



CUSTOM-FIT CAR STEREO FOR Subaru Forester / WRX / WRX STi 2016-2021



VISION series

INSTALLATION MANUAL

Important Notice!

Please read this installation guide carefully before disassembling your vehicle or making any wire connections. Installing this product requires technical expertise, experience and specialized tools.

If you are unsure about performing the installation steps outlined in this manual, we strongly recommend having the product professionally installed by an authorized VINLAND dealer.

Retain Your Factory Features with Vinland Vision (via Maestro RR)

Upgrade without compromise—Vinland Vision, when paired with the Maestro RR module, preserves select OEM features so you can enjoy modern technology while keeping the conveniences you love.

Explore the table below for a complete overview of retainable functions.

Note: Listed features are for reference only. Actual retained functions may vary by vehicle model year, trim, and regional specifications.

Feature	Retention Status
OEM Camera	Retained
Steering Wheel Controls	Retained
Navigation Outputs	Retained
Factory Amplifier	Retained
Vehicle Settings	Retained
Advanced Camera Features	Retained
Gauges	Retained
Park Assist	Retained
Vehicle Info	Retained

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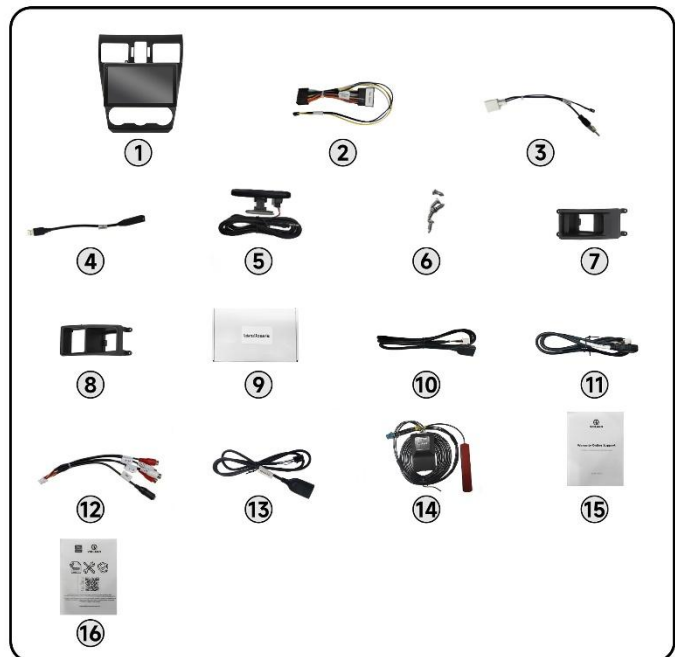
Chapter 1 Tools Needed & Packing List

Tools needed for installation: plastic pry tools, Socket wrench (7mm or 10mm, depending on your stereo), Screwdriver, Electrical tape, Scissors, Wrench, Screw Tray/Box, Cable Ties.

Warning:

- We regularly release system updates that may introduce new features or changes not covered in this manual. Always refer to the latest release notes for comprehensive details.
- Download the latest Installation Manual from our website or contact customer support for assistance.
- We strive for comprehensive documentation. If you have questions or encounter issues with your car stereo not covered in this manual, please get in touch with customer support.

- ①. Car Stereo with Mounting Frame
- ②. Power Adapter
- ③. TO Radio Antenna Adapter
- ④. USB Adapter
- ⑤. External Dual MIC
- ⑥. PA 2.6mm × 6mm screws
- ⑦. Single-Button Hazard Switch Mounting Bezel
- ⑧. Double-Button Hazard Switch Mounting Bezel
- ⑨. Universal Accessories Box
- ⑩. USB to 4-pin: USB 1 Phone Link
- ⑪. USB to 6 Pin: USB 2 External Storage
- ⑫. Tri-band Audio with Remote Receiver
- ⑬. 4G SIM Slot Cable
- ⑭. 4-in-1 Antenna (GPS/WIFI/4G-ANT)
- ⑮. Warranty Online Support
- ⑯. Product Manual

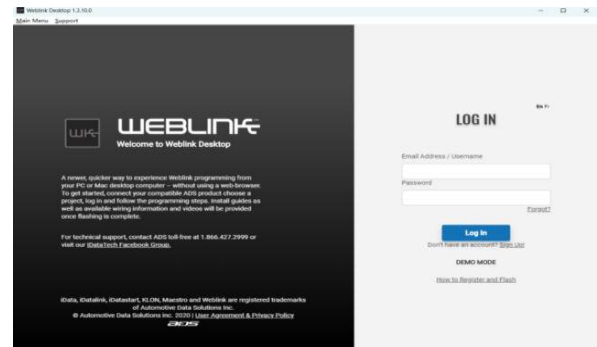
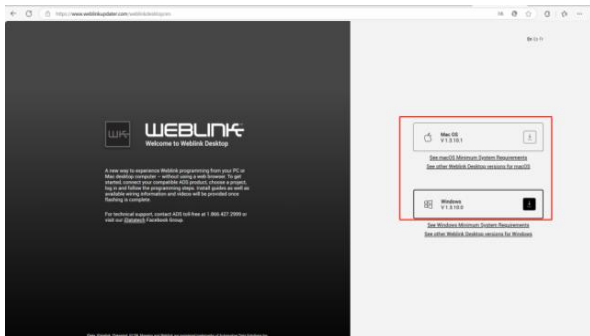


To Retain OEM Features

You'll need the Maestro RR interface and the vehicle-specific T-Harness (sold separately).

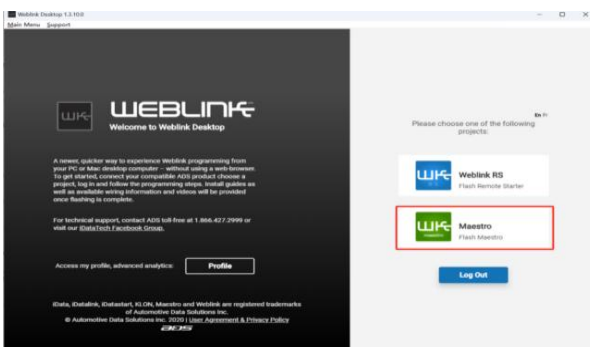
Chapter 2 Maestro RR Configuration

To ensure optimal operation and seamless communication with your vehicle, Weblink Desktop must be installed before using the Maestro RR. This software is essential for device configuration, data transfer, and remote management.

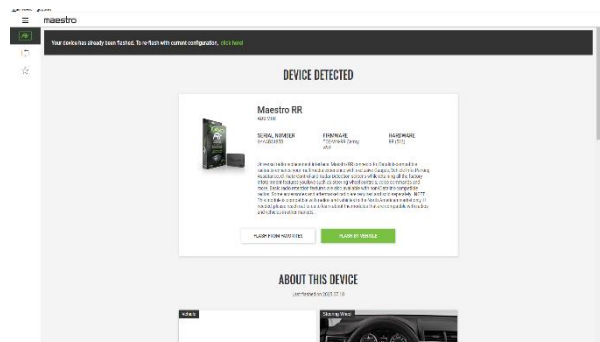


1. Go to <https://www.weblinkupdater.com/weblink/desktop/en> and download the Weblink Desktop software.

2. Initiate a new Weblink account or sign in to an existing one.

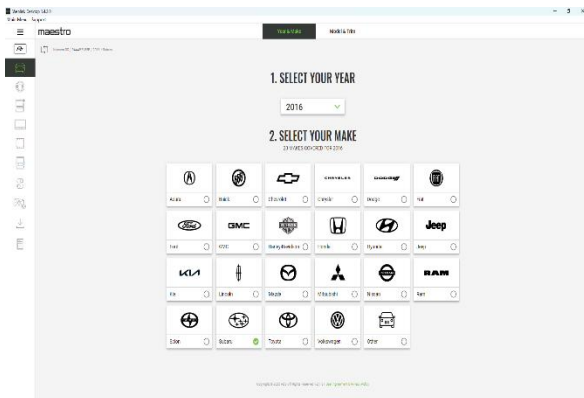


3. Connect the Maestro RR module to your computer using the included USB cable, then select the "Flash Maestro" option.

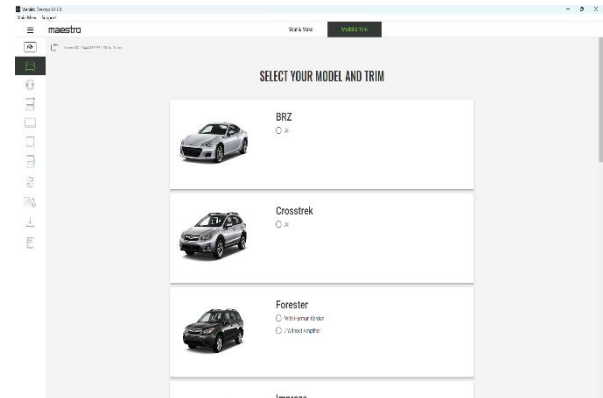


4. Weblink Desktop will automatically detect the connected Maestro RR module and display its corresponding details, such as the serial number and current firmware version. Then, select "FLASH BY VEHICLE" to proceed with the configuration process.

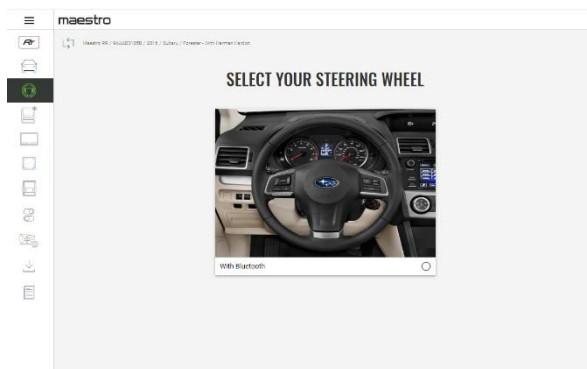
5. Specify the vehicle and car stereo information by entering the required details in the sequence outlined below:



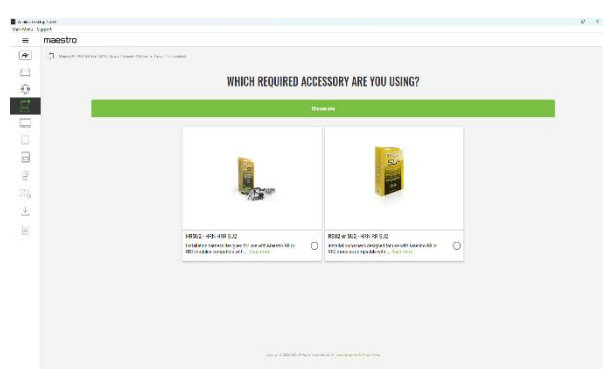
① Select the vehicle model year and make.



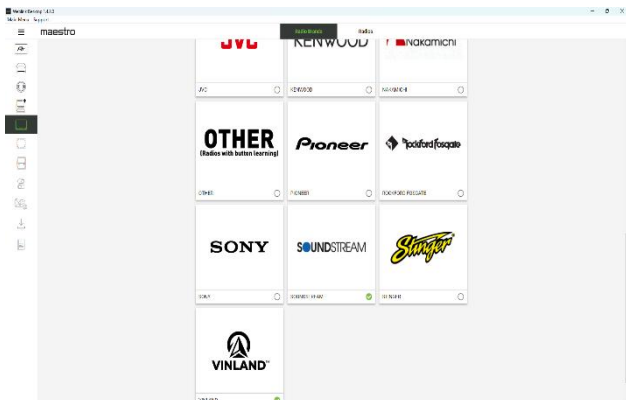
② Select the appropriate vehicle model.



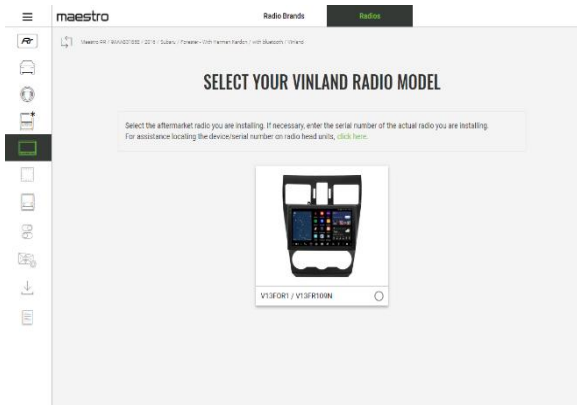
③ Select the appropriate steering wheel for your vehicle's make and model.



④ Select required accessories for the Maestro RR interface.



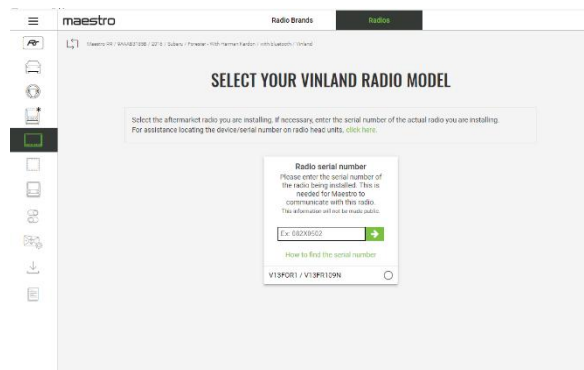
⑤ Choose VINLAND as the brand of the car stereo.



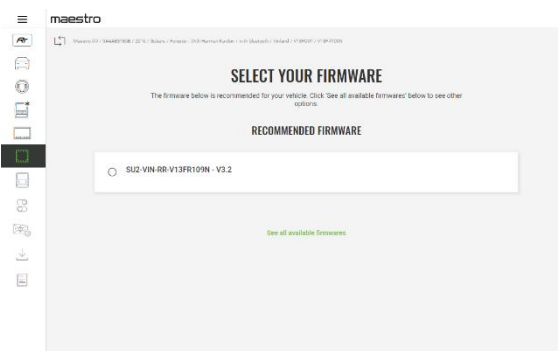
⑥ Select the exact model corresponding to the car stereo you have purchased.



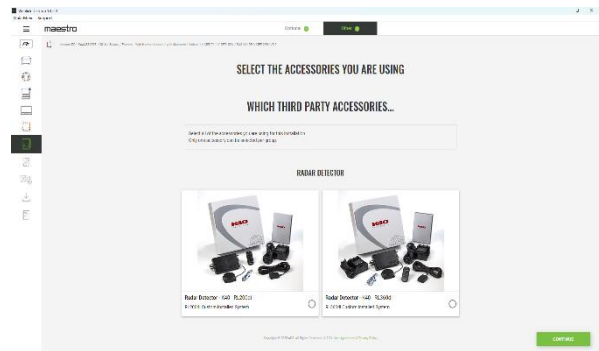
Every car stereo carries a unique serial number—please locate and reference the one found on your car stereo.



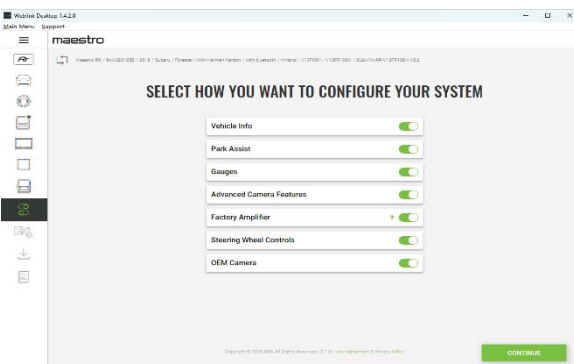
⑦ Enter the 8-digit serial number located on the rear of the car stereo.



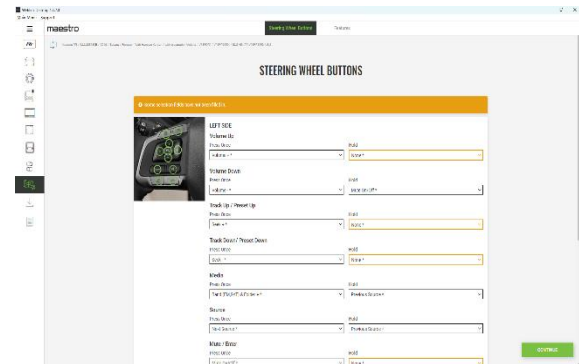
- ⑧ Select the correct firmware version from the available options.



