SR-GM14H

Stinger HEIGH10® Radio Replacement Kit
for select 2014-2019 Silverado/Sierra Truck

Introduction and Features

The SR-GM14H is a complete radio replacement kit for the installation of the Stinger HEIGH10® modular radio in Chevrolet Silverado and GMC Sierra trucks. All modules, cables and adapters are included to retain important features of the factory system, including: OnStar, front and rear park assist, warning chimes, factory reverse camera, steering wheel-mounted radio controls and 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 flush 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. Does not retain the following factory features:
   - Factory satellite radio
   - Rear seat entertainment system (RSE)
   - Steering wheel control backlighting
   - Factory USB Ports
2. Not compatible with vehicles equipped with Bose amplified audio system.
3. Please make your vehicle settings selections before removing the factory radio for optimal installation time. Once the radio has been removed, the vehicle settings which are normally selected through the factory radio can be accessed and changed by downloading and installing the PAC Vehicle Settings program from http://www.pac-audio.com/firmware
4. The Voice button can be set to activate the factory OnStar function when pressed for longer than 1.5 seconds or given the ability to control the aftermarket radio. This option can be found in the PAC Vehicle Settings program mentioned above in note three. The default setting for this button is to control the factory OnStar. If this button is set to control the aftermarket radio, OnStar can still be accessed by using the mirror controls.

Recommended Tools

Plastic Panel Tool	*Ratchet*	*Pick Tool*
7mm Socket	*Torx T15 Screwdriver*	*Wire Feeder*
10mm Socket	*Small Flat-blade Screwdriver*	*Power Screwdriver*

Included Components

1. ***HEIGH10 Display Mounting Panel***
2. ***Dual USB Extension (SSUSB2)***
3. ***AM / FM Antenna Adapter (BAA22)***
4. ***Satellite Antenna Adapter (SAT-01)***
5. ***Main Harness (SR-GM14H-HAR-A)***
6. ***Vehicle Side Harness B (SR-GM14H-HAR-B)***
7. ***Vehicle Side Harness C (SR-GM14H-HAR-C)***
8. ***Radio Replacement Interface (RP5-GM51)***
9. ***Steering Wheel Control Harness (GM5LIN-SW-HAR)***
10. ***Factory Rear Camera Adapter (CAM-GM51)***
11. ***IOB Display Harness (GM5CAM-DIS-HAR)***
12. ***Chime Module (CMX)***
13. ***Differential Video Adapter (RPA-VA1)***
14. ***Side Mounting Brackets (L & R)***

