



Radio Replacement Kit

Fits Select Cadillac* CTS (Coupe) **2014**,
CTS-V (Coupe) **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 sold separately (part # 88-00-9004)
- ISO DDIN radio provision
- Interface included to retain audio system and steering wheel controls.
- Painted silver

KIT COMPONENTS

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

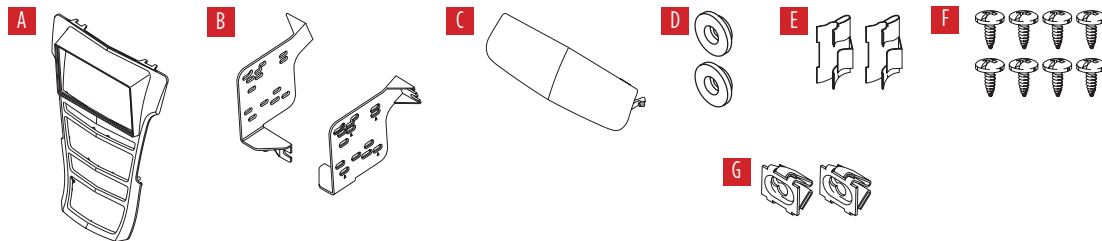


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WIRING & ANTENNA CONNECTIONS

Wiring Harness: Axxess interface and harness included
Antenna Adapter: 40-EU10 (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: With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections, especially the air bag indicator lights, are plugged in before reconnecting the battery or cycling the ignition to test this product.

NOTE: Refer also to the instructions included with the aftermarket radio.

DASH DISASSEMBLY

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

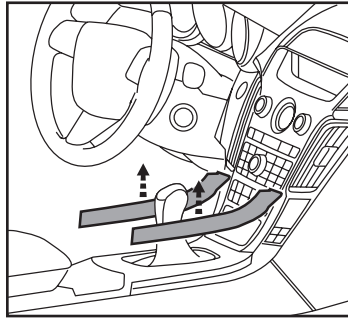
- 2a. **Auto transmission vehicles:** Unclip the shifter trim. (Figure B)

Note: The boot and knob will remain in place.

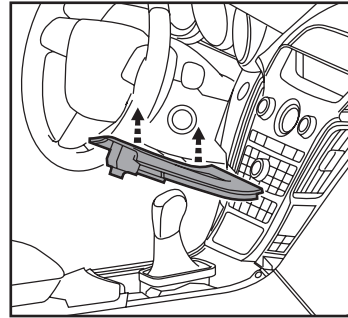
- 2b. **Manual transmission vehicles:** Unclip the shifter trim and pull straight up on the shift knob to remove the knob and trim as one unit. (Figure C)

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

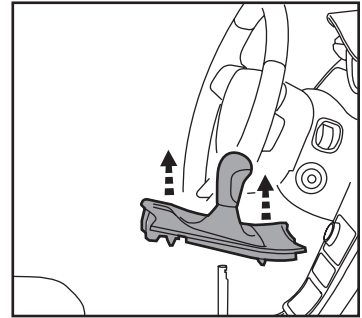
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(Figure A)



(Figure B)

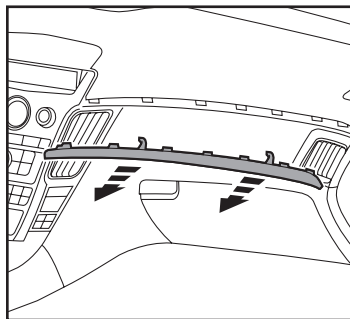


(Figure C)

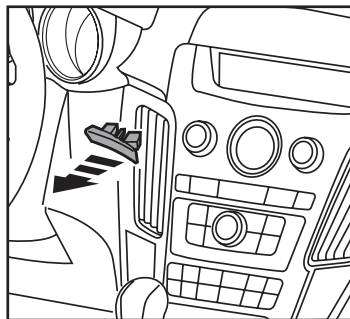
DASH DISASSEMBLY (CONT.)

