



## Kia Soul (Non-NAV) 2020

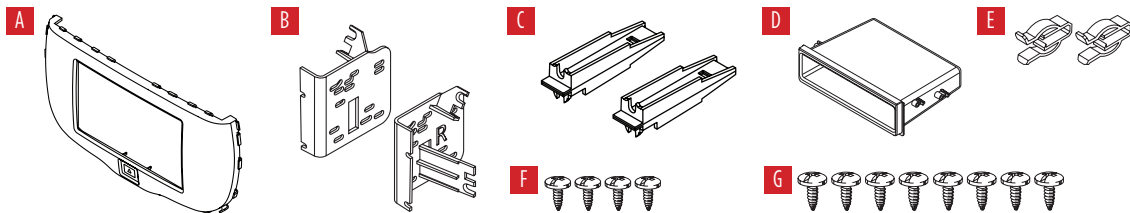
Visit [MetraOnline.com](http://MetraOnline.com) for more detailed information about the product and up-to-date vehicle specific applications

### KIT FEATURES

- ISO DIN radio provision with pocket
- ISO DDIN radio provision
- Painted scratch resistant matte black
- Retains factory steering wheel controls (pre-wired in included harnessing)
- Radio harness included with connections to retain factory camera

### KIT COMPONENTS

- A) Radio trim panel • B) Radio brackets • C) Panel clip legs • D) Pocket • E) Panel clips (2) • F) #6 x 3/8" Phillips screws (4)
- G) #8 x 3/8" Phillips screws (8) • H) Steering wheel control interface (not shown) • I) 6 volt factory camera adapter (not shown)
- J) Radio wire harness (not shown) • K) Antenna adapter (not shown)



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### WIRING & ANTENNA CONNECTIONS (sold separately)

- Wiring Harness: Included in kit
- Antenna Adapter: Included in kit
- SWC Interface: Included in kit
- 6v Camera Adapter: Included in kit

### TOOLS REQUIRED

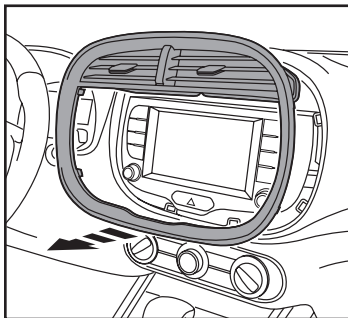
- Panel removal tool • Phillips screwdriver
- Socket wrench • T-25 Torx driver • Cutting tool

**Attention!** Let the vehicle sit with the key out of the ignition for a few minutes before removing the factory radio. When testing the aftermarket equipment, ensure that all factory equipment is connected before cycling the key to ignition.

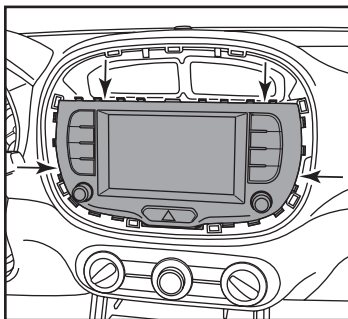
## DASH DISASSEMBLY

1. Unclip and remove the trim panel around the factory radio including the a/c vents. (Figure A)
2. Remove (4) Phillips screws securing the factory radio then unclip and remove the radio. (Figure B)

*Continue to Kit Preparation*



(Figure A)

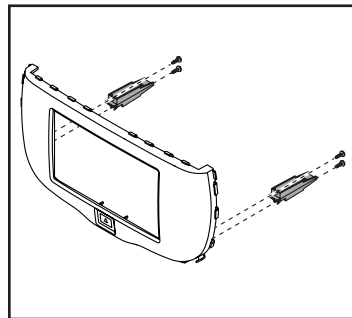


(Figure B)

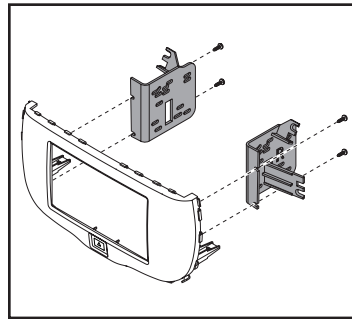
## KIT PREPARATION

1. Attach the (2) included **clip legs** onto the **radio trim panel** using (4) #6 x 3/8" Phillips screws supplied. **Note:** The clip legs will only go on one way. (Figure A)
2. Attach the **radio brackets** to the **radio trim panel** using (4) #(8) x 3/8" Phillips screws supplied. (Figure B)
2. Attach the **panel clips** to the **clip legs**.

