Stinger ix210 HORIZON10 / HEIGH10+

SRK-GM14HX
Radio Replacement Kit for select 2014-2019 Silverado/Sierra Trucks

Introduction and Features

The SRK-GM14HX is a complete radio replacement kit for the installation of the Stinger ix210 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)
   - Time of Day in Cluster
   - Factory USB Ports
   - Valet Mode
   - Teen Driver Features
   - OnStar Text
   - Wi-Fi
2. If installing aftermarket amplifiers, the included RPA-SPK can be used to retain OnStar/chimes.
3. Chime volume can be adjusted in the ix210 settings
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 Installer Settings on the ix210. By default, this feature is set to control the aftermarket radio, but OnStar can still be accessed by using the mirror controls.
5. For the HORIZON10 Display to be waterproof, you must install 6 waterproof plugs to the back of the touch panel display in the screw holes not used for mounting. Not applicable to HEIGH10+
6. This guide is applicale to ix210 (HORIZON10 / HEIGH10+) radios. For UN1810 (HEIGH10) radios, see the HEIGH10 Installation Guide

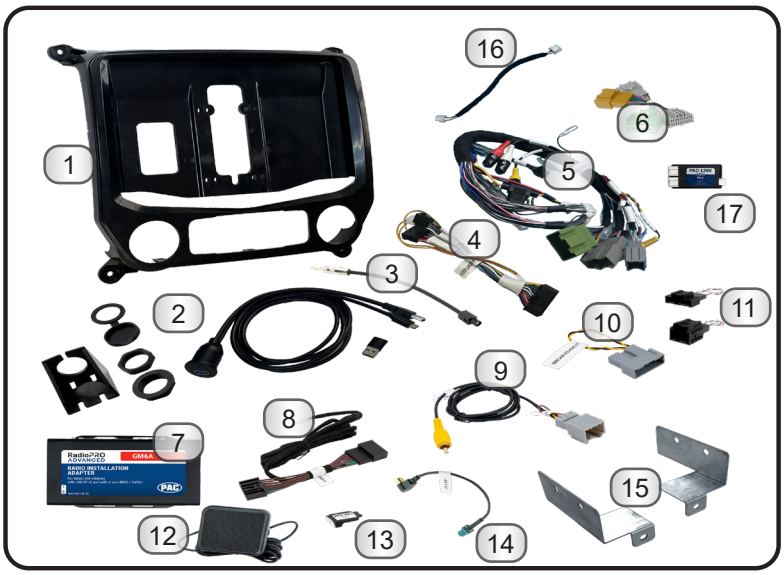
Recommended Tools

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

Included Components

1. ***Display Mounting Panel***
2. ***Dual USB Extension (SSUSB3)***
3. ***AM / FM Antenna Adapter (BAA22)***
4. ***Main Harness Adapter (SR-SRK-ADAPT-IX2XX)***
5. ***Main Harness (SRK-GM14HX-HAR)***
6. ***Vehicle Harness Adapter (GM52-ADAPT)***
7. ***Radio Replacement Interface (GM6A-SRK)***
8. ***Steering Wheel Control Harness (GM5LIN-SW-HAR)***
9. ***Factory Rear Camera Adapter (CAM-GM51-HAR)***
10. ***IOB Display Harness (GM5CAM-DIS-HAR)***
11. ***MOST Loops (MOST Loop 1 / MOST Loop 2)***
12. ***External Chime Speaker (RPA-SPK)***
13. ***Differential Video Adapter (RPA-VA1)***
14. ***Satellite Antenna Adapter (SAT-01)*** ****HORIZON10 ONLY***
15. ***Side Mounting Brackets (L & R)***
16. ***PAC-Link Cable (10P-2-10P-6)***
17. ***PAC-Link Module (PL1)***

NOTE: Along with the SRK-GM14HX components, additional hardware and wire harnesses from the ix210 (HORIZON10 or HEIGH10+) kit will also be used in the installation.



