



HOW TO USE THIS INSTALL GUIDE

- 1** Open the Bookmarks menu and find your vehicle OR scroll down until you find the install guide for your vehicle.
- 2** Print only the pages for your vehicle using the advanced options in the Print menu.
- 3** Install your Maestro RR according to the guide for your vehicle.

WARNING

Pressing the printer icon or “quick printing” this document will print all of the guides in this compilation.



RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)

ACC-uSU2

WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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Wiring Diagram	4
Radio Wire Reference Chart	5
Module Diagnostics	6
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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

 maestro.idatalink.com/support
www.12voltdata.com/forum



INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

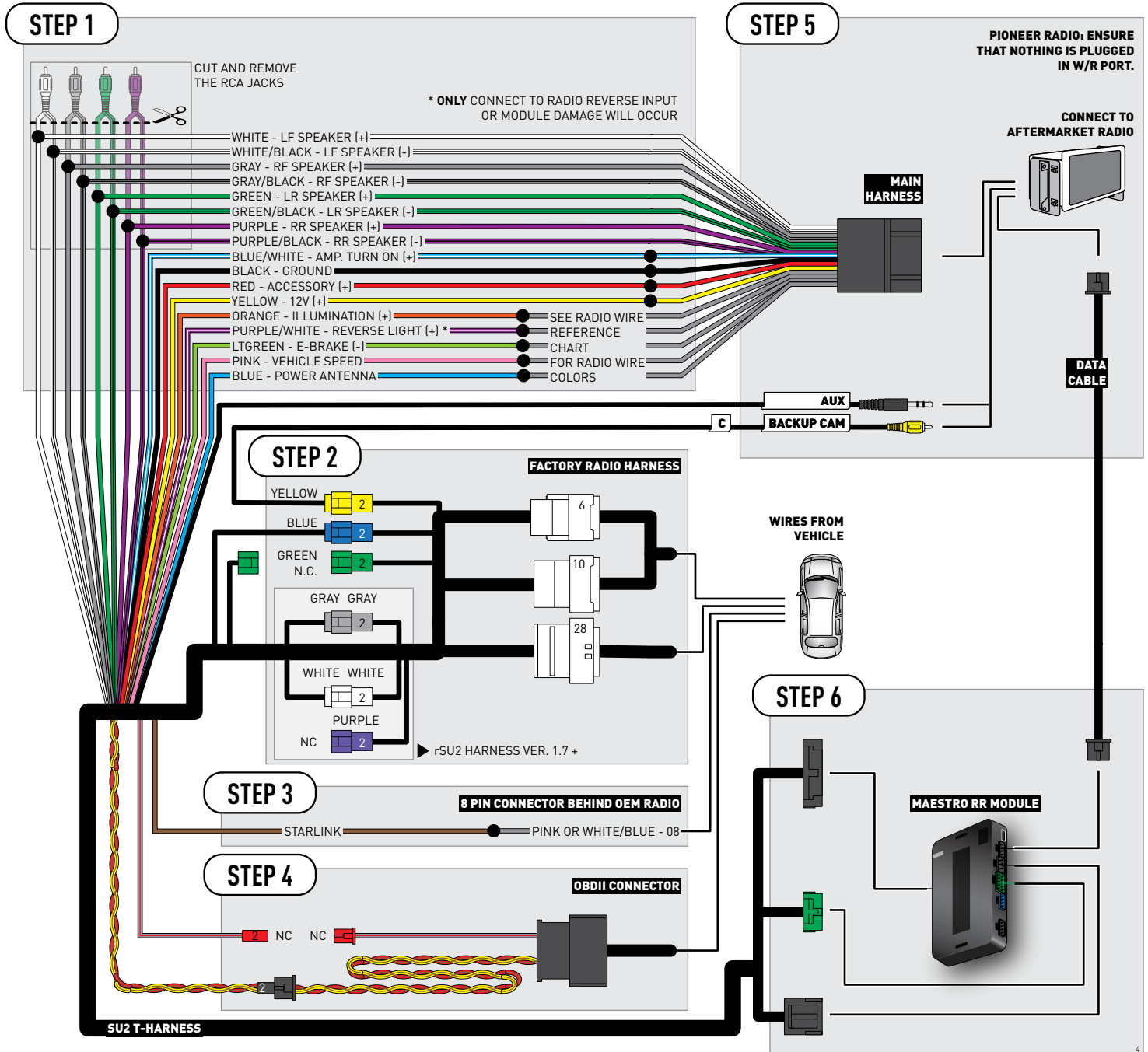
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

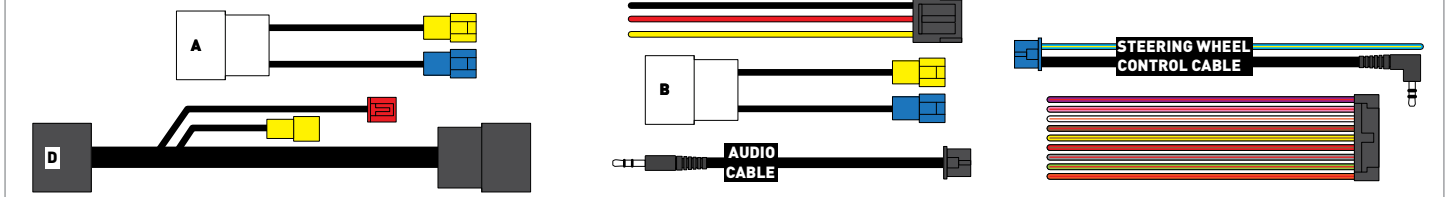
- Connect all the harnesses to the Maestro RR module then test your installation.



WIRING DIAGRAM



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
• or •		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
•		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
•		2 RED flashes	Problem detected. Consult troubleshooting table.
•		1 GREEN flash	After radio boots up : Normal operation.
	•	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
•	•	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Unplug the gray 2 pin connectors and plug the female gray 2 pin into the male green 2 pin connector.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Tape/insulate the Brown/Red wire (Maestro side of cut).

Connect Brown/Red wire (vehicle side of cut) to the Blue/White wire from the aftermarket radio main harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
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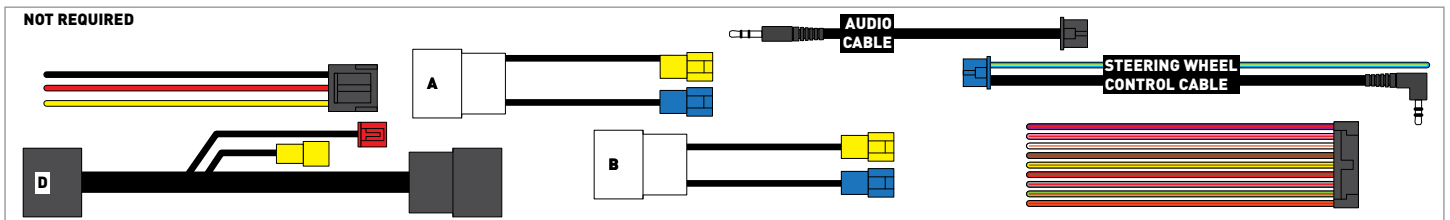
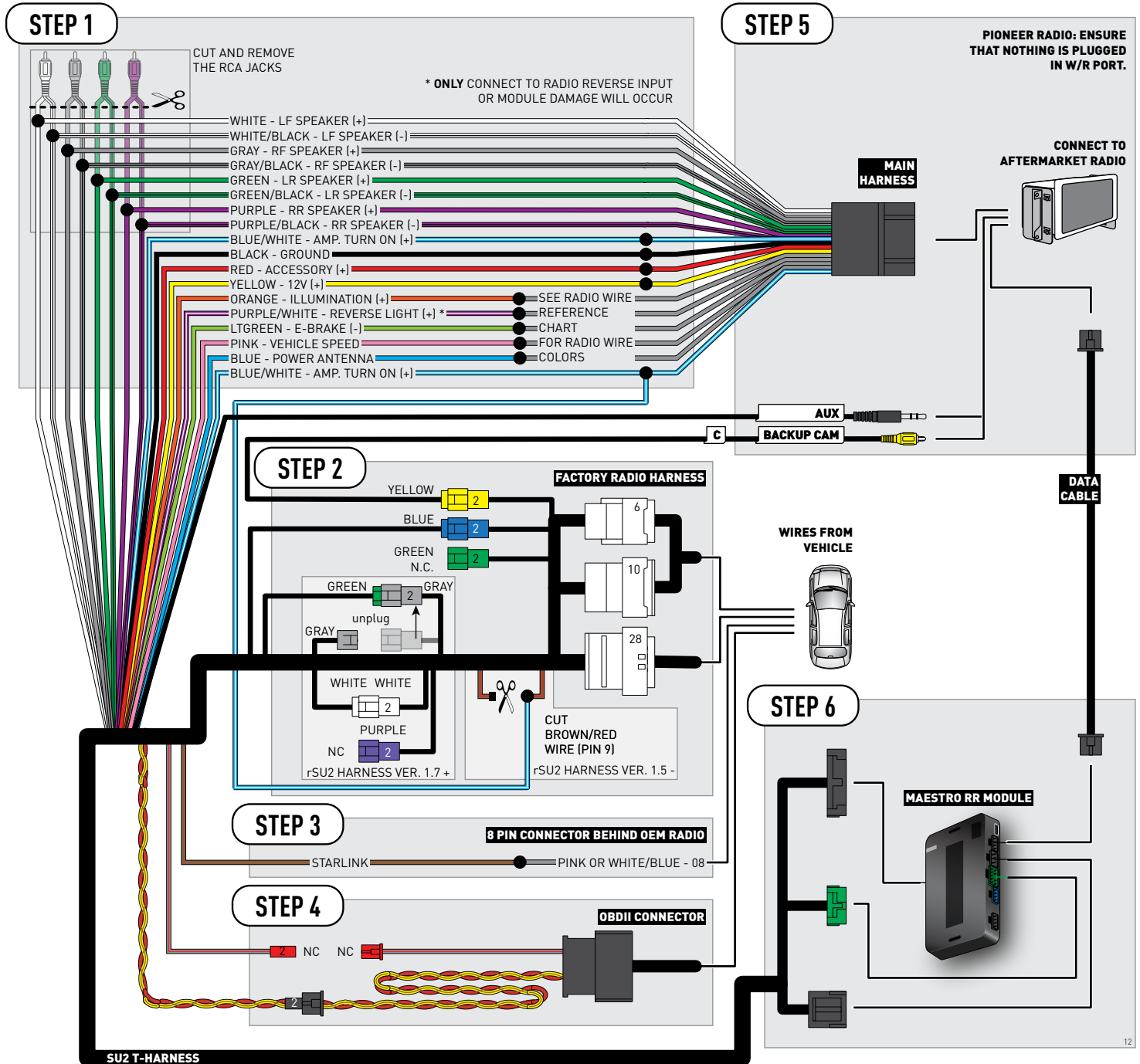
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



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Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
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TROUBLESHOOTING TABLE P2 /2

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Turn the key to the OFF position, then disconnect all connectors from the module.

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Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button.

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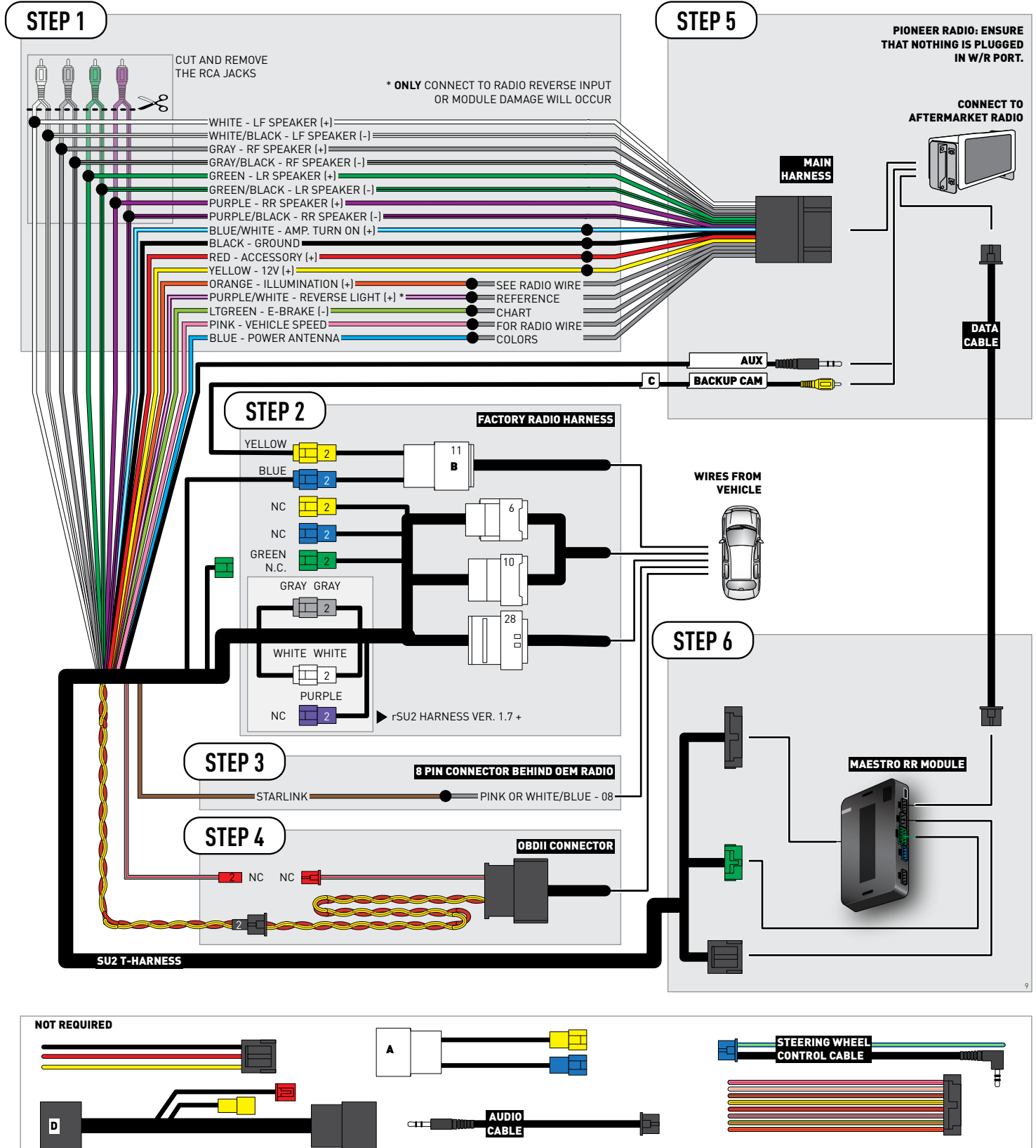
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P1/2

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rSU2 V1.7+ harness :

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Connect Brown/Red wire (vehicle side of cut) to the Blue/White wire from the aftermarket radio main harness.

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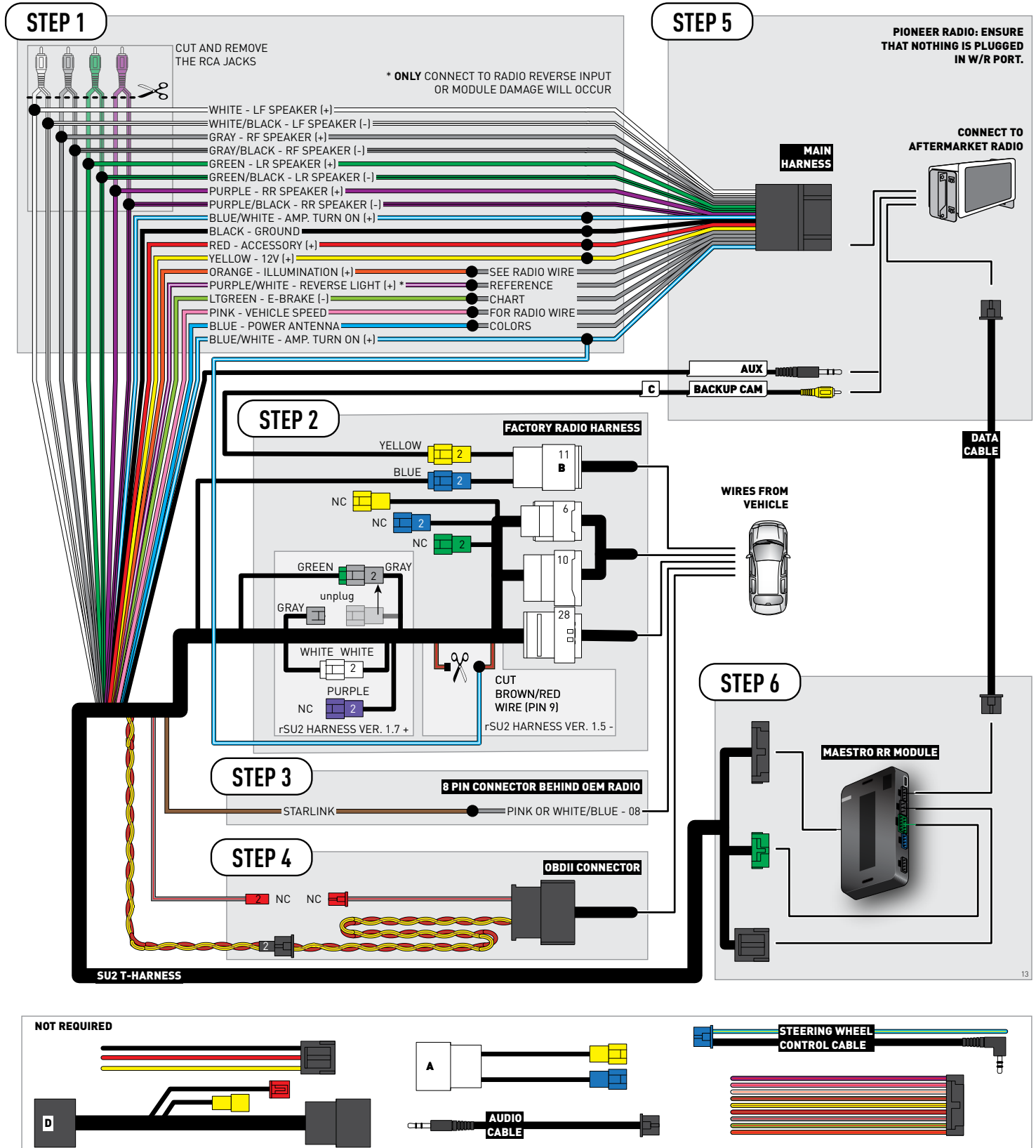
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●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.



