



Cadillac*

CTS (Coupe) 2014, CTS-V 2008-2014

CTS (Coupe/Sedan) 2008-2013

* Please note this kit will not work in the Sport Wagon

KIT FEATURES

- ISO DIN radio provision with pocket
- ISO DDIN radio provision
- 99-3018HG - gloss black, 99-3018S - silver

KIT COMPONENTS

- A) Radio trim panel • B) Radio brackets • C) Pocket • D) Upper dash trim panel (for navigation models) • E) (2) Plastic washers • F) (2) Metal clips
- G) (4) #8 x 3/8" Phillips truss-head screws • H) (8) #8 x 3/8" Phillips pan-head screws • I) (2) Copper threaded inserts
- J) Auxess interface and wiring harness (not shown)

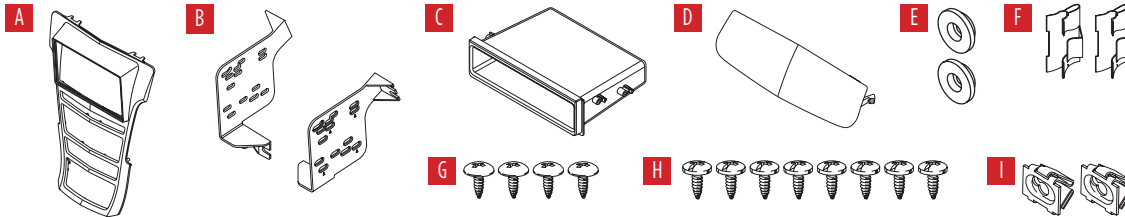


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WIRING & ANTENNA CONNECTIONS

- Wiring Harness: Auxess interface and harness included
- Antenna Adapter: 40-EU10 (sold sep.)
- Steering wheel control interface: ASWC-1 (sold sep.)
- Backup camera retention: BACKUPCAM-2 (sold sep.)

TOOLS REQUIRED

- Panel removal tool • 9/32" socket wrench
- T-10 Torx driver • Cutting tool • Phillips screwdriver

Attention! Let the vehicle sit with the key out of the ignition for a few minutes before removing the factory radio. When testing the aftermarket equipment, ensure that all factory equipment is connected before cycling the key to ignition.

DASH DISASSEMBLY

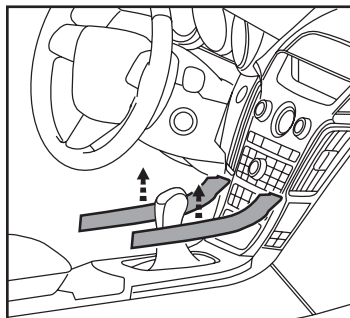
1. Remove the left and right shifter side trim panels. (Figure A)

2a. **Auto transmission vehicles:** Unclip the shifter trim. (Figure B)

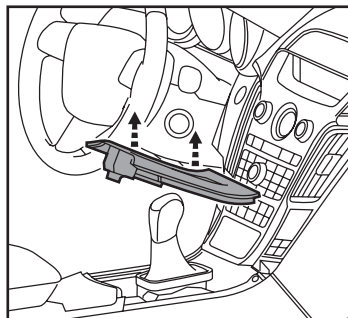
Note: The boot and knob will remain in place.

2b. **Manual transmission vehicles:** Unclip the shifter trim and pull straight up on the shift knob to remove the knob and trim as one unit. (Figure C)

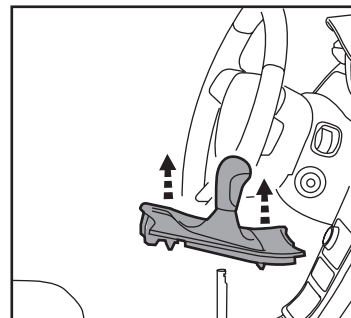
Note: This requires a lot of force, do not twist the knob or the locking tab inside the shift knob will break.



(Figure A)



(Figure B)



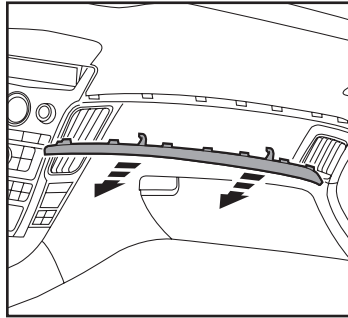
(Figure C)

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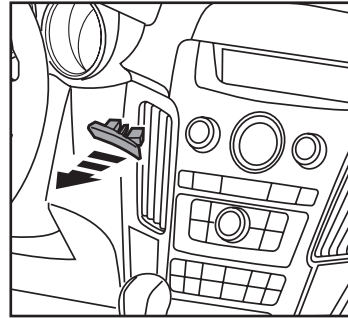
DASH DISASSEMBLY (CONT.)