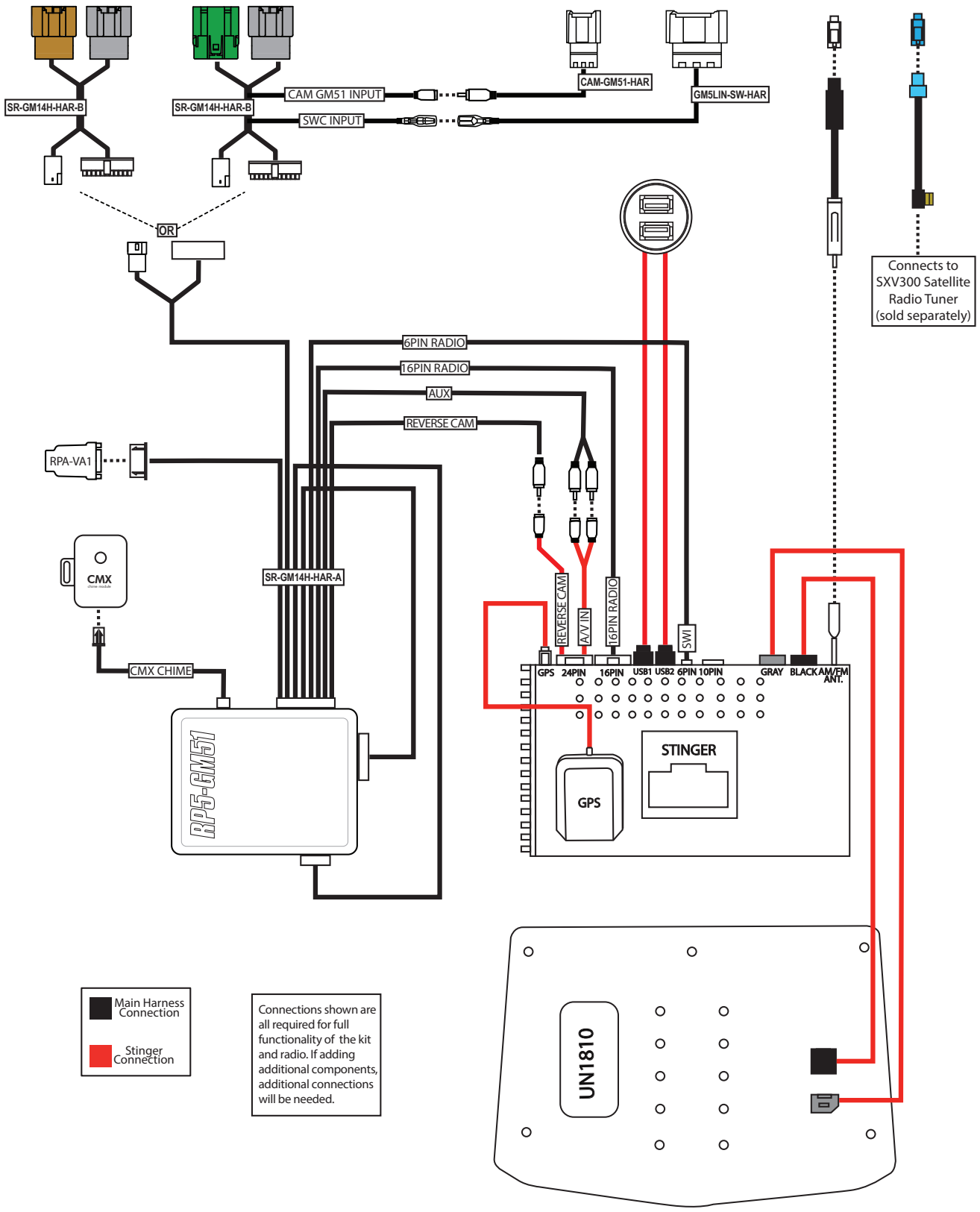
NOTE: Along with the SR-GM14H components, additional hardware and wire harnesses from the HEIGH10 (UN1810) kit will also be used in the installation.



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Rev: V2
Date: 121323

Wiring Overview

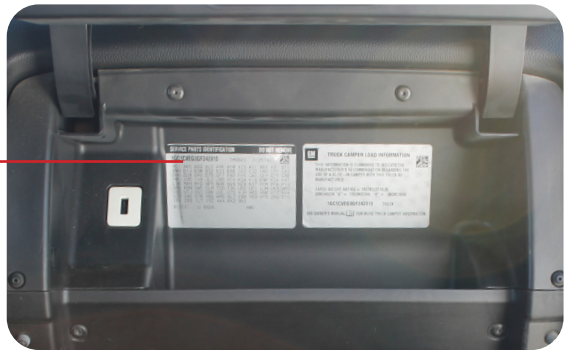


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Factory Radio Code

Before starting, determine the vehicle's factory audio system by referencing the Service Parts Identification sticker inside the upper glove box.

One of these RPO codes will be listed:
IO3, IO4, IO5, IO6 or IOB



The installations are very similar for each type of factory audio system, but there are differences referenced throughout this guide.

Note: The installation shown in this guide is IO5 with factory rear camera and steering wheel controls.

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 and Preparation, Interface and Main Harness Connections, Display Mounting Panel Preparation, Radio Module Preparation and Radio Unit Installation.

The installation steps shown are all required for full functionality of the radio. If adding additional components; cameras, amplifiers, satellite radio, etc., additional steps and harnesses will be needed.

Section 1: Disassembly

Part One: Center Dash Disassembly



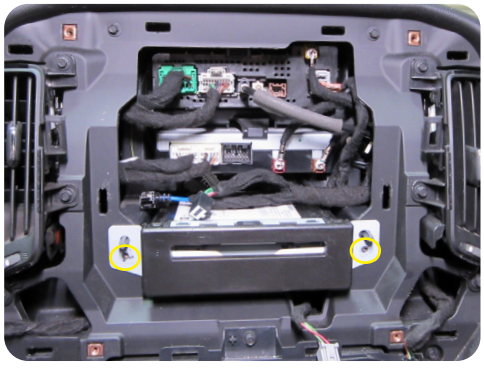
Step 1

Remove the radio display/climate control trim panel using a plastic trim tool to release the retaining clips. Unplug any wire harnesses from the back of the trim panel, if equipped.



