SR-F15009H

Stinger HEIGH10® Radio Replacement Kit
for 2009-2014 Ford F-150 Trucks

Introduction and Features

The SR-F15009H is a complete radio replacement kit for the installation of the Stinger HEIGH10® modular radio in Ford F-150 trucks equipped with either correct radio types this works with. All modules, cables and adapters are included to retain important features of the factory system, including: steering wheel-mounted radio controls, factory amplifier, AM/FM reception. Plug & Play wiring harnesses allow for quick and easy installation without the need to cut or splice any wiring. The display mounting panel allows mounting the 10 inch display without modifying/cutting any part of the vehicle's sub-dash.

Important Notes

We recommend reading this manual thoroughly to familiarize yourself with the entire process prior to beginning the installation.

1. Adjustment of the vehicle settings through the original radio's vehicle settings menu will be disabled after installation of the new radio. It is advised to make sure all settings are as you desire prior to removal of the original radio.
2. The RP4-FD11 does not retain Rear Seat Entertainment, or Ford Sync.
3. To retain SiriusXM Radio, a SXV300 Tuner is required and sold separately.
4. After installation, if you do not initially hear any audio, you may need to cycle the ignition again to initialize the factory amplifier.
5. Factory amplified Systems will not fade as neither the aftermarket radio or the RP interface have the ability to control the amplifier's fader.
6. The radio select rotary switch on the side of the interface must be adjusted to the proper radio setting before plugging the interface into the vehicle.
7. The interface comes pre-programmed for all of the vehicles factory SWC functions and does not require programming unless you wish to re-assign the SWC functions or utilize short press long press dual command functionality. The SWC can always be restored to default settings by pressing and releasing the program button on the side of the interface once and waiting 7 seconds for the LED to flash 4 times.
8. The LED will flash whenever a SWC button is pressed.

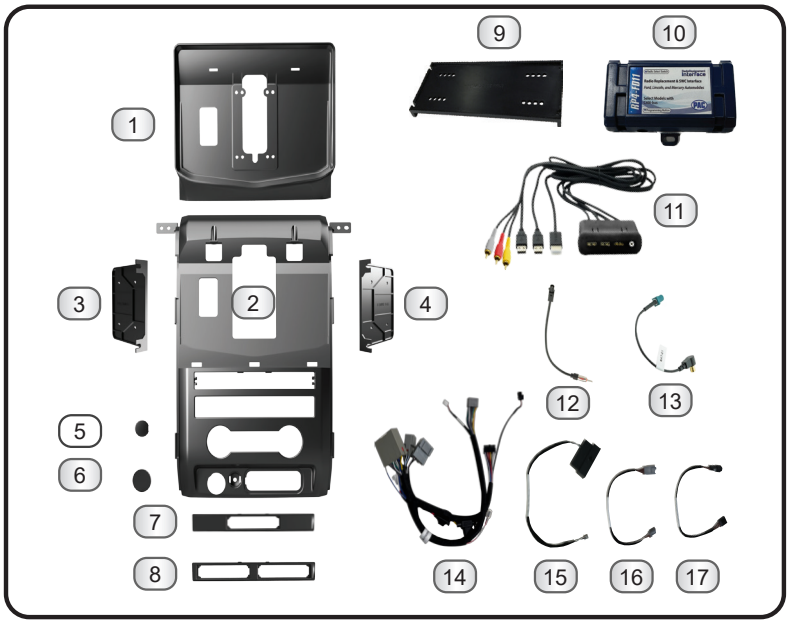
Recommended Tools

7mm Socket
8mm Socket
Ratchet
Phillips Screwdriver
T-20 Torx
Small Flat Screwdiver
Flush Cutters
Plastic Pry Tool
Pick Tool

Included Components

1. ***HEIGH10 Display Mounting Panel***
2. ***Main Frame***
3. ***Side Bracket Left***
4. ***Side Bracket Right***
5. ***Main Frame Bolt Cover***
6. ***Cig Light Cover***
7. ***Switch Insert 1***
8. ***Switch Insert 2***
9. ***Module Bracket***
10. ***Radio Interface (RP4-FD11)***
11. ***Media HUB (USBHUB-CH1B-RCA-48)***
12. ***AM/FM Antenna Adapter***
13. ***Satellite Radio Antenna Adapter (SAT-01)***
14. ***Main Harness 2019-2021 (SR-F15009H-HAR V1)***
15. ***Sync Harness (SR-F15009H-HAR V1 (SYNC SWC)***
16. ***SR-F15009H-HAR (6P EXT 1)***
17. ***SR-F15009H-HAR (6P EXT 2)***

NOTE: Along with the SR-F15009H components, additional hardware and wire harnesses from the HEIGH10 (UN1810) kit will also be used in the installation. Refer to the UN1810 Installation Guide for harness and hardware descriptions



Included, zip ties and M4 x 12 Zinc Screws (6x) not shown.

