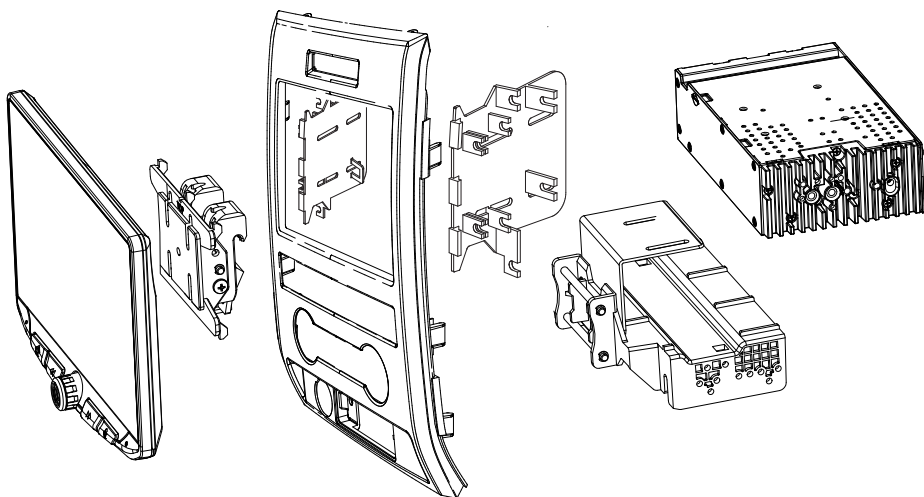


2009-2014 FORD F150 10-Inch Modular Multimedia System Installation Guide



NOTE! Read this installation guide thoroughly before disassembling the vehicle or making wire connections. Installation of this product requires technical skill, experience, and specialized tools. If you feel uncomfortable performing the steps outlined in this manual, please have this product professionally installed by an authorized Stinger or Phoenix Gold Dealer.

A video installation guide is available at:
<https://stingerelectronics.com/installvideos>



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PRECAUTIONS

Disconnect the vehicle's negative battery cable before making any wire connections.

Protect all vehicle surfaces with tape or plastic.

Do not install components in any location that will hinder vehicle operation, such as steering wheel, gearshift, air bags, hazard switch.

Bundle cables and harnesses with electrical tape or wire ties to prevent them from interfering with moving parts.

Never attempt to disassemble or modify the product. Otherwise, an accident, fire or electric shock may result.

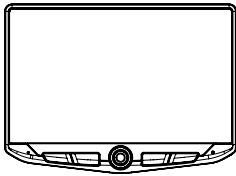
Exposed wires must be insulated with electrical tape. Otherwise, a short circuit, fire, or electric shock may result.

To prevent damage to the vehicle, confirm the locations of hoses, electrical wiring, and the fuel tank prior to drilling holes to install this product.

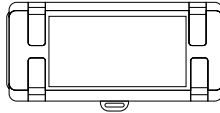
When it is necessary to replace the fuse, always use a fuse of the correct rating (number of amperes). Use of fuses with higher amperage ratings may cause a fire.

Kit Components

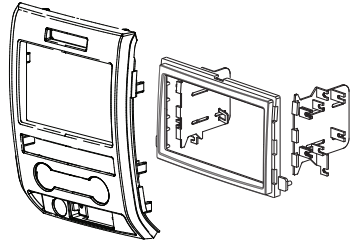
NOTE! This installation guide outlines basic installation. For any additional features, adding a rear camera or amplifier, please refer to the additional instructions included with each component.



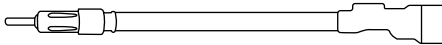
Stinger HEIGH10
(UN1810)
10" Multimedia System



RP4-FD11
Radio Replacement
Interface



FMK526
F150 Mounting Kit



CR6 Ford
Antenna Adapter



SSUSB2
Dual USB Extension

Recommended Tools

Plastic Trim Tool
7mm Socket
Socket Extension
Ratchet
Torx T20

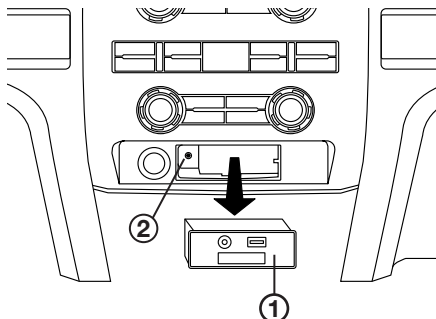
Phillips Screwdriver
Wire Crimpers
Battery Terminal Wrench
Wire Connectors
Zip Ties

NOTE! Before starting disassembly, remove Negative Battery Cable.
Protect vehicle surfaces with removable tape and/or towels.
Place removed vehicle parts in a safe place.

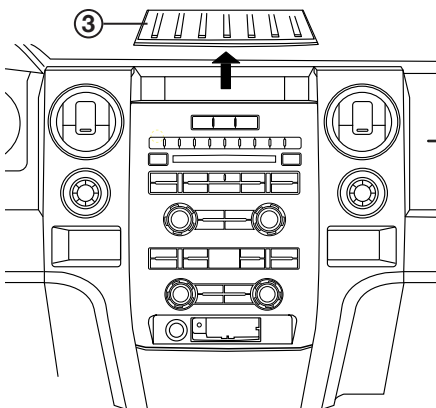
Vehicle Disassembly

1. Remove the AUX/USB panel below the climate controls using a small plastic trim tool starting at the bottom left of the panel. Unplug connectors.

