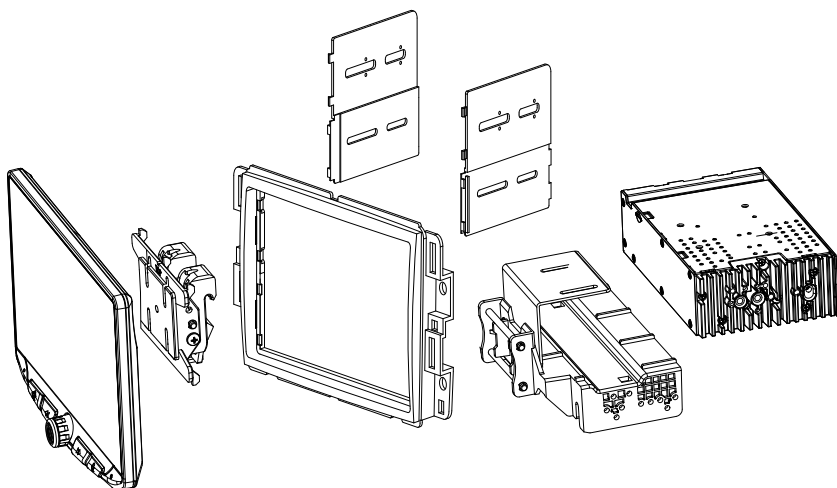


2008-2011
Chevrolet Silverado / GMC Sierra
10-Inch Modular Multimedia System

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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Kit Components.....	3
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Harness Connections.....	12
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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.

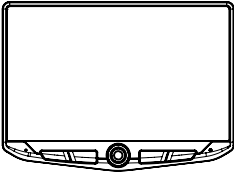
Exposed wires must be insulated with electrical tape. Otherwise, a short circuit, fire, or electric shock may result.

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.

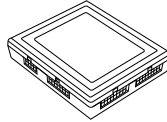
When it is necessary to replace the fuse, always use a fuse of the correct rating (number of amperes). Use of fuses with higher amperage ratings may cause a fire.

Kit Components

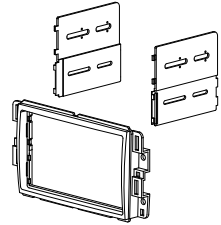
NOTE! This installation guide outlines basic installation. For any additional features, adding a rear camera or amplifier, please refer to the additional instructions included with each component.



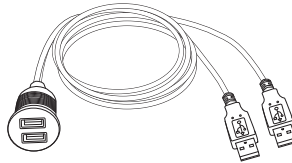
Stinger HEIGH10
(UN1810)
10" Multimedia System



RP5-GM31
Radio Replacement
Interface



GMK318
Mounting Kit



SSUSB2
Dual USB Extension

Recommended Tools

Plastic Trim Tool
7mm Socket
Socket Extension
Ratchet
Pick Tool

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.**

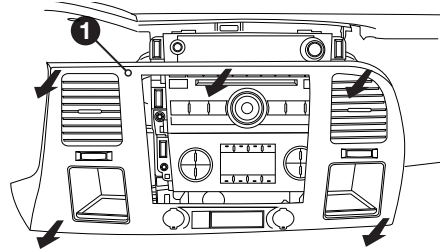
Vehicle Disassembly

Models With Radio Mounted In Upper Dash

1. Starting along the top, remove the trim panel around the radio and climate controls using a plastic trim tool to release the retaining clips.

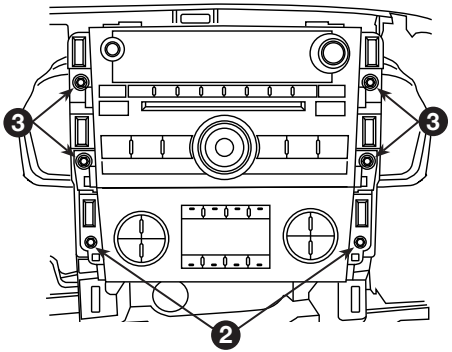
Note: The bottom of the panel is tucked behind the lower panel. Pulling the shift lever back will aid in removing.

Unplug the power receptacles and switches, if equipped.

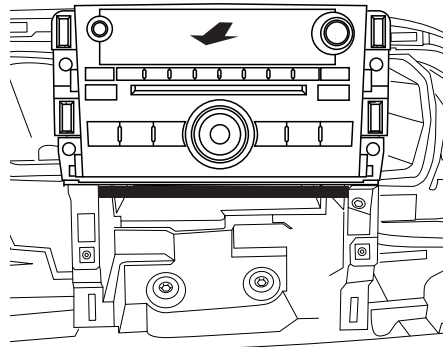


2. Remove the two 7mm screws securing the climate controls and remove and carefully let hang below dash opening.

3. Remove the four 7mm screws securing the radio.



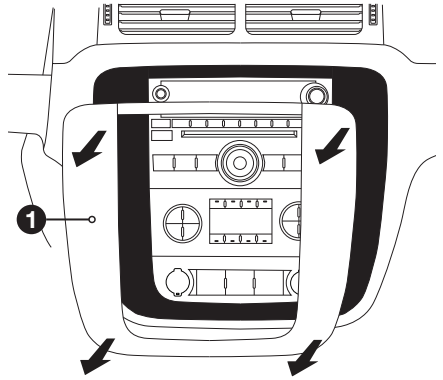
4. Remove radio and disconnect all harnesses and cables.



