



Nissan Pathfinder (with color screen) 2013-2020

Visit MetraOnline.com for more detailed information about the product and up-to-date vehicle specific applications

KIT FEATURES

- Factory-style hard buttons with laser etched graphics and rotary knobs retain and allow control of climate functions shown on an included 7-inch touchscreen display.
- Designed for most DDIN radio installations in the lower dash location. The 7-inch touchscreen can be installed in the lower location when installing a shallow mount or modular radio in the upper location.
- Integrated hazard button and passenger airbag indicator light.
- Retains audio controls on the steering wheel and back-up camera when equipped.
- Designed in multiple pieces and painted with factory matched charcoal and bright silver trim.

KIT COMPONENTS

- A) Upper panel • B) Lower panel • C) Button assembly • D) Touch screen • E) Lower brackets • F) Upper brackets • G) Screen brackets
- H) Upper panel center trim • I) #8 x 3/8" Phillips screws (4) • J) Panel clips (4) • K) Interface and harnesses (not shown)

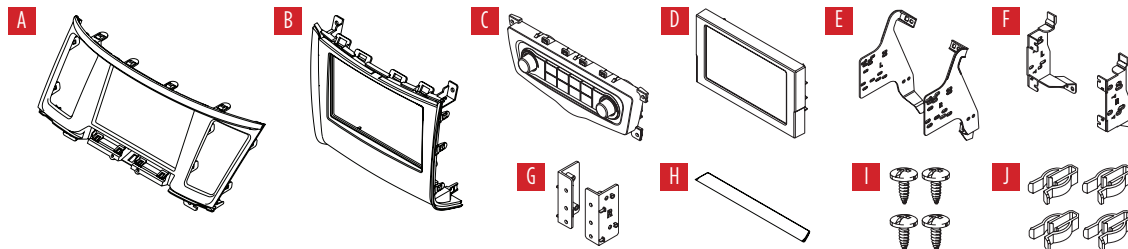


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WIRING & ANTENNA CONNECTIONS (sold separately)

Wiring Harness: Visit metraonline.com for audio/video and steering wheel control interface options.
Antenna Adapter: Included

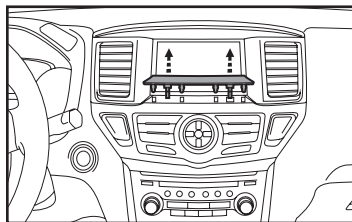
TOOLS REQUIRED

- Panel removal tool • Phillips screwdriver
- T-20 Torx driver

Attention! With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections are secure before cycling the ignition to test this product.

DASH DISASSEMBLY

1. Unclip and remove the trim panel located between the vehicle screen and control panel, and then remove (1) Phillips screw now exposed. (Figure A)

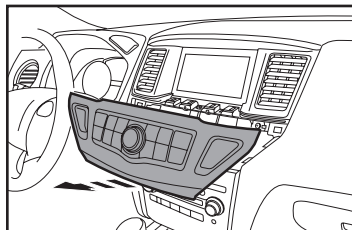


(Figure A)

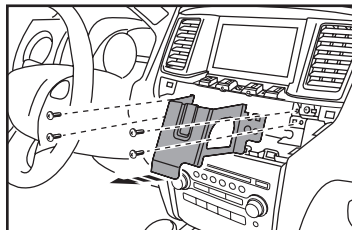
2. Unclip the screen control panel, unplug the connectors, and then remove the keypad assembly from the panel.

Note: The panel will be reused during kit assembly. (Figure B)

3. Unscrew (4) Phillips screws securing the metal brace now exposed above the radio/climate-control panel, and then remove the brace. (Figure C)



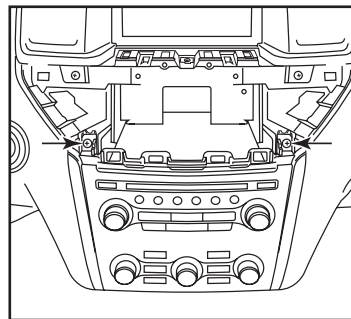
(Figure B)



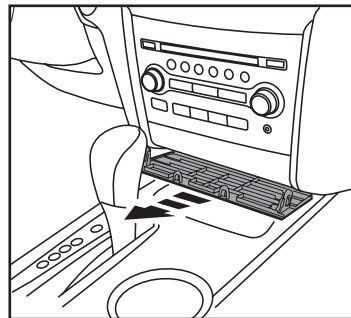
(Figure C)

4. Remove (2) Phillips screws from the top of the radio/climate-control panel. (Figure D)
5. Unclip and remove the trim panel underneath the radio/climate-control panel. (Figure E)

Continued on the next page



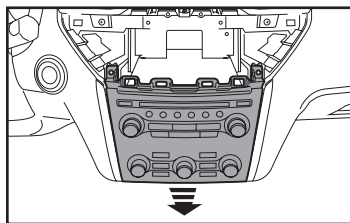
(Figure D)



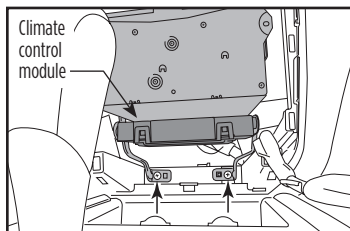
(Figure E)

DASH DISASSEMBLY (CONT.)

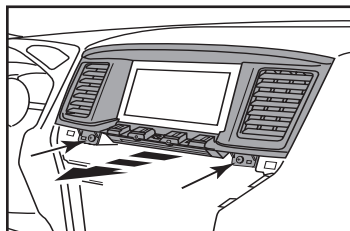
6. Unclip and remove the radio/climate control panel. (Figure F).
7. Remove (2) Phillips screws exposed below the radio chassis, unplug the connectors, then remove the radio chassis. (Figure G)
8. Remove the climate control module located under the radio chassis and set aside for kit assembly. (Figure G)
9. Remove (2) Phillips screws at bottom of upper dash panel. (Figure H)



(Figure F)



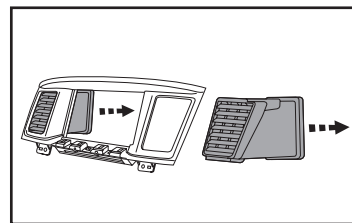
(Figure G)



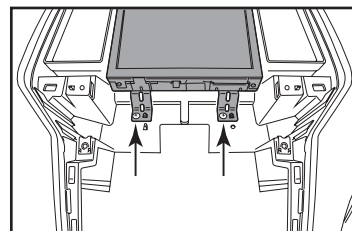
(Figure H)