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SR-F15009H

Stinger HEIGH10® Radio Replacement Kit
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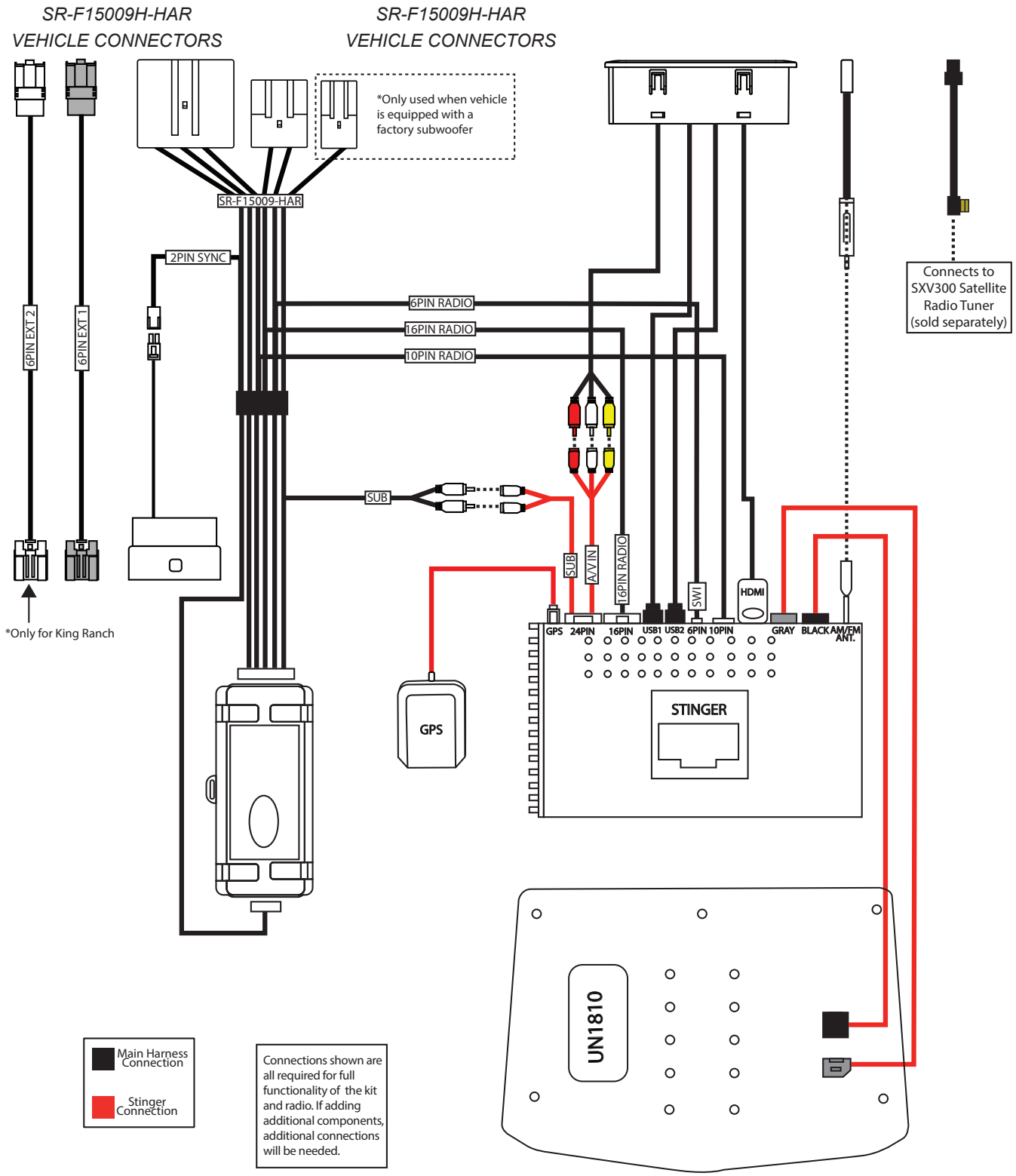
Wiring Overview



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This installation manual will cover the necessary order of procedures to complete the installation efficiently and to avoid redoing any steps. The order will be as follows; Disassembly, In-Vehicle Harness Connections, Display Mounting Panel Preparation, Radio Module Preparation, Interface and Main Harness Connections, In-Vehicle Connections, and Radio Unit Installation. The installation steps shown are all required for the full functionality of the radio. If adding additional components; cameras, amplifiers, satellite radio, etc., additional steps and harnesses will be needed.

Section 1: Disassembly

Before removing the factory radio make sure all vehicle settings are set to the desired settings.

Step 1

Remove the (2) 7mm bolts holding the instrument cluster bezel.

Step 2

With a plastic pry tool, slide the pry tool into the right side of the bezel working towards the left to release the clips.

Step 3

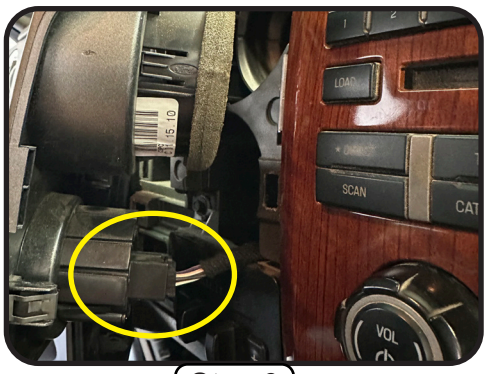
Pull forward on the left side of the instrument cluster bezel, releasing the clips holding it in place.

Step 4

Put the vehicle in neutral making sure the parking brake is set. Pull forward on the right side of the bezel, releasing the clips holding it in place, and remove the bezel.

Step 5

Pull forward on the left side bezel, releasing the clips.