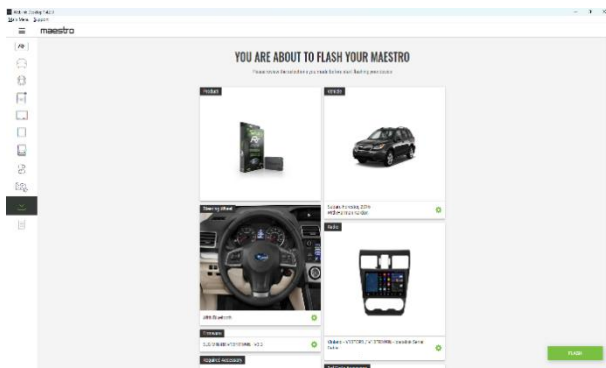
6. Select the accessories currently in use.



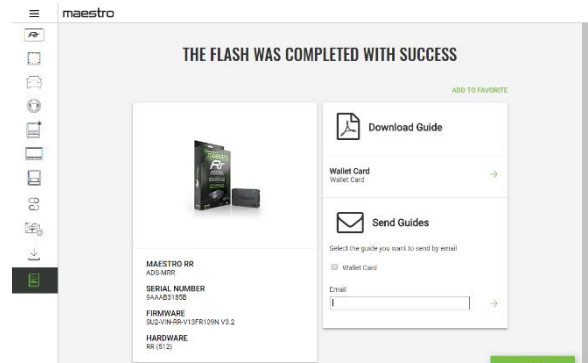
7. The system will automatically apply the recommended settings. If no adjustments are required, simply click "CONTINUE" to proceed to the next step.



8. The default steering wheel button functions will be displayed on the interface. If needed, adjust the button assignments according to user preferences and save the settings.

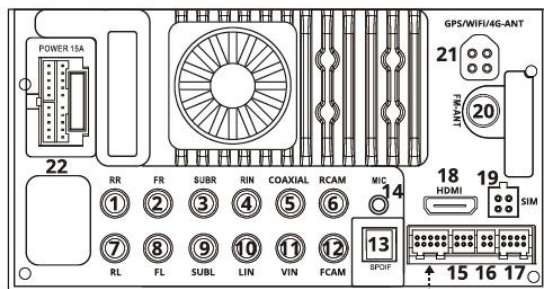


9. Review the firmware version, custom settings, and vehicle/head unit info. Click "FLASH" to update the Maestro RR module. Do not disconnect the module or USB during the process.



10. Once the firmware update is complete, you will see a "Flash Successful" message. Download the installation guide for the module and proceed with the next steps for in-vehicle installation.

Chapter 3 Ports Function Overview



SWC
Front Right Midrange Output
Front Left Midrange Output
Front Left Tweeter Output
Front Right Tweeter Output

1. Rear Right Audio Output
2. Front Right Audio Output
3. Subwoofer Output Right
4. Right Channel Auxiliary Audio Input
5. Coaxial Output
6. Rear Camera Input
7. Rear Left Audio Out
8. Front Left Audio Out
9. Subwoofer Output Left
10. Left Channel Audio Input
11. Video Input
12. Front Camera Input
13. Optical SPDIF Output
14. Microphone Input
15. USB2 External Storage
16. USB1 Recording Storage
17. Rear Recording Camera Input
18. Front Recording Camera Input
19. HDMI Input
20. 4G LTE Adapter Interface
21. F-M-ANT-Radio Antenna Input
22. 4-in-1 Antenna-4G/WiFi/GPS
22. Car Stereo Fuse

Chapter 4 Installation Process

1. Disassembly and Assembly

This part provides a brief overview of the procedures required to remove the factory stereo and install the new car stereo. The instructions are specifically designed for Subaru Forester (2016-2018)/WRX/WRX STI (2016-2021) models and are intended to guide you through the process safely, accurately, and efficiently.

Part 1 Disassembly



Step 1

Switch off the Vehicle's ignition.



Step 2

Remove the glove compartment located in front of the passenger seat.



Step 3

Use a socket wrench to remove the mounting bracket screws from the left side of the factory CD player on the passenger side.



Step 4

Note: For manual climate control systems with control rods, carefully detach the retaining clips from both ends of each rod.



Step 5

Using a plastic pry tool, detach the trim panel on the left side of the driver's center console, then remove the mounting screws.



Step 6

Remove the trim panel under the steering wheel.



Step 7

Remove the screw securing the CD player mounting bracket on the right side of the driver's center console.



Step 8

Disengage the factory air vents from the dashboard and disconnect the hazard warning flasher switch connector.



Step 9

Using a socket wrench, remove the mounting screws on both sides of the factory CD player.



Step 10

Remove the factory CD player and climate control module from the dashboard, then disconnect the rear wiring connectors.



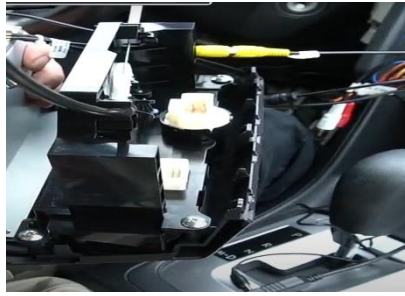
Step 11

Install the hazard warning flasher switch mounting bracket onto the new bezel, securing it with screws. (Select the bracket shape that matches the original button layout of the vehicle.)



Step 12

Transfer the factory vents and hazard warning flasher switch to the new bezel.



Step 13

Remove the factory climate control module from the original bezel and secure it into the new bezel with the screws.

Part 2 Cable Harness Connection

Refer to the detailed wiring connection steps provided below for different configurations of the Subaru Forester (2016-2018) & WRX & WRX STI (2016-2021).

Part 3 Assembly



Install the Vision car stereo together with its corresponding panel kit onto the vehicle.

2. Cable Harness Connection

Subaru Forester with 6.2 inch screen 2016-2017

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8-pin connector behind the OEM Radio.

STEP 4

- Connect the HRR-SU2 2-pin black connector to black connector of OBDII extension harness.

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, then plug the other white connector into the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and the other black connector into the USB Adapter.
- Insert the other end of the USB Adapter into the vehicle.

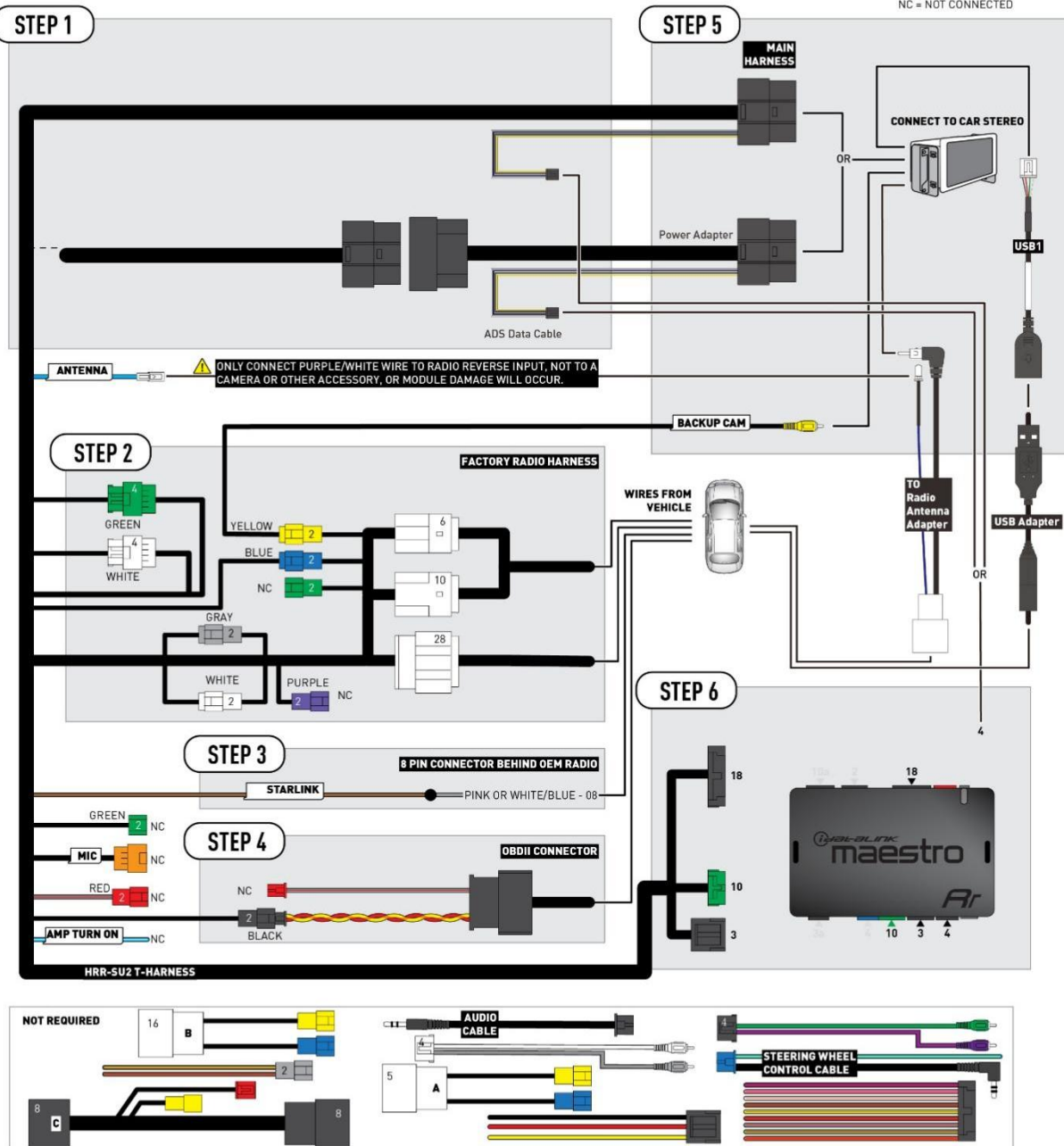
STEP 6

- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

- Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.
- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru Forester with 6.2 inch screen 2016-2017]

Subaru Forester with 6.2 inch screen and Harman Kardon 2016-2017

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8-pin connector behind the OEM Radio.

STEP 4

- Connect the HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the

vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, then connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, then connect the other end to the USB Adapter.
- Insert the other end of the USB Adapter into the vehicle.

STEP 6

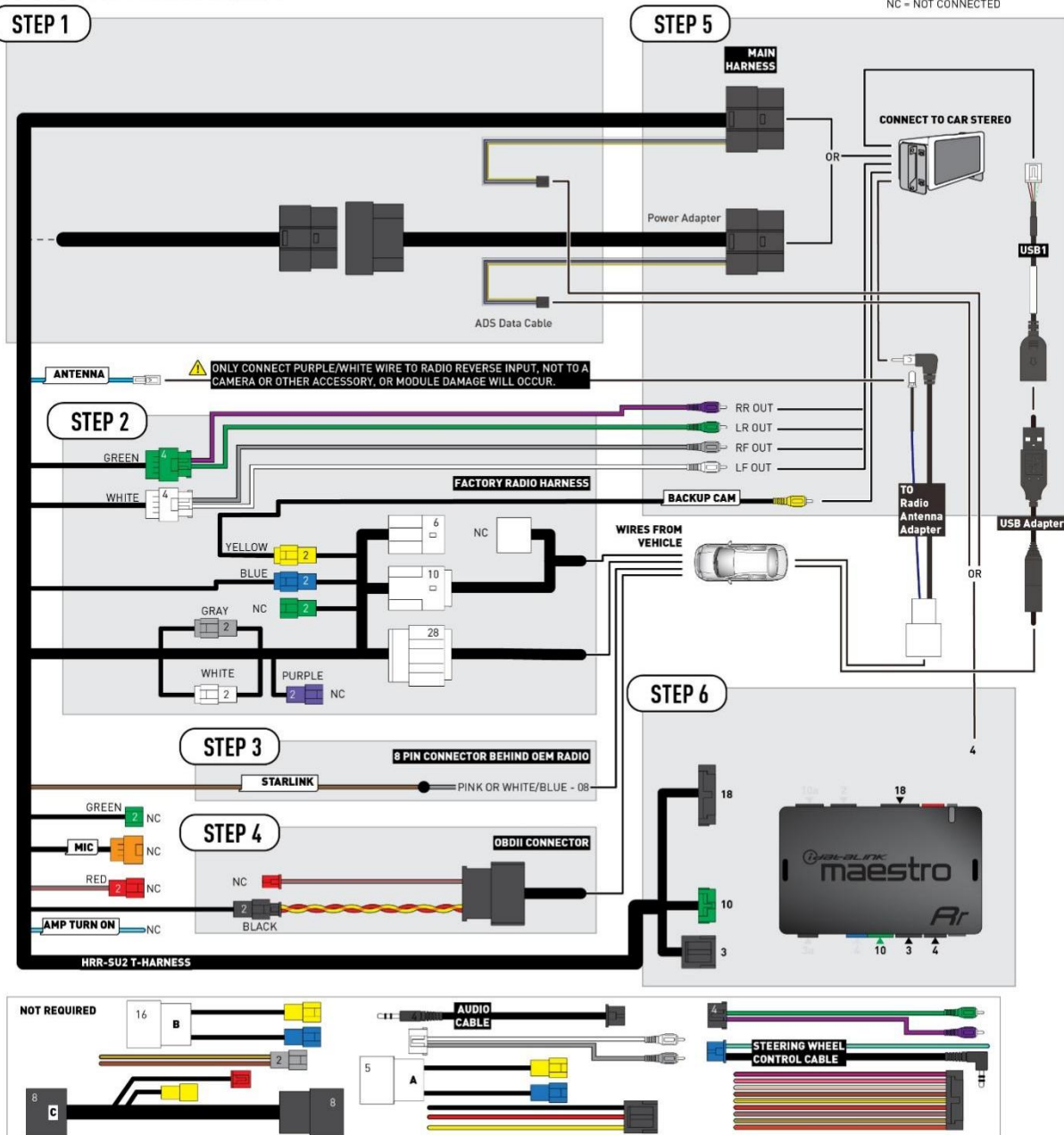
- Plug the ADS Data Cable of Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru Forester with 6.2 inch screen and Harman Kardon 2016-2017]

Subaru Forester with 6.5 inch screen 2018

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
 - Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin2) of the 40 pin climate control connector.
- Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, then connect the other end to the USB Adapter.
- Plug the white connector of USB1 Cable into the car stereo, and connect the other end to the USB Adapter. Then insert the other end of USB Adapter into the vehicle.