10. Unclip and remove the upper panel and unclip the factory vents to be used in kit preparation. (Figure I)
11. Remove (2) Phillips screws at the bottom of the factory screen and rotate the screen out at the bottom and pull down to remove. (Figure J)

Continue to Kit Preparation



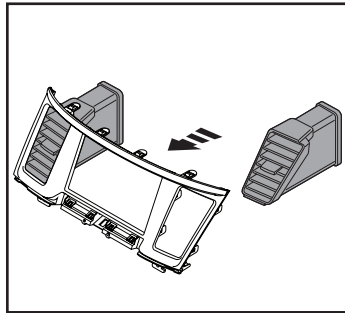
(Figure I)



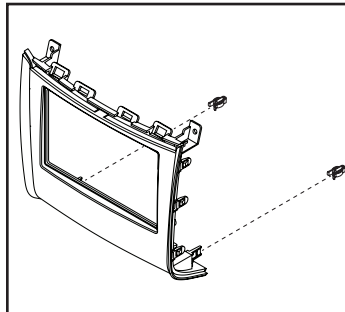
(Figure J)

KIT PREPARATION

1. Snap the factory vents into the **upper panel**. (Figure A)
2. Attach the (2) supplied **panel clips** to the **lower panel**. (Figure B)



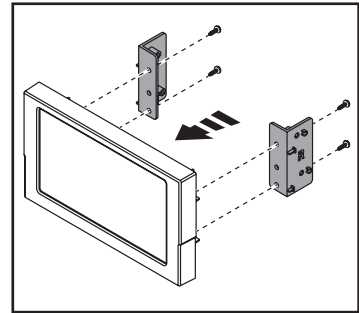
(Figure A)



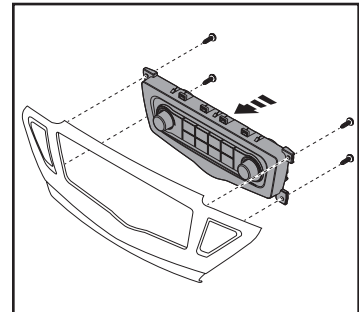
(Figure B)

3. Secure the **touchscreen brackets** to the **touchscreen** using the supplied #8 x 3/8" pan head screws. (Figure C)
4. Secure the provided **button assembly** into the screen control panel using the factory screws. (Figure D)

Continue to Kit Assembly



(Figure C)

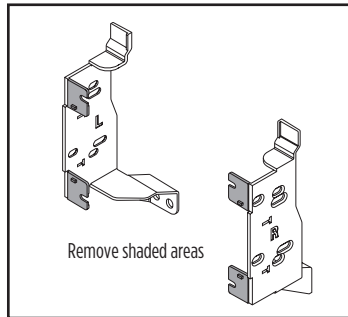


(Figure D)

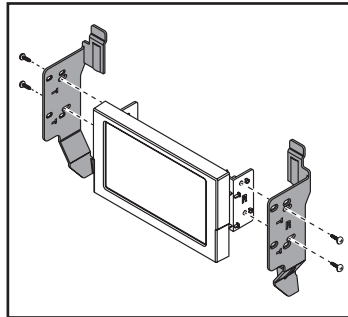
KIT ASSEMBLY

Full size DDIN mounting in the lower location

1. Remove the tabs from the **upper brackets** as indicated (Figure A)
2. Secure the touchscreen assembly to the **upper brackets** using the supplied #8 x 3/8" pan head screws. (Figure B)



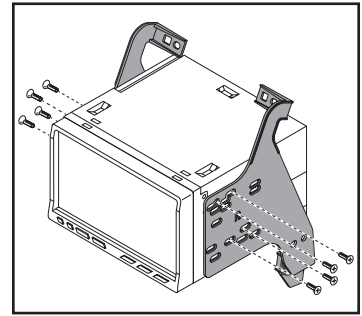
(Figure A)



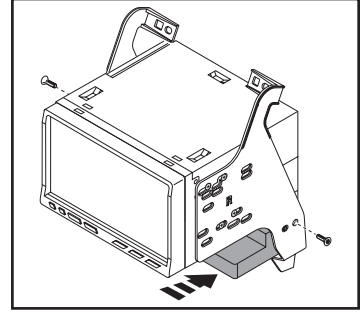
(Figure B)

3. Attach the **lower radio brackets** to the radio using the screws supplied with the radio. (Figure C)
4. Slide the **factory AC Amplifier Module** into the bottom of the lower brackets and secure with the factory hardware. (Figure D)

Continued on the next page



(Figure C)



(Figure D)

AXXESS INTERFACE INSTALLATION

INTERFACE FEATURES

- Designed for amplified and non-amplified vehicles
- HVAC displayed on 7" touchscreen
- Retains factory back up camera
- Retains factory AUX in
- Provides accessory power (12V 10-amp)
- Provides NAV outputs (parking brake, reverse, and speed sense)
- Retains audio controls on the steering wheel
- Retains safety chimes through an included off-board speaker
- Micro B USB updatable

Please Note: Supported Languages include English, Spanish and French

INTERFACE COMPONENTS

- Non-Amplified models 2013-2020 (**LD-NIS2**)
- Non-NAV/Amplified models 2013-2020 (**LD-NISNAV2**)
- Amplified & Non-Amplified w/o NAV Camera Connection **LD-NIS2 Harness**
- NAV models 2013-2016 **LD-NISNAV2 Harness**
- 2017-2020 models **LD-NIS3 Harness**
- 6 volt camera power step down (**AXCSD-6V**)
- 16-pin harness with stripped leads (**LD-2NAVAMPL**)
- Touchscreen
- Airbag assembly
- HVAC control panel
- External Speaker

