Land Rover **LR4** 2010-2011

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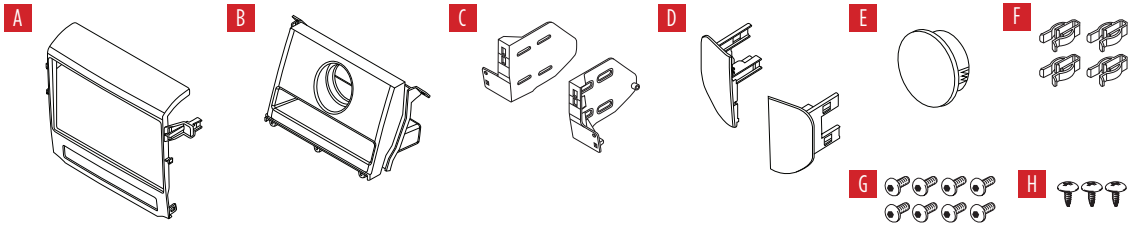
KIT FEATURES

- ISO DDIN radio provision
- Includes all necessary data interfaces, wiring harnesses, and antenna adapter, for a complete installation
- Includes provisions for the factory clock
- Painted black to match the factory dash

KIT COMPONENTS

• A) Radio trim panel (bottom) • B) Radio trim panel (top) • C) Radio brackets • D) Trim wings • E) Clock blank-out panel • F) Panel clips (4) • G) Radio screws (8) • H) Pan-head screws (3) • I) ASWC-1 interface and wiring harness (not shown) • J) Axxess interface and wiring harness (not shown) • K) Amplifier interface (not shown) • L) Antenna adapter (not shown)



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WIRING & ANTENNA CONNECTIONS

Wiring Harness: Included with kit
Antenna Adapter: Included with kit
Steering Wheel Control Interface: Included with kit

TOOLS REQUIRED

• Cutting tool • Panel removal tool
• Phillips screwdriver • 3mm Allen screwdriver

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.***

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REV. 2/25/21 INST95-9405B

DASH DISASSEMBLY

1. Engage the parking brake. Place the gear selector in neutral, then pull the knob from the gear selector.

   Note: Some force may be required to complete this step.

2. Unclip and remove the cup holder, then remove (2) screws exposed. (Figure A)

3. Pull up and back to unclip and loosen the top trim from the center console. The trim needs to be moved just a few inches away from the bottom of the dashboard area to allow radio removal. (Figure B)

(Figure A)

(Figure B)

4. Unclip and remove the small trim panel below the display screen. Remove (2) screws exposed. (Figure C)

5. Unclip and remove the silver trim surrounding the clock and radio controls. (Figure D)

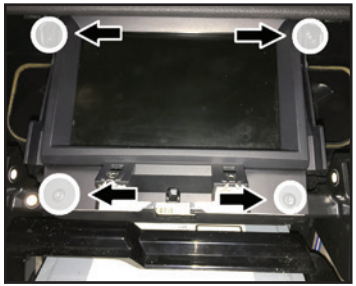
Continued on the next page

(Figure C)

(Figure D)

6. Pull up and back to unclip the panel to the left side of the radio. Unplug the Start/Stop button. Likewise for the right side panel, less the Start/Stop button. (Figure E)
7. Unclip and remove the clock and radio control panel. Remove and retain the (4) clips attached to the panel to be re-used in **Kit Preparation**.
8. Remove (4) screws securing the display screen, then unclip, unplug, and remove the screen. (Figure F)

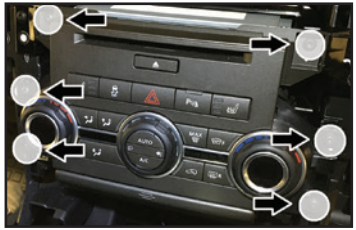
(Figure E)



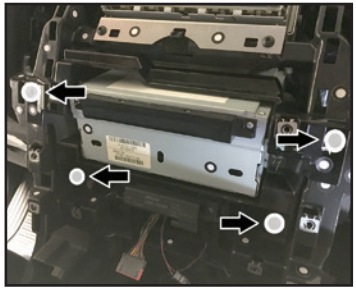
(Figure F)

9. Remove (6) screws securing the climate-control/hazard-switch/disc-player assembly, then unclip, unplug, and remove the entire assembly. (Figure G)
10. Remove (4) screws securing the radio to the dash. Slide the radio out, then unplug and remove the radio. (Figure H)

Continue to Kit Preparation



(Figure G)



(Figure H)

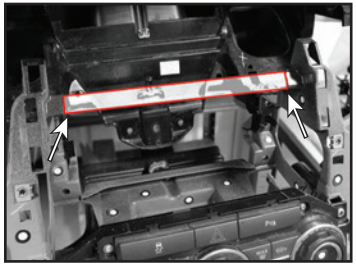
Climate Control Modification

1. Remove the climate control and hazard switch from to the climate-control/ hazard-switch/disc-player assembly.
2. Reconnect and reinstall the climate-control and hazard-switch assembly back to the vehicle.