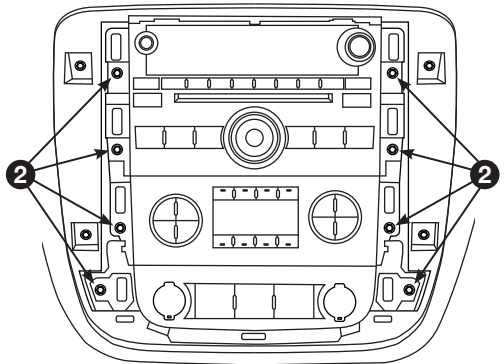
Vehicle Disassembly

Models With Radio Mounted In Lower Dash

1. Remove the trim panel around the radio and climate controls using a plastic trim tool to release the retaining clips.



2. Remove the four 7mm screws on each side.

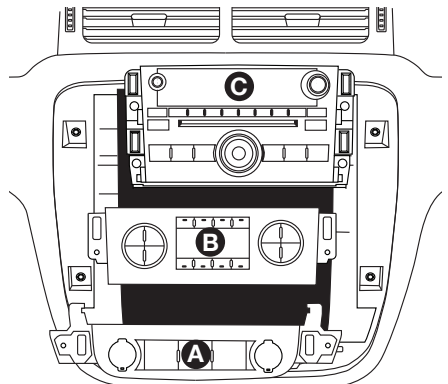


3. Starting at the bottom:

A. Remove the power outlet/switch panel. Unplug the wire harnesses.

B. Remove the climate controls and carefully let hang below dash opening.

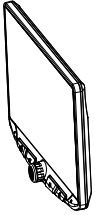
C. Remove the radio and unplug all wire harnesses and cables.



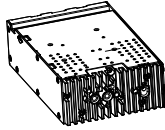
Radio & Display Assembly

Parts Needed:

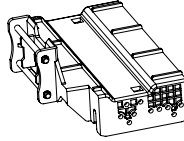
From the HEIGH10 Box:



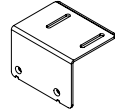
HEIGH10 Display



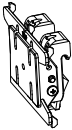
Radio Module



Plastic Mounting Bracket



Metal Mounting Bracket



Display Mounting Clamp



M4 x 6 Screws (4)

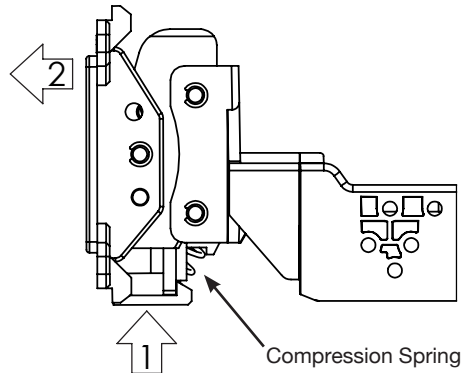


M4 x 12 Screws (4)



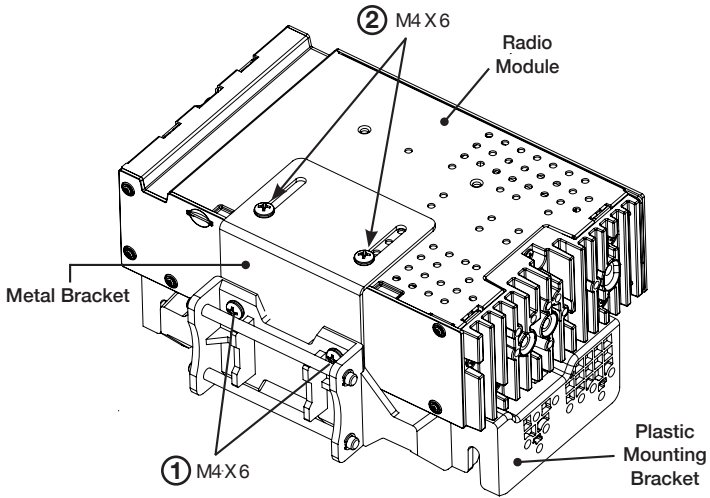
M5 x 10 Screws (2)

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).