Step 2

Remove the four 7mm screws securing the radio display/climate control panel. Pull outward to release the retaining clips. Remove all connectors from the back of the panel.



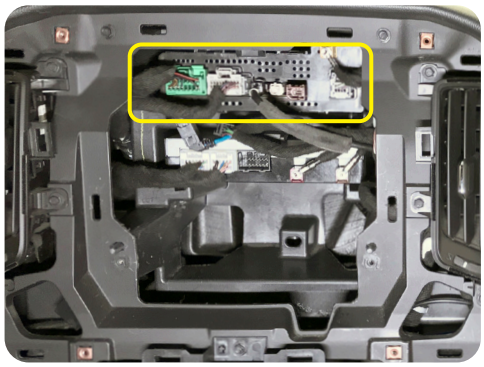
Step 3

If equipped, remove the two 7mm screws from the CD/DVD mechanism, remove and unplug. (This plug will not be reconnected).

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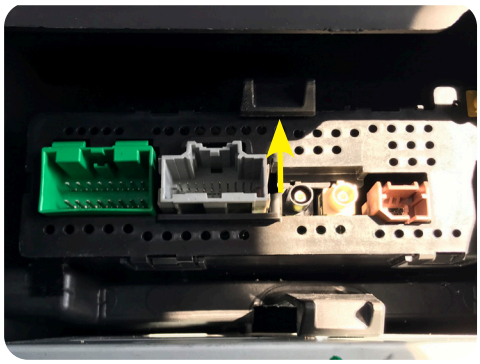
Section 1: Disassembly (cont.)

Part One: Center Dash Disassembly (cont.)



Step 4

Unplug all connectors and cables from the upper radio module shown.



Step 5

Remove the upper radio module by pushing upward on the locking clip and pulling outward on the module.

Part Two: Lower Storage Compartment Removal



Step 1

Remove the two Torx T15 screws from the bottom edge of the storage compartment.



Step 2

Remove the upper Torx T15 screw inside the storage compartment.



Step 3

Using a panel tool or similar, release the top retaining clips and remove the storage assembly.

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Section 1: Disassembly (cont.)

Part Three: Glove Box Removal (Optional)

If the vehicle is equipped with IO4, IO5 or IO6 radio AND a factory rear camera, follow the steps below to remove the glove box. For IO3 and IOB vehicles, or no factory rear camera, proceed to Part Four.



Step 1

Remove the two Torx T15 screws from the bottom edge of the lower glove box.



Step 2

Open the upper and lower glove box doors and remove the two Torx T15 screws securing the lower glove box.



Step 3

Pull outward on the lower glove box to release the retaining clips and remove the lower glove box.



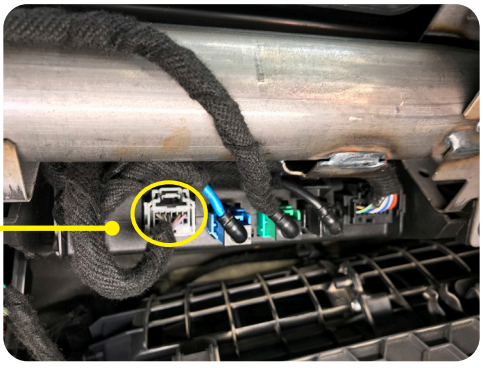
Step 4

Remove the two Torx T15 screws and pull to remove the upper glove box. Unplug the factory USB port from the backside.



Step 5

Up, behind the metal bar running across the inner dash, locate the HMI Module; black module with multiple colored plugs facing down.



Step 6

Unplug the gray 12 pin camera harness from the HMI module.

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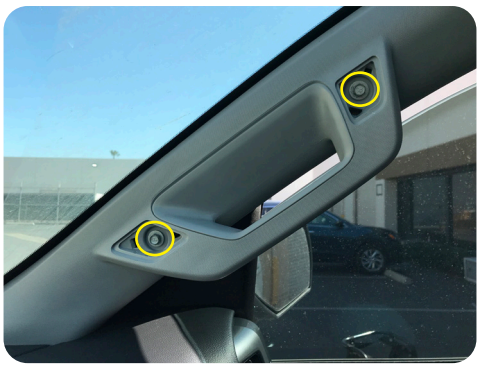
Section 1: Disassembly (cont.)

