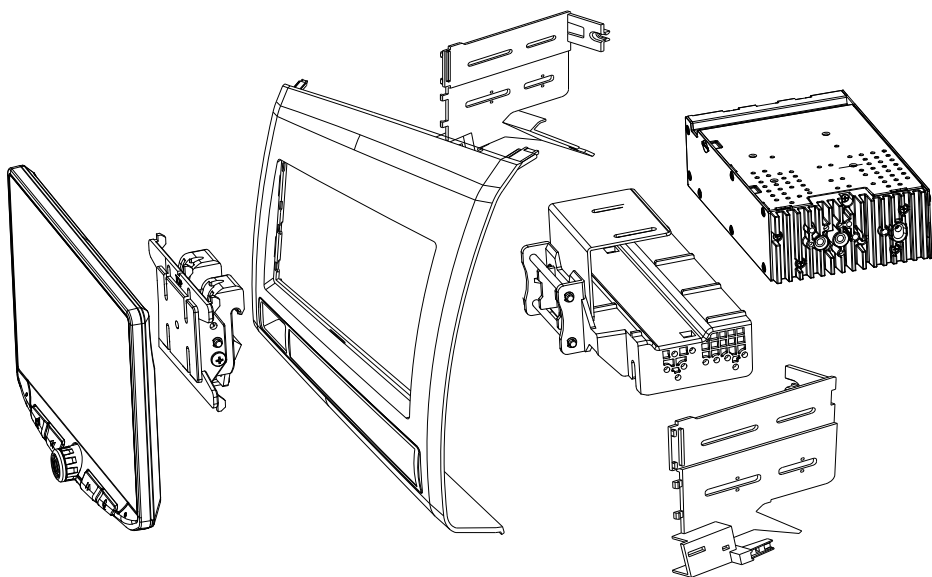


## 2005-2011 Toyota Tacoma 10" Multimedia Infotainment System Installation Guide



**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>



# Contents

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Kit Components.....	3
Vehicle Disassembly.....	4
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OBD-2 Adapter.....	15
GPS Antenna.....	16
USB Extension.....	17
Harness Connections.....	18
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Vehicle Reassembly.....	25



## 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.

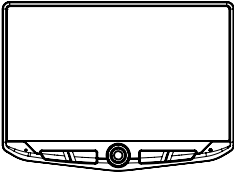
To prevent damage to the vehicle, confirm the locations of hoses, electrical wiring, and the fuel tank prior to drilling holes to install this product.

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.

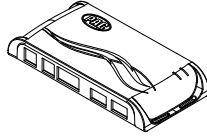
# Kit Components

---

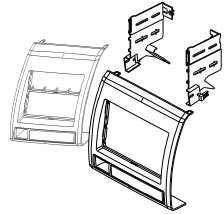
NOTE! This installation guide outlines basic installation. For any additional features, adding a rear camera or amplifier, please refer to the additional instructions included with each component.



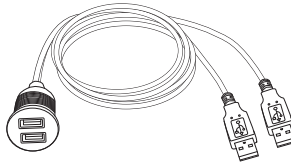
Stinger HEIGH10®  
(UN1810)  
10" Multimedia System



RP4.2-TY11  
Radio Replacement  
Interface



TOYK972  
Mounting Kit  
Black & Silver



SSUSB2  
Dual USB Extension

## Recommended Tools

---

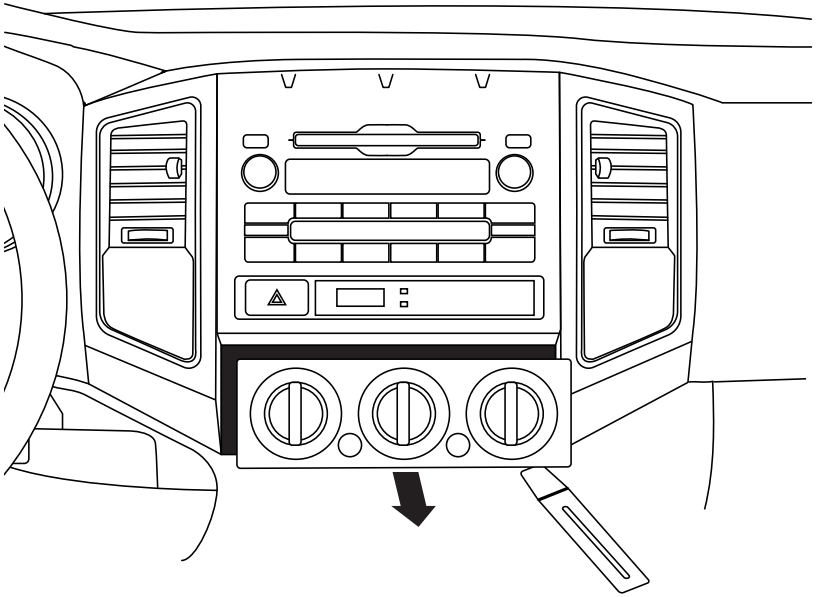
*Plastic Trim Tool*  
*10mm Socket*  
*Socket Extension*  
*Ratchet*  
*Phillips Screwdriver*  
*Wire Stripper / Crimper*

*Tin Snips*  
*Pick Tool*  
*Battery Terminal Wrench*  
*Wire Connectors*  
*Zip Ties*

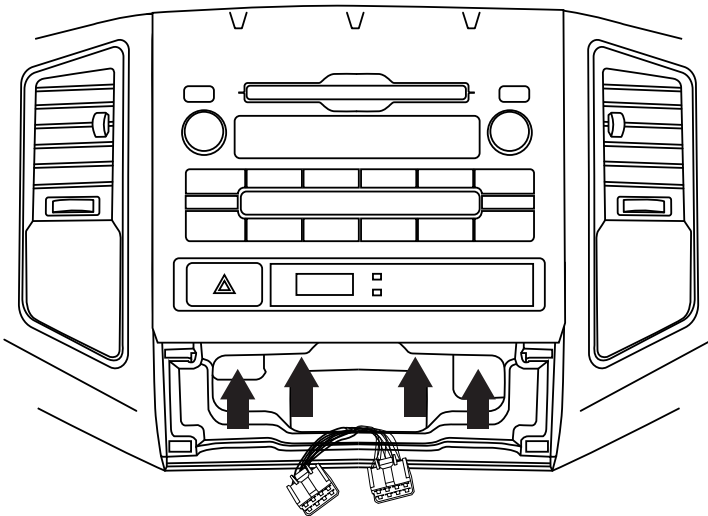
**NOTE! Before starting disassembly, remove Negative Battery Cable.  
Protect vehicle surfaces with removable tape and/or towels.  
Place removed vehicle parts in a safe place.**