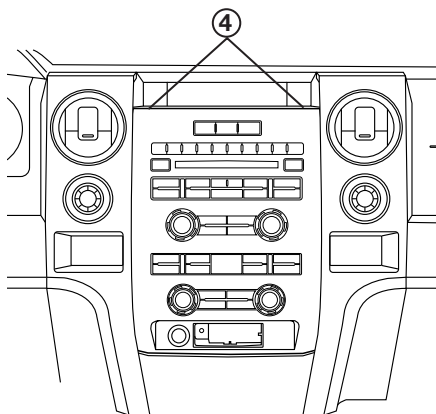
2. Remove the 7mm screw behind the auxiliary panel.



3. Starting at the front edge, remove the rubber liner from the storage tray above the radio.



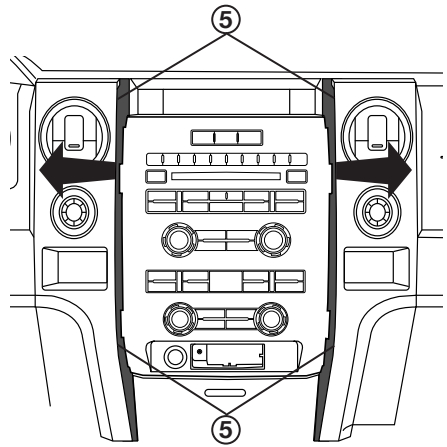
4. Remove the two 7mm screws under the liner.



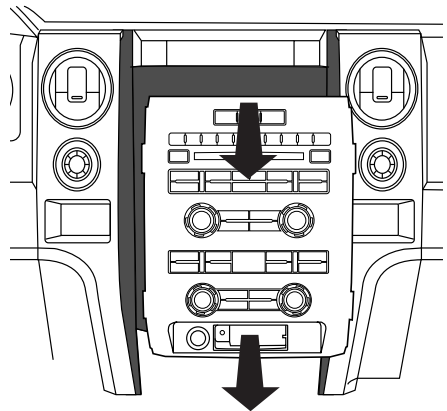
Vehicle Disassembly

5. Using a plastic trim tool, carefully lift the left and right vent trim panels slightly outward along the inside edges that contact the radio/climate control panel.

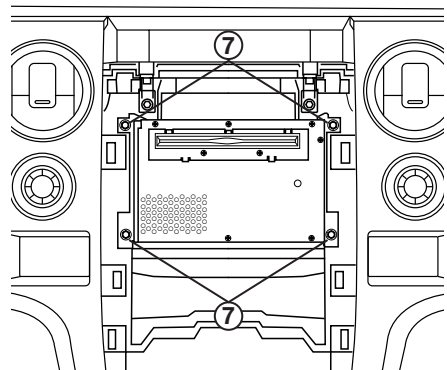
Do not remove the vent trim completely, only lift enough to allow the radio/climate control panel to be removed.



6. Pull and remove the radio/climate control panel. Unplug all connectors, noting their locations.



7. Remove the four 7mm screws from the factory radio/CD chassis. Unplug all connectors.



Wire Connections

Parts Needed:

From the HEIGH10 Box:

- 16 Pin Power/Speaker Harness
- 10 Pin Multi Camera Harness
- 6 Pin SWI/IR Harness (If vehicle is equipped with Steering Wheel Controls)

** Refer to pages 18-20 in the HEIGH10 Installation Guide for harness names and illustrations*

From the RP4-CH11 Box:

- Vehicle Interface Harness (RP4-FD11-HAR V3)
- 4 Pin SWC Harness (If vehicle is equipped with Steering Wheel Controls)

Referencing FIG A at right:

1. Connect the wires from the HEIGH10 16 Pin Power/Speaker Harness to the RP-FD11-HAR harnesses as shown. The majority of the wire connections will match color-for-color.