*Continue to Kit Preparation*



(Figure A)

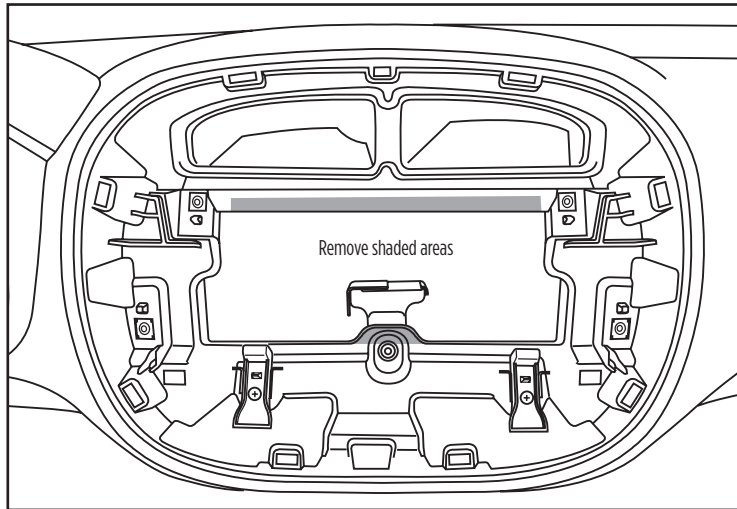


(Figure B)

## KIT PREPARATION

1. Cut the shaded area in the sub-dash to allow room for the aftermarket radio. The metal rear support can be bent out of the way but some plastic at the bottom must be removed for most radios. (Figure A)

*Continue to Kit Assembly*



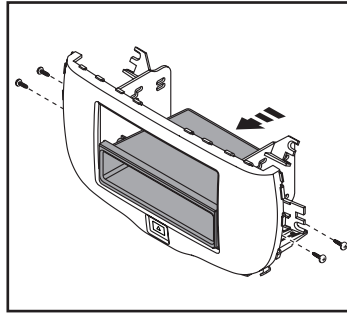
(Figure A)

## KIT ASSEMBLY

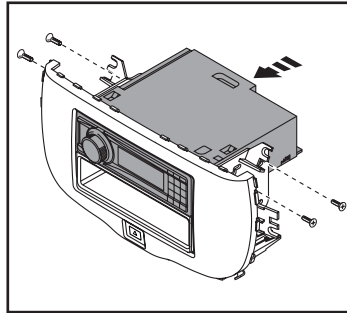
### ISO DIN radio provision with pocket

1. Attach the **pocket** to the bracket assembly using the (4) supplied #8 x 3/8" Phillips screws. (Figure A)
2. Slide the radio into the completed assembly, and then secure it to the assembly using screws supplied with the radio. (Figure B)

*Continue to AXXESS Interface Installation*



(Figure A)

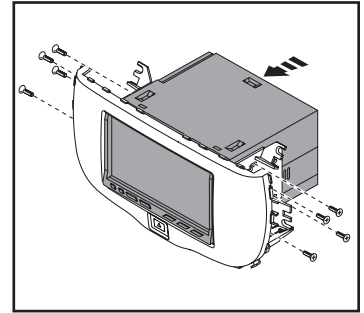


(Figure B)

### ISO DDIN radio provision

1. Slide the radio into the completed assembly, and then secure it to the assembly using screws supplied with the radio. (Figure A)

*Continue to AXXESS Interface Installation*



(Figure A)

# AXXESS INTERFACE INSTALLATION

## INTERFACE FEATURES

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- Retains hazard button function
- Retains audio controls on the steering wheel
- Includes 12V-to-6V step-down adapter to retain the factory back up camera

## INTERFACE COMPONENTS

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- Main Wiring harness (70-7306)
- AXXESS steering wheel control interface (SWC)
- 3.5mm connector with stripped leads
- Camera step down adapter (CAM6V)
- Antenna adapter (AD-K111)
- Hazard button harness (SOULHAZ)

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## TOOLS REQUIRED

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

## CONNECTIONS

### From the main wiring harness included with the kit to the aftermarket radio:

- Connect the (2) **Black** wires, the **Black** wire labeled “CAMERA GROUND”, and also the **Black** wire from the AX-CAM6V, to the ground wire.
- Connect the (2) **Yellow** wires to the battery wire.
- Connect the **Red** wire to the accessory wire.
- Connect the **Red** wire labeled “CAMERA POWER 6V” to the **Blue/Red** wire from the AX-CAM6V.
- Connect the **Blue** wire to the power antenna wire.
- If the aftermarket radio has an illumination wire, connect the **Orange** wire to it.
- Connect the **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right front negative speaker output.
- Connect the **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- Connect the **Green** wire to the left rear positive speaker output.
- Connect the **Green/Black** wire to the left rear negative speaker output.
- Connect the **Purple** wire to the right rear positive speaker output.
- Connect the **Purple/Black** wire to the right rear negative output.
- Connect the **Blue/White** wire from the AX-CAM6V to a wire that has power while the vehicle is in reverse. This wire will have to be located in the vehicle.