# Vehicle Disassembly

---

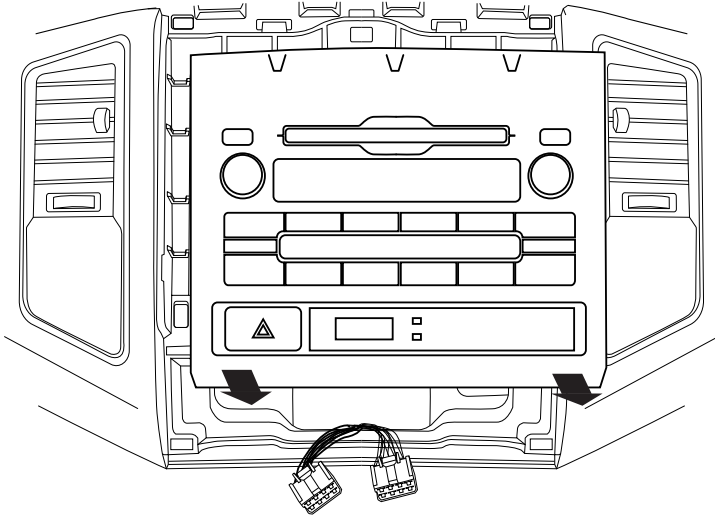


1. Insert a plastic trim tool along the bottom edge of the climate controls to release the four retaining clips. Unplug the two connectors from the climate controls.



2. Remove the four 10mm bolts located below the Hazard/Clock panel.

# Vehicle Disassembly

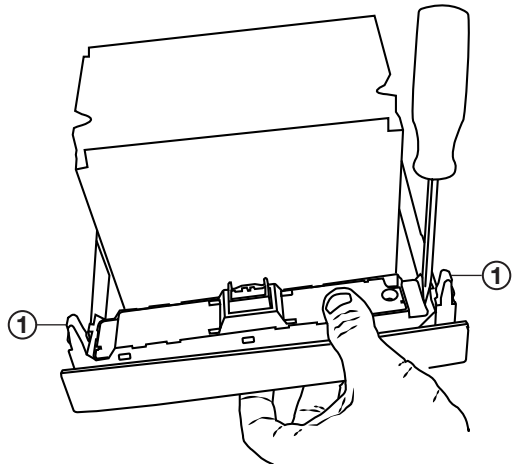


3. Using two hands behind the Hazard/Clock area, pull the radio assembly outward to release the retaining clips on the sides and top. Pull entire radio assembly forward, disconnect all wire harnesses from rear of radio and Hazard/Clock panel and remove the radio assembly.

4. From the backside of the factory radio assembly, use a flat blade screwdriver to carefully remove the Hazard/Clock module. Apply light pressure to the front of the Hazard/Clock module while prying the thin plastic strip around the module housing outward to release the module from the radio panel.

**NOTE:** There are two retaining snaps on the top and bottom edges, and one on each side.

**NOTE:** The metal side brackets not shown. Removing the side brackets from the radio will make removing the Hazard/Clock module easier, but is not necessary.



5. Remove and save both plastic clips (1) from the lower mounting studs.

# Wire Connections

---

## **Parts Needed:**

### **From the HEIGH10 Box:**

- ▶ 16 Pin Power/Speaker Harness
- ▶ 10 Pin Multi Camera Harness (Optional)
- ▶ 6 Pin SWI\*/IR Harness (Optional)

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

### **From the RP4.2-TY11 Box:**

- ▶ Radio Harness (A109-RAD-HAR)
- ▶ Vehicle/Interface Harness (RP4.2-TY11-HAR V5)

Referencing FIG A at right:

1. Connect the wires from the HEIGH10 16 Pin Power/Speaker Harness to the RP4.2-TY11 harnesses as shown. The majority of the wire connections will match color-for-color.

Note: The three Analog Navigation Output wires on the RP4.2-TY11-HAR V5 will not be used and should be capped-off / insulated.

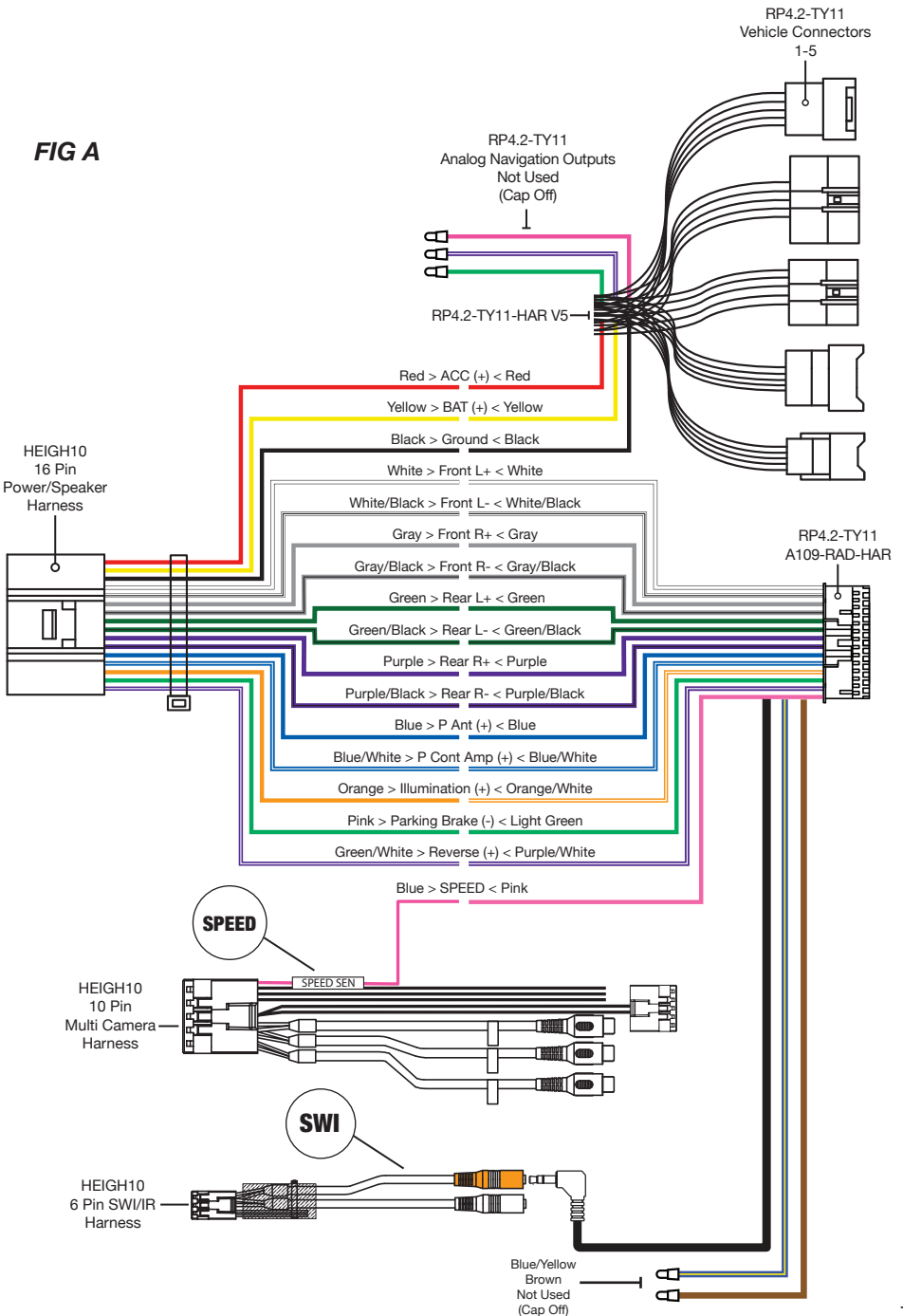
2. Optional Speed Sense Wire: If adding a front camera or HEIGH10 Navigation Card, connect the Blue wire labeled SPEED on the HEIGH10 10 Pin Multi Camera Harness to the Pink wire on the RP4.2 harness. Cap-off/insulate if not using.