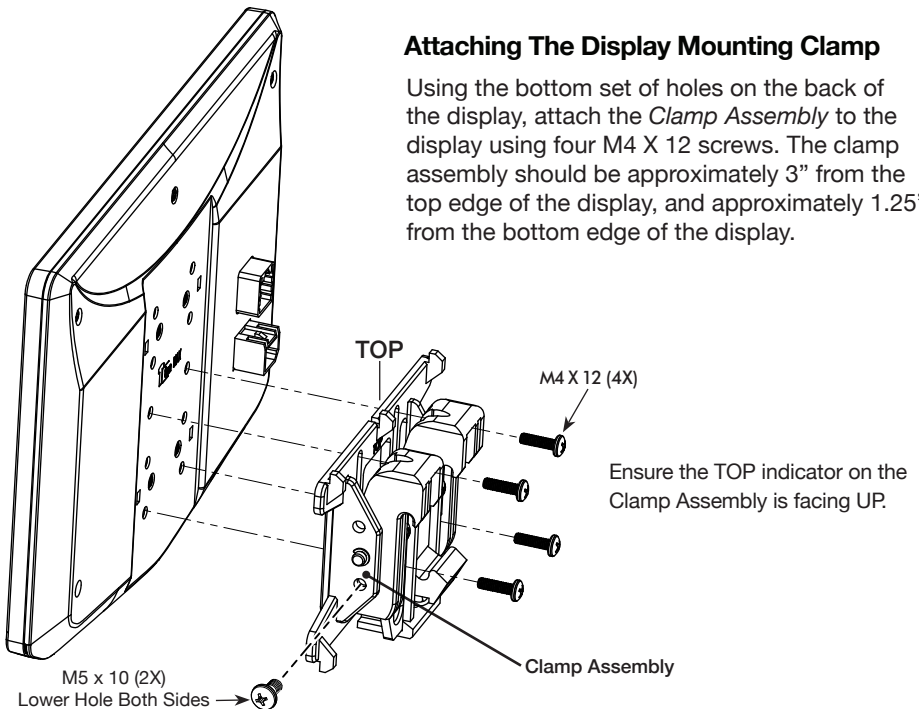
Radio & Display Assembly

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).

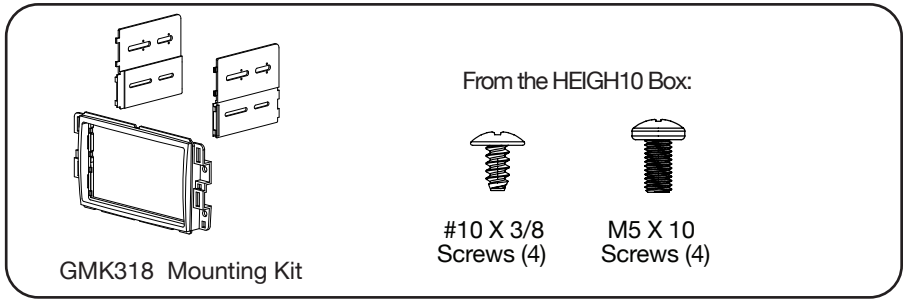


Attaching The Display Mounting Clamp

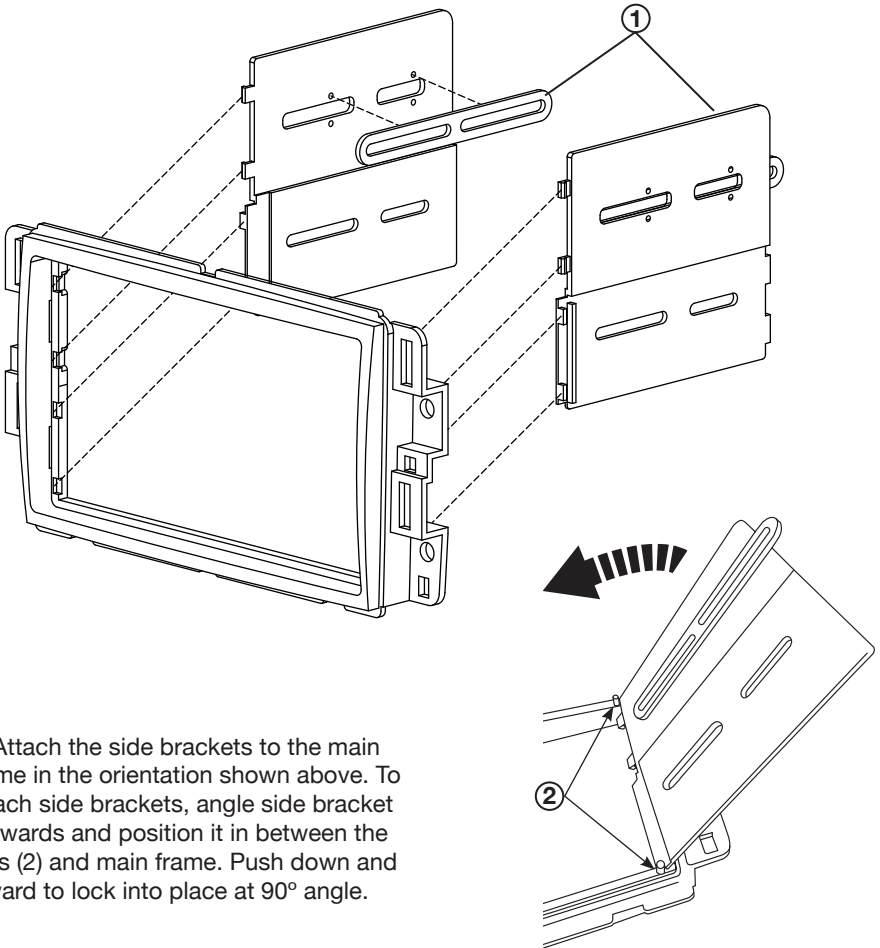
Using the bottom set of holes on the back of the display, attach the *Clamp Assembly* to the display using four M4 X 12 screws. The clamp assembly should be approximately 3" from the top edge of the display, and approximately 1.25" from the bottom edge of the display.



