Dodge **Durango** 2014-2020

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KIT FEATURES

- ISO DIN radio provision with pocket
- ISO DDIN radio provision
- Touchscreen display for climate and personalization features
- Painted Black

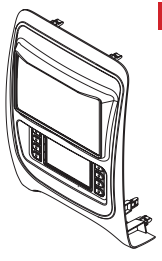
TOOLS REQUIRED

• Panel removal tool • Phillips screwdriver • 9/32" socket wrench • 5.5mm socket wrench

KIT COMPONENTS

• A) Radio trim panel with touchscreen display • B) Radio brackets • C) Pocket • D) #8 x 3/8" Phillips screws (4) • E) Panel clips (6)
• F) Antenna adapter (not shown)

A



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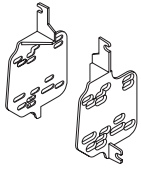

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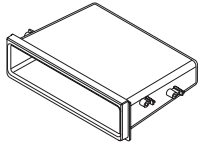
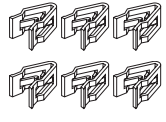


D

E



Product Info

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WIRING & ANTENNA CONNECTIONS

Wiring Harness: Axxess interface built into touchscreen
Antenna Adapter: Included with kit
Steering wheel control interface: Included with kit

***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.*

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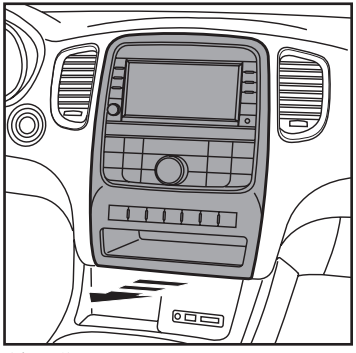
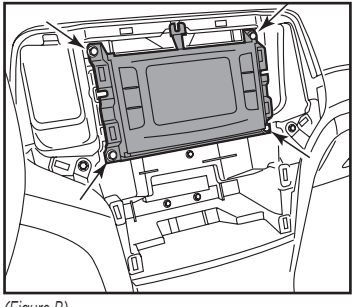
DASH DISASSEMBLY

1. Using the panel removal tool, gently unclip, unplug, and remove the climate control panel. (Figure A)
2. Remove (4) 9/32" screws securing the radio/display screen, and then unplug and remove. (Figure B)
3. Remove (3) 5.5mm screws securing the black control module in the sub-dash, and then relocate lower to allow clearance for the aftermarket radio. (Figure C)

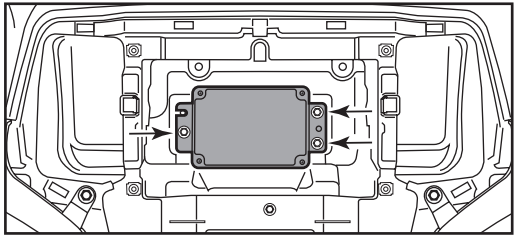
Continue to Kit Preparation



(Figure A)



(Figure B)



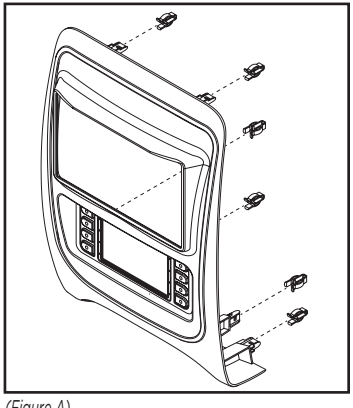
(Figure C)

KIT PREPARATION

To the 99-6537CH radio trim panel:

1. Attach the (6) **panel clips** provided in this kit. (Figure A)

Continue to Kit Assembly



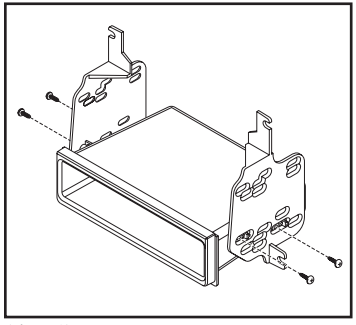
(Figure A)

KIT ASSEMBLY

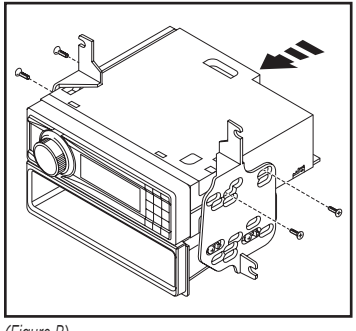
ISO DIN radio provision with pocket

1. Attach the pocket to the **radio brackets** using the (4) #8 x 3/8" Phillips screws provided in this kit. (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)

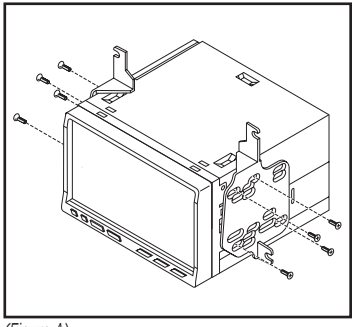


(Figure B)

ISO DDIN radio provision

1. Attach the **radio brackets** to the radio using the screws supplied with the radio. (Figure A)
2. Reconnect the negative battery terminal and prepare for the Axxess interface installation.

