



Ford Explorer (with 8-inch touchscreen) 2011-2019

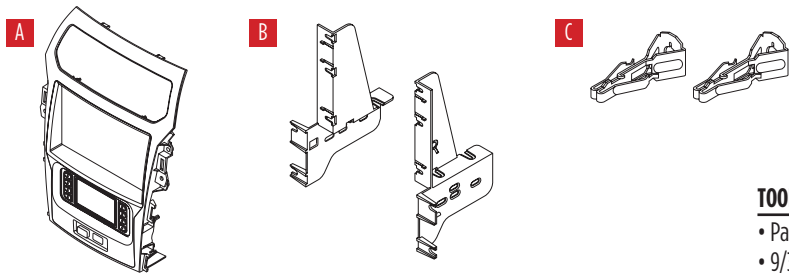
Visit MetraOnline.com for more detailed information about the product and up-to-date vehicle specific applications

KIT FEATURES

- Designed specifically for the Pioneer DMH-C5500NEX 8-inch radio
- Touchscreen display for climate and most personalization features
- Included interface for climate and steering wheel functions
- Integrated hazard switch and passenger airbag indicator
- Painted charcoal to match the factory finish

KIT COMPONENTS

- A) Radio bezel (w/airbag light & hazard switch and touchscreen) • B) Radio brackets • C) Panel clips (2)
- D) Axxess interface and wiring harness (not shown) • E) Antenna adapter (not shown)



TOOLS REQUIRED

- Panel removal tool • Phillips screwdriver
- 9/32" Socket wrench • Torx screwdriver

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WIRING & ANTENNA CONNECTIONS

- Wiring Harness: Axxess interface built into kit
- Antenna Adapter: Included with kit
 - USB retention sold separately. AX-FDUSBAUX for 2015-2019, AXFD-USB3 for 2011-2014.

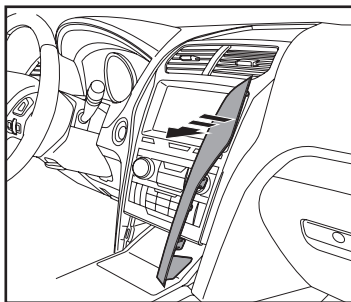
ATTENTION: With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections, especially the air bag indicator lights, are plugged in before reconnecting the battery or cycling the ignition to test this product.

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

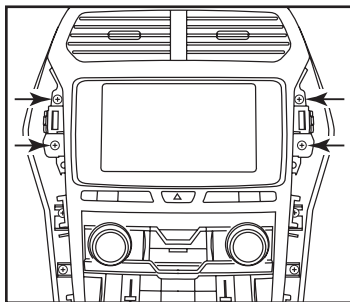
DASH DISASSEMBLY

1. Unclip and remove the trim panels to the left and right of the climate & radio control panel. (Figure A)
2. Remove (4) 9/32" screws securing the climate & radio control panel, then remove. (Figure B)
3. Unclip, unplug, and remove the climate & radio control panel. (Figure C)
4. Remove (4) 9/32" screws securing the radio chassis. Slide the chassis out, then unplug and remove. (Figure D)
5. Remove (4) 9/32" screws securing the radio display, then unplug and remove. (Figure E)

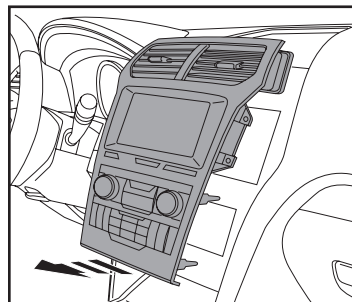
Continue to Kit Preparation



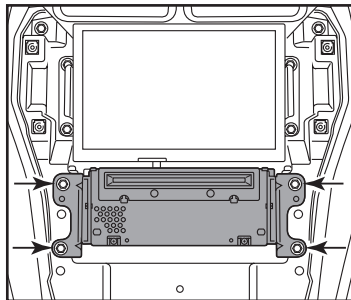
(Figure A)