3. Remove the dash trim on both sides of the radio panel. (Figures D, E)
4. Unclip the top dash radio trim (non-navigation models only). (Figure F)

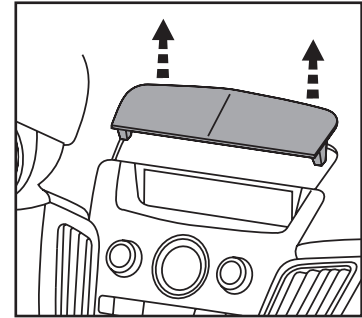
Note: There will be a strap connected to this panel that cannot be removed until step 5 is performed. After step 5, remove (1) 9/32" screw securing the strap and then remove the panel.



(Figure D)



(Figure E)



(Figure F)

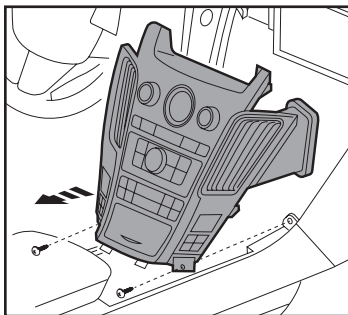
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DASH DISASSEMBLY (CONT.)

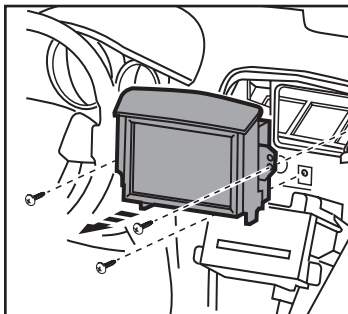
Unless otherwise stated, ensure that the vehicle is completely off before proceeding onto the following steps:

- Remove (2) 9/32" screws from the bottom of the radio/climate control panel and unplug & remove the panel (Figure G)

(WARNING!!! Do not unplug the panel if the vehicle has factory navigation, continue to step 6).



(Figure G)

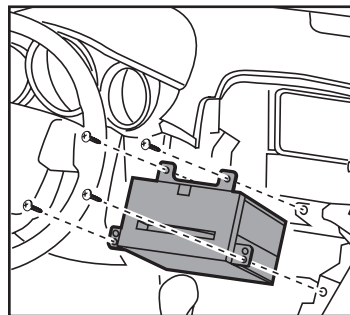


(Figure H)

- Navigation models only:** With the radio/climate control panel still connected, cycle the key to accessory, and then press the button on the upper left of the panel to raise the navigation screen. Remove (3) 9/32" screws holding the screen into the dash, unplug and remove the screen, turn the key to the off position, and then remove the key from the ignition. Now it is safe to unplug and remove the radio/climate control panel. (Figure I)

Note: Failure to follow this step properly will result in the airbag light illuminating in the instrument cluster.

- Remove (4) 9/32" screws from the radio chassis, and then unplug and remove the radio chassis from the dash. (Figure I)



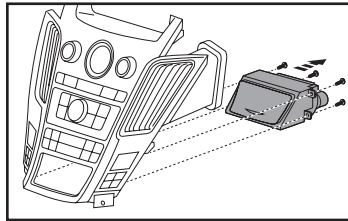
(Figure I)

Continue to Kit Preparation

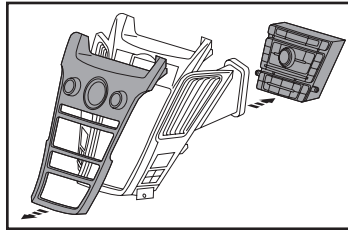
KIT PREPARATION

1. Remove (4) Phillips screws to remove the ashtray/pocket from the bottom of the radio/climate control panel. (Figure A)
2. Remove (4) T-10 Torx screws and (16) Phillips screws to remove the radio/climate controls, and radio/climate bezel from the panel. (Figure B)
3. Remove (4) Phillips screws to remove the upper screen trim panel.
4. Cut the radio/climate control panel clock support area as shown in the diagram. (Figure C)

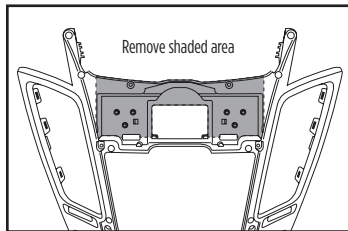
Note: Vent removal is optional.



