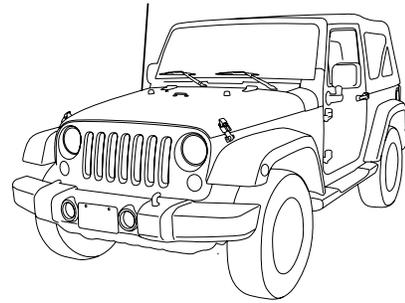


Jeep Wrangler

i207-WRA

Restyle Installation Manual

- Model: Wrangler
- Model Year: 2007-2017



| Jeep | Model | Year |
|------|----------|-----------|
| | Wrangler | 2007-2017 |

* The specified vehicles have been tested and have met compatibility specs at the time of testing. Compatibility is not guaranteed if the manufacturer has made production changes to the listed vehicles above.

⚠ Warning: Before you begin wiring, remove the ground wire from the negative terminal of the battery. Failing to do so can lead to electric shock, injury or damage to equipment.

Introduction

- Congratulations on purchasing the i207-WRA. This installation manual is designed to take you through the step-by-step installation of the i207-WRA into a 2007 and 2017 Jeep Wrangler. Please familiarize yourself with the owners manual and if you still have additional questions please call 1-800-TECH-101.

Note:

- Design and specifications are subject to change without notice for improvement.

To Ensure Safe Use, Always Follow These Precautions

- The installation of this product requires specialized skills and experience. We recommend that you have the product installed by an Alpine authorized dealer.
- Before you use this product, be sure to carefully read this installation manual and the separate user's manual so that you can use the product correctly. Alpine Electronics bears no responsibility for problems that arise as a result of failure to follow the instructions in the manuals.
- This manual includes a number of symbols that are intended to help you use the product safely, to prevent harm to you and others, and to protect against damage to property. These symbols and their meanings are listed below. Make sure you fully understand these symbols before you begin reading the main text.

Explanations of Injury and Damage That May Result from Incorrect Use

| | |
|--|---|
|  Warning | Ignoring the content marked by this indication and using the product incorrectly is expected to lead to death or serious injury. |
|  Caution | Ignoring the content marked by this indication and using the product incorrectly is only expected to lead to injury or property damage. |

Types of Precautions

| | | | |
|--|--|--|--|
|  Forbidden | Indicates actions that are forbidden (must not be performed) |  Mandatory | Indicates actions that are mandatory (must be performed) |
|  Forbidden | Indicates that disassembly is forbidden. |  | Marks content that should receive your full attention. |

 **Warning**

Do not disassemble or modify the product. Doing so could lead to an accident, fire, or electric shock.



Forbidden

Store screws and other small objects where small children cannot reach them. If one of these small objects is swallowed, consult with a doctor immediately.



When replacing fuses, be sure to use fuses with the specified current rating. Failing to do so could lead to an accident or fire.



Forbidden



Mandatory

Only connect the product to a 12 VDC negative ground car. Failing to do so could lead to an accident or fire.



Mandatory

Before you begin wiring, remove the ground wire from the negative terminal of the battery. Failing to do so could lead to electric shock or injury.



Do not cut the insulation on a cord and take power from another device. Doing so could lead to fire or electric shock.



Forbidden

Do not install the product in a location where it will obstruct the driver's forward view; interfere with the operation of the steering wheel, gearshift, or the like; or pose a threat to passengers. Doing so could lead to an accident or injury.



Forbidden

When making a hole in the vehicle body, be careful to avoid damaging pipes, the fuel tank, electrical wiring, and the like. This kind of damage could lead to an accident or fire.



When installing and grounding the product, do not use any of the bolts or nuts of the steering wheel, brakes, fuel tank, or the like. Doing so could make the brakes stop working or lead to fire.



Forbidden

Do not install the product near the passenger-side airbag. Doing so could interfere with the operation of the airbag and lead to an accident or injury.



Forbidden

Bundle cords so that they don't interfere with driving. Wrapping cords around the steering wheel, gearshift, brake pedal, or the like, could lead to an accident or damage equipment.



 **Caution**

Connect the product properly according to the instructions. Failing to do so could lead to fire or an accident.



Forbidden

Do not sandwich cords between the seat railing or allow them to touch protrusions. Resulting breaks or shorts could lead to electric shock or fire.



Do not block vents or heat sinks. Doing so could lead to fire or damage equipment.



Use the accessories according to the instructions, and attach them securely. Failing to do so could lead to an accident or damage equipment.



Forbidden

Do not install the product where it may be exposed to water or in a place with high levels of humidity or dust. Doing so could lead to fire or damage equipment.

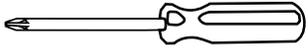
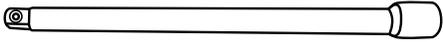
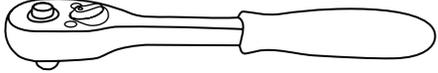


Forbidden

The installation and wiring of this product requires specialized skills and experience. Have the product installed by an Alpine authorized dealer.

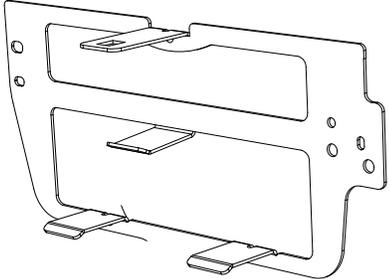
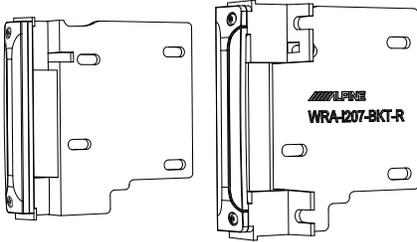
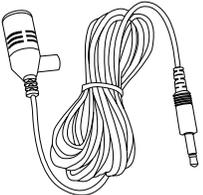


Tools Required

| | | |
|---|--|---|
| Panel Removing Tool | 7mm Sockets | #2 Phillips Screwdriver |
|  |  |  |
| Wire Cutters | Extension | Ratchet |
|  |  |  |
| T20 Torx | | |
|  | | |

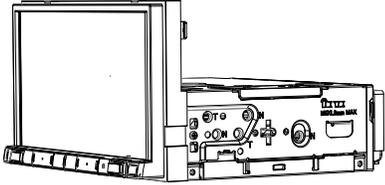
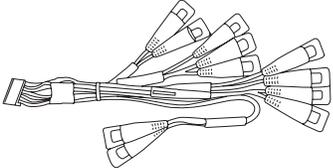
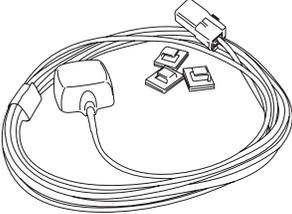
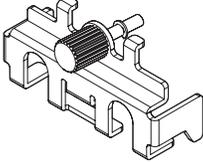
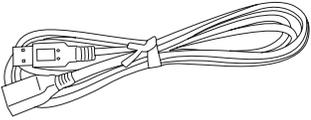
Accessory List