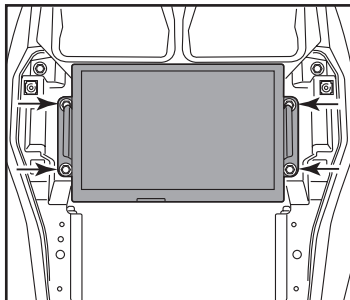
(Figure B)



(Figure C)



(Figure D)

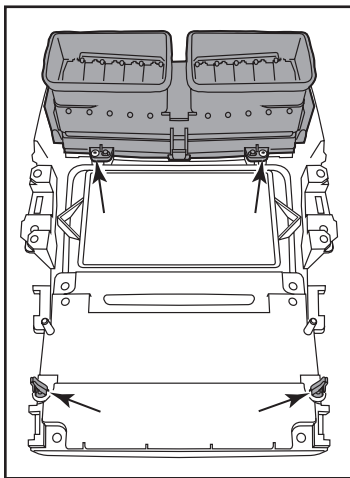


(Figure E)

KIT PREPARATION

From the factory climate & radio control panel:

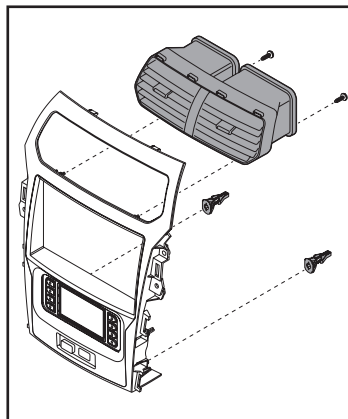
1. Remove (2) panel clips. (Figure A)
2. Remove (2) Torx screws securing the a/c vents, then unclip and remove the vents. (Figure A)



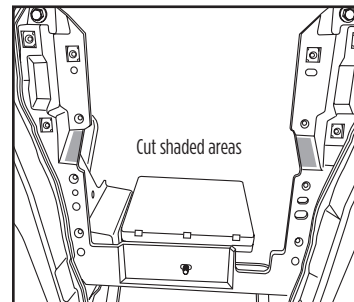
(Figure A)

To the FD8CH radio bezel:

3. Clip the a/c vents in, then secure using (2) Phillips screws provided. (Figure B)
4. Attach (2) factory panel clips. New panel clips have been provided if the factory clips are missing or damaged. (Figure B)



(Figure B)



(Figure C)