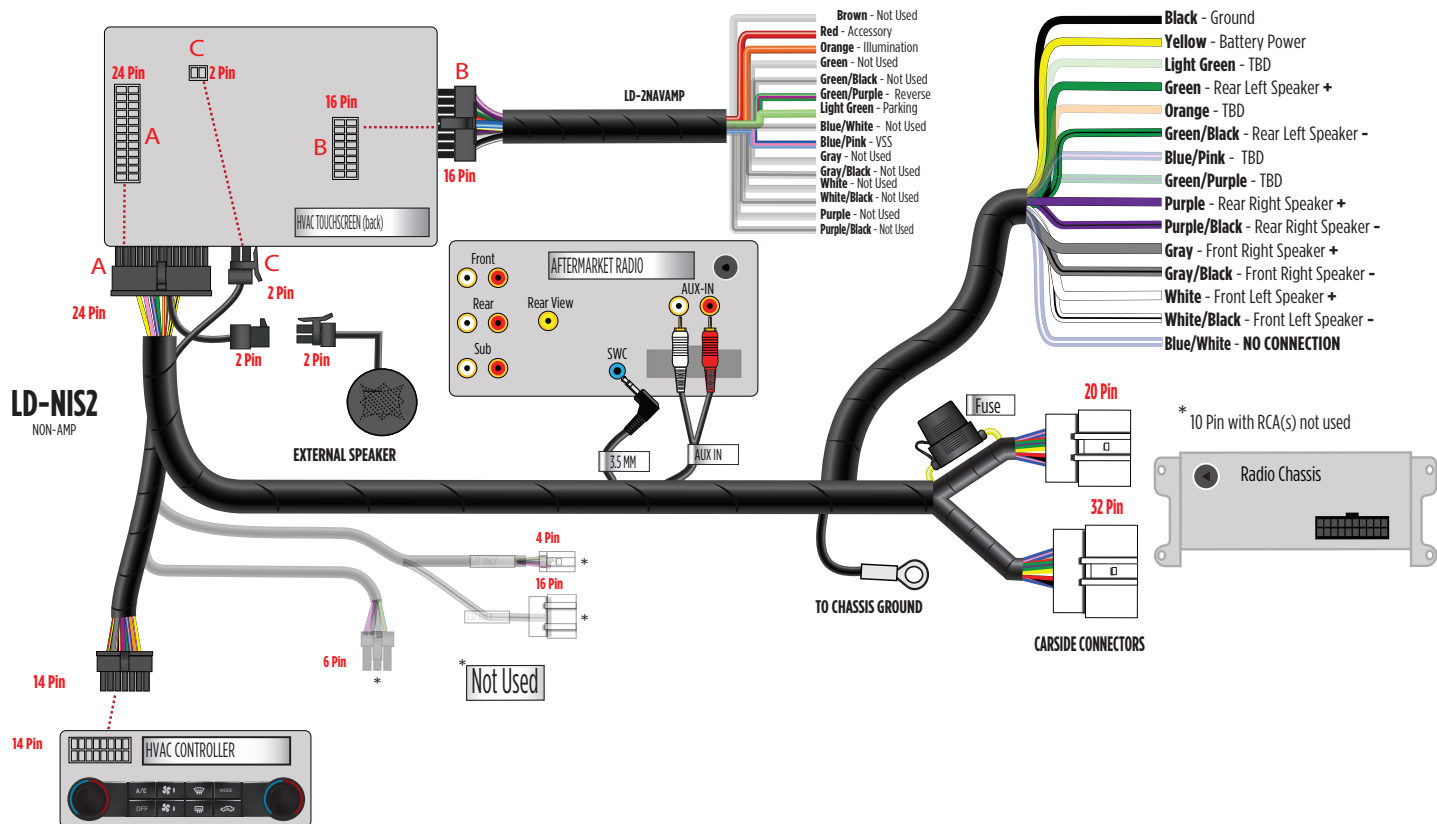
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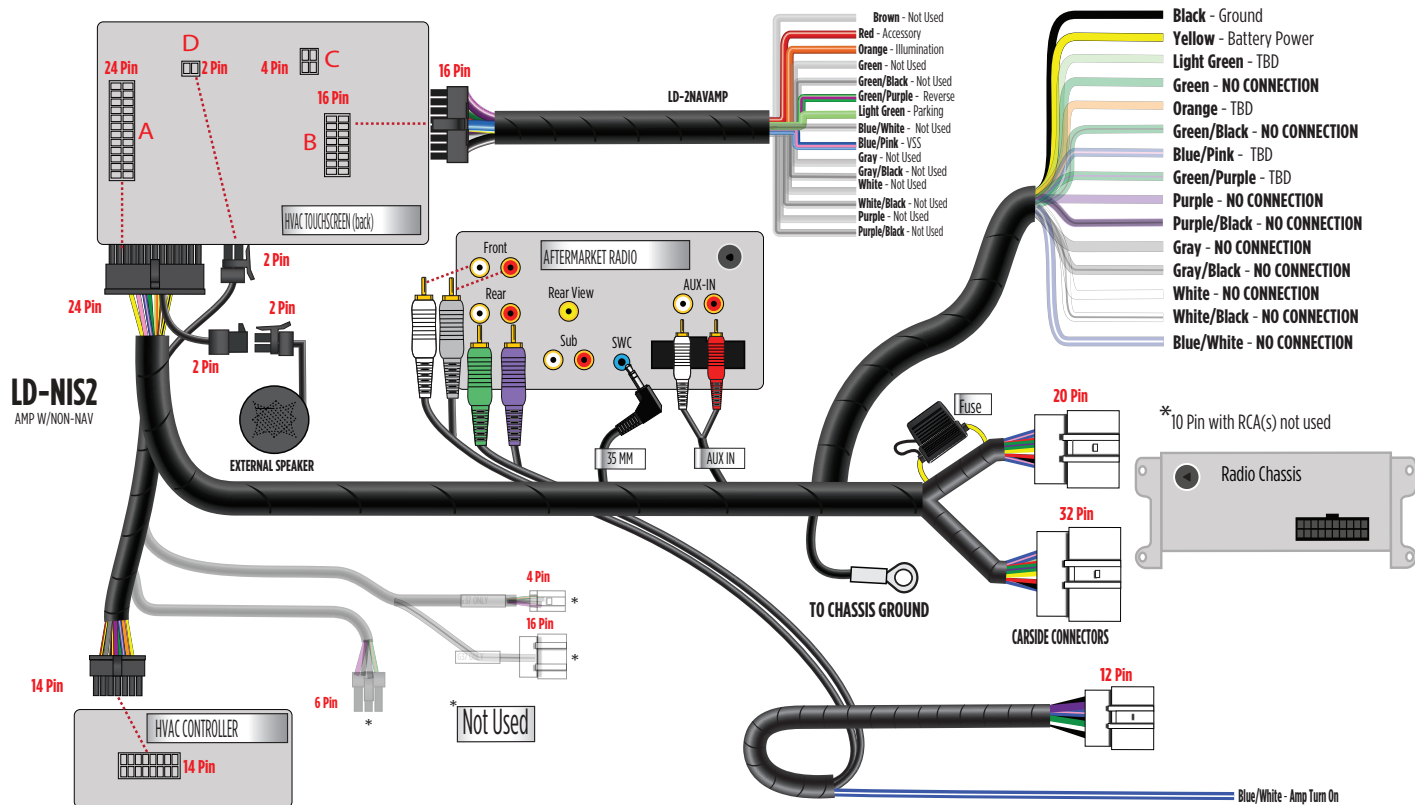
TOOLS REQUIRED