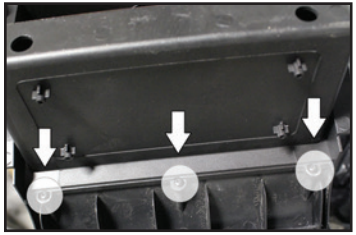
Sub-Dash Modification

Attention! The vehicle cannot be restored back to factory after performing the following step.

3. Cut the shaded area in the sub-dash to allow room for the aftermarket radio. (Figure A)



(Figure A)



(Figure B)

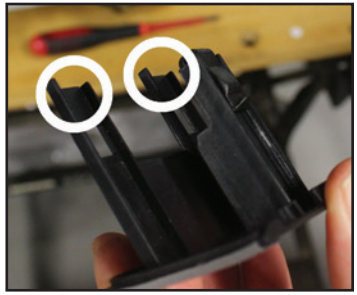
Housing Assembly

4. Attach the top and bottom **radio trim panels** together using the (3) pan-head screws provided. (Figure B)
5. Clip in either the factory clock, or **clock blank-out panel** to the assembly.
6. Attach (2) of the panel clips provided to the completed radio trim panel assembly.

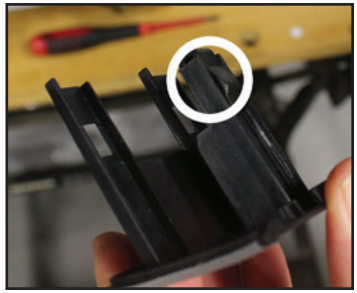
Trim Wing Preparation

7. Attach the (4) factory metal panel clips removed in step 7 from **Dash Disassembly** to the **trim wings**. (Figure C)
8. Attach (2) of the panel clips provided to the **trim wings**. (Figure D)

Continue to Kit Assembly



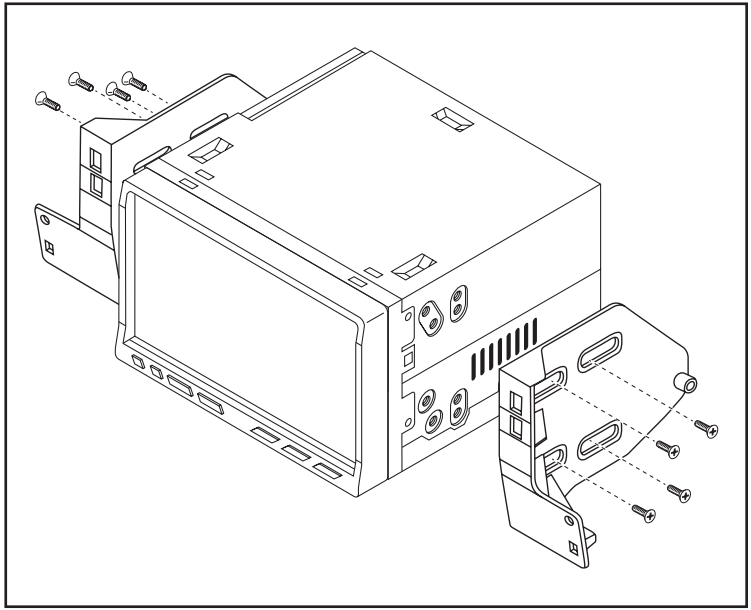
(Figure C)



(Figure D)

1. Secure the **radio brackets** to the radio using either the screws supplied with the radio, or the **radio screws** provided. (Figure A)

   Continue to Axxess Interface Installation



(Figure A)

INTERFACE FEATURES

- Provides NAV outputs (parking brake, reverse, speed sense)
- Retains audio/phone† controls on the steering wheel
- Retains balance
- Micro-B USB updatable

† Radio dependent

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INTERFACE COMPONENTS

- 9405 interface
- 9405 harness
- 9405 amplifier interface
- ASWC-1 interface
- ASWC-1 harness
- Female 3.5mm connector with stripped leads

TOOLS REQUIRED

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

From the 9405 harness to the aftermarket radio:

- Connect the **Black** wire to the ground wire.
- Connect the **Yellow** wire to the battery wire.
- Connect the **Red** wire to the accessory wire.

  Note: There will an accessory wire from the **ASWC-1 harness** to connect as well.
- Connect the **Blue** wire to the power antenna wire.
- If the aftermarket radio has an illumination wire, connect the **Orange** wire to it.

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

- Connect the **Blue/Pink** wire to the speed sense wire.
- Connect the **Green/Purple** wire to the reverse wire.
- Connect the **Light Green** wire to the parking brake wire.
- Connect the **Red** and **White** RCA jacks to the full range amplifier output jacks.

From the ASWC-1 harness to the aftermarket radio:

This harness is to be used if the vehicle is equipped with steering wheel controls.