Sub-dash modification

5. Cut the shaded area as shown to allow room for the aftermarket radio. (Figure C)

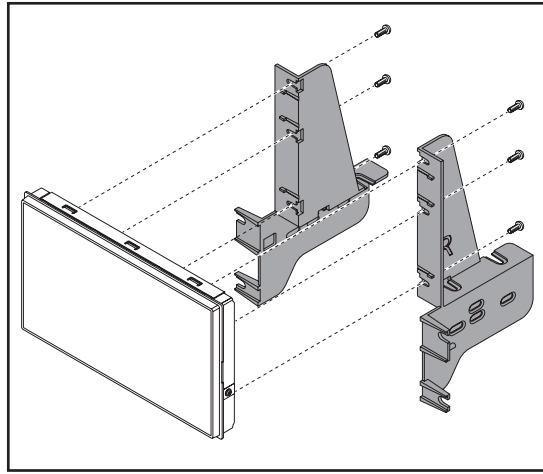
Continue to Kit Assembly

KIT ASSEMBLY

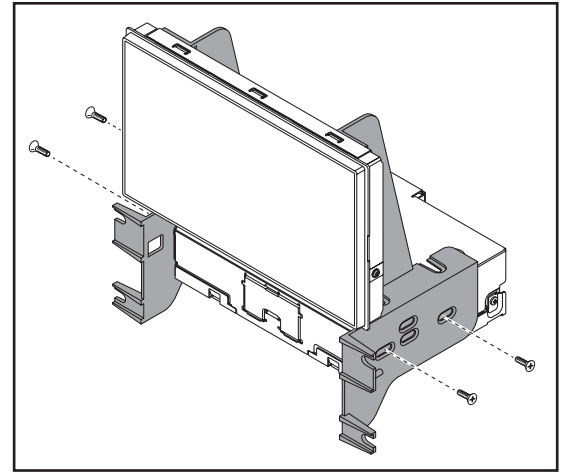
Note: For steps 1 and 2, reference the installation manual provided with the radio for which hardware to use. The display screen and radio chassis use two different types of screws.

1. Secure the display screen to the **radio brackets** using (6) screws supplied with the radio. (Figure A)
2. Secure the radio chassis to the **radio brackets** using (4) screws supplied with the radio. (Figure B)

Continue to Axxess Interface Installation



(Figure A)



(Figure A)

AXXESS INTERFACE INSTALLATION

INTERFACE FEATURES

- Provides retained accessory power
- Provides illumination, parking brake, reverse, and speed sense outputs
- Retains audio controls on the steering wheel
- Retains the factory backup camera
- Retains balance
- Micro-B USB updatable

INTERFACE COMPONENTS

- Axxess interface (built into touchscreen display)
- Airbag-Light/Hazard harness
- 16-pin harness
- 3.5mm adapter
- 4-pin adapter harness
- AUX video harness
- Backup camera harness
- FD8CH harness (main harness)

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TOOLS REQUIRED

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

CONNECTIONS

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

- **Red** wire to the accessory wire.
- **Blue/White** wire to the amp turn on wire.
- **Orange/White** to the illumination wire. (If applicable)
- **Gray** wire to the front right positive speaker output.
- **Gray/Black** wire to the front right negative speaker output.
- **White** wire to the front left positive speaker output.
- **White/Black** wire to the front left negative speaker output.
- **Green** wire to the rear left positive speaker output.
- **Green/Black** wire to the rear left negative speaker output.
- **Purple** wire to the rear right positive speaker output.
- **Purple/Black** wire to the rear right negative speaker output.
- **Blue/Pink** wire to the VSS/speed sense wire. (If applicable)
- **Green/Purple** wire to the reverse wire. (If applicable)
- **Light Green** wire to the parking brake wire. (If applicable)
- Tape off and disregard the following (5) wires:

Brown, Green, Green/Black, Purple, Purple/Black

From the FD8CH harness to the aftermarket radio, connect:

- **Black** wire to the ground wire.
- **Yellow** wire to the battery wire.
- Disregard the **Red & White** RCA jacks labeled “RSE/SYNC®/SAT”.
- Disregard the **Red & White** RCA jacks labeled “FROM 3.5”.
- Disregard the DIN jack.
- Tape off and disregard the following (6) wires:

Blue, Green, Green/Black, Purple, Purple/Black, Red

From the 3.5mm jack to the aftermarket radio:

- **Parrot:** Connect the AX-SWC-PARROT (sold separately) to the 3.5mm jack then to the radio.

For the radios listed below: Connect the 3.5mm adapter to the 3.5mm jack.

- **Eclipse:** Brown - Brown/White / Brown/White - Brown
- **Kenwood / JVC (with SWC wire):** Blue/Yellow - Brown
- **Metra OE:** Key 1 (Gray) - Brown
- **Universal “2 or 3 wire” radio:** Key-A or SWC-1 - Brown / Key-B or SWC-2 - Brown/White
Note: After programming, assign SWC buttons within menu.
- **XITE:** SWC-2 - Brown
- **For all other radios:** Connect the 3.5mm jack to the radio.

Backup camera harness:

There are two different methods for connecting the factory backup camera.

To the aftermarket radio:

- Connect the **Yellow** RCA jack to the backup camera input.