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

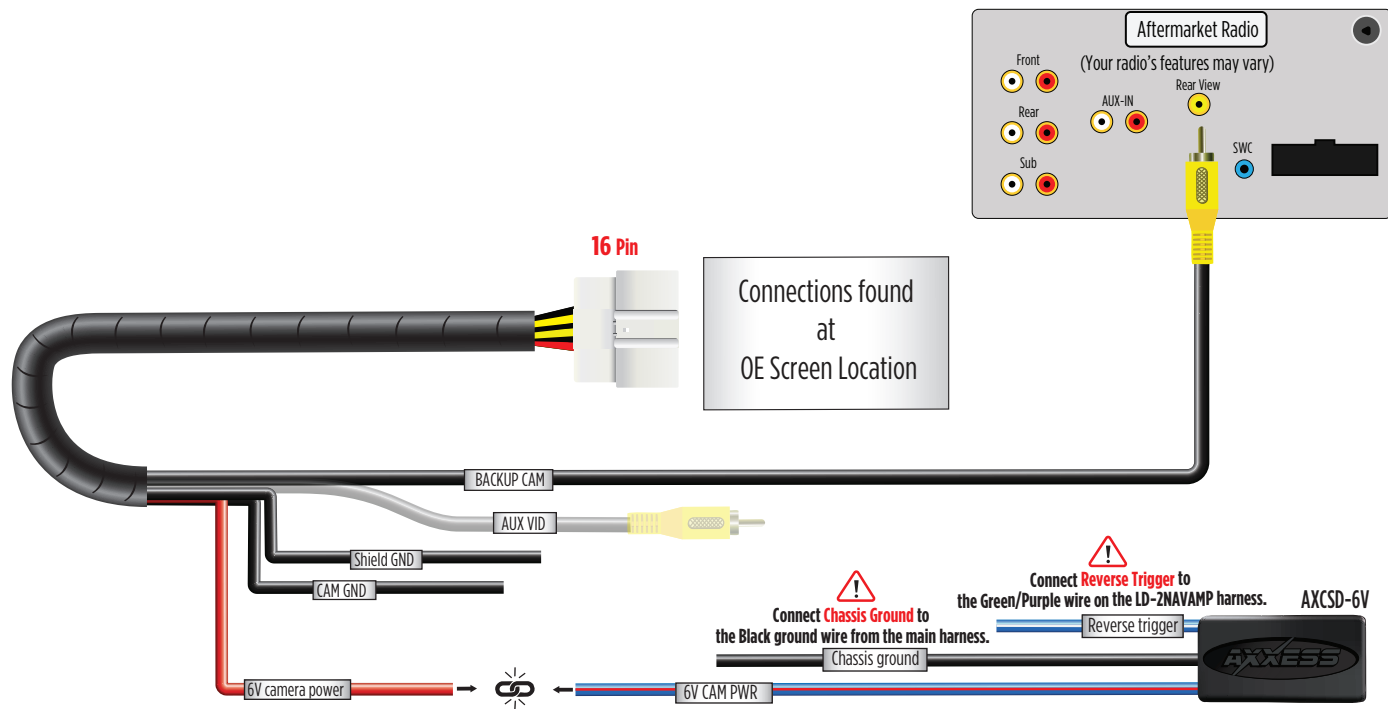
NON-AMPLIFIED MODELS 2013-2020 (LD-NIS2)



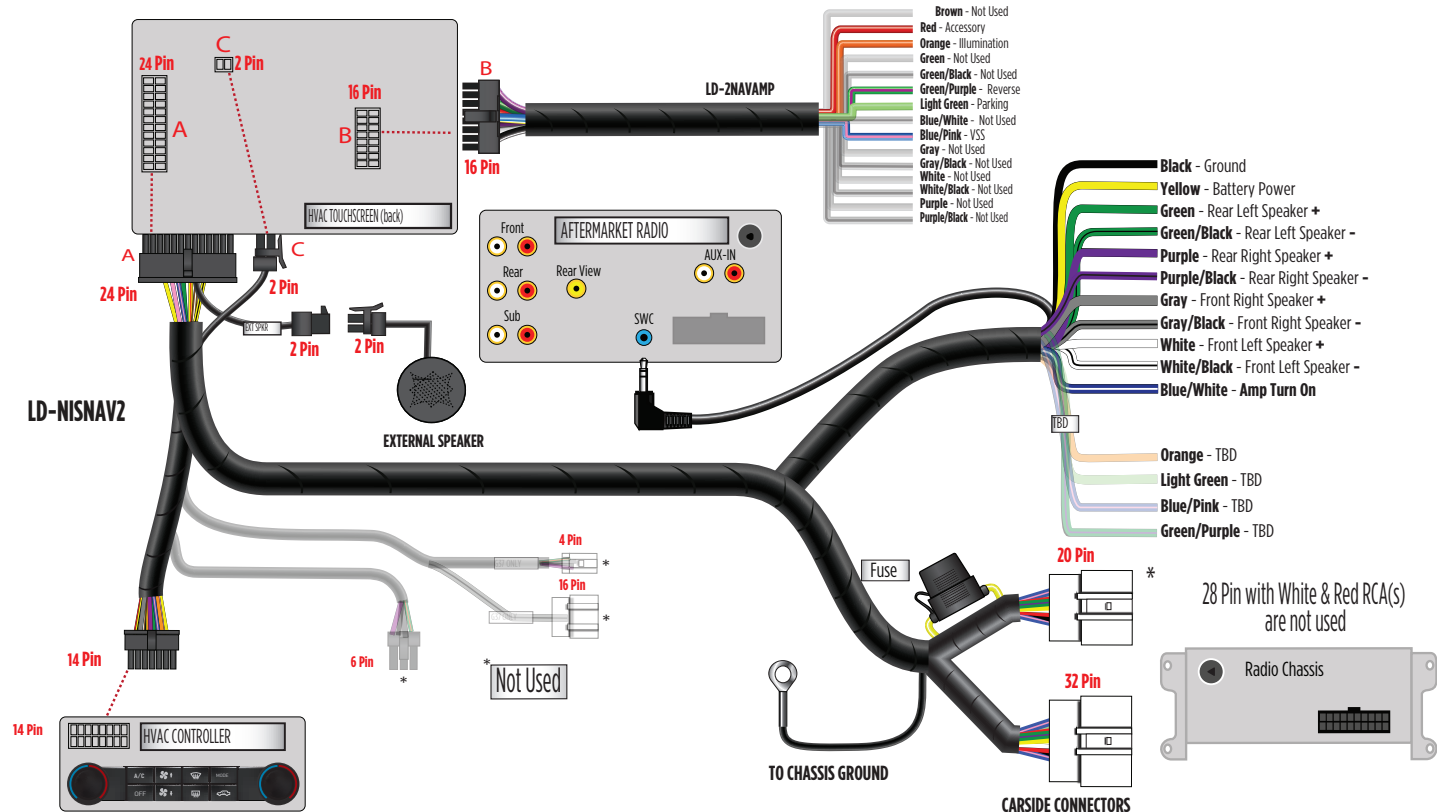
NON-NAV & AMPLIFIED MODELS 2013-2020 (LD-NIS2)