- Connect the **Red** wire to the accessory wire.
- **For the radios listed below:** Connect the **female 3.5mm connector with stripped leads**, to the male 3.5mm SWC jack from the **ASWC-1 harness**. Any remaining wires tape off and disregard:
  - **Eclipse:** Connect the steering wheel control wire, normally **Brown**, to the **Brown/White** wire from the connector. Then connect the remaining steering wheel control wire, normally **Brown/White**, to the **Brown** wire from 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 the Kenwood radio auto detects as a **JVC**, manually set the radio type to **Kenwood**. Refer to the **Changing Radio Type** document available at axxessinterfaces.com/product/ASWC-1.
  - **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). Then connect the 4-pin connector from the **AX-SWC-PARROT** to the radio.

    Note: The radio must have 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 from the connector. Then connect the remaining steering wheel control wire, referred to as Key-B or SWC-2, to the **Brown/White** wire from 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 **ASWC-1 harness** 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 should connect to.

INSTALLATION

With the key in the off position:

1. Connect the **9405 harness** to the **9405 interface**.
2. Connect the **9405 harness** to the **9405 amplifier interface**.
3. Remove the dust cover from fiber optic port in the **9405 amplifier interface**.
4. Connect the factory fiber optic cable into the **9405 amplifier interface**.
5. Connect the **9405 harness** to the wiring harness in the vehicle.
6. Connect the **ASWC-1 harness** to the **ASWC-1 interface**, and then to the **9405 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 connector to the aftermarket radio.

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 interface will need to be reset for the steering wheel controls to function.

PROGRAMMING

1. Press and hold the **Volume Up** button on the steering wheel.
2. Turn the ignition on, the L.E.D. in the **ASWC-1 interface** will start flashing rapidly, which means the **ASWC-1 interface** is looking for the vehicle and the radio.
3. After a few seconds the L.E.D. should stop flashing rapidly, then go out for approximately 2 seconds.
4. After 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 from the vehicle to the **ASWC-1 interface**. The 3rd, 4th, 5th, and 6th flashes should be longer.
5. 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 interface**. Refer to the **L.E.D. Feedback** section for more information.
6. This is the end of the auto detection stage. If the **ASWC-1 interface** detected the vehicle and radio successfully, the L.E.D. will light up solid. If not, refer to the troubleshooting documents available at axxessinterfaces.com/product/ASWC-1.
7. Test all functions of the installation for proper operation before reassembling the dash. Refer to the **ASWC-1 Steering Wheel Control** documents available at axxessinterfaces.com/product/ASWC-1 for customizing the buttons, if so desired.

   Note: Only the Land Rover logo will be displayed on the factory display screen.

Continued on the next page

PROGRAMMING *(CONT)*

L.E.D. Feedback

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

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

Flash Count	Radio
10	Clarion (type 2) †
11	Metra OE
12	Eclipse (type 2) †
13	LG
14	Parrot **
15	XITE
16	Philips
17	TBA
18	JBL

* If the **ASWC-1 interface** flashes **Red** (7) times, and an **Alpine** radio is not installed, that means an open connection. Verify that the 3.5mm jack is connected to the correct steering wheel jack/wire in the radio.

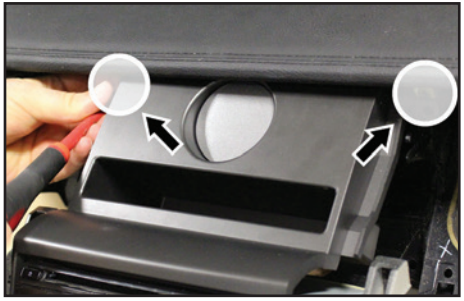
** The **AX-SWC-PARROT** is required (sold separately). Also, the software in the radio must be rev. 2.1.4 or higher.

† If a **Clarion** radio is installed and the steering wheel controls do not function, change the radio type to the opposite **Clarion** radio type; likewise for **Eclipse**. Refer to the **Changing Radio Type** document available at axxessinterfaces.com/product/ASWC-1.

‡ If a **Kenwood** radio is installed and the L.E.D. feedback comes back showing as a **JVC** radio, change the radio type to **Kenwood**. Refer to the **Changing Radio Type** document available at axxessinterfaces.com/product/ASWC-1.

FINAL ASSEMBLY

1. Secure the radio assembly to the dash using (2) of the factory screws removed in step 10 from **Dash Disassembly**.
2. Clip the **radio trim panel** to the dash, then secure it using (2) of the factory screws removed in step 8 from **Dash Disassembly**. (Figure A)
3. Clip the left and right radio panels back to the dash. Ensure to reconnect the Start/Stop button.
4. Clip in the **trim wings** to the left and right sides of the radio.
5. Clip in the top trim back to the center console, then secure the panel using the (2) factory screws.
6. Clip the cup holder back into the center console.
7. Push the knob back onto the gear selector to complete the installation.



(Figure A)

If you are having difficulties with the installation of this product, contact our Tech Support line either by phone at **1-800-253-TECH**, or email at **techsupport@metra-autosound.com**. Before doing so, look over the instruction booklet a second time and ensure that the installation was performed exactly as the instruction booklet is stated. Have the vehicle apart and ready to perform troubleshooting steps before contacting Metra/Axxess Tech Support.

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.com or call 800-354-6782 for more information and take steps toward a better tomorrow.

Metra recommends MECP certified technicians

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