Part Four: A Pillar Removal



Step 1

Remove the inserts covering the bolts on the passenger A pillar handle.



Step 2

Remove the two 10mm bolts.

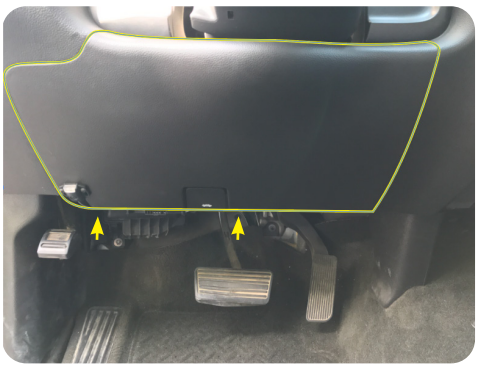


Step 3

Pull the trim panel to release the retaining clips and remove.

Part Five: Lower Steering Column Cover Removal (Optional)

If the vehicle is equipped with IO3, IO4, IO5 or IO6 radio AND steering wheel controls, follow the steps below to remove the lower steering column cover. For IOB vehicles or no steering wheel controls, proceed to Section Two on next page.



Step 1

Remove the two Torx T15 screws from the bottom edge of knee panel below the steering column. Pull outward to remove the panel and lay carefully on the floor board.



Step 2

Remove the plastic handle from the steering wheel tilt lever by pulling outward, towards the driver's door on the handle. A trim tool may also be used if unable to remove by hand.



Step 3

Pull downward on the lower cover on both sides to release the locking tabs and remove the lower cover.

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Section 2: In-Vehicle Harness Connections and Preparation

Part One: Dual USB Extension (SSUSB2)

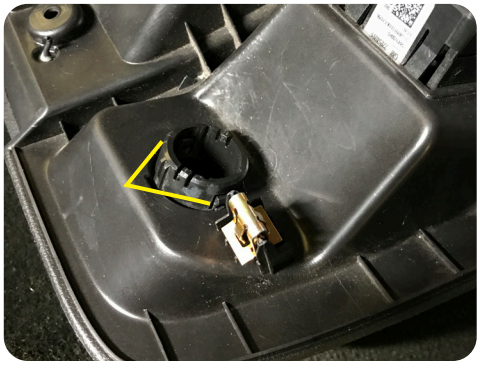
Apple CarPlay, Android Auto, and any Firmware Updates require access to a USB port. The SSUSB2 is designed to extend the USB ports on the back of the HEIGH10 to where they are accessible once the radio is installed.

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. Please note, the factory USB ports will no longer function after the factory radio is removed.



Step 1

From the backside of the lower storage compartment, remove the metal insert from the power outlet by releasing the two retaining clips with a small pick and pushing out the front side.



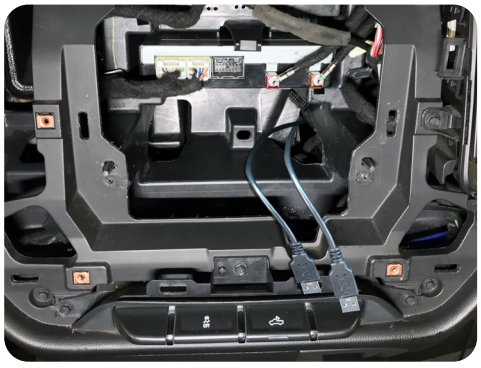
Step 2

Remove the plastic sleeve by depressing the two tabs and pushing out the front.



Step 3

Install the optional USB cover and feed the USB cables through the front of the panel. Secure with the flanged nut and then lock with the lock nut.



Step 4

Route the USB cables up and out of the right side opening at the rear of the CD/DVD opening.

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Section 2: In-Vehicle Harness Connections and Preparation (cont.)

