power.

**The following wiring is ONLY required if your vehicle DOES NOT come equipped with a digital amplifier:**

#### **(1) For analog amplified models ONLY:**

- 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 output.
- Disconnect the 4-pin harness located between the 24-pin and 22-pin harness, and then connect the supplied 4-pin to 4-pin resistor pad harness.

#### **(2) For non-amplified models ONLY:**

- Cut the resistors off from the **Green**, **Green/Black**, **Purple**, and **Purple/Black** wires below the heat shrink.
- 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 output.

**Note:** *The 4-pin to 4-pin resistor pad harness will not be used in this application.*

- The **Black/Yellow** wire is used for OnStar level adjustment for models that do not come equipped with steering wheel controls. See OnStar Level Adjustment for further instructions.
  - If the **Blue/Pink** wire is populated on the factory side, connect this wire to the speed sense wire (V.S.S.) (if applicable).
  - Connect the RCA jacks to the audio AUX-IN (if so equipped).
- Note:** This will only be required if you care to retain the factory rear seat entertainment, or satellite radio.
- The DIN plug is for use with the optional AX-LCD (sold separately). Refer to “Extra Features” for more information.

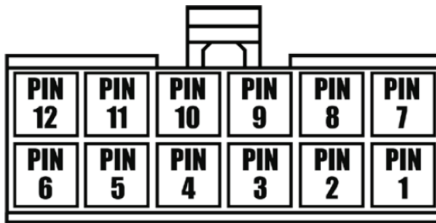
*Continued on the next page*

## CONNECTIONS TO BE MADE (CONT)

### 12-pin pre-wired ASWC-1 harness:

This harness is to be used along with the optional ASWC-1 (sold separately) to retain steering wheel audio controls. If the ASWC-1 is not being used, disregard this harness. If the ASWC-1 will be used, please refer to the ASWC-1 instructions for radio connections and programming. Disregard the harness that comes with the ASWC-1.

- The following wire(s) must be cut before programming the ASWC-1:



*(This is the wire view of the connector.)*

### BUICK

Century	Pin-1, Pin-2	2004-2005
LaCrosse	Pin-1, Pin-2	2005-2009
Rainier	Pin-2, Pin-3, Pin-4	2004-2007
Regal	Pin-1, Pin-2	2004
Rendezvous	Pin-1	2002-2007
Terraza	Pin-1	2005-2007

### CADILLAC

Escalade	Pin-2, Pin-3, Pin-4	2003-2006
Escalade ESV	Pin-2, Pin-3, Pin-4	2003-2006
Escalade EXT	Pin-2, Pin-3, Pin-4	2003-2006

### CHEVROLET

Avalanche	Pin-2, Pin-3, Pin-4	2003-2006
Cavalier	Pin-2, Pin-3, Pin-4	2000-2005
Colorado	Pin-2, Pin-3, Pin-4	2004-2012
Corvette	Pin-1, Pin-4	2007-2011
Corvette	Pin-1	2012-2013
Impala	Pin-1, Pin-2, Pin-4	2000-2005
Malibu	Pin-1, Pin-2, Pin-4	2001-2003
Malibu Classic	Pin-1, Pin-2, Pin-4	2004-2005
Monte Carlo	Pin-1, Pin-2, Pin-4	2000-2005
Silverado	Pin-2, Pin-3, Pin-4	2003-2006
Silverado Classic	Pin-2, Pin-3, Pin-4	2007
SSR	Pin-2, Pin-3, Pin-4	2003-2006
Suburban	Pin-2, Pin-3, Pin-4	2003-2006
Tahoe	Pin-2, Pin-3, Pin-4	2003-2006
Trailblazer	Pin-2, Pin-3, Pin-4	2002-2009
Uplander	Pin-1, Pin-2, Pin-4	2005-2008

### GMC

Canyon	Pin-2, Pin-3, Pin-4	2004-2012
Envoy	Pin-2, Pin-3, Pin-4	2002-2009

### GMC (CONT)

Sierra	Pin-2, Pin-3, Pin-4	2003-2006
Sierra Classic	Pin-2, Pin-3, Pin-4	2007
Yukon / Yukon XL	Pin-2, Pin-3, Pin-4	2003-2006