Mounting Kit Assembly



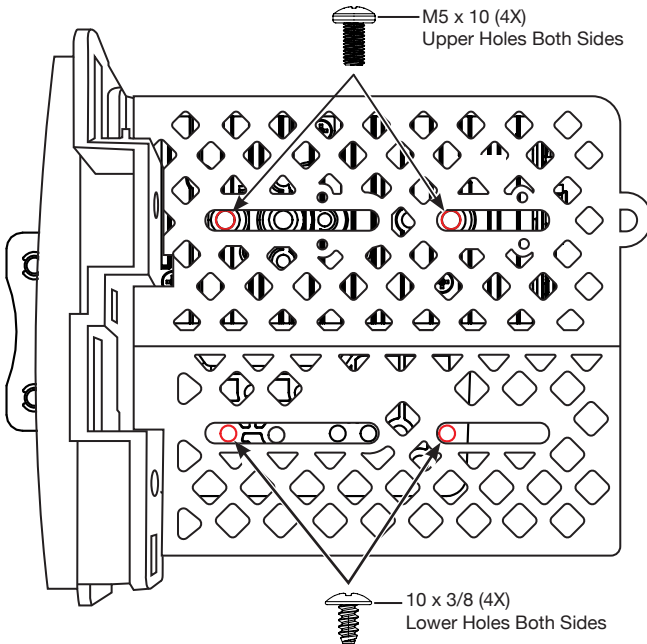
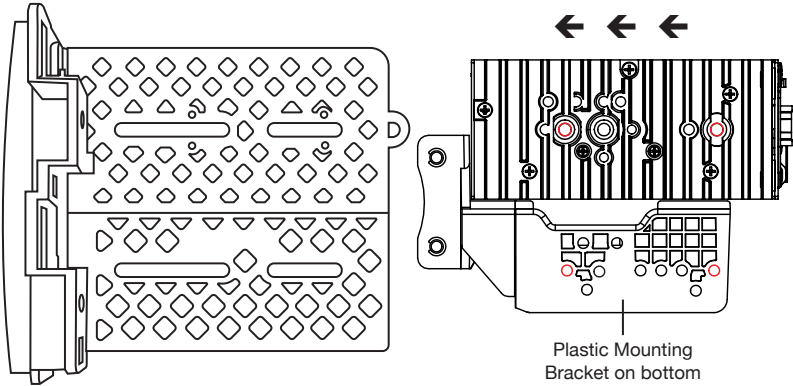
1. Align the pins on the slotted spacers with the holes on the inside of the side brackets and snap into place.



2. Attach the side brackets to the main frame in the orientation shown above. To attach side brackets, angle side bracket outwards and position it in between the pins (2) and main frame. Push down and inward to lock into place at 90° angle.

Mounting Kit Assembly

3. Slide the HEIGH10 radio assembly into the mounting kit from the back.



4. Align the mounting holes as shown in Red. Loosely install specified screws in each location on both sides. Check alignment of radio assembly and tighten all screws.

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 RP5-GM31 Box:

- ▶ Radio Power Audio Harness (RP5-RADPWRAUDIO)
- ▶ 14/16 Pin Vehicle Interface Harness (OS-GMLAN29 V2)
- ▶ 4 Pin SWC* Harness (Optional)

** SWI and SWC are Steering Wheel Control harnesses*

Referencing FIG A at right:

1. Connect the wires from the HEIGH10 16 Pin Power/Speaker Harness to the RP5 GM31 harnesses as shown. The majority of the wire connections will match color-for-color.

Note: There are two Yellow wires and two Black wires on the RP5 harnesses. Connect both Yellow wires to Yellow on the HEIGH10 harness and both Black wires to Black on the HEIGH10 harness.