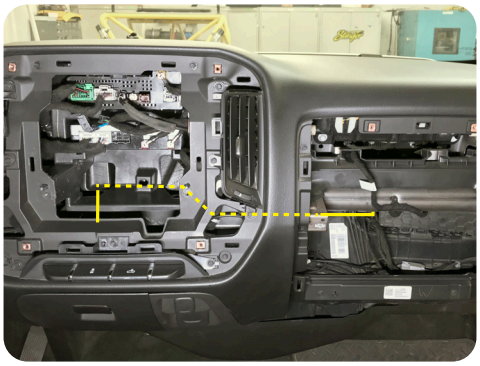
Part Two: Factory Rear Camera Retention Harness (CAM-GM51-HAR)

If the vehicle is equipped with IO4, IO5 or IO6 radio AND a factory rear camera, follow the steps below to install the factory camera retention harness behind the glove box. For IO3 and IOB vehicles, or no factory rear camera, proceed to Part Four.



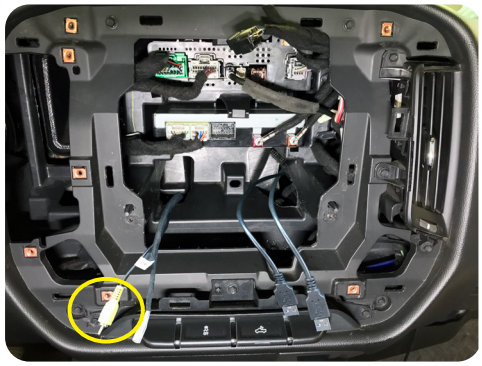
Step 1

Plug the gray 12 pin camera harness from the HMI module into the CAM-GM51-HAR.



Step 2

Route the yellow RCA end of the camera cable to the radio opening. Secure plug and cable with zip ties.

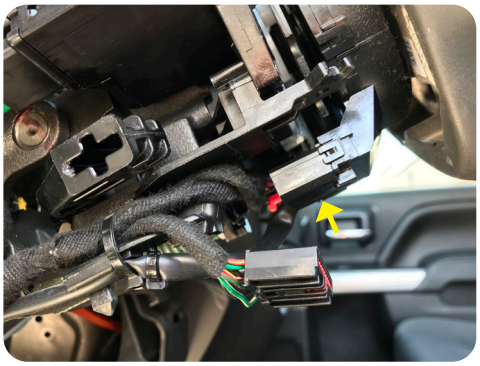


Step 3

Route the camera RCA out of the left side opening at the rear of the CD/DVD opening.

Part Three: Steering Wheel Control (SWC) Retention Harness (GM5LIN-SW-HAR)

If the vehicle is equipped with IO4, IO5 or IO6 radio AND steering wheel controls, follow the steps below to install the SWC retention harness at the steering column. For IO3 and IOB vehicles, or no steering wheel controls, proceed to Part Four.



Step 1

Locate and unplug the black 10 pin connector located on the underside of the steering column.



Step 2

Plug the male connector into the female end of the GM5LIN-SW-HAR and plug the GM5LIN-SW-HAR male end into the female connector on the steering column.



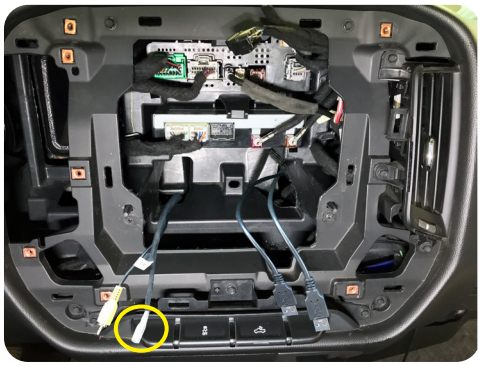
Step 3

Secure the T-harness to the factory wire harness. Route the 50” single lead from the GM5LIN-SW-HAR to the radio opening, securing with zip ties.

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Section 2: In-Vehicle Harness Connections and Preparation (cont.)

Part Three: Steering Wheel Control (SWC) Retention Harness (cont.)



Step 4

Route the steering wheel control lead into the CD/DVD area through the left side opening in the rear of the cavity.