Installation Kit Parts

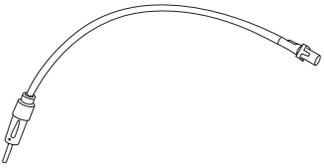
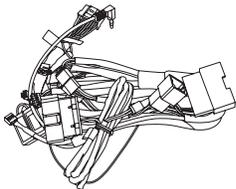
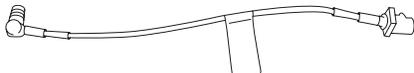
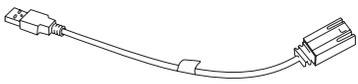
| | | |
|---|--|---|
| Rear Support Bracket (only for 2011-2017) | Side Mounting Brackets | Add-on Microphone |
|  |  |  |

Accessory List

Head Unit Box Parts (i207-WRA)

| | | |
|---|---|--|
| <p>iLX-207 Head Unit</p> | <p>Round Head Screws (4pcs)</p> | <p>Flat Head Screws (4pcs Not Used)</p> |
|  |  |  |
| <p>AUX/Pre Out Harness</p> | <p>GPS Antenna & Wire Hooks</p> | <p>Documents</p> |
|  |  |  <p>Alpine Registration Card OM QR Card Installation Manual</p> |
| <p>Direct Camera Adapter</p> | <p>Source Unit HDMI Bracket</p> | <p>USB Extension Cable</p> |
|  |  |  |

iDatalink Maestro Box Parts (ALP-MRR2/ALP-HRN-WRA2)

| | | |
|---|--|---|
| <p>Maestro Flashing Cable</p> | <p>FM/AM Antenna Adapter</p> | <p>iDatalink Maestro Module</p> |
|  |  |  |
| <p>Main Harness</p> | <p>SiriusXM Radio Antenna Adapter (only for vehicles with factory SiriusXM)</p> | <p>USB Adapter (For Vehicles With Uconnect®)</p> |
|  |  |  |

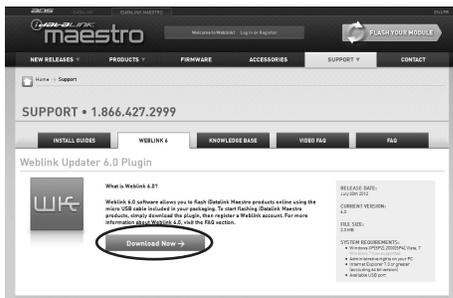
Programming the iDataLink Maestro Module

1 INSTALL THE WEBLINK PLUG-IN

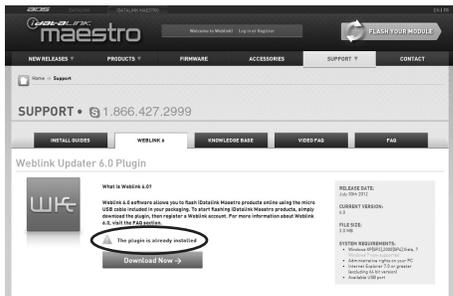
Go to:

idatalinkmaestro.com/plugin and follow the installation steps. The Maestro module must be programmed specifically for each vehicle and radio. Take care to enter the correct vehicle information, factory options, head unit model, and head unit serial number. The head units serial number is a 9 character alphanumeric value which is found on the head units label, underneath the bar code.

Review the System Requirements before installing.

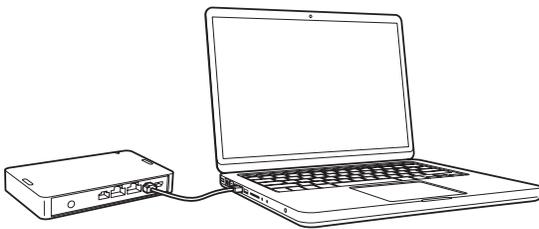


If the plugin is already installed, the caution, “The plugin is already installed” appears. Please skip to step 2.



3 CONNECT YOUR MAESTRO MODULE

Use your Maestro module to connect to your PC.



5 PROGRAM YOUR MODULE

Follow the programming steps for your vehicle.



2 REGISTER A WEBLINK ACCOUNT

Go to:

idatalinkmaestro.com/register and complete the registration process.

A confirmation email will be sent to you requiring validation.



For existing customers, click log in.



4 LOG INTO WEBLINK

Go to:

idatalinkmaestro.com/login.

Enter your username and password, then click OK.



6 Once Programming is complete “FLASHING COMPLETED!” will be displayed.

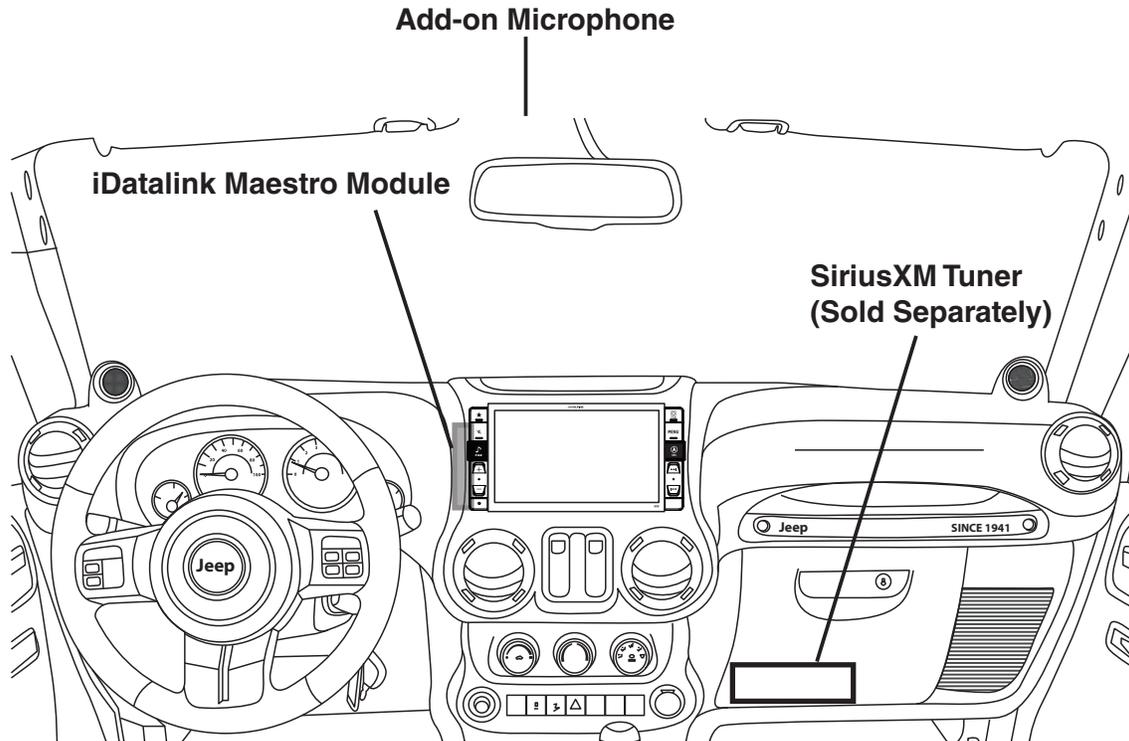
Proceed to the next page to complete installation.