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)

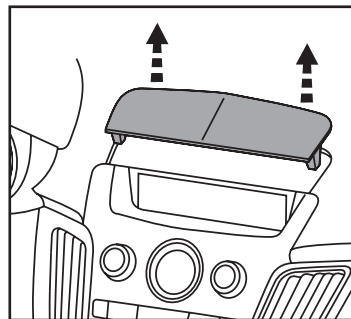
Note: There will be a strap connected to this panel that cannot be removed until step 5 is performed. After step 5, remove (1) 9/32" screw securing the strap and then remove the panel.



(Figure D)



(Figure E)



(Figure F)

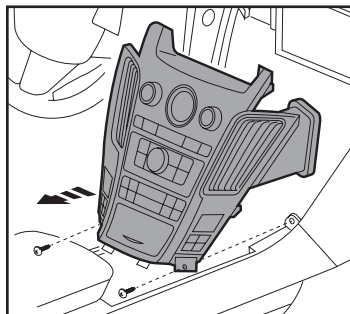
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DASH DISASSEMBLY (CONT.)

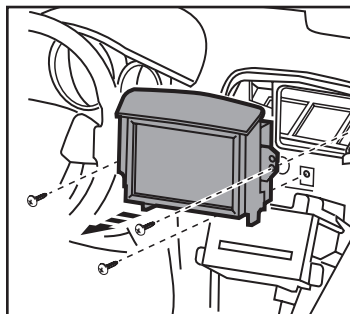
Unless otherwise stated, ensure that the vehicle is completely off before proceeding onto the following steps:

5. 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)



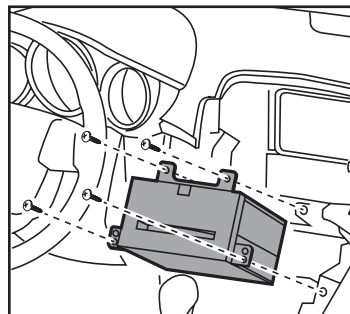
(Figure H)

6. **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.

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

Note: the factory radio chassis will be installed back into the dash in the final assembly.



(Figure I)

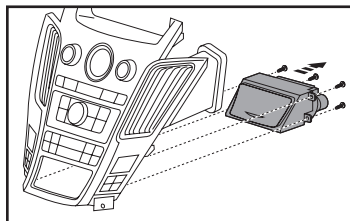
Continue to Kit Preparation

KIT PREPARATION

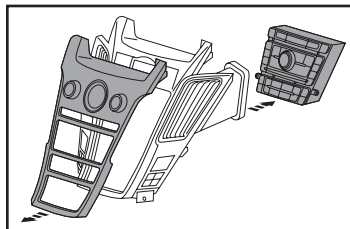
1. Remove (4) Phillips screws to remove the ashtray/pocket from the bottom of the radio/climate control panel. (Figure A)
2. Remove (4) T-10 Torx screws and (16) Phillips screws to remove the radio/climate controls, and radio/climate bezel from the panel. (Figure B)
3. Remove (4) Phillips screws to remove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

Note: The radio/climate bezel will not be used in this installation.

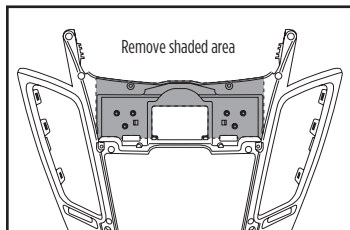
Note: Vent removal is optional.



(Figure A)



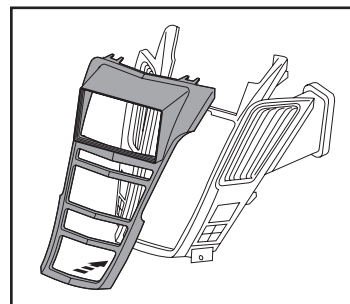
(Figure B)



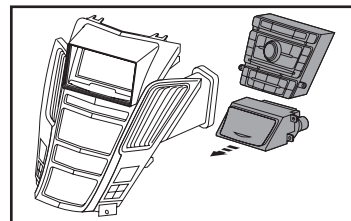
(Figure C)