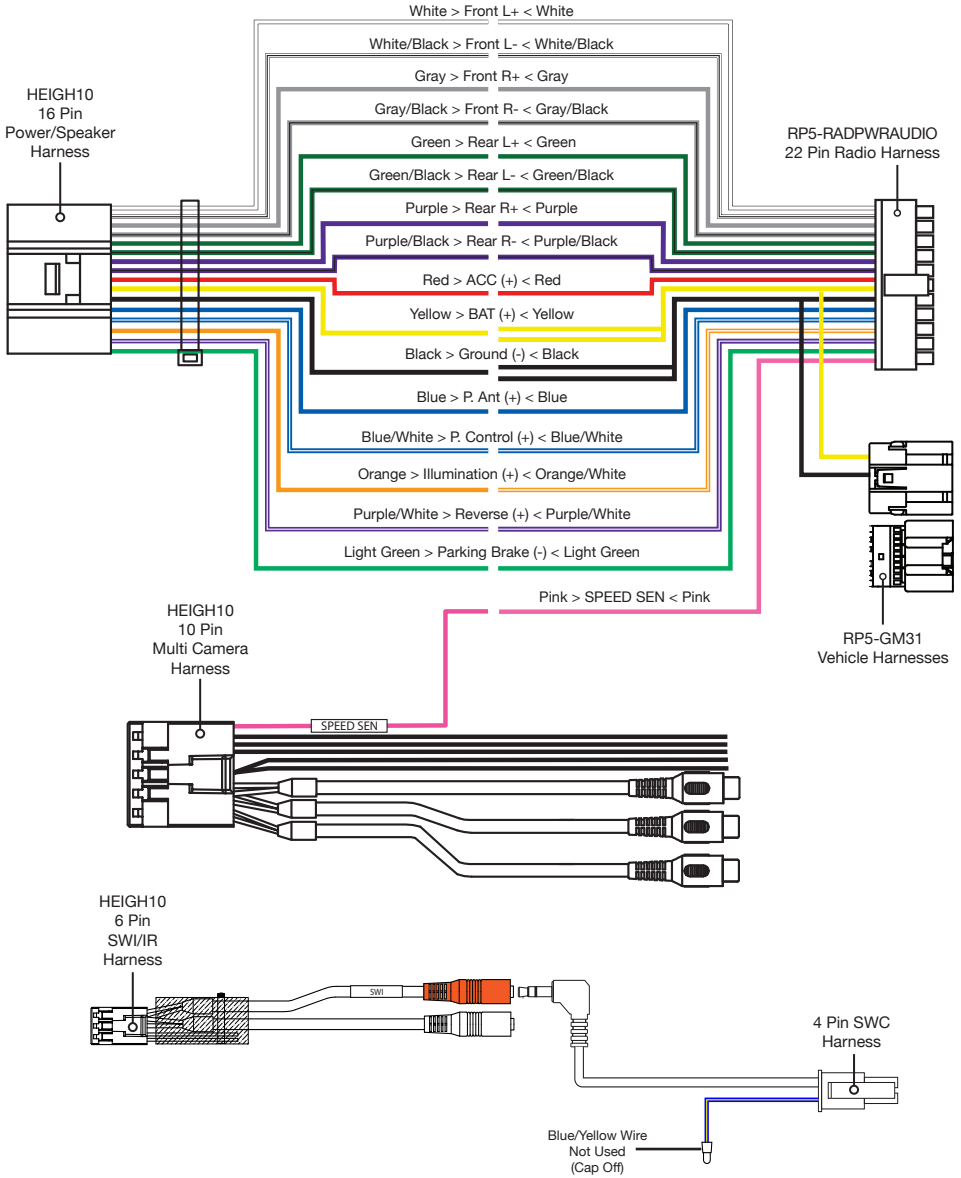
2. Optional Speed Sense Wire: If adding a front camera or HEIGH10 Navigation Card, connect the Pink wire labeled SPEED SEN on the HEIGH10 10 Pin Multi-Camera Harness to the Pink wire on the RP5 harness. Cap-off/insulate if not using.

3. Optional Steering Wheel Controls: Plug the 3.5mm mini headphone jack on the RP5 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



Harness Connections

Parts Needed:

- 1-3 Harnesses from Page 11
- Radio/Mounting Kit Assembly from Page 9

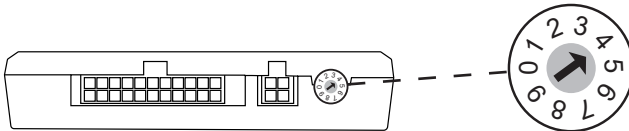
From the HEIGH10 Box:

- ▶ 8 Pin Display Power Harness
- ▶ LVDS Display Video Cable (Blue USB type)
- ▶ 24 Pin A/V Harness

From the RP5-GM31 Box:

- ▶ RP5-GM31 Control Module
- ▶ CMX Chime Module
- ▶ BAA22 Antenna Adapter
- ▶ 16 Pin Brown AV Harness (Optional)

Using a small flat blade screwdriver or similar, set the dial on the side of the RP5-GM31 module to Number 4. Remove the sticker covering the 22 Pin plug on the other side.



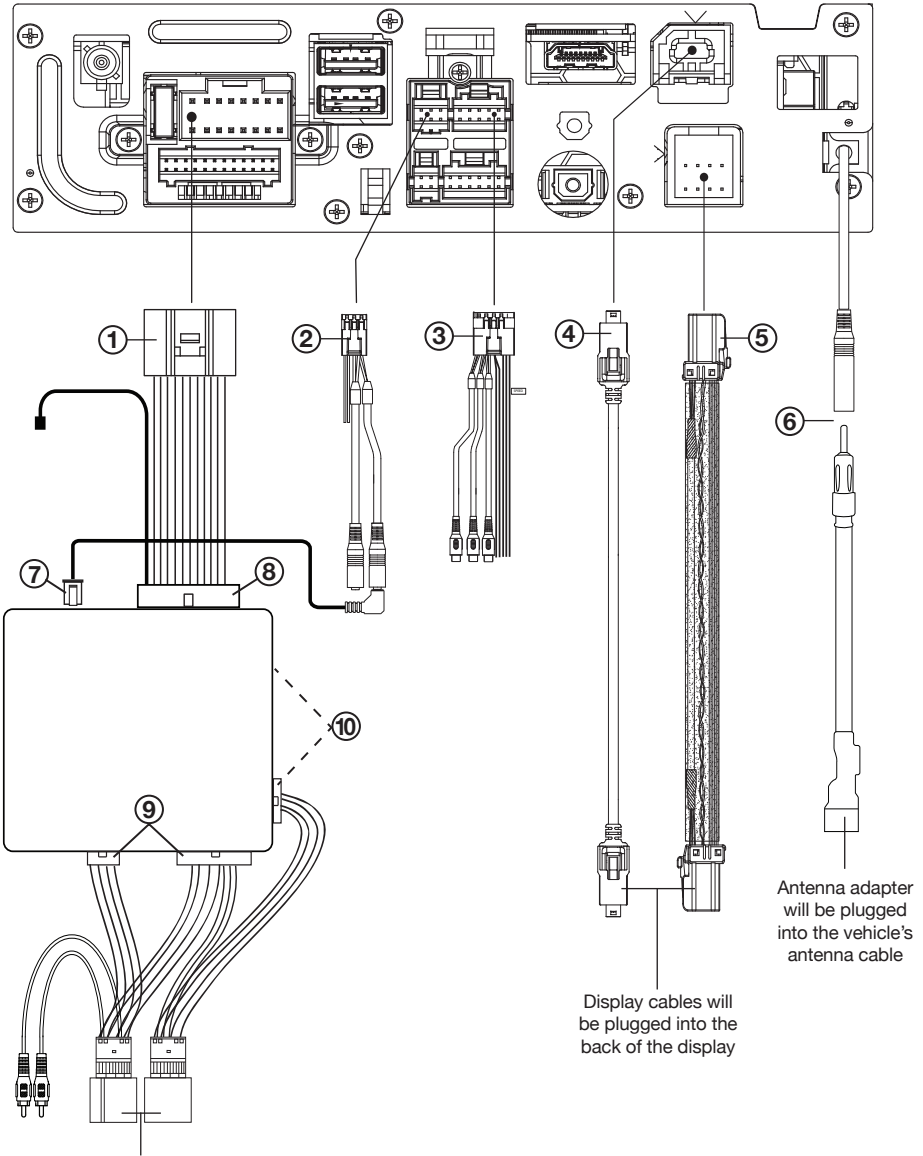
Referring to FIG B at right, make the following connections:

1. Plug in the 16 Pin Power/Speaker Harness
2. Plug in the optional 6 Pin SWI/IR Harness
3. Plug in the optional 10 Pin Multi Camera Harness (SPEED)
4. Plug in the LVDS Display Video Cable (Blue USB type)
5. Plug in the 8 Pin Display Power Harness
6. Plug the BAA22 Antenna Adapter into the antenna connector
7. Plug in the optional 4 Pin SWC Harness into the RP5 module
8. Plug the 22 Pin Radio Harness into the RP5 module
9. Plug in 14 Pin and 8 Pin Vehicle Harnesses into the RP5 module
10. Plug in the 16 Pin Vehicle Harness. There are two positions, for Bose plug into Amplified Factory Audio, all others use Non Amplified

Harness Connections

FIG B

Back of Radio Module. Mounting Kit and Plastic Bracket not shown



Antenna adapter will be plugged into the vehicle's antenna cable

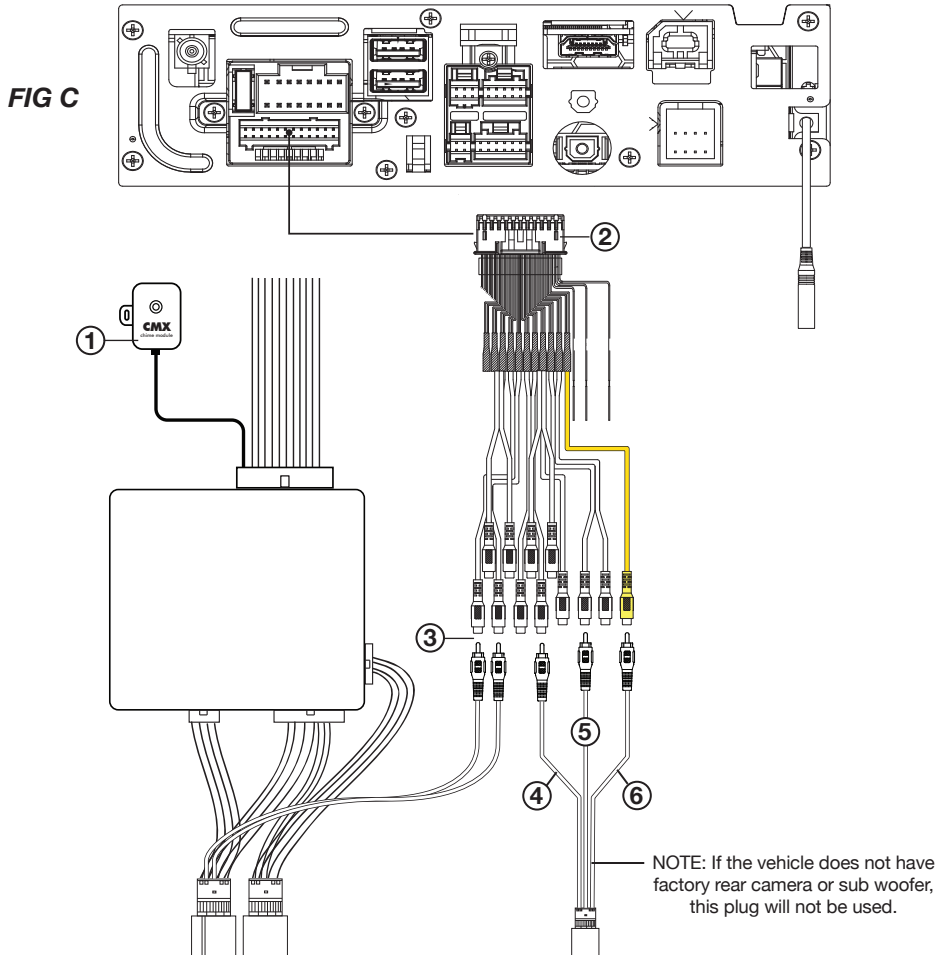
Display cables will be plugged into the back of the display