NOTE: If serial number is invalid, Call ADS at 1-866-427-2999 with the serial number.

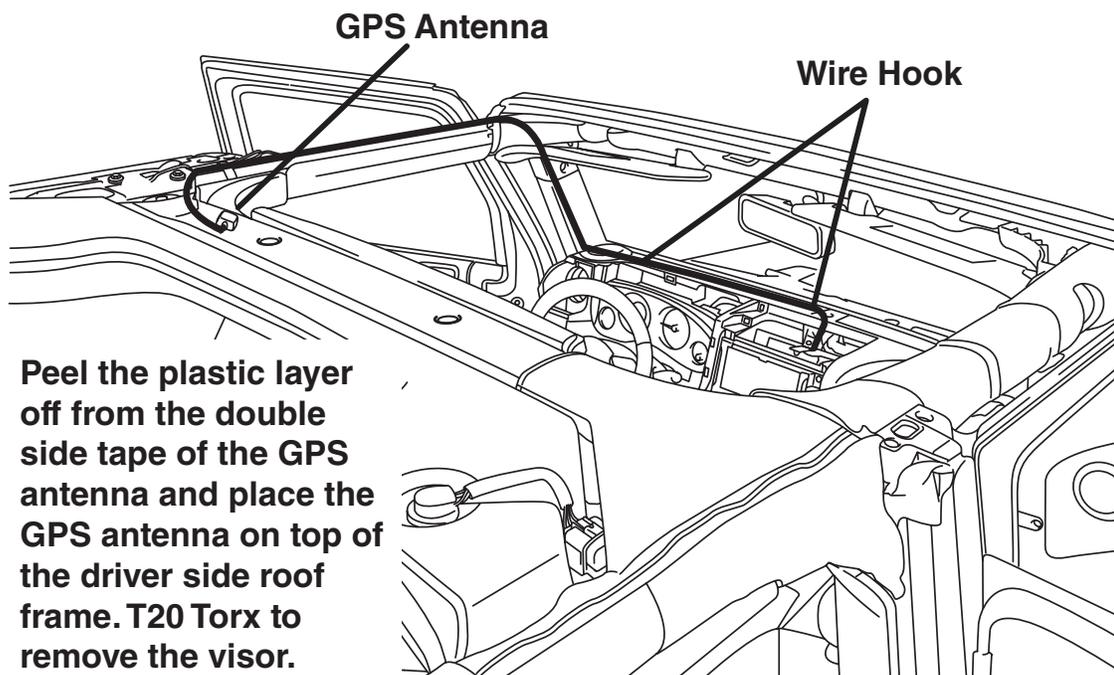
Component Locations

! IMPORTANT: Follow the recommended component location shown below. Failure to do so, will result in poor GPS performance.



GPS Antenna Installation

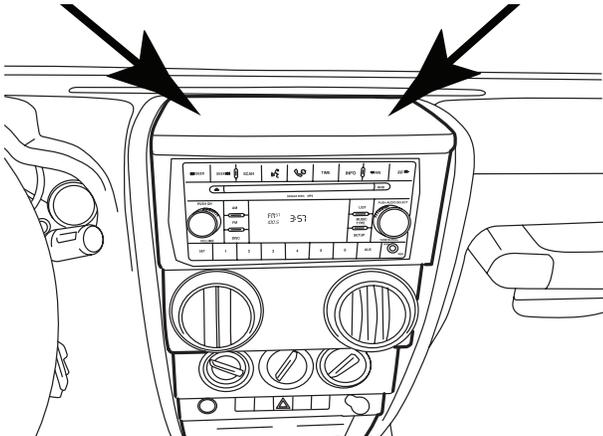
! IMPORTANT: Follow the GPS antenna installation procedure shown below. Failure to do so will result in poor GPS performance for CarPlay and Android Auto.



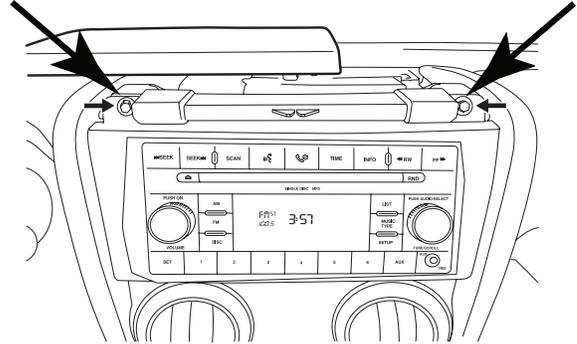
Factory Unit Disassembly Process (2007-2010 Only)

⚠ DISCONNECT THE BATTERY BEFORE CONTINUING. FAILURE TO DO SO WILL DISABLE MANY FEATURES.

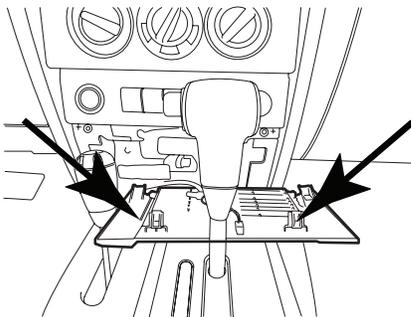
- 1** Remove top by releasing 2 rear clips on the back of the top panel and then pull panel forward.



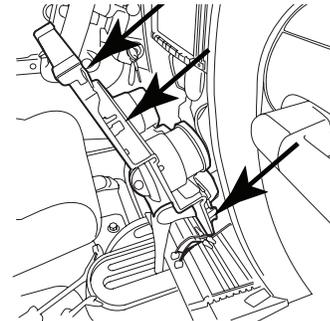
- 2** Release 2 clips on the top of the bottom panel. This will expose two 7mm screws. Remove those.



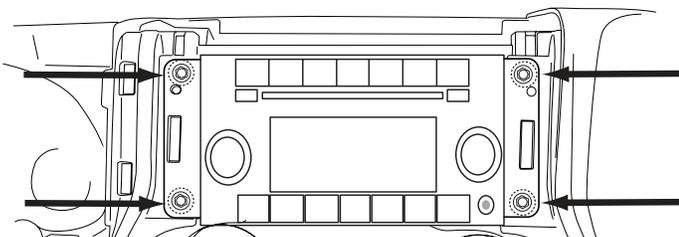
- 3** Release 2 clips on the top of the bottom panel. This will expose two 7mm screws. Remove using a 7mm socket with ratchet & extension.



- 4** Use panel removal tool to remove dash panel by releasing 6 clips (3 per side)



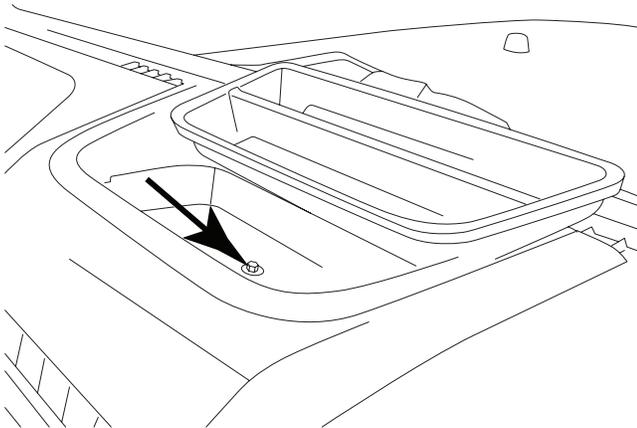
- 5** Extract (4) 7 mm screws and remove the factory radio.