### HUMMER

H2	Pin-2, Pin-3, Pin-4	2003-2007
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### ISUZU

Ascender	Pin-2, Pin-3, Pin-4	2003-2008
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### OLDSMOBILE

Alero	Pin-1, Pin-2, Pin-4	2001-2004
Bravada	Pin-2, Pin-3, Pin-4	2002-2004
Intrigue	Pin-1, Pin-2, Pin-4	2002

### PONTIAC

Aztec	Pin-1, Pin-2, Pin-4	2001-2005
Grand Am	Pin-1, Pin-2, Pin-4	2001-2005
Grand Prix	Pin-1, Pin-2, Pin-4	2004-2008
Montana SV6	Pin-1, Pin-2, Pin-4	2005-2006
Sunfire	Pin-2, Pin-3, Pin-4	2000-2005

### SAAB

9-7X	Pin-2, Pin-3, Pin-4	2005-2009
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### SATURN

Relay	Pin-1, Pin-2, Pin-4	2005-2007
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## INSTALLING THE GMOS-014

### With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the GMOS-014 harness, into the interface.
- If an ASWC-1 (sold separately) will be used, do not connect it until the GMOS-014 is programmed and fully functional.

**Attention!** Do not connect the GMOS-014 harness to the wiring harness in the vehicle just yet.

## PROGRAMMING THE GMOS-014

For the steps below, the L.E.D. located inside the interface can only be seen while active. The interface does not need to be opened to see the L.E.D.

1. Start the vehicle.
2. Connect the GMOS-014 harness to the wiring harness in the vehicle. The L.E.D. will initially be **Green** to indicate the interface is powered.
3. After a few seconds the L.E.D. will turn on solid **Red** while the interface automatically programs to the vehicle. The radio will shut off at this point. This process should take 5 to 30 seconds.
4. After the interface is programmed, the L.E.D. will turn on solid **Green**, and the radio will come back on, indicating programming was successful.
5. Test all functions of the installation for proper operation, before reassembling the dash.
6. If the interface fails to function, refer to “Resetting the interface”.

## ADJUSTING THE GMOS-014

### Chime level adjustment:

- With the vehicle on, turn it off and leave the keys in 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.
- When the chime level is at a desired level, remove the keys from the ignition. This will lock the chime volume at its current level.

### Audio level adjustment (digital amplified models only):

- With the vehicle and radio turned on, turn the volume up 3/4 of the way.
- With a small flat-blade screwdriver, adjust the potentiometer clockwise to raise the audio level; counterclockwise to lower the audio level.
- Once at a desired level, your audio level adjustment is complete.

### 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.
- 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.

## EXTRA FEATURES

### Factory rear seat entertainment and satellite radio control (in select vehicles):

- If your vehicle comes equipped with rear seat entertainment, or factory satellite radio, the GMOS-014 can retain these features.
- Change the source of the radio to AUX-IN; the satellite radio will start playing.
- The optional AX-LCD (sold separately) will now display your satellite radio information.
- Listed below are the functions of the AX-LCD buttons while using the satellite radio:

 **Arrow up** - Channel up.

 **Arrow down** - Channel down.

 **Enter** - Selects current item on the screen.

 **Return/ESC** - Exits to previous screen.

- To access the rear seat entertainment, press and hold the SOURCE button on the steering wheel for 2 seconds. Do this again to get back to the satellite radio.

## TROUBLESHOOTING

### Resetting the Axxess interface

1. The **Blue** reset button is located inside the Axxess interface, between the two connectors. The button is accessible outside the Axxess interface, no need to open the Axxess interface.
2. Press and hold the reset button for two seconds, then let go to reset the Axxess interface.
3. Refer to “Programming the Axxess Interface” from this point.



# GMOS-014

INSTALLATION INSTRUCTIONS



## IMPORTANT

*If you are having difficulties with the installation of this product, please call our Tech Support line at 1-800-253-TECH. Before doing so, look over the instructions a second time, and make sure the installation was performed exactly as the instructions are stated. Please have the vehicle apart and ready to perform troubleshooting steps before calling.*



## KNOWLEDGE IS POWER

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