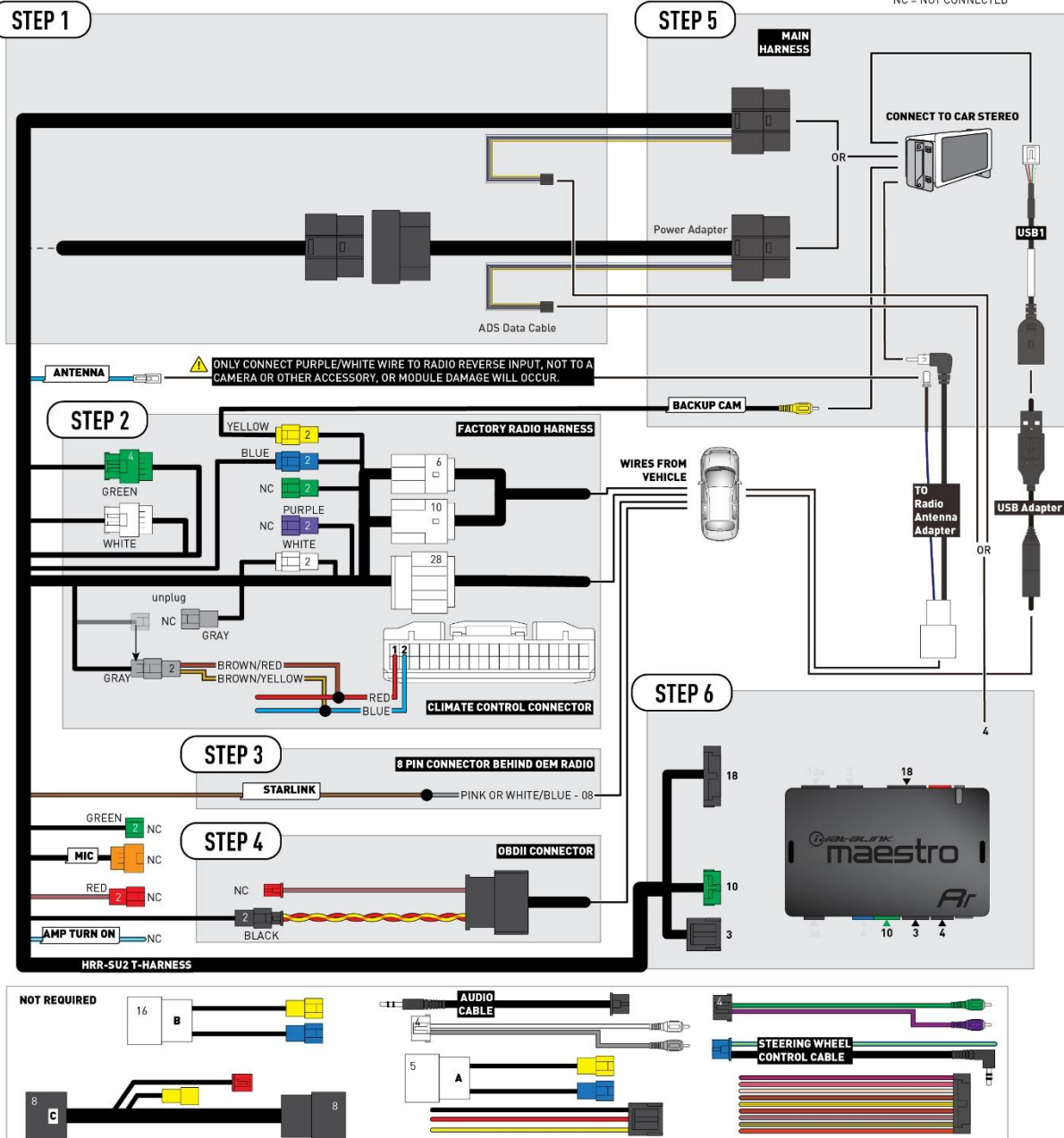
STEP 6

- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

- Plug the ADS Data Cable of Power Adapter into the 4-pin port of the Maestro RR module.
- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru Forester with 6.5 inch screen 2018]

Subaru Forester with 6.5 inch screen and Harman Kardon 2018

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of Power Adapter into the aftermarket car stereo

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and the other end into the USB Adapter. Then connect the other end of the USB Adapter to the vehicle.

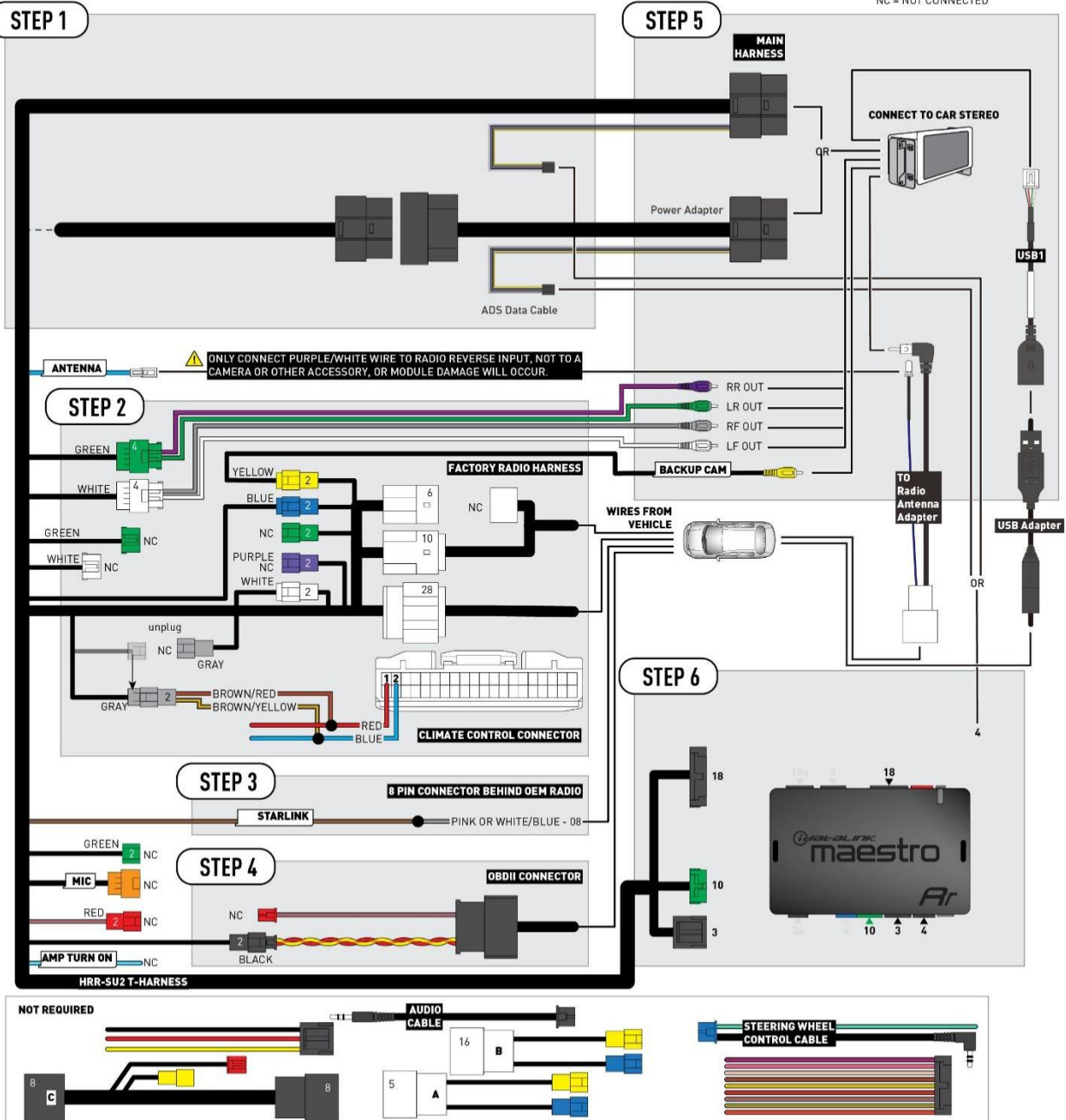
STEP 6

- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

- Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.
- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru Forester with 6.5 inch screen and Harman Kardon 2018]

Subaru Forester with 7 inch screen 2016-2017

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, and then plug the other end of the Power Adapter into the car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket car

stereo.

- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and the other end into the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 5

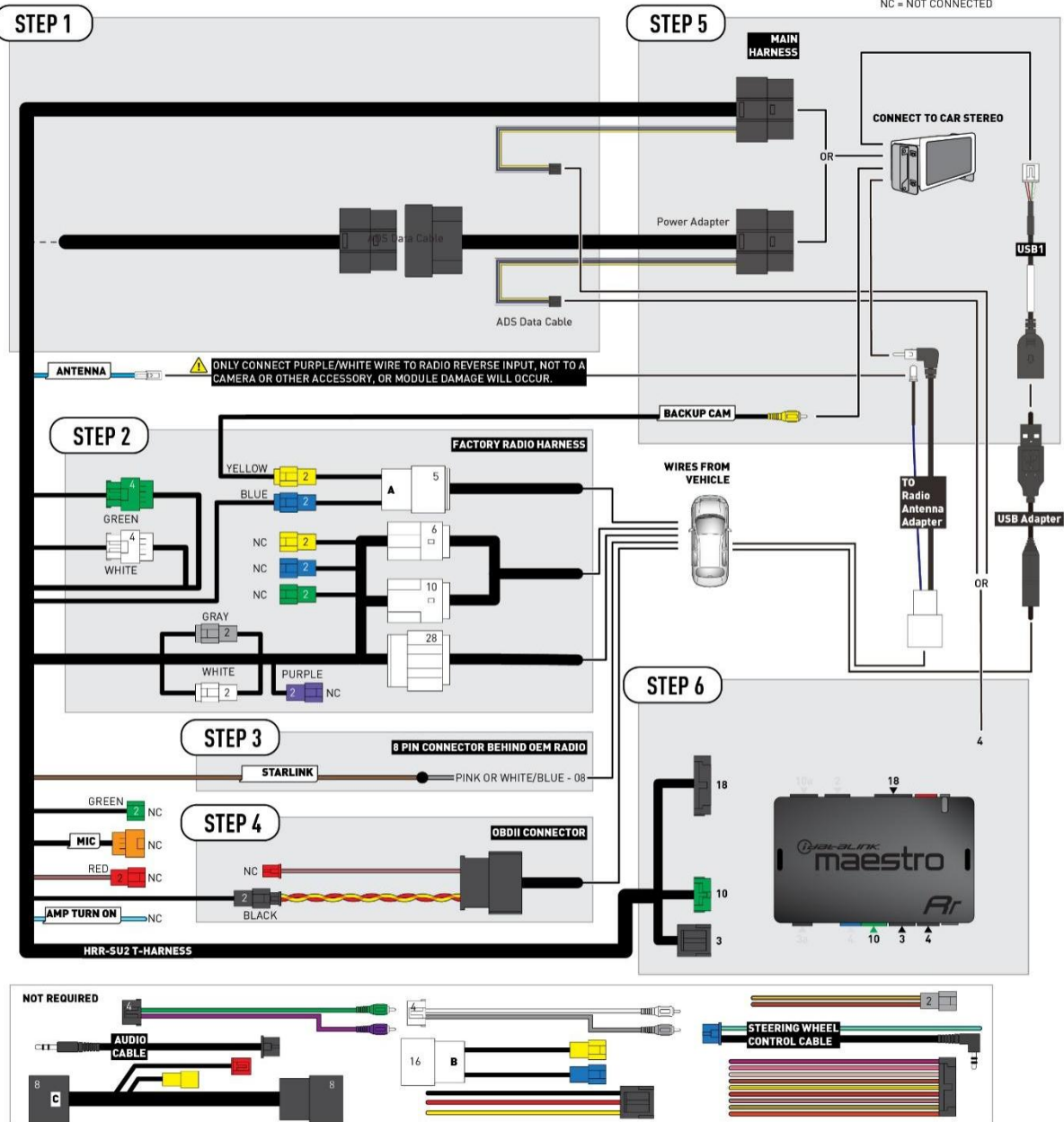
- Plug the ADS Data Cable of Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru Forester with 7 inch screen 2016-2017]

Subaru Forester with 7 inch screen 2018

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

- Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and the other black connector into the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

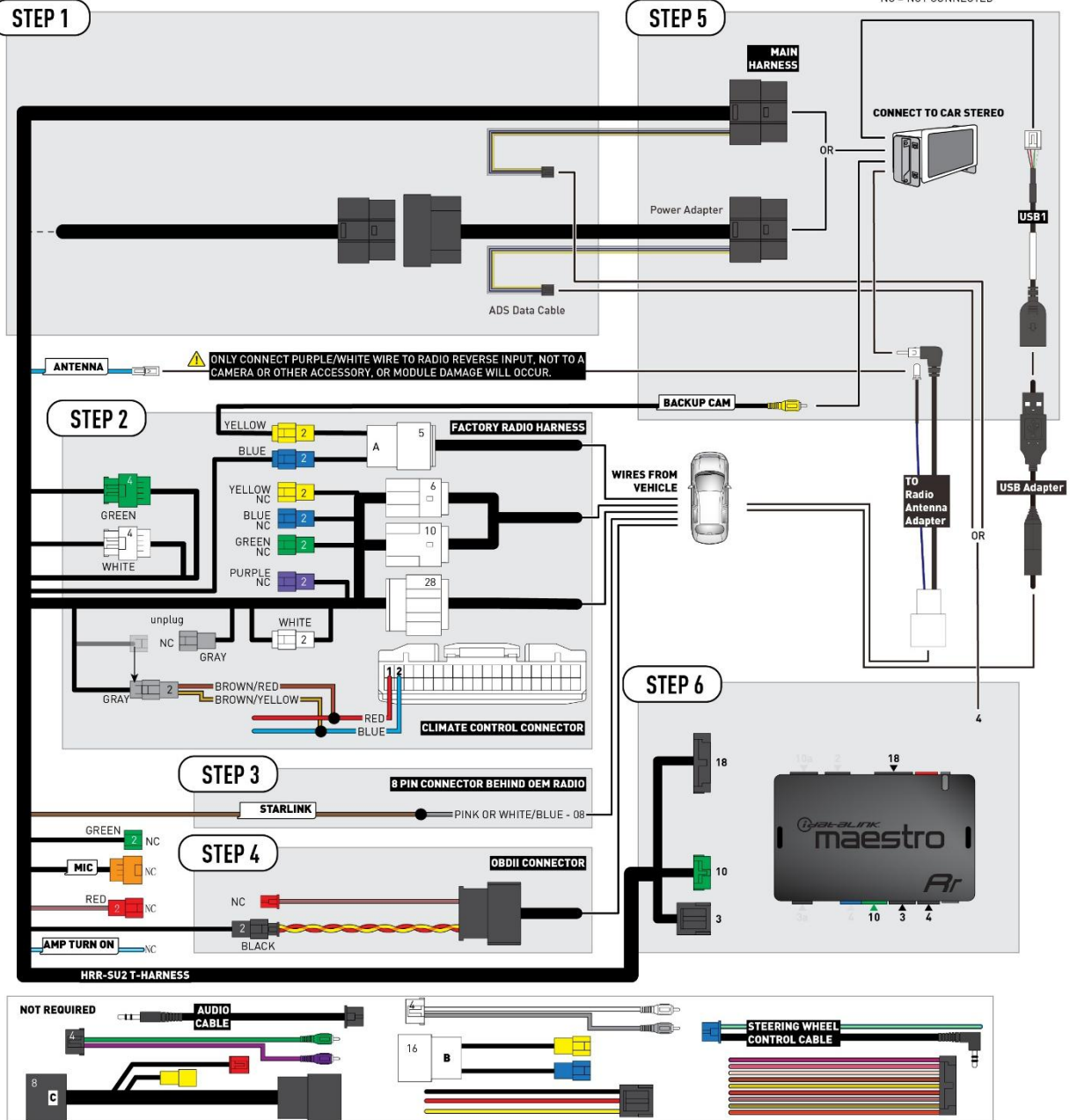
STEP 6

- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

- Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.
- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru Forester with 7 inch screen 2018]

Subaru Forester with 7 inch screen and Harman Kardon 2016-2017

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, and then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8-pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the

vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and the other end into vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and the other black connector into the USB Adapter. Then connect the other end of USB Adapter to the vehicle.