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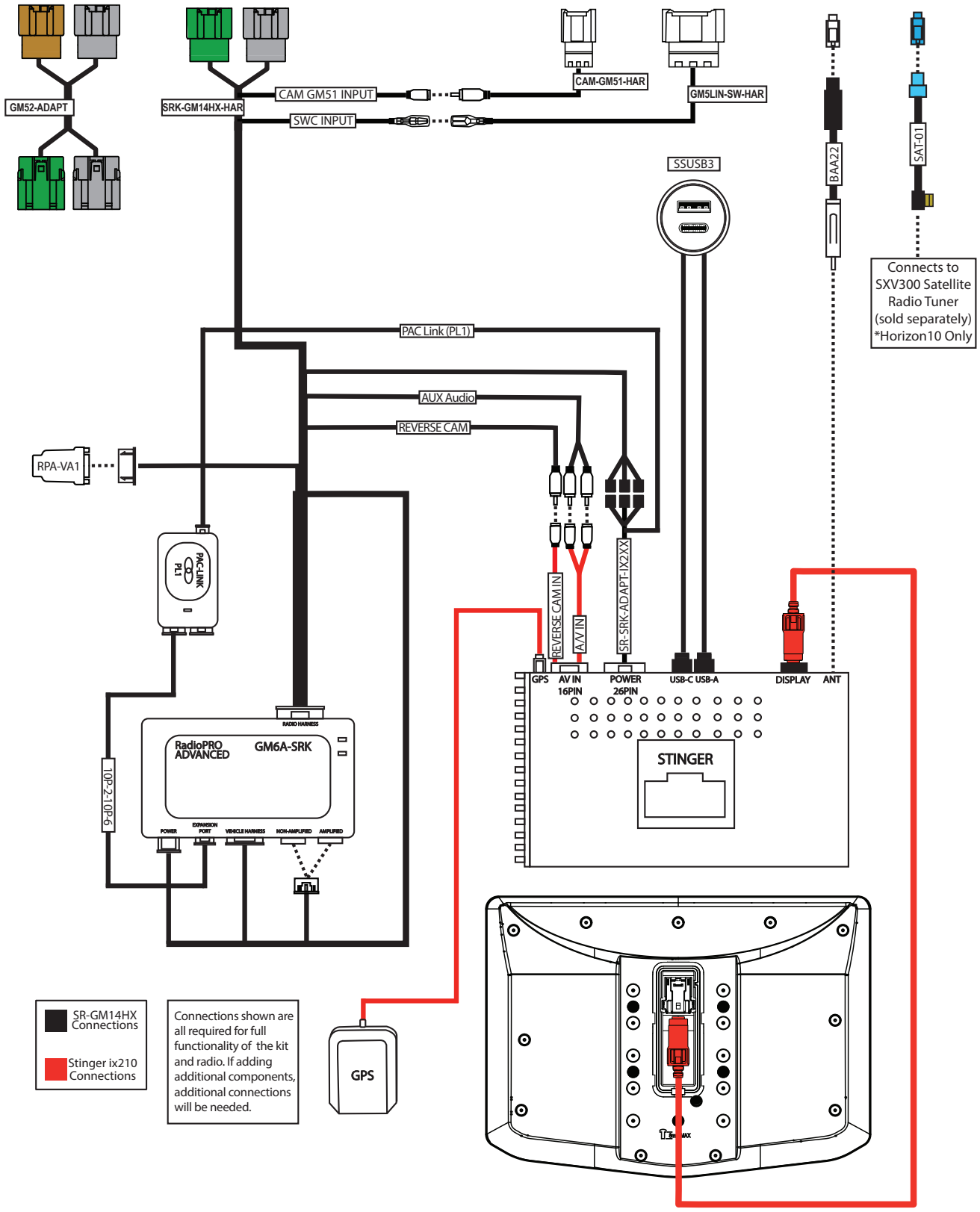
Radio Replacement Kit for select 2014-2019 Silverado/Sierra Trucks

Wiring Overview



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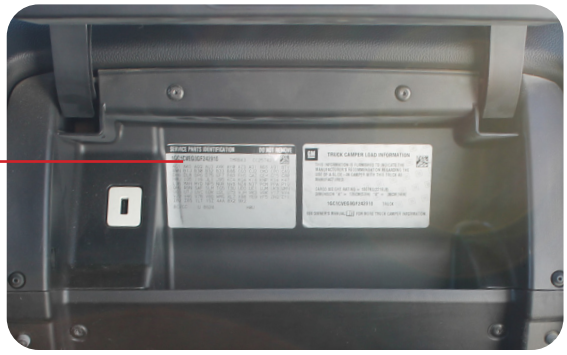
Factory Radio Code

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

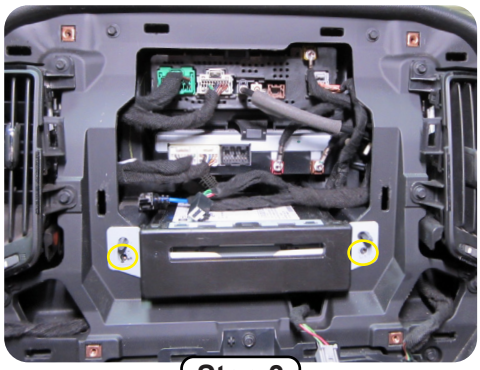
Part One: Center Dash Disassembly

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. ***Connect one of the included MOST Loops to this connector and tuck into the dash.**

***Failure to complete this step will result in no audio if the vehicle is equipped with the BOSE stereo system and CD player.**

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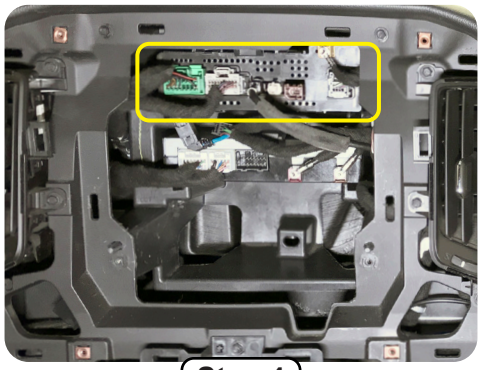
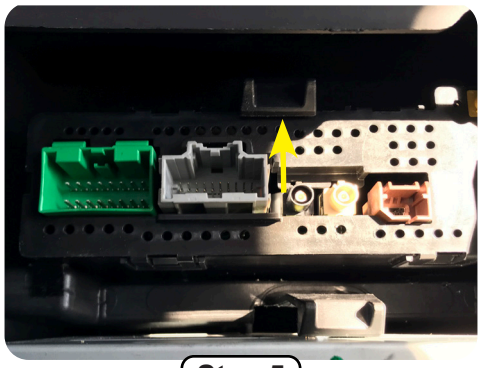
Section 1: Disassembly (Continued)

Part One: Center Dash Disassembly (Continued)



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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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

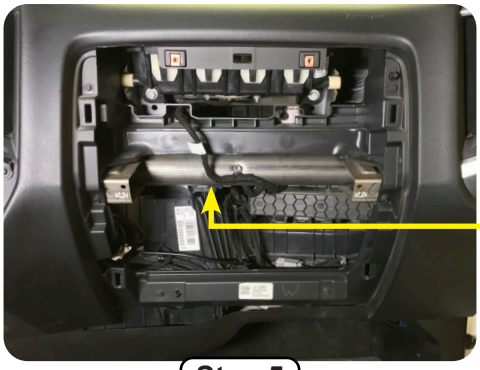
Open the upper and lower glove box doors and remove the two Torx T15 screws securing the lower glove box.