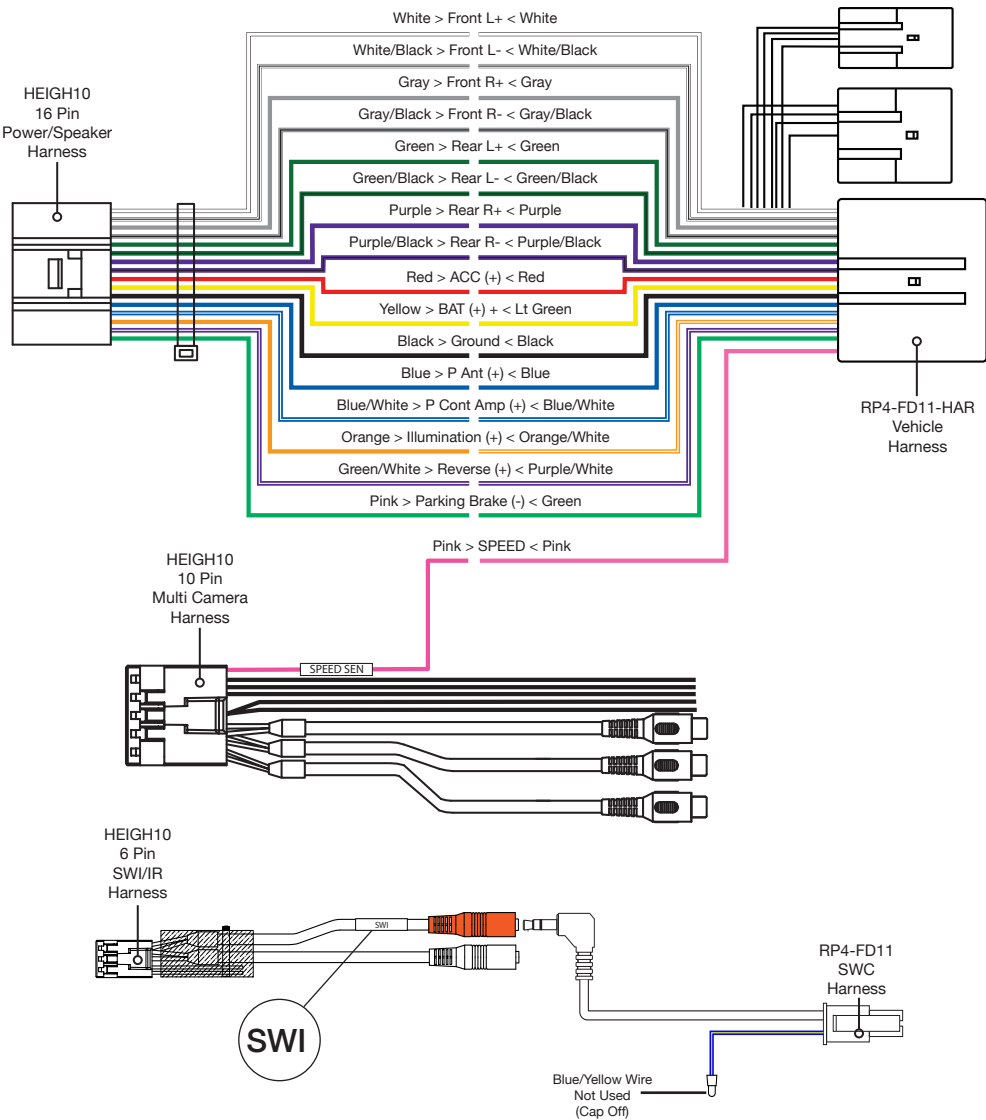
2. Optional Speed Sense Wire: If adding a front camera or HEIGH10 Navigation Card, connect the Pink wire labeled SPEED SEN on the HEIGH10 10 Pin Multi-Camera Harness to the Pink wire on the RP4 harness. Cap-off/insulate if not using.

3. Optional Steering Wheel Controls: Plug the 3.5mm mini headphone jack on the RP4 4 Pin SWC Harness into SWI on the HEIGH10 6 Pin SWI/IR Harness. Insulate the Blue/Yellow wire on the SWC harness as it will not be used.

Connect and insulate all connections either by using insulated crimp connectors or by soldering connection points and insulating with electrical tape or heat shrink. Any unused wire ends should be insulated.

Wire Connections

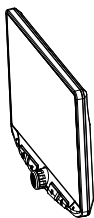
FIG A



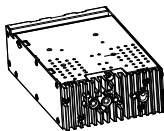
Radio & Display Assembly

Parts Needed:

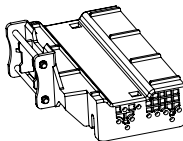
From the HEIGH10 Box:



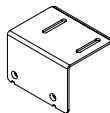
HEIGH10 Display



Radio Module



Plastic Mounting Bracket



Metal Mounting Bracket



Display Mounting Clamp



M4 x 6 Screws (4)

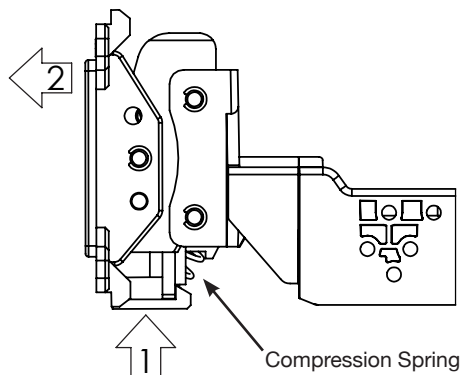


M4 x 14 Screws (4)



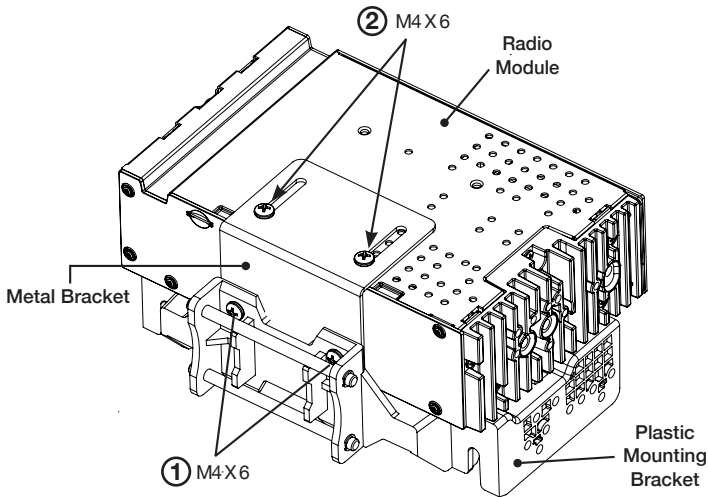
M5 x 10 Screws (2)

NOTE! The *Display Mounting Clamp* is shipped connected to the *Plastic Mounting Bracket*. To remove the clamp assembly from the plastic mounting bracket push up from the compression spring side (1) and swing out to unhook top (2).



