Metra®

Infiniti G37 2008-2013

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
- A shallow mount or modular radio can be installed in the upper dash location.
- Integrated hazard button and passenger airbag indicator light
- Retains audio controls on steering wheel and back-up camera when equipped
- Painted scratch resistant matte black
- Supported Languages include English, Spanish and French

Note: The clock and compass in the driver's information center will no longer be functional.

KIT COMPONENTS

- A) Upper panel • B) Upper brackets • C) Lower panel • D) Lower brackets • E) Touchscreen • F) Touchscreen brackets • G) Bottom trim panel
- H) White panel clips (2) • I) Metal panel clips (2) • J) #8x3/8" truss-head Phillips screws (2) • K) #8x3/8" pan-head Phillips screws (8)
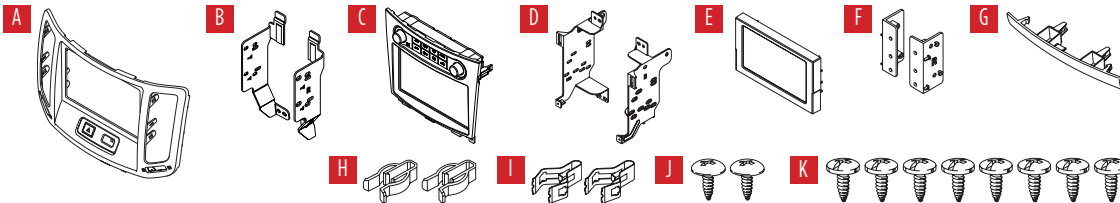
Not Shown: Antenna adapter and harnesses

TABLE OF CONTENTS

WIRING & ANTENNA CONNECTIONS

Wiring Harness: Included with kit
Antenna Adapter: 40-NI12 Included with kit

TOOLS REQUIRED

- Panel removal tool   • Phillips screwdriver
- Socket wrench

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.
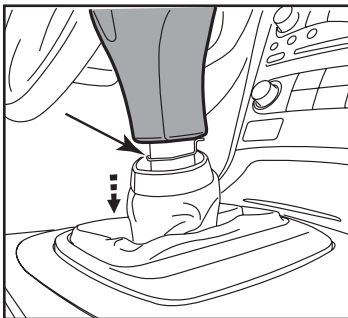**NOTE: Refer also to the instructions included with the aftermarket accessory before installing this device.**

A   B   C   D   E   F   G

H   I   J   K

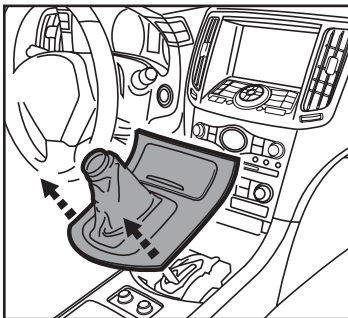**2008-2009 vehicles:**

1. Slide the shifter boot down and remove clip holding shifter knob and remove shifter knob. (Figure A)

2. Unclip and remove shifter boot trim panel. (Figure B)
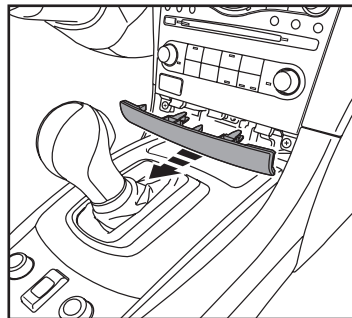
Continued on next page

(Figure A)

(Figure B)

2010-2013 vehicles:

1. Unclip and remove the trim panel from below the factory radio controls. (Figure A)
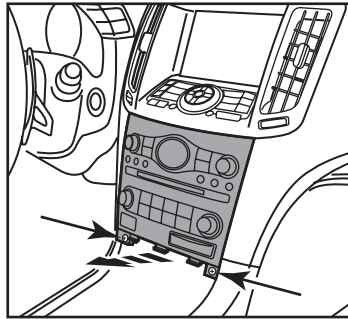
Continued on next page

(Figure A)

2008-2013 vehicles:

3. Remove (2) screws at the bottom of the radio/climate control panel and remove panel. (Figure C)

4. Remove (2) screws at the bottom of the factory display panel and remove panel with the vents. (Figure D)

5. Remove the factory vents and save them for Kit Assembly.

(Figure C)
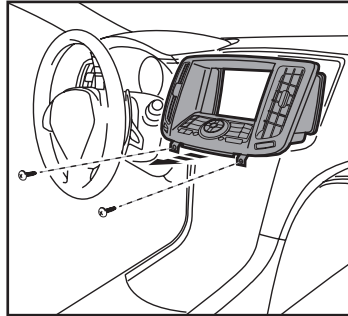
(Figure D)

6. Remove (4) Phillips screws securing the radio chassis and a/c amp bracket assembly then remove the assembly from the dash. (Figure E)

7. Remove (2) Torx screws securing the a/c amp module to the radio chassis/bracket assembly and save for Kit Assembly. (Figure F)

Important Note: The A/C amp module must be re-installed and connected for the vehicle to operate correctly.

Continue to Kit Preparation
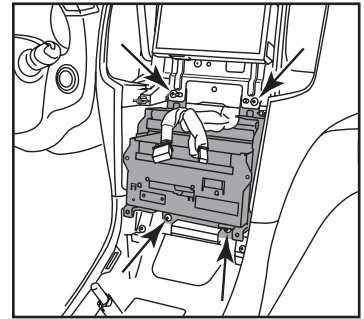
(Figure E)
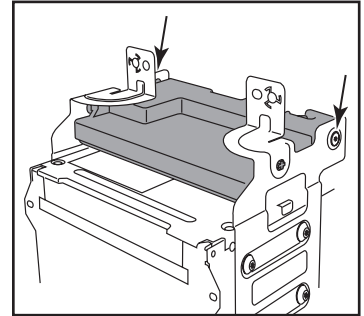
(Figure F)

1. Snap the factory vents into the **upper panel**. (Figure A)

2. Attach the (2) supplied **panel clips** to the **lower panel**. (Figure B)
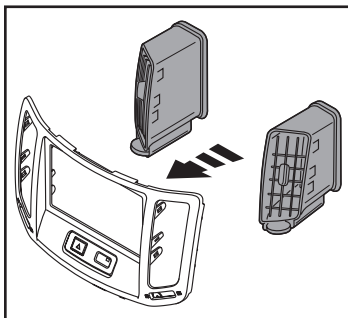
(Figure A)
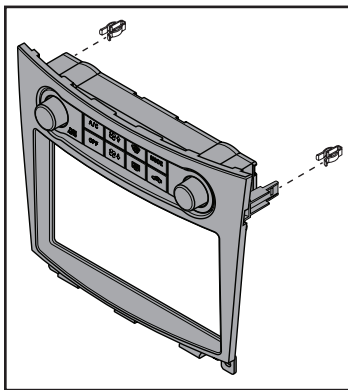
(Figure B)

3. Secure the **touchscreen brackets** to the **touchscreen** using the supplied #8 x 3/8" pan head screws. (Figure C)

4. Attach the (2) supplied **panel clips** to the **bottom trim panel. Note:** factory bottom trim panel can be used if desired. (Figure D)

    Continue to Kit Assembly
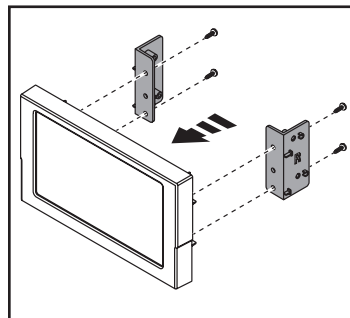
(Figure C)
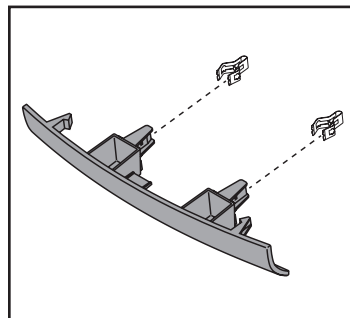
(Figure D)