Step 3

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

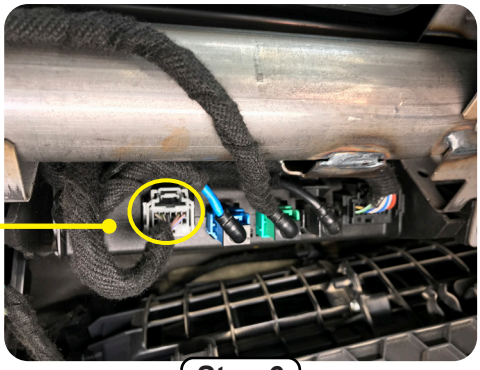
Step 4

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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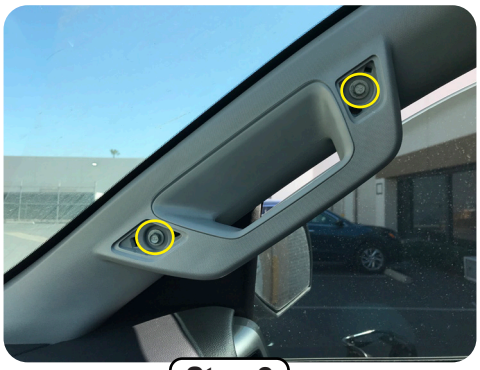
Section 1: Disassembly (Continued)

Part Four: A Pillar Removal

Step 1

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



Step 2

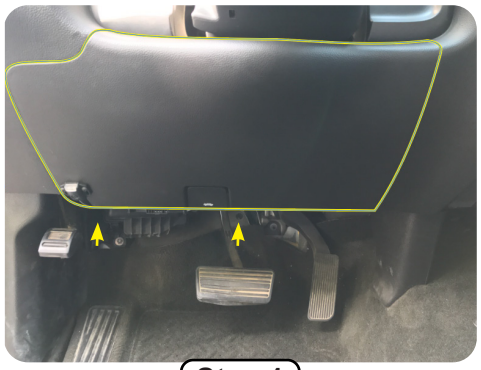
Remove the two 10mm bolts.

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.

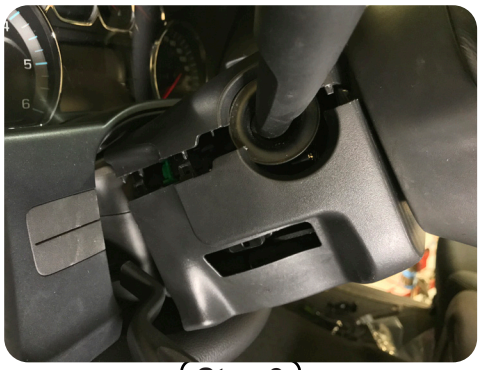


Step 1

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

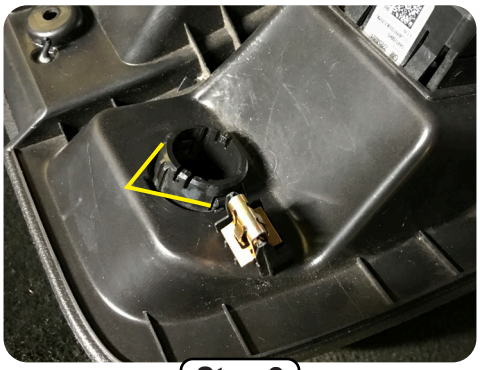
Part One: Dual USB Extension (SSUSB3)

Firmware Updates require access to a USB port. The ***SSUSB3*** is designed to extend the USB ports on the back of the ix210 to where they are accessible once the radio is installed.

For this installation, the factory 12V power outlet will be replaced with the ***SSUSB3***. 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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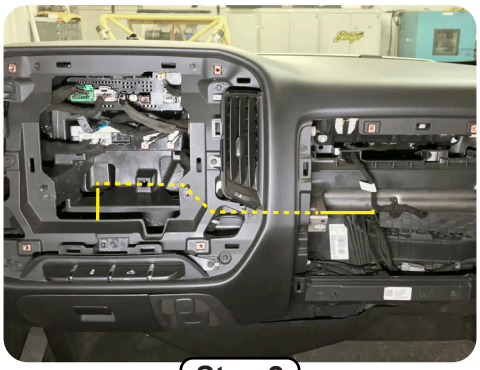
Section 2: In-Vehicle Harness Connections and Preparation (Continued)

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 at the HMI module behind the glove box. For IO3 and IOB vehicles, or no factory rear camera, proceed to Part Three.

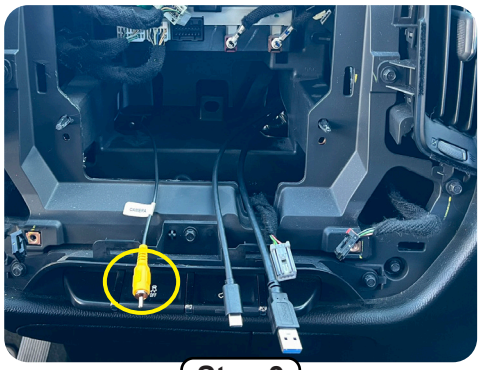
Step 1

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.