(Figure A)



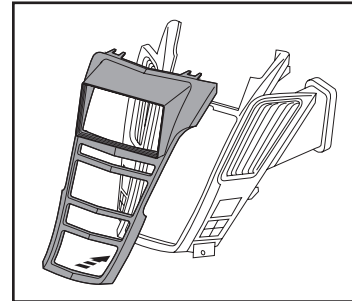
(Figure B)



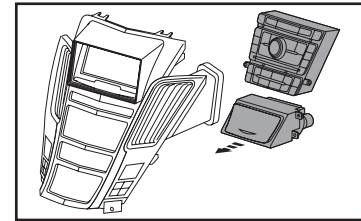
(Figure C)

5. Using either the factory hardware or the (8) #8 x 3/8" Phillips pan-head screws provided, secure the 99-3018 radio trim panel and factory components to the modified factory panel. (Figure D and E)
6. Use the (2) supplied plastic washers on the top two mounting positions. (Figure F)
7. Connect the left and right climate control connectors to the radio/climate control panel. (Figure G)

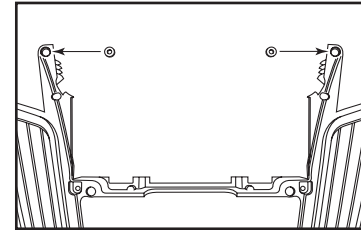
Continue to Kit Assembly



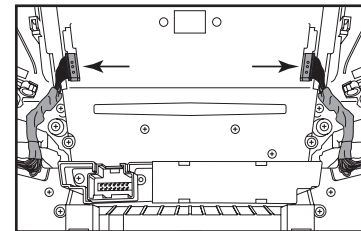
(Figure D)



(Figure E)



(Figure F)



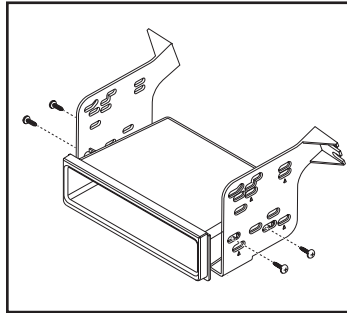
(Figure G)

KIT ASSEMBLY

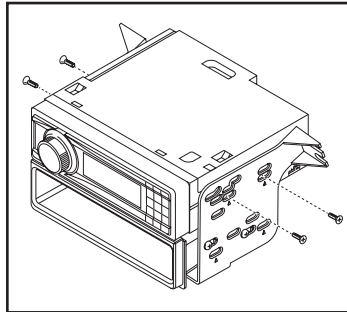
ISO DIN radio provision with pocket

1. Secure the *radio brackets* to the *pocket* using the (4) #8 x 3/8" Phillips screws provided. (Figure A)
2. Remove the metal DIN sleeve and trim ring from the aftermarket radio.
3. Slide the radio into the bracket/pocket assembly, then secure it using the screws supplied with the radio. (Figure B)

Continue to Axxess Interface Installation



(Figure A)

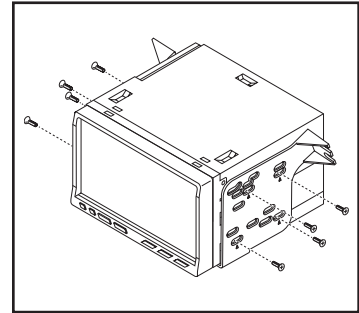


(Figure B)

ISO DDIN radio provision

1. Secure the radio brackets to the radio using the screws supplied with the radio. (Figure A)

Continue to Axxess Interface Installation



(Figure A)

AXXESS INTERFACE INSTALLATION

INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Maintains the Retained Accessory Power (R.A.P.) feature
- Provides NAV outputs (parking brake, reverse, speed sense)
- Retains warning chimes
- Retains OnStar/OE Bluetooth
- Adjustable volume for chimes and OnStar
- Retains the factory AUX-IN jack
- Pre-wired ASWC-1 harness (ASWC-1 sold separately)
- Can be used in non-amplified, or analog/digital amplified models*
- Retains balance and fade†
- Micro “B” USB updatable

* Please reference the “Service Parts Identification” sticker located under the spare tire cover. If the RPO code UQA is listed, then the vehicle is equipped with an analog “DELCO” amplifier. If the RPO code UQS is listed, then the vehicle is equipped with a digital “BOSE” amplifier.