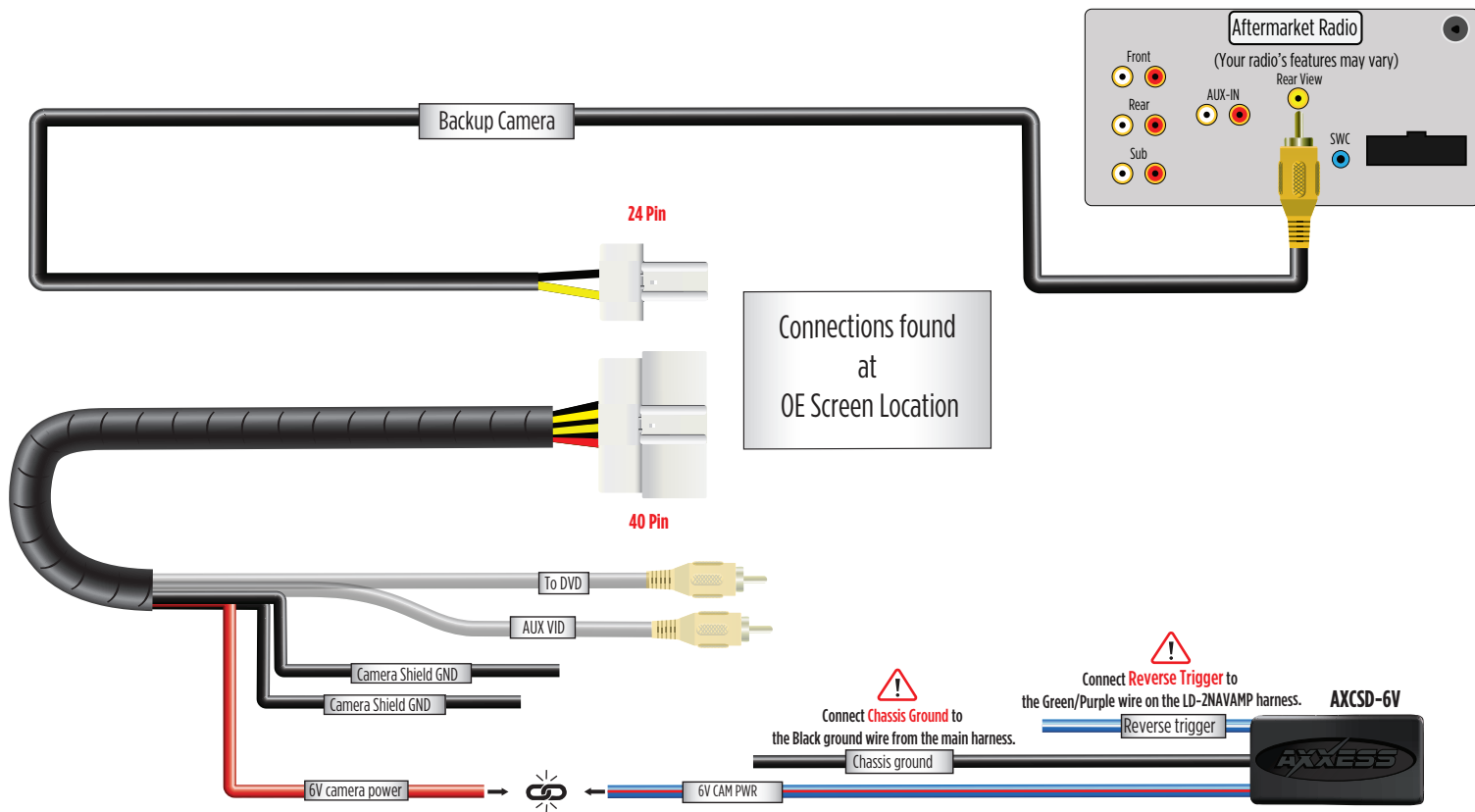
AMPLIFIED & NON-AMPLIFIED W/O NAV (LD-NIS2)



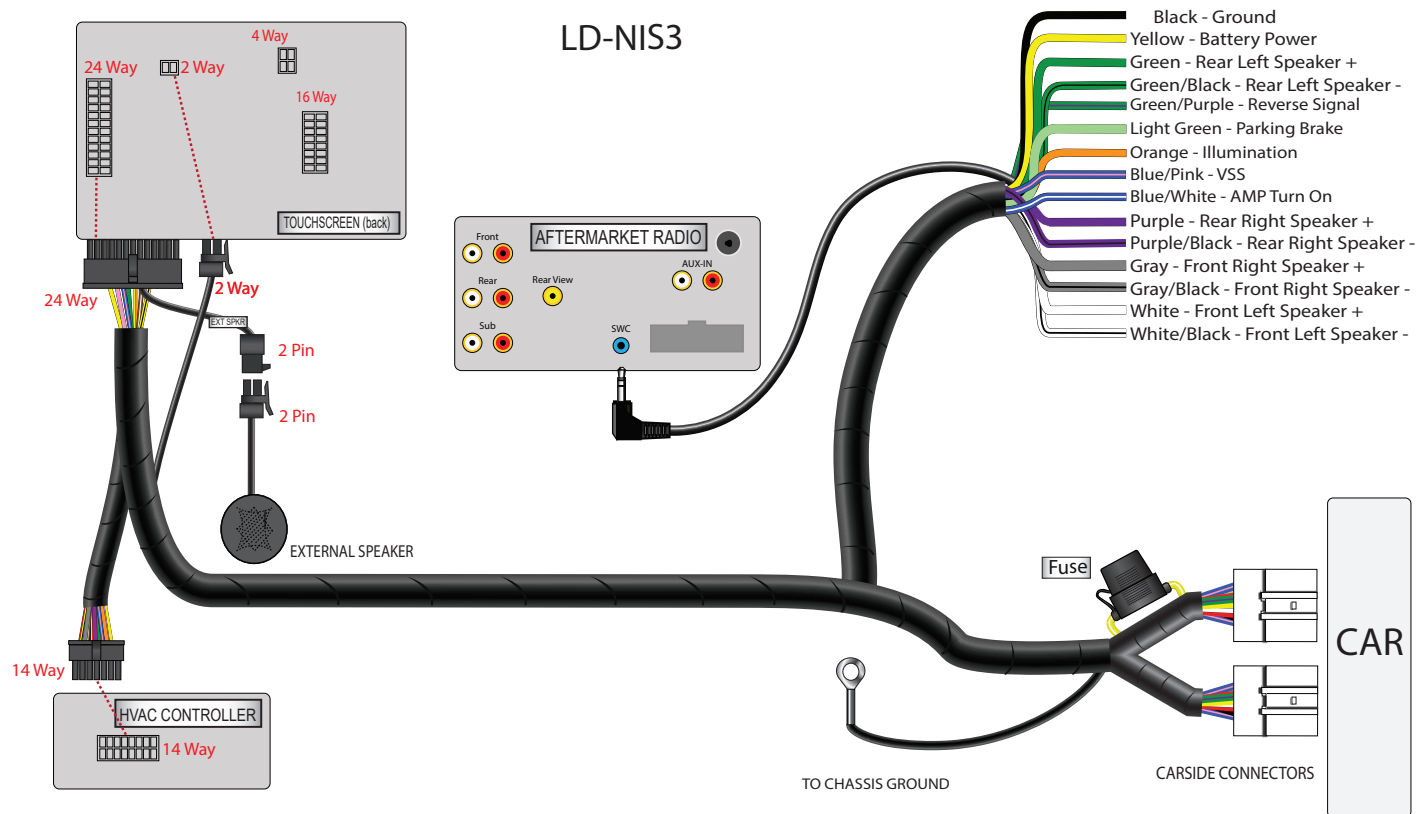
NAV MODELS 2013-2016 (LD-NISNAV2)