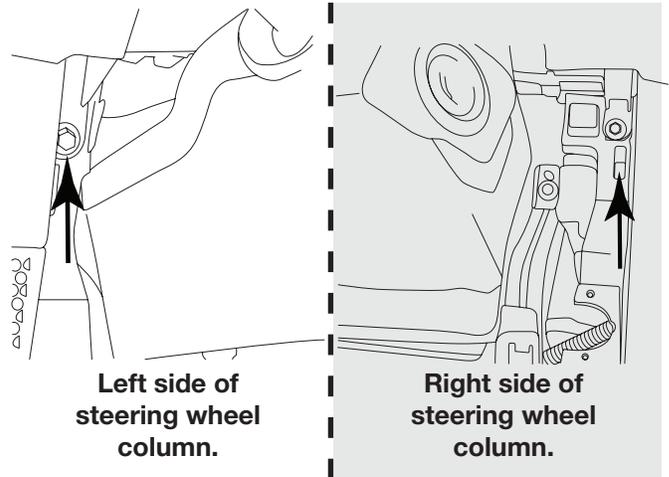
Factory Unit Disassembly Process (2011-2017 Only)

⚠ DISCONNECT THE BATTERY BEFORE CONTINUING. FAILURE TO DO SO WILL DISABLE MANY FEATURES.

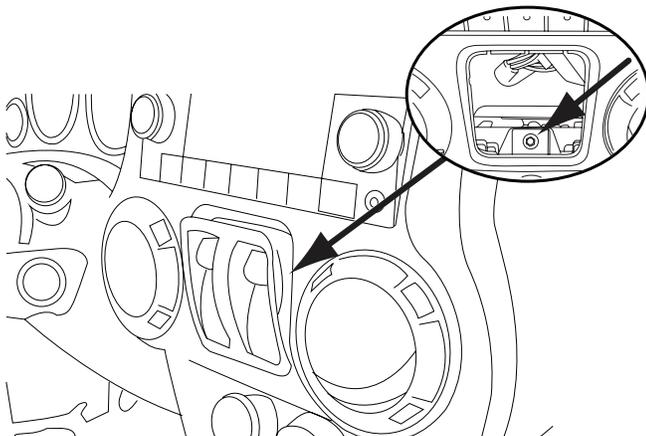
1 Remove the rubber cover from the top center storage area and extract (1) 7mm screw.



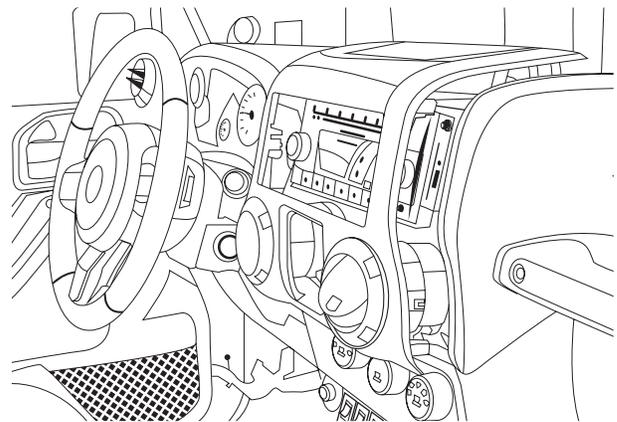
2 Remove the knee cover panel and extract (2) 7mm screws located to the right and left sides of the steering wheel column.



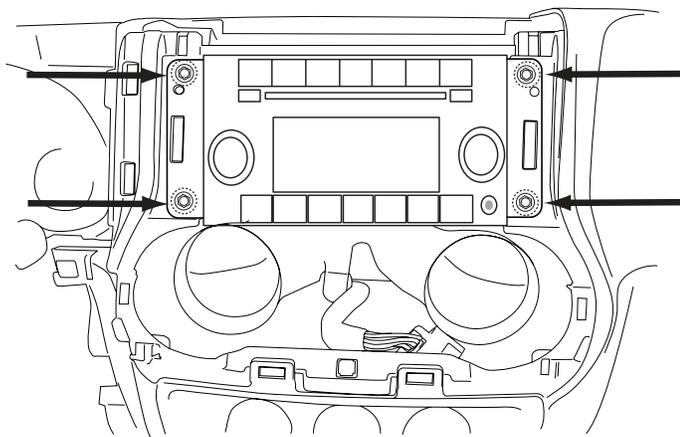
3 Remove the window switch pod using a panel removing tool and extract (1) 7mm screw.



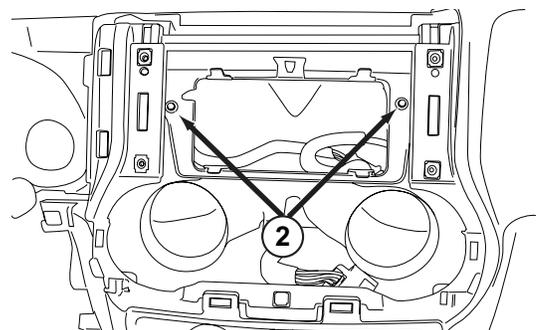
4 Remove the dash panel.



5 Extract (4) 7 mm screws and remove the factory radio.

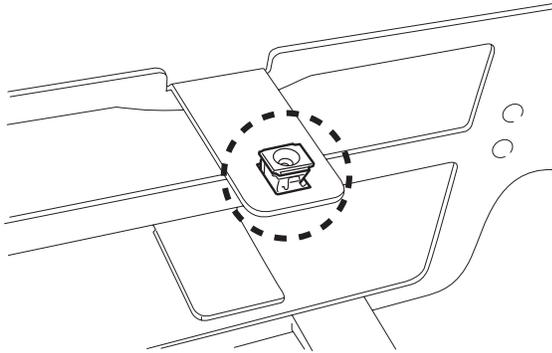


6 Extract (2) 7 mm screws from the factory radio bracket and remove it.

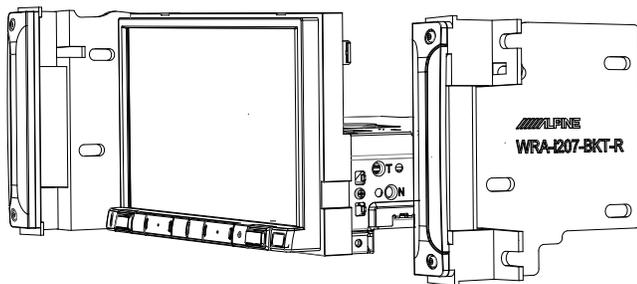


Installation Instructions

- 1** Attention: For 2011-2017 vehicles only. Insert the push clips from the factory bracket. Install the rear support bracket, using the (2) 7mm screws that were removed from the factory bracket, to attach head unit bracket in the same place.