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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

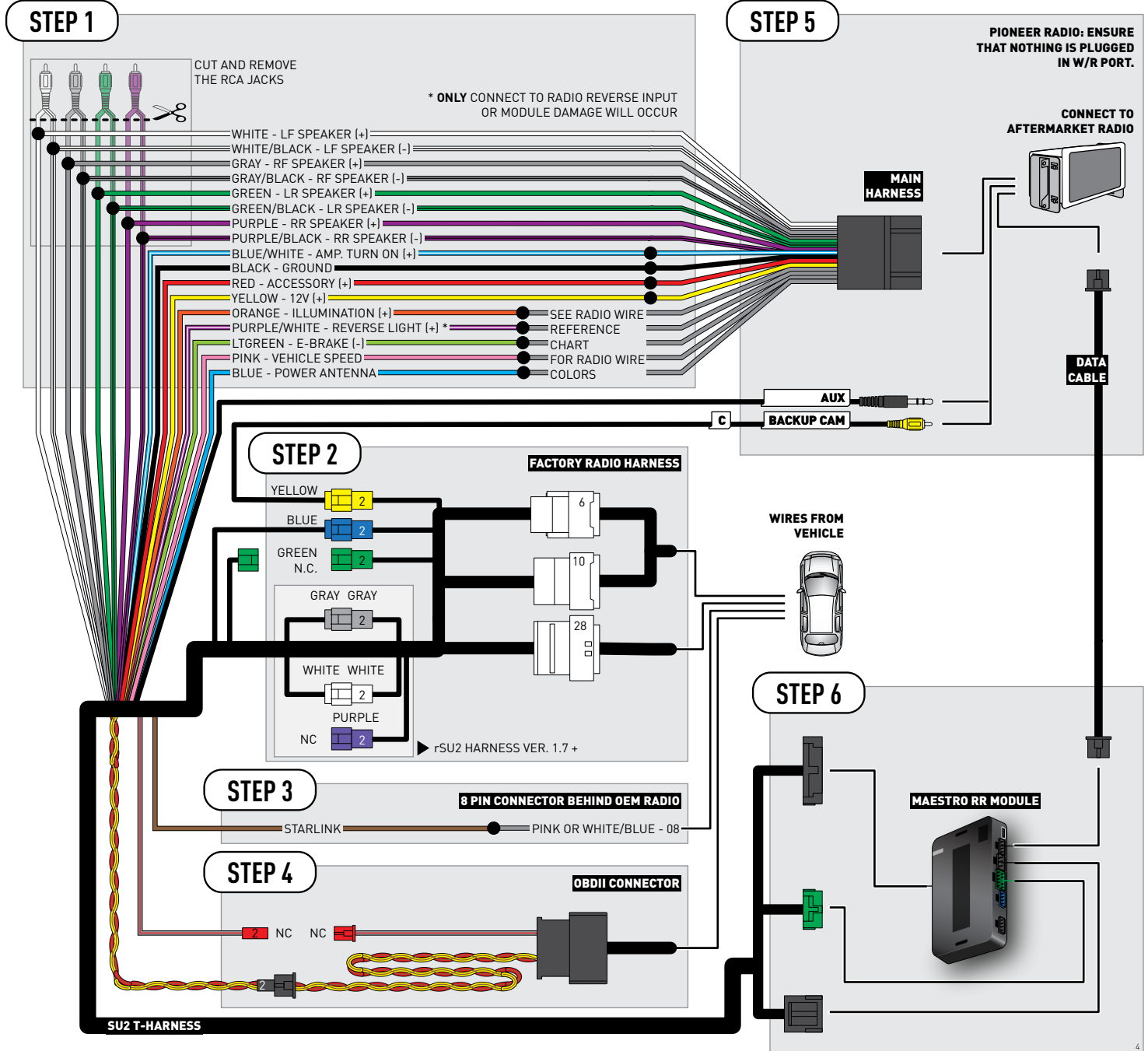
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

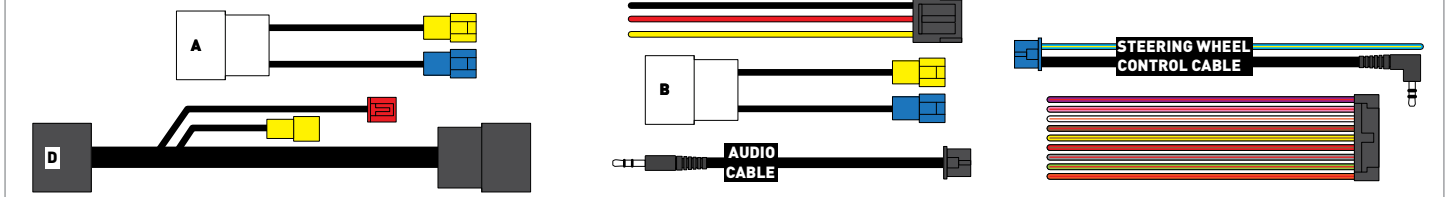
- Connect all the harnesses to the Maestro RR module then test your installation.



WIRING DIAGRAM



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A



MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
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Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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STEP 1

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- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Unplug the gray 2 pin connectors and plug the female gray 2 pin into the male green 2 pin connector.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Tape/insulate the Brown/Red wire (Maestro side of cut).

Connect Brown/Red wire (vehicle side of cut) to the Blue/White wire from the aftermarket radio main harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

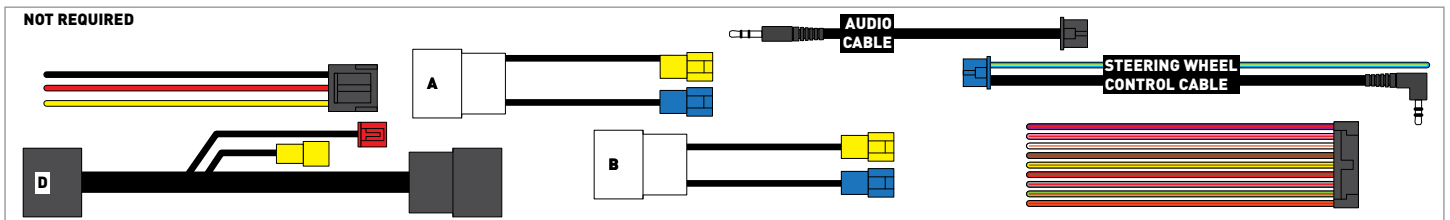
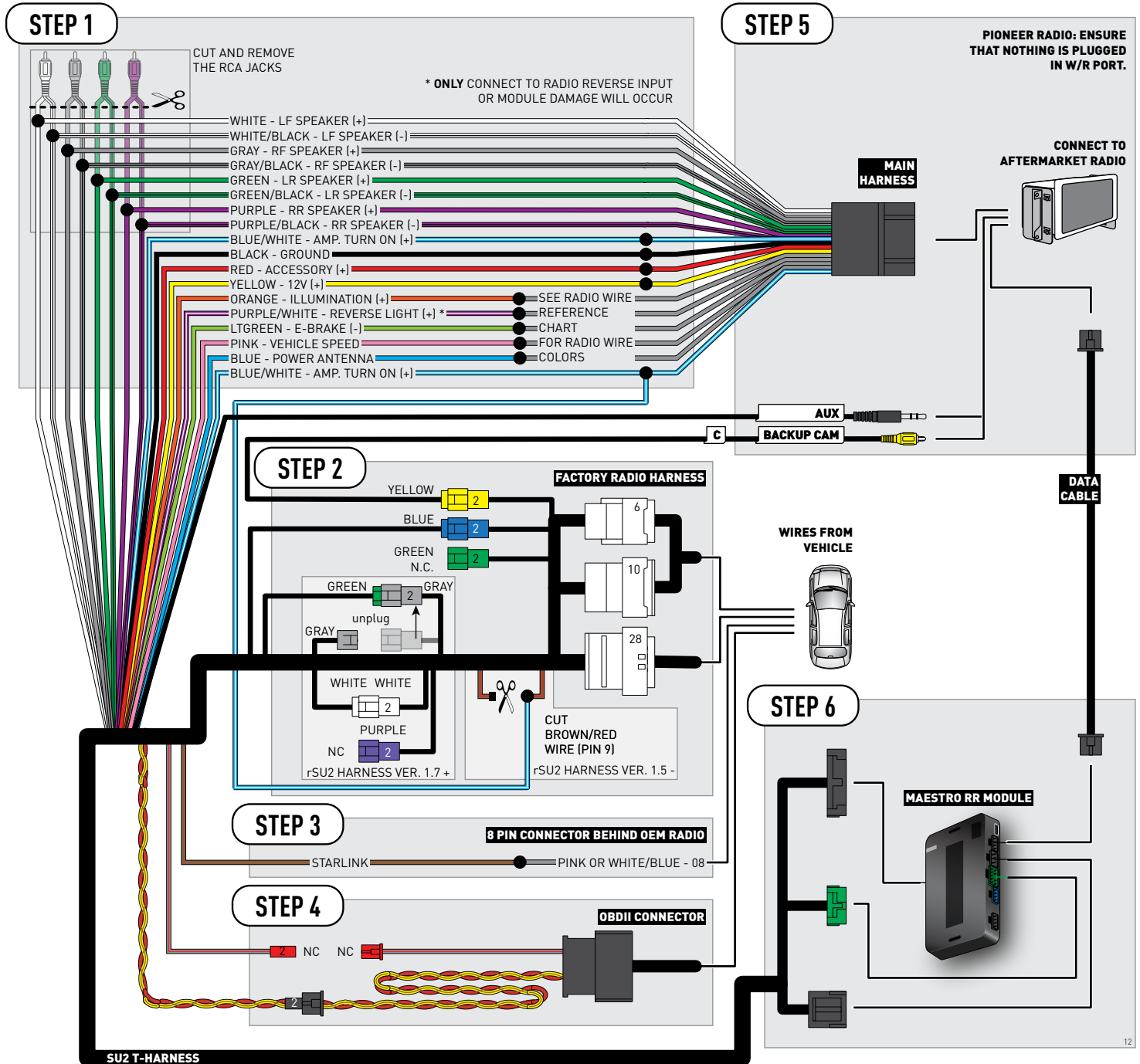
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
• or •		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
•		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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	•	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
•	•	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

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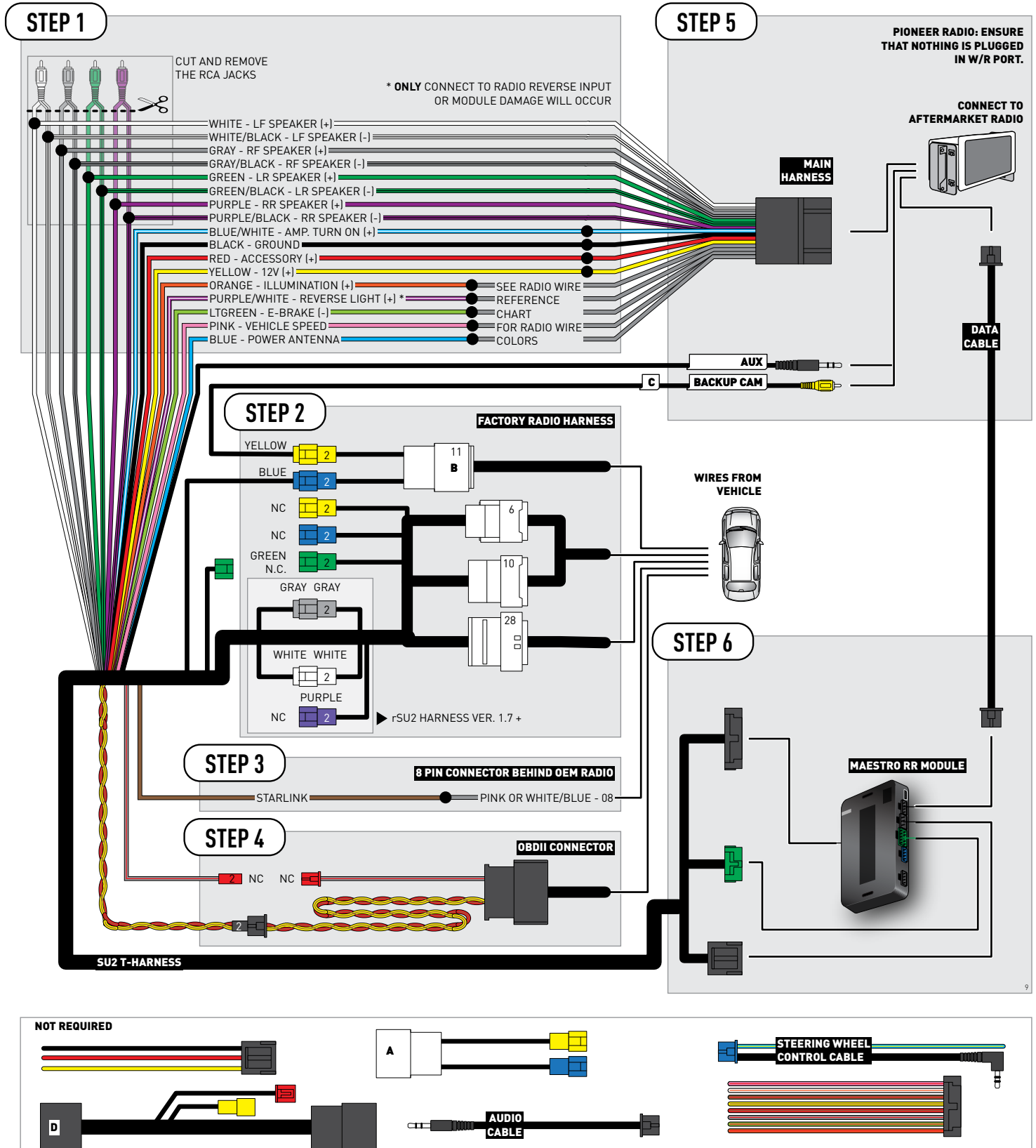
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P1/2

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TECHNICAL ASSISTANCE

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Email: maestro.support@idatalink.com

Web: maestro.idatalink.com/support add www.12voldata.com/forum/

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

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iDatalink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



ACC-uSU2

Click here for:
[Radar Installation Guides](#)



WELCOME

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Unplug the gray 2 pin connectors and plug the female gray 2 pin into the male green 2 pin connector.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Tape/insulate the Brown/Red wire (Maestro side of cut).

Connect Brown/Red wire (vehicle side of cut) to the Blue/White wire from the aftermarket radio main harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

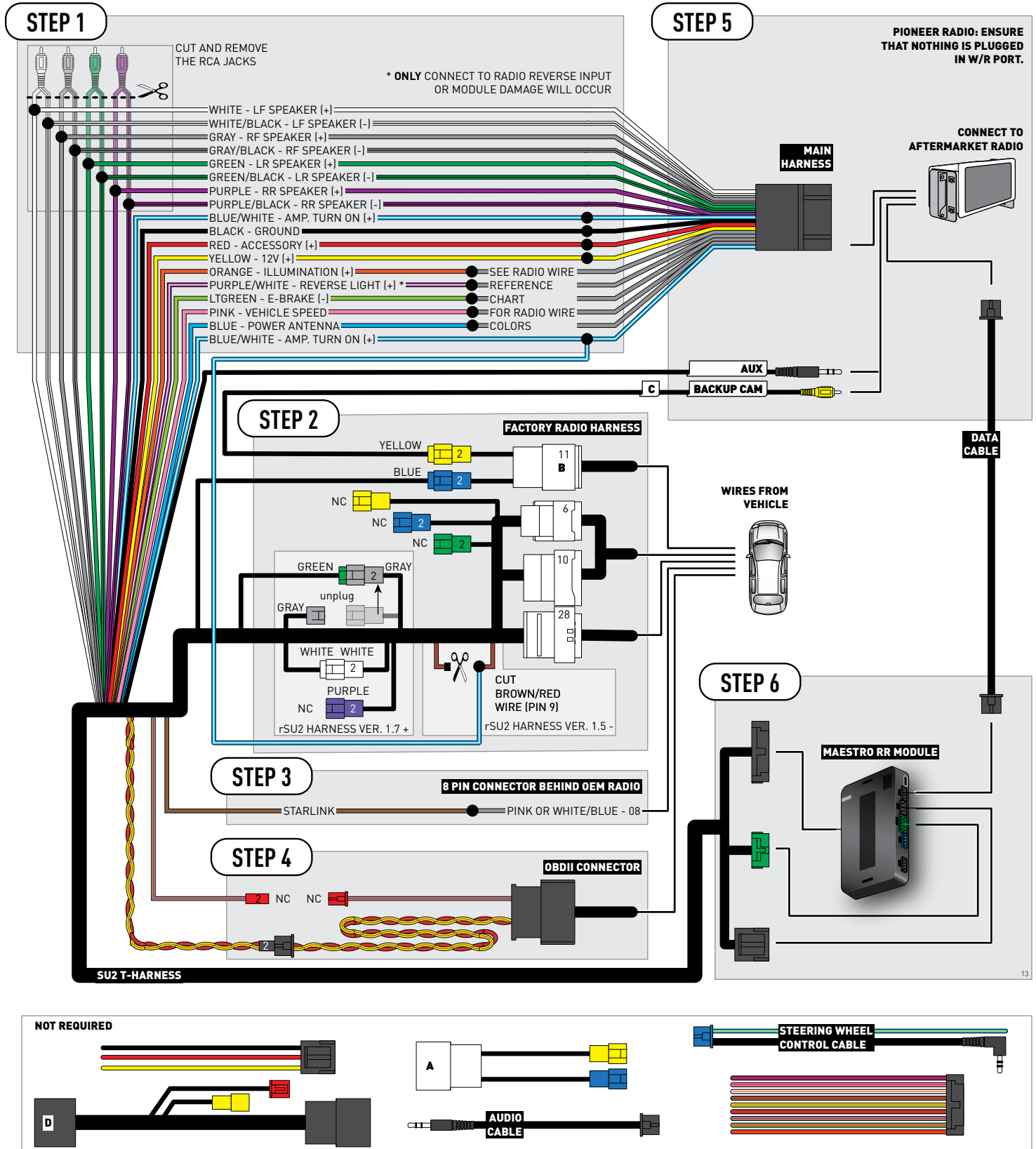
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
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Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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2016-2017

SUBARU FORESTER
WITH 6.2 INCH SCREEN

RETAINS STEERING WHEEL CONTROLS, AND MORE!



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INSTALLATION INSTRUCTIONS P1/1

STEP 1

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- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

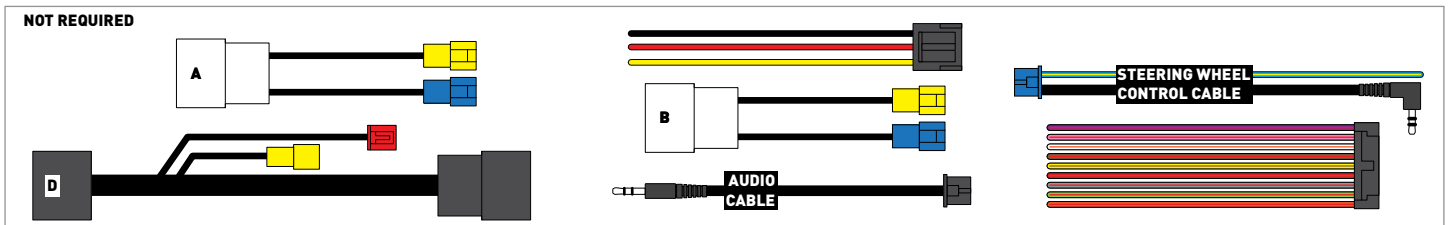
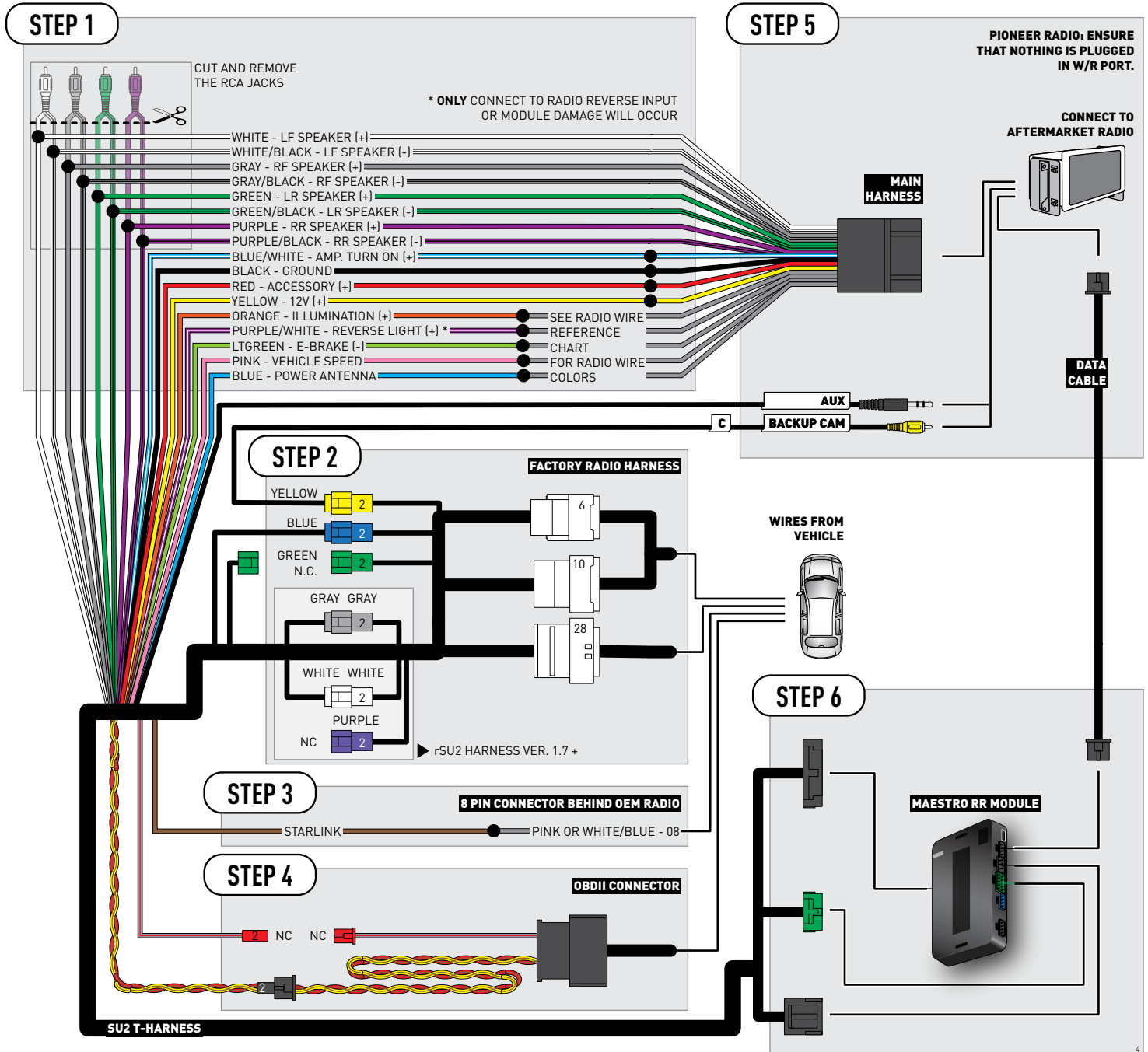
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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ACC-uSU2



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- Remove the factory radio.