STEP 6

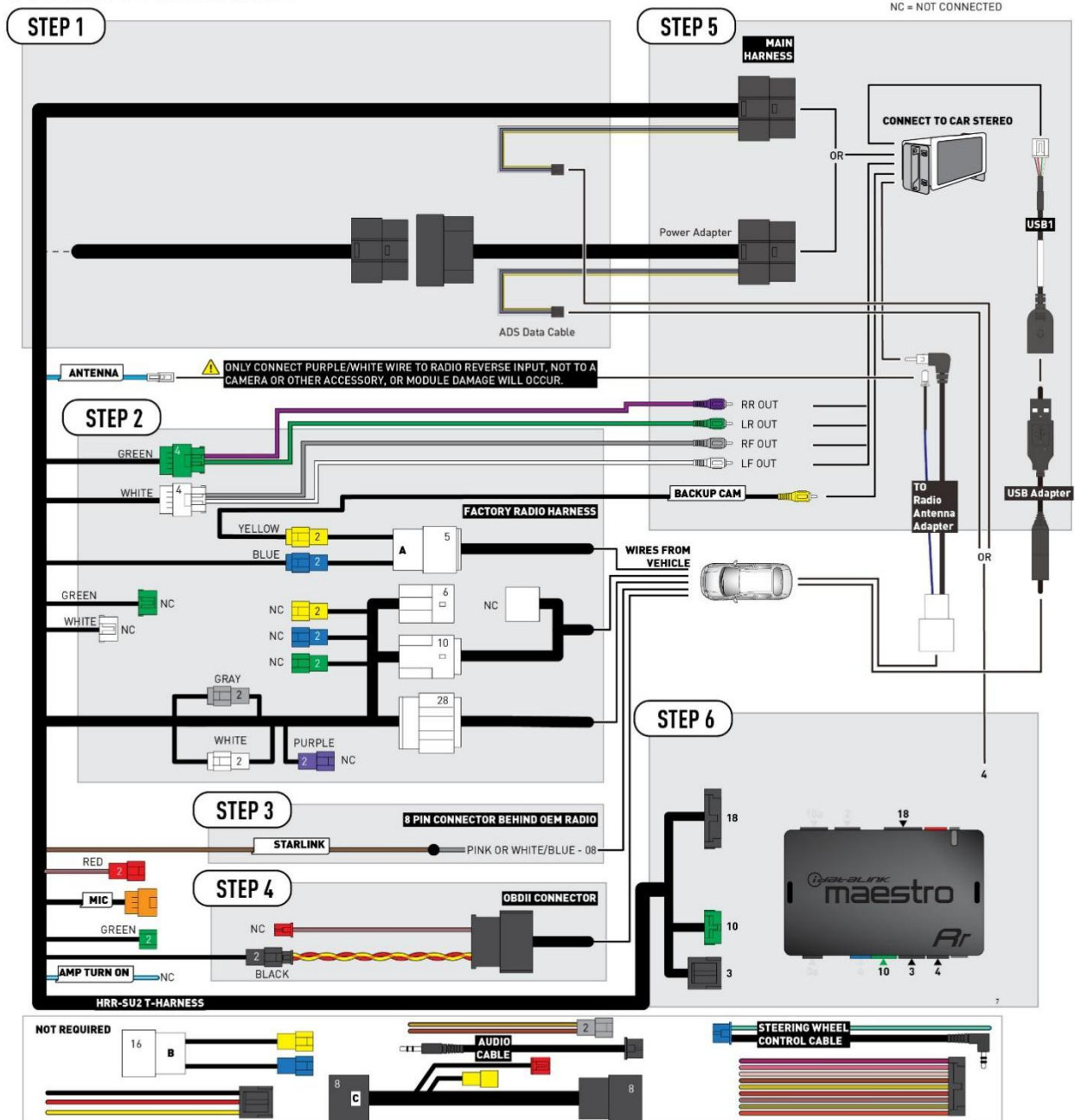
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru Forester with 7 inch screen and Harman Kardon 2016-2017]

Subaru Forester with 7 inch screen and Harman Kardon 2018

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, and then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and the other end into the Vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and then the other end into the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

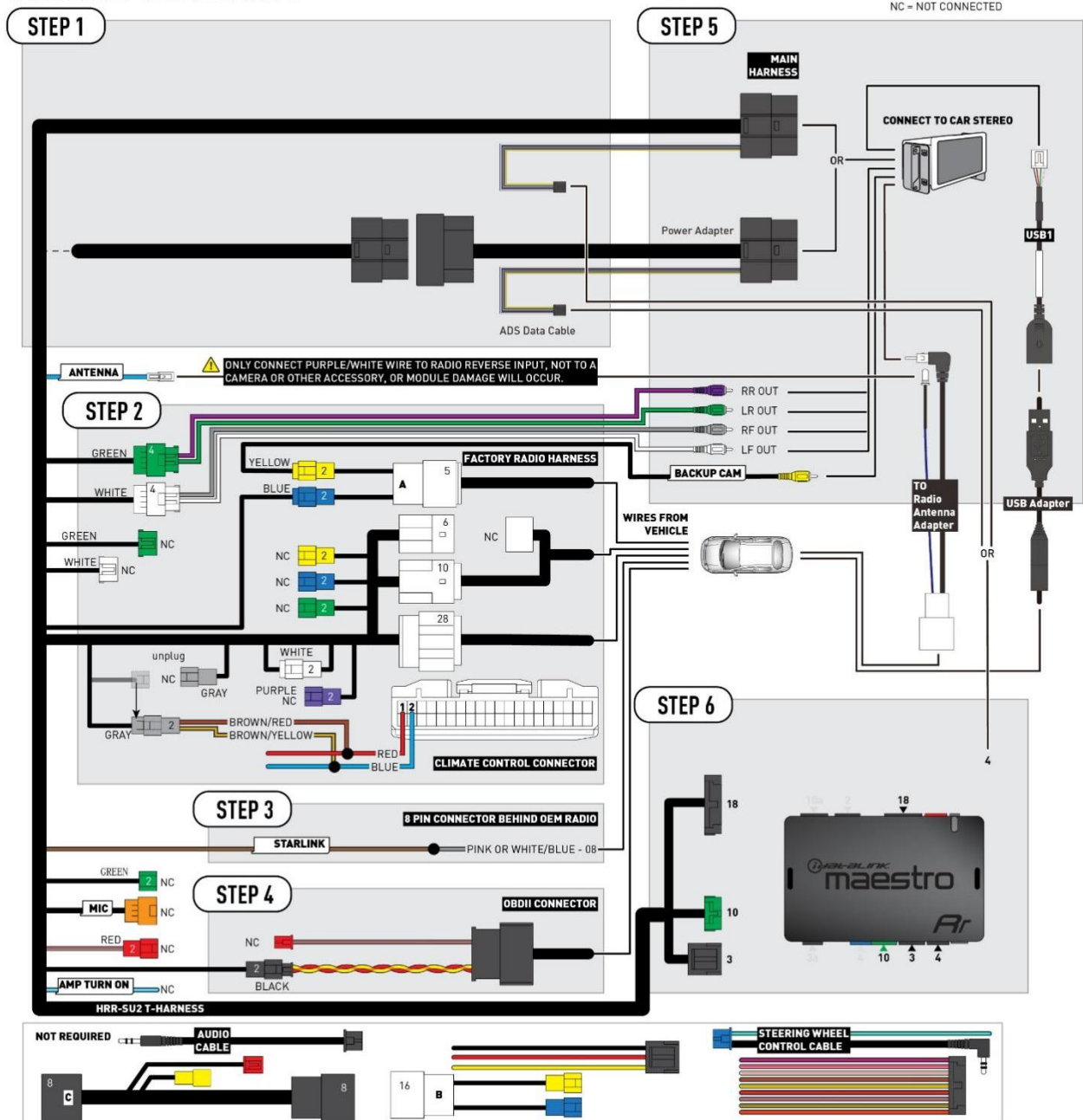
- Plug the ADS Data Cable of the Main Harness into the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru Forester with 7 inch screen and Harman Kardon 2018]

Subaru WRX STI with 6.2 inch screen 2016-2017

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and the other black connector into the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

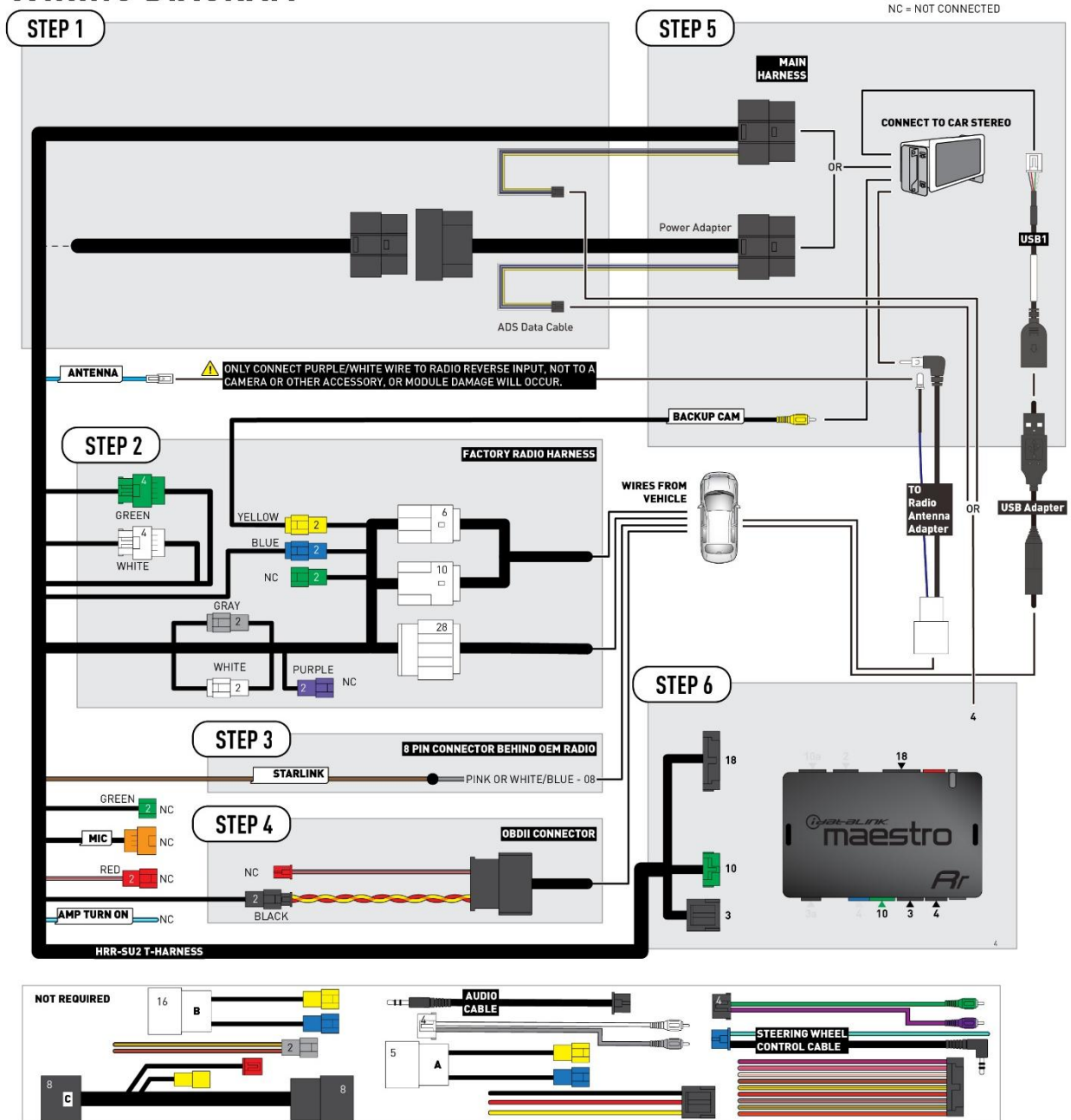
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX STI with 6.2 inch screen 2016-2017]

Subaru WRX STI with 6.2 inch screen and Harman Kardon 2016-2017

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of Power Adapter into the car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to the black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the

vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and connect the other end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

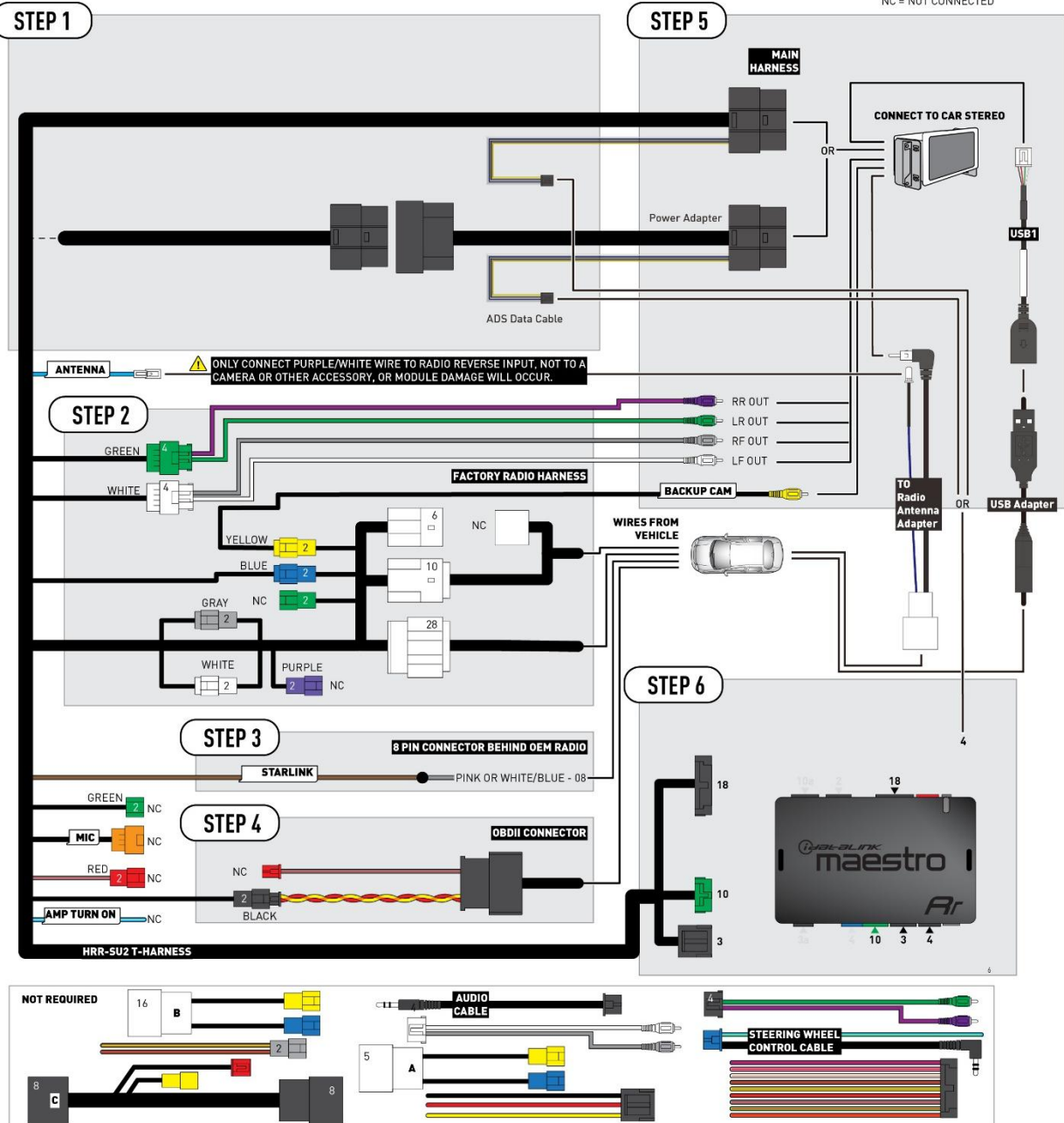
STEP 6

- Plug the ADS Data Cable of Main Harness into the 4-pin port of the Maestro RR module.