Step 6

Once the bezel is loose disconnect the 4-wheel drive switch.
NOTE: The 4 wheel drive switch will not be present in 2-wheel drive vehicles.

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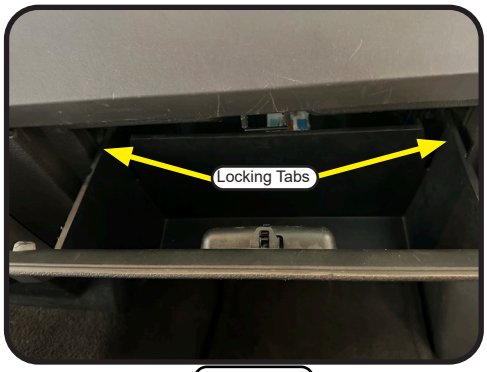
Section 1: Disassembly cont,

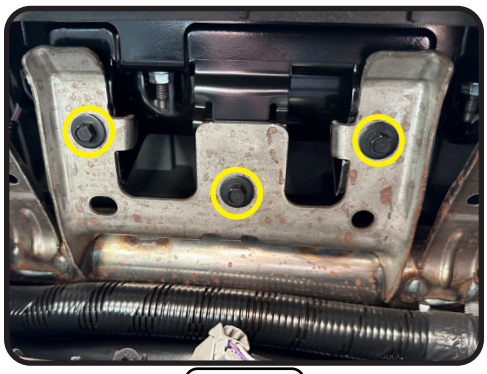


Step 7

Open the glove box. Press in on the back left and right of the glove box to release the locking tabs.

Step 8

Once the locking tabs are pressed in on the glove box, drop down the glove box.



Step 9

Locate the (3) 8mm screws securing the passenger side airbag inside the glove box cavity facing upward, and then remove them.

Step 10

With a plastic pry tool, slide the tool into the bottom right side lip of the air bag, working from right to left release the rubber clips holding the air bag.

Step 11

With the airbag released, slide the airbag to the right to expose the 7mm screw. Remove the 7mm screw.
NOTE: Do not disconnect the airbag

Step 12

With your hand, pull forward on the bottom of the plastic bezel, releasing the plastic clips.

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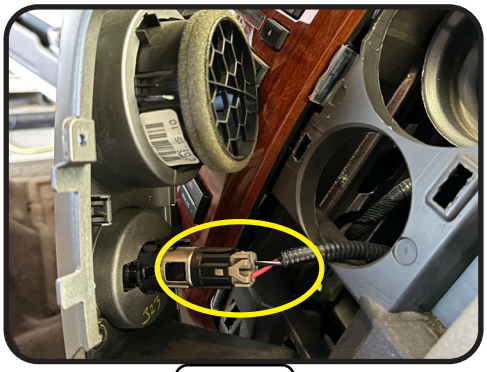
Section 1: Disassembly cont,

Step 13

Pull forward on the plastic bezel, releasing the clips holding the bezel in place.



Step 14

Disconnect the 12V power port connector.

Step 15

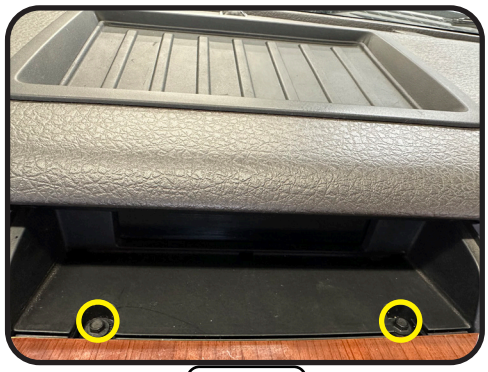
With a plastic pry tool, remove the Ford Sync USB panel.

Step 16

Remove the 7mm screw holding the radio bezel.

Step 17

With a plastic pry tool, remove the rubber pad located in front of the information display.



Step 18

Remove the (2) 7mm screws.

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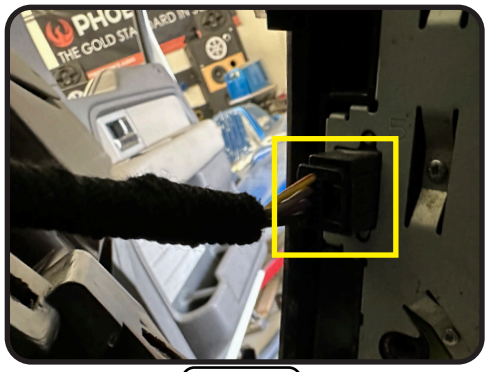
Section 1: Disassembly cont,

Step 19

With a plastic pry tool, release the clips on the left of the radio bezel.

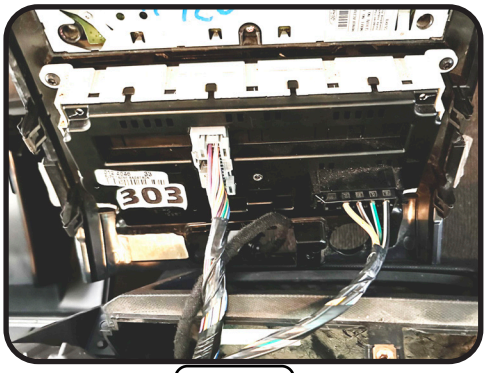
Step 20

With a plastic pry tool, release the clips on the right of the radio bezel. Remove the radio bezel.



Step 21

With the radio bezel removed disconnect the small back connector.

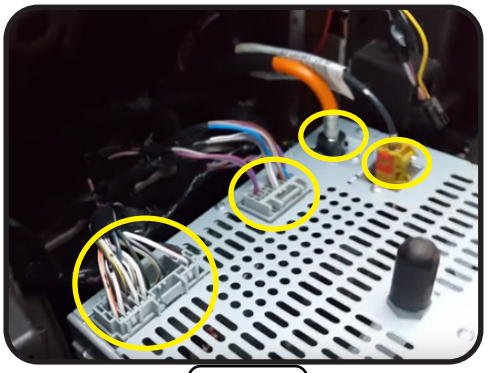


Step 22

Disconnect all connectors from the back of the radio bezel. Set the radio bezel aside, this will be needed later.

Step 23

Remove the (4) 7mm screws securing the radio.



Step 24

Disconnect all the connectors plugged into the radio, and then remove the radio.

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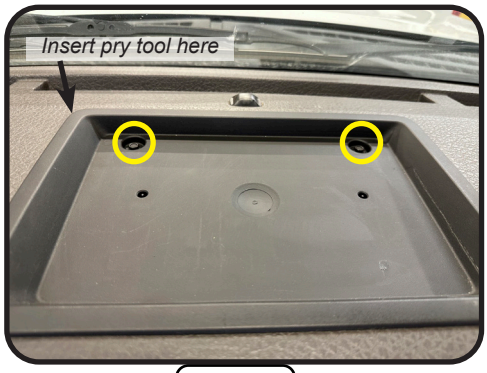
Section 1: Disassembly cont,

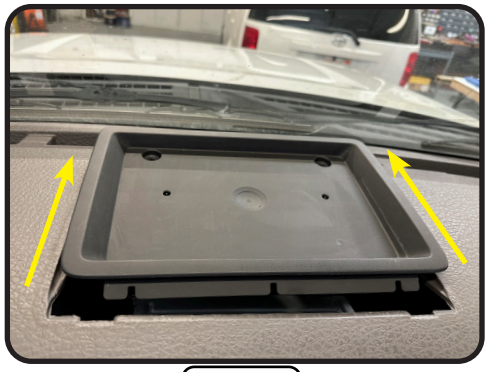
Step 25

With a plastic pry tool remove the rubber pad located on the top of the dash.



Step 26

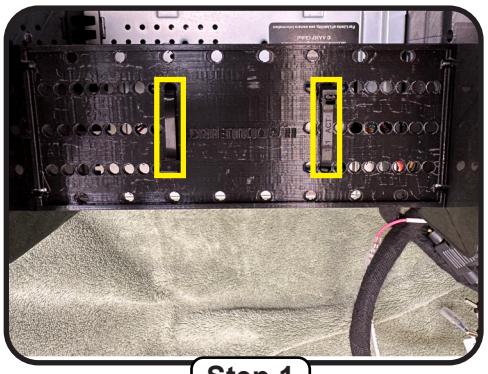
Remove the (2) 7mm screws. Slide a plastic pry tool into the back of the plastic panel. Pry upwards to release the clips.



Step 27

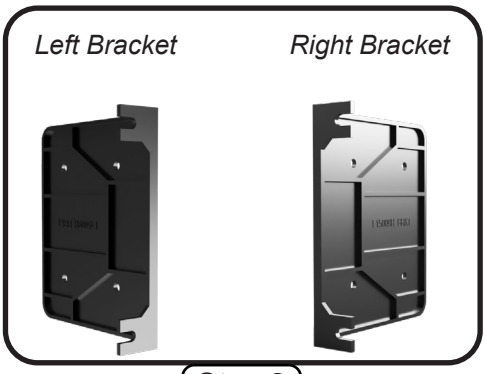
Once the panel is loose, slide the panel toward the front of the vehicle to remove the panel.

Section 2: Radio Module Preparation



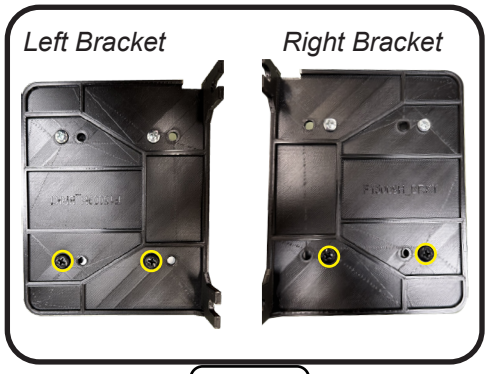
Step 1

Using the supplied zip ties from the SR-F15009H kit, mount the RP4-FD11 module to the Module bracket.



Step 2

Locate the left and right side brackets and (4) M5X10 screws included with the SR-F15009H kit.



Step 3

Align the radio module with the bottom holes of the brackets. Use (4) M5x10 screws to mount the module.

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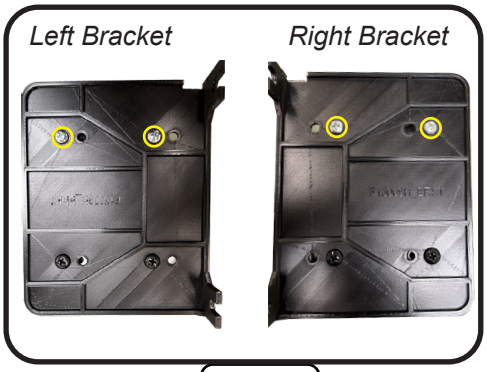
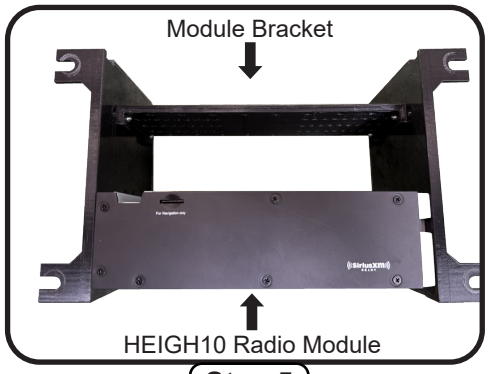
Section 2: Radio Module Preparation



Step 4

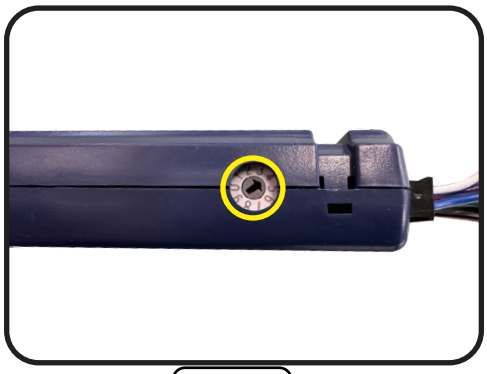
Align the module bracket with the top holes of the side brackets. Use the (4) 10x3/8 screws to mount the bracket.



Step 5

Note: The HEIGH10 Module should be flush with the front of both brackets.

Section 3: Interface Connections



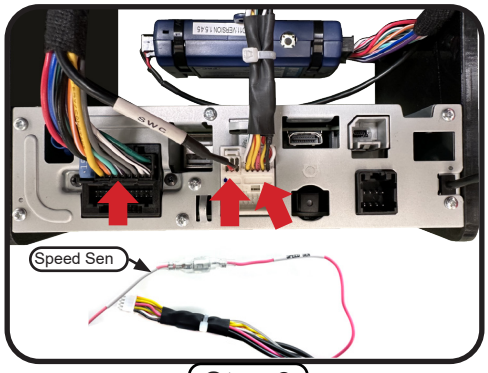
Step 1

Set the dial on the RP4-FD11 interface to number 4. Remove the warning sticker covering the 16-pin plug on the end of the interface.

Section 3: Interface and Main Harness Connections

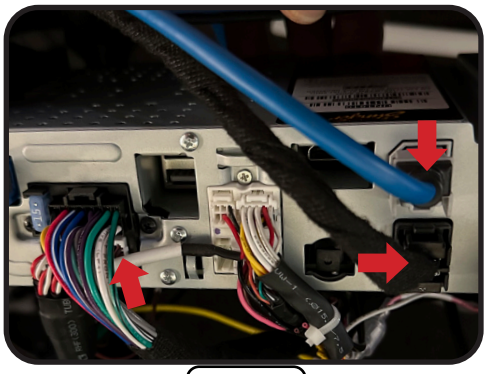
Step 2

Connect the 16-pin and 4-pin connectors on the SR-F15009H-HAR V1 Main Harness to the RP4-FD11 interface module.



Step 3

Connect the Speed Sen from the HEIGH10 kit 10-pin connector to the Speed Sen of the main harness from the SR kit. Connect the 16-pin and (SWC) 6-pin connectors on the SR-kit Main Harness to the radio module. Plug in the 10-pin harness to the radio module.



Step 4

From the HEIGH10 box, connect the blue LVDS, 8-pin display cables, and the 24-pin (Subwoofer/ AUX-IN) RCA cables to the radio module. Make sure the LVDS and 8-pin display cables are routed to the front of the radio module.

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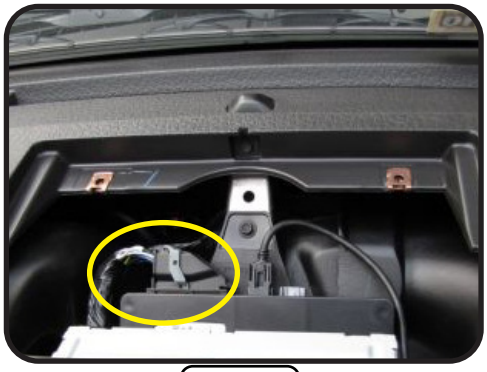
Section 4: In-Vehicle Harness Connections and Preparation

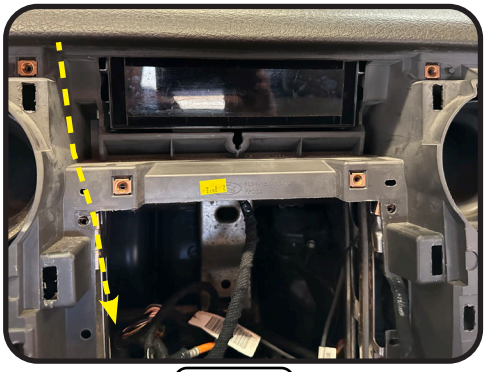


Step 1

Unclip then unplug the 54-pin harness from the Sync module.

Step 2

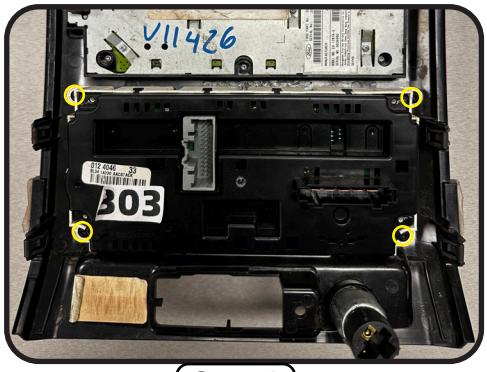
Connect the harness SR-F15009H-HAR V1 (SYNC SWC) to the 54-pin connector.



Step 3

Run the 2-pin connector from step 2 behind the display and out the radio opening.

Section 5: Disassembly of the Radio Bezel

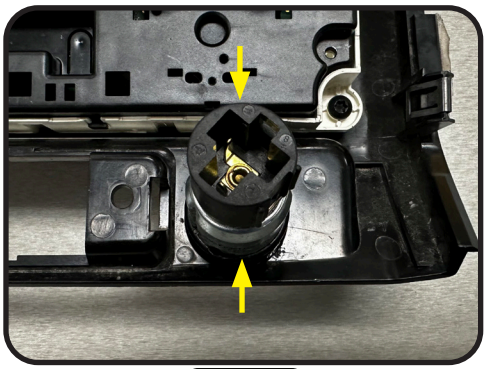


Step 1

Remove (4) Torx T-20 screws securing the climate control panel to the bezel, and then remove. These screws will be reused in Main Frame Assembly.

Step 2

The climate control panel will need to be transferred to the Main Frame of the SR-F15009H kit.



Step 3

Remove the power outlet by releasing the two retaining clips with a small pick tool and then pushing out the front side. Remove the plastic ring from the bezel.

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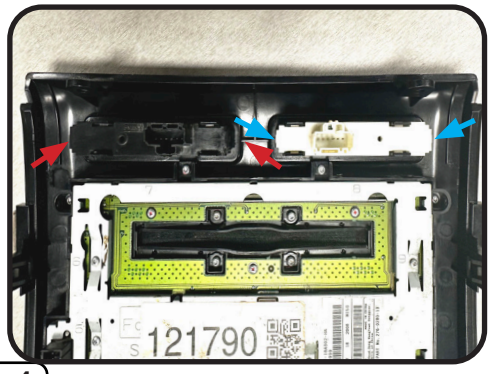
Section 5: Disassembly of the Radio Bezel cont;



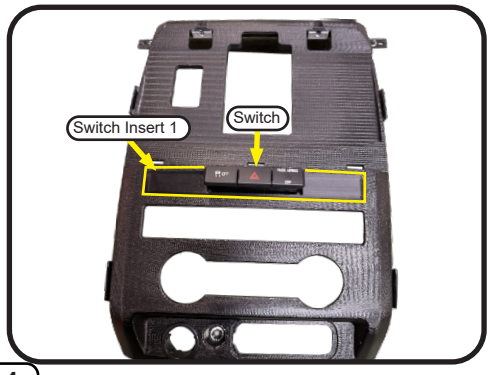
Step 4

Remove the switch panel by pushing on the back of the panel and pushing in the left and right tabs to release it.

Step 5

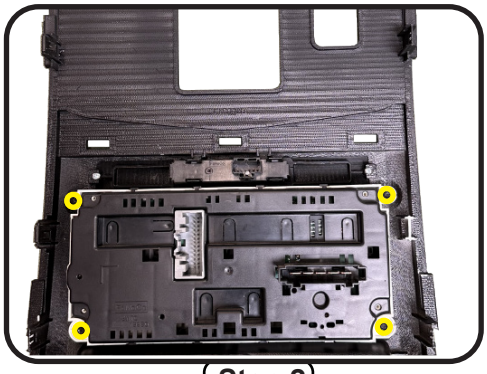
Remove the two switch panels by pushing on the back of the switch panel, and pushing in the left and right tabs to release.

Section 6: Main Frame Assembly



Step 1

Attach switch inserts 1 or 2 with the supplied M3x8 screws from the SR hardware kit. Insert the switch panel from the radio bezel into the switch insert.
NOTE: The image shows Switch Insert 1, follow the same instructions for Switch Insert 2.



Step 2

Secure the climate control panel to the Main Frame Assembly using (4) T-20 Torx screws removed in disassembly.

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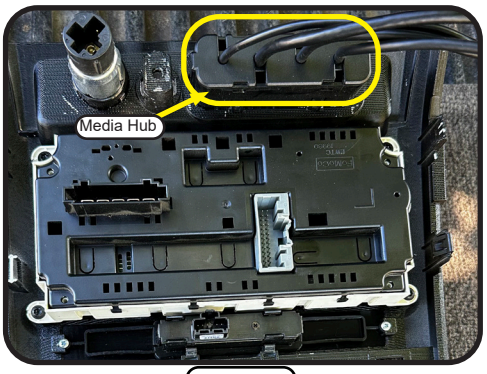
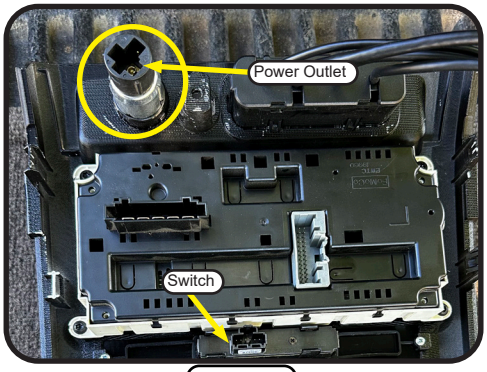
Section 6: Main Frame Assembly cont;



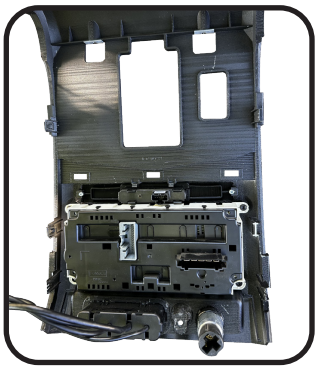
Step 3

Insert all the cables from the media hub through the bottom opening of the main frame. Push in until it locks in.



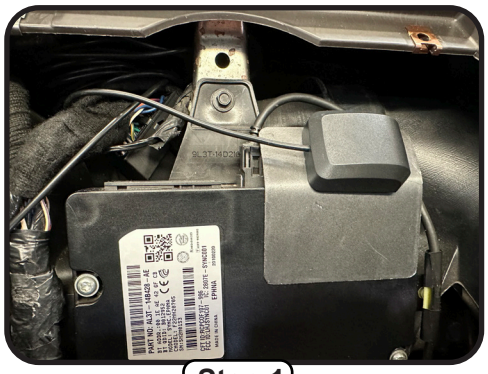
Step 4

Using the parts removed from disassembly, insert the plastic power port ring, then insert the power port into the main frame.



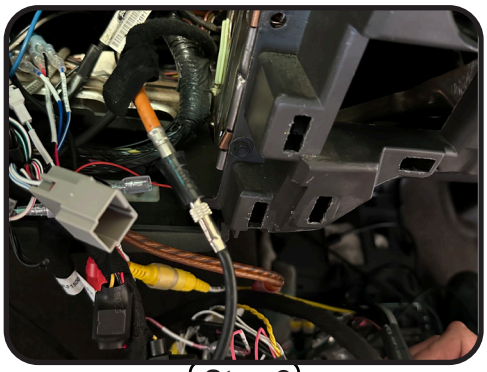
Assembled main frame.

Section 7: In-Vehicle Connections and Radio Unit Installation



Step 1

Attach the GPS antenna and mounting plate to the Sync module from the HEIGH10 kit. Bend the metal so the GPS faces up. Route the GPS cable out the front of the radio area.



Step 2

Connect the BAA20 antenna adapter to the vehicle's antenna connector.

Step 3

Bring the assembled main frame into the vehicle.

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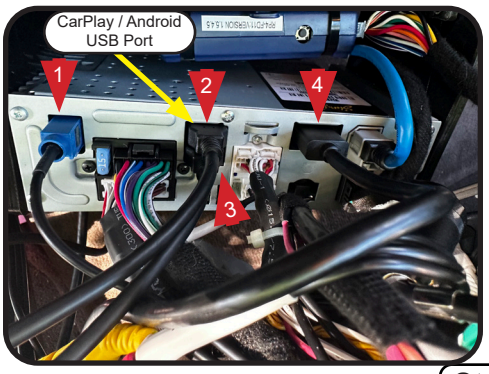
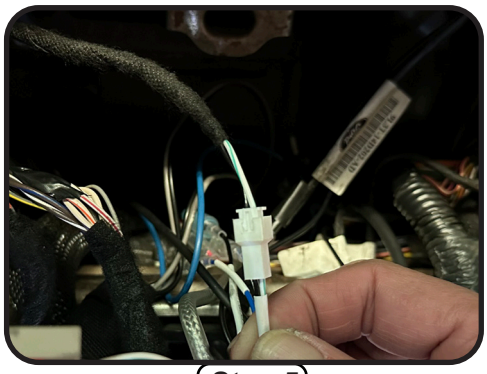
Section 7: In-Vehicle Connections and Radio Unit Installation cont;



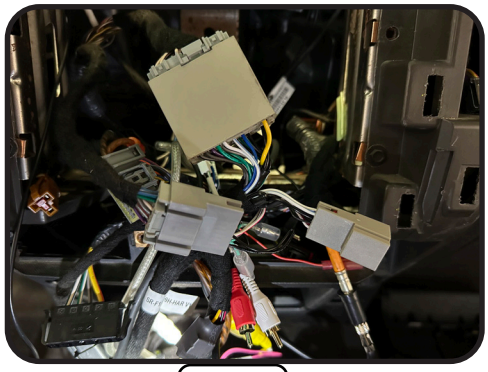
Step 4

Bring the assembled radio module into the vehicle.
Plug in the GPS (1), USB 1 (2), USB 2 (3), HDMI (4), and Red, White, and Yellow RCA's (5) from the media hub into the HEIGH10 radio module.
Note: The USB 1 cable closest to the driver must be plugged into the USB port closest to the edge of the radio chassis for Apple CarPlay and Android Auto.