Continue to Axxess Interface Installation



(Figure A)

AXXESS INTERFACE INSTALLATION

INTERFACE FEATURES

- Can be used in amplified or non-amplified models
- 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 safety chimes
- Retains the factory backup camera
- Retains the factory AUX-IN jack
- Retains balance and fade (Non-amplified models only)
- USB Micro-B updatable

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INTERFACE COMPONENTS

- Axxess interface (built into the touchscreen display)
- 6537 harness
- 16-pin harness with stripped leads
- 4-pin harness with yellow RCA jacks
- Hazard harness (LD-CHRYHAZ2)
- Female 3.5mm connector with stripped leads

TOOLS REQUIRED

- Wire cutter
- Crimp tool and connectors (example: butt-connectors, bell caps, etc.)

or

- Solder gun, solder, and heat shrink
- Tape
- Zip-ties
- Small flat-blade screwdriver

CONNECTIONS

Attention! This interface will work with models that are either non-amplified, or 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* a factory amplifier:

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

- **Red** wire to the accessory wire.
- **Orange/White** wire to the illumination wire. (if applicable)
- **Green** wire to the left rear (+) speaker output.
- **Green/Black** wire to the left rear (-)speaker output.
- **Purple** wire to the right rear (+) speaker output.
- **Purple/Black** wire to the right rear (-) output.

Tape off and disregard the following (6) wires, they will not be used in this application:
Blue/White, **Brown**, **Gray**, **Gray/Black**, **White**, **White/Black**

The following (3) wires are only for multimedia/navigation radios that require these wires.

- **Blue/Pink** wire to the VSS/speed sense wire.
- **Green/Purple** wire to the reverse wire.
- **Light Green** wire to the parking brake wire.

From the 6537 harness to the aftermarket radio, connect as indicated:

- **Black** wire to the ground wire.
- **Yellow** wire to the battery wire.
- **Gray** wire to the right front (+) speaker output.
- **Gray/Black** wire to the right front (-) speaker output.
- **White** wire to the left front (+) speaker output.
- **White/Black** wire to the left front (-) speaker output.
- The 4-pin connector from the 6537 harness to the 4-pin harness with **Yellow** RCA jacks.
- **Yellow** RCA jacks to the reverse camera input. (if retaining the factory backup camera)
- **Red** and **White** RCA jacks to the audio AUX-IN jacks of the aftermarket radio. (if using the AUX-IN jack in the dash)
  Note: Disregard the DIN jack, it will not be used in this application.

Continue to 3.5mm jack steering wheel control retention

Attention! This interface will work with models that are either non-amplified, or 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 *with* a factory amplifier:

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

- **Red** wire to the accessory wire.
- **Blue/White** wire to the amp turn on wire.
  Note: This wire must be connected to hear sound from the factory amplifier.
- **Orange/White** wire to the illumination wire. (if applicable)
- **Gray** wire to the right front (+) speaker output.
- **Gray/Black** wire to the right front (-) speaker output.
- **White** wire to the left front (+) speaker output.
- **White/Black** wire to the left front (-) speaker output.
- **Green** wire to the left rear (+) speaker output.
- **Green/Black** wire to the left rear (-) speaker output.
- **Purple** wire to the right rear (+) speaker output.
- **Purple/Black** wire to the right rear (-) speaker output.

Tape off and disregard the following (1) wire, it will not be used in this application: **Brown**

The following (3) wires are only for multimedia/navigation radios that require these wires.

- **Blue/Pink** wire to the VSS/speed sense wire.
- **Green/Purple** wire to the reverse wire.
- **Light Green** wire to the parking brake wire.

From the 6537 harness to the aftermarket radio, connect as indicated:

- **Black** wire to the ground wire.
- **Yellow** wire to the battery wire.

Tape off and disregard the following (4) wires, they will not be used in this application:
Gray, **Gray/Black**, **White**, **White/Black**

- The 4-pin connector from the 6537 harness to the 4-pin harness with **Yellow** RCA jacks.
- **Yellow** RCA jacks to the reverse camera input. (if retaining the factory backup camera)
- **Red** and **White** RCA jacks to the audio AUX-IN jacks of the aftermarket radio. (if using the AUX-IN jack in the dash)
  Note: Disregard the DIN jack, it will not be used in this application.