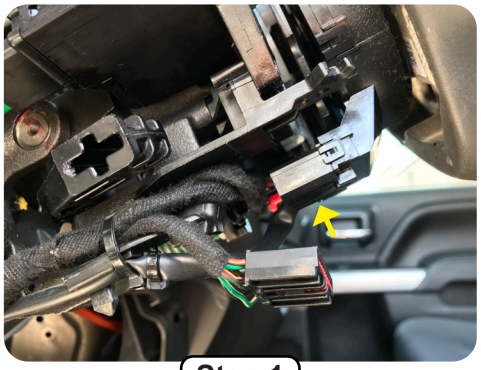


Step 3

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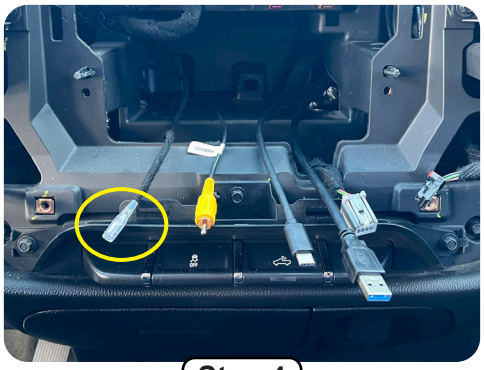
Section 2: In-Vehicle Harness Connections and Preparation (Continued)

Part Three: Steering Wheel Control (SWC) Retention Harness (Continued)

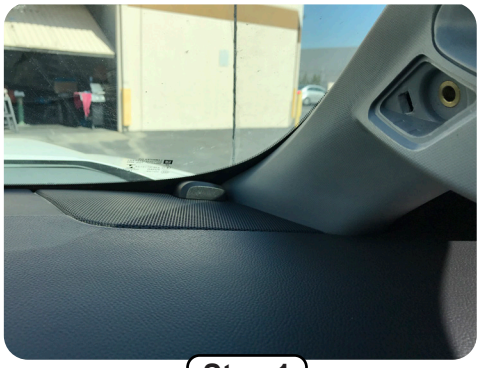


Step 4

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

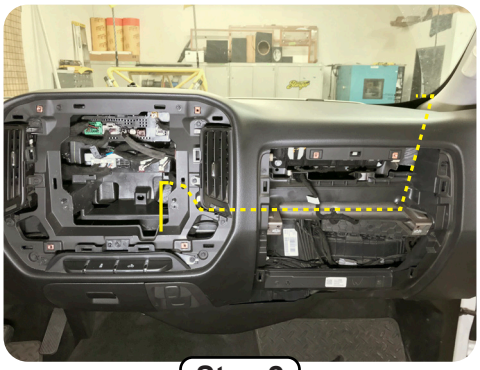
Part Four: GPS Antenna

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 ix210 hardware.



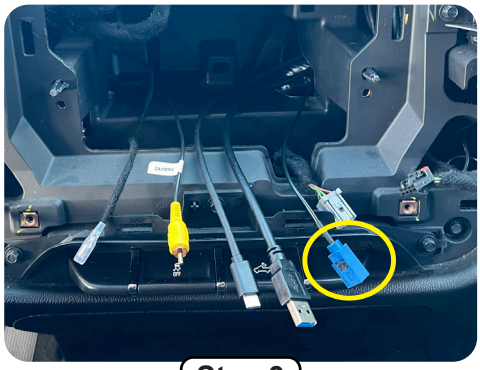
Step 1

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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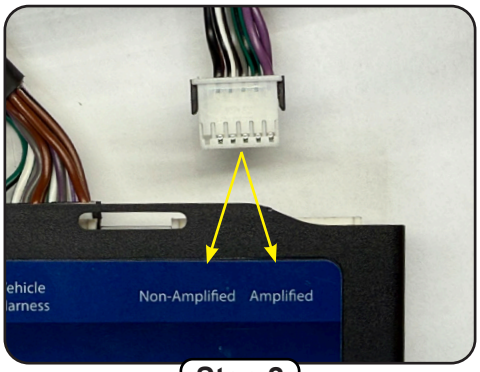
Section 3: Interface and Main Harness Connections and Preparation

Part One: RP5-GM51 Radio Interface Connections

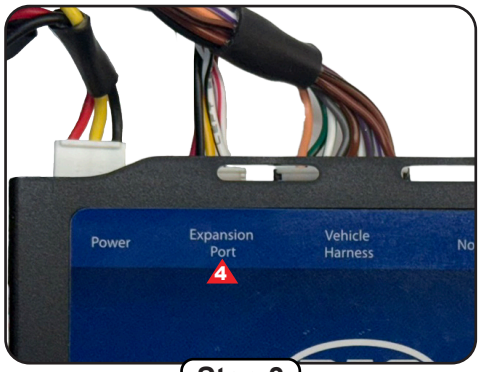
Step 1

From the ***Main Harness (SRK-GM14HX-HAR)***, connect the "Power" (1), "Vehicle Harness" (2)and "Radio Harness" (3) connections to the GM6A-SRK module



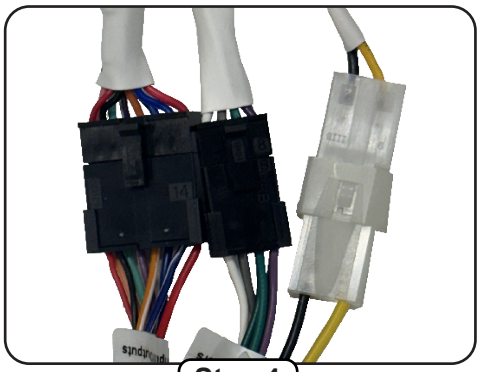
Step 2

For the speaker output connection, select "Amplified" if your vehicle is equipped with a factory BOSE amplifier or "Non-Amplified" if it is not.



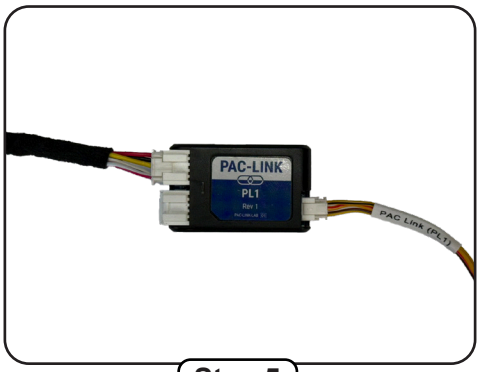
Step 3

Connect the 10 Pin ***PAC Link Cable (10P-2-10P-6-HAR)*** to the "Expansion Port."