5. Using either the factory hardware or the (8) #8 x 3/8" Phillips pan-head screws provided, secure the **95-3081 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)

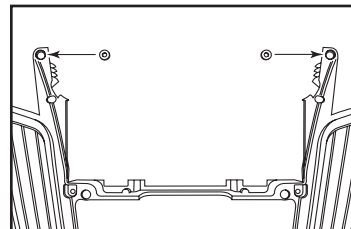
Continue to Kit Assembly



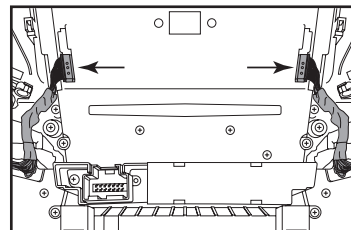
(Figure D)



(Figure E)



(Figure F)



(Figure G)

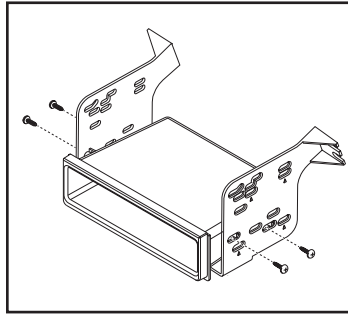
KIT ASSEMBLY

ISO DIN radio provision with pocket

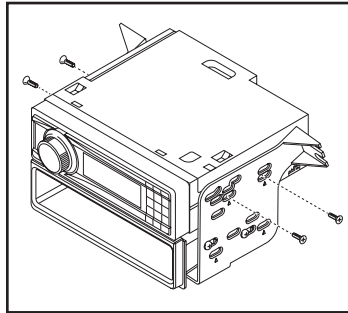
Note: Pocket and screws sold separately.
Part number 88-00-9004.

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)

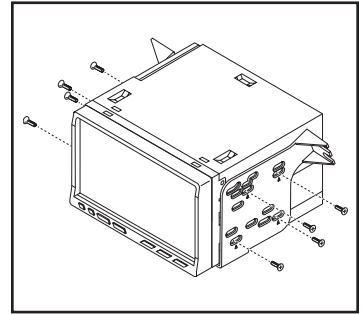


(Figure B)

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

- Designed for non-amplified, or analog/digital amplified systems
- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (Retained Accessory Power)
- Provides NAV outputs (parking brake, reverse, speed sense)
- Retains audio controls on the steering wheel
- Retains OnStar® with adjustable volume if equipped
- Retains OEM Bluetooth® connectivity if equipped
- Retains chimes and the factory AUX-IN jack
- Retains balance & fade (excluding digital amplified models)
- Micro “B” USB updatable

Note: 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.

INTERFACE COMPONENTS

- Axxess interface
- 3081 harness
- 16-pin harness with stripped leads
- 4-pin to 4-pin resistor pad harness