† Excluding digital amplified models

INTERFACE COMPONENTS

- Axxess interface
- 3018 harness
- 16-pin harness with stripped leads
- 4-pin to 4-pin resistor pad harness

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TOOLS REQUIRED

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

CONNECTIONS

Attention! This interface will work with models that are either non-amplified, analog amplified, or digital amplified. Please follow the instructions carefully for your model vehicle. Failure to do so will result in either no sound, or low sound. If you are unsure if your vehicle is factory amplified or not, please contact your local dealership.

For models *without* an amplifier:

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

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

Note: If installing either an ASWC-1 or AX-LCD (both sold separately), connect the (2) **Red** wires from the 3018 harness as well.

- If the aftermarket radio has an illumination wire, connect the **Orange/White** wire to it.
- 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.

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.
- Tape off and disregard the following (5) wires, they will not be used in this application: **Blue/White, Purple, Purple/Black, Green, Green/Black**

From the 3018 harness to the aftermarket radio:

- 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.
- Cut off and remove the resistors 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 speaker output.
- Ensure the (2) 4-pin Molex connectors are connected together.

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

Continued on the next page

CONNECTIONS *(CONT.)*

- 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 **Pink** wire with a red bullet connector, it will not be used in this application.
- If retaining the factory AUX-IN jack is desired, connect the **Red** and **White** RCA jacks to the audio AUX-IN jacks from the aftermarket radio.

Note:

- a) The jack can only be used if it is a single jack.
- b) If the jack has a USB port as well, neither can be retained.

Attention! There is an 8-pin harness connected to a small heat shrink wrapped circuit board: **DO NOT DISCONNECT!** This circuit board must remain connected to allow proper operation of the climate controls.

Note: The relay attached to the 3018 harness is only for audible turn signal clicks. No extra steps are required to retain

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.

For models *with* an analog amplifier:

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

- Connect the **Red** wire to the accessory wire.
Note: If installing either an ASWC-1 or AX-LCD (both sold separately), connect the (2) **Red** wires from the 3018 harness 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.
- 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.

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

- Tape off and disregard the following (4) wires, they will not be used in this application:
Green, Green/Black, Purple, Purple/Black

From the 3018 harness to the aftermarket radio:

- 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.
- 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.
- Disconnect the (2) 4-pin Molex connectors and then attach the 4-pin to 4-pin resistor pad harness.
- 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 **Pink** wire with a red bullet connector, it will not be used in this application.

Continued on the next page

CONNECTIONS *(CONT.)*

- If retaining the factory AUX-IN jack is desired, connect the **Red** and **White** RCA jacks to the audio AUX-IN jacks from the aftermarket radio.

Note:

- a) The jack can only be used if it is a single jack.
- b) If the jack has a USB port as well, neither can be retained.

Attention! There is an 8-pin harness connected to a small heat shrink wrapped circuit board:
DO NOT DISCONNECT! This circuit board must remain connected to allow proper operation of the climate controls.

Note: The relay attached to the 3018 harness is only for audible turn signal clicks. No extra steps are required to retain this feature, so leave the relay as-is.

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.

For models *with* a digital amplifier:

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

- Connect the **Red** wire to the accessory wire.
Note: If installing either an ASWC-1 or AX-LCD (both sold separately), connect the (2) **Red** wires from the 3018 harness 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.
- 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 3018 harness to the aftermarket radio:

- 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.
- Ensure the (2) 4-pin Molex connectors are connected together.

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. Refer to the OnStar Level Adjustment section for further instructions.
- Tape off and disregard the **Pink** wire with a red bullet connector, it will not be used in this application.
- Tape off and disregard the following (4) wires, they will not be used in this application:
Green, Green/Black, Purple, Purple/Black

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CONNECTIONS (CONT.)

- If retaining the factory AUX-IN jack is desired, connect the **Red** and **White** RCA jacks to the audio AUX-IN jacks from the aftermarket radio.

Note:

- a) The jack can only be used if it is a single jack.
- b) If the jack has a USB port as well, neither can be retained.

Attention! There is an 8-pin harness connected to a small heat shrink wrapped circuit board: **DO NOT DISCONNECT!** This circuit board must remain connected to allow proper operation of the climate controls.

Note: The relay attached to the 3018 harness is only for audible turn signal clicks. No extra steps are required to retain this feature, so leave the relay as-is.