To the touchscreen display:

- Connect the **Yellow** RCA jack, to the **Yellow** RCA jack from the **AUX video harness** labeled “Rearview camera”.

Note: If this method is chosen, the backup camera option must be enabled in Configuration Settings.

- Disregard the **Yellow** RCA jack labeled “AUX video”.

INSTALLATION

With the ignition in the off position, connect the:

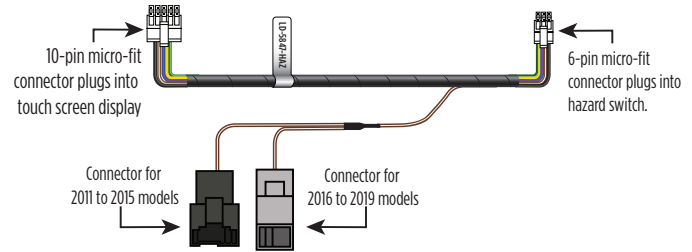
1. **16-pin harness** into port **A**.
2. **FD8CH harness** into port **B**.
3. **AUX video harness** into port **C**.
4. **Airbag-Light/Hazard harness** into port **D**. (Figure A)

2011-2015

- a. Connect the 6-pin “stacked” *male* connector to the passenger airbag light & hazard switch in the **radio bezel**.
- b. Connect the 6-pin “stacked” *female* connector to the wiring harness in the vehicle. This was the harness removed in Dash Disassembly, step 3.
- c. Disregard the 6-pin “flat” *female* connector.

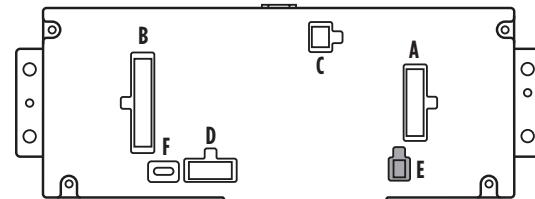
2016-2019

- a. Connect the 6-pin “stacked” *male* connector to the passenger airbag light & hazard switch in the **radio bezel**.
- b. Connect the 6-pin “flat” *female* connector to the wiring harness in the vehicle. This was the harness removed in Dash Disassembly, step 3.
- c. Disregard the 6-pin “stacked” *female* connector.



(Figure A)

5. Disregard port **E**. (Figure B)
6. Port **F** is a Micro-B USB input for updating the interface.
7. Locate the factory antenna connector in the dash and complete all necessary connections to the radio. Use the **antenna adapter** provided to adapt the factory antenna to the aftermarket radio.



(Figure B)

PROGRAMMING

1. Open the driver's door and keep open during the programming process.
 2. Cycle the ignition on.
 3. Connect the **FD8CH harness** to the wiring harness in the vehicle.
 4. Once the touchscreen display loads up, select the vehicle type.
 5. Wait until the radio comes on and the touchscreen display shows: **SWC Configured!**
 6. Cycle the ignition off, then back on.
 7. Test all functions of the installation for proper operation. (a)
- (a) If the interface fails to function, press the **Reset Vehicle Type** button mentioned in **System Configuration**, then resume from step 4.

FINAL ASSEMBLY

1. Slide the radio into the dash location where the factory radio chassis was removed from. Secure using the factory screws.
2. Reassemble the dash in reverse order of disassembly using the **108-FD8CH radio bezel** to complete the installation.

TOUCHSCREEN DISPLAY OPERATION

Climate Control Screen

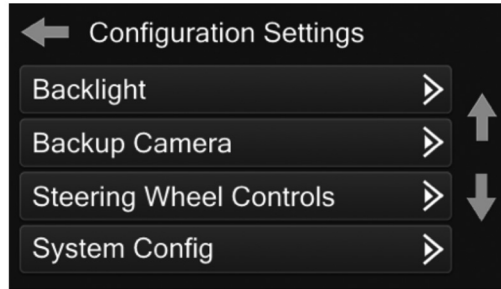


- This is the climate control screen which will be displayed on the touchscreen display. This is considered the **Main Menu**.
- The upper left tab with (3) arrows will take you to the **Heated/Cooled** seats screen (if applicable).