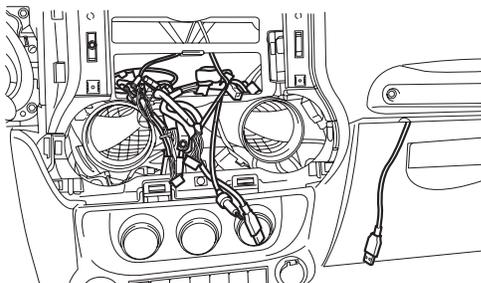


- 3** Attach the side brackets using the provided 8mm round head screws.

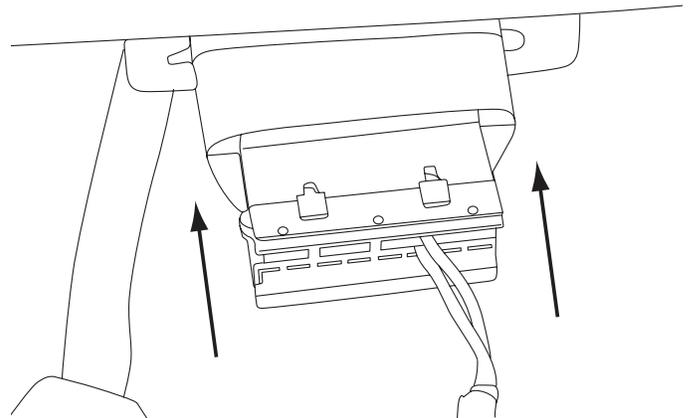


- 5** For 2011-2017 vehicles: For vehicles with uConnect refer to page 11. For vehicles without uConnect run the USB extension cable to the glove box, connect the main harness, antenna, and other adapters to the factory harnesses and secure them. Route all cables through the lower opening of the rear support bracket as shown below.

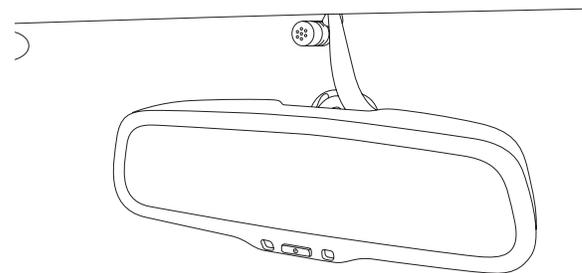
For 2007-2010 vehicles: Connect the main harness, run the USB extension from the back of the head unit to desired location, connect antenna, other adapters, and secure them.



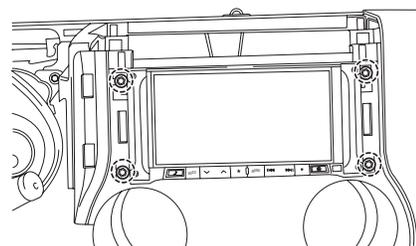
- 2** Plug the OBDII connector on to the OBDII port below the driver side dash and run the extension to the radio cavity.



- 4** Mount the microphone as illustrated and run the cable to the radio cavity. You will need to use a T20 Torx to remove the visor. For optimal performance it should be mounted by the rear-view mirror as illustrated.

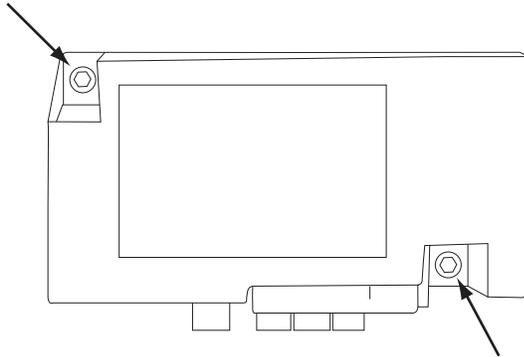


- 6** Mount the i207-WRA head unit using the factory 7mm screws and return factory panels to their corresponding place

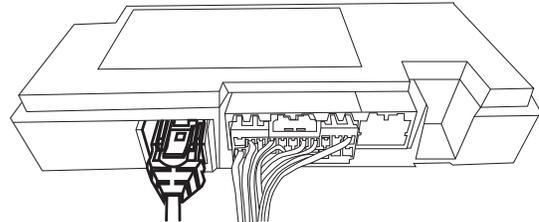


Connecting the Uconnect® USB port (only for 2011-2017 vehicles with factory Uconnect®)

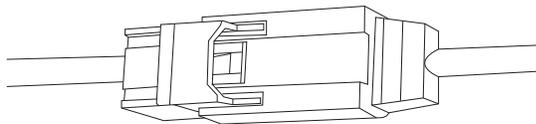
1 Remove the factory climate control panel. It is clipped on and can be removed with a panel removing tool. Extract the (2) 7mm bolts from Uconnect® module.



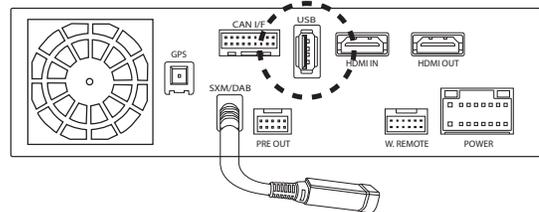
2 Disconnect the 4pin OEM connector.



3 Connect the 4pin OEM connector to the OEM USB adaptor (included).



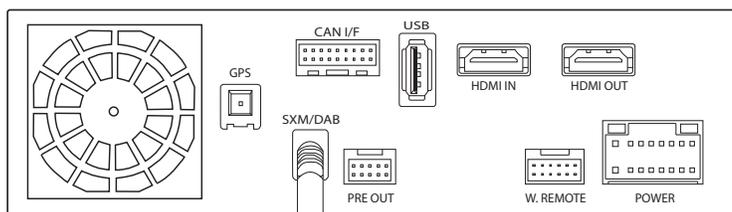
4 Use the USB extension to connect USB adaptor to the radio USB input.



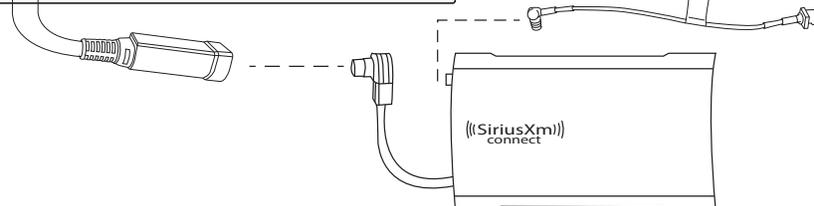
5 Secure the Uconnect® module to the original location using the 7mm bolts.

Note: if the factory Uconnect® system is not going to be used you can unplug the 24 pin connector shown in step 2. This should only occur for people who do not want to use this feature. If Uconnect® module is not disconnected the Uconnect® system will stay paired with previously paired phones. The users phone may connect to both Bluetooth devices simultaneously resulting in unpredictable and potentially distracting behavior.