Full size DDIN mounting in the lower location

1. Secure the touchscreen assembly to the **upper brackets** using the supplied #8 x 3/8" pan head screws. (Figure A)

2. Attach the **lower radio brackets** to the radio using the screws supplied with the radio.

3. Slide the **factory AC Amplifier Module** into the top of the lower brackets and secure with the factory hardware. (Figure B)
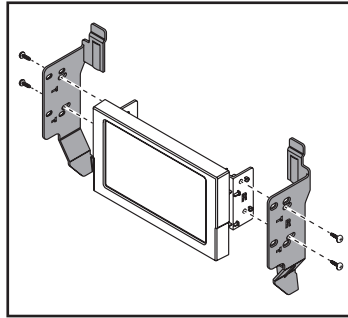
(Figure A)
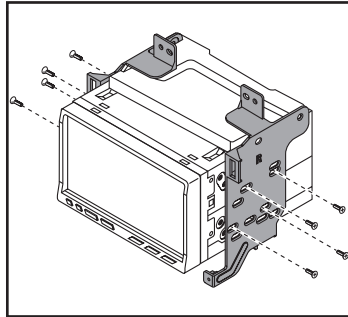
(Figure B)

4. 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 C)

5. Plug in the touchscreen assembly and secure it to the dash using the factory hardware. (Figure D)

Continued on the next page
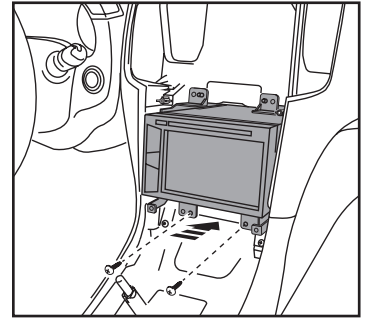
(Figure C)
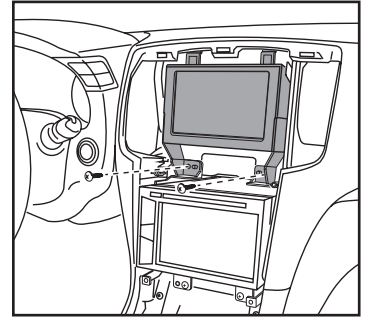
(Figure D)

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

6. 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 E)

7. 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 F)

8. Snap the bottom trim panel assembly in place. (Figure G)
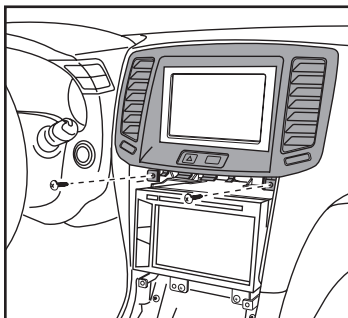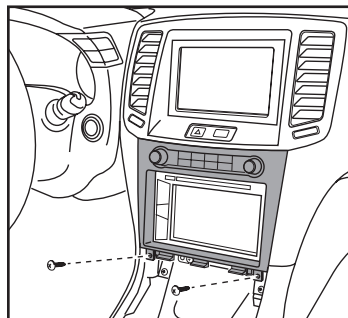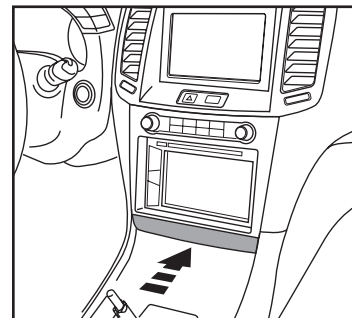
(Figure E)

(Figure F)

(Figure G)

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 top 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)
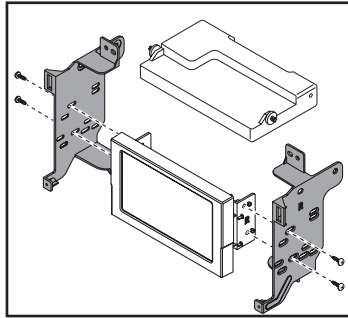
(Figure A)
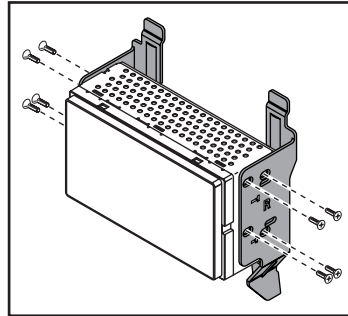
(Figure B)