3. Optional Steering Wheel Controls: Plug the 3.5mm mini headphone jack on the RP4.2 harness into the SWI socket on the HEIGH10 6 Pin SWI/IR Harness. Insulate the Blue/Yellow and Brown wires on the SWC harness as they will not be used.

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

# Wire Connections

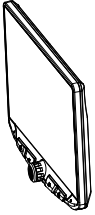
FIG A



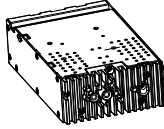
# Radio & Display Assembly

## Parts Needed:

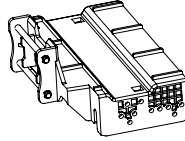
From the HEIGH10 Box:



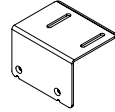
HEIGH10 Display



Radio Module



Plastic Mounting Bracket



Metal Mounting Bracket



Display Mounting Clamp



M4 x 6 Screws (4)



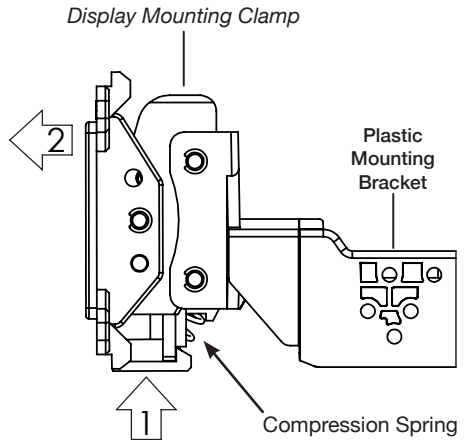
M4 x 14 Screws (4)



M5 x 10 Screws (2)

*There is a Hardware Guide on Page 5 of the HEIGH10 Installation Guide*

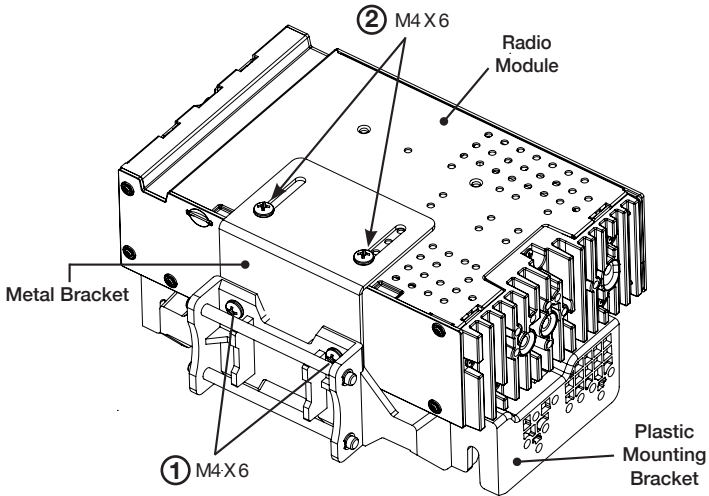
**NOTE!** The *Display Mounting Clamp* is shipped connected to the *Plastic Mounting Bracket*. To remove the clamp assembly from the plastic mounting bracket push up from the compression spring side (1) and swing out to unhook top (2).





# Radio & Display Assembly

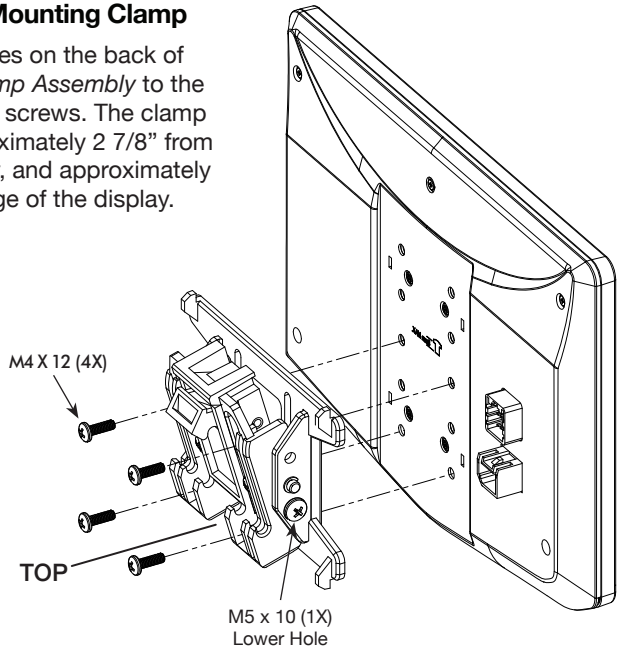
Start by attaching the *Metal Bracket* to the *Plastic Mounting Bracket* using two M4 X 6 screws (1). Slide the *Radio Module* in between and align the two holes with the metal bracket. Attach using two M4 X 6 screws (2).



## Attaching The Display Mounting Clamp

Using the lowest 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 7/8" from the top edge of the display, and approximately 1 1/4" from the bottom edge of the display.

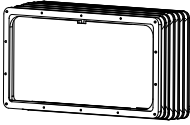
To achieve the proper display angle for the Tacoma, ensure the TOP indicator on the Clamp Assembly is facing DOWN.



# Radio & Display Assembly

## Parts Needed:

From the HEIGH10 Box:



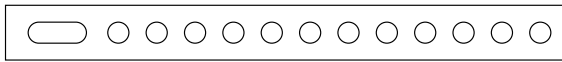
Rubber Boot



8 Pin Display Harness



LVDS Display Cable (Blue USB)



Metal Back Strap

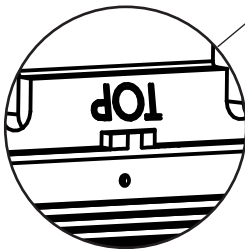
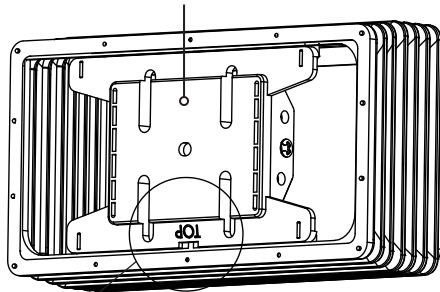
## Attaching The Rubber Boot

The boot attaches to the display mounting clamp on the back of the display.