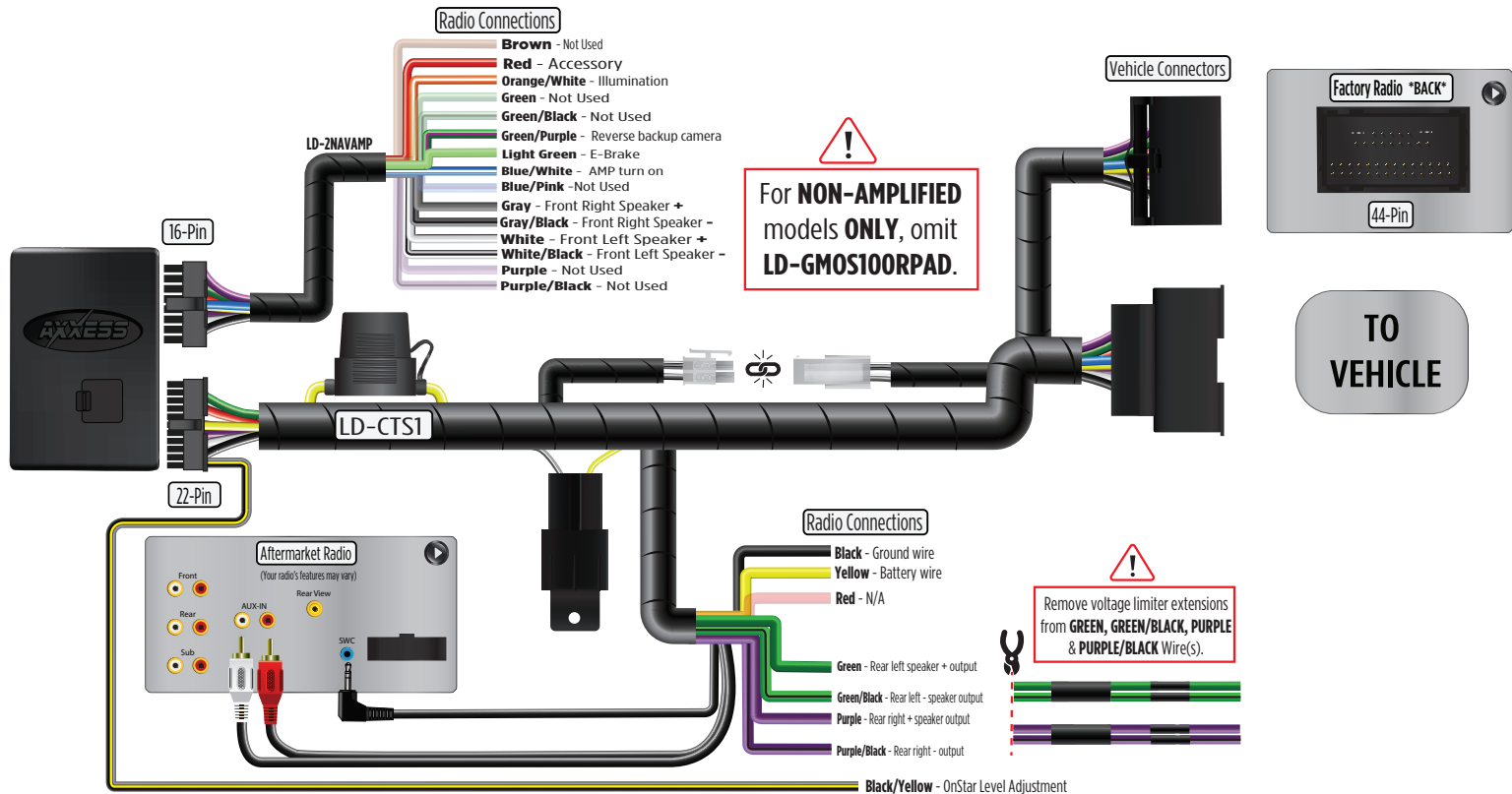
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