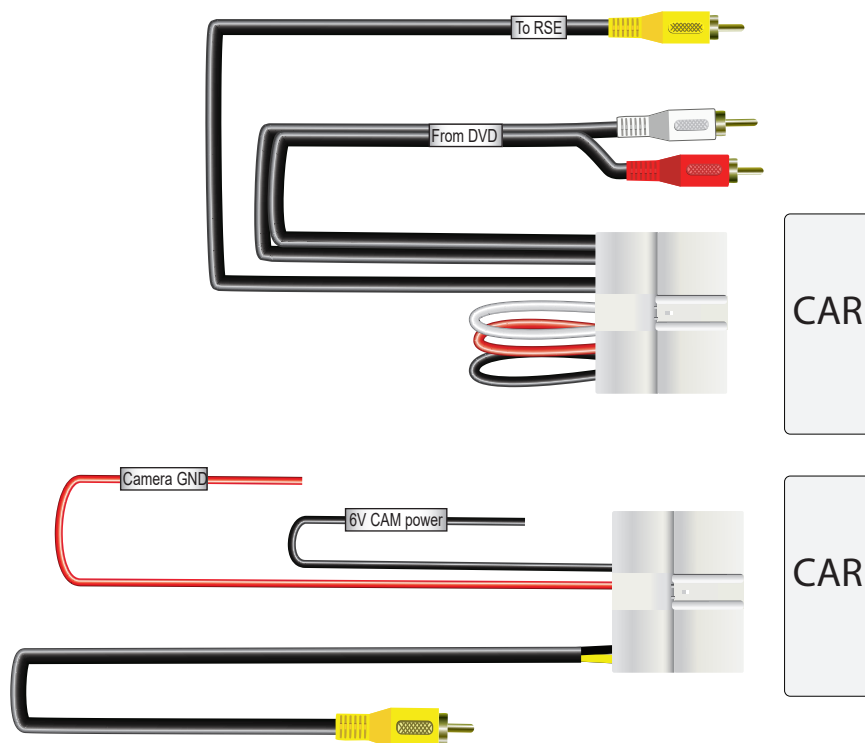
NAV MODELS 2013-2016 (LD-NISNAV2) (CONT.)



2017-2020 MODELS (LD-NIS3)



2017-2020 MODELS (LD-NIS3) (CONT.)



INSTALLATION

Attention! It is highly advisable to read the following steps beforehand, to ensure a clear understanding of what is to be expected. The following steps must be done in the order that they are numbered.

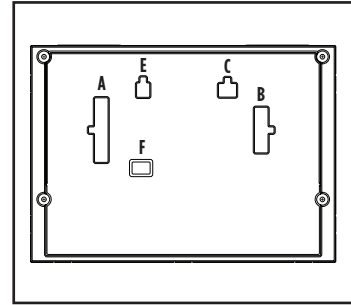
With the vehicle completely off:

1. Refer to your aftermarket radios installation manual for how to match the radio's harness to the axcess interface harness. Refer to your vehicle specific diagram. Make sure you are using the correct diagram.
2. With the aftermarket radio harness wired up, plug in the 16 pin connector (LD-ZNAVAMP Harness) into plug B of the HVAC Screen. (Figure A)
3. Plug in the 2 pin plug from the Main Harness into the HVAC Screen
4. Plug in the 24 pin plug from the selected car harness into Port "A" of the HVAC touchscreen display. (Figure A)

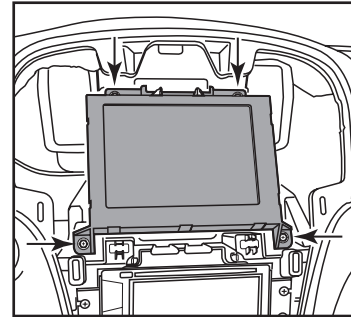
Important: Do not plug in the carside connectors (OE radio plugs) until step 1 of the Programing Section.

5. Port F is an updater port used for updating the firmware using the Axxess Updater Program. (Figure A)
6. Secure the touchscreen to the dash using the factory screws. (Figure B)

Continue to Programming



(Figure A)



(Figure B)

PROGRAMMING

Note: This is a timed process.

1. Connect the car side connectors to connectors removed from the factory radio in the vehicle.
2. Press the push-to-start button to start the vehicle.
3. Program the kit:
 - a. Once the touchscreen display loads up, select the vehicle type.
 - b. Wait until the radio comes on, and the touchscreen display shows SWC Configured.
4. This process may take up to (3) minutes.

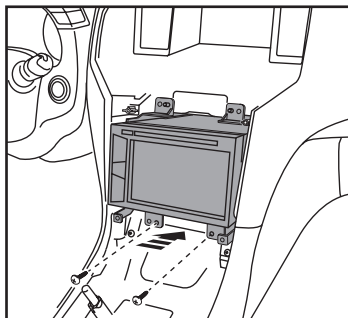
Note: If the touchscreen display does not load up, or the radio doesn't come on within (3) minutes, and/or the touchscreen display does not show **SWC Configured**, check all connections, then reset the interface and try again. Refer to page 24 for reset instructions.