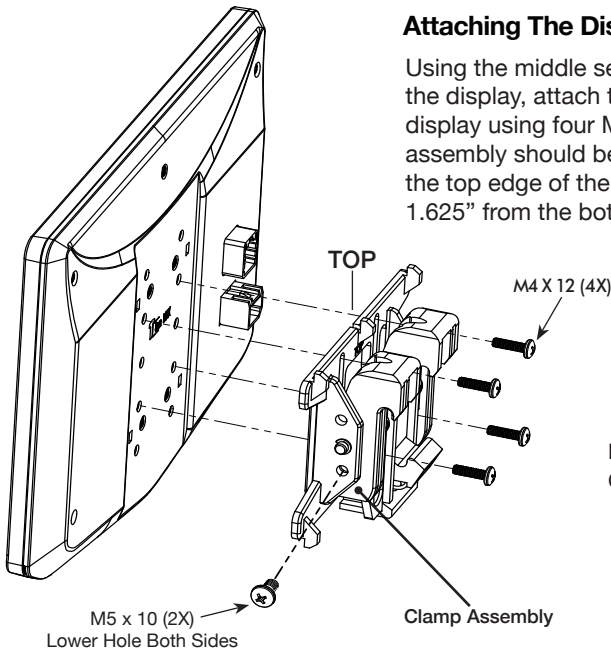
Radio & Display Assembly

Start by attaching the *Metal Bracket* to the *Plastic Mounting Bracket* using two M4 X 6 screws (1). Slide the *Radio Module* in between and align the two holes with the metal bracket. Attach using two M4 X 6 screws (2).



Attaching The Display Mounting Clamp

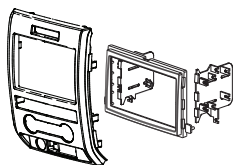
Using the middle set of holes on the back of the display, attach the *Clamp Assembly* to the display using four M4 X 14 screws. The clamp assembly should be approximately 2.75" from the top edge of the display, and approximately 1.625" from the bottom edge of the display.



Ensure the TOP indicator on the Clamp Assembly is facing UP.

Mounting Kit Assembly

Parts Needed:



FMK526 Mounting Kit



SSUSB
Dual USB Extension

From the HEIGH10 Box:



#10 X 3/8
Screws (4)



M5 X 10
Screws (4)

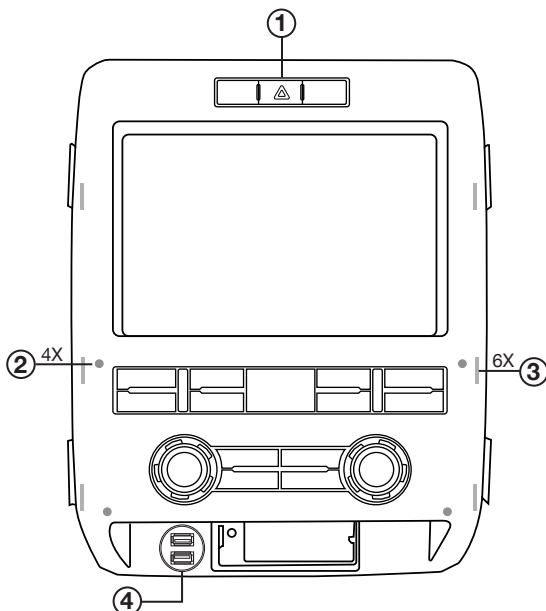
The following components will need to be removed from the factory radio/climate control panel and installed on the FMK526 main panel.

Steps 2 and 3 are performed on the backside of the panels and shown in light gray in the diagram.

1. Unclip and remove the hazard/airbag assembly from the factory radio/climate control panel and insert into the FMK526 main panel.

2. From the backside of the factory radio/climate panel, remove the four Torx T-20 screws securing the factory climate controls and install into the FMK526 main panel using the factory Torx screws.

3. Remove the six metal retaining clips from the back of the factory panel and insert them in the same locations on the back of the FMK526 panel.



NOTE: Step 4 has two options. Please read 4A and 4B before proceeding.

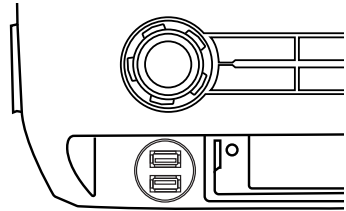
4A. Unclip and remove the 12 volt/cigarette lighter receptacle from the factory radio/climate control panel and insert into the FMK526 panel.

Mounting Kit Assembly

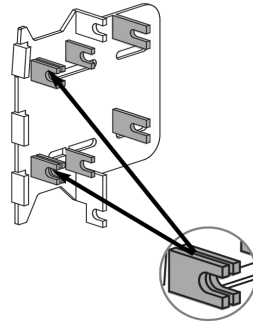
4B. For this installation, instead of transferring the factory 12V power/cigarette outlet, the SSUSB2 will be mounted in that location on the FMK526 main panel. You may choose to mount the USB ports elsewhere.

Apple CarPlay, Android Auto, and any Firmware Updates require access to a USB port. The SSUSB2 Dual USB is designed to extend the two USB ports on the back of the HEIGH10 to where they are accessible once the radio is installed.

Feed both USB cables through the mounting hole on the FMK526 main panel. Thread the cables through the locking nuts and tighten nuts. Tighten the first nut, then tighten the second nut to prevent rotation.

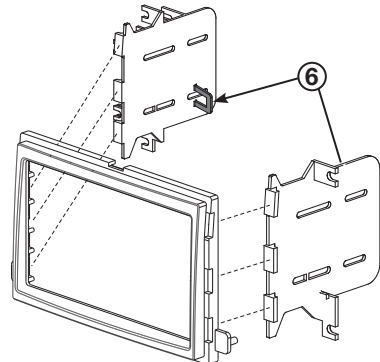


5. Using flush trimmers or similar, remove the eight shaded tabs shown from both the left and right side FMK526 brackets.