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)

(Figure C)

(Figure D)

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 bottom trim panel assembly in place. (Figure G)
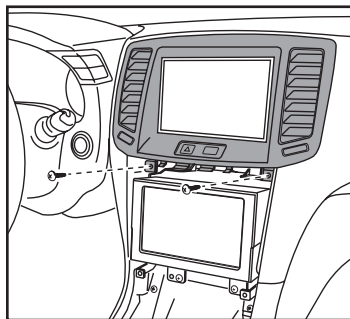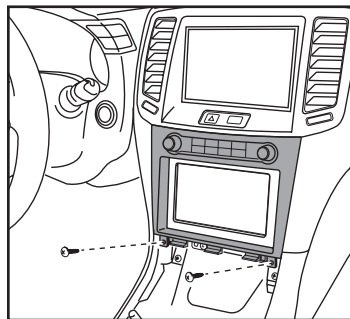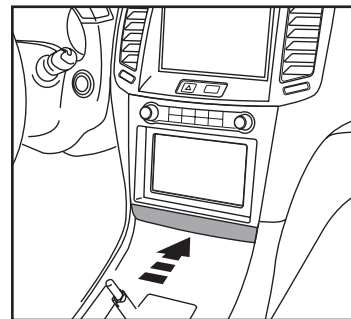
(Figure E)

(Figure F)

(Figure G)

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
*Amplifier not retained in convertibles

INTERFACE COMPONENTS

- 2008-2013 Non-NAV car side harness **(LD-NIS2)**
- 2010-2013 w/factory NAV car side harness **(LD-NISNAV2)**
- 2008-2009 w/factory NAV car side harness **(LD-NISNAV1)**
- 6 volt camera power step down **(AXCSD-6V)**
- 16-pin harness with stripped leads **(LD-2NAVAMPL)**
- Touchscreen
- Airbag assembly
- HVAC control panel
- External Speaker

TABLE OF CONTENTS

TOOLS REQUIRED

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

NON-NAV & NON-AMPLIFIED MODELS 2008-2013 (LD-NIS2)

24 Pin

C **2 Pin**

A

C

B

16 Pin

B

16 Pin

16 Pin

HVAC TOUCHSCREEN (back)

LD-2NAVAMP

Brown - NOT USED
Red - Accessory
Orange - Illumination
Green - NOT USED
Green/Black - NOT USED
Green/Purple - NOT USED
Light Green - Parking
Blue/White - NOT USED
Blue/Pink - VSS
Gray - NOT USED
Gray/Black - NOT USED
White - NOT USED
White/Black - NOT USED
Purple - NOT USED
Purple/Black - NOT USED

Black - Ground
Yellow - Battery Power
Light Green - TBD
Green - Rear Left Speaker **+**
Orange - TBD
Green/Black - Rear Left Speaker **–**
Blue/Pink - TBD
Green/Purple - TBD
Purple - Rear Right Speaker **+**
Purple/Black - Rear Right Speaker **–**
Gray - Front Right Speaker **+**
Gray/Black - Front Right Speaker **–**
White - Front Left Speaker **+**
White/Black - Front Left Speaker **–**
Blue/White - **NO CONNECTION**

A

C

2 Pin

24 Pin

2 Pin

2 Pin

LD-NIS2
NON-AMP

EXTERNAL SPEAKER

Front

Rear

Sub

AFTERMARKET RADIO
(Your radio's features may vary)

Rear View

AUX-IN

SWC

3.5 MM

AUX IN

Fuse

20 Pin

32 Pin

* 12 Pin with RCA(s) not used

RADIO CHASSIS

CARSIDE CONNECTORS

4 Pin
G37 ONLY

16 Pin
G37 ONLY

*Connect to Airbag/Hazard
harness located at upper
center panel location

TO CHASSIS GROUND

6 Pin

14 Pin

14 Pin

HVAC CONTROLLER

A/C   MODE
OFF

6 Pin

HAZARD/AIRBAG

NON-NAV & AMPLIFIED MODELS 2008-2013 (LD-NIS2)