12-pin pre-wired ASWC-1 harness:

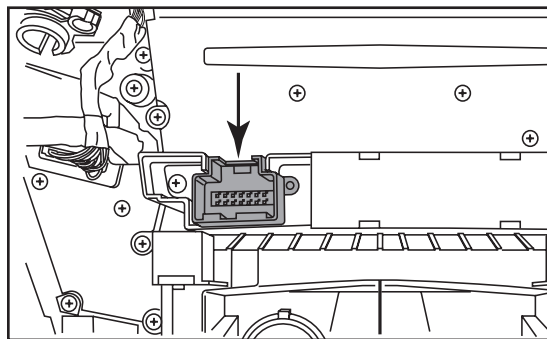
This harness is to be used along with the optional ASWC-1 (sold separately) to retain steering wheel audio controls. If the ASWC-1 is not being used, disregard this harness. If the ASWC-1 will be used, please refer to the ASWC-1 instructions for radio connections and programming. Disregard the harness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

INSTALLATION

With the key in the off position:

1. Connect the **16-pin harness with stripped leads**, and the **3018 harness**, into the Axxess interface.
2. Locate the factory antenna connector in the dash and complete all necessary connections to the radio. Metra recommends using the proper antenna adapter from Metra.
3. Complete all necessary connections to the factory radio/climate controls. (Figure A)
4. If an ASWC-1 (sold separately) will be used, do not connect it until the 99-3018S is programmed and fully functional.

Attention! Do not connect the 3018 harness to the wiring harness in the vehicle just yet.



(Figure A)

PROGRAMMING

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. Ensure all entry points are closed including the hood, then start the vehicle.
2. Connect the 3018 harness to the wiring harness in the vehicle. The L.E.D. will initially be solid **Green** to indicate the interface is powered.
3. After a few seconds the L.E.D. will turn 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. Once the interface has been programmed the L.E.D. will turn solid **Green**, then the radio will come back on, indicating programming was successful.
5. Turn the key (or push to start button) to the off position, then open and close the driver's door.
6. Wait for the domelight and interface L.E.D. to go out. Then, unplug the A/C connector shown in Figure A, of the **Installation** section, for 5 seconds.
7. Plug the connector back in, start the vehicle, then test all functions of the installation for proper operation.
8. If the interface fails to function, refer to "Troubleshooting", "Resetting the Axxess interface".

Note: The L.E.D. will turn on solid **Green** for a moment, and then turn off under normal operation after the key has been cycled.

ADJUSTMENTS

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, audio level adjustment is complete

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 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.

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 doesn't come equipped with steering wheel controls, locate the **Black/Yellow** wire on the 3018 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.

FINAL ASSEMBLY

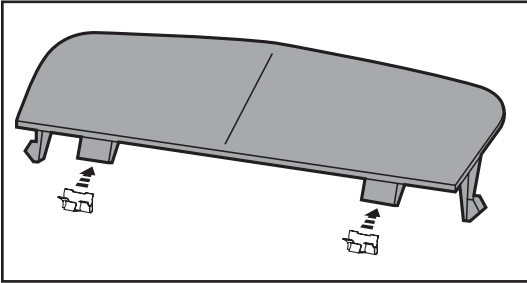
1a. For vehicles without factory navigation:

Insert the (2) **copper threaded inserts** provided with the kit into the empty upper radio mounting holes in the dash cavity, then secure the radio assembly to the dash using the factory screws.

1b. For vehicles with factory navigation:

a) Secure the radio assembly to the dash using the factory screws.
b) Attach the **metal panel clips** provided with the kit to the upper dash trim panel. A factory version of this panel is also available from the Dealership. (Figure A)

2. Reassemble the dash in reverse order of disassembly using the 99-3018S **radio trim panel** to complete the installation.



(Figure A)

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 the **Programming** section from this point.



99-3018
INSTALLATION INSTRUCTIONS



If you are having difficulties with the installation of this product, contact our Tech Support line either by phone at **1-800-253-TECH**, or email at **techsupport@metra-autosound.com**. Before doing so, look over the instruction booklet a second time and ensure that the installation was performed exactly as the instruction booklet is stated. Have the vehicle apart and ready to perform troubleshooting steps before contacting Metra/Axxess Tech Support.



KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto www.installerinstitute.com or call 800-354-6782 for more information and take steps toward a better tomorrow.



Metra recommends MECP certified technicians