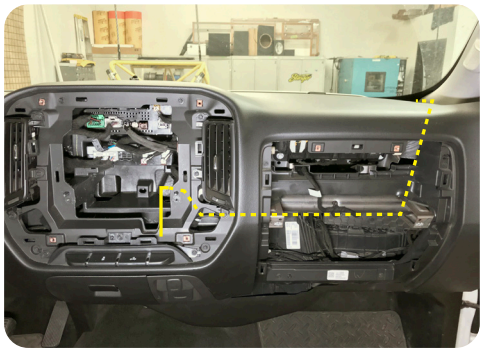
Part Four: GPS Antenna

The GPS antenna is required for proper operation of Apple CarPlay and Android Auto, in addition to the optional GPS if installed. The GPS antenna is included in the HEIGH10 hardware.



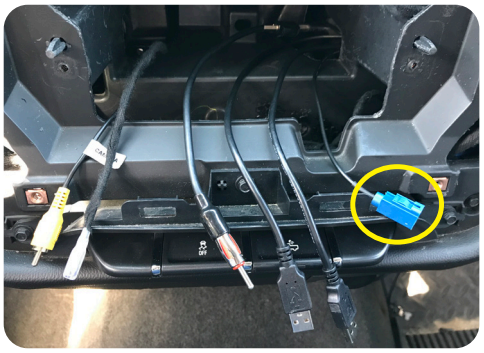
Step 1

Position the GPS antenna and route the antenna cable down into the glove box area. Replace the A pillar panel and ensure the cable does not interfere or get pinched.



Step 2

Continue routing the GPS cable across the inner dash towards the radio opening securing with zip ties.



Step 3

Route the GPS cable into the CD/DVD area through the right side opening at the rear of the cavity.

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Section 3: Interface and Main Harness Connections and Preparation

Part One: RP5-GM51 Radio Interface Connections



Step 1

Using a small flat-blade screwdriver or similar, set the Radio Select Dial on the side of the RP5-GM51 to Number 4.



Step 2

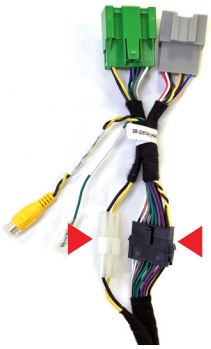
Remove the warning sticker on Vehicle Connections port on the other side of the RP5-GM51 module.



Step 3

Connect the four connectors from the SR-GM14H-HAR-A Main Harness to the indicated ports on the RP5-GM51 module.

Part Two: Main Harness Connections (SR-GM14H-HAR-A)



Step 4A

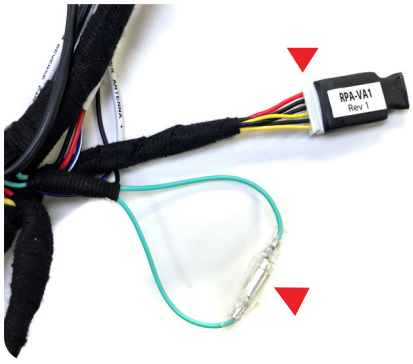
For IO3, IO4, IO5 and IO6 radios, connect the white 2-pin and the black 18-pin of the SR-GM14H-HAR-B to the Main Harness.

OR



Step 4B

For IOB radios, connect the white 2-pin and the black 18-pin of the SR-GM14H-HAR-C to the Main Harness.



Step 5

Plug the 6-pin lead on the Main Harness into the RPA-VA1.

Connect the male and female ends of the Light Green leads together.

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Section 3: Interface and Main Harness Connections and Preparation (Cont.)

Part Two: Main Harness Connections (SR-GM14H-HAR-A) (Cont.)



Step 6

Connect the HEIGH10's 24 pin AV Harness AUX IN to AUX on the Main Harness. Connect REVERSE CAMERA IN to REVERSE CAM.



Step 7

Connect the CMX Chime Module to the 2 pin CMX Chime connector on the Main Harness.

Section 4: Display Mounting Panel Preparation

Part One: Transferring the Climate Controls



Step 1

With the factory radio display / climate control panel face down, apply slight pressure to the front of the controls while releasing the locking tabs around the perimeter.



Step 2

Once all the clips are released, remove the climate controls from the factory bezel.



Step 3

Align the controls in the HEIGH10 mounting panel and push to seat and lock all the retaining clips.

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Section 4: Display Mounting Panel Preparation (Cont.)

Part Two: Mounting the Display



Step 1

Insert the display into the front of the mounting panel and carefully turn the panel over while holding the display in place.