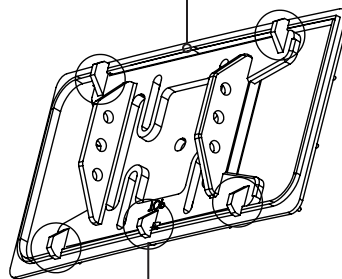
Align the TAB on the plastic boot frame with the NOTCH on the bottom of the display bracket.

Pull over the upper bracket hooks snapping it into place.

Display Mounting Clamp  
(Display not shown)



Plastic Boot Frame  
(Rubber removed)



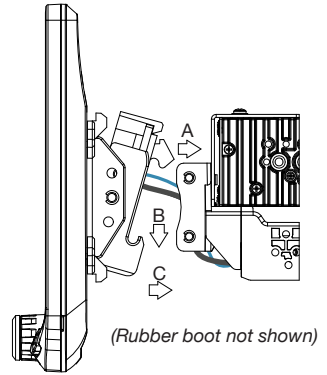
Boot hooks in  
5 spots

# Radio & Display Assembly

## Attaching The Display

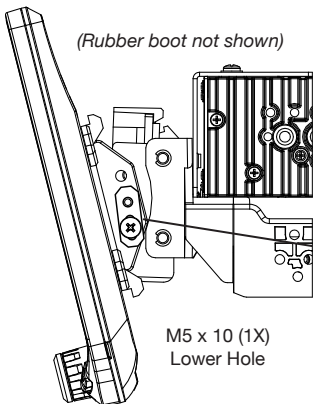
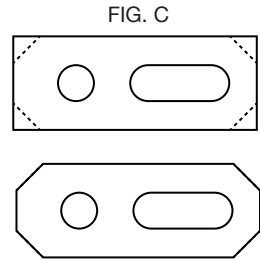
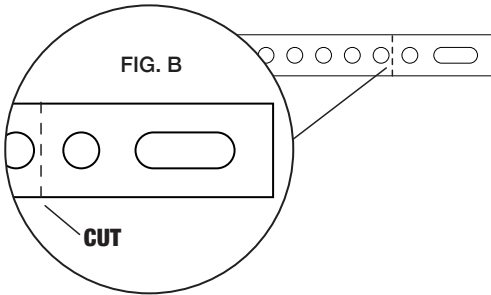
To attach the display, plug in both display cables into the back of the display and feed the cables under the plastic mounting bracket and plug into the back of the Radio Module.

- A - Hook the top hook to the top rail
- B - Push downward to compress spring
- C - Hook the lower hooks on the lower rail

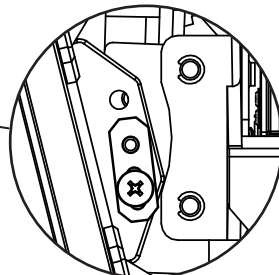


## Display Locking Clip

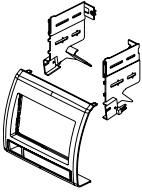
1. Using tin snips or similar, cut the metal back strap included in the HEIGH10 kit, as shown in FIG. B.
2. Cut the four corners as shown in FIG. C



3. Place the remaining M5 x 10 screw through the slotted hole on the locking clip and screw it into the bottom hole on the display mounting clamp, ensuring the hole on the locking clip goes over the stud above the screw.



# Mounting Kit Assembly



TOYK972  
Mounting Kit

From the HEIGH10 Box:



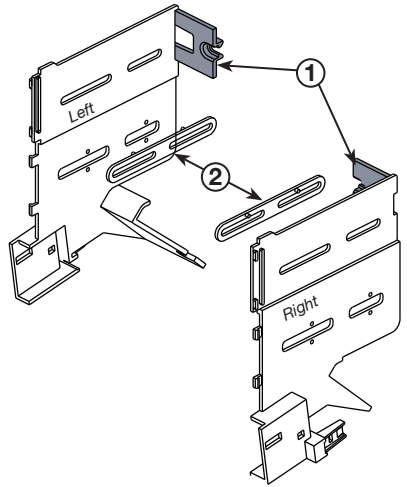
#10 X 3/8  
Screws (4)



M5 X 10  
Screws (4)

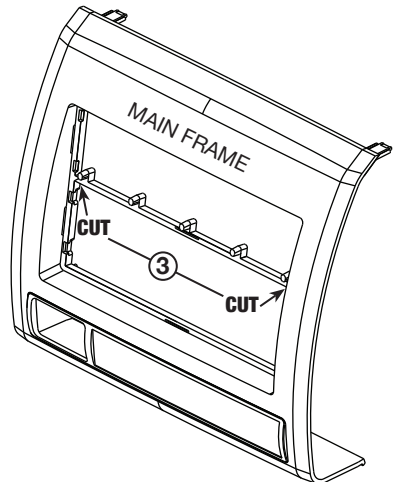
1. Remove the shaded tabs from both left and right side brackets.

2. Align the pins on the slotted spacers with the holes on the inside of the side brackets and snap into place. Spacers must read upright: (This side up for single DBL ISO install)



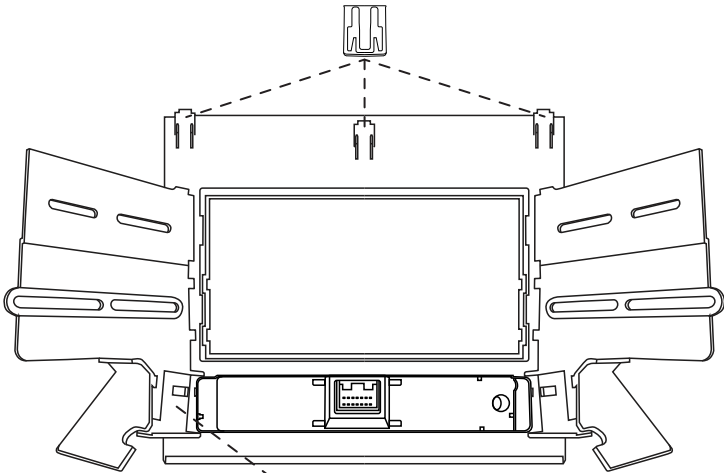
Select the correct Main Frame (Black or Silver) that matches the vehicle.

3. Remove the center rib from the main frame.



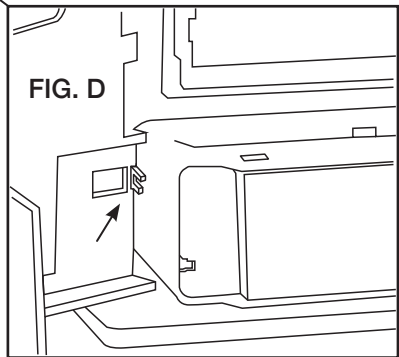
# Mounting Kit Assembly

4. Place the main frame face down. From the TOYK972 mounting kit hardware, install the three metal spring clips on the mounting studs along the top of main frame.