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STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
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- Plug the Data cable to the data port of the aftermarket radio.

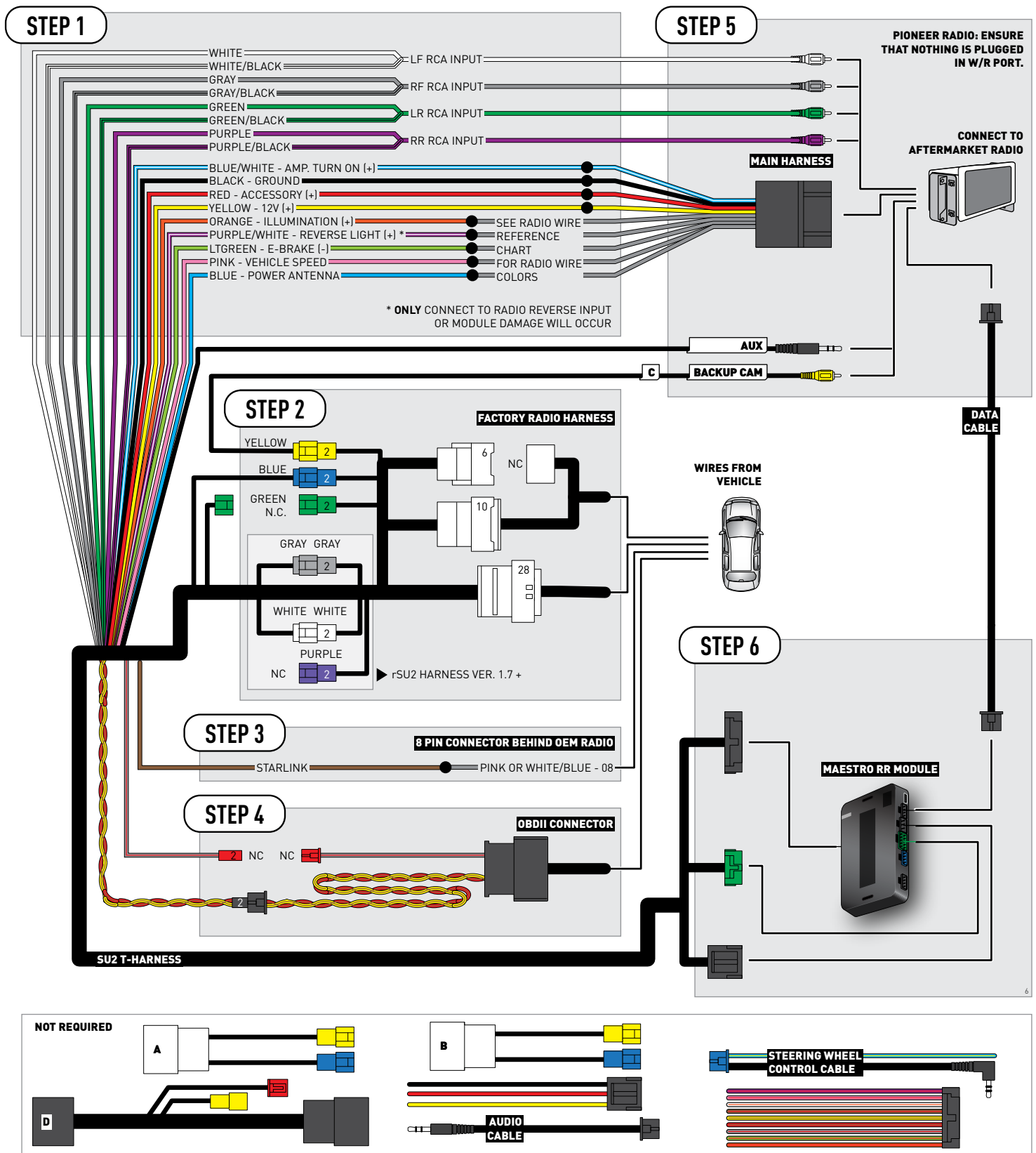
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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TROUBLESHOOTING TABLE

P1 /2

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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

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2018

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STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

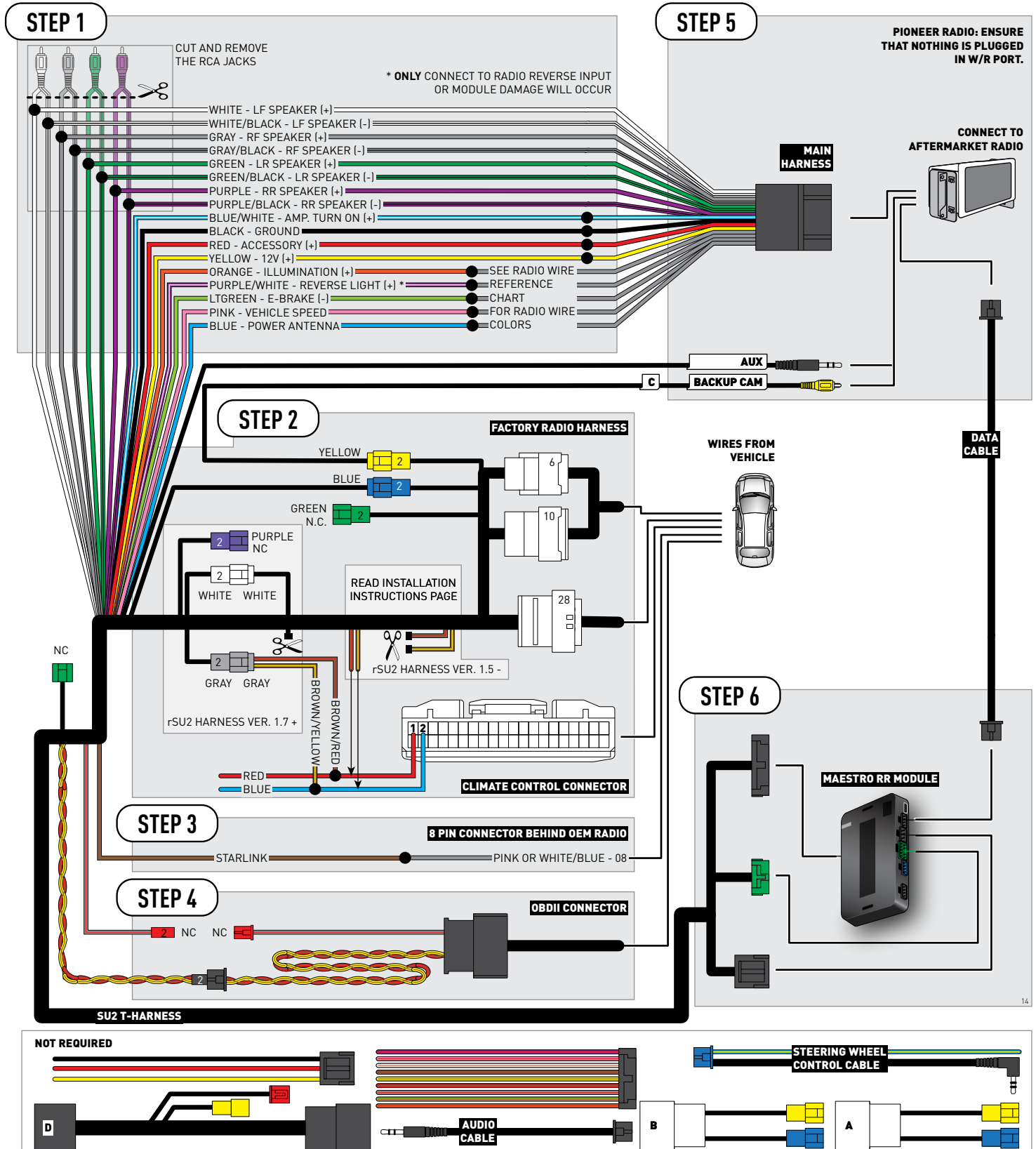
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STEP 6

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WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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2018

SUBARU FORESTER
WITH 6.5 INCH SCREEN AND HARMAN KARDON

RETAINS STEERING WHEEL CONTROLS, AND MORE!



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iDatalink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

ACC-uSU2

Click here for:
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WELCOME

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

TABLE OF CONTENTS

Installation Instructions	3
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Radio Wire Reference Chart	5
Module Diagnostics	6
Troubleshooting Table	7

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

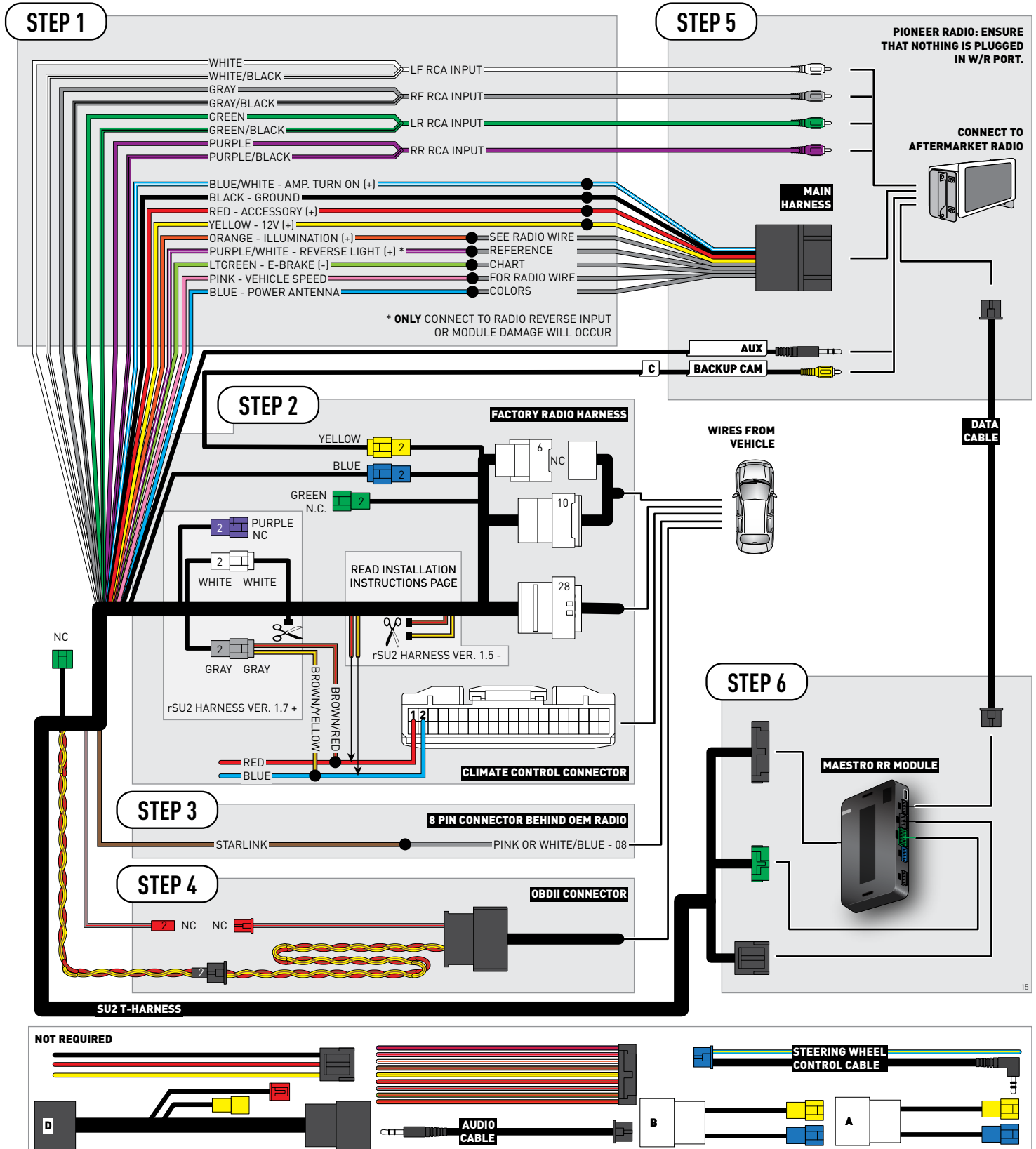
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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P1 /2

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TROUBLESHOOTING TABLE P2 /2

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

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- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

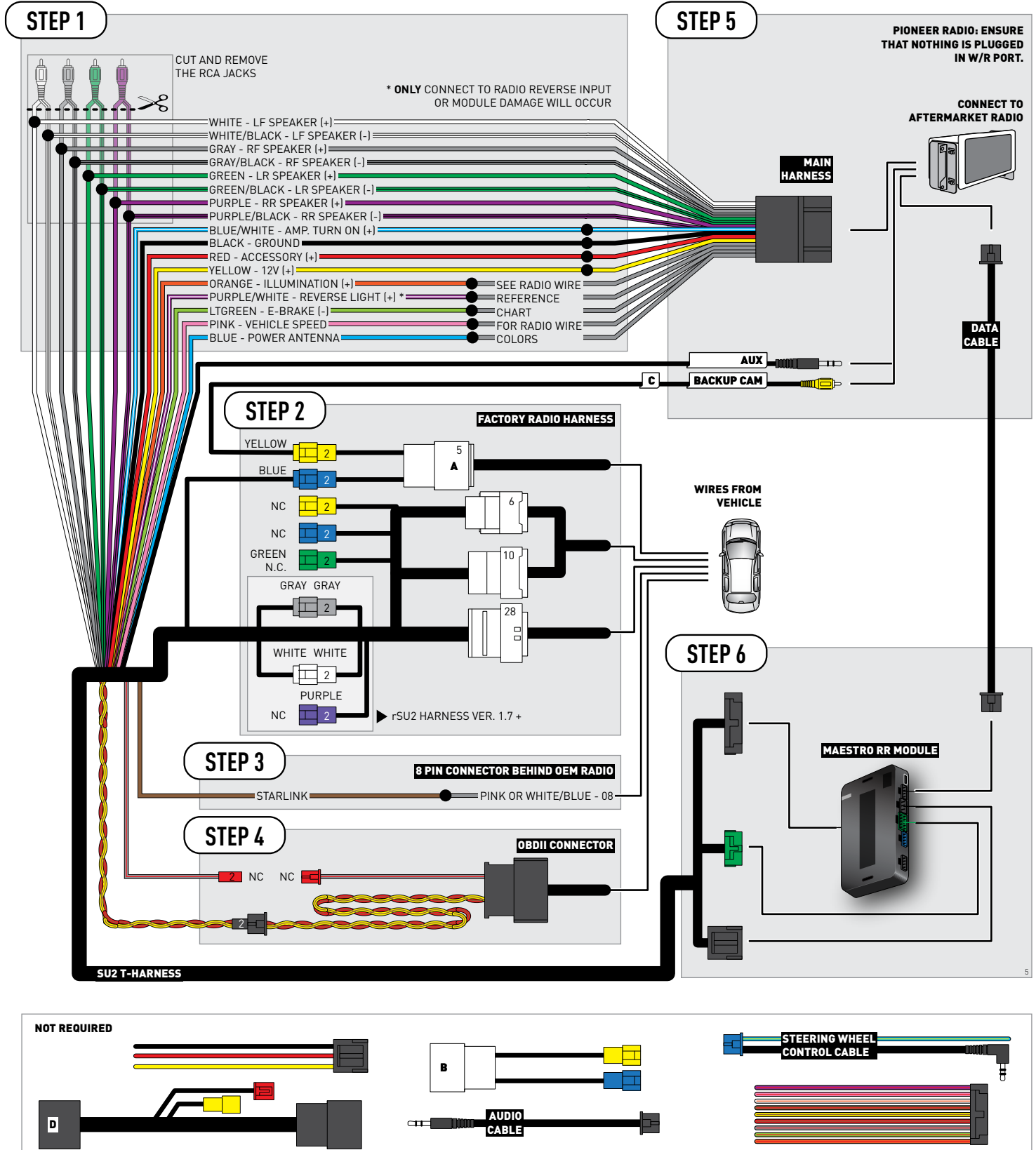
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Power Antenna	(+)	Blue	Blue	Blue	N/A

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TROUBLESHOOTING TABLE

P1 /2

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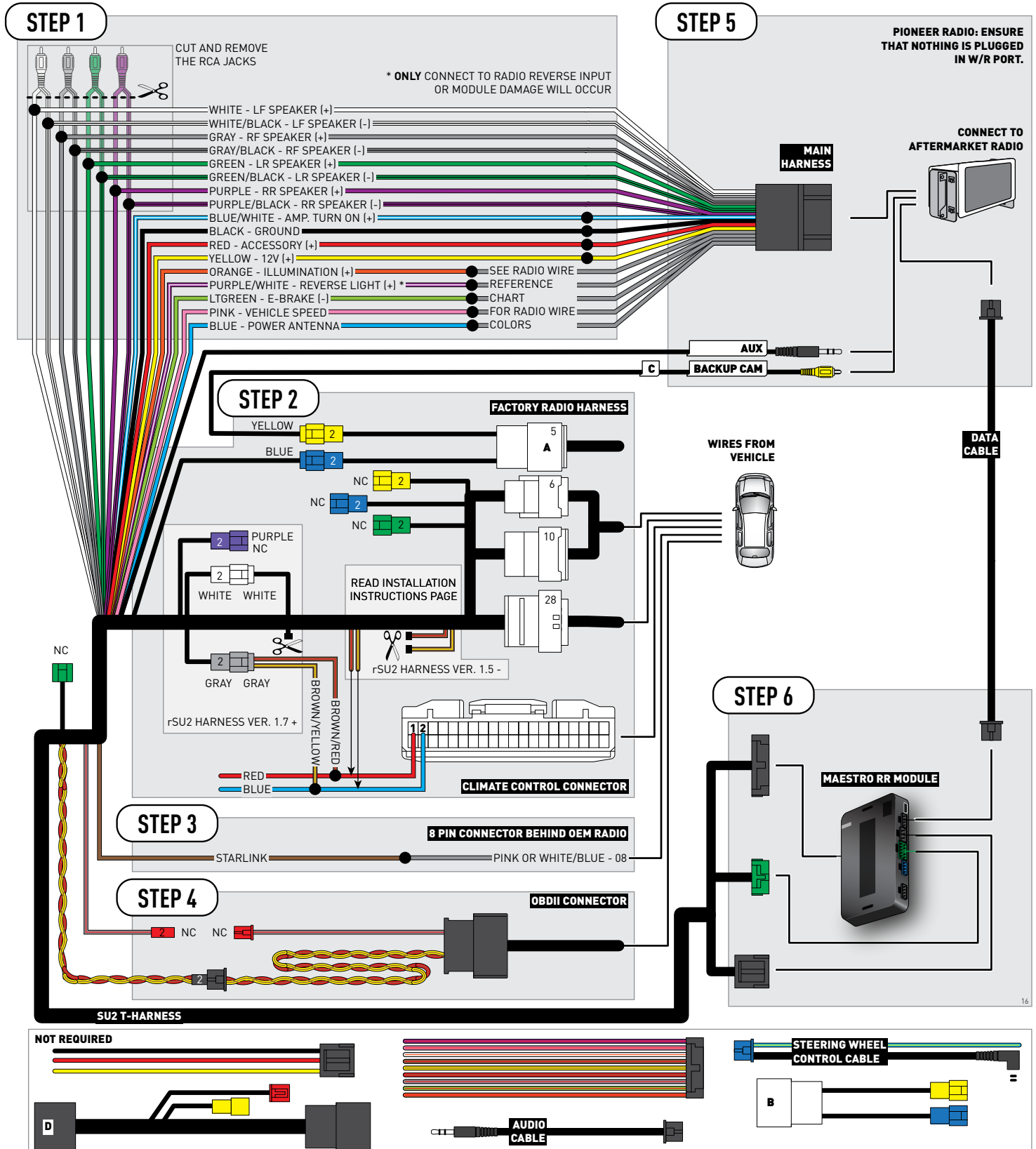
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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