OR

- Plug the ADS Data Cable of Power Adapter into the 4-pin port of the Maestro RR module.
- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX STI with 6.2 inch screen and Harman Kardon 2016-2017]

Subaru WRX STI with 6.5 inch screen 2018

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and the other black connector into the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

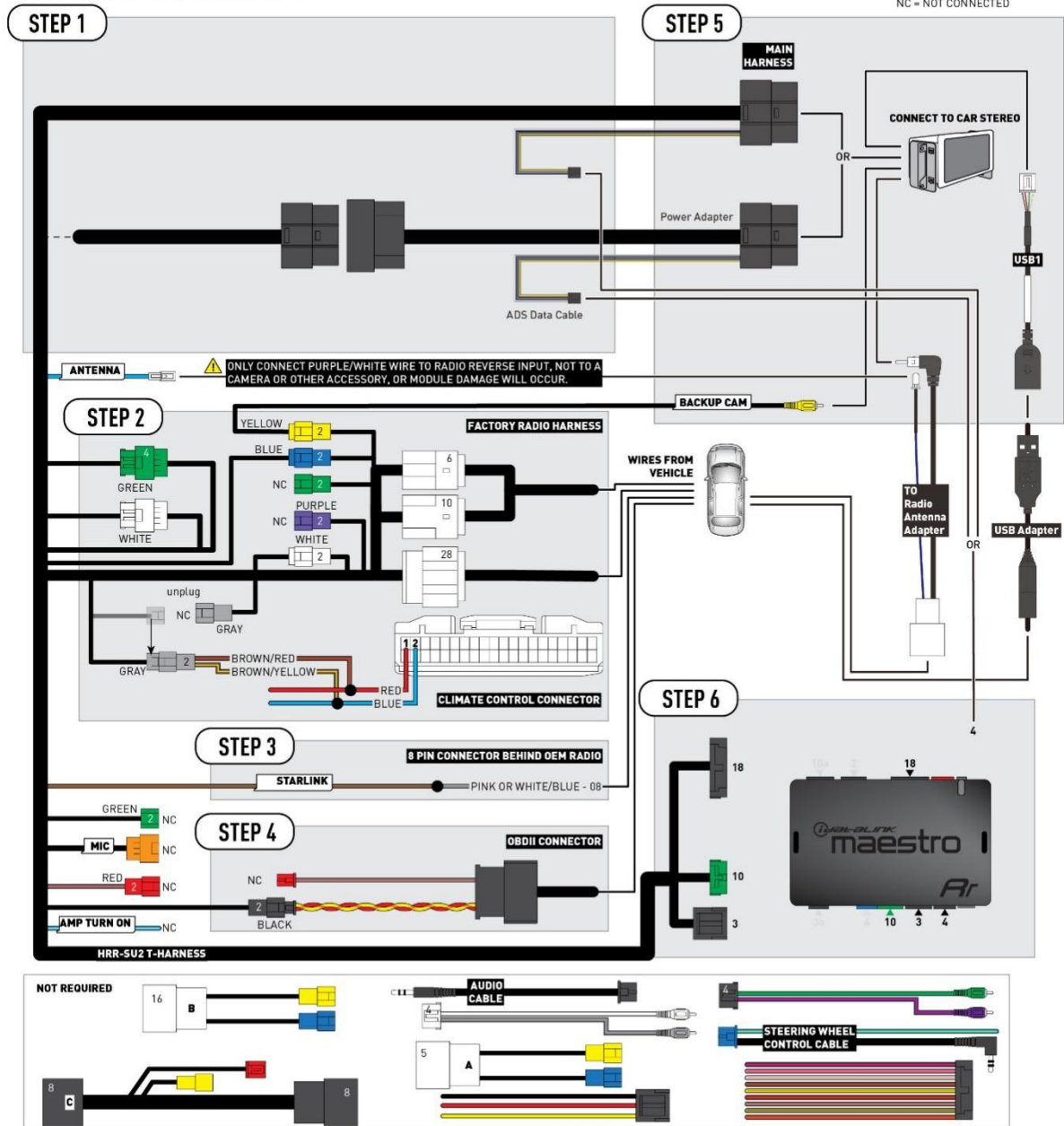
STEP 6

- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

- Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.
- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX STI with 6.5 inch screen 2018]

Subaru WRX STI with 6.5 inch screen and Harman Kardon 2018

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of Power Adapter into the car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin 2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and the other end into the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

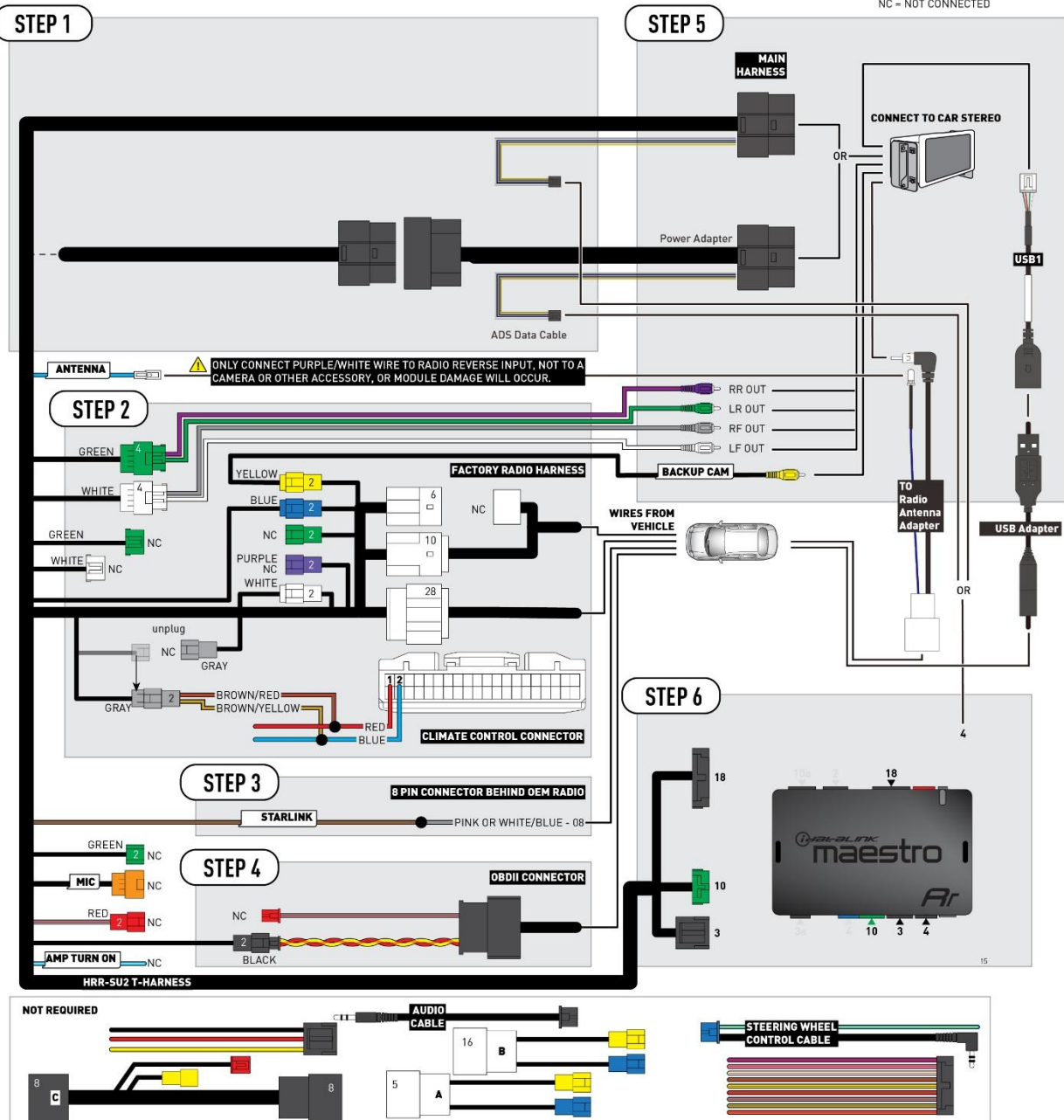
- Plug the ADS Data Cable of Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX STI with 6.5 inch screen and Harman Kardon 2018]

Subaru WRX STI with 6.5 inch screen without AMP 2019-2021

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, and connect the other end of Power Adapter to the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin 2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 24) of the 28 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and the other black end into the USB Adapter. Then connect the other end of the USB Adapter to the vehicle.

STEP 6

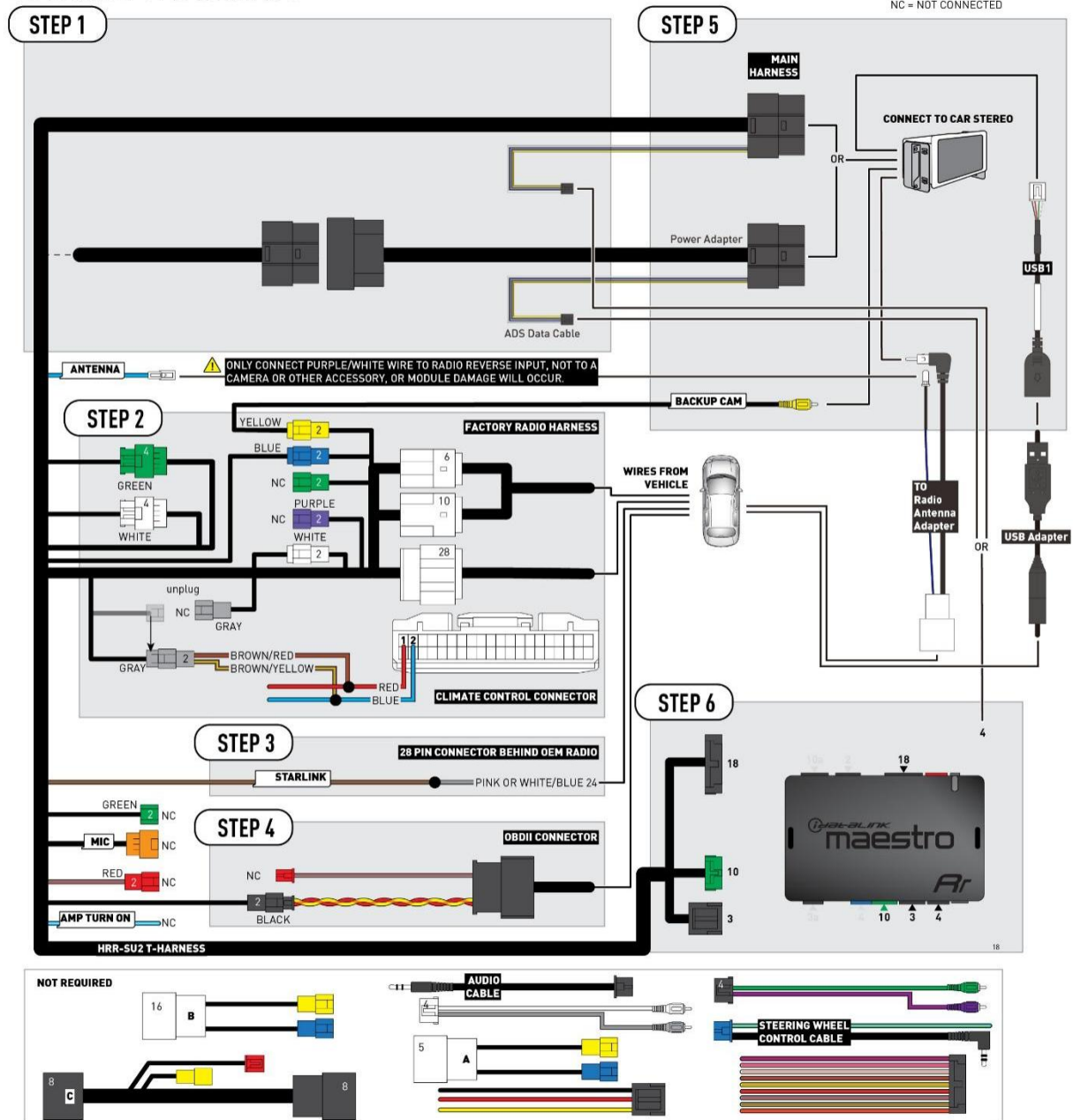
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX STI with 6.5 inch screen without AMP 2019-2021]

Subaru WRX STI with 7 inch screen 2016-2017

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the Maestro RR module.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of Power Adapter into the car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 24) of the 28 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the To Radio Antenna Adapter into the aftermarket car stereo and Power ANT Separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and the other black connector into the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

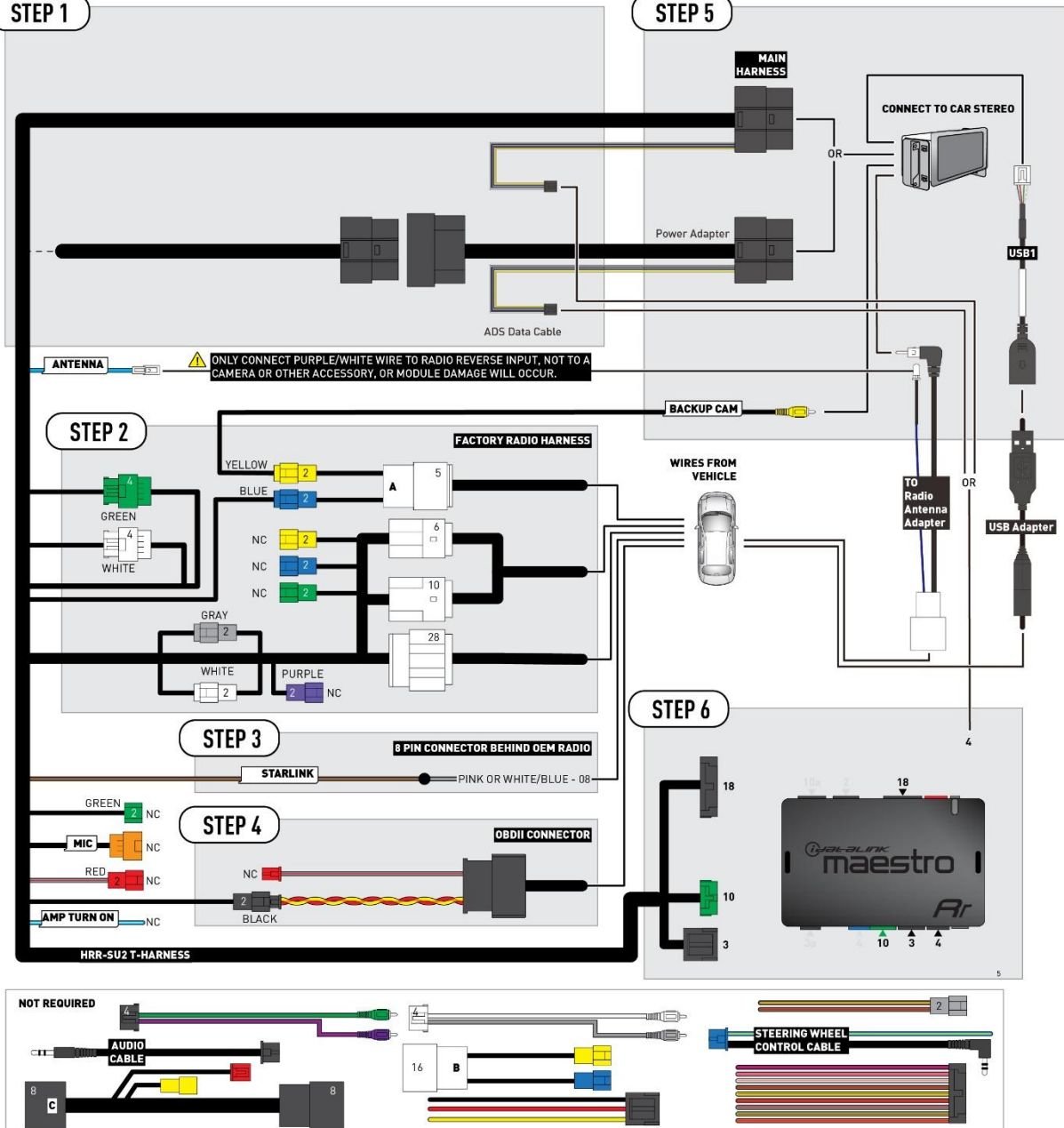
- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM

STEP 1

STEP 5

NC = NOT CONNECTED



[Connection diagram of Subaru WRX STI with 7 inch screen 2016-2017]

Subaru WRX STI with 7 inch screen 2018

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of Power Adapter into the car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and the other end into the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