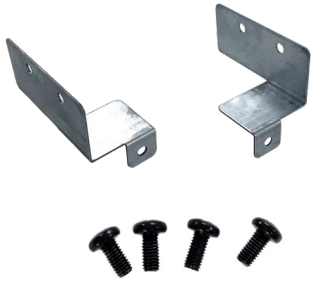


Step 2

Attach the display to the panel using four M4 x 12 screws.

Section 5: Radio Module Preparation

Part One: Radio Module Side Brackets



Step 1

Locate the two side brackets and four M5x10 screws.



Step 2

Using two M5x10 screws attach one side bracket as shown above.



Step 3

Using two M5x10 screws attach the other side bracket as shown above.

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Section 6: Radio Unit Installation

Part One: Mounting the Radio Module



Step 1

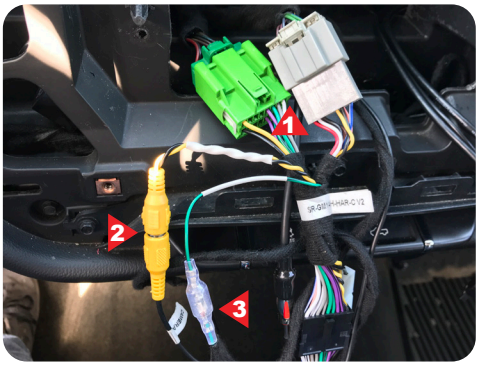
From the HEIGH10 box, connect the LVDS (Blue USB) and 10 pin display cables to the Radio Module.



Step 2

Inside the truck, slide the HEIGH10 radio module into the upper compartment until the bracket tabs contact the sub dash. Secure with supplied #8 x 1/2" screws.

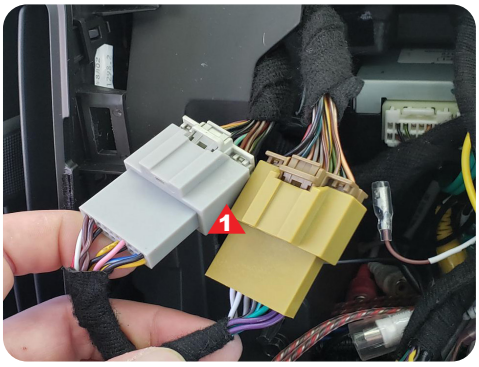
Part Two: In-Vehicle Harness and Cabling Connections



Step 1A

IO3, IO4, IO5, IO6: Connect the Green and Gray vehicle side plugs (1) on the RP5 Main Harness to the matching plugs in the vehicle.
IO4, IO5, IO6: If equipped, connect the Yellow CAM-51 Input RCA to CAMERA RCA (2) and connect the male green/black SWC Input to the female SWC lead (3).

OR



Step 1B

IOB:
Connect the Mustard and Gray vehicle side plugs (1) on the RP5 Main Harness to the matching plugs in the vehicle.



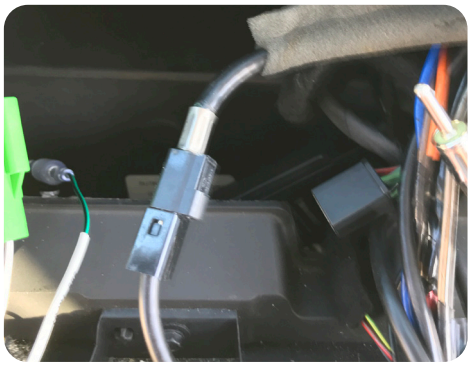
Step 2

2018-19 IOB Only:
Plug the 20 pin harness that was removed from the factory display into the GM5CAM-DIS-HAR.

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Section 6: Radio Unit Installation (Cont.)

Part Two: In-Vehicle Harness and Cabling Connections (Cont.)



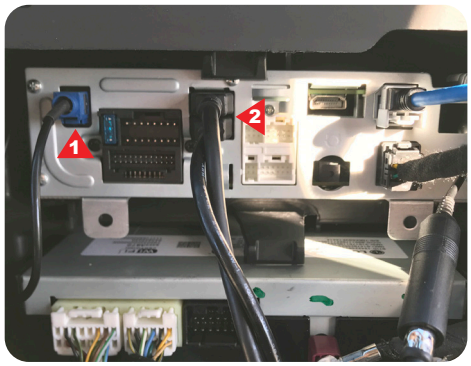
Step 3

Connect the BAA22 Antenna Adapter to the black factory antenna cable.