5. Cycle the key off. If the driver's door is closed, open and close the door. Cycle the key back on.
6. Test all functions of the installation for proper operation, before reassembling the dash.

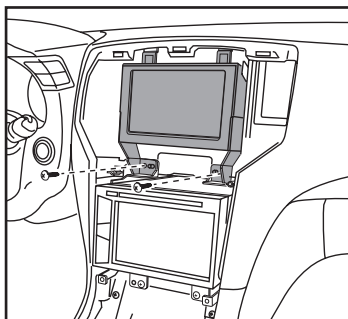
KIT ASSEMBLY (CONT.)

Full size DDIN mounting in the lower location (cont.)

5. Plug in the radio assembly and secure to the dash using only the bottom (2) factory screws. **Note:** the upper two will come after the upper assembly). (Figure E)
6. Plug in the touchscreen assembly and secure it to the dash using the factory hardware. (Figure F)



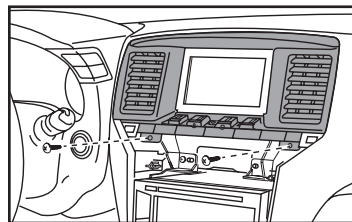
(Figure E)



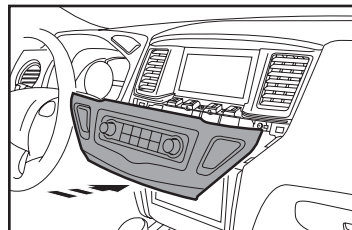
(Figure F)

7. Connect the airbag and hazard, then snap the upper panel assembly over the touchscreen and secure the bottom two mounts using the factory hardware. (Figure G)
8. Connect the new climate control and snap the **lower panel** over the radio. Secure at the bottom with the (2) #8 x 3/8" truss head screws supplied. (Figure H)
9. Snap the upper and lower trim panels in place. (Figure I)

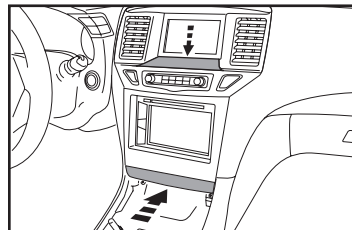
Continue to Axxess Interface Installation



(Figure G)



(Figure H)

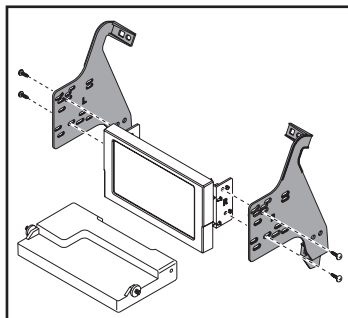


(Figure I)

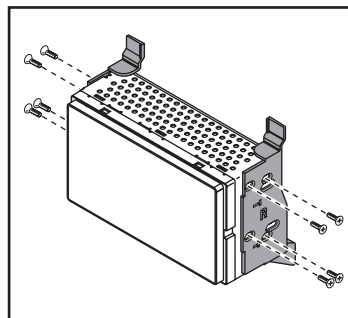
KIT ASSEMBLY

To mount a shallow mount radio in the upper location

1. Secure the touchscreen assembly to the **lower radio brackets** using the supplied #8 pan head screws. (Figure A)
2. Slide the **factory AC Amplifier Module** into the bottom of the lower brackets and secure with the factory hardware.
3. Attach the **upper radio brackets** to the radio using the screws supplied with the radio. (Figure B)



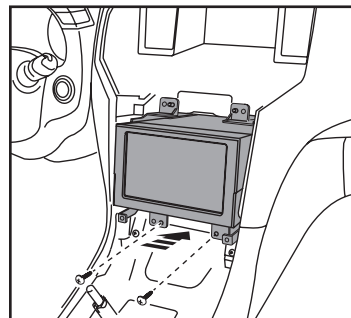
(Figure A)



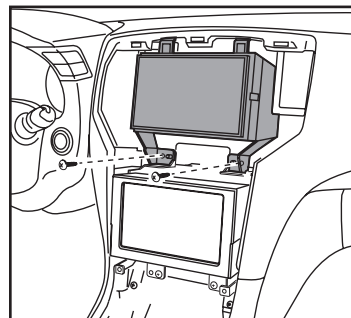
(Figure B)

4. Plug in the touchscreen assembly and secure it to the lower dash using the factory hardware. (Figure C)
5. Plug in the radio assembly and secure to the dash using only the bottom two factory screws (the upper two will come after the upper assembly). (Figure D)

Continued on the next page



(Figure C)

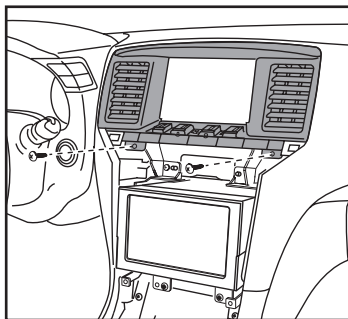


(Figure D)

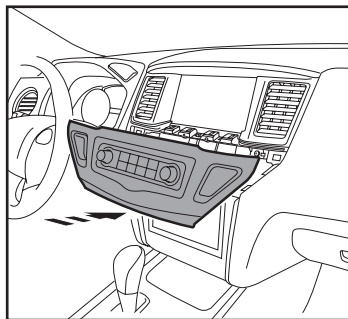
KIT ASSEMBLY (CONT.)

To mount a shallow mount radio in the upper location (cont.)

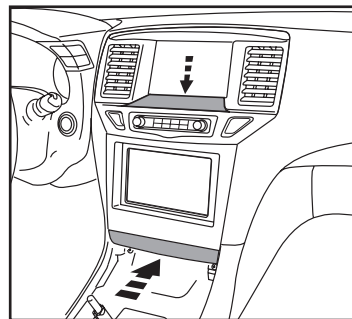
6. Connect the airbag and hazard, then snap the upper panel assembly over the radio and secure the bottom two mounts using the factory hardware. (Figure E)
7. Connect the climate control and snap the lower panel over the touchscreen assembly. Secure at the bottom with the (2) #8 x 3/8" truss head screws supplied. (Figure F)
8. Snap the upper and lower trim panels in place. (Figure G)



(Figure E)



(Figure F)



(Figure G)

*Continue to Axxess Interface
Installation*

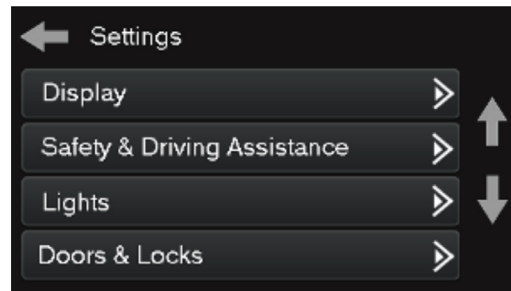
TOUCHSCREEN DISPLAY OPERATION

Climate Control screen



- This is the **Climate Control** screen which will be displayed on the touchscreen display. This is considered the Main Menu.
- The upper left tab with (3) arrows will take you to the screen where the Heated/Cooled Seats, Heated Steering, and Mirror Dimming are now placed, if applicable.
- The upper right tab with a gear icon will take you to the Settings screen.
- The climate controls will function in the same manner that they did with the factory climate controls.