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OPTIONAL ACCESSORIES



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Troubleshooting Table	7

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

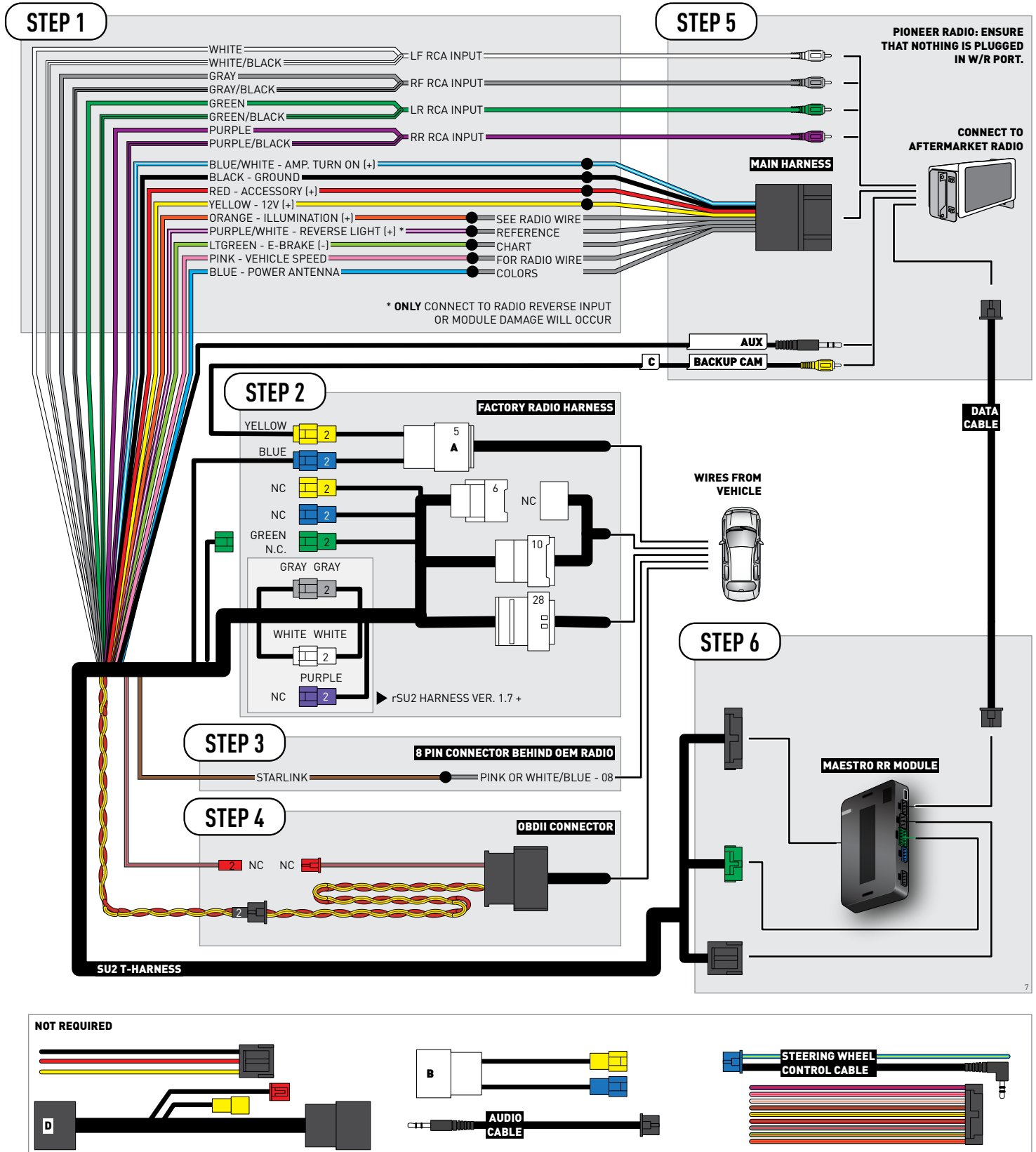
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

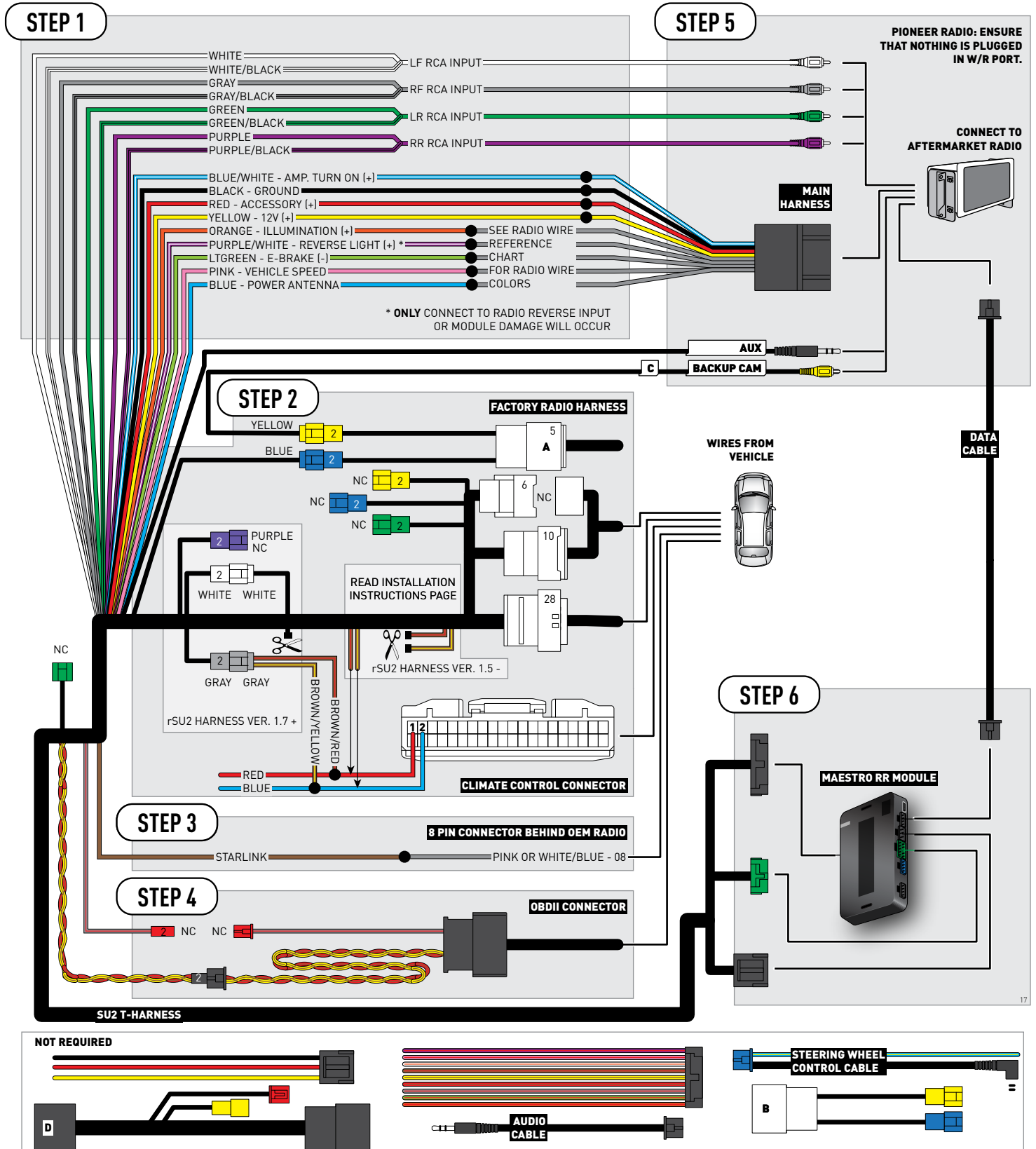
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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TROUBLESHOOTING TABLE

P1 /2

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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
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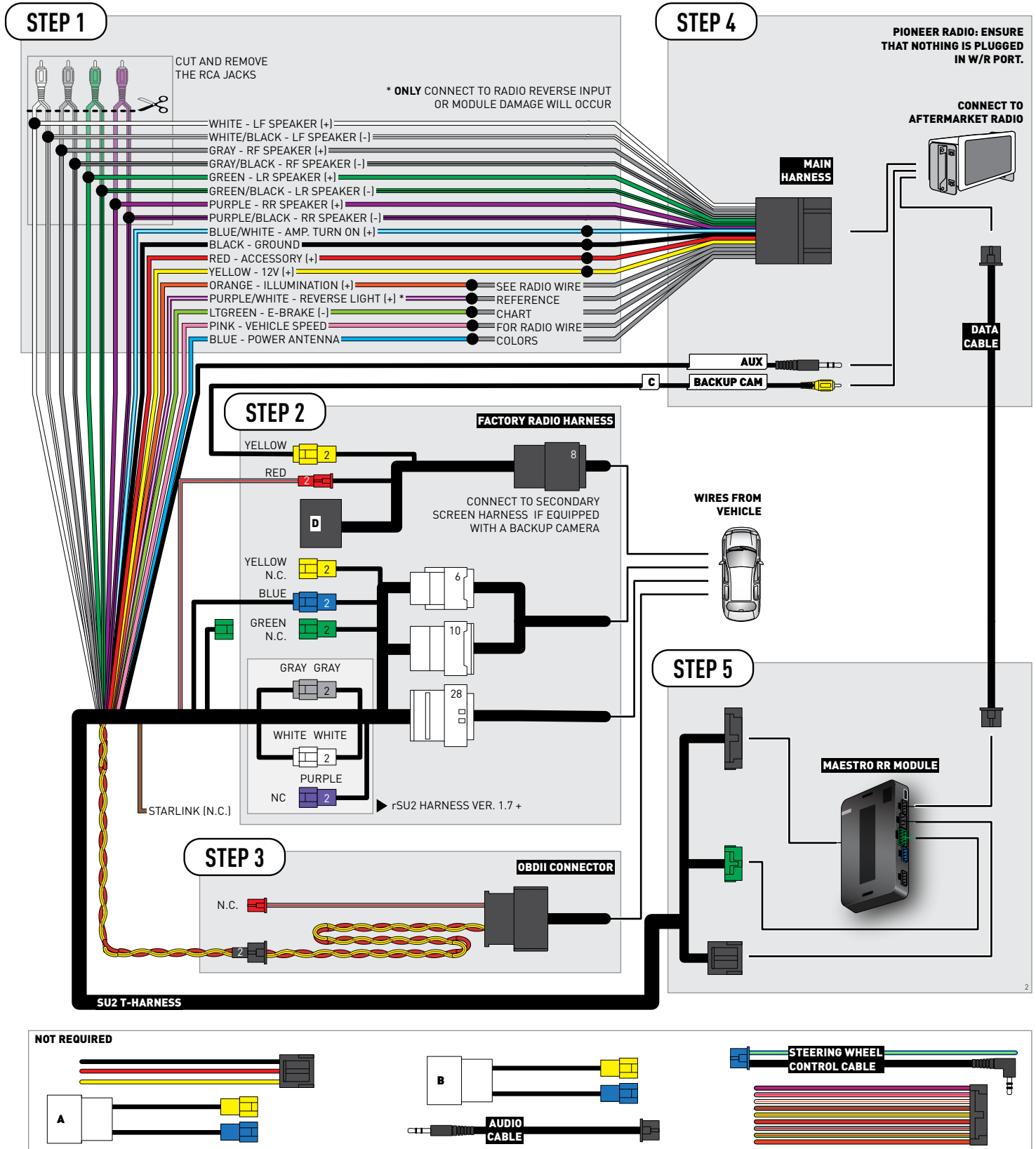
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

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WIRING DIAGRAM



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Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
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TROUBLESHOOTING TABLE

P1 /2

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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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TROUBLESHOOTING TABLE P2 /2

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Note: only connect purple/white wire to radio reverse input or module damage will occur.

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- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

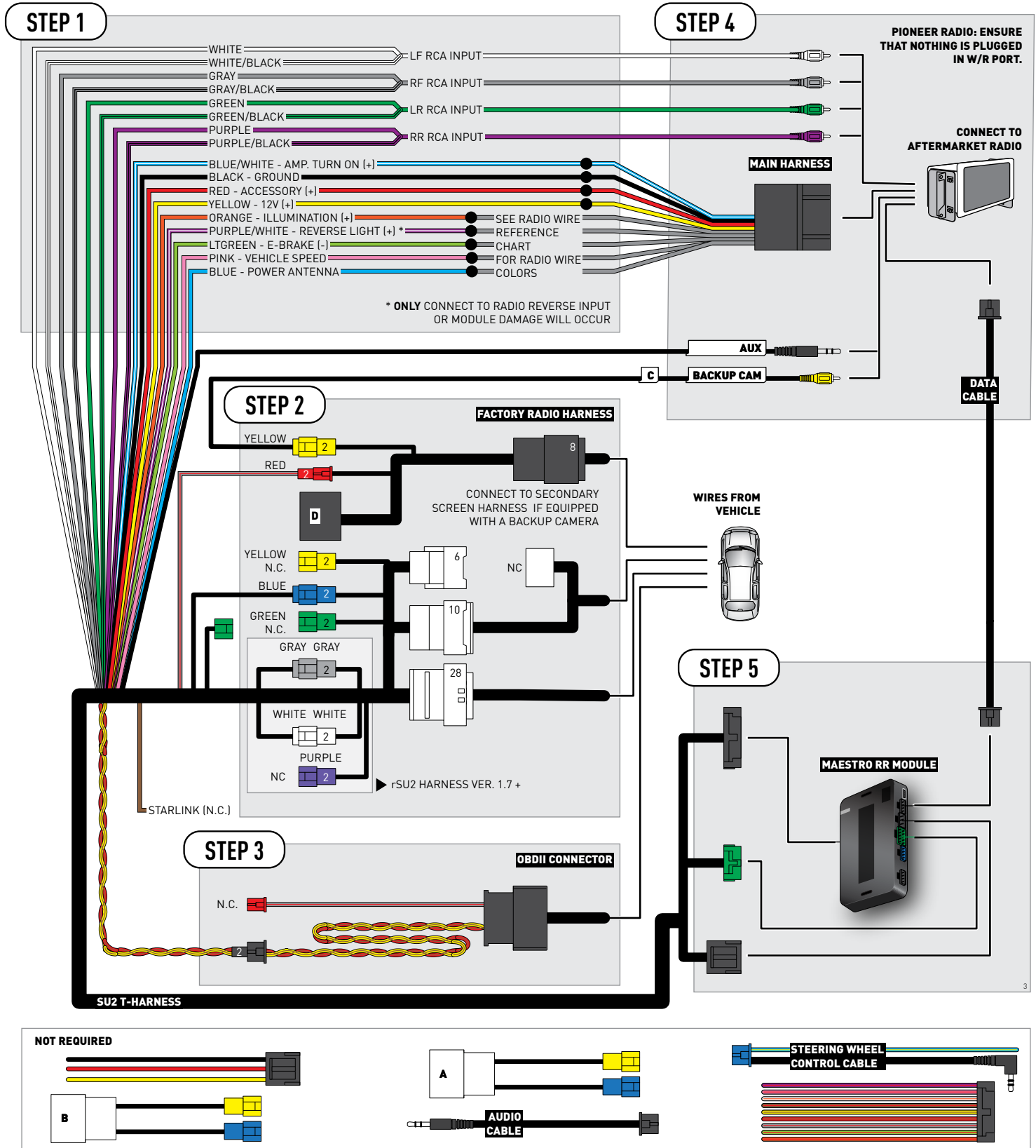
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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Email: maestro.support@idatalink.com

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IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



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INSTALLATION INSTRUCTIONS P1/1

STEP 1

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- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

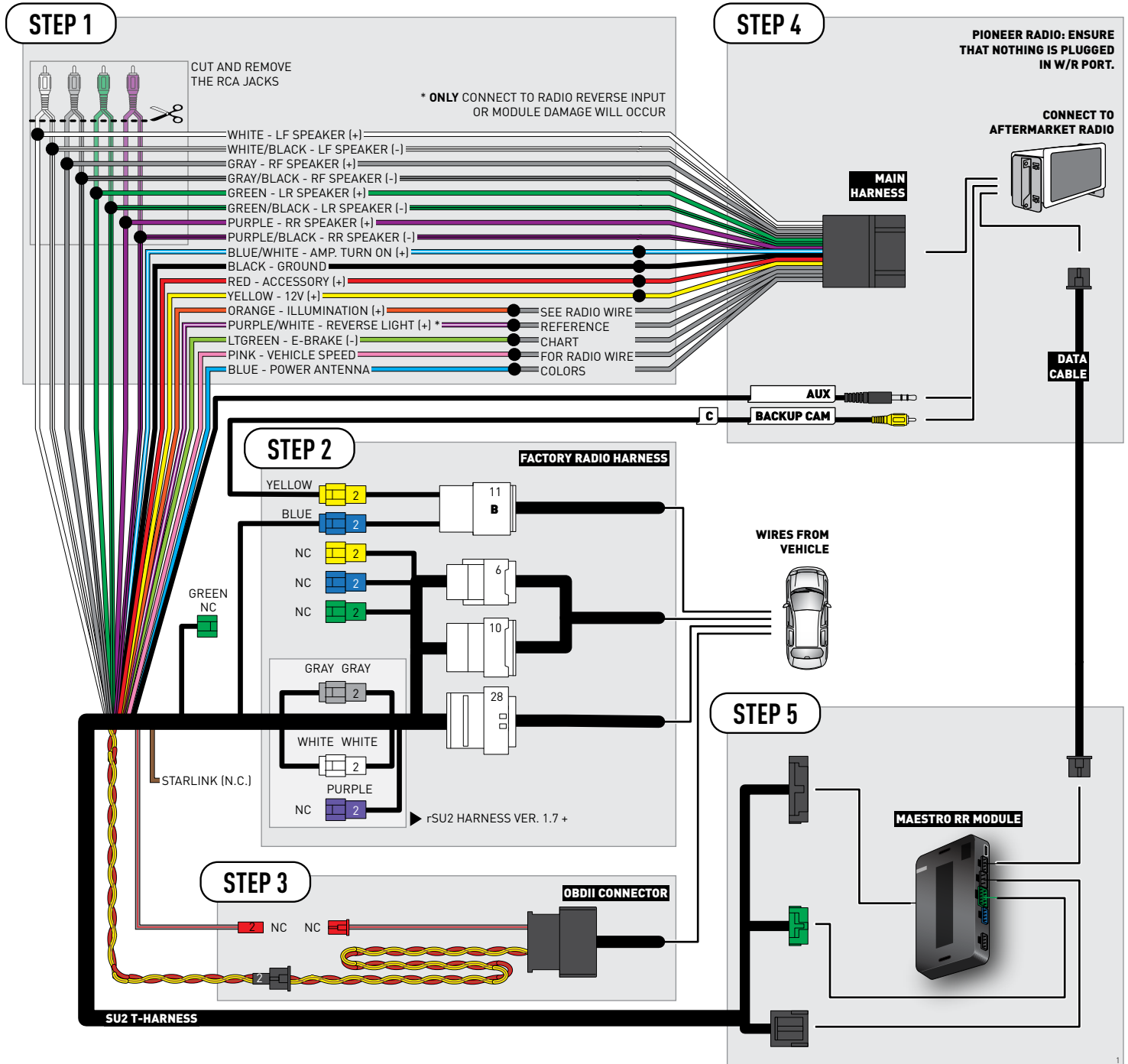
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

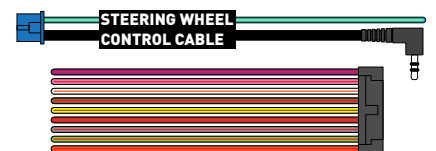
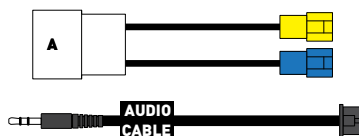
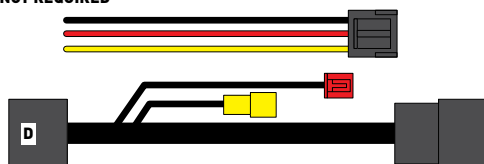
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WIRING DIAGRAM



NOT REQUIRED



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Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES

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WELCOME

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- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

STEP 3

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

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- Plug the Data cable to the data port of the aftermarket radio.