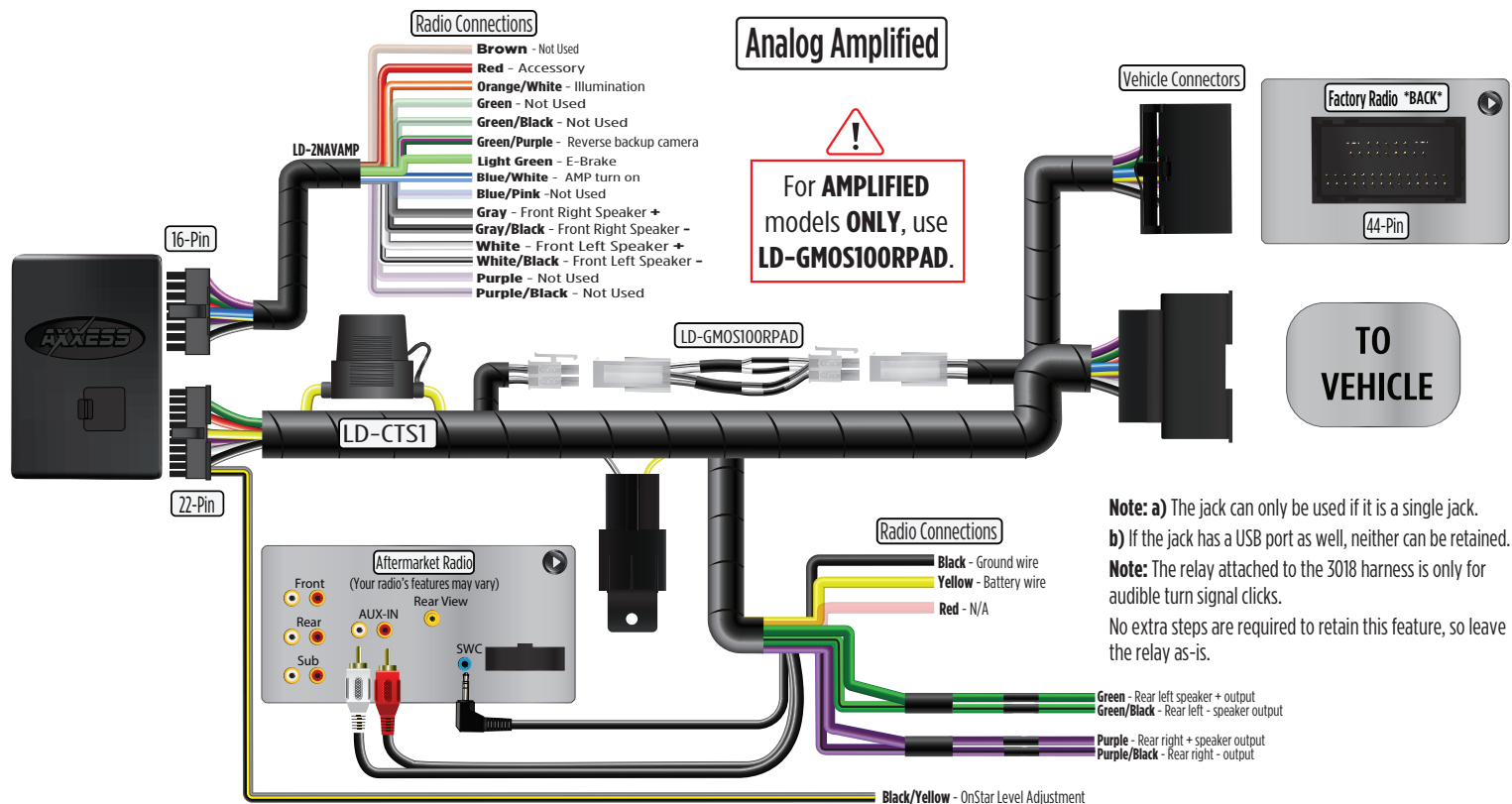
TOOLS REQUIRED

