



INSTALLATION INSTRUCTIONS FOR PART GM05-10

GM05-10

Cadillac Amplified OnStar Interface

2003-2006

APPLICATIONS

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

CADILLAC

CTS	2003-2006
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SRX	2004-2006
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(SRX with RPO codes U2R U2S)

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.)
- Retains OnStar/OE Bluetooth
- Adjustable volume for chimes and OnStar
- High level speaker input
- USB updatable
- Retains balance and fade

INTERFACE COMPONENTS

GM05-10 interface • 16-pin harness with stripped leads • 14-pin harness to 16 and 20-pin 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.*



GMOS-10

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 is not used in this application.
- 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 **Green** wire to the radio's left rear positive speaker output.
- Connect the **Green/Black** wire to the radio's left rear negative speaker output.
- Connect the **Purple** wire to the radio's right rear positive speaker output.
- Connect the **Purple/Black** wire to the radio's right rear negative speaker output.
- Connect the **Blue/White** wire to the radio's amp turn on wire.
- 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.
- 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 GMOS-10.

From the 20-pin GM 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-10

The **Black/Yellow** wire is for the OnStar volume adjustment. This will be discussed in the OnStar Level Adjustment section of this instruction.

Installing the GMOS-10

- With all connections completed to the aftermarket radio, plug the 16 and 20-pin GM 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.



GM05-10

Testing the GM05-10

- 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.
- 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.

Chime Volume Adjustment

Please refer to your owner's manual to adjust the chime level.

Audio Level Adjustment

(Potentiometer located on 16-pin side of the interface)

- 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.