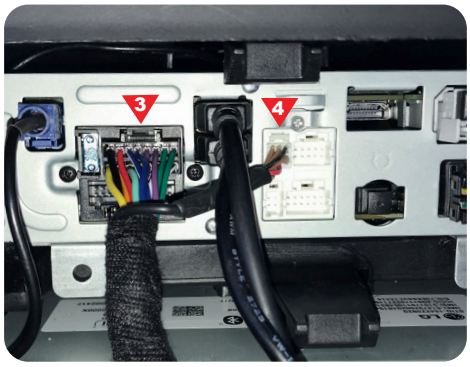
Step 4

Plug the other end of the BAA22 Antenna Adapter into the HEIGH10's AM/FM antenna port.



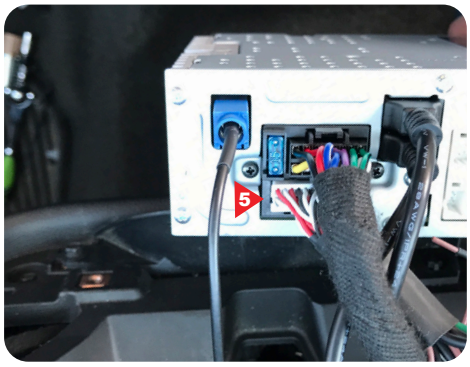
Step 5

Connect the GPS antenna (1) and the two USB cables (2) to the radio module.



Step 6

On the SR-GM14H-HAR-A Main Harness, plug in the HEIGH10's 16 pin Main Harness (3) and 6-pin SWI (4).



Step 7

Connect the 24-pin A/V harness (5) to the radio module.

These are the connections for a typical installation. If adding additional cameras, amplifiers or satellite radio, those connections should be made at this point.

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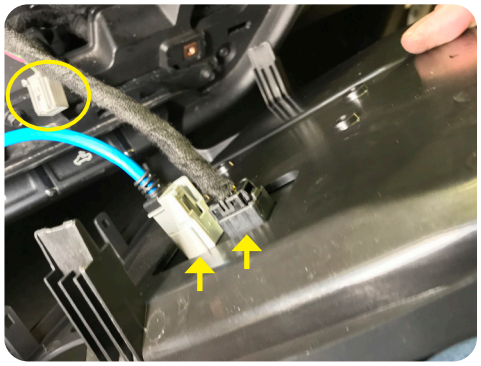
Section 6: Radio Unit Installation (Cont.)

Part Two: In-Vehicle Harness and Cabling Connections (Cont.)



Step 8

Zip tie the Chime Module (1) in a suitable location. Use the supplied two-sided tape to secure the RP5 interface (2) in the lower CD/DVD cavity.



Step 9

Plug the two display cables into the back of the HEIGH10 display. Re-connect the factory climate control connector to the climate controls.



Step 10

Place the mounting panel in place and temporarily secure it with two 7mm screws.

Before reassembly, it is recommended to power up the radio and check the chime volume* and all other functionality...

Volume, Balance, Fade
Steering Wheel Controls
AM/FM Reception
Bluetooth
USB
Apple Carplay
Android Auto
Camera(s)

* The Chime Module has a 4 position volume selector on the side. Setting 1 being the loudest and 4 being the quietest.

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Product Updates (Firmware)

Firmware Updates (RadioPRO)

The PAC RP5-GM51 interface can be updated with new firmware as it becomes available using the PAC-UP interface updater (sold separately). Please visit www.PAC-audio.com/firmware for available updates.

Firmware Updates (Stinger Radio and PAC Application APK)

To update the HEIGH10 radio firmware and PAC Application APK firmware, refer to the HEIGH10 product page:
www.stingerelectronics.com/products/heigh10

Reset / Restoring Interface Factory Settings

You can restore the RadioPRO interface module to factory default settings by pressing and holding the programming button on the side of the module until the status LED starts blinking red. Once the LED starts blinking red, release the button. You must release the button while the LED is blinking red in order to perform the reset. This reset will restore all settings to factory defaults.

Technical Support

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