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

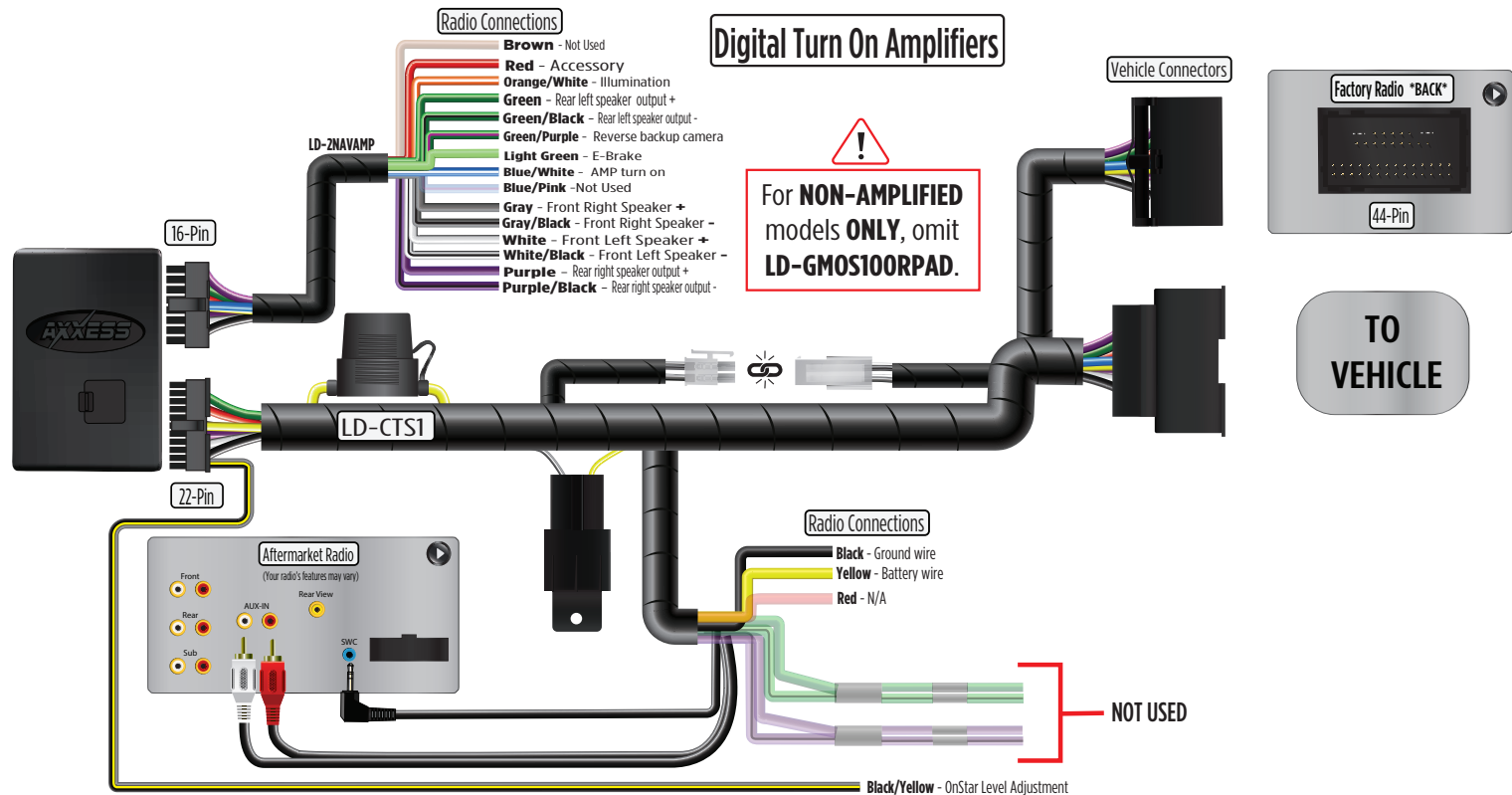
CONNECTIONS: NON-AMPLIFIED MODELS



CONNECTIONS: MODELS WITH AN ANALOG AMPLIFIER



CONNECTIONS: MODELS WITH A DIGITAL TURN ON AMPLIFIER

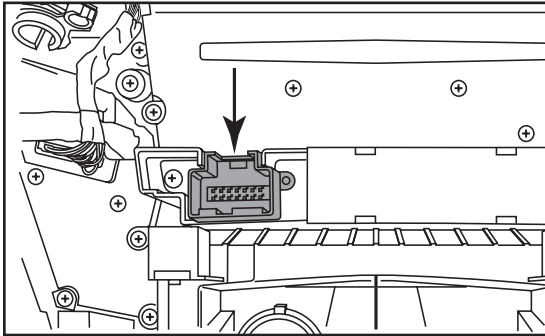


INSTALLATION

With the key in the off position:

1. Connect the **16-pin harness with stripped leads**, and the **3081 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)

Attention! Do not connect the 3081 harness to the wiring harness in the vehicle just yet.



(Figure A)

PROGRAMMING

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

1. Ensure all entry points are closed including the hood, then start the vehicle.
2. Connect the **3081 harness** to the wiring harness in the vehicle. The LED will initially be solid **Green** to indicate the interface is powered.
3. After a few seconds the LED 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 LED 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 LED 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 LED will turn on solid **Green** for a moment, and then turn off under normal operation after the key has been cycled.