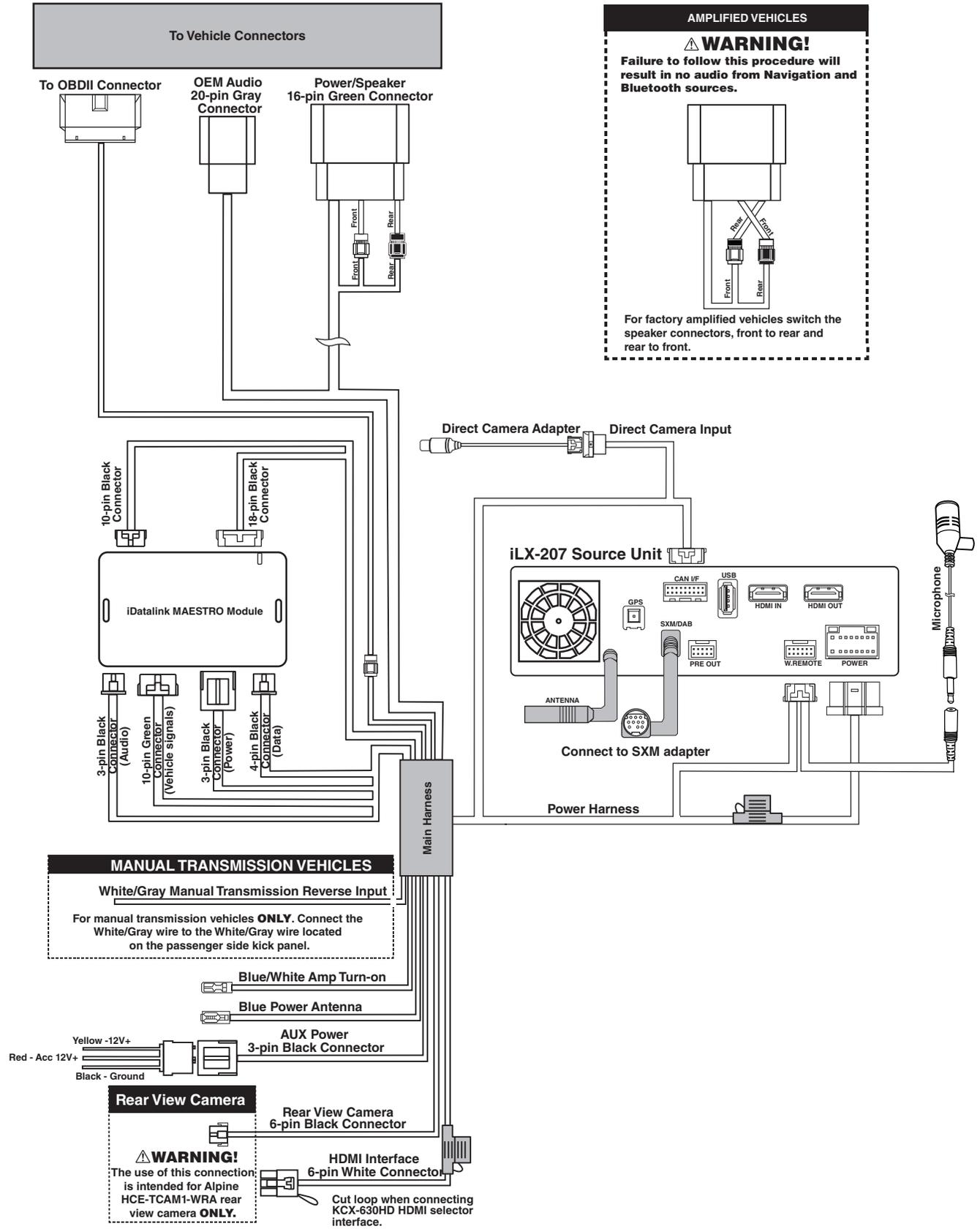
Connecting A SiriusXM Module (Sold Separately)



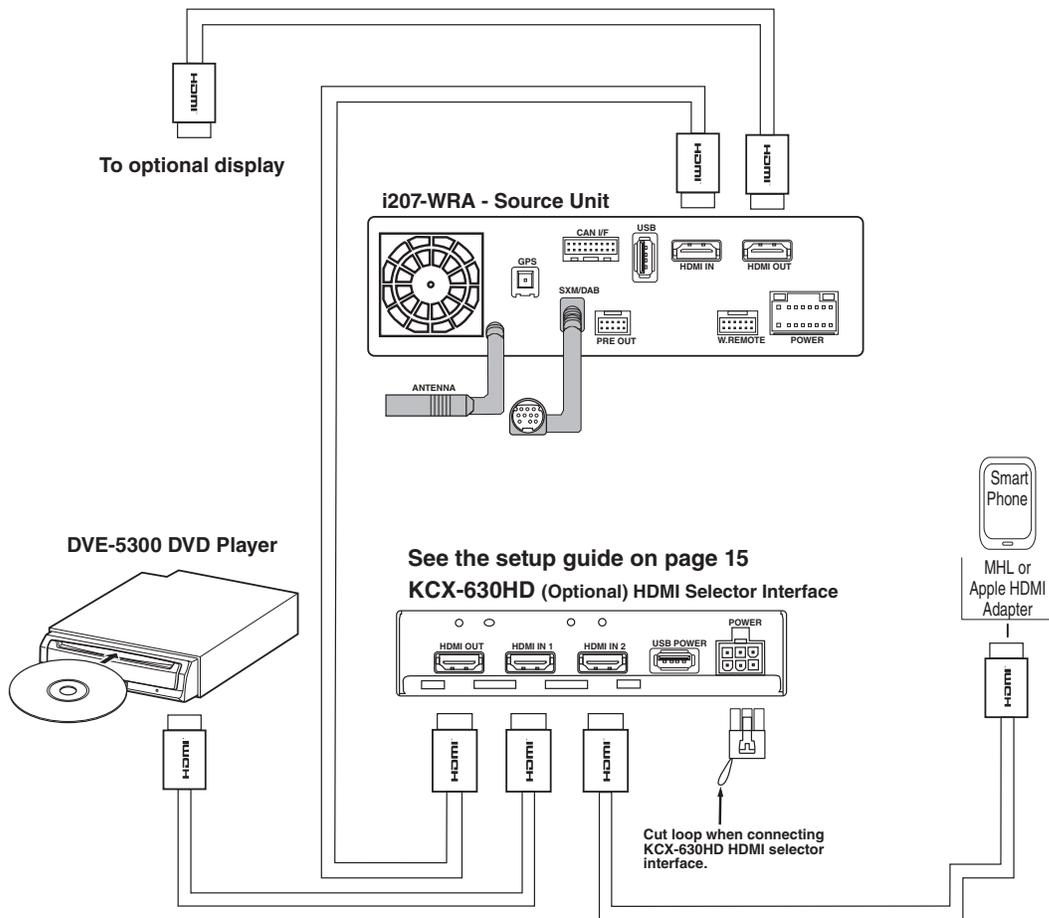
For vehicles with factory SiriusXM connect the adapter to the factory SiriusXM antenna in the radio cavity. The factory SiriusXM antenna is located on the passenger side B-pillar. For vehicles without factory SiriusXM use the antenna that is included with the SXV300 SiriusXM Tuner.