Settings screen



Display

- Backlight - For controlling the color of the buttons and back-light intensity.
- Language
- Units

Safety & Driving Assistance - Factory features

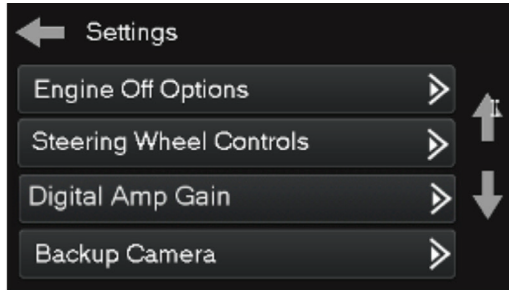
Lights - Factory features

Doors & Locks - Factory features

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TOUCHSCREEN DISPLAY OPERATION (CONT.)

Settings screen cont.



Engine Off Options - Factory features

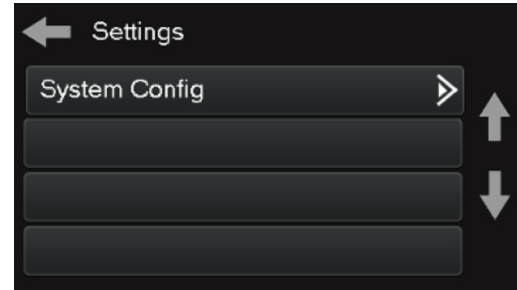
Steering Wheel Controls

- Remap Buttons – For remapping the steering wheel control buttons
- Dual Assign – For dual assigning the steering wheel control buttons (long button press)
- Select Radio – For auto detecting the radio, or changing the radio type

Digital Amp Gain - For adjusting the output gain to the amplifier

Backup Camera (N/A)

- Enables/disables the backup camera image to the touchscreen display.
Disabled by default.



System Configuration

- About - Information regarding the software in the kit
- Reset Vehicle Type - To reset the kit to default settings
- Comfort Options Override - Provides the ability to disable/enable certain factory options

Continue to Steering Wheel Control Settings

STEERING WHEEL CONTROL SETTINGS

Remap Buttons screen

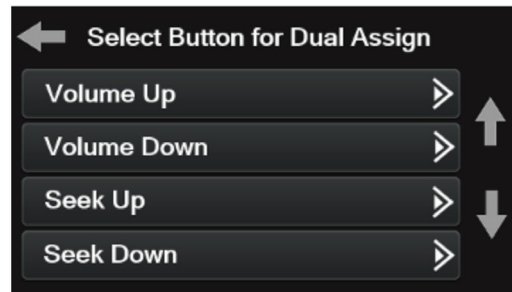


Remap Buttons

- The interface has the ability to change the button assignment for the steering wheel control audio buttons, except Volume-Up and Volume-Down. Follow the prompts on the touchscreen display to remap the steering wheel control audio button(s) to your liking.

Note: The aftermarket radio may not have all of these commands. Please refer to the manual provided with the radio, or contact the radio manufacturer, for specific commands recognized by that particular radio.

Dual Assign screen



Dual Assign

- The interface has the capability to assign two functions to a single button, except Volume-Up and Volume-Down. Follow the prompts on the touchscreen display to program the button(s) to your liking.

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

Continued on the next page

STEERING WHEEL CONTROL SETTINGS (CONT.)

Select Radio



- To show which brand radio is “auto detected” to the interface, press the “Autodetect” button. The radio detected will have a filled in circle. If the incorrect radio is shown, select the proper radio.

FINAL ASSEMBLY

1. Reassemble the dash in reverse order of disassembly.

LED FEEDBACK LEGEND

List of radio manufacturers

The (23) **Red LED** flashes represent a different radio manufacturer for the **SWC interface** to detect. For example, if you are installing a **JVC** radio, the **SWC interface** will flash **Red** (5) times, then stop. Following is the **LED Feedback Legend**, which indicates the flash count of the radio manufacturer.

LED Feedback Legend

Flash Count	Radio
1	Eclipse (type 1) †
2	Kenwood ‡
3	Clarion (type 1) †
4	Sony/Dual
5	JVC
6	Pioneer/Jensen
7	Alpine *
8	Visteon
9	Valor
10	Clarion (type 2) †
11	Metra OE
12	Eclipse (type 2) †

Flash Count	Radio
13	LG
14	Parrot **
15	XITE
16	Philips
17	TBA
18	JBL
19	Insane
20	Magnadyne
21	Boss
22	Axxera
23	Axxerra (type 2)
24	Alpine (type 2)

Keynotes

* If the **SWC interface** flashes **Red** (7) times, and an **Alpine** radio is not installed, that means there is an open connection not accounted for. Verify that the 3.5mm jack is connected to the correct steering wheel jack/wire in the radio.

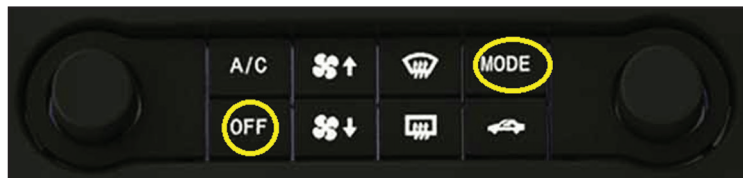
** The **AXSWCH-PAR** is required (sold separately). Also, the software in the radio must be rev. 2.1.4 or higher.

† If a **Clarion** or **Eclipse** radio is installed and the steering wheel controls do not function, change the radio to **Clarion (type 2)** or **Eclipse (type 2)** respectively. If the steering wheel controls still do not function, refer to the **Changing Radio Type** document available at axxessinterfaces.com.

‡ If a **Kenwood** radio is installed and the LED feedback flashes (5) times instead of (2), manually change the radio type to **Kenwood**. To do this, refer to the **Changing Radio Type** document available at axxessinterfaces.com.

TROUBLESHOOTING

Pressing and Holding the “OFF” and “MODE” Will reset the Kit.



[illegible]

[illegible]



95-7643
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**