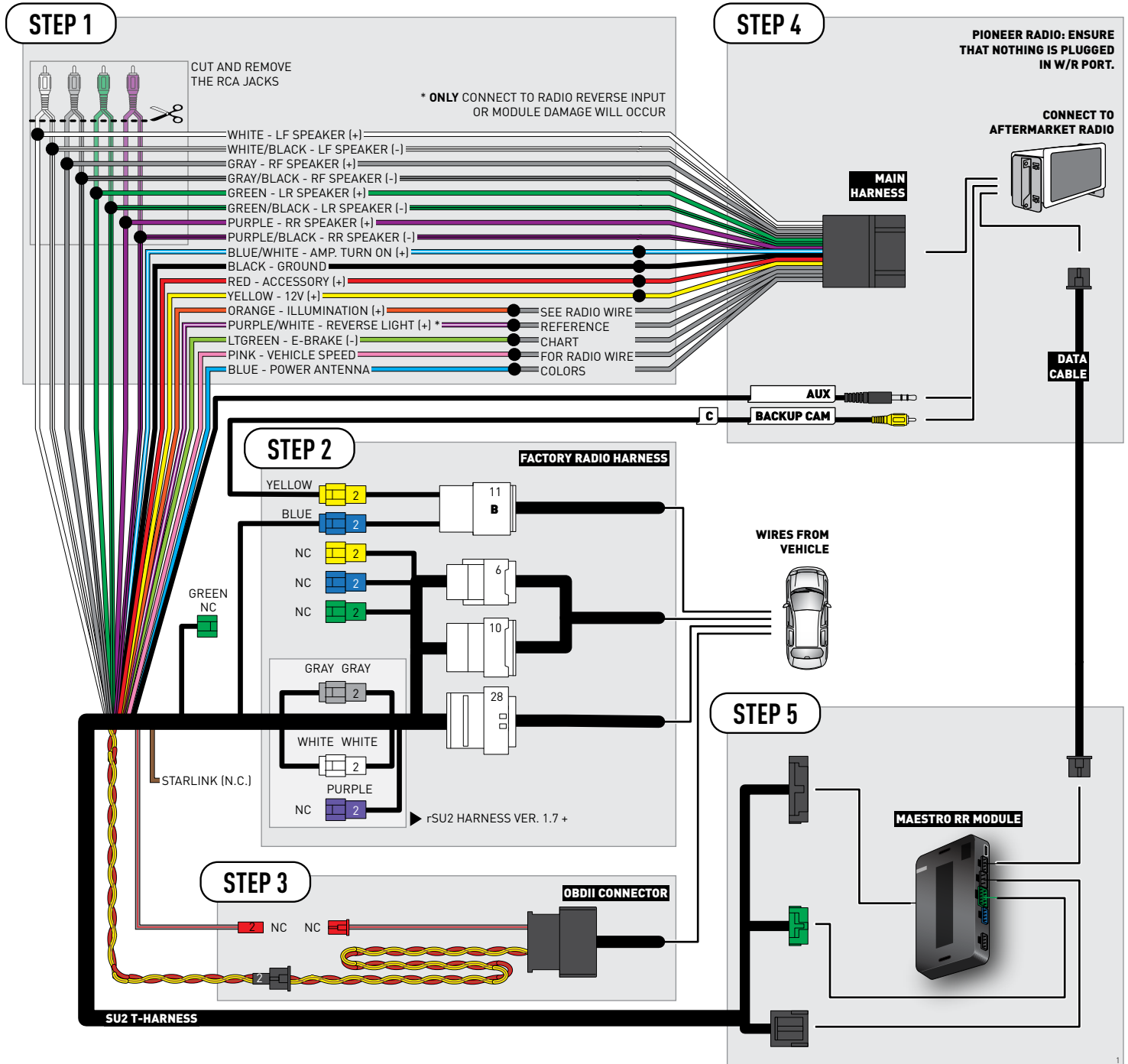
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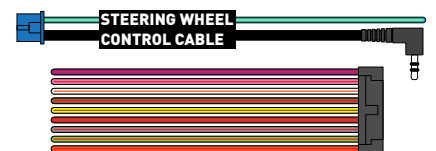
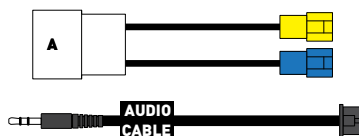
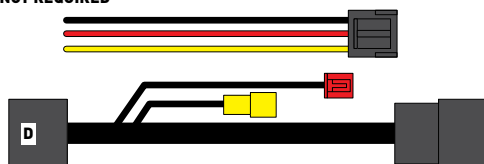
- Connect all the harnesses to the Maestro RR module then test your installation.



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NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

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STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
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- Plug the Data cable to the data port of the aftermarket radio.

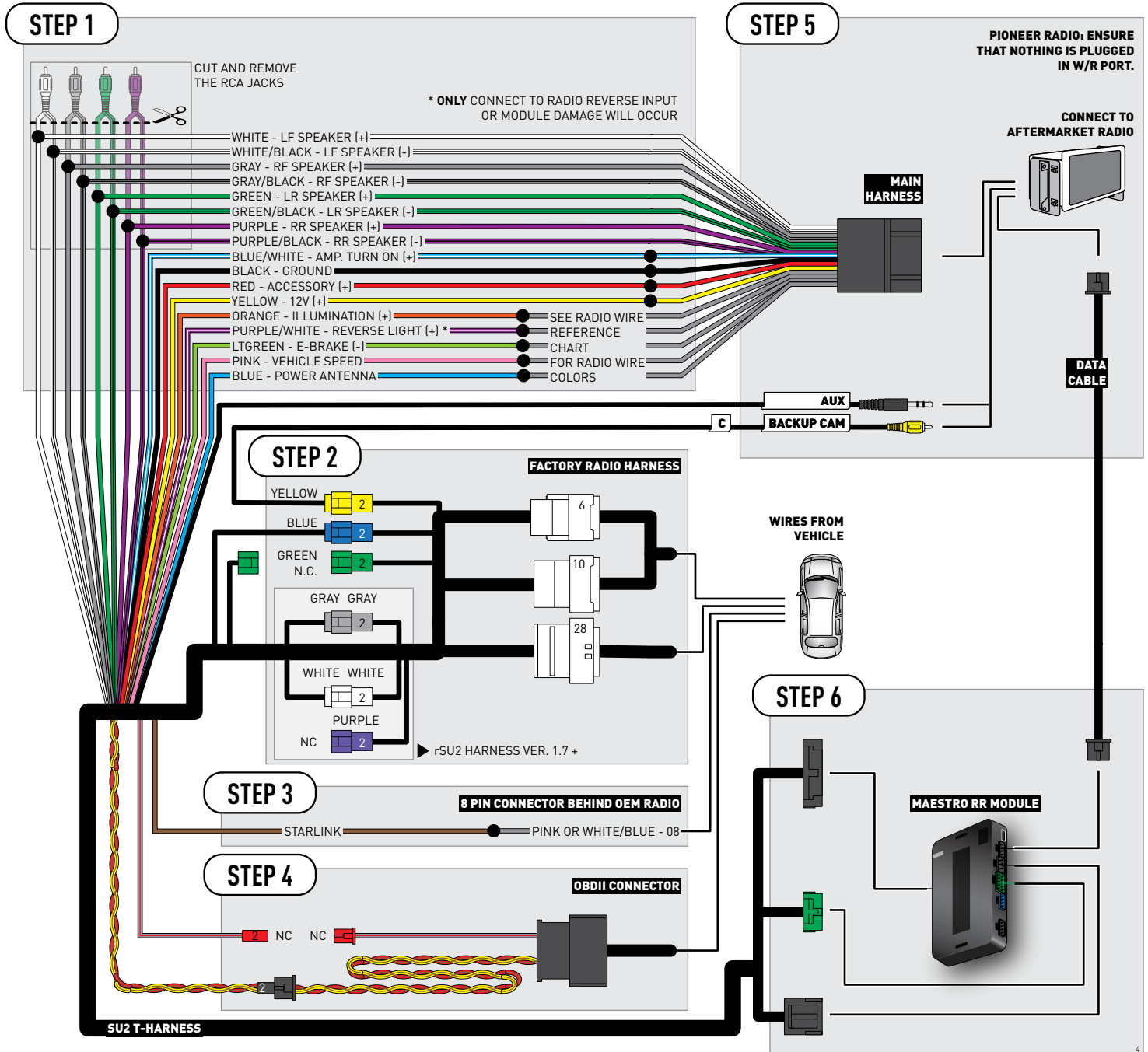
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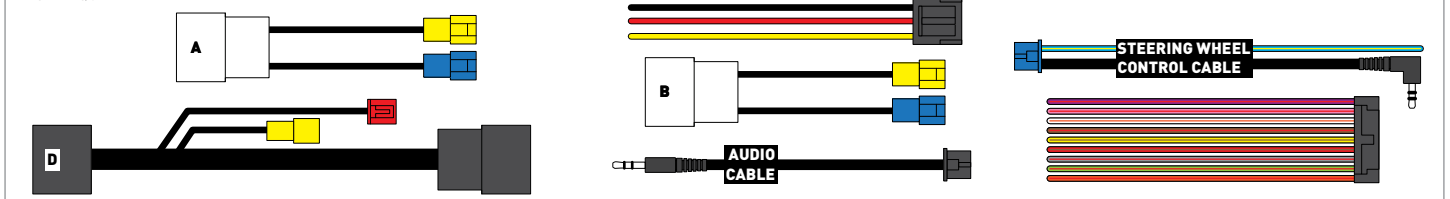
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P1 /2

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Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

Web: maestro.idatalink.com/support add www.12voldata.com/forum/

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



2015-2016

SUBARU IMPREZA

WITH 6.2 INCH SCREEN AND HARMAN KARDON

RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



Click here for:
[Radar Installation Guides](#)

ACC-uSU2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.



WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

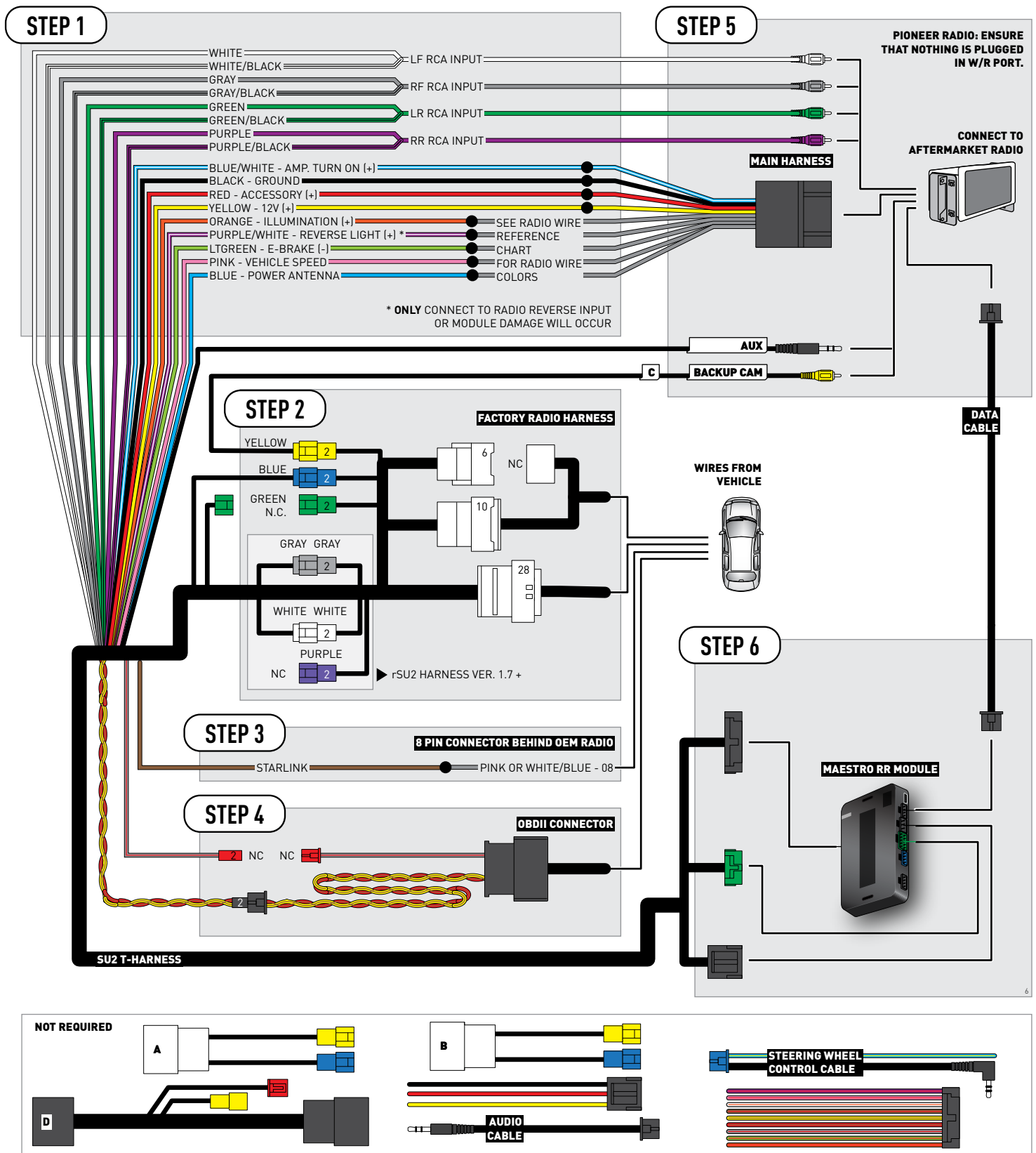
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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RETAINS STEERING WHEEL CONTROLS, AND MORE!



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WELCOME

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

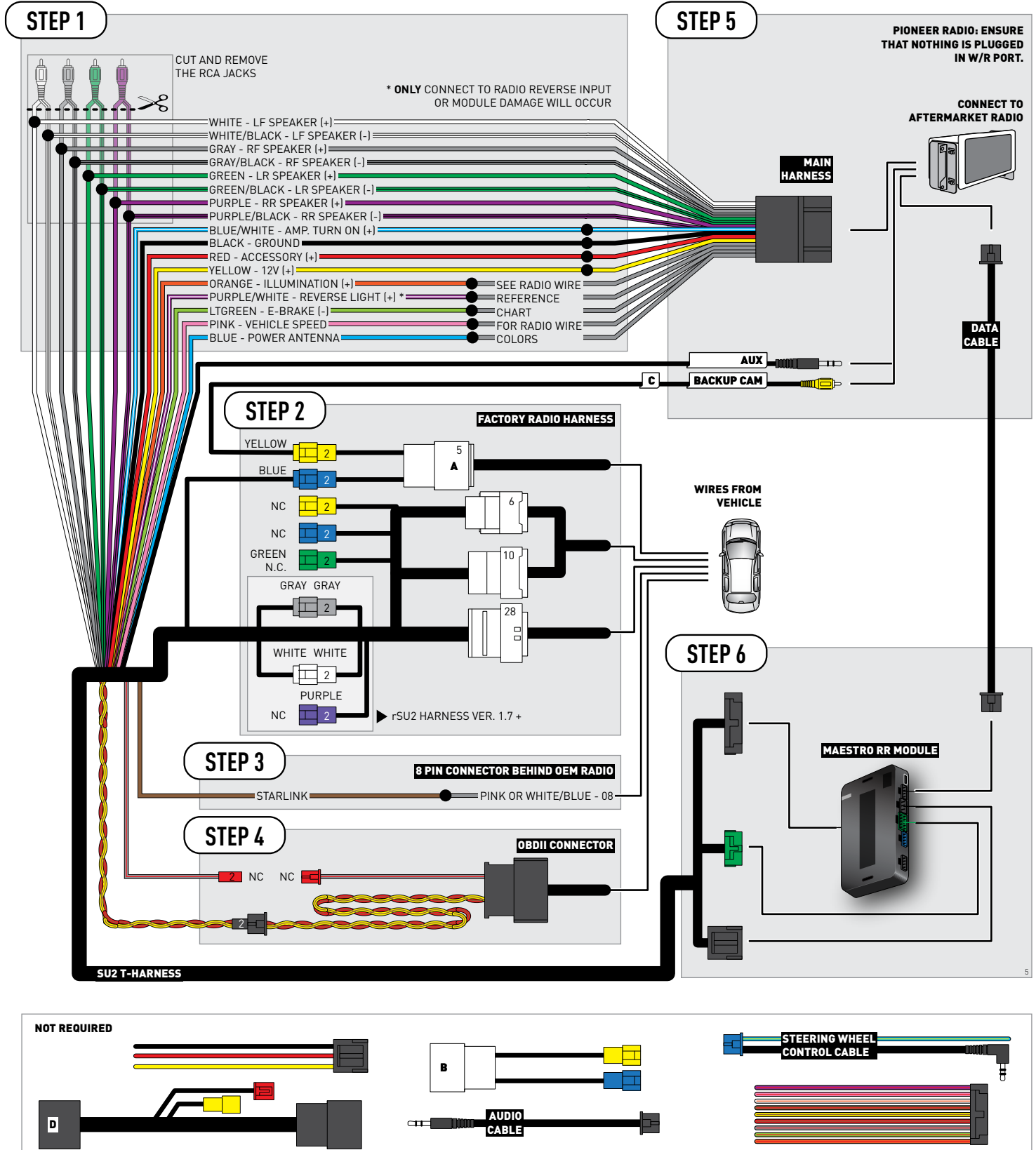
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
• or •		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
•		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
•		2 RED flashes	Problem detected. Consult troubleshooting table.
•		1 GREEN flash	After radio boots up : Normal operation.
	•	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
•	•	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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Web: maestro.idatalink.com/support add www.12voldata.com/forum/

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



2015-2016

SUBARU IMPREZA

WITH 7 INCH SCREEN AND HARMAN KARDON

RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-uSU2

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WELCOME

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

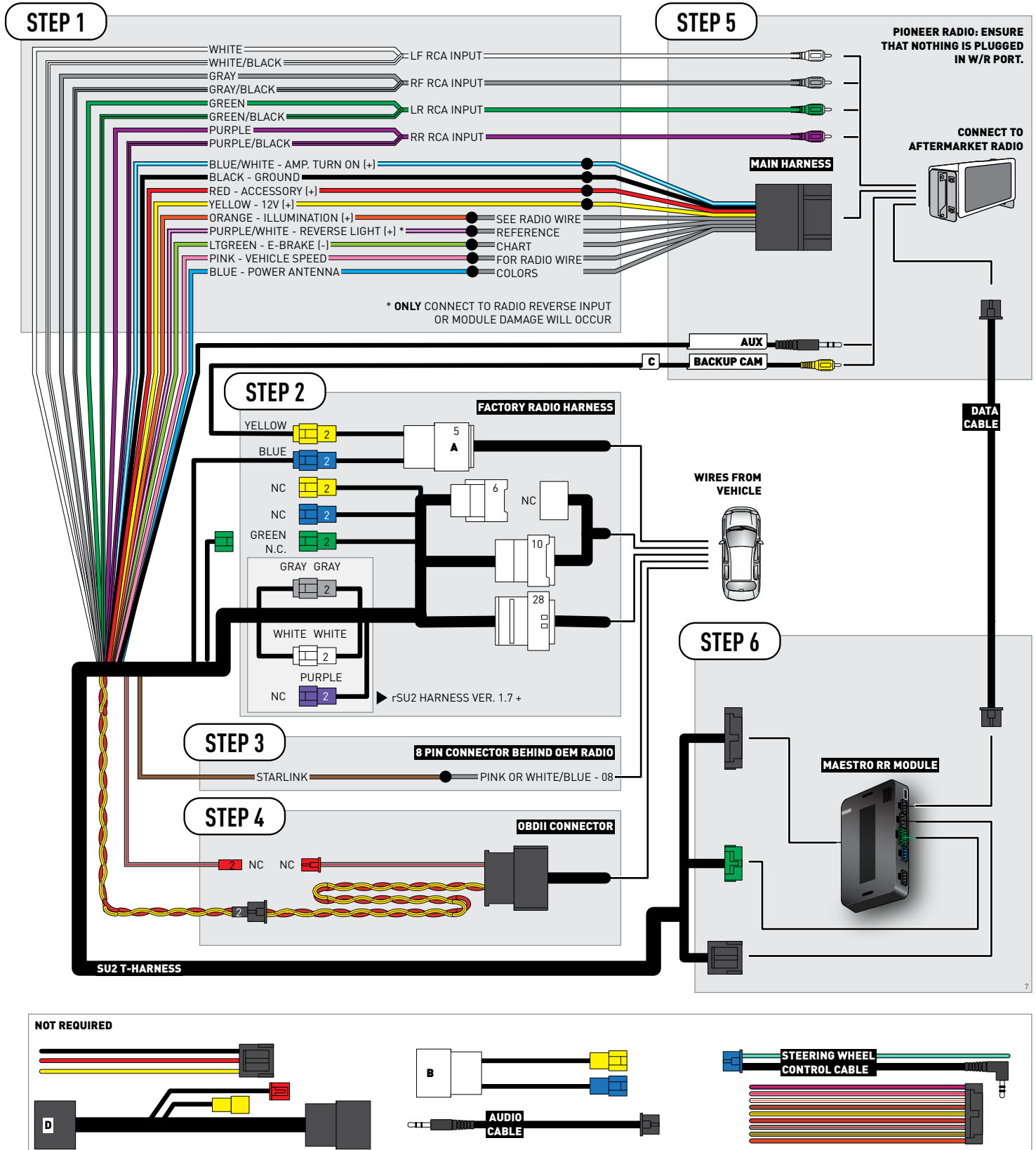
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
• or •		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
•		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
•		2 RED flashes	Problem detected. Consult troubleshooting table.
•		1 GREEN flash	After radio boots up : Normal operation.
	•	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
•	•	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
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The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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2012-2014