i207-WRA Wiring Diagram

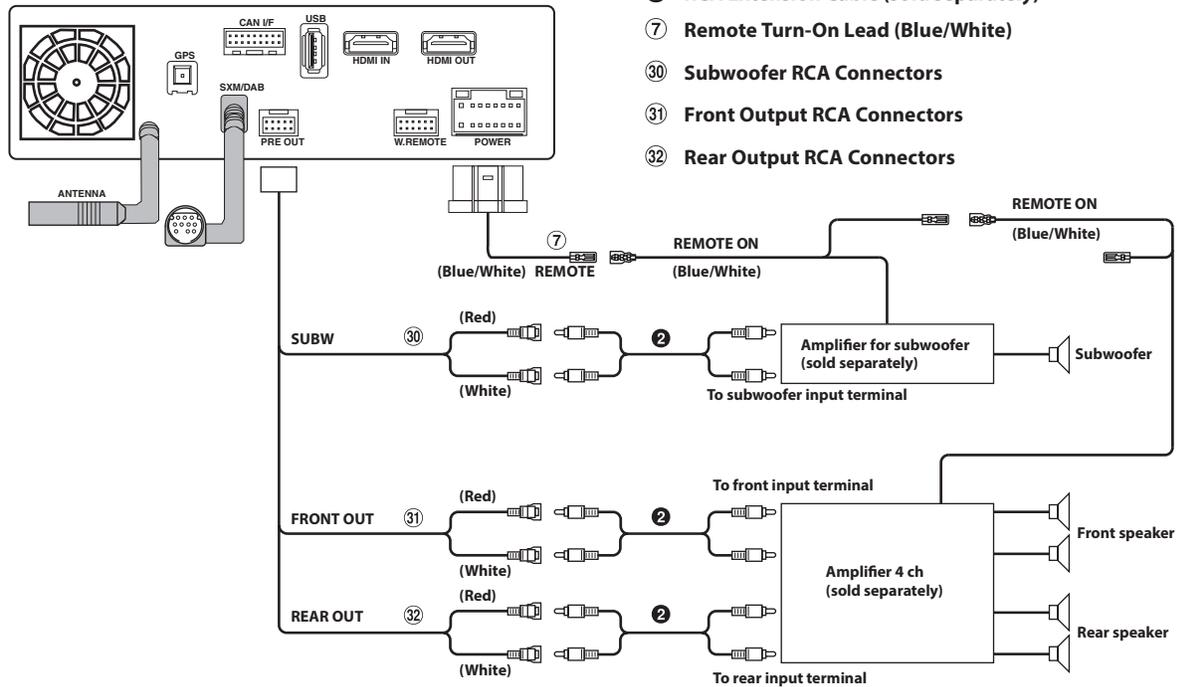


i207-WRA With Optional HDMI Interface Wiring Diagram

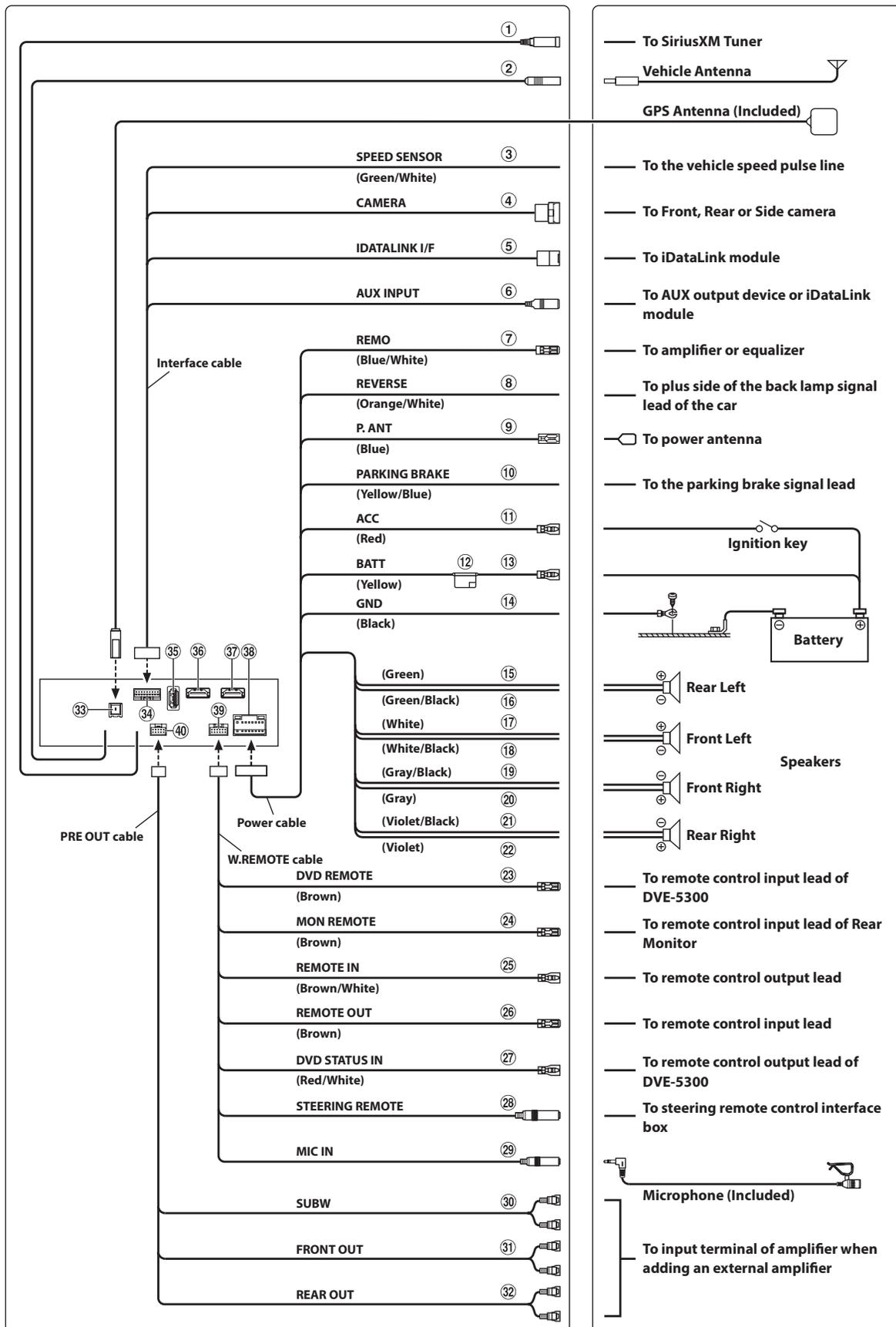


Connection Of An External Amplifier

iLX-207 Source Unit



i207-WRA Wiring Diagram

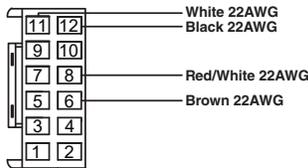


Wire Harness Pin Outs

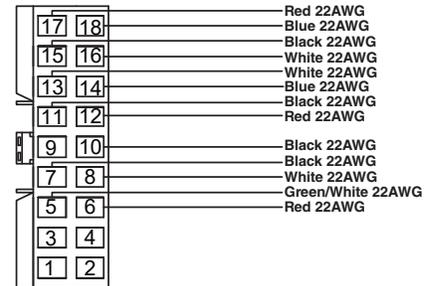
Radio Main



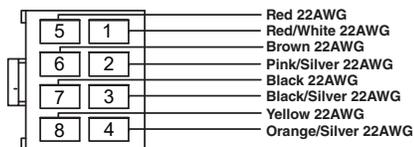
Remote Harness



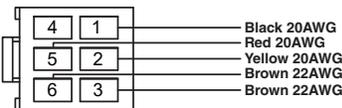
Cam Aux Data



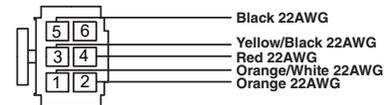
DVD Display



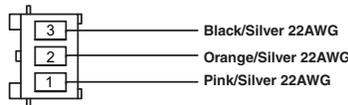
HDMI Switcher



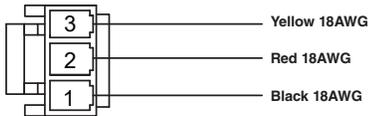
Rear Camera



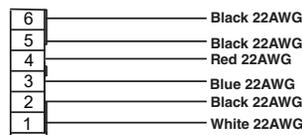
Key Harness



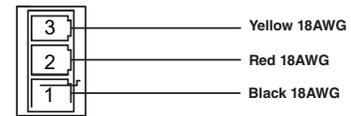
KAC-001 Power



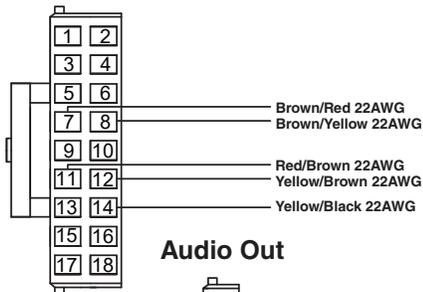
Direct Camera



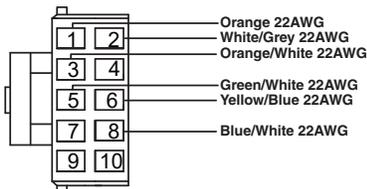
Alternate Power



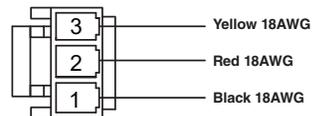
Data SWC



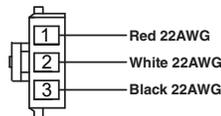
Radio I/O



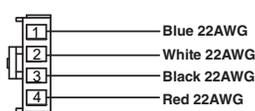
Power/ACC



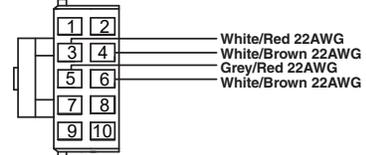
Audio Out



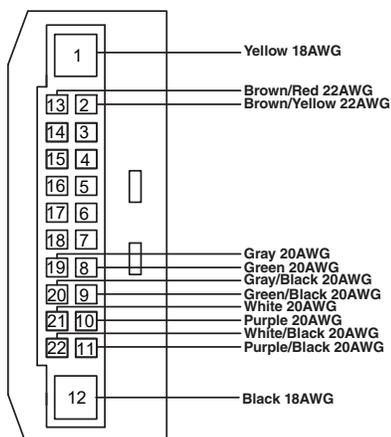
iDataLink



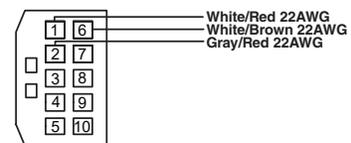
Audio In



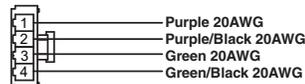
Wrangler Harness



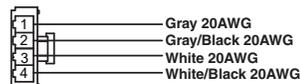
Wrangler Harness



Speaker Harness



Speaker Harness



Set Up Guide

- 1 Turn the vehicle's Ignition switch to ACC.
- 2 Turn ON the i207-WRA by pressing any key.
- 3 Select the user language and press OK.
- 4 With the vehicle parked, engage the parking brake, release the parking brake and engage the parking brake again.
- 5 If a camera is present, turn it ON in the system menu. (MENU/SETUP/SYSTEM/CAMERA/CAMERA SELECT)
- 6 AUDIO MUTE ON REVERSE- By default, when the vehicle is shifted into reverse the AUDIO will MUTE. If this feature is not desired turn it off in the AUDIO MENU (MENU/SETUP/SOUND/MUTE WHILE BACKING UP)