STEERING WHEEL CONTROL SETTINGS: LED FEEDBACK

RADIO		LED PATTERN
Pioneer/Jensen	G	
JVC	R	
KENWOOD	GG	
SONY/DUAL	GR	
Reserved for future use	RG	
ALPINE	RR	
ALPINE (type 2)	GGG	
AXXERA	GGR	
AXXERA (type 2)	GRG	
MAGNADYNE	GRR	

- 1) If the LED pattern shows **JVC**, but a **JVC** radio isn't installed, change the radio type to Kenwood. Refer to the **Changing Radio Type** document.
- 2) If the LED pattern shows **Alpine**, but an **Alpine** radio isn't installed, make sure the 3.5mm jack is plugged into the radio.
- 3) If no SWC, change the radio type to the opposite radio type. Refer to the **Changing Radio Type** document.

RADIO		LED PATTERN
BOSS	RGG	
Reserved for future use	RGR	
CLARION (type 1)	RRG	
CLARION (type 2)	RRR	
Reserved for future use	GGGG	
Reserved for future use	GGGR	
Reserved for future use	GGRG	
Reserved for future use	GGRR	
Reserved for future use	GRGG	
Reserved for future use	GRGR	
Resistive Radio #1	GRRG	
Resistive Radio #2	GRRR	
Resistive Radio #3	RGGG	
Resistive Radio #4	RGGR	
Resistive Radio #5	RGRG	
Resistive Radio #6	RGRR	

STEERING WHEEL CONTROL SETTINGS: CHANGING RADIO TYPE

Attention! The Axxess Updater App can also be used to program the following (3) sub-sections as well, pending that the interface has been programmed.

Changing Radio Type

If the LED flashes do not match the radio you have connected, you must manually program the **3081 Interface** to tell it what radio it is connected to.

1. After (3) seconds of turning the key on, press and hold the **Volume-Down** button on the steering wheel until the LED in the **3081 Interface** goes solid.
2. Release the **Volume-Down** button; the LED will go out indicating the interface is in **Changing Radio Type** mode.
3. Refer to the **Flash Count Radio Legend** to know which radio number you would like to have programmed.
4. Press and hold the Volume-Up button until the LED goes solid, and then release. Repeat this step for the desired radio number you have selected.
5. Once the desired radio number has been selected, press and hold the Volume-Down button on the steering wheel until the LED goes solid. The LED will remain on for about (3) seconds while it stores the new radio information.
6. Once the LED goes out, the **Changing Radio Type** mode will then end. You can now test the steering control wheel controls.

Note: If at any time the user fails to press any button for a period longer than (10) seconds, this process will abort.

Flash Count Radio Legend		
1 PIONEER/JENSEN	10 MAGNADYNE	19 Reserved
2 JVC	11 BOSS	20 Reserved
3 KENWOOD	12 Reserved	21 Resistive Radio #1
4 SONY/DUAL	13 CLARION (type 1)	22 Resistive Radio #2
5 Reserved	14 CLARION (type 2)	23 Resistive Radio #3
6 ALPINE	15 Reserved	24 Resistive Radio #4
7 ALPINE (type 2)	16 Reserved	25 Resistive Radio #5
8 AXXERA	17 Reserved	26 Resistive Radio #6
9 AXXERA (type 2)	18 Reserved	

STEERING WHEEL CONTROL SETTINGS: REMAPPING THE SWC BUTTONS

Remapping

Once the **3081 Interface** has been programmed, the button assignment for the steering wheel controls may be reassigned if so desired. For example, if the Seek-Up button is preferred to be the Mute button instead. Follow the steps below to remap the steering wheel control buttons.

1. Ensure the **3081 Interface** is visible so you can see the LED flashes to confirm button recognition.
Tip: Turning the radio off is recommended.
2. Within the first twenty seconds of turning the ignition on, press and hold the Volume-Up button on the steering wheel until the LED goes solid.
3. Release the Volume-Up button, the LED will then go out; The Volume-Up button has now been programmed.
4. Follow the list in the **Button Assignment Legend** to reference the order in which the steering wheel control buttons need to be programmed.

Note: If the next function on the list is not on the steering wheel, press the Volume-Up button for (1) second until the LED comes on to skip that function, and then release the Volume-Up button. This will tell the **3081 Interface** that this function is not available, and it will move on to the next function.