- This screen will also include **Heated Steering** (If applicable).
- The upper right tab with a gear icon will take you to the **Configuration Settings** screen.
- The climate controls will function in the same manner that they did with the factory climate controls.

TOUCHSCREEN DISPLAY OPERATION (CONT.)

Configuration Settings screen



• **Backlight**

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

• **Backup Camera**

- Enable/disable the backup camera image to the touchscreen display. Disabled by default.

• **Steering Wheel Controls**

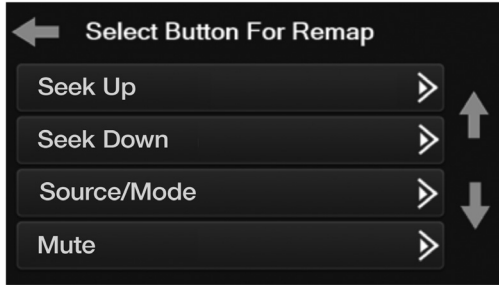
- Remap Buttons – For remapping the steering wheel control buttons
- Dual Assign – For dual assigning the steering wheel control buttons (long button press)
- Select Radio – For auto detecting the radio, or changing the radio type

System Configuration

- About - Information regarding the software in the kit.
- Vehicle Config – Factory features.
- Reset Vehicle Type - To reset the kit to default settings.

STEERING WHEEL CONTROL SETTINGS

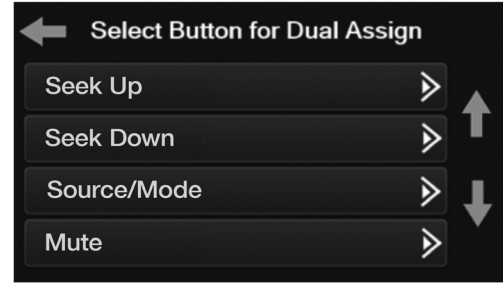
Remap Buttons



- The button assignment may be reassigned. For example, **Seek Down** may be preferred to be **Mute** instead. Follow the prompts to program the button(s) how desired.

Note: The aftermarket radio may not have the desired command(s). Contact the radio manufacturer for more information.

Dual Assign



- Two functions can be assigned to a single button except for **Volume Up** and **Volume Down**. Follow the prompts to program the button(s) how desired.

Note: Seek Up and Seek Down come programmed as Preset Up and Preset Down.

STEERING WHEEL CONTROL SETTINGS (CONT.)

Select Radio screen



- 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.
- Following is a list of radio manufacturers that the interface presently acknowledges. Others may be added at a later date. Universal “2 or 3 wire” radios can show up as any of these radio manufacturers.

Eclipse (type 1) (a)	Eclipse (type 2) (a)
Kenwood (b)	LG
Clarion (type 1) (a)	Parrot (d)
Boss (type 1) / Dual / Sony (a) -Boss only	XITE
JVC	Philips
Pioneer/Jensen	JBL
Alpine (c)	Insane Audio
Visteon / Boss (type-4) (a) -Boss only	Magnadyne
Valor	Boss (type-3) (a)
Clarion (type 2) (a)	Axxera (resistive SWC)
Boss (type-2) / Metra OE	Axxera (data SWC) (e)

- (a)** If no SWC, change the radio type to the opposite radio type.
- (b)** If the interface shows JVC, change the radio type to Kenwood.
- (c)** If an Alpine radio isn't installed, make sure the 3.5mm jack is plugged in.
- (d)** AX-SWC-PARROT required (sold separately). Radio software must be at least 2.1.4.
- (e)** Indicated by an SWC wire labeled “IR”.



108-FD8CH

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**