The two vehicle plugs will be connected to the matching two plugs removed from the factory radio

Harness Connections

Referring to FIG C below, make the following connections:

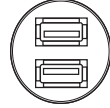
1. Plug in the CMX Chime Module
2. Plug in the HEIGH10 24 Pin AV Harness
3. Connect the optional XM Audio Red & White RCA cables from the RP5 to the AUX IN RCA cables on the 24 Pin AV Harness
4. Connect the optional CENTER cable from the RP5 Brown Connector to either FRONT OUT (GRAY) cable on the 24 Pin AV Harness
5. Connect the optional SUB cable from the RP5 Brown Connector to the either SUB OUT cable on the 24 Pin AV Harness
6. For vehicles equipped with factory rear camera, plug in the CAMERA cable from the RP5 Brown Connector into the REVERSE CAMERA IN on the 24 Pin AV Harness



USB Extension

Parts Needed:

- SSUSB2 Dual USB Extension



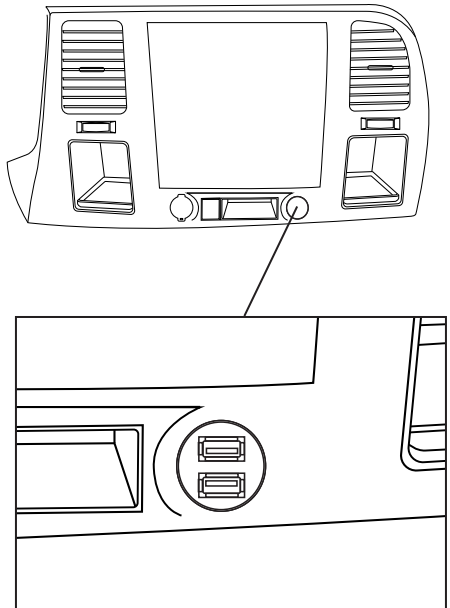
Apple CarPlay, Android Auto, and any Firmware Updates require access to a USB port. The SSUSB2 is designed to extend the USB ports on the back of the HEIGH10 to where they are accessible once the radio is installed.

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

1. From the backside of the radio trim panel, use a pick tool to release the two retaining tabs on the factory power receptacle. Push receptacle from the backside out the front to remove. Remove trim ring and cover.

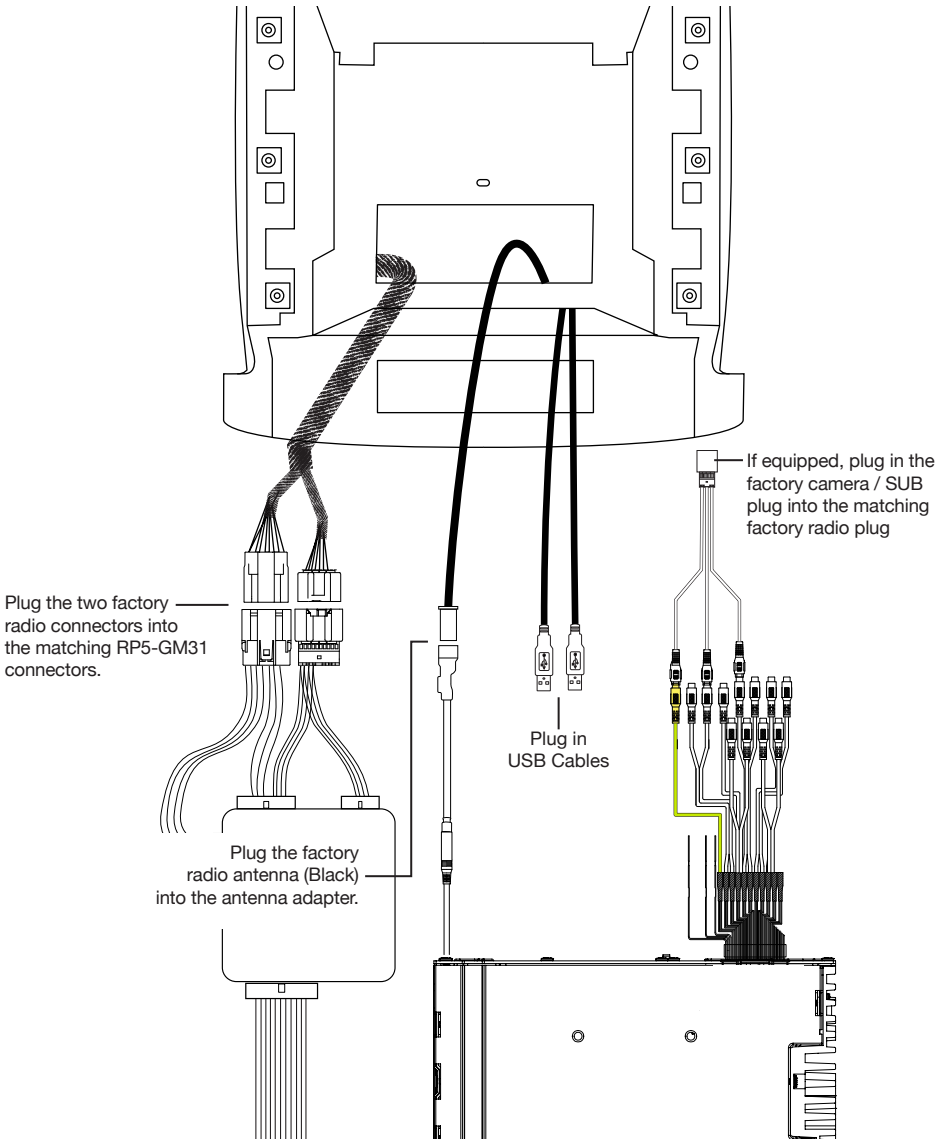
2. Feed the 2 USB cables from the dual USB port through the opening. Thread the cables through the locking nuts and tighten nuts. Tighten the first nut, then tighten the second nut to prevent rotation.