SUBARU IMPREZA

WITH NAV AND HARMAN KARDON AND OEM CAMERA ON RADIO

RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

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INSTALLATION INSTRUCTIONS P1 /1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

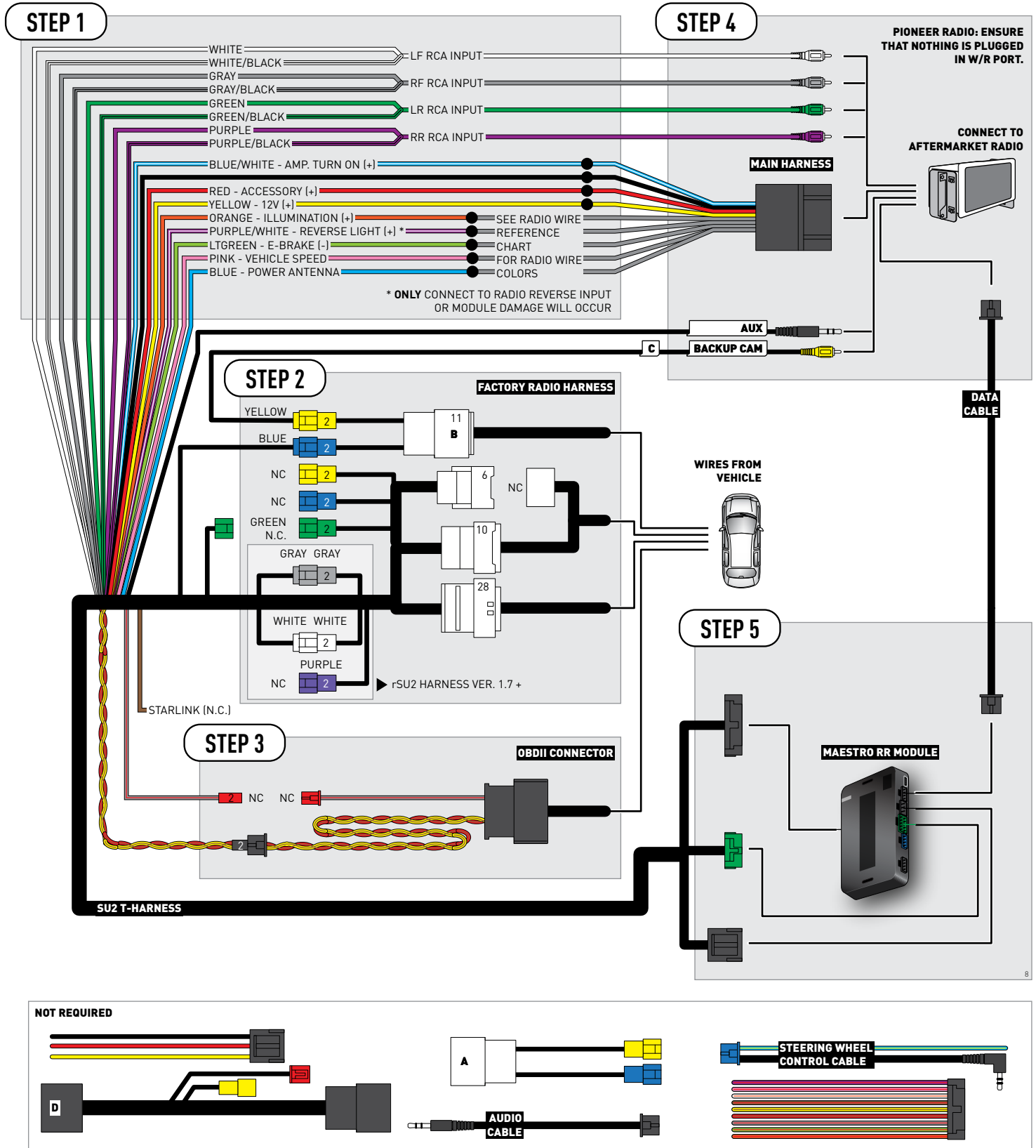
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
• or •		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
•		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
•		2 RED flashes	Problem detected. Consult troubleshooting table.
•		1 GREEN flash	After radio boots up : Normal operation.
	•	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
•	•	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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WELCOME

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS P1 /1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
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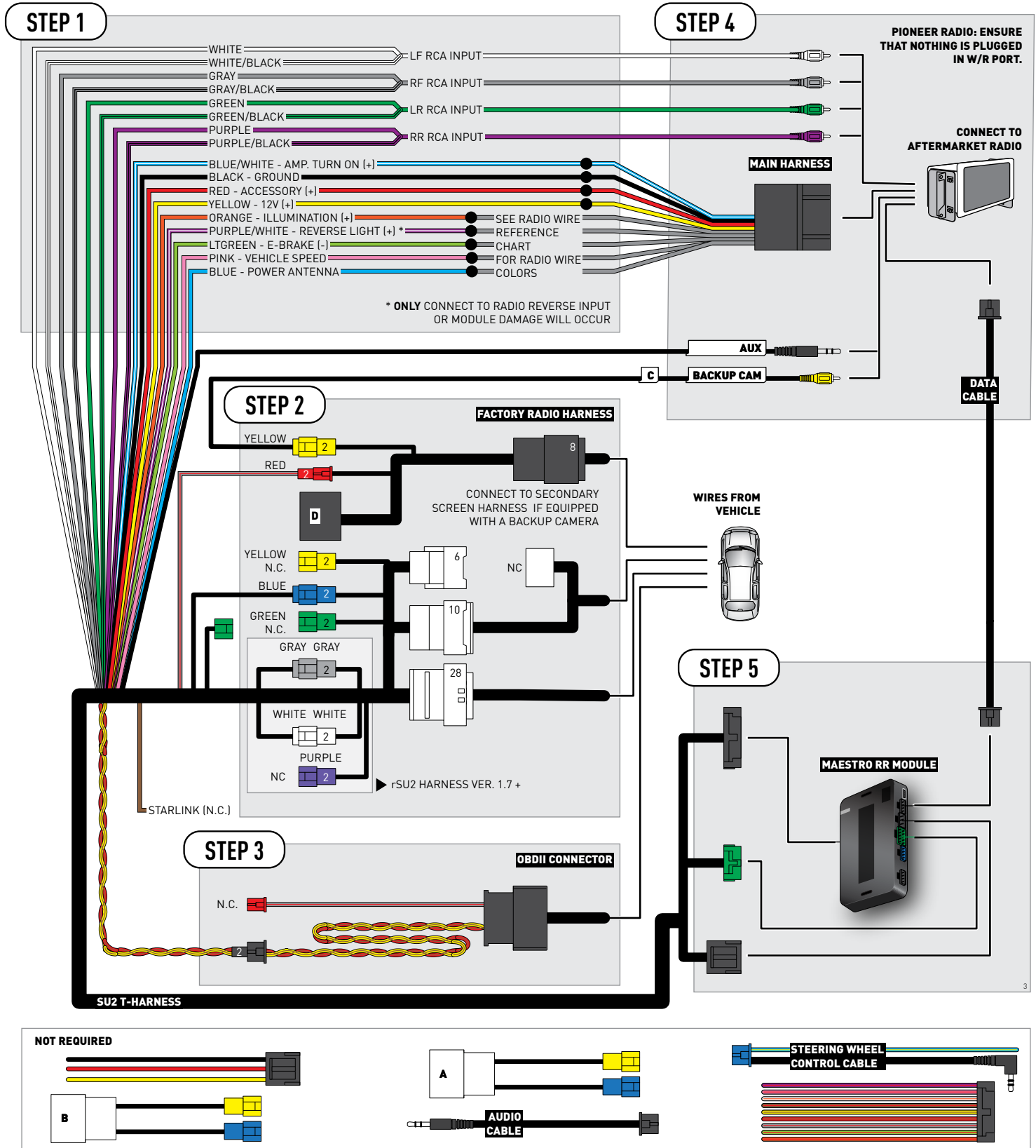
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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TROUBLESHOOTING TABLE

P1 /2

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The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

STEP 3

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

STEP 4

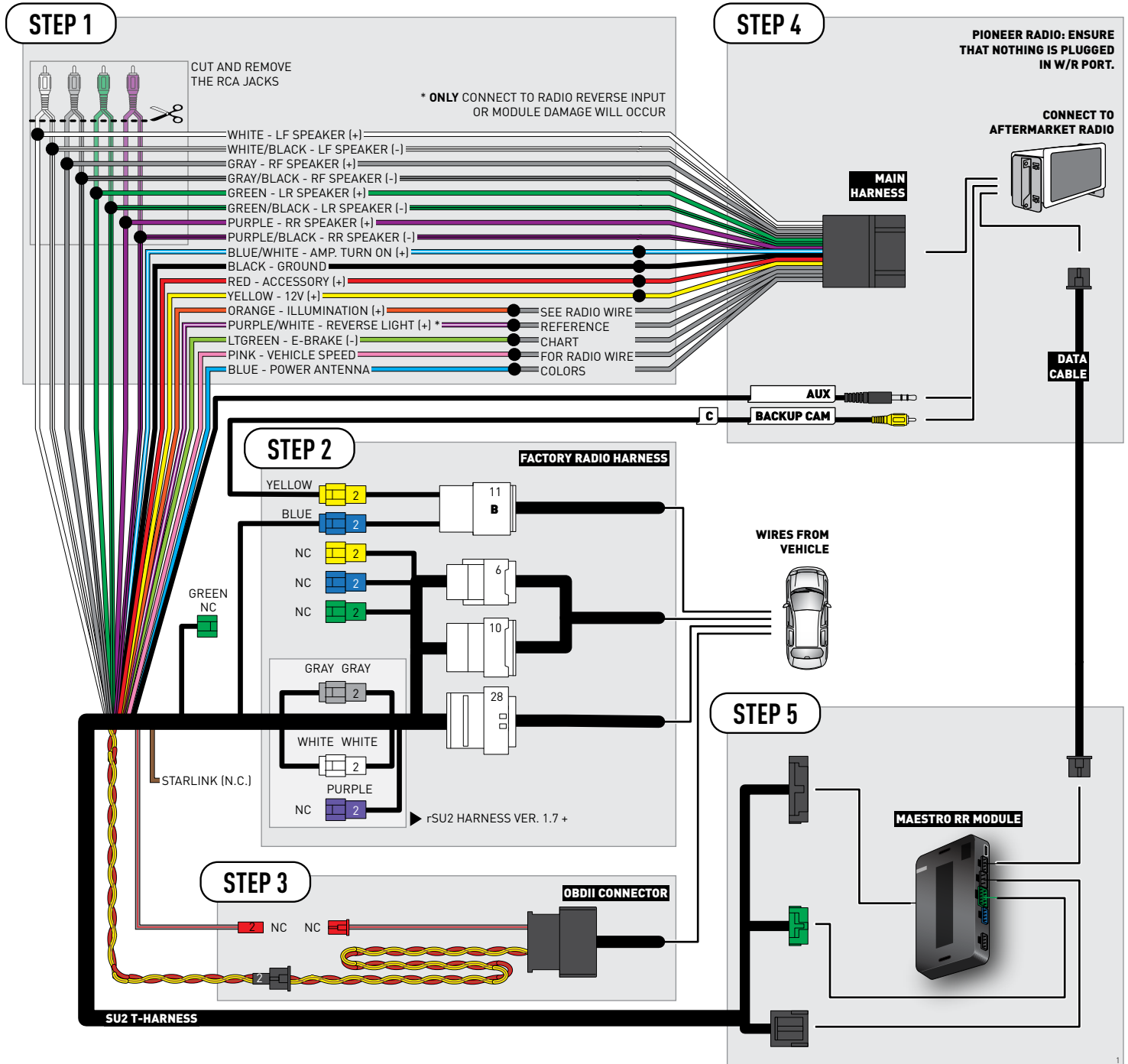
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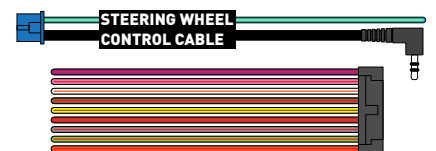
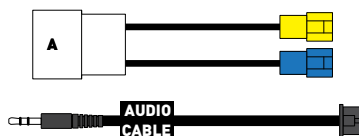
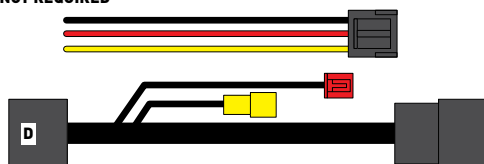
STEP 5

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

WIRING DIAGRAM



NOT REQUIRED



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Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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P1 /2

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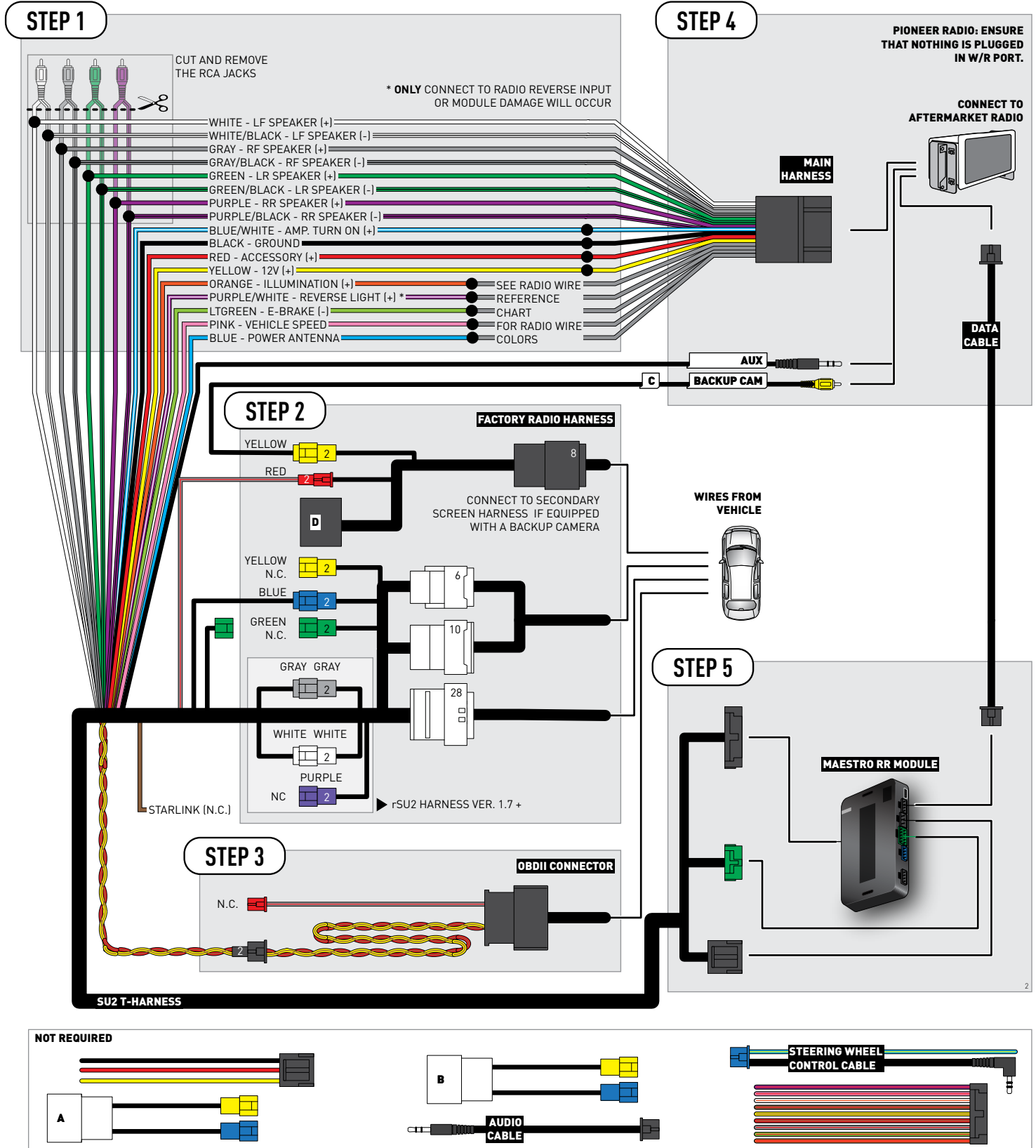
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TROUBLESHOOTING TABLE

P1 /2

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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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RETAINS STEERING WHEEL CONTROLS, AND MORE!