Continue to 3.5mm jack steering wheel control retention

3.5mm jack – steering wheel control retention:

The 3.5mm jack is to be used to retain audio controls on the steering wheel control.

- **For the radios listed below:** Connect the **female 3.5mm connector with stripped leads**, to the male 3.5mm SWC jack from the **6537 harness**. Any remaining wires tape off and disregard.
  - **Eclipse:** Connect the steering wheel control wire, normally **Brown**, to the **Brown/White** wire of the connector. Then connect the remaining steering wheel control wire, normally **Brown/White**, to the **Brown** wire of the connector.
  - **Metra OE:** Connect the **Gray** steering wheel control wire (Key 1) to the **Brown** wire.
  - **Kenwood or select JVC with a steering wheel control wire:** Connect the **Blue/Yellow** wire to the **Brown** wire.

    Note: If the **Kenwood** radio auto detects as a **JVC**, manually set the radio type to **Kenwood**. See the instructions under changing radio type.
  - **XITE:** Connect the steering wheel control SWC-2 wire from the radio to the **Brown** wire.
  - **Parrot Asteroid Smart or Tablet:** Connect the 3.5mm jack into the AX-SWC-PARROT (sold separately), and then connect the 4-pin connector from the AX-SWC-PARROT into the radio.

    Note: The radio must be updated to rev. 2.1.4 or higher software.
  - **Universal "2 or 3 wire" radio:** Connect the steering wheel control wire, referred to as Key-A or SWC-1, to the **Brown** wire of the connector. Then connect the remaining steering wheel control wire, referred to as Key-B or SWC-2, to the **Brown/White** wire of the connector. If the radio comes with a third wire for ground, disregard this wire.

    Note: After the interface has been programmed to the vehicle, refer to the manual provided with the radio for assigning the SWC buttons. Contact the radio manufacturer for more information.
- **For all other radios:** Connect the 3.5mm jack into the port on the radio designated for an external steering wheel control interface. Please refer to the aftermarket radio's manual, if in doubt as to where the 3.5mm jack connects.

4-pin harness with yellow RCA jacks:

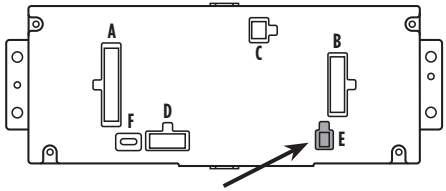
- If retaining the factory backup camera to the touchscreen display is desired, connect the **Yellow** RCA jack labeled "Rearview camera", to the **Yellow** RCA jack from the 6537 harness. **Note:** If this method is chosen, the backup camera option must be enabled in the **Settings** screen.
- Disregard the **Yellow** RCA jack labeled "AUX video", it will not be used in this application.

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. 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 connector to the aftermarket radio.
2. **Connect** the *16-pin harness with stripped leads* into port **"B"** in the touchscreen display.
3. **Connect** the *4-pin harness* with **Yellow** RCA jacks into port **"C"** of the touchscreen display.
4. **Connect** the **hazard harness' (LD-CHRYHAZ2)** *10-pin connector* into port **"D"** of the touchscreen display, and then to the designated *8-pin wiring harness* in the vehicle.
   Note: Be sure to plug in the *8-pin connector* from the climate control/Hazard. Using the wrong 2-pin connector in port "**E**" will jam the CANBUS.
5. **Connect the** *2-pin connector* labeled **A** into port **"E"**.
6. Port **"F"** is an update port for future firmware upgrades.



Note: 2018-2020 only, connect the *2-pin connector* labeled **A** into port **"E"**

PROGRAMMING

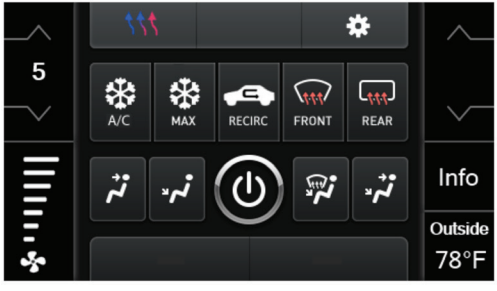
1. Connect the *6537 harness* to the wiring harnesses in the vehicle. Then insert the *6537 harness* into port **"A"** in the touchscreen display.
   Note: This is a timed process.
2. Press the push-to-start button to start the vehicle.
3. Program the Axxess interface built into the touchscreen display:
   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**. 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**, turn the vehicle off and disconnect the *6537 harness* from port **"A"** in the touchscreen display. Check all connections, then reset the interface and try again. If that fails, refer to the **Troubleshooting** section.
4. Cycle the key off. If the driver's door is closed, open and close the door. Cycle the key back on.
5. Refer to the **Settings** page within the **Touchscreen Display Operation** section. Ensure that all factory features have been selected properly according to the options available for the vehicle.
6. Test all functions of the installation for proper operation, before reassembling the dash.
   Note: The clock and compass in the driver's information center will no longer be functional.