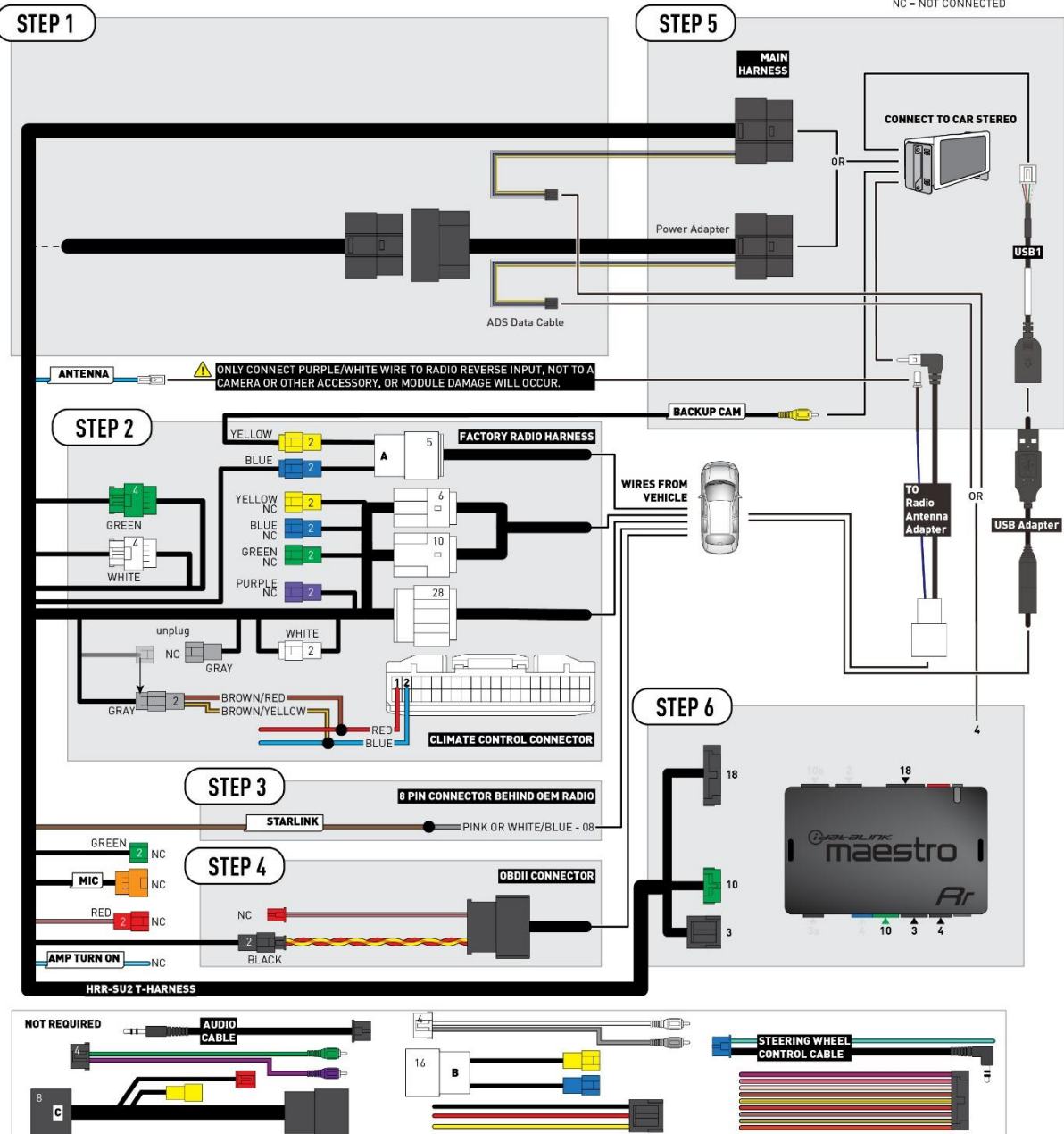
STEP 6

- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

- Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.
- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX STI with 7 inch screen 2018]

Subaru WRX STI with 7 inch screen and Harman Kardon 2016-2017

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the

vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket radio outputs.
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and connect the other end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

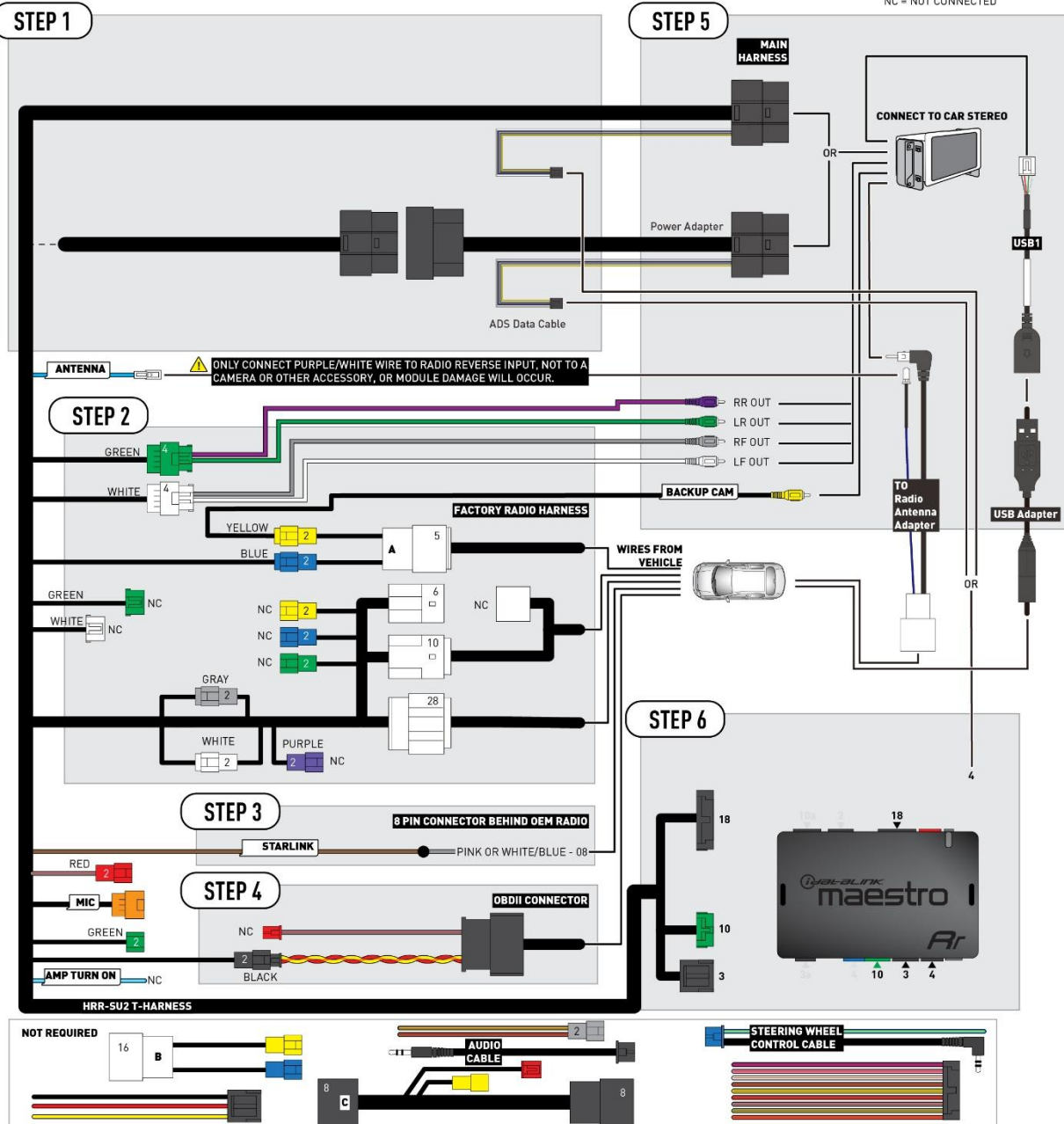
- Plug the ADS Data Cable of Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX STI with 7 inch screen and Harman Kardon 2016-2017]

Subaru WRX STI with 7 inch screen and Harman Kardon 2018

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin 2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of USB1 cable into the car stereo, and connect the other black connector to the USB Adapter. Then insert the other end of USB Adapter into the vehicle.

STEP 6

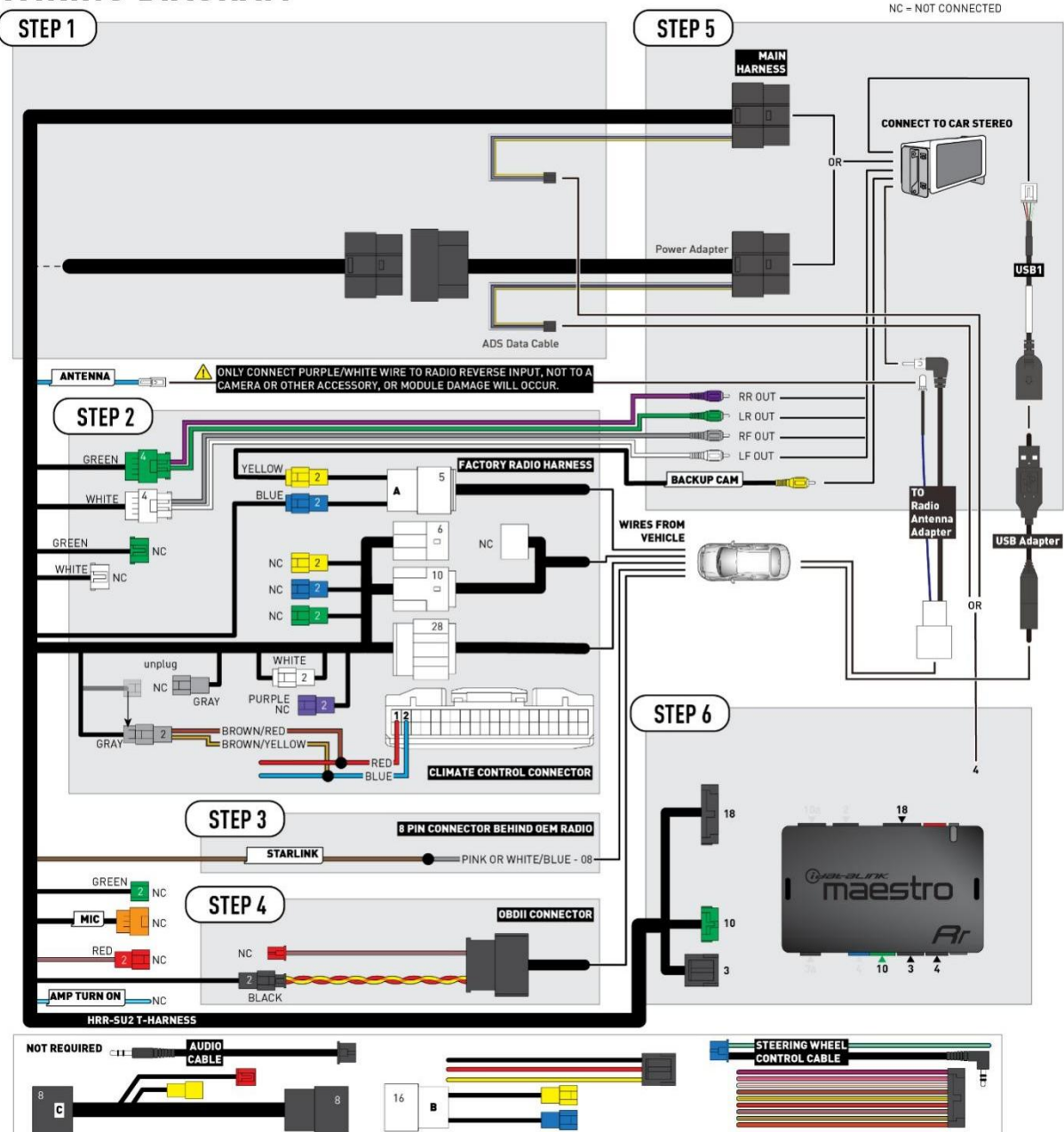
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX STI with 7 inch screen and Harman Kardon 2018]

Subaru WRX STI with 7 inch screen without AMP 2019-2021

STEP 1

- Connect the Main Harness of HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin 2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 24) of the 28 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and connect the other black end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

STEP 1

STEP 2

STEP 3

STEP 4

STEP 5

STEP 6

WIRING DIAGRAM:

COMPONENTS: MAIN HARNESS, POWER ADAPTER, ADS DATA CABLE, ANTENNA, FACTORY RADIO HARNESS, WIRES FROM VEHICLE, BACKUP CAM, TO Radio Antenna Adapter, USB1, USB Adapter, CLIMATE CONTROL CONNECTOR, STARLINK, MIC, AMP TURN ON, OBDII CONNECTOR, HRR-SU2 T-HARNESS, AUDIO CABLE, STEERING WHEEL CONTROL CABLE.

WARNINGS: ONLY CONNECT PURPLE/WHITE WIRE TO RADIO REVERSE INPUT, NOT TO A CAMERA OR OTHER ACCESSORY, OR MODULE DAMAGE WILL OCCUR. NC = NOT CONNECTED.

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Subaru WRX with 6.2 inch screen 2016-2017

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.

- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and connect the other end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

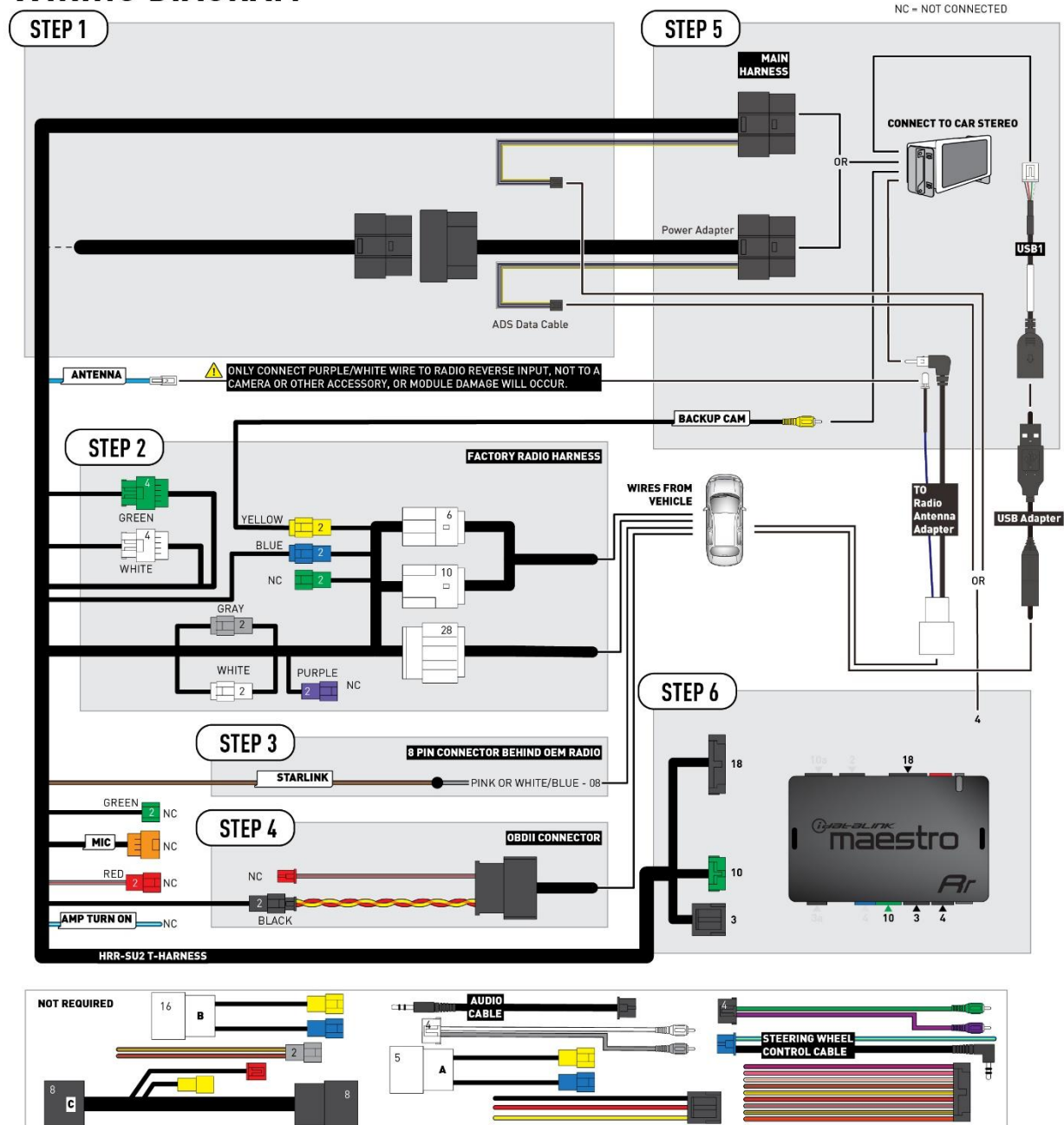
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX with 6.2 inch screen 2016-2017]

Subaru WRX with 6.2 inch screen and Harman Kardon 2016-2017

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the

vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and the other black connector into the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