- 7 When the KCX-630HD (HDMI SELECTOR) is present be sure to turn it ON in the SETUP MENU. (MENU/ SYSTEM/EXTERNAL ACCESSORIES/HDMI SELECTOR)
- 8 Set the DVD player (if optional DVD player is installed). (MENU/SETUP/SOURCE/HDMI).
- 9 When the KAC-001 (External Accessory Control Module) is present be sure to turn it ON in the SETUP MENU. (MENU/SYSTEM/EXTERNAL ACCESSORIES/EXTERNAL ACCESSORY CTRL)
- 10 Vehicle information- Set the desired gauge information. (MENU/VEHICLE INFO/GAUGES/CAR SETTINGS)

Troubleshooting Guide

| Symptom | | Possible Cause | Remedy |
|---------|--|---|--|
| 1 | iDatalink website says serial number is invalid. | Serial number may not be in iDatalink database. | Call ADS at 1-866-427-2999 and verify. |
| 2 | Headunit will not turn on. | Incorrect serial number was used when flashing maestro. | Flash Maestro with correct serial number. |
| | | 4 pin Maestro data cable is disconnected or damaged. | Check for proper connection or disconnected pins. |
| | | Harness is unplugged | Verify every connection from the installation connections diagram. |
| 3 | Cannot enter SETTINGS MENU. | Vehicle is in motion or parking brake is not engaged. | With vehicle on (P)PARK, engage the parking brake, release the parking brake, and engage the parking brake a second time. |
| 4 | No output from RCA's | Maestro module is flashed for amplified system. | Re-flash module for non-amplified system. |
| 5 | CarPlay/ Android Auto map positioning issues | GPS antenna is positioned incorrectly | GPS antenna is obstructed and doesn't have line of sight to the sky. Perform a factory reset. The unit will automatically recalibrate. |
| 6 | iPhone or Android phone is not recognized when connected to the USB cable. | Loose or disconnected USB cable. | Check the USB connection behind the headunit. |
| | | Non-compatible cable | Use the cable supplied with the iPhone or Android phone. Third party adapters and long extensions may not work. Only use USB extension that came with the head unit. |
| | | Dirty charging port on phone | Clean charging port |