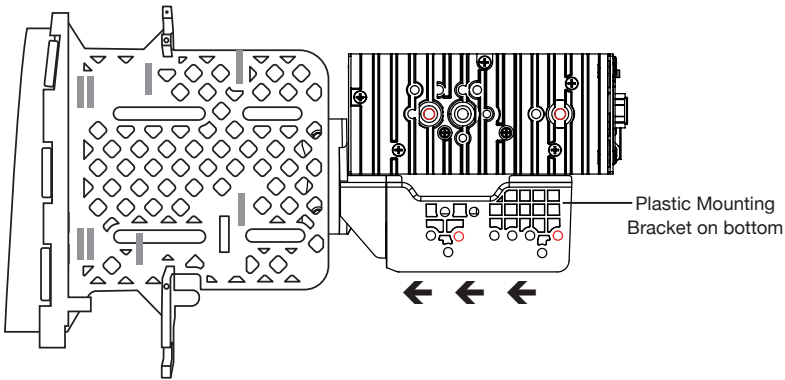


6. Remove the single shaded tab on the inside of both side brackets. (Right shaded tab not shown)

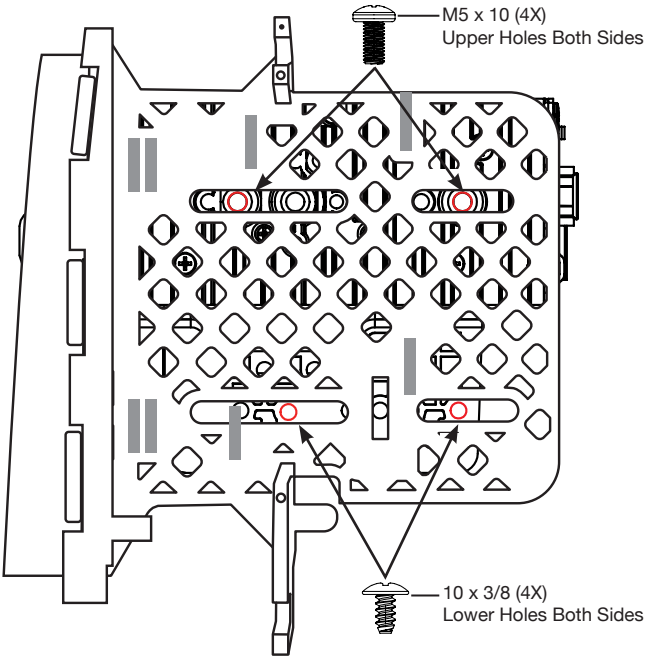
7. Attach both side brackets to the frame as shown by pressing the side bracket tabs into the slots on the frame.



Mounting Kit Assembly



6. Slide the HEIGH10 radio assembly into the mounting kit from the back until the front of the assembly contacts the front frame.

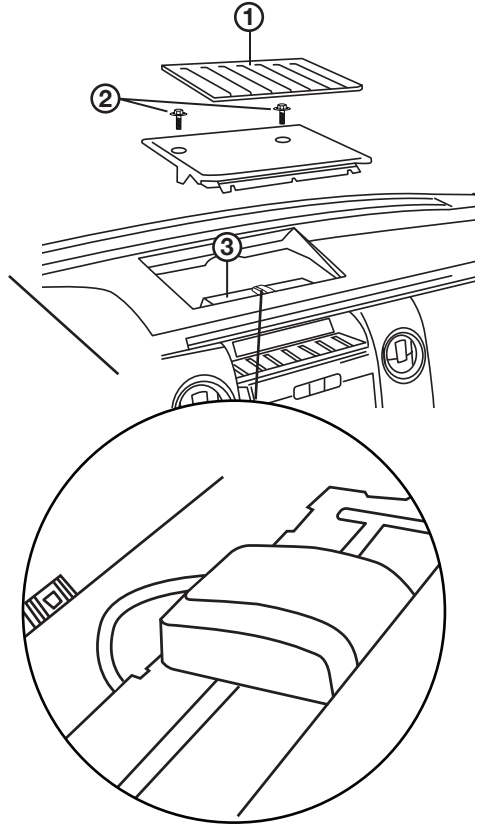


7. With the radio assembly fully forward, align the mounting holes as shown in Red. Loosely install specified screws in each location on both sides. Push forward on the radio assembly and tighten all screws.

GPS Antenna

The GPS Antenna is required for proper operation of Apple CarPlay and Android Auto.

1. Remove the rubber liner from the tray on the top of the dashboard.
2. Remove the two 7mm screws securing the tray and remove the tray by lifting on the back edge (closest to the windshield).
3. Stick the magnetic GPS antenna on top of metal chassis of the factory information display.
4. Route the connector end of the antenna cable down to the radio opening below. Leaving enough slack to plug into the back of the radio module.
5. Bundle and secure excess cable in the upper dash area.
6. Replace the upper tray into the top of the dash, and reinstall the 7mm screws and rubber liner.