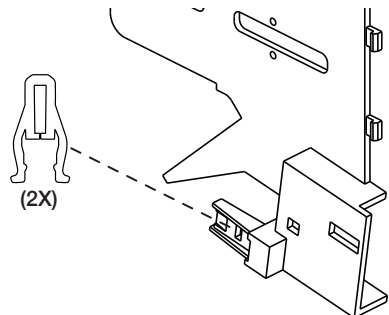


5. Position the Hazard/Clock module into the main frame.

6. Align the notches in the side brackets with Hazard/Clock module (FIG. D) and attach the side brackets to the main frame in the orientation shown above.

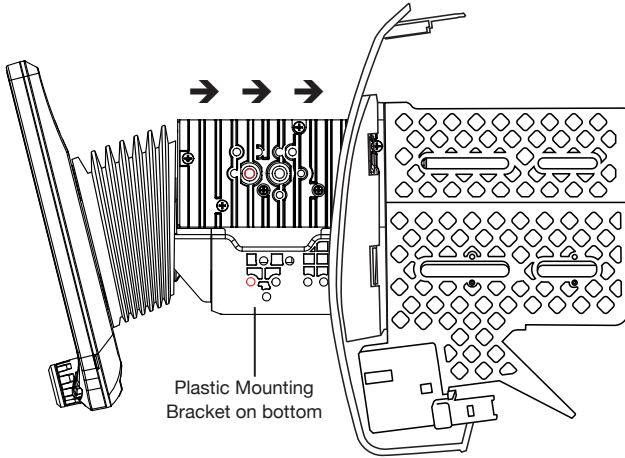


7. Install the two plastic clips removed from the factory radio assembly onto the mounting studs on both side brackets.

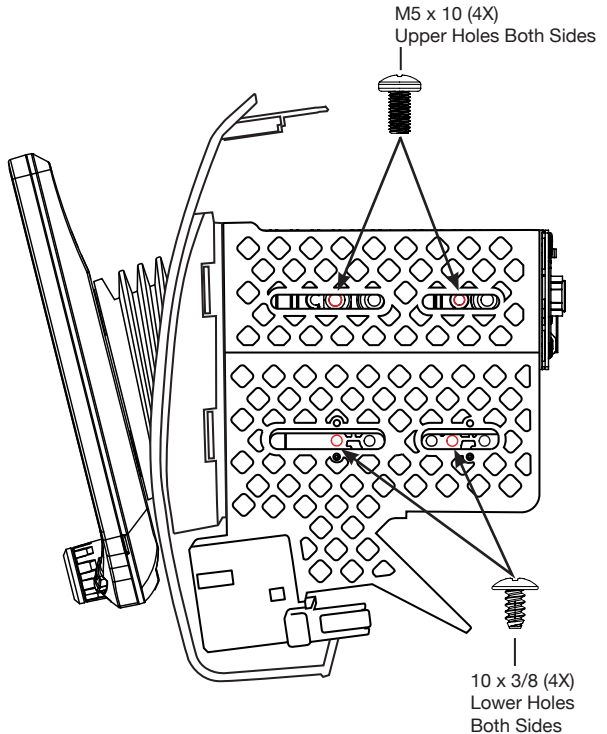


# Mounting Kit & Radio Assembly

8. Slide the complete radio assembly into the mounting kit from the front.



9. With the radio assembly's side mounting holes positioned as shown, loosely install the specified screws in each location marked in Red on both sides. Ensure the radio assembly is straight and positioned correctly and then tighten all screws.

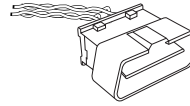


# OBD-2 Adapter

## **Parts Needed:**

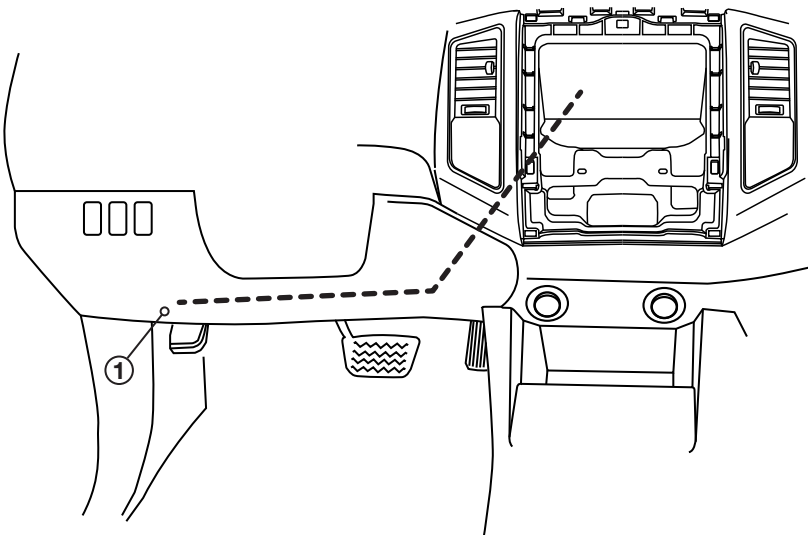
From the RP4.2-TY11 Box:

- OBD-2 Adapter



*The OBD-2 Adapter provides vehicle data for the radio to operate properly. The adapter can be unplugged for service access to the OBD-2 port. If the OBD-2 port is being used by another accessory, the CAN wires can be professionally soldered behind the port and the adapter eliminated.*

1. The Yellow and Black wires on the OBD-2 Adapter will not be used. These wires can be shortened and the ends must be insulated.
2. Plug the OBD-2 adapter into the vehicles OBD port located on the lower edge of the dash above the parking brake / clutch (1).
3. Route the wires behind the panel, across the lower dash towards the radio opening. Secure the wires away from metal or moving parts.
4. Feed the 2-pin plug up to the radio opening where it will be connected to the RP4.2-TY11 harness.

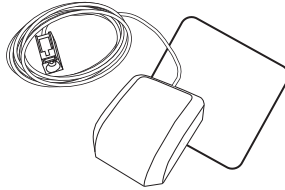


# GPS Antenna

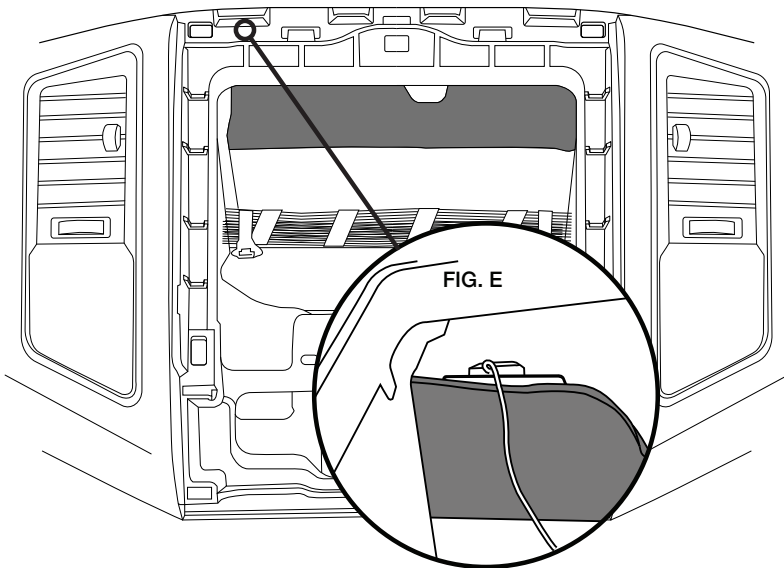
## **Parts Needed:**

From the HEIGH10 Box:

- ▶ GPS Antenna
- ▶ GPS Mounting Plate



*The GPS antenna is required for proper operation of Apple CarPlay and Android Auto. Along the back of the inner dash opening, there is a air duct (shown shaded in gray below) running across the top. The metal mounting plate can be attached to the top of the air duct on the left side.*



1. Clean the top of the air duct.
2. Remove the backing paper from the adhesive tape on the mounting plate.
3. Position the mounting plate roughly as shown in FIG. E above. Once positioned, press and hold for about 10 seconds.
5. Place the magnetic GPS Antenna on top of the mounting plate.
6. The blue connector on the end of the GPS Antenna cable will be plugged into the back of the radio and the remaining cable should be bundled and secured.



# USB Extension

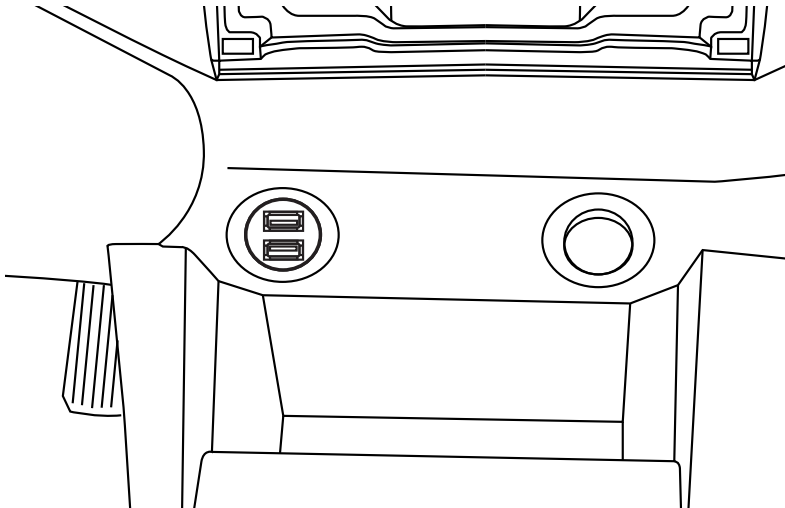
## **Parts Needed:**

- SSUSB2 Dual USB Extension



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

*For this installation, one of the factory 12V power outlets will be replaced with the SSUSB2. You may chose to follow these steps, or mount the USB port somewhere else in the vehicle.*



1. On the inside of the metal socket there are two plastic clips engaged into the metal, normally top and bottom.
2. Using a bent pick tool, push in on the clips while turning the socket counter-clockwise and pushing outward from the back of the socket.
3. Once the metal socket is removed and unplugged, there are two retaining clips on the side of the plastic trim/cover. Depress the clips while pushing outward.
5. Route the two USB cables through the front of the panel and up to the radio opening.
6. Thread the two USB cables through the two locking nuts and thread the locking nuts onto the back of the USB socket.

# Harness Connections

---

**Parts Needed:**

- All Harnesses from Pages 6-7

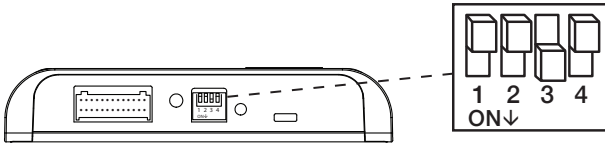
**From the HEIGH10 Box:**

- ▶ 24 Pin A/V Harness (Optional)

**From the RP4.2-TY11 Box:**

- ▶ RP4.2-TY11 Control Module

On the side of the RP4.2-TY11 module, set dip switch 3 down into the ON position. Leave all other dip switches up and off.



*Referencing FIG. F at right, make the following connections:*

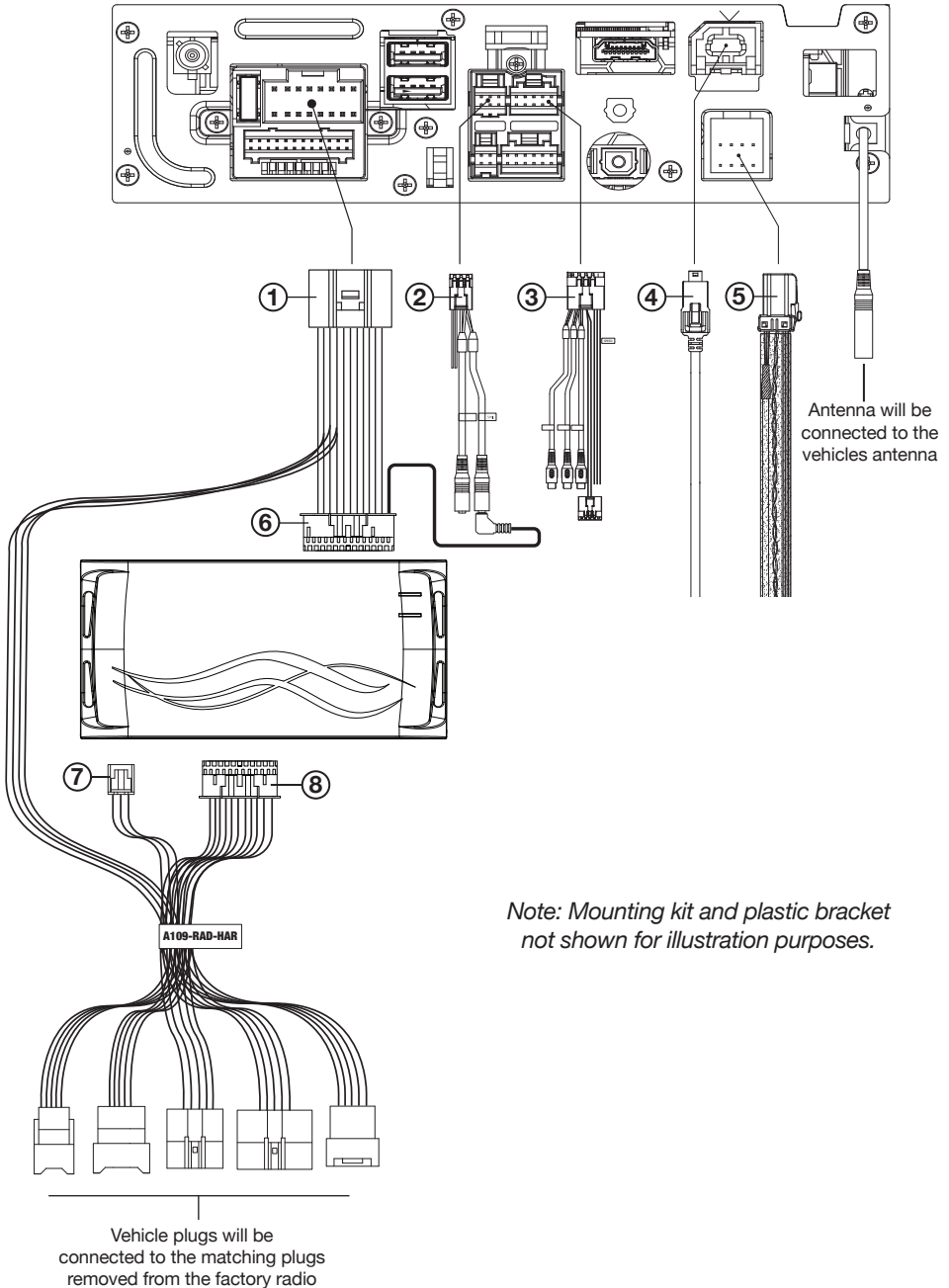
1. Plug the 16 Pin Power/Speaker Harness into the radio module
2. Plug in the optional 6 Pin SWI/IR Harness
3. Plug in the optional 10 Pin Multi Camera Harness (SPEED)
4. Ensure the LVDS Display Video Cable (Blue USB type) is connected.
5. Ensure the 8 Pin Display Power Harness is connected.
6. Plug the A109 Radio Harness into the RP4.2-TY11 control module.
7. Plug in Vehicle Conn #1 into the RP4.2 module
8. Plug in Vehicle Conn #2 into the RP4.2 module