D 2 Pin
A 24 Pin
C 4 Pin
B 16 Pin
16 Pin

HVAC TOUCHSCREEN (back)

24 Pin

LD-2NAVAMP

Brown - NOT USED
Red - Accessory
Orange - Illumination
Green - NOT USED
Green/Black - NOT USED
Green/Purple - Reverse
Light Green - Parking
Blue/White - NOT USED
Blue/Pink - VSS
Gray - NOT USED
Gray/Black - NOT USED
White - NOT USED
White/Black - NOT USED
Purple - NOT USED
Purple/Black - NOT USED

Black - Ground
Yellow - Battery Power
Light Green - TBD
Green - NO CONNECTION
Orange - TBD
Green/Black - NO CONNECTION
Blue/Pink - TBD
Green/Purple - TBD
Purple - NO CONNECTION
Purple/Black - NO CONNECTION
Gray - NO CONNECTION
Gray/Black - NO CONNECTION
White - NO CONNECTION
White/Black - NO CONNECTION
Blue/White - NO CONNECTION

24 Pin

2 Pin

2 Pin

2 Pin

LD-NIS2
AMP W/NON-NAV

EXTERNAL SPEAKER

AFTERMARKET RADIO

Front
Rear
Rear View
AUX-IN
Sub
SWC

35 MM
AUX IN

Fuse

20 Pin

*10 Pin with RCA(s) not used

RADIO CHASSIS

32 Pin

CARSIDE CONNECTORS

TO CHASSIS GROUND

4 Pin
G37 ONLY
*Connect to Airbag/Hazard harness located at upper center panel location
G37 ONLY
16 Pin

14 Pin

14 Pin

HVAC CONTROLLER

A/C   MODE
OFF

6 Pin

6 Pin

HAZARD/AIRBAG

12 Pin

Blue/White - Amp Turn On

Aftermarket Radio

(Your radio's features may vary)

Front

Rear

Sub

AUX-IN

Rear View

SWC

16 Pin

Connections found
at
OE Screen Location

BACKUP CAM

AUX VID

Shield GND

CAM GND

6V camera power

**Connect Chassis Ground to
the Black ground wire from the main harness.**

**Connect Reverse Trigger to
the Green/Purple wire on the LD-2NAVAMP harness.**

Reverse trigger

Chassis ground

6V CAM PWR

AXCSD-6V

AXXESS

AMPLIFIED & NON-AMPLIFIED NAV 2010-2013 MODELS (LD-NISNAV2)

24 Pin

C **2 Pin**

A

16 Pin

B

B

16 Pin

16 Pin

HVAC TOUCHSCREEN (back)

A

C

24 Pin

2 Pin

LD-NISNAV2

EXT SPKR

2 Pin

2 Pin

EXTERNAL SPEAKER

LD-2NAVAMP

Brown - NOT USED
Red - Accessory
Orange - Illumination
Green - NOT USED
Green/Black - NOT USED
Green/Purple - Reverse
Light Green - Parking
Blue/White - NOT USED
Blue/Pink - VSS
Gray - NOT USED
Gray/Black - NOT USED
White - NOT USED
White/Black - NOT USED
Purple - NOT USED
Purple/Black - NOT USED

AFTERMARKET RADIO

Front
(Your radio's features may vary)

Rear

Rear View

AUX-IN

Sub

SWC

Black - Ground
Yellow - Battery Power
Green - Rear Left Speaker **+**
Green/Black - Rear Left Speaker **–**
Purple - Rear Right Speaker **+**
Purple/Black - Rear Right Speaker **–**
Gray - Front Right Speaker **+**
Gray/Black - Front Right Speaker **–**
White - Front Left Speaker **+**
White/Black - Front Left Speaker **–**
Blue/White - Amp Turn On