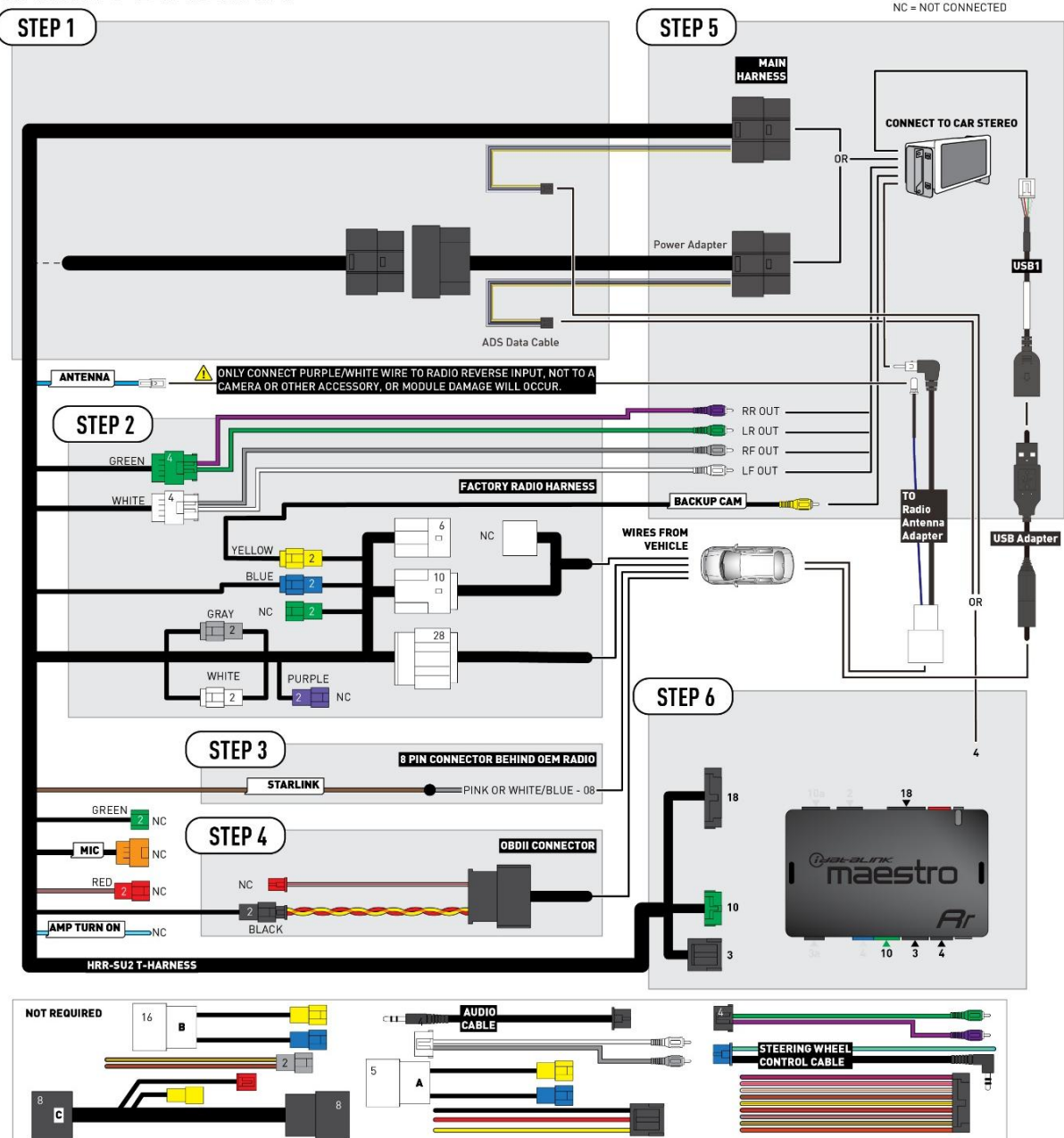
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX with 6.2 inch screen and Harman Kardon 2016-2017]

Subaru WRX with 6.5 inch screen 2018

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin 2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the car stereo, and connect the other end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

STEP 1



[Connection diagram of Subaru WRX with 6.5 inch screen 2018]

Subaru WRX with 6.5 inch screen and Harman Kardon 2018

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin 2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and connect the other black end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

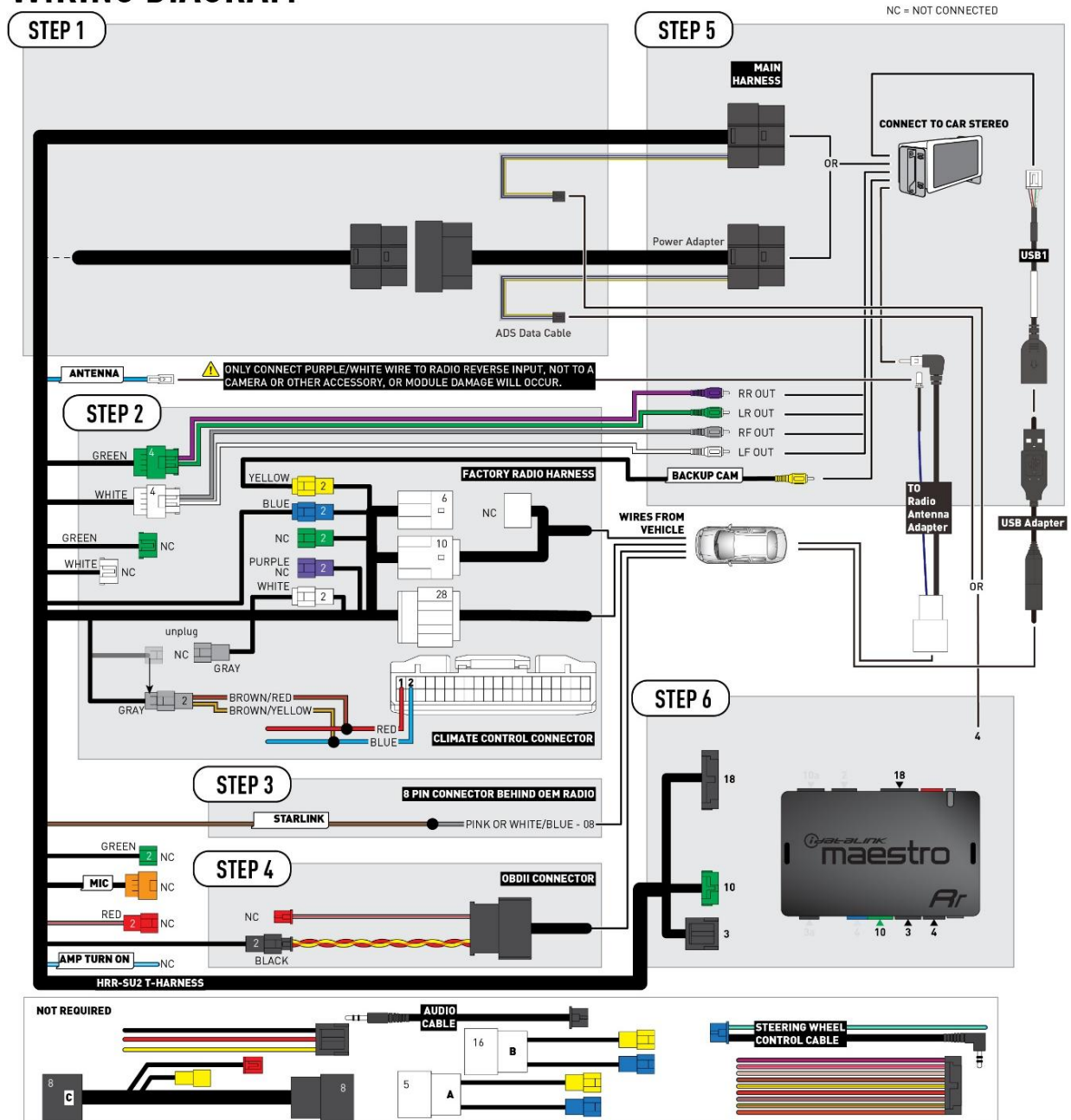
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX with 6.5 inch screen and Harman Kardon 2018]

Subaru WRX with 6.5 inch screen without AMP 2019-2021

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin 2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 24) of the 28 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo
- Plug the backup camera RCA aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and connect the other end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

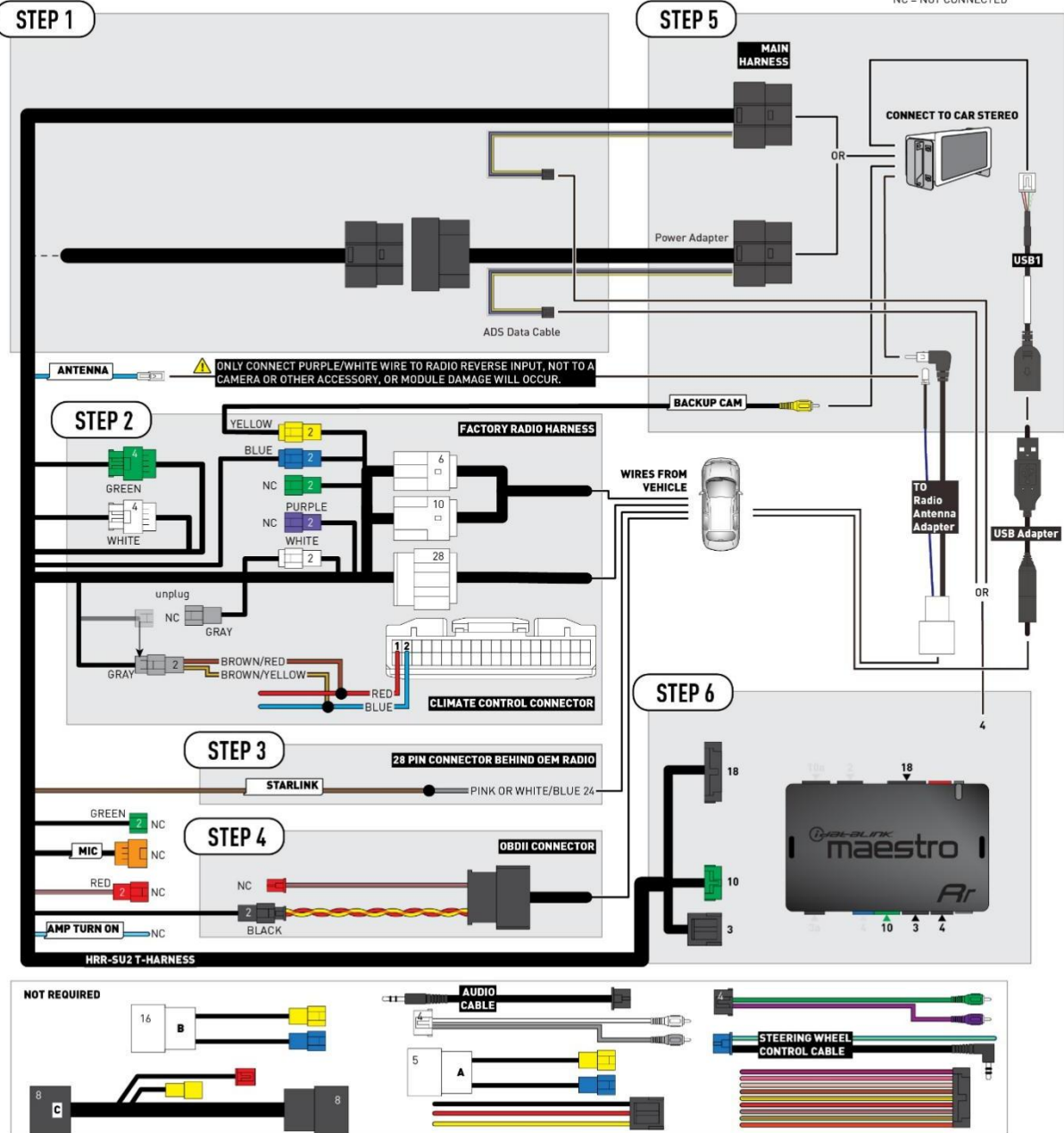
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX with 6.5 inch screen without AMP 2019-2021]

Subaru WRX with 7 inch screen 2016-2017

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 4

- Plug the harnesses into the aftermarket car

stereo.

- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, and connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and connect the other black end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 5

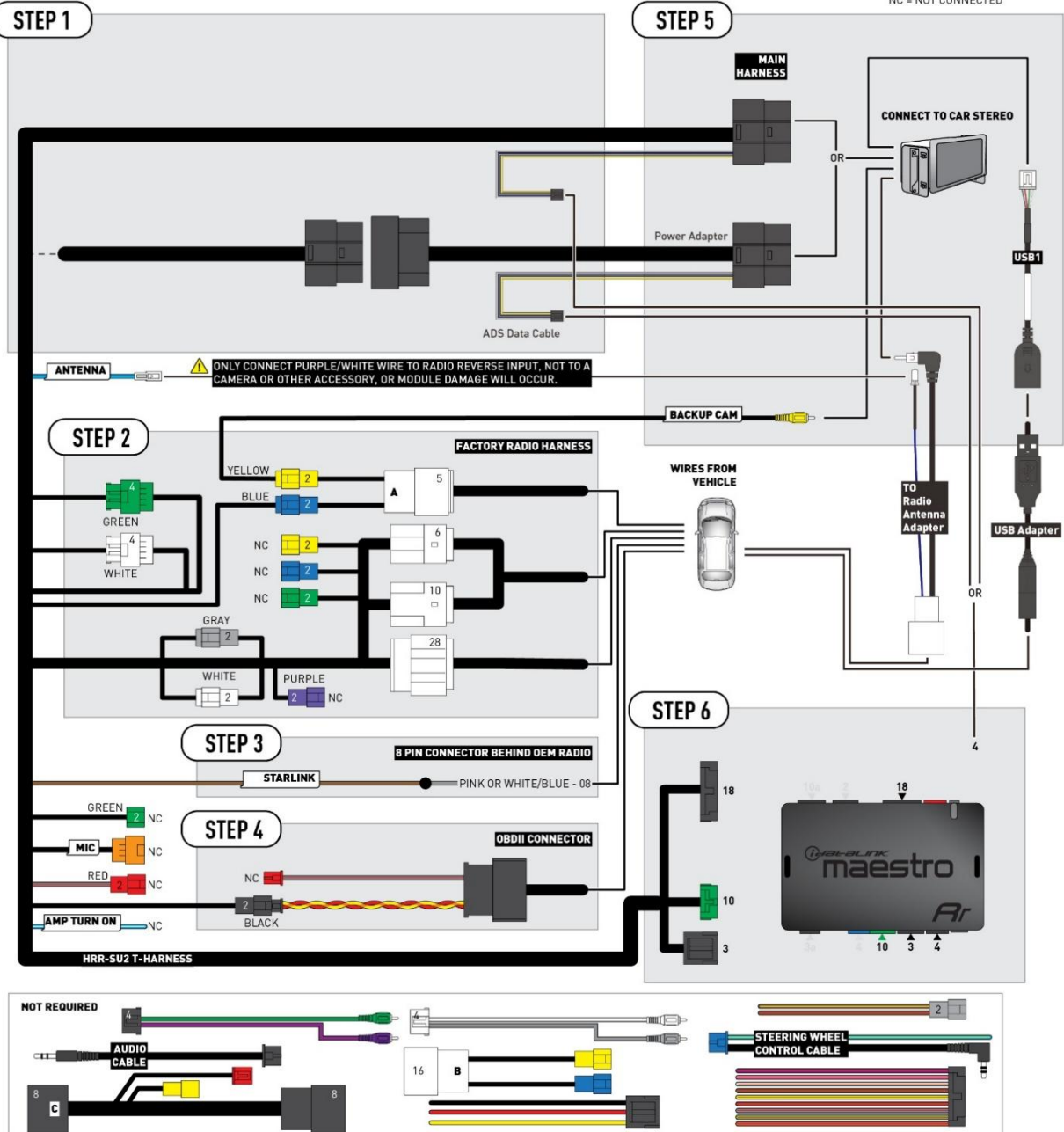
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX with 7 inch screen 2016-2017]

Subaru WRX with 7 inch screen 2018

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin 2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, then connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and connect the other black end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