3. Set the panel inside the vehicle and route the two USB cables to the inner dash where the radio will be mounted.



Vehicle Installation

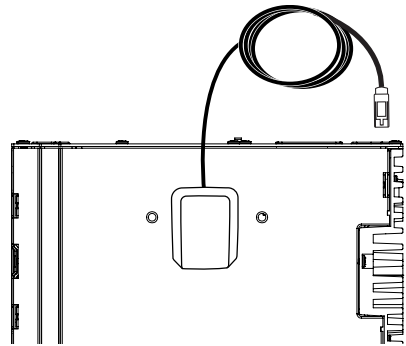
1. Inside the vehicle with the HEIGH10 radio/mounting kit assembly, the display and GPS Antenna, connect the following:



Note: Mounting kit and some harnesses not shown for illustration purposes.

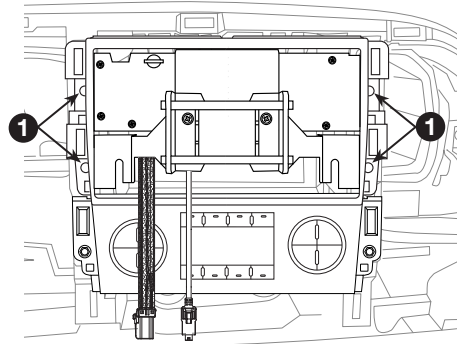
Vehicle Installation

2. Plug in the GPS Antenna and place the antenna on top of the radio module.



3. After all connections are complete, bundle and secure excess wire and cables in the area behind the radio and climate controls. The Chime Module should be placed in a location that will be audible when the radio is installed.

4. With the two display cables routed to the front, carefully slide the radio assembly into place.



Reinstall the four 7mm screws (1) removed from the factory radio.

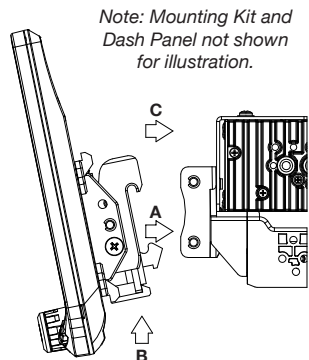
Before finalizing the installation and reassembling the vehicle, we recommend connecting the display and running the Function Test on Page 18.

5. 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

C - Hook the top hooks on the upper rail



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/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. Remove the display (Page 6) and unplug display cables.
2. Reinstall the climate controls with two 7mm screws.
3. Lower Radio Models: Reinstall the lower switch/power outlet panel with two 7mm screws.
4. Install the radio/climate control trim panel.

Upper Radio Models: Plug in the factory power receptacle and/or switches on radio trim panel. Install the radio trim panel starting at the bottom. Ensure the bottom edge of the panel is under the lower dash panel and then push to lock lower retaining clips and move upward locking all retaining clips.

Lower Radio Models: Align radio/climate trim panel, push to lock all retaining clips in place.

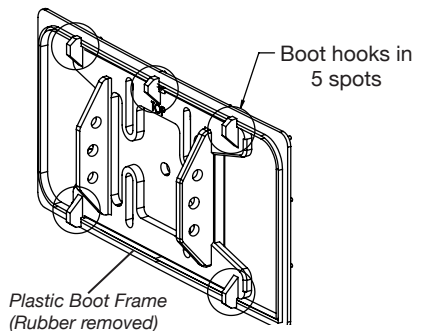
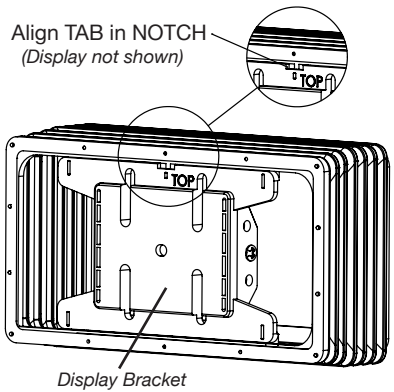
Before mounting the display, the optional rubber boot can be used to hide the display bracket and cables.

4. 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.

5. Plug in the two display cables and attach the display (Page 17).





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Email: support@aampglobal.com
Chat: [stingerelectronics.com](https://www.stingerelectronics.com)

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