

### Saturn OnStar interface 2004-2005

#### INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Maintains the retained accessory power (R.A.P.) feature
- Retains OnStar/OE Bluetooth
- Adjustable volume for OnStar
- Designed for non-amplified models with OnStar
- Retains balance and fade
- Micro "B" USB updatable



#### INTERFACE COMPONENTS

- GMOS-12 Interface
- GMOS-12 harness
- 16-pin harness with stripped leads

#### APPLICATIONS

##### SATURN

Ion	2004-2005
Vue	2004-2005

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#### TOOLS REQUIRED

- Crimping tool and connectors, or solder gun, solder, and heat shrink
- 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.

## CONNECTIONS TO BE MADE

### From the 16-pin harness with stripped leads:

- Connect the **Red** wire to the ignition/accessory wire.
- Connect the **White** wire to the left front positive speaker wire.
- Connect the **White/Black** wire to the left front negative speaker wire.
- Connect the **Gray** wire to the right front positive speaker wire.
- Connect the **Gray/Black** wire to the right front negative speaker wire.
- 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.
- Tape off and disregard the following (6) wires, they will not be used in this application:  
**Orange/White, Blue/Pink, Green, Green/Black, Purple, Purple/Black**

### From the GMOS-12 harness to the aftermarket radio:

- Connect the **Yellow** wire to the 12 volt constant/battery wire.
- Connect the **Black** wire to the ground wire.
- Connect the **Orange** wire to the illumination wire of the aftermarket radio. If no illumination wire is present, tape it off and disregard it.
- Tape off and disregard the **Orange/White** wire, it will not be used this application.
- Connect the **Green** wire to the left rear positive speaker wire.
- Connect the **Green/Black** wire to the left rear negative speaker wire.
- Connect the **Purple** wire to the right rear positive speaker wire.
- Connect the **Purple/Black** wire to the right rear negative speaker wire.
- The **Black/Yellow** wire is for OnStar volume adjustment and will be discussed later in this manual.

## INSTALLING THE GMOS-12

### With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the GMOS-12 harness, into the interface.

**Attention!** Do not connect the GMOS-12 harness to the wiring harness in the vehicle just yet.

## PROGRAMMING THE GMOS-12

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-12 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 “Troubleshooting”.

## ADJUSTING THE GMOS-12

### Onstar level adjustment:

- To adjust the OnStar volume level find the **Black/Yellow** wire on the 12-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.

## 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-12

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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