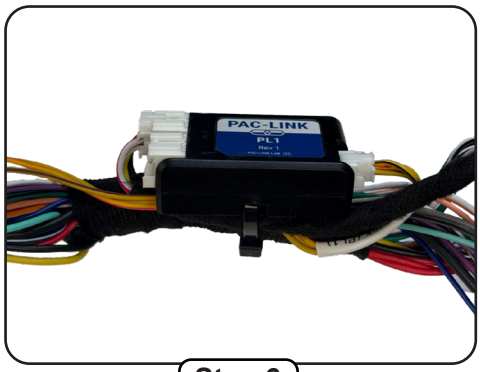
Step 4

Connect the 2 pin, 8 pin and 14 pin connectors from the ***Main Harness Adapter (SR-SRK-ADAPT-IX2XX)*** to the ***Main Harness (SRK-GM14HX-HAR)***.



Step 5

Connect the other end of the 10 pin ***PAC Link Cable*** to the ***PAC Link Module (PL1)***.From the ***Main Harness Adapter (SR-SRK-ADAPT-IX2XX)*** connect the 3 pin connector labeled "PAC Link (PL1)" to the ***PAC Link Module***.



Step 6

Bundle any excess wire and zip tie the ***PAC Link Module*** to the ***Main Harness***.

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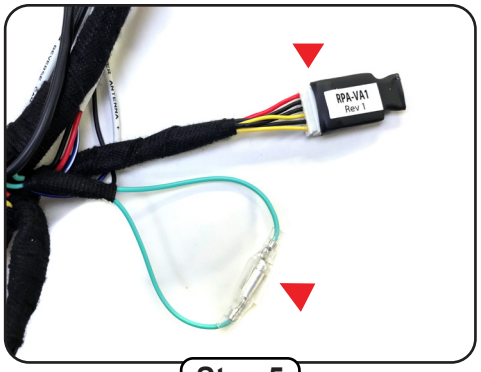
Section 3: Interface and Main Harness Connections and Preparation (Continued)

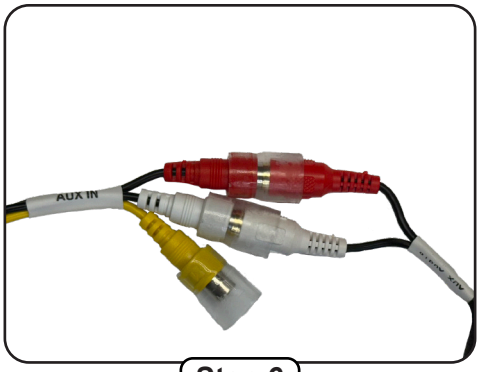
Part Two: Main Harness Connections (SR-GM14H-HAR-A) (Continued)



Step 5

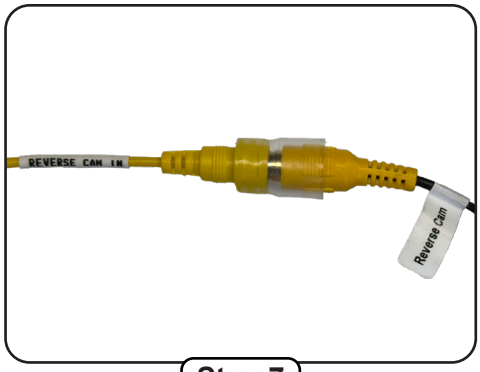
Connect the ***Differential Video Adapter (RPA-VA1)*** to the 6-pin lead on the ***Main Harness***.

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



Step 6

Connect the “AUX Audio” RCAs from the ***Main Harness*** to the “AUX IN” RCAs on the ix210’s ***16 Pin AV Harness (PSEH-2103)***.

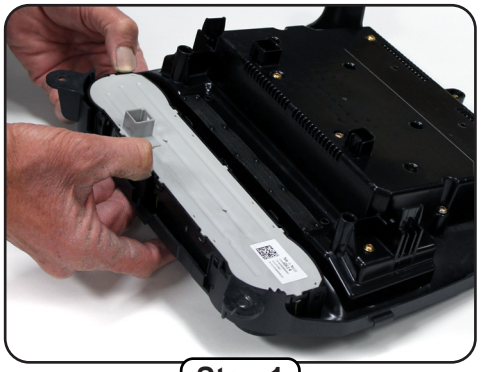


Step 7

Connect the “REVERSE CAM” RCA from the ***Main Harness*** to the “REVERSE CAMERA IN” RCA on the ***16 Pin AV Harness***.

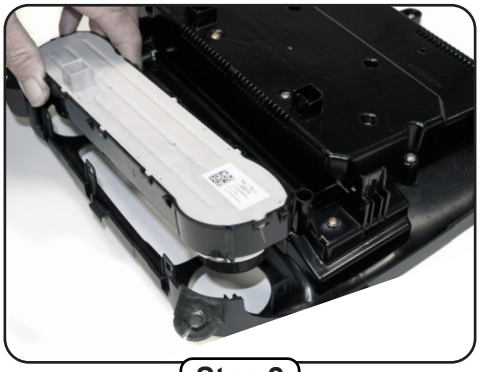
Section 4: Display Mounting Panel Preparation

Part One: Transferring the Climate Controls



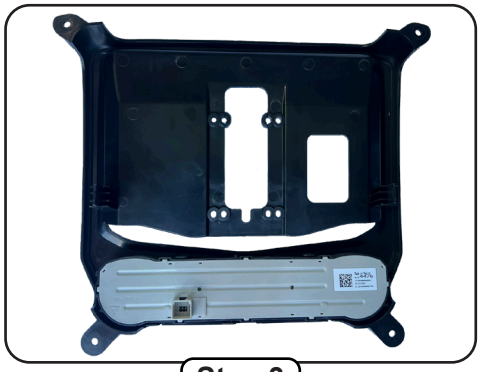
Step 1

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 ***Display Mounting Panel*** and push to seat and lock all the retaining clips.