5. To complete the remapping process, press and hold the Volume-Up button until the LED in the **3081 Interface** goes out.

Button Assignment Legend

Function #	Function	Function #	Function
1	Volume-Up	10	Band
2	Volume-Down	11	Play/Enter
3	Seek-Up/Next	12	PTT (Push to Talk)
4	Seek-Down/Prev	13	On-Hook
5	Source/Mode	14	Off-Hook
6	Mute	15	Fan-Up *
7	Preset-Up	16	Fan-Down *
8	Preset-Down	17	Temp-Up *
9	Power	18	Temp-Down *

** Not applicable in this application*

Note: Some radios may not have these commands. Please refer to the manual provided with the radio, or contact the radio Manufacturer for specific commands recognized by that particular radio.

STEERING WHEEL CONTROL SETTINGS: DUAL ASSIGNMENT

Dual Assignment Instructions (Long Button Press)

The **3081 Interface** has the capability to assign (2) functions to a single button, except **Volume-Up** and **Volume-Down**. Follow the steps below to program the button(s) to your liking.

Note: **Seek-Up** and **Seek-Down** come pre-programmed as **Preset-Up** and **Preset-Down** for a long button press.

1. Turn on the ignition but do not start the vehicle.
2. Press and hold down the steering wheel control button that you want to assign a long press function to for about (10) seconds, or until the LED flashes rapidly. At this point release the button; the LED will then go solid.
3. Press and release the **Volume-Up** button the number of times corresponding to the new button number selected. Refer to the **Dual Assignment Legend**. The LED will flash rapidly while the **Volume-Up** button is being pressed, and then go back to a solid LED once released. Go to the next step once the **Volume-Up** button has been pressed the desired number of times.

Caution: If more than (10) seconds elapses between pressing the **Volume-Up** button, this procedure will abort, and the LED will go out.

4. To store the long press button in memory, press the button that you assigned a long press button to (the button held down in Step 2). The LED will now go off indicating the new information has been stored.

Note: These steps must be repeated for each button you would like to assign a dual purpose feature to. To reset a button back to its default state, repeat Step 1, and then press the **Volume-Down** button. The LED will go out, and the long press mapping for that button will be erased.

Dual Assignment Legend

Function #	Function	Function #	Function
1	Not allowed	10	Band
2	Not allowed	11	Play/Enter
3	Seek-Up/Next	12	PTT
4	Seek-Down/Prev	13	On-Hook
5	Mode/Source	14	Off-Hook
6	ATT/Mute	15	Fan-Up *
7	Preset-Up	16	Fan-Down *
8	Preset-Down	17	Temp-Up *
9	Power	18	Temp-Down *

* Not applicable in this application

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 3081 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:

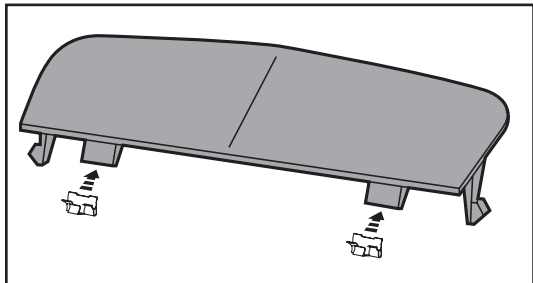
Insert the (2) **copper threaded inserts** provided with the kit into the empty upper radio mounting holes in the dash cavity, then secure the radio assembly to the dash using the factory screws.

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 95-3081 **radio trim panel** to complete the installation.

Note - the factory radio chassis is really going back into it's original location, Be sure it's connected with the included harnesses.



(Figure A)

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.



95-3081S
INSTALLATION INSTRUCTIONS



Having difficulties? We're here to help.



Contact our Tech Support line at:

386-257-1187



Or via email at:

techsupport@metra-autosound.com

Tech Support Hours (Eastern Standard Time)

Monday - Friday: 9:00 AM - 7:00 PM

Saturday: 10:00 AM - 5:00 PM

Sunday: 10:00 AM - 4:00 PM



**Metra recommends MECP
certified technicians**