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ADDITIONAL RESOURCES

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ACC-uSU2

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

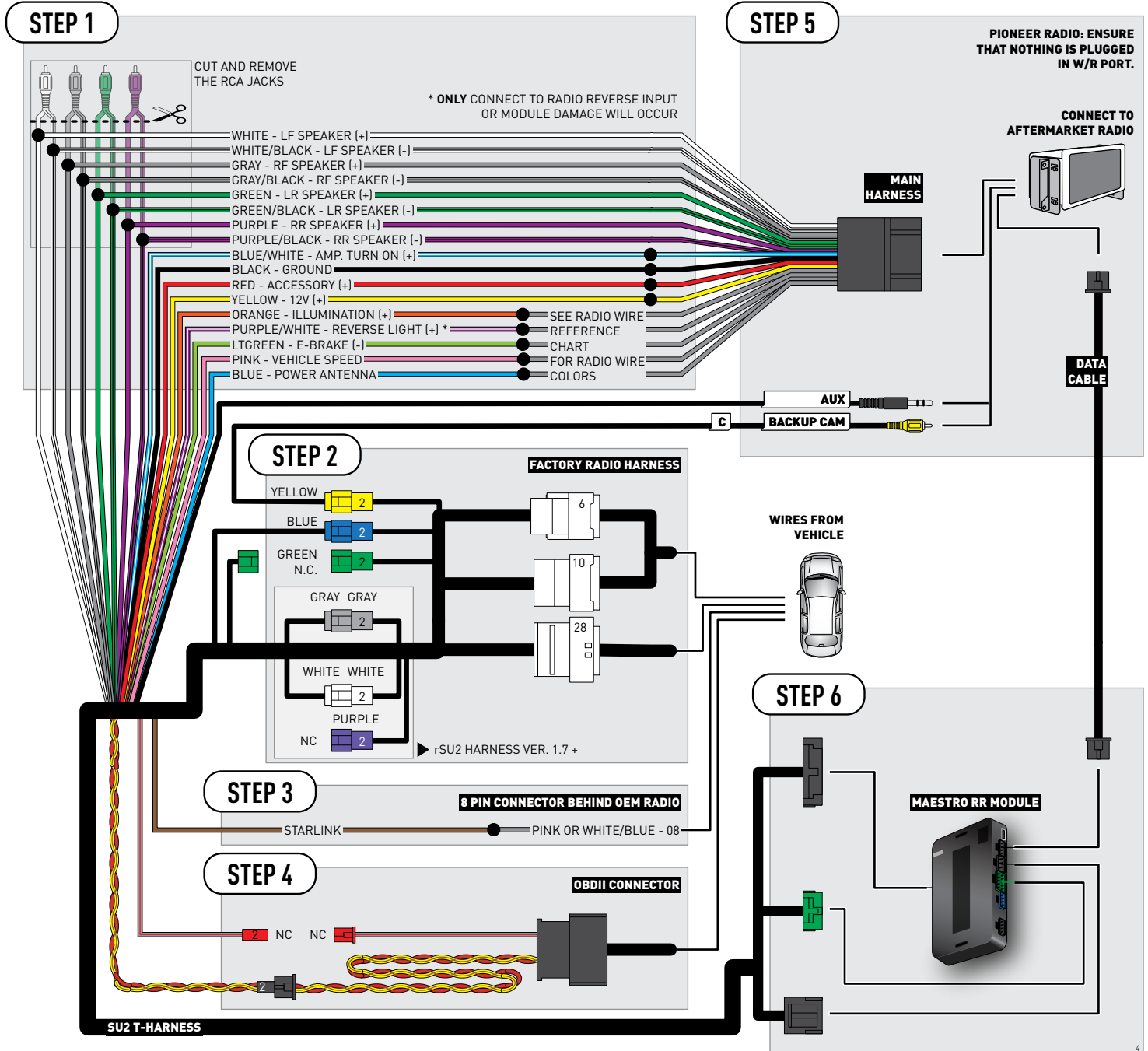
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

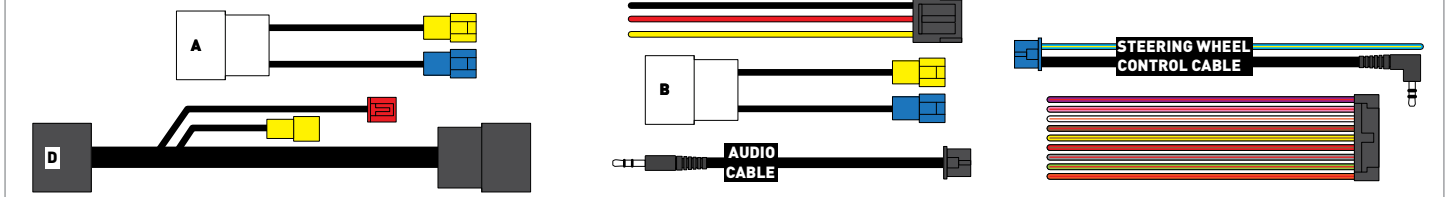
- Connect all the harnesses to the Maestro RR module then test your installation.



WIRING DIAGRAM



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
• or •		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
•		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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•		1 GREEN flash	After radio boots up : Normal operation.
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TROUBLESHOOTING TABLE

P1 /2

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MAESTRO RR RESET PROCEDURE:

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INSTALLATION INSTRUCTIONS P1/1

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- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

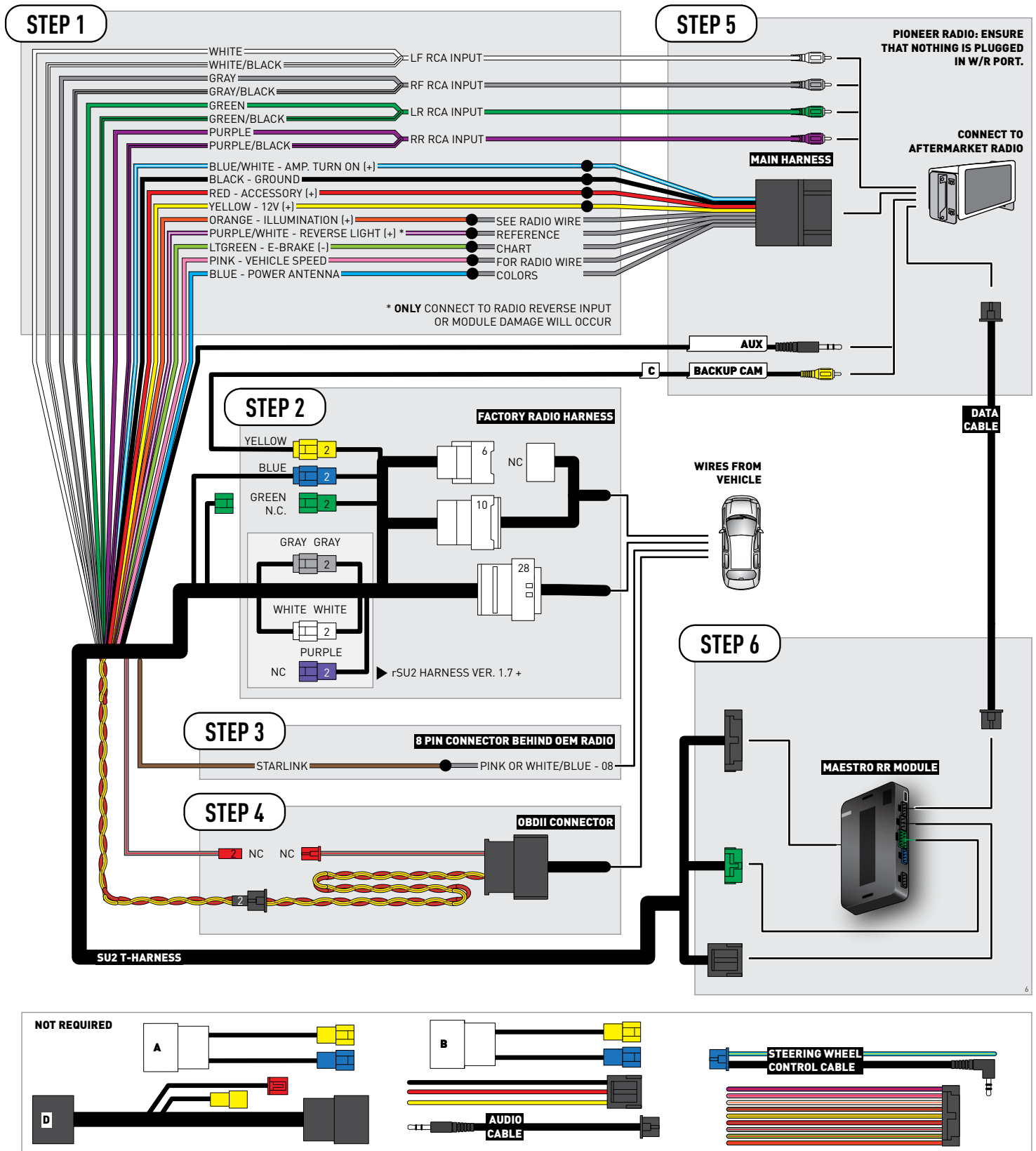
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
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- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

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- Plug the AUX cable to the aftermarket radio.
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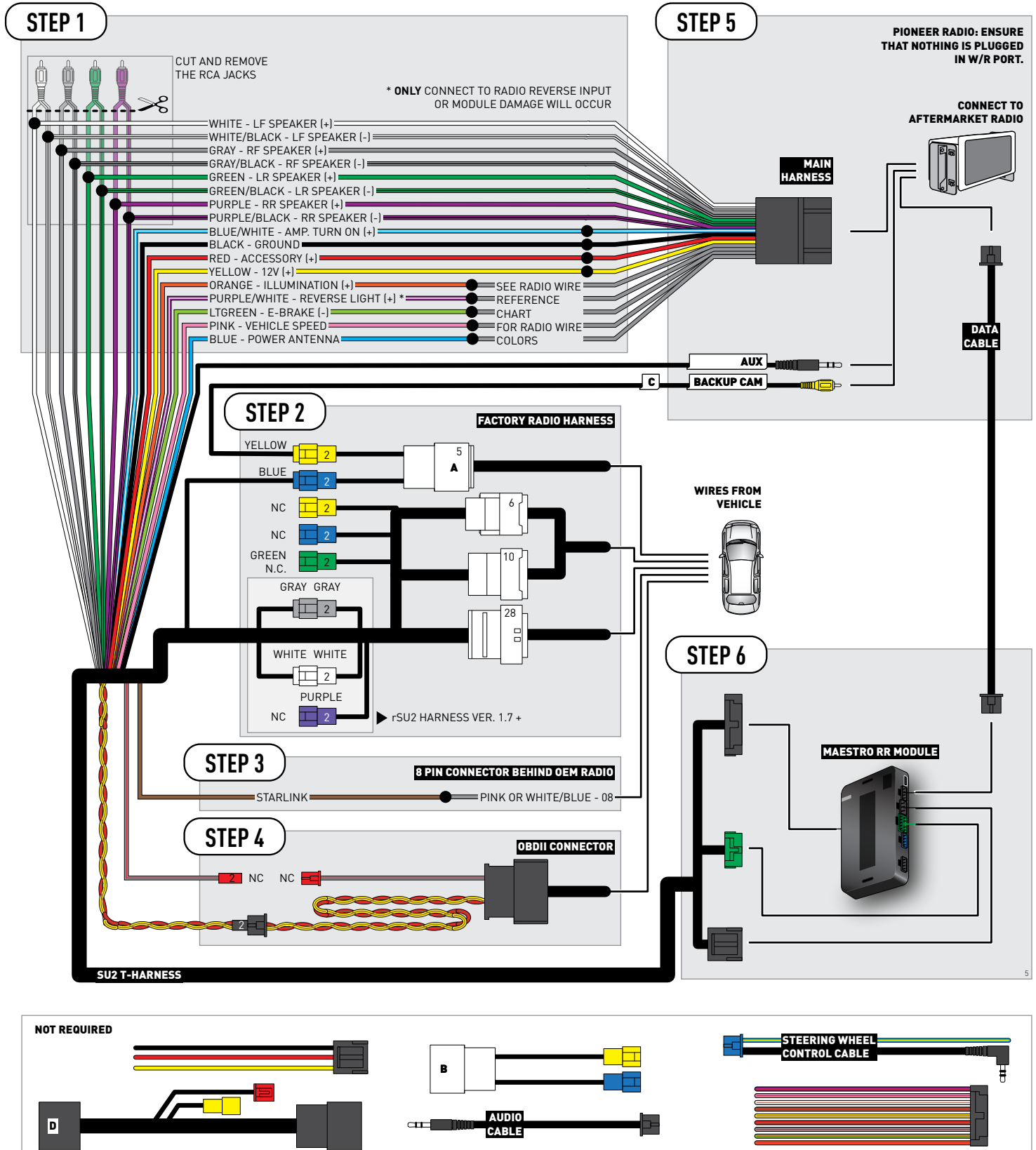
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- Connect all the harnesses to the Maestro RR module then test your installation.



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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
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TROUBLESHOOTING TABLE

P1/2

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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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- Plug the Data cable to the data port of the aftermarket radio.

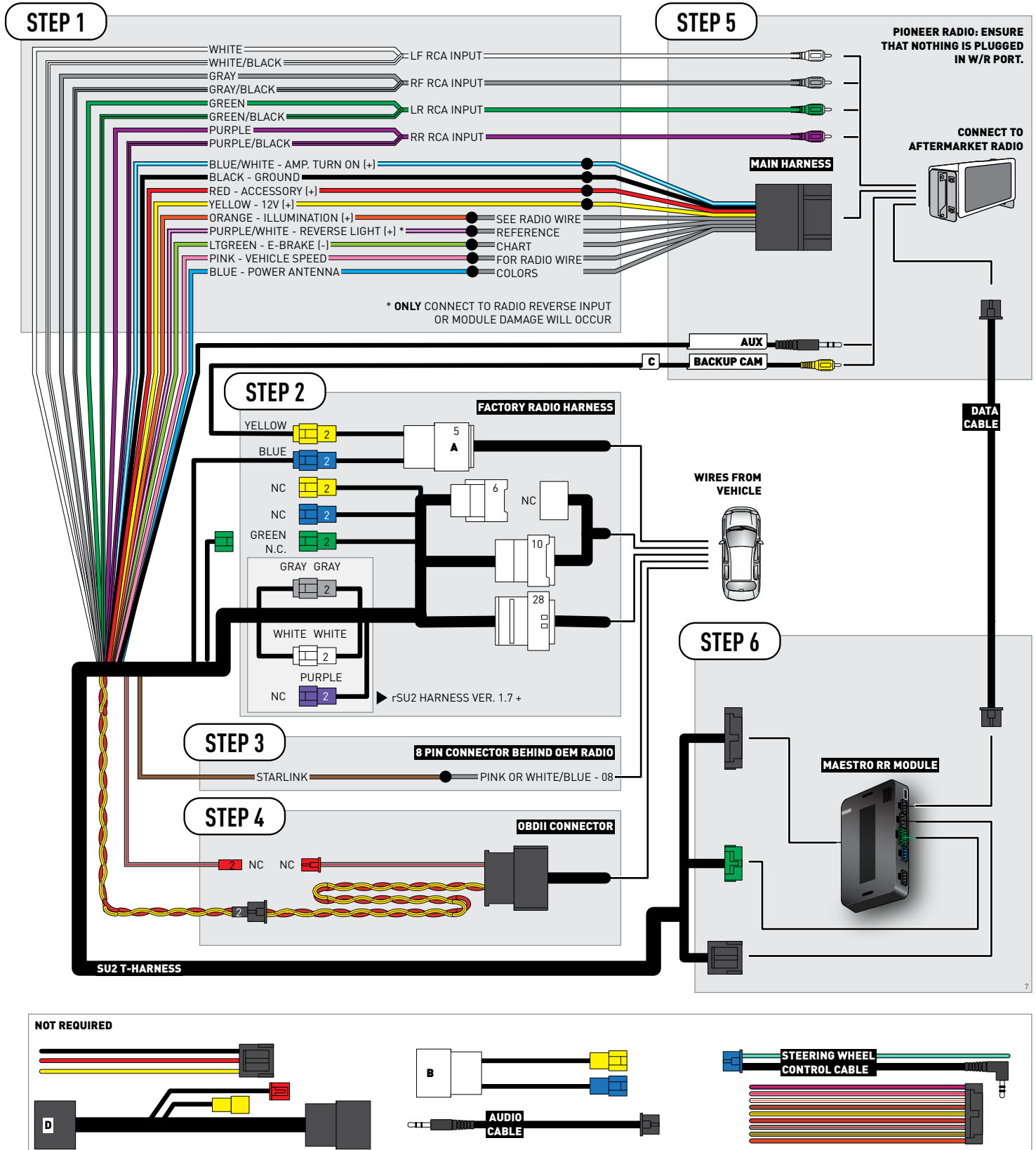
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
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Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
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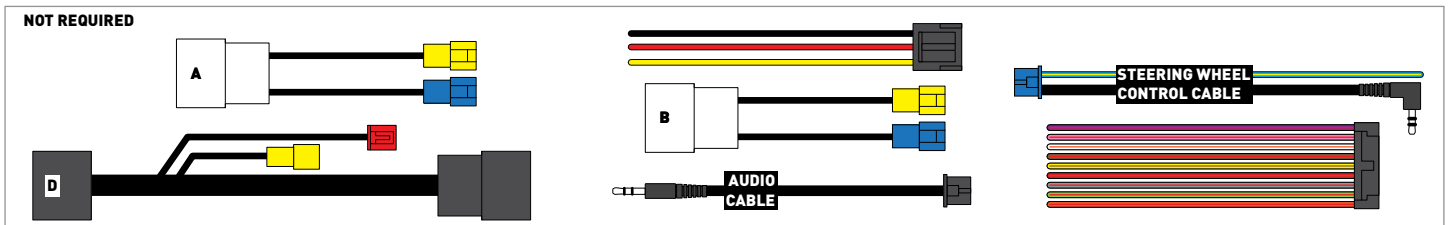
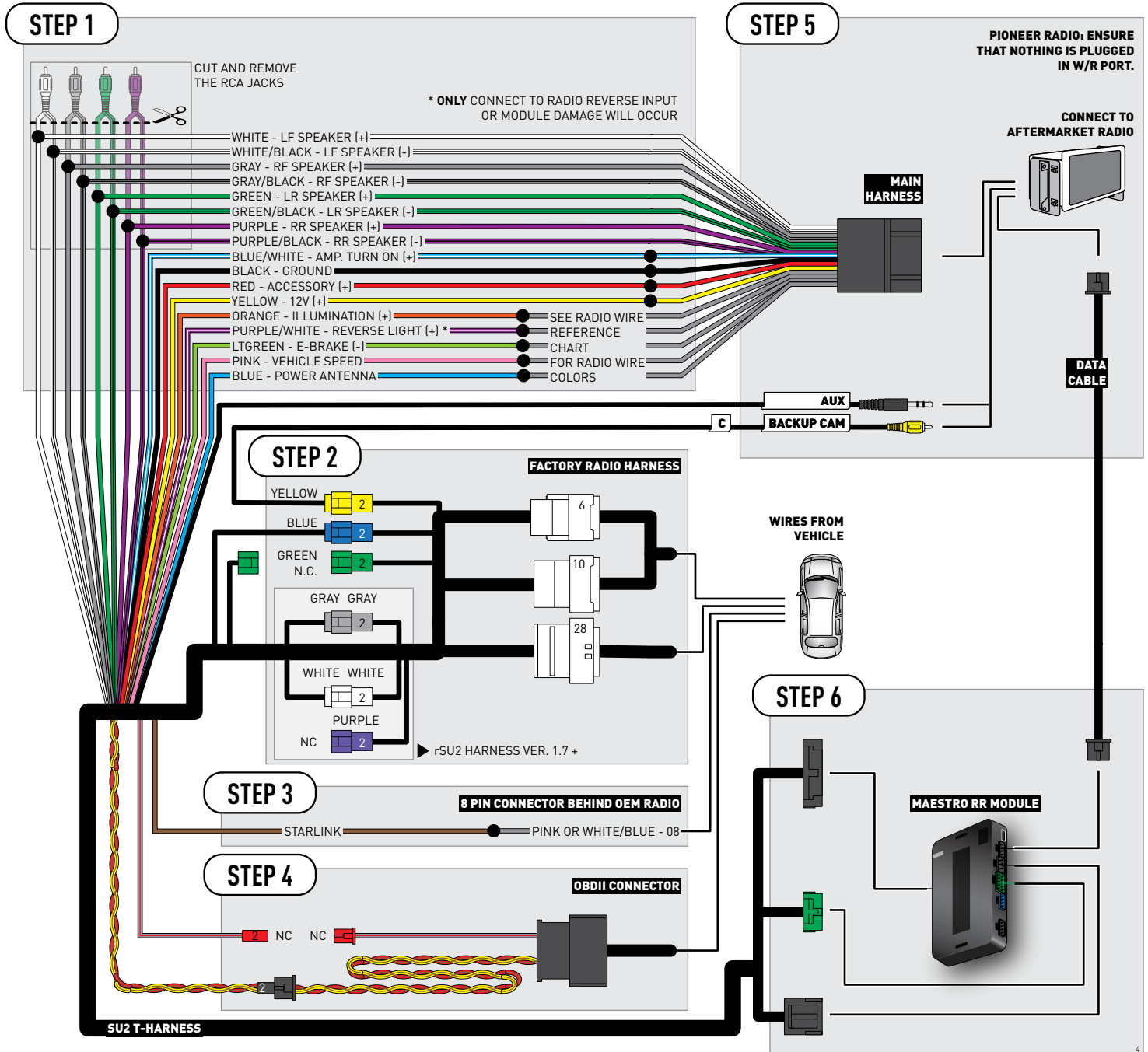
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P1 /2

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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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2015-2017

SUBARU OUTBACK

WITH 6.2 INCH SCREEN AND HARMAN KARDON

RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

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iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES

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ACC-uSU2

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
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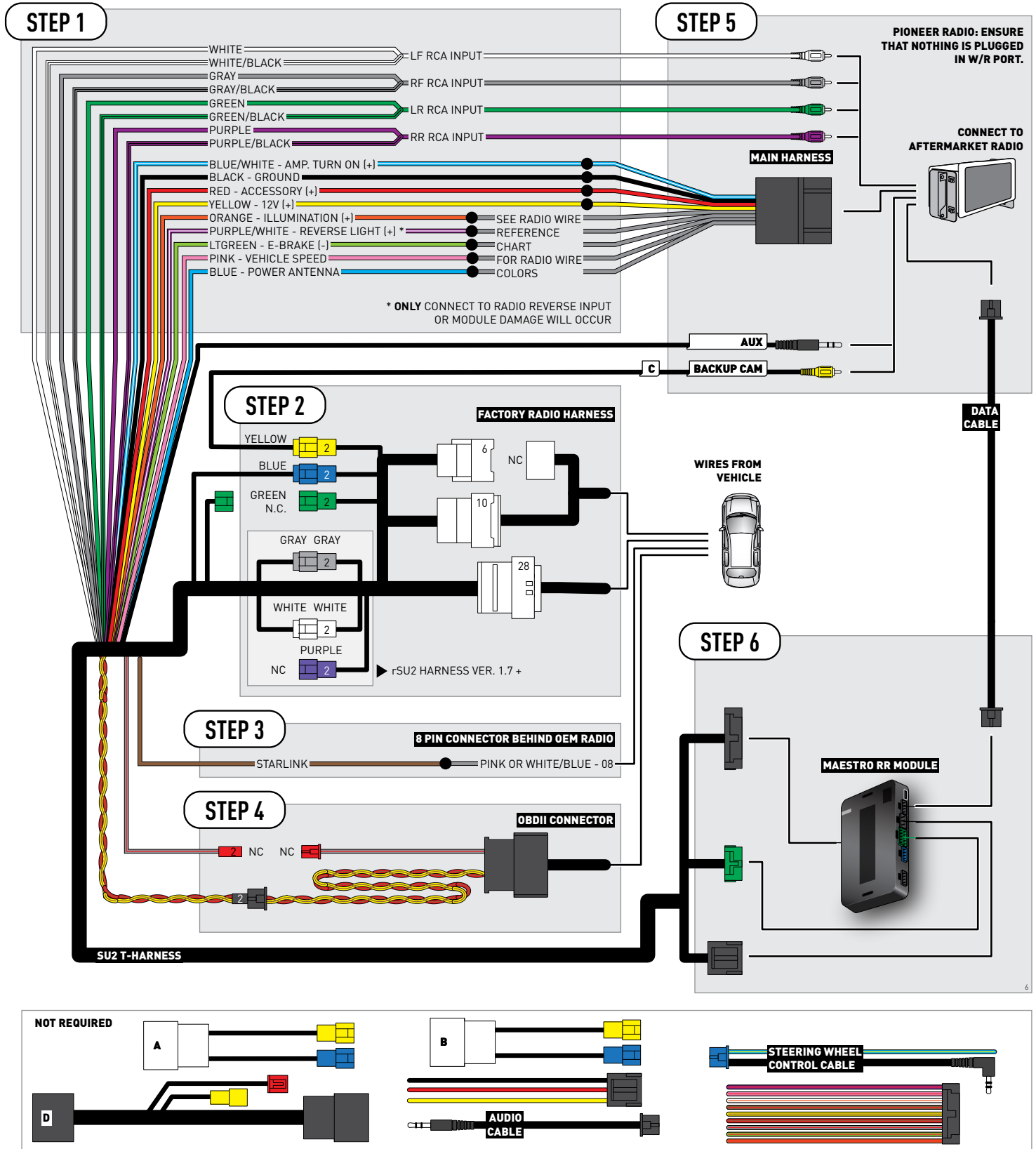
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Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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TROUBLESHOOTING TABLE

P1 /2

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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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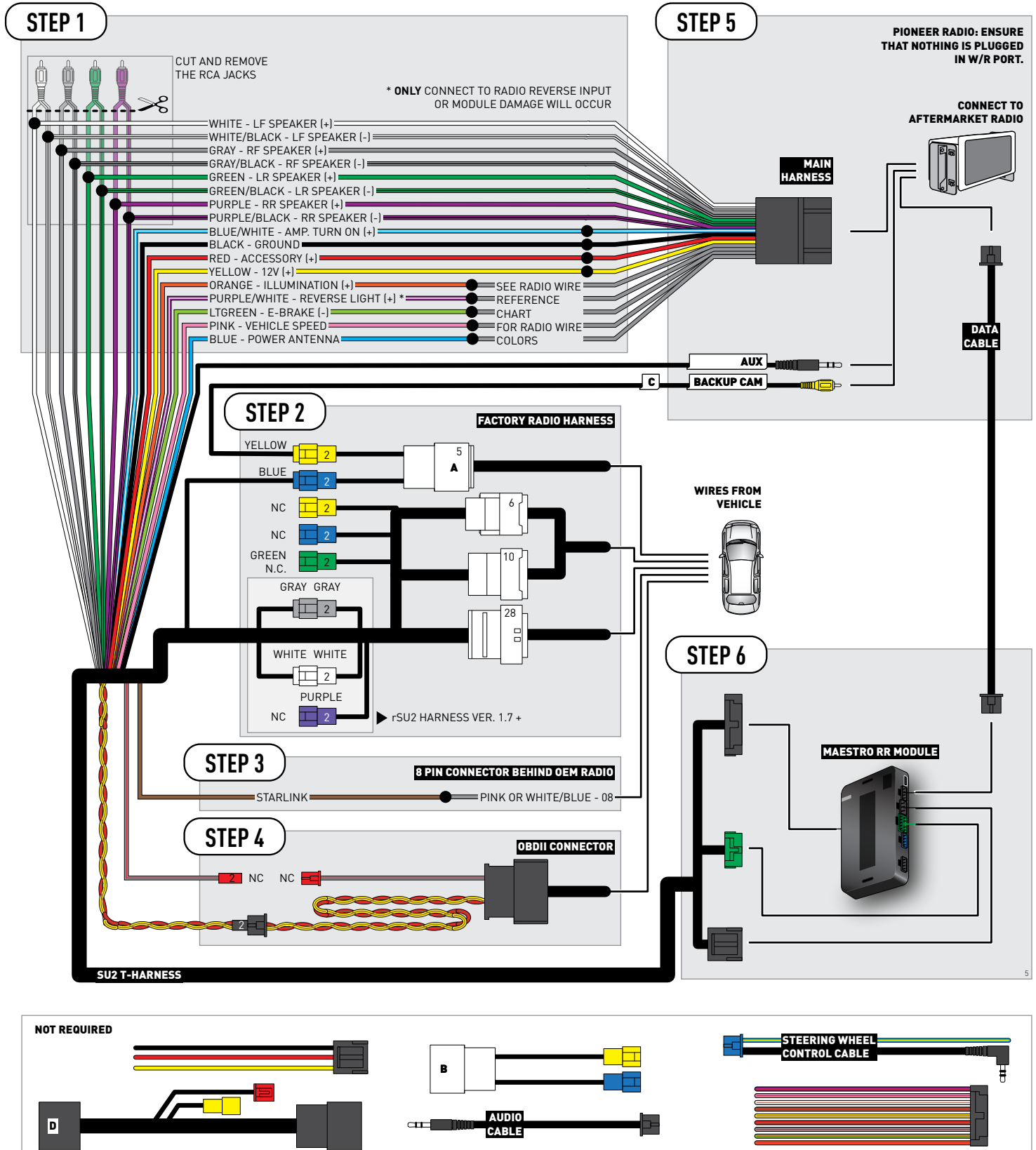
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P1 /2

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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



2015-2017

SUBARU OUTBACK

WITH 7 INCH SCREEN AND HARMAN KARDON

RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
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Click here for:
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ACC-uSU2

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

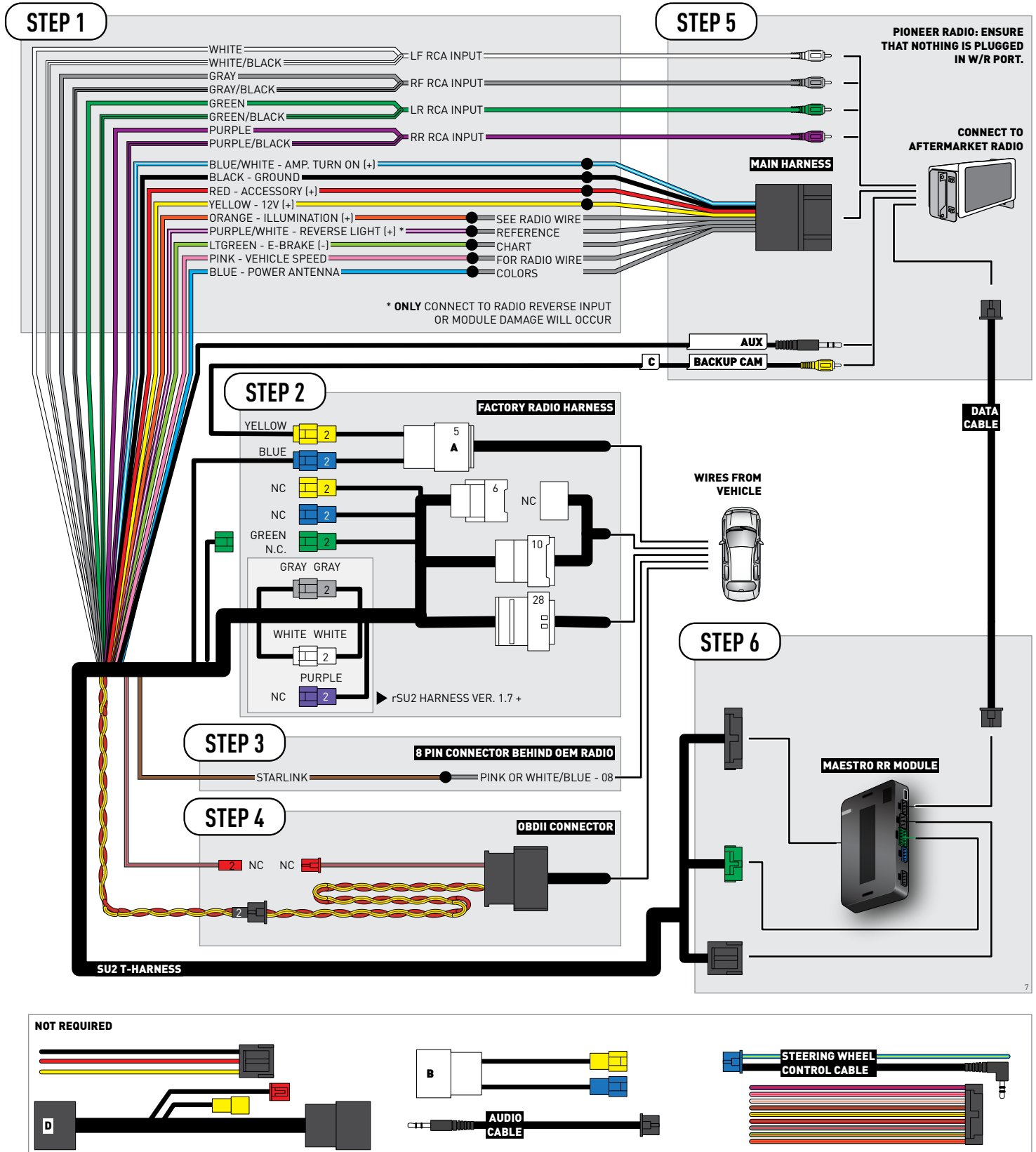
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

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RETAINS STEERING WHEEL CONTROLS, AND MORE!



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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
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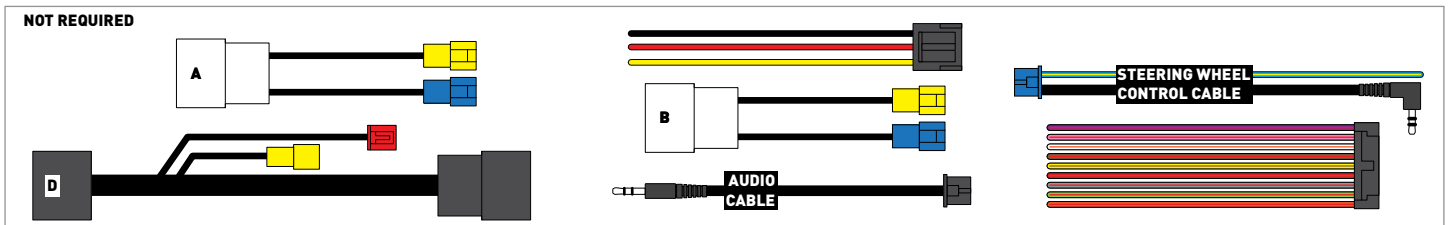
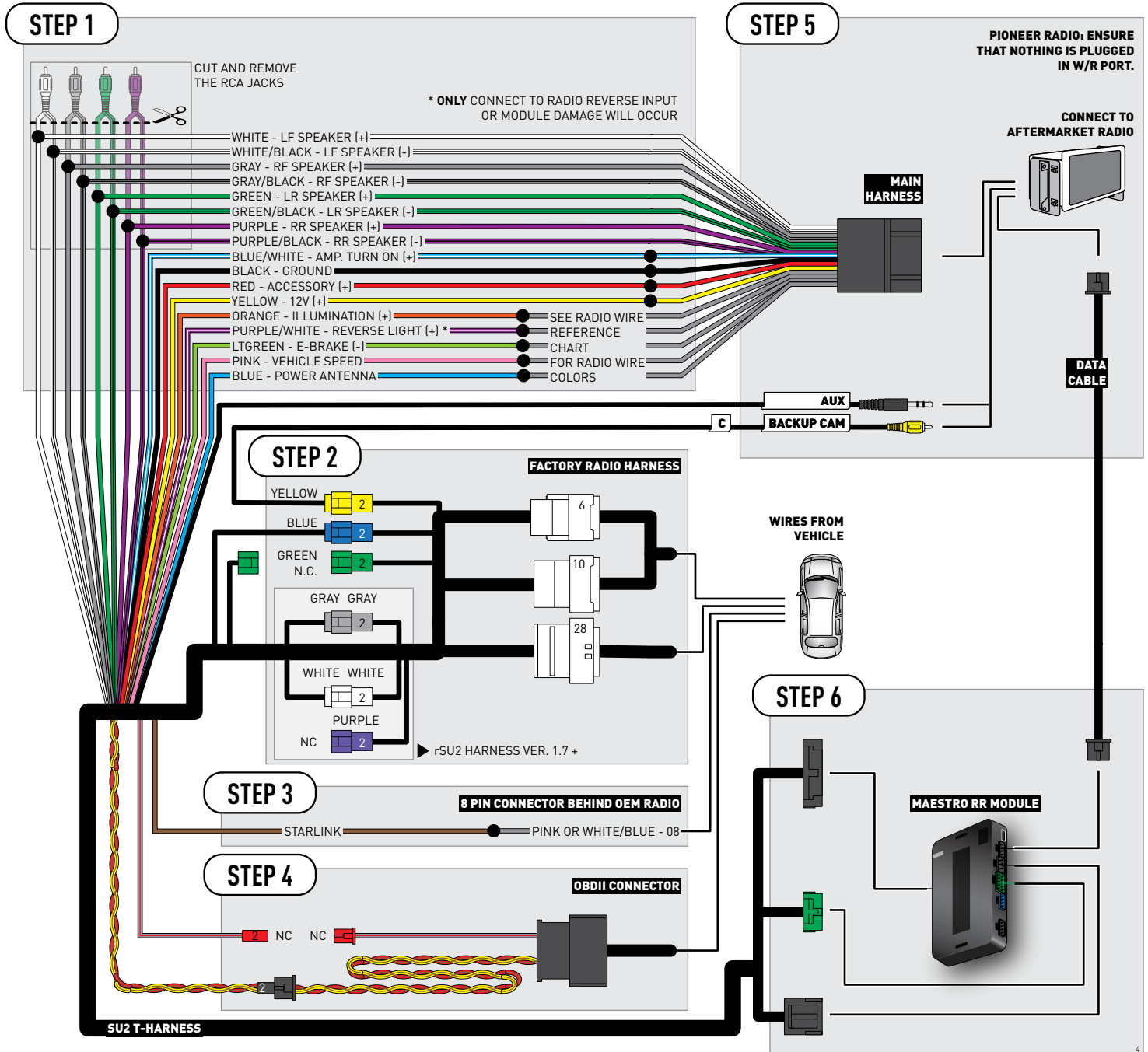
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
• or •		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
•		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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2016-2017

SUBARU WRX STI

WITH 6.2 INCH SCREEN AND HARMAN KARDON

RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-SU2 Installation Harness

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STEP 1

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- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

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Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button.

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

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

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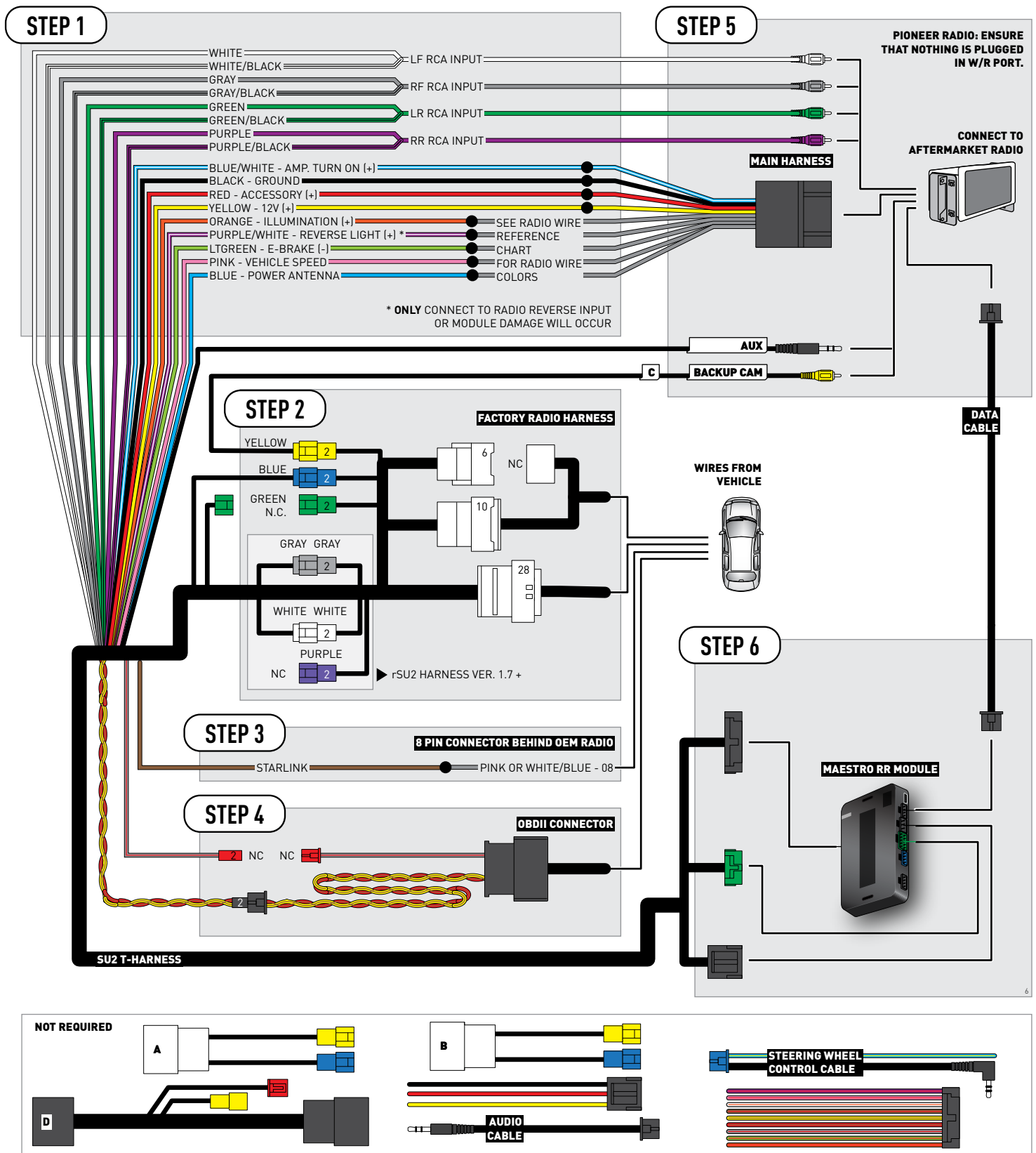
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- Connect all the harnesses to the Maestro RR module then test your installation.



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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
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TROUBLESHOOTING TABLE

P1 /2

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TROUBLESHOOTING TABLE P2 /2

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2018

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- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