FINAL ASSEMBLY

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.

Climate Control screen

Auto Climate Control Screen

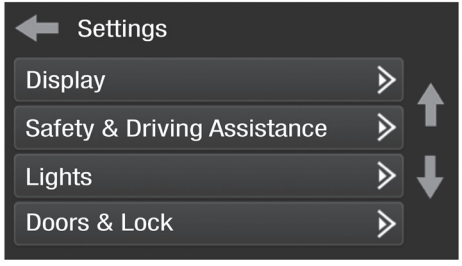


Manual Climate Control Screen

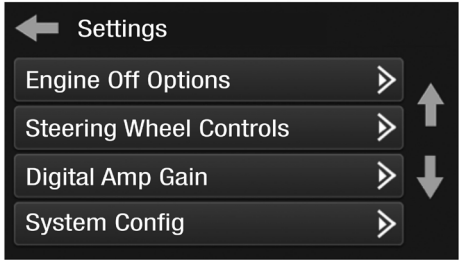
- This is the climate control screen which will be displayed on the touchscreen display. This is considered the **Main Menu**.
- The upper left tab with (3) arrows will take you to the screen where the **Heated/Cooled Seats**, **Heated Steering**, and **Mirror Dimming** are now placed, if applicable.
- 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.
- For models with rear climate controls, the button labeled **REAR** will take you to the rear climate control menu.

Continued on the next page

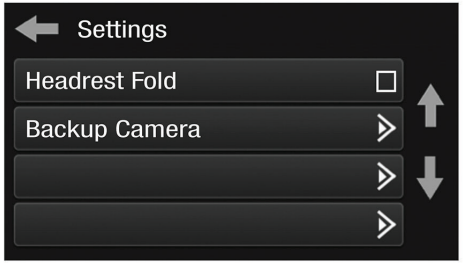
Settings Screen



- **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



- **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



- **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
- **Headrest Fold** - On/Off
- **Backup Camera**
  - Enable/disables the backup camera image to the touchscreen display. Disabled by default.

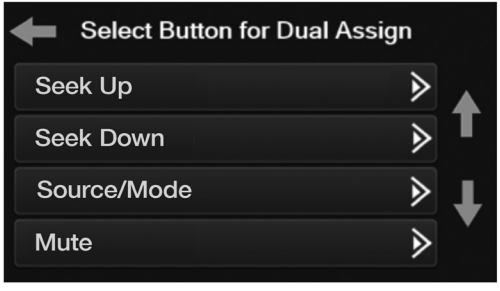
STEERING WHEEL CONTROL SETTINGS

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.

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.

Radio
Eclipse (type 1) †
Kenwood ‡
Clarion (type 1) †
Sony / Dual
JVC
Pioneer / Jensen
Alpine *
Visteon
Valor
Clarion (type 2) †
Metra OE
Eclipse (type 2) †

Radio
LG
Parrot **
XITE
Philips
TBA
JBL
Insane
Magnadyne
Boss
Axxera
Axxerra (type 2)

*** Note:** If the interface shows an Alpine radio, and you do not have an Alpine radio, that means the interface does not detect a radio connected it, i.e., an open connection. Verify that the 3.5mm jack is connected to the correct steering wheel jack/wire in the radio.

**** Note:** The AX-SWC-PARROT is required (sold separately). Also, the Parrot radio must be updated to rev. 2.1.4 or higher through www.parrot.com.

† Note: If you have a Clarion radio and the steering wheel controls do not work, change the radio type to the other Clarion radio type; same for Eclipse.

‡ Note: If you have a Kenwood radio and the touchscreen display shows a JVC radio, change the radio type to Kenwood.

Resetting the interface

Option # 1

1. With everything connected and the car running.
2. Hold the bottom two buttons for (3) seconds, then release. (Figure A)
   (The screen will turn black and then the vehicle selection screen will appear)
3. Select your vehicle and wait till the **"SWC Configured"** appears on the screen.
4. Turn the ignition off and restart the vehicle, and then test the Axxess interface.

Option #2

1. With the vehicle running, press the **Reset Vehicle Type** button located in **System Configuration.** This will reset the kit to default settings.
2. Refer to **Programming,** step 3, from this point.

(Figure A)

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

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.edu or call 386-672-5771 for more information and take steps toward a better tomorrow.

Metra recommends MECP certified technicians

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