TBD

Orange – TBD
Light Green – TBD
Blue/Pink – TBD
Green/Purple – TBD

4 Pin

G37 ONLY

G37 ONLY

*Connect to Airbag/Hazard harness located at upper center panel location

16 Pin

14 Pin

14 Pin

HVAC CONTROLLER

A/C   MODE

OFF

6 Pin

HAZARD/AIRBAG

6 Pin

Fuse

20 Pin

***28 Pin with White & Red RCA(s) are not used**

32 Pin

RADIO CHASSIS

TO CHASSIS GROUND

CARSIDE CONNECTORS

Aftermarket Radio

(Your radio's features may vary)

Front

Rear

Sub

AUX-IN

Rear View

SWC

Backup Camera

24 Pin

Connections found
at
OE Screen Location

40 Pin

To DVD

AUX VID

Camera Shield GND

Camera Shield GND

6V camera power

! Connect Chassis Ground to
the Black ground wire from the main harness.

! Connect Reverse Trigger to
the Green/Purple wire on the LD-2NAVAMP harness.

AXCSD-6V

Reverse trigger

Chassis ground

6V CAM PWR

AXXESS

NAV 2008-2009 MODELS (LD-NISNAV1)

24 Pin

C 2 Pin

16 Pin

A

B

C

HVAC TOUCHSCREEN (back)

16 Pin

A

24 Pin

2 Pin

EXT SPKR

2 Pin   **2 Pin**

LD-NISNAV1

EXTERNAL SPEAKER

B 16 Pin

LD-2NAVAMP

Brown - NOT USED
Red - Accessory
Orange - Illumination
Green - NOT USED
Green/Black - NOT USED
Green/Purple - Reverse
Light Green - Parking
Blue/White - NOT USED
Blue/Pink - VSS
Gray - NOT USED
Gray/Black - NOT USED
White - NOT USED
White/Black - NOT USED
Purple - NOT USED
Purple/Black - NOT USED

Black - Ground
Yellow - Battery Power
Green - Rear Left Speaker **+**
Green/Black - Rear Left Speaker **−**
Purple - Rear Right Speaker **+**
Purple/Black - Rear Right Speaker **−**
Gray - Front Right Speaker **+**
Gray/Black - Front Right Speaker **−**
White - Front Left Speaker **+**
White/Black - Front Left Speaker **−**
Blue/White - Amp Turn On

TBD

Orange − TBD
Light Green − TBD
Blue/Pink − TBD
Green/Purple− TBD

AFTERMARKET RADIO
(Your radio's features may vary)   AUX-IN
Front
Rear   Rear View
Sub
SWC

4 Pin

G37 ONLY

G37 ONLY

*Connect to Airbag/Hazard harness located at upper center panel location

16 Pin

FUSE

20 Pin

32 Pin

RADIO CHASSIS

14 Pin

14 Pin

HVAC CONTROLLER

A/C   WIPER
OFF   DEFOG

6 Pin

6 Pin

HAZARD/AIRBAG

TO CHASSIS GROUND   CARSIDE CONNECTORS

Not Used

AFTERMARKET RADIO
(Your radio's features may vary)

Front
Rear
Sub
Rear View
AUX-IN
SWC

AUX in

16 Pin

RADIO CHASSIS

Backup CAM

Not Used

Shield GND

12 Pin

Connections found
at
OE Screen Location

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 axxess 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-2NAVAMP Harness) into plug B of the HVAC Screen.

3. Plug in the 2 pin plug from the Main Harness into the HVAC Screen

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.

4. Plug in the 24 pin plug from the MAIN HARNESS into Port "A" of the HVAC touchscreen display.
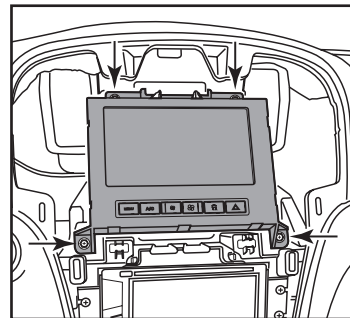
Important: Do not plug in the carside connectors (OE radio plugs) until step 1 of the Programing Section.