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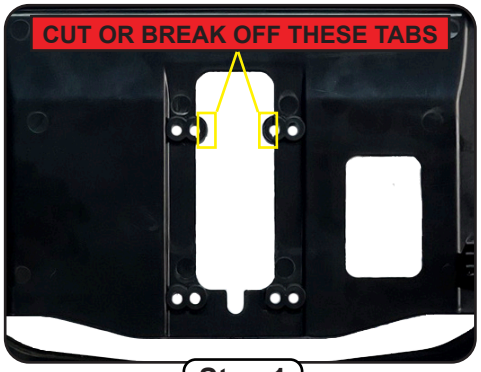
Section 4: Display Mounting Panel Preparation (Continued)

Part Two: Mounting the Display

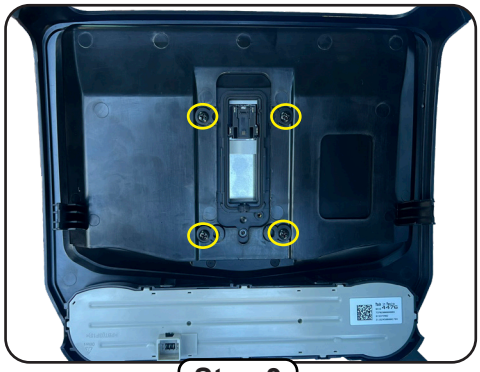


Step 1

Remove the indicated tabs in the opening of the ***Display Mounting Panel.***

Step 2

Insert the ***Touch Panel Display*** into the front of the ***Display Mounting Panel*** and carefully turn the panel over while holding the display in place.

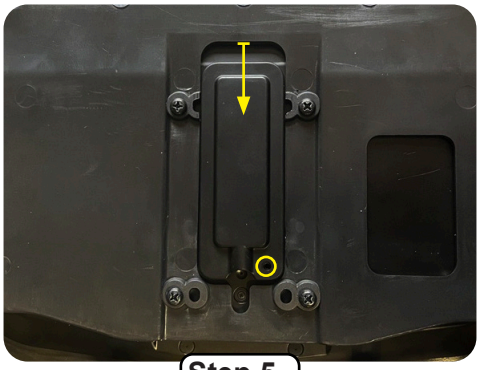


Step 3

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

Step 4

Connect the ***LVDS Display Cable (PSEH-2101)*** to the ***Touch Panel Display***.



Step 5

Place the ***LVDS Connector Rear Cover*** in the top of the opening on the back of the ***Touch Panel Display***. Push the cover down until the screw hole opening is visible. Insert the M2.6x6.5 screw to secure the cover.

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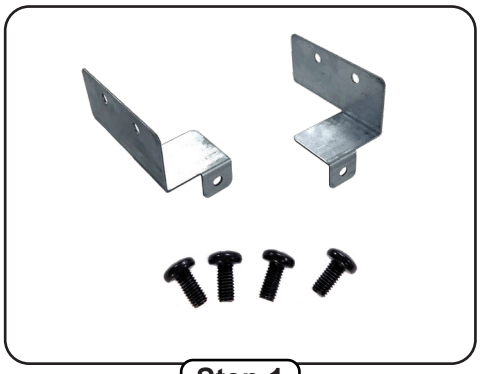
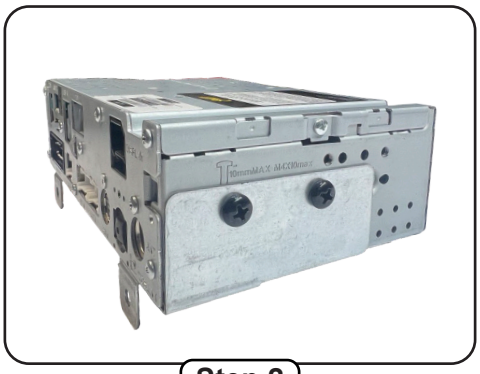
Section 5: Radio Module Preparation

Part One: Radio Module Side Brackets



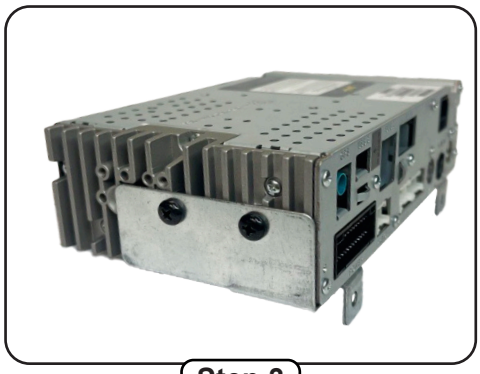
Step 1

Locate the two ***Side Mounting Brackets*** and four M5x10 screws.