Harness Connections

Parts Needed:

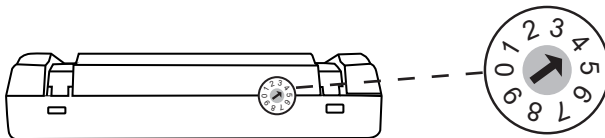
From the HEIGH10 Box:

- ▶ 8 Pin Display Power Harness
- ▶ LVDS Display Video Cable (Blue USB type)

From the RP4-FD11 Box:

- ▶ RP4-FD11 Control Module
- CR6 Antenna Adapter
- 3 Harnesses from Page 7

Using a small flat blade screwdriver or similar, set the dial on the side of the RP4-FD11 module to Number 4. Remove the sticker covering the 16 Pin plug on the end.



Referring to FIG B at right, make the following connections:

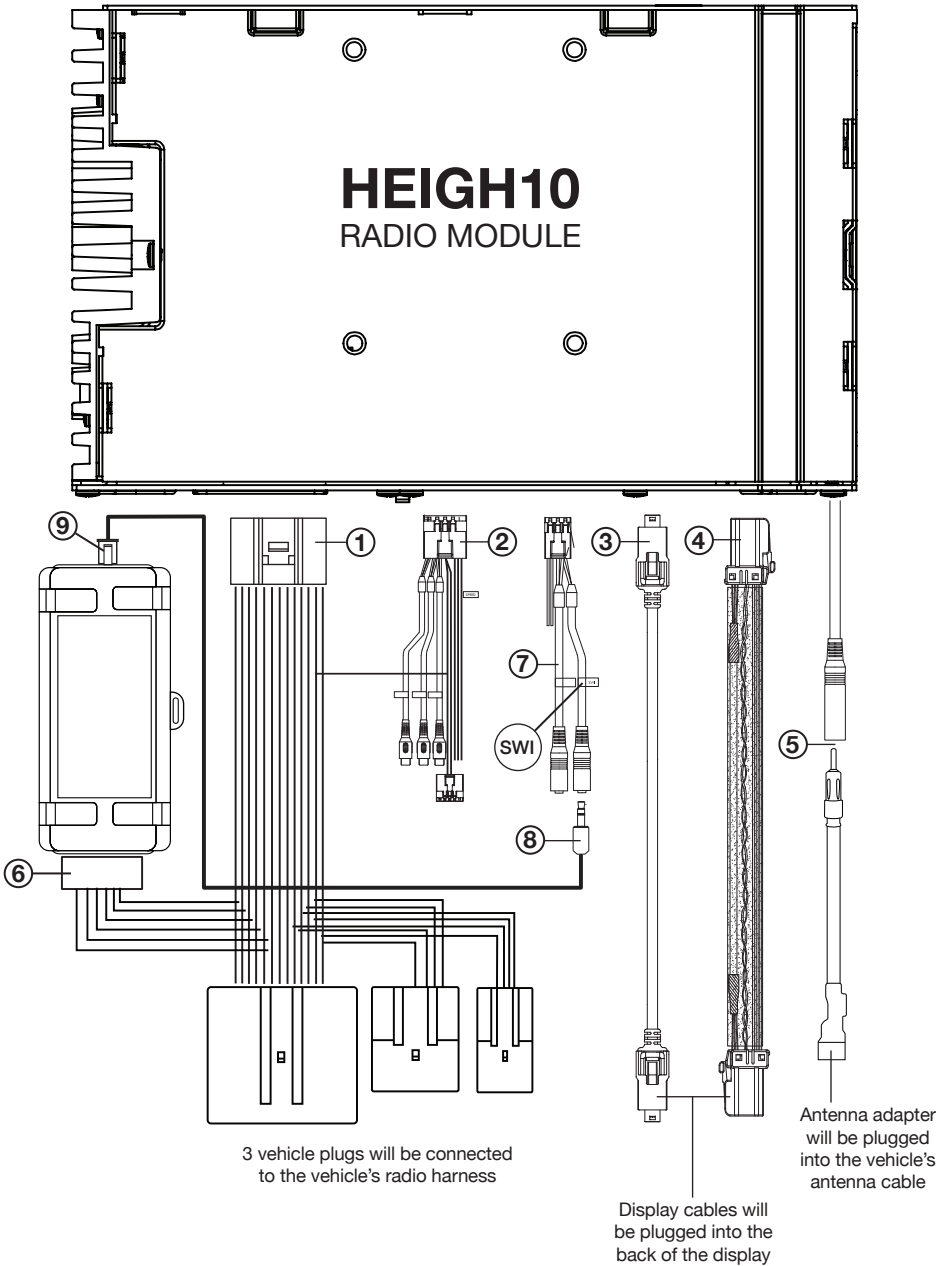
1. Plug in the 16 Pin Power/Speaker Harness
2. Plug in the 10 Pin Multi Camera Harness
3. Plug in the LVDS Display Video Cable (Blue USB type)
4. Plug in the 8 Pin Display Power Harness
5. Plug the CR06 Antenna Adapter into the antenna connector
6. Plug the 16 Pin Interface Harness into the RP4-FD11 module

If the vehicle is equipped with Steering Wheel Controls

7. Plug in the 6 Pin SW/IR Harness
8. Plug in the 3.5mm headphone jack into the female 3.5mm marked SWI
9. Plug the 4 Pin SWC Harness into the RP4-FD11 module

NOTE! These are the connections for the basic installation, there are additional harnesses included with the HEIGH10 kit (Amplifier, SiriusXM, Camera, Microphone, Aux). If not being used, it is recommended to save these as they might be needed in the future.