5. Port F is an updater port used for updating the firmware using the Axxess Updater Program.

6. Secure the touchscreen to the dash using the factory screws.

Continue to Programming
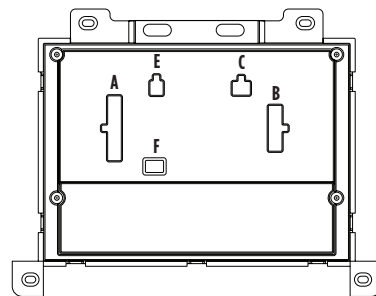
(Figure A)

(Figure B)

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.

*Continue to 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
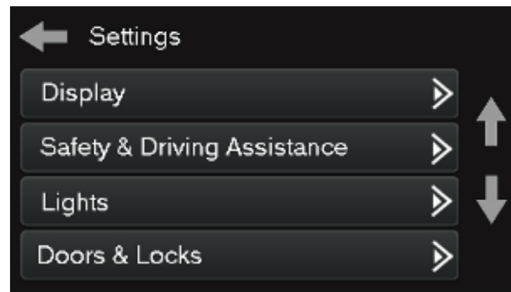
Display

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

• Language

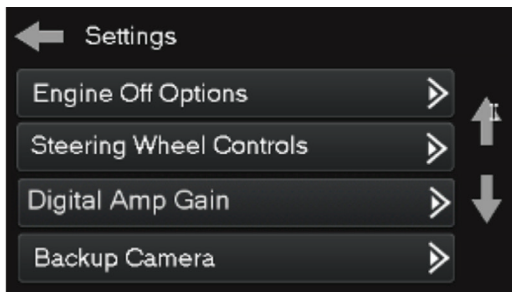• Units

Safety & Driving Assistance - Factory features

Lights - Factory features

Doors & Locks - Factory features

Continued on the next page

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.
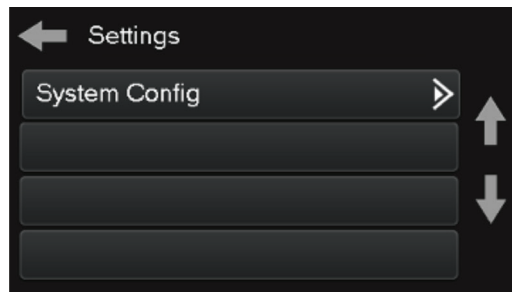
System Configuration

• 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

Remap Buttons screen
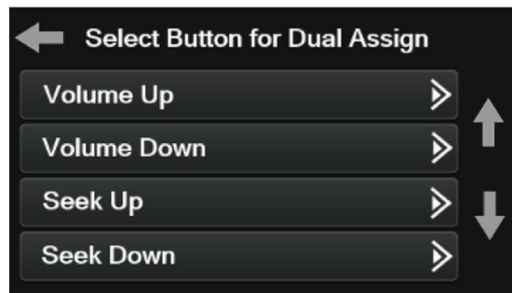

Dual Assign screen

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

- 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

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.

1. Mount the completed radio/climate control assembly in the dash using the screws supplied with the factory radio.
2. Snap the **radio trim panel with touchscreen display** over the completed assembly, and then reassemble the dash in reverse order of disassembly.

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) †
13	LG
14	Parrot **
15	XITE
16	Philips
17	TBA
18	JBL
19	Insane
20	Magnadyne
21	Boss
22	Axxera
23	Axxerra (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.
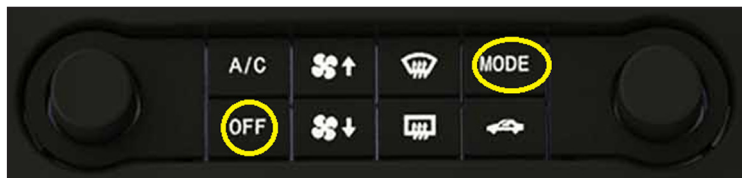
† If a **Clarion** or **Eclipse** radio is installed and the steering wheel controls do not function, change the radio to **Clarion (type 2)** or **Eclipse (type 2)** respectively. If the steering wheel controls still do not function, refer to the **Changing Radio Type** document available at **axxessinterfaces.com**.

‡ 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**.

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

TROUBLESHOOTING

Pressing and Holding the "OFF" and "MODE" Will reset the Kit.

Metra recommends MECP certified technicians