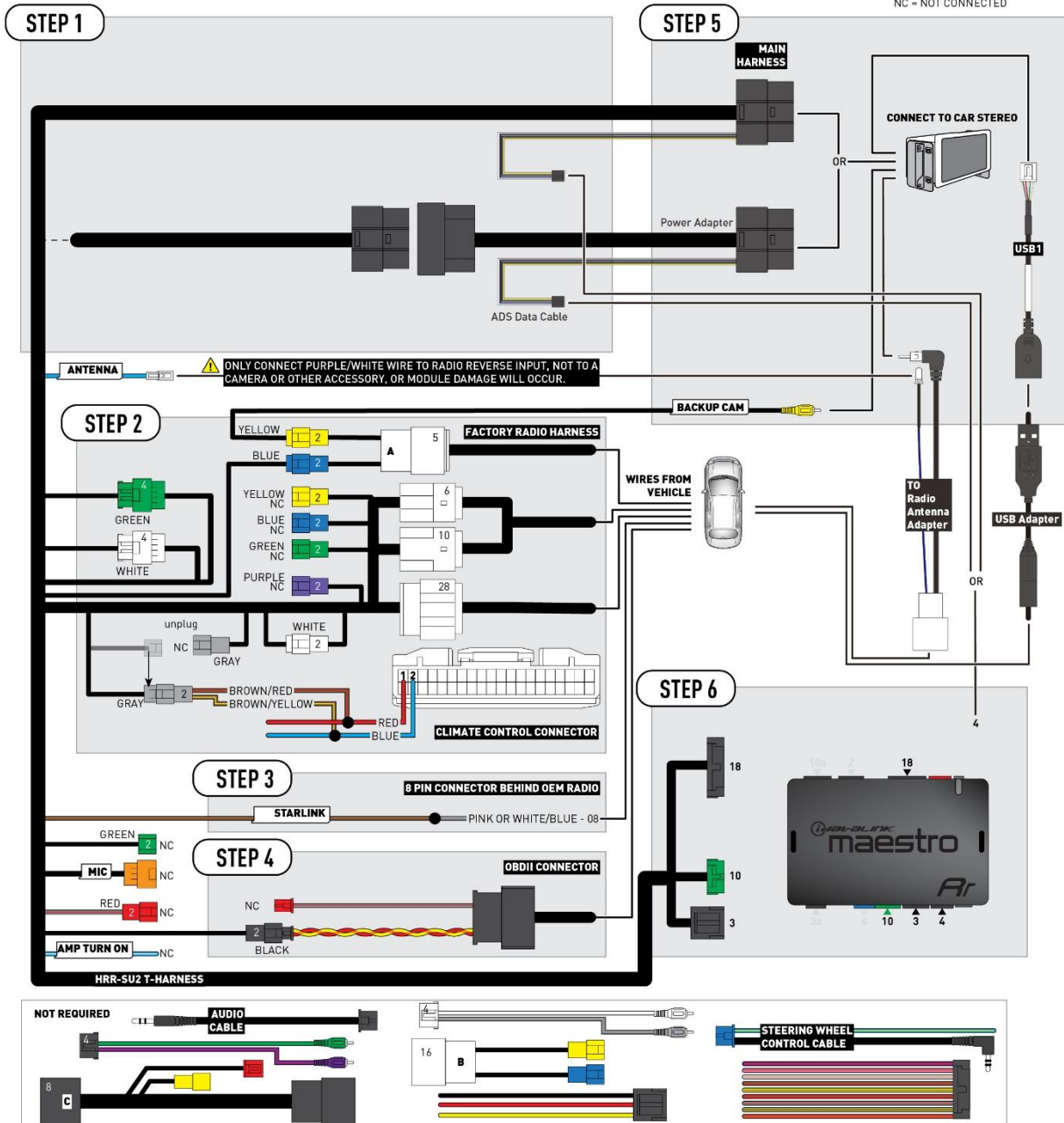
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX with 7 inch screen 2018]

Subaru WRX with 7 inch screen and Harman Kardon 2016-2017

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the

vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, then connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and connect the other black end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

STEP 1



NC = NOT CONNECTED

STEP 2

STEP 3

STEP 4

STEP 6

NOT REQUIRED

[Connection diagram of Subaru WRX with 7 inch screen and Harman Kardon 2016-2017]

Subaru WRX with 7 inch screen and Harman Kardon 2018

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin 2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 8) of the 8 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Plug the RCA cables into the aftermarket car stereo outputs.
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, then connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and connect the other black end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

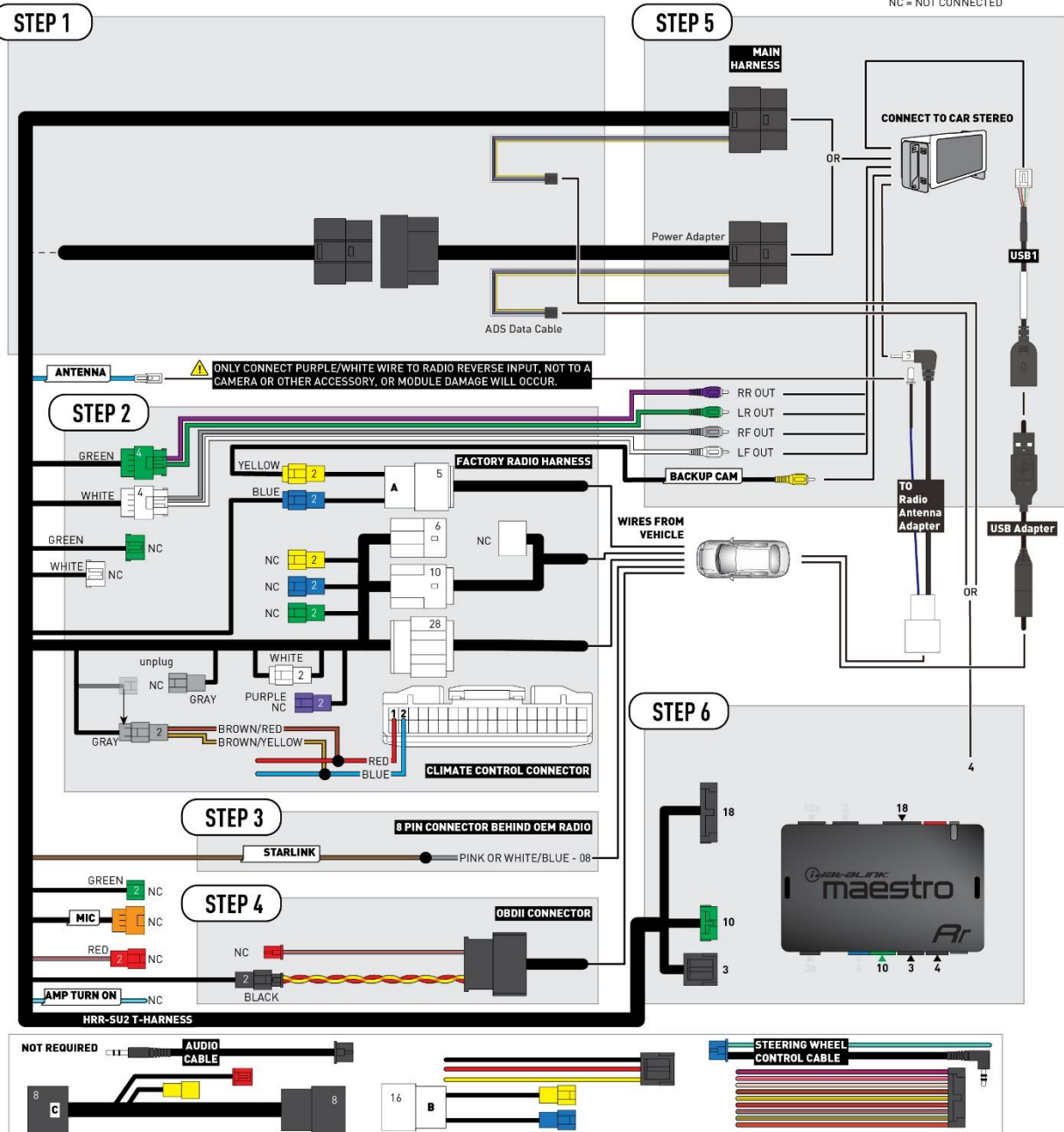
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX with 7 inch screen and Harman Kardon 2018]

Subaru WRX with 7 inch screen without AMP 2019-2021

STEP 1

- Connect the Main Harness of the HRR-SU2 T-harness directly to the aftermarket car stereo.

OR

Connect the HRR-SU2 T-harness to the Power Adapter, then plug the other end of the Power Adapter into the aftermarket car stereo.

STEP 2

- Assemble the HRR-SU2 T-harness as shown in the wiring diagram and connect it to the factory radio harness.
- Connect Brown/Red wire from the gray 2 pin connector to the Red wire (pin 1) of the 40 pin climate control connector. Connect Brown/Yellow wire from the gray 2 pin connector to the Blue wire (pin 2) of the 40 pin climate control connector.

Note: Do not cut vehicle wires.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button. If no SOS button is present, skip to step 4.

- Connect the BROWN Starlink wire to PINK or WHITE/BLUE (pin 24) of the 28 pin connector behind the OEM Radio.

STEP 4

- Connect HRR-SU2 2-pin black connector to black connector of OBDII extension harness.
- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

STEP 5

- Plug the harnesses into the aftermarket car stereo.
- Plug the backup camera RCA into the aftermarket car stereo (if applicable).
- Insert the TO Radio Antenna Adapter into the aftermarket car stereo and Power ANT separately, then connect the other end to the vehicle.
- Plug the white connector of the USB1 cable into the aftermarket car stereo, and connect the other black end to the USB Adapter. Then insert the other end of the USB Adapter into the vehicle.

STEP 6

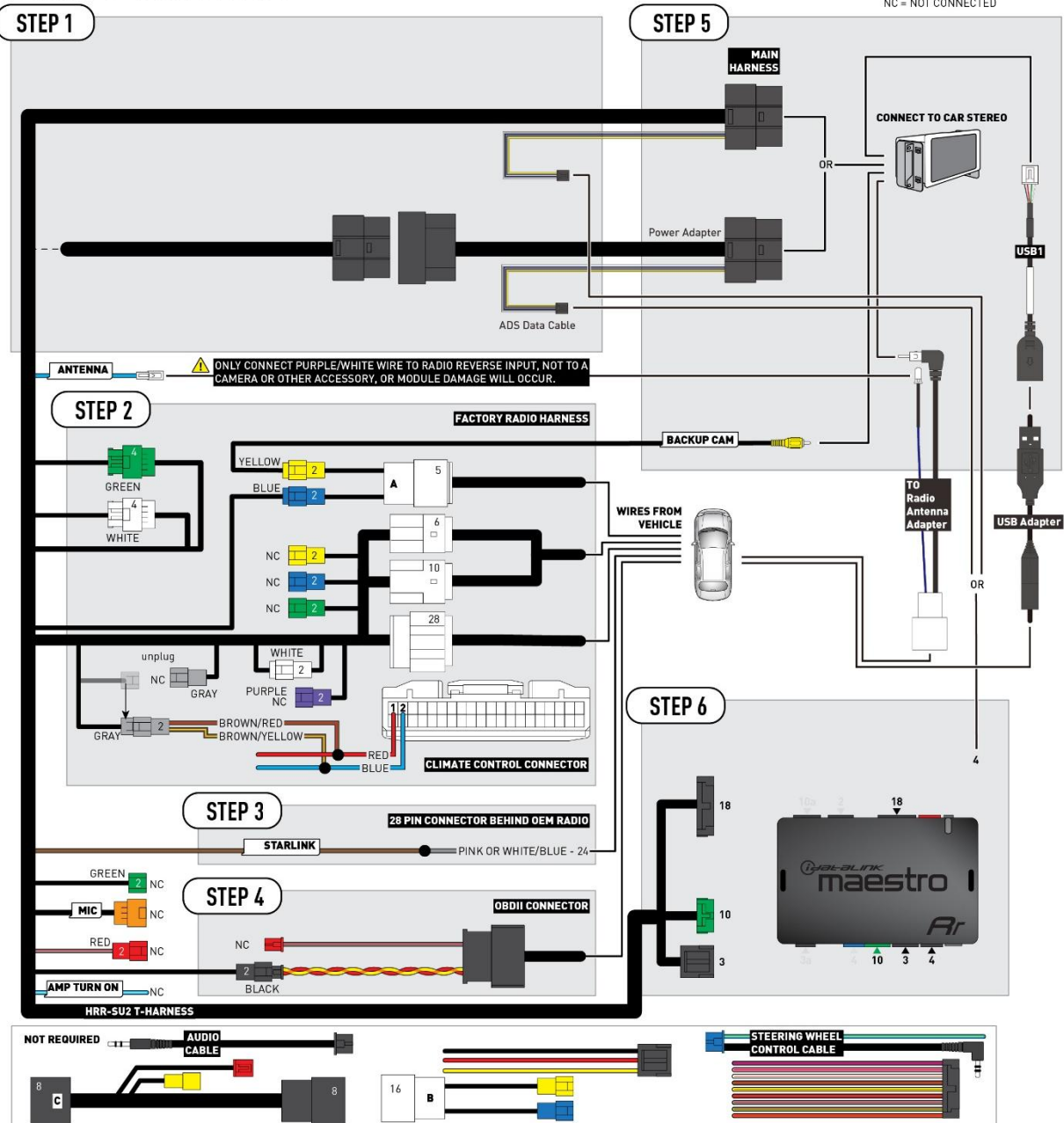
- Plug the ADS Data Cable of the Main Harness into the 4-pin port of the Maestro RR module.

OR

Plug the ADS Data Cable of the Power Adapter into the 4-pin port of the Maestro RR module.

- Connect all the harnesses to the Maestro RR module, then test your installation.

WIRING DIAGRAM



[Connection diagram of Subaru WRX with 7 inch screen without AMP 2019-2021]

Chapter 5 Troubleshooting Table

Before contacting technical support, please consult the troubleshooting table below to quickly resolve common issues.

IMPORTANT SAFETY INFORMATION

- **Disconnect Power:** Always disconnect the vehicle's negative battery terminal and wait at least 5 minutes before handling any wiring to ensure the system is fully powered down.
- **Professional Installation Recommended:** To prevent damage to the device or vehicle, and to avoid personal injury, disassembly or repair should only be performed by a qualified technician.
- **Verify Compatibility:** Ensure all components—including the antenna, wiring harness, car stereo and firmware—are fully compatible with your specific vehicle model and regional standards.

No.	Problems	Reason and Solution
1	GPS signal reception issues	Check that the GPS antenna is securely connected. The recommended position is on the interior of the vehicle's A-pillar.
		GPS functionality may be limited in environments with signal obstructions. Please avoid parking your vehicle in places such as underground garages, mountainous areas, or other areas with poor signal reception.
2	No rearview image or failure to switch to rearview	Verify proper connection of the reverse detection wire and camera harness. Ensure all connections are secure and correctly seated.
3	The car stereo fails to power on	Verify that the B+ (constant 12V), ACC (ignition signal), and chassis ground wires are securely and correctly terminated.

		Use a multimeter to confirm that the voltage at the B+ and ACC terminals is within the operational range of 9V-16V. Incorrect wiring connections can lead to abnormal voltage readings, and prevent the stereo from powering on.
		If no voltage is detected on B+ or ACC, inspect the power supply circuit. Check the power cables for any visible damage or loose connections and verify the integrity of the fuse.
		If no voltage is present at the ACC terminal: (1) Verify that the ADS protocol module is properly connected to the computer. (2) Flash the module using software configured for the vehicle model. (3) Confirm that all wiring connections comply with the vehicle-specific installation manual.
4	Protocol communication malfunction	Connect the ADS interface module to the computer and ensure that the configuration matches the specific vehicle model. Then, flash the module using the appropriate software and a valid authorized serial number.
		Verify that all wiring connections align with the dedicated installation manual. Check for any loose or improperly seated connectors.

5	Car stereo and mobile device pairing failure	Verify if the mobile device is connected to other Bluetooth devices. If so, unpair all other devices to prevent signal interference.
		Verify cellular signal strength and network connectivity.
6	Touchscreen clock desynchronized from actual time	Verify the network connectivity.
		Verify that the location settings in the car stereo are correctly configured.