*The following (1) wire is only for a multimedia/navigation radio that requires this wire.*

- Connect the **Blue/Pink** wire to the VSS/speed sense wire.
- Connect the **Yellow** RCA jack to the backup camera input.
- Disregard the **Red** and **White** RCA jacks on this harness

*Continued on the next page*

### 3.5mm jack steering wheel control retention:

- **For the radios listed below:** Connect the included **female 3.5mm connector with stripped leads**, to the male 3.5mm SWC jack from the wiring harness included with the kit. 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 steering wheel control Key 1 wire (**Gray**) 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 your **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 from the wiring harness included with the kit into the jack from the aftermarket radio designated for an external steering wheel control interface. Please refer to the aftermarket radios manual if in doubt as to where the 3.5mm jack connects to.

*Continue to Installation*

## INSTALLATION

### **With the key in the off position:**

1. Connect the wiring harness included with the vehicle.
2. 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.
3. Connect the 12-pin plug from the main wire harness (70-7306) to the AXCESS Steering wheel control interface.

**Attention!** If retaining steering wheel controls, ensure that the SWC jack/wire is connected to the radio before proceeding. If this step is skipped, the ASWC-1 will need to be reset for the steering wheel controls to function.

*Continue to Programming*



## PROGRAMMING THE AXXESS SWC INTERFACE

### Programming:

1. Press and hold the “Volume-Up” button on the steering wheel, then turn the ignition on. The L.E.D. will start flashing rapidly which means the AXXESS SWC interface is looking for the vehicle and the radio.  
**Note:** If the L.E.D. did not start flashing rapidly, press the reset button for 3 seconds.
2. After a few seconds the L.E.D. should stop flashing rapidly, then go out for approximately 2 seconds.
3. After approximately 2 seconds there will be a series of 7 **Green** flashes, some short, and some long. The long flashes represent the wires that are connected to the SWC interface.  
**Tip:** Knowing this will help to troubleshoot, if need be.

4. The L.E.D. will pause for another 2 seconds, then flash **Red** up to 18 times depending on which radio is connected to the ASWC-1. Refer to the L.E.D. feedback section for information.
5. This is the end of the auto detection stage. If the SWC interface detected the vehicle and the radio successfully, the L.E.D. will light up solid. Release from holding the Volume-Up button.
6. Test the steering wheel controls for proper operation. Refer to [AXXWEEINTERFACES.COM](http://AXXWEEINTERFACES.COM) “Steering wheel control settings” for customizing the buttons, if so desired.

*Continue to Steering Wheel Control Settings*

# ASWC-1 STEERING WHEEL CONTROL SETTINGS

## L.E.D. Feedback

The (18) **Red** L.E.D. flashes represent what brand radio the SWC interface believes it is connected to. Each flash represents a different radio Manufacturer. For example, if you are installing a JVC radio, the ASWC-1 will flash **Red** (5) times, and then stop. Following is a legend that dictates which radio Manufacturer corresponds to which flash.

### L.E.D. 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

**\*Note:** If the ASWC-1 flashes **Red** (7) times, and you do not have an Alpine radio connected to it, that means the ASWC-1 does not detect a radio connected to it. 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 have rev. 2.1.4 or higher software.

**† 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. The following section explains how to do this.

**‡ Note:** If you have a Kenwood radio and the L.E.D. feedback comes back showing as a JVC radio, change the radio type to Kenwood. The following section explains how to do this.

*Continue to Troubleshooting*

## TROUBLESHOOTING

**For troubleshooting and customization of the steering wheel controls, visit [AXXESSINTERFACES.COM](https://www.axxessinterfaces.com). The Axxess Updater App can also be used.**

- Changing radio type
- Remapping the steering wheel control buttons
- Dual assignment instructions (long button press)

*Continue to Final Assembly*

## FINAL ASSEMBLY

1. Secure the radio assembly to the dash using the factory screws.
2. Reassemble the dash in reverse order of disassembly to complete the installation.



**99-7397B**  
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](mailto:techsupport@metra-autosound.com)

**Tech Support Hours (Eastern Standard Time)**

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