Step 2

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

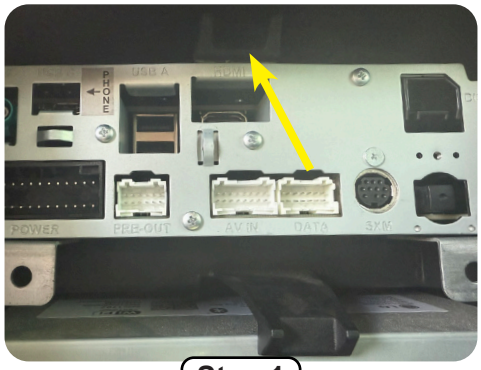


Step 3

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

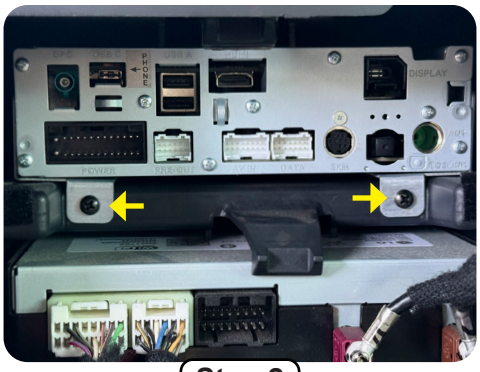
Section 6: Radio Unit Installation

Part One: Mounting the Radio Module



Step 1

Slide the ix210 ***Radio Module*** into the factory radio opening. You may need to push the retaining clip up to slide the radio all the way in.



Step 2

Once the bracket tabs contact the sub dash, secure with supplied #8 x 1/2” screws.

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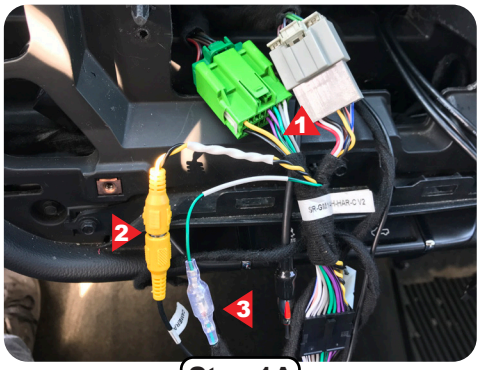
Stinger ix210 HORIZON10 / HEIGH10+

SRK-GM14HX

Radio Replacement Kit for select 2014-2019 Silverado/Sierra Trucks

Part Two: In-Vehicle Harness and Cabling Connections



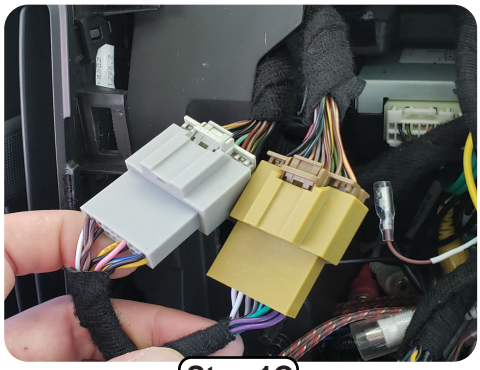
Step 1A

IO3, IO4, IO5, IO6: Connect the Green and Gray ***Main Harness (SRK-GM14HX-HAR)*** (1) connectors to the matching plugs in the vehicle.

IO4, IO5, IO6: If equipped, connect the Yellow RCA from the ***CAM-GM51-HAR*** to the "CAM-GM51 INPUT" (2) and connect the wire from the ***GM5LIN-SW-HAR*** to the "SWC INPUT" (3).

Step 1B

IO5 or IO6:
Connect the 8 pin gray connector from the ***Main Harness*** to the matching 8 pin gray connector in the vehicle that was removed from the OEM radio.

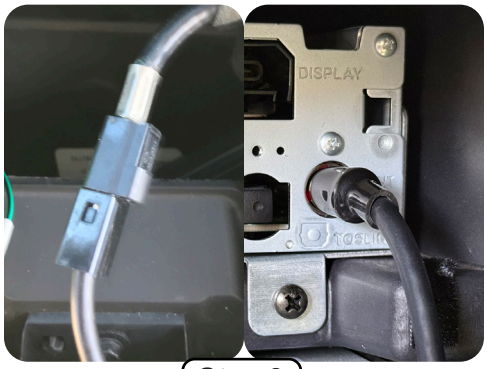


Step 1C

IOB:
Connect the Mustard and Gray ***GM52-ADAPT*** connectors to the matching plugs in the vehicle. Connect the other end to the ***Main Harness***.

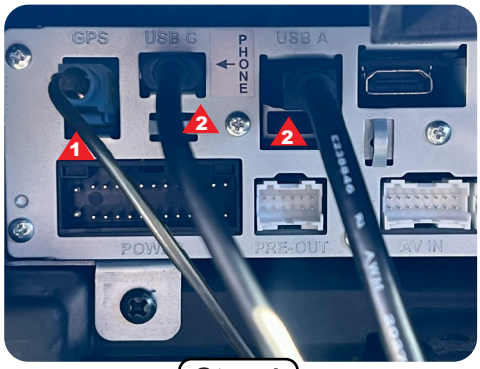
Step 2

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



Step 3

Connect the ***AM/FM Antenna Adapter (BAA22)*** to the black factory antenna cable.
Plug the other end of the ***BAA22*** into the "ANT" port on the ***Radio Module***.



Step 4

Connect the ***GPS Antenna*** (1) and the two USB cables (2) to the ***Radio Module***. The USB-C will handle Apple CarPlay and Android Auto

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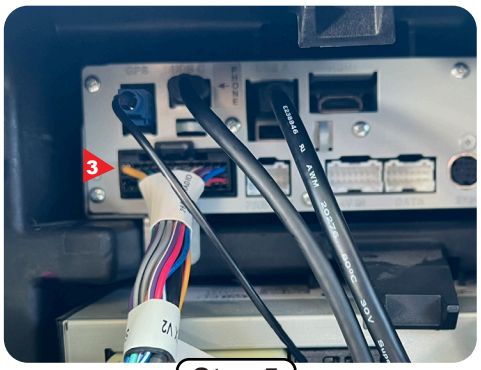
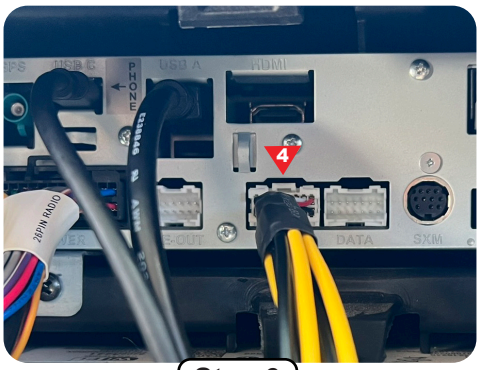


Step 5

From the ***SR-SRK-ADAPT-IX2XX*** harness, connect the “26 PIN RADIO” (3) connector to the “POWER” port on the ***Radio Module***.



