



## Installation instructions for part GMOS-04

# GMOS-04 GM Data Interface 2000-2013

### INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (retained accessory power)
- Provides NAV outputs (parking brake, reverse, speed sense)
- Retains chimes
- Pre-wired ASWC-1 harness (ASWC-1 sold separately)
- Retains OnStar / OE Bluetooth
- Adjustable OnStar level
- Designed for amplified models
- Retains balance and fade
- USB-CAB updatable (sold separately)

### INTERFACE COMPONENTS

- GMOS-04 interface
- GMOS-04 harness
- 16-pin harness with stripped leads

### APPLICATIONS

*See inside front cover*

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### TOOLS REQUIRED

- Wire cutter • Crimp tool • Solder gun • Tape
- Connectors (example: butt-connectors, bell caps, etc.)
- Small flat-blade screwdriver

**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.

REV. 3/13/2017 NSTGMOS-04



**Axxess Integrate**

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GM05-04

## Applications

### BUICK

Century	2004-2005
LaCrosse	2005-2009
Rainier	2004-2007
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 C4500-C8500	2003-2009
Malibu	2001-2003
Malibu <i>Classic</i>	2004-2005
Monte Carlo	2000-2005

### CHEVROLET (CONT)

Silverado	2003-2006
Silverado <i>Classic</i>	2007
SSR	2003-2006
Suburban	2003-2006
Tahoe	2003-2006
Trailblazer	2002-2006
Trailblazer	2007-2009
Uplander	2005-2008

### GMC

Canyon	2004-2012
Envoy	2002-2006
Envoy	2007-2009
Savanna	2003-2007
Sierra	2003-2006
Sierra <i>Classic</i>	2007
TopKick C4500-C8500	2005-2009
Yukon	2003-2006

### HUMMER

H2	2003-2007
H3/H3t	2006-2010

### ISUZU

Ascender	2003-2008
H-Series	2003-2008
I-Series	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	2005-2006
Sunfire	2000-2005

### SAAB

9-7x	2005-2009
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### SATURN

Relay	2005-2007
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## GMOS-04

### Connections to be made

**Attention!** This vehicle may come equipped with a digital amplifier. Ensure that the factory radio was removed with all settings in their default positions.

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

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

**Note:** If installing an ASWC-1 (sold separately), there will be an accessory wire there to connect as well.

- Connect the **Blue/White** wire to the amp turn on wire. This wire must be connected to hear sound from the factory amplifier.
- If the aftermarket radio has an illumination wire, connect the **Orange/White** wire to it.

**Note:** There is an **Orange/White** wire on the GMOS-04 harness also. If a wire is populated on the factory wiring harness, use that wire instead.

- If the aftermarket radio has a mute wire, connect the **Brown** wire to it. If the mute wire is not connected, the radio will turn off when OnStar is activated.
- 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 **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- 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 only for multimedia/navigation radios that require these wires.

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

#### From the GMOS-04 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the battery wire.
- If the aftermarket radio has an illumination wire, connect the **Orange** wire to it.

**Note:** Only connect this wire if it is populated on the factory wiring harness. Otherwise use the **Orange/White** wire on the 16-pin harness with stripped leads.

- The **Black/Yellow** wire is used for OnStar level adjustment for models that do not come equipped with steering wheel controls. Refer to the OnStar level Adjustment section for further instructions.
- Tape off and disregard the following (1) wire, it will not be used in this application: **Orange/White**.

*Continued on the next page*



GM05-04

## Connections to be made *(cont.)*

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

- This harness is to be used along with the optional ASWC-1 (not included) to retain steering wheel audio 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.*

- Connect the **Red** wire to the accessory wire.
- The following wire(s) must be cut before programming the ASWC-1:
  - \* For the following vehicles cut the **White/Green**, **Green/Orange**, and **Orange/Green** wires.
  - \*\* For the following vehicles cut the **White/Green**, **Pink**, and **Green/Orange** wires.
  - \*\*\* For the following vehicles cut the **Pink** and **Green/Orange** wires.
  - † For the following vehicles cut the **White/Green** and **Pink** wires.
  - ‡ For the following vehicles cut the **Pink** wire.

### BUICK

Century †	2004-2005
LaCrosse †	2005-2009
Rainier *	2004-2007
Regal †	2004
Rendezvous ‡	2002-2007
Terraza ‡	2005-2007

### CADILLAC

Escalade, Escalade ESV & EXT *	2003-2006
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### CHEVROLET

Avalanche *	2003-2006
Cavalier *	2000-2005
Colorado *	2004-2012
Corvette ***	2007-2011
Corvette ‡	2012-2013
Impala **	2000-2005
Malibu	2001-2003
Malibu Classic	2004-2005
Monte Carlo **	2000-2005

### CHEVROLET *(continued)*

Silverado *	2003-2006
Silverado Classic *	2007
SSR *	2003-2006
Suburban *	2003-2006
Tahoe *	2003-2006
Trailblazer *	2002-2009
Uplander **	2005-2008

### GMC

Canyon *	2004-2012
Envoy *	2002-2009
Sierra *	2003-2006
Sierra Classic *	2007
Yukon *	2003-2006
Yukon XL *	2003-2006

### HUMMER

H2 *	2003-2007
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### ISUZU

Ascender *	2003-2008
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### OLDSMOBILE

Alero **	2001-2004
Bravada *	2002-2004
Intrigue **	2002

### PONTIAC

Aztec **	2001-2005
Grand Am **	2001-2005
Grand Prix **	2004-2008
Montana SV6 **	2005-2006
Sunfire *	2000-2005

### SAAB

9-7x *	2005-2009
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### SATURN

Relay **	2005-2007
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## GMOS-04

### Installing the GMOS-04

#### With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the GMOS-04 harness, into the interface.
- Connect the GMOS-04 harness to the wiring harness in the vehicle.

**Note:** If using the ASWC-1, connect it after you initialize and test the GMOS-04, with the key in the off position.

### Initializing the GMOS-04

**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, pause for a moment, and then to the accessory position. Test all functions of the installation for proper operation, before reassembling the dash.

### Adjusting the GMOS-04

#### Audio level adjustment:

- 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, audio level adjustment is complete.

#### Chime level adjustment (for models *without* a digital amplifier \*):

- 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 screwdriver, turn the potentiometer clockwise to raise the chime level; counterclockwise to lower the chime level.
- When the chime is at a desired level, remove the keys from the ignition. This will lock the chime volume at its current level.

\* Please reference the "Service Parts Identification" sticker located in the glove box for the RPO code Y91. If Y91 is present, then the vehicle is equipped with a digital amplifier. Refer to the vehicle owner's manual to adjust the chimes.

#### OnStar Level Adjustment

- Press the OnStar button to activate it.
- While OnStar is speaking, press the VOLUME UP or VOLUME DOWN button on the steering wheel to raise or lower the OnStar level.
- If the vehicle does not come equipped with steering wheel controls, or they no longer function, locate the **Black/Yellow** wire on the GMOS-04 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.



## Installation instructions for part GM05-04



### 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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**Metra recommends MECP  
certified technicians**

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