*Note: Ports are labeled on the bottom of the RP4.2-TY11 control module*

# Harness Connections

FIG. F

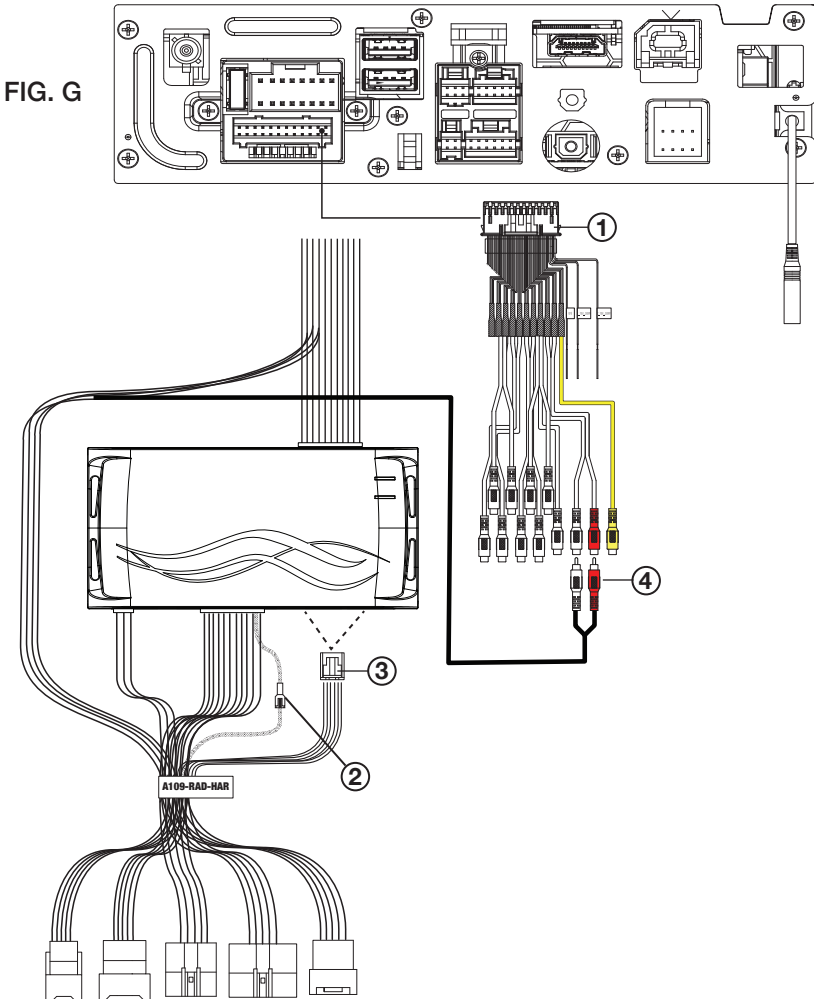
## Radio Module



# Harness Connections

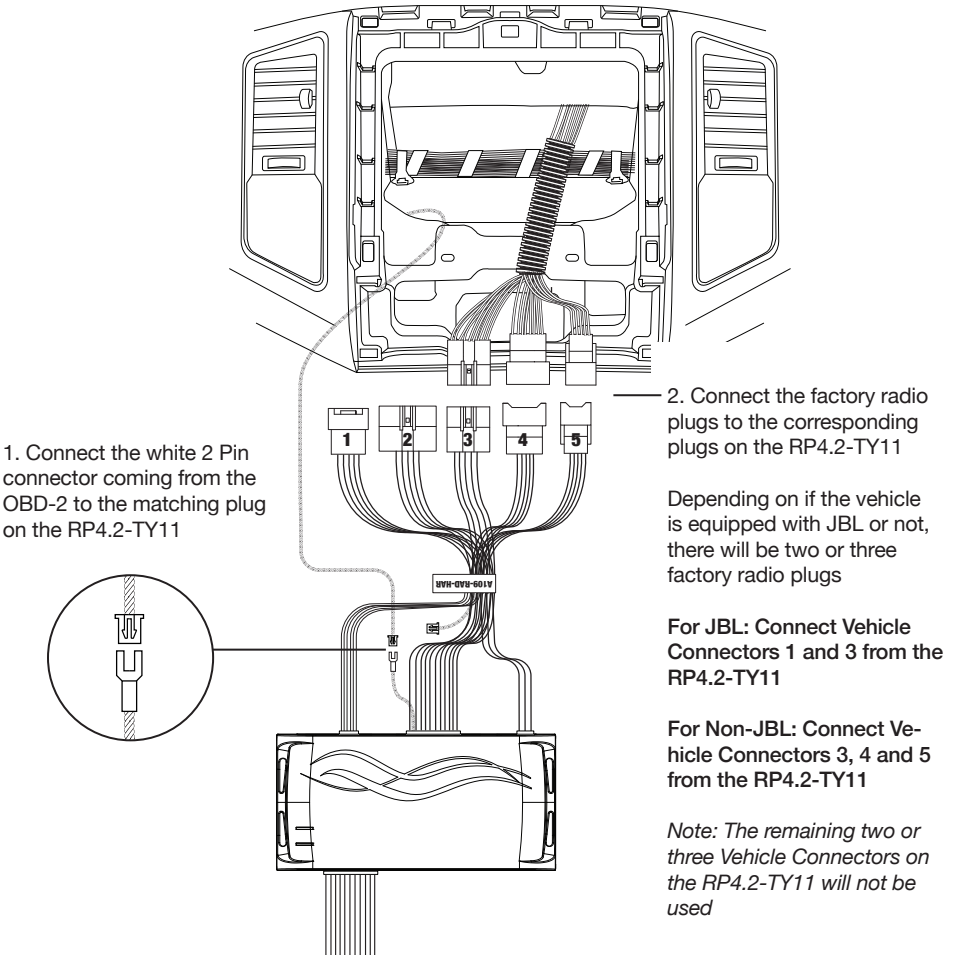
Referencing FIG. G below, make the following connections:

1. Plug in the HEIGH10 24 Pin AV Harness
2. Unplug the small white 2 Pin connector disconnecting the twisted White/Red and White/Black Wires
3. Referencing the label on the bottom of the RP4.2-TY11, plug in Interface Connector #3 into the Amplified Audio Output port if the vehicle has a factory amplifier (JBL) or the Non Amplified Audio Output port for all non amplified vehicles
4. For vehicles with a factory AUX input, connect the AUX AUDIO RCA cable from the TY11 into the LINE IN RCA cable on the 24 Pin AV Harness



# Vehicle Installation

Inside the vehicle with the HEIGH10 radio module/mounting kit assembly, RP4.2-TY11 and the HEIGH10 display, start by making the connections to the RP4.2-TY11 as shown below.



*Note: Some additional harnesses not shown for illustration purposes.*

# Vehicle Installation

---

Referencing FIG. H below, make the following connections:

1. Plug in the antenna cable.
2. Plug in the two USB cables.
3. Plug in the GPS Antenna

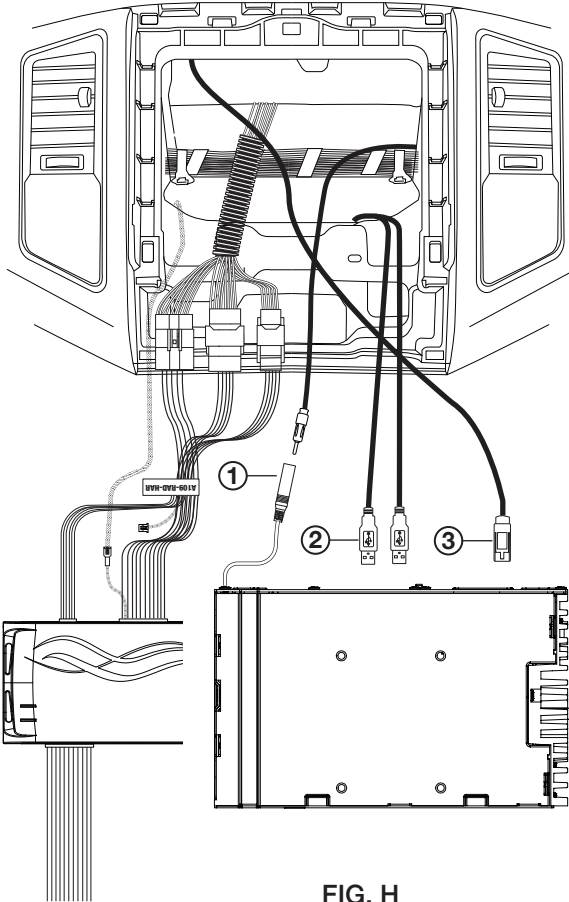


FIG. H

*Note: Additional harnesses and mounting kit not shown for illustration purposes.*

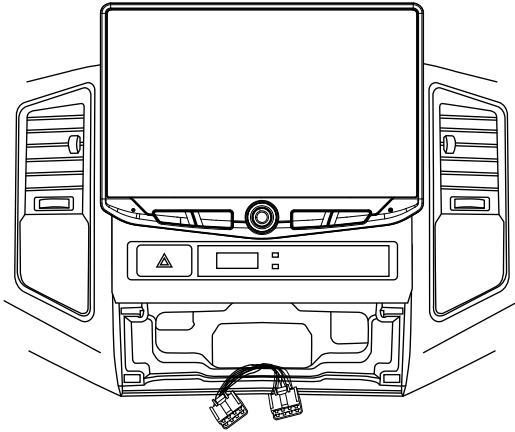
# Vehicle Installation

---

After all connections are complete, bundle and secure excess wire and cables behind the radio. Securely mount the RP4.2-TY11 module out of the way.

Position the radio assembly close enough to plug the factory connector into the back of the Hazard/Clock module and then carefully slide the radio assembly into place.

Align and press firmly to seat all the retaining clips.



*Before finalizing the installation and reassembling the vehicle, we recommend running the Function Test on Page 24.*

# Function Test

---

*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>

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.
- Touch MENU or press the MENU BUTTON, scroll down and select AUDIO to access the AUDIO settings. Check to make sure audio is playing through all speakers.
- While in AUDIO settings, select Other, Set MIC Location to Internal if the External Mic has not been installed.
- 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)*
- Touch MENU or press the HOME BUTTON, then select Settings, then Camera. Set Reverse Trigger to OFF if no camera has been installed. Place vehicle in reverse and confirm display does not turn off in reverse.
- 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.

## ***Need Help?***

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

Phone: 727-592-5991  
Email: [support@aampglobal.com](mailto:support@aampglobal.com)  
Chat: [stingerelectronics.com](https://stingerelectronics.com)

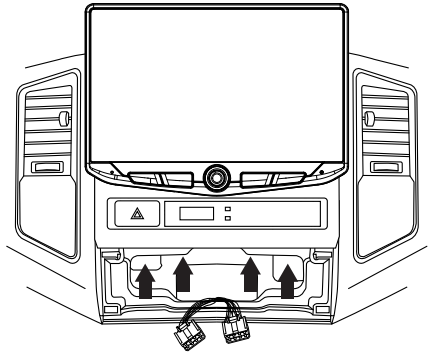
Tech Support Hours:  
Mon-Fri 9AM-8PM EST  
Sat 9AM-7PM EST



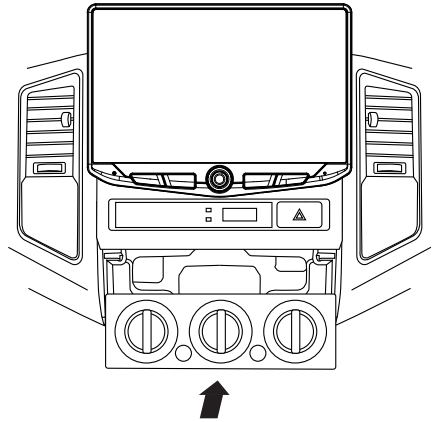
# Vehicle Reassembly

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1. Reinstall the four 10mm bolts below the Hazard/Clock panel.



2. Reconnect the climate control plugs. Align the four climate control retaining clips and press firmly into place.









Stinger is a Power Brand of AAMP Global  
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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.