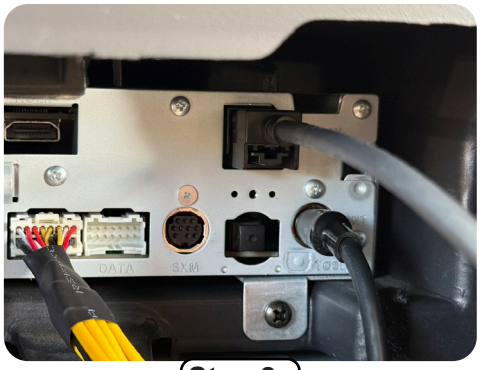
Step 6

Connect the ***16 Pin A/V Harness*** (4) to the “AV IN” port on the ***Radio Module***.

Step 7

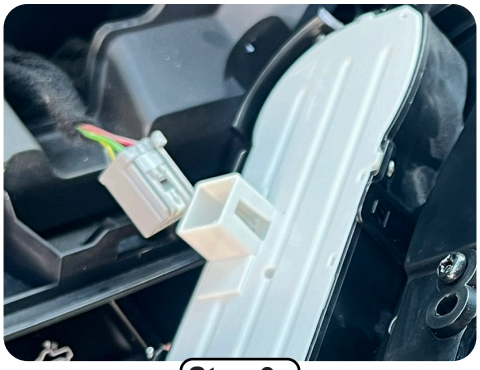
Use the supplied two-sided tape to secure the ***Radio Replacement Interface*** in the lower CD/DVD cavity.

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



Step 8

While holding the ***Display Mounting Panel***, connect the ***Display Cable*** to the ***Radio Module***.



Step 9

Reconnect the HVAC controls.

Step 10

Place the ***Display Mounting Panel*** in place and temporarily secure it with two 7mm screws.

Before reassembly, it is recommended to start the vehicle 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)

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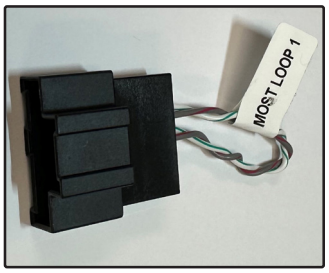
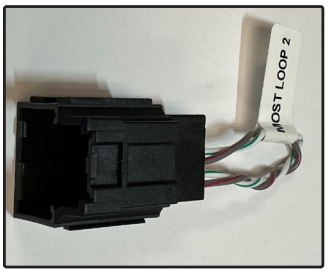
Troubleshooting

No Audio:

Verify the Audio Output Connector is in the correct port on the Interface Module, either Amplified or Non-Amplified (Section 3, Part 1, Step 2 on page 10). In vehicles equipped with BOSE, if there is no audio, you will need to do a full sleep cycle on the vehicle. To do this, turn off the ignition, close all doors, lock the vehicle with the key fob, and allow it to sit untouched for five minutes.If after five minutes you still do not have audio, please verify one of the MOST loops is connected to the pulg that was connected to the OE CD player, if equipped (Section1, Part 1, Step 3, on page 3). Also verify the 8 pin connector on the Main Harness is connected to the matching connector in the vehicle harness (Section 6, Part 2, Step 1B on page 14).





No Camera Image:

IO4 / IO5 / IO6 - Verify the CAM-GM51-HAR is connected to the 12 pin connector from the HMI Module behind the glovebox (Section 2, Part 2 on page 8). Verify the CAM-GM51-HAR male RCA is connected to the CAM-GM51 INPUT on the Main Harnes. (Section 6, Part 2 Step 1A)

IOB - Verify the GM5CAM-DIS-HAR is connected to the harness from the back of the factory display (Section 6, Part 2 Step 2 on page 14).

All Applications - Verify the RPA-VA1 is connected to the 6-pin lead on the Main Harness. (Section 3, Part 2, Step 5 on page 11). Verify the REVERSE CAM RCA from the Main Harness is connected to the REVERSE CAMERA IN RCA on the 16 Pin AV Harness from the IX210 (Section 3, Part 2, Step 7 on page 11).

Product Updates (Firmware)

Firmware Updates (RadioPRO)

The PAC GM6A-SRK interface can be updated with new firmware as it becomes available. Please visit www.PAC-audio.com/firmware for available updates.

Firmware Updates (Stinger Radio and PAC Application APK)

To update the ix210 radio firmware and PAC Application APK firmware, refer to:

https://stingersolutions.com

RadioPRO LED Feedback

LED 1:
Blinks Red - Interface is configuring
Solid Red - Accessory power is on
Flashes Green - SWC button pressed
Blinking Green - SWC remap
Off - Accessory power is off

LED 2:
Solid Green - Interface is running
Blinking Amber - Connected to USB
Off - Interface is sleeping

LED 1 & 2:
Alternating Blinking Amber - Interface is entering sleep
Alternating Blinking Red - Master reset

Technical Support

Email: support@StingerSolutions.com
Phone: 727-592-5991

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