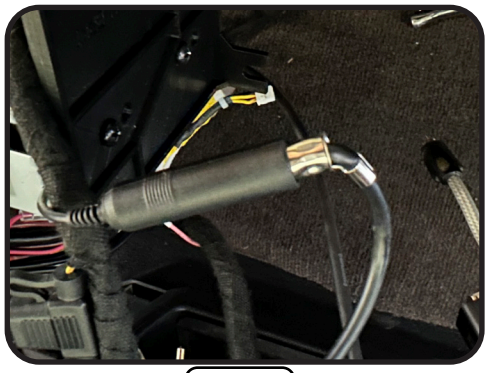
Step 5

Connect the two-wire connector from the SR-F15009H-HAR V1 (SYNC SWC) harness to the main harness of the SR-F15009H kit.



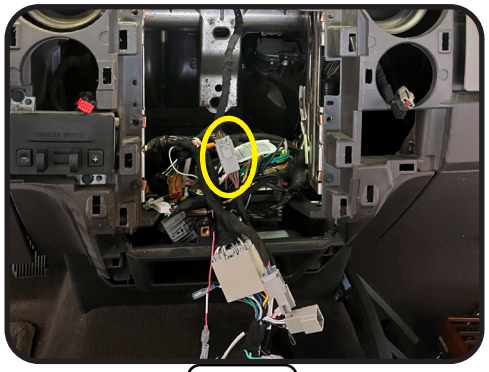
Step 6

Connect the two or three vehicle side connectors on the main harness to the vehicle's radio plugs.



Step 7

Connect the antenna male of the BAA20 to the female antenna of the radio module.



Step 8

Connect the 6-pin switch extension to the switch connection in the vehicle.
NOTE: For vehicles with 2 switches use both switch extensions.

These are the connections for the basic installation. If adding additional components such as SXM tuner or additional cameras, those connections should be made at this point, before mounting the radio module.

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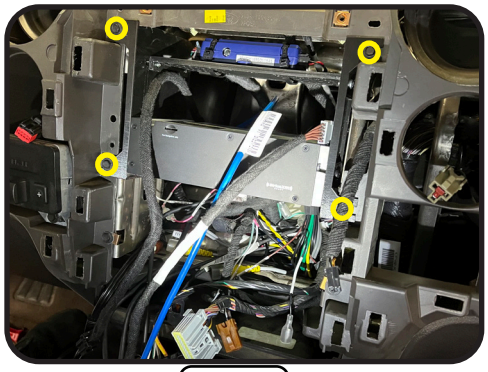
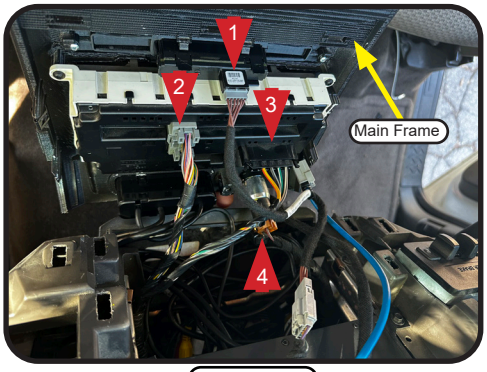
Section 7: In-Vehicle Connections and Radio Unit Installation cont;



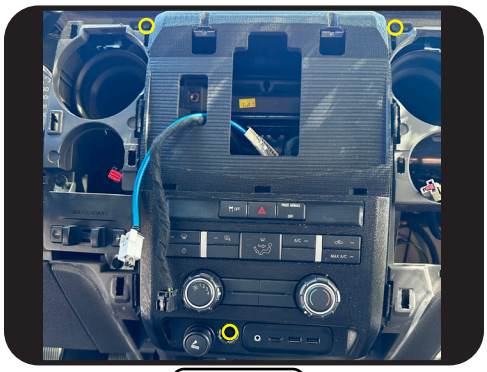
Step 9

With the two display cables routed over the top of the radio assembly, slide the assembly into position and re-install the (4) factory 7mm bolts.



Step 10

Connect the switch extension to the switch (1), grey (2), and black (3) plug for the climate control, and power port (4) on the main frame.



Step 11

Install the assembly on the vehicle's dash. Snap the panel in place and Secure with the (3) 7mm bolts.

Step 12

Re-install the left and right trim panels, and the 7mm bolt behind the airbag. Re-install the airbag, and the (3) 8mm bolts under the glovebox.

Step 13

Plug in the 8-pin LVDS display cables into the back of the display. Line up the bottom of the display with the 3 locator slots on the main frame. Once aligned press the assembly until it sits flat against the main frame. Secure with the (2) 8x1/2 Phillips screw from the SR-kit.

Step 14

Install the main bolt cover from the SR kit onto the main frame next to the power port.

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Testing and Verification

1. Test all features for functionality, including volume, fade, balance, steering wheel controls, reverse camera, Bluetooth, USB, AUX and HDMI ports, AM/FM reception, Apple CarPlay and Android Auto.

   NOTE: Only one of the two USB ports on the media hub will allow Apple CarPlay and Android Auto operation.

2. If the HEIGH10 external microphone was not installed, the default microphone setting of External must be changed to Internal by accessing the Phone Settings (Main Menu>Phone>Settings>Microphone).

Firmware Updates (Stinger HEIGH10)

To update the Stinger radio firmware, refer to the HEIGH10 product page at:
www.stingerelectronics.com/products/heigh10

Technical Support

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