FIG B



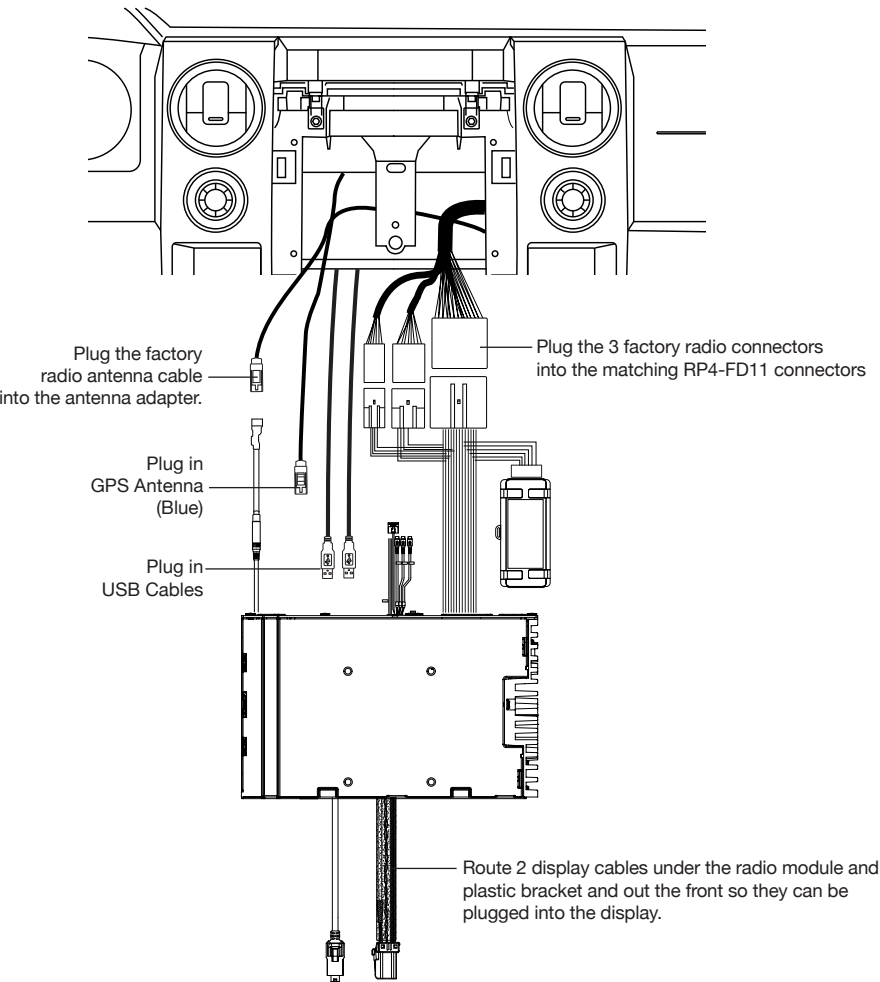
Vehicle Installation

Parts Needed:

From the HEIGH10 Box:

- ▶ Rubber Boot (Optional)
- Radio & Mounting Kit Assembly
- FMK526 Main Panel

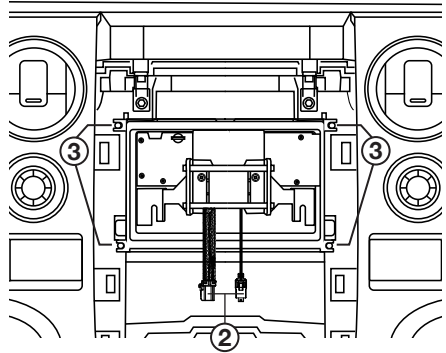
1. Inside the vehicle with the completed radio and mounting kit assembly, connect the following:



Vehicle Installation

2. After all connections are complete, bundle and secure excess wire and cables behind the radio. With the two display cables (2) routed to the front, carefully slide the new radio into place.

3. Reinstall the four 7mm screws removed from the factory radio/CD chassis.

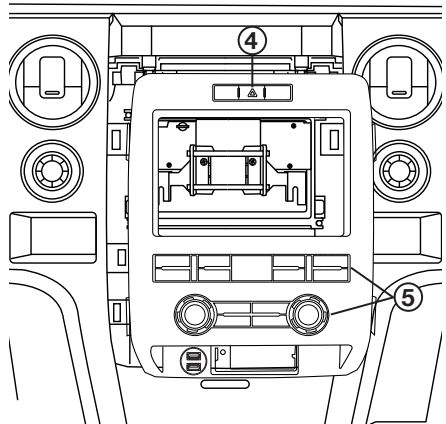


4. Plug in the hazard/air bag connector on the backside of FMK526 main panel.

5. Plug in the climate control connectors on the backside of FMK526 main panel.

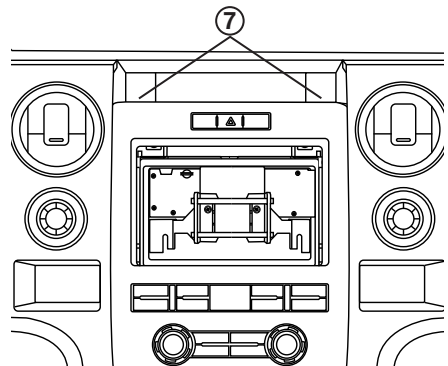
Ensure display cables and factory AUX/USB harness is fed through main panel openings.

6. With the vent panels lifted, align and snap the main panel into place.



7. Reinstall the two 7mm screws at the top of the radio/climate control panel.

Reinstall the rubber liner in the storage tray.

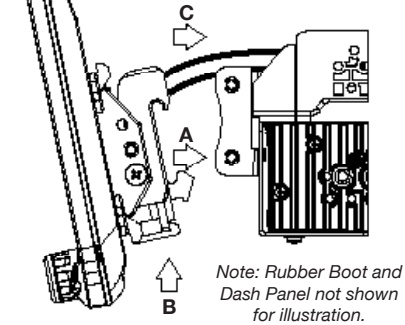


Vehicle Installation

8. To attach the display, plug in both display cables into the back of the display and feed any slack back into the dash opening:

- A - Hook the bottom hook to the lower rail
- B - Push upward from the bottom
- C - Hook the top hooks on the upper rail

NOTE: Once the display is installed, it can be adjusted up and down by removing the display and adjusting the bracket assembly as shown on Page 15.



With the display attached, decide if the optional rubber boot should be used to hide the display bracket and cables.

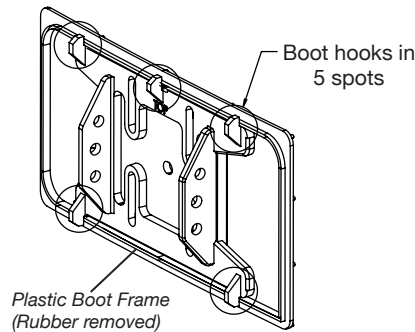
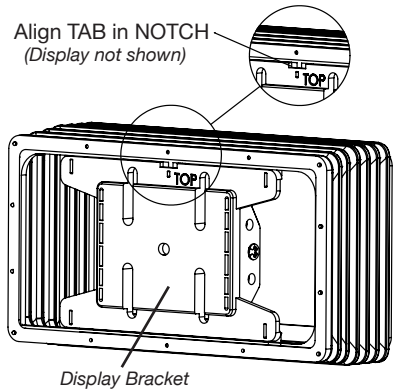
To install the rubber boot, remove the display as shown on Page 8. Unplug the display cables.

The boot attaches to the bracket on the back of the display.

Align the tab on the TOP edge of the plastic boot frame with the notch in the TOP of the display bracket.

Pull over the bottom bracket hooks snapping it into place.

With the boot in place, plug in the two display cables and reinstall the display.



It's recommended to check all functions and features before reassembling the vehicle.

Reconnect the Negative Battery Cable if removed.

The HEIGH10 User Guide can be found at:

<https://stingerelectronics.com/products/heigh10>

There is a TROUBLE SHOOTING section at the end of the User Guide.

- ☐ Start the vehicle, unit should power on.
- ☐ Check AM/FM reception.
- ☐ Check all Buttons and Volume/Power Knob.
- ☐ Press the HOME BUTTON and select SETTINGS > SOUND SETTINGS to access the audio settings. Check to make sure audio is playing through all speakers using Balance and Fade.
- ☐ Press the HOME BUTTON and select PHONE, then SETTINGS. If the External Microphone has not been installed, change Microphone to INTERNAL. Pair a phone and make a test call. *(Page 10 in User Guide)*
- ☐ Select BT Music and play audio from paired device
- ☐ Engage parking brake and insert a USB thumb drive with Audio and Video files into one of the USB Ports. Select USB as the source and check audio and video playback. Switch to the other USB port and check audio and video.
- ☐ To test Apple CarPlay and/or Android Auto, you will need to determine which USB port is the correct one. Plug an Apple or Android device into one of the USB ports. If the application does not launch, plug the device into the other USB port. *(See Pages 20-21 in the User Guide for more information on Apple CarPlay and Android Auto)*
- ☐ If vehicle is equipped with Steering Wheel Controls, confirm radio is responding when buttons are pressed.
- ☐ If vehicle is equipped with Rear Camera, place in reverse and confirm camera operation. If no camera has been installed, press the HOME BUTTON, then select SETTINGS, then CAMERA SETTINGS and set CAM 1 TRIGGER to OFF. Place vehicle in reverse and confirm display does not turn off in reverse.

Need Help?

You can reach Technical Support via Phone, Email or Chat.

Phone: 727-592-5991

Email: support@aampglobal.com

Chat: stingerelectronics.com

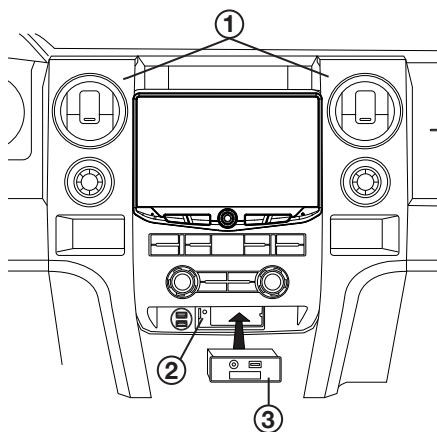
Tech Support Hours:

Mon-Fri 9AM-8PM EST

Sat 9AM-7PM EST

Vehicle Reassembly

1. Ensure both left and right vent trim panels are fully seated.
2. Reinstall the 7mm screw in the lower AUX/USB opening.
3. Connect and reinstall the factory AUX/USB panel.



Stinger is a Power Brand of AAMP Global
15500 Lightwave Drive, Suite 202
Clearwater, Florida 33760

AGREEMENT: End user agrees to use this product in compliance with the instructions and terms of use and with all State and Federal laws. STINGER provides instructions and safety warnings with respect to this product and disclaims all liability for any use not in conjunction with those instructions or other misuse of its product. If you do not agree, please discontinue use and contact STINGER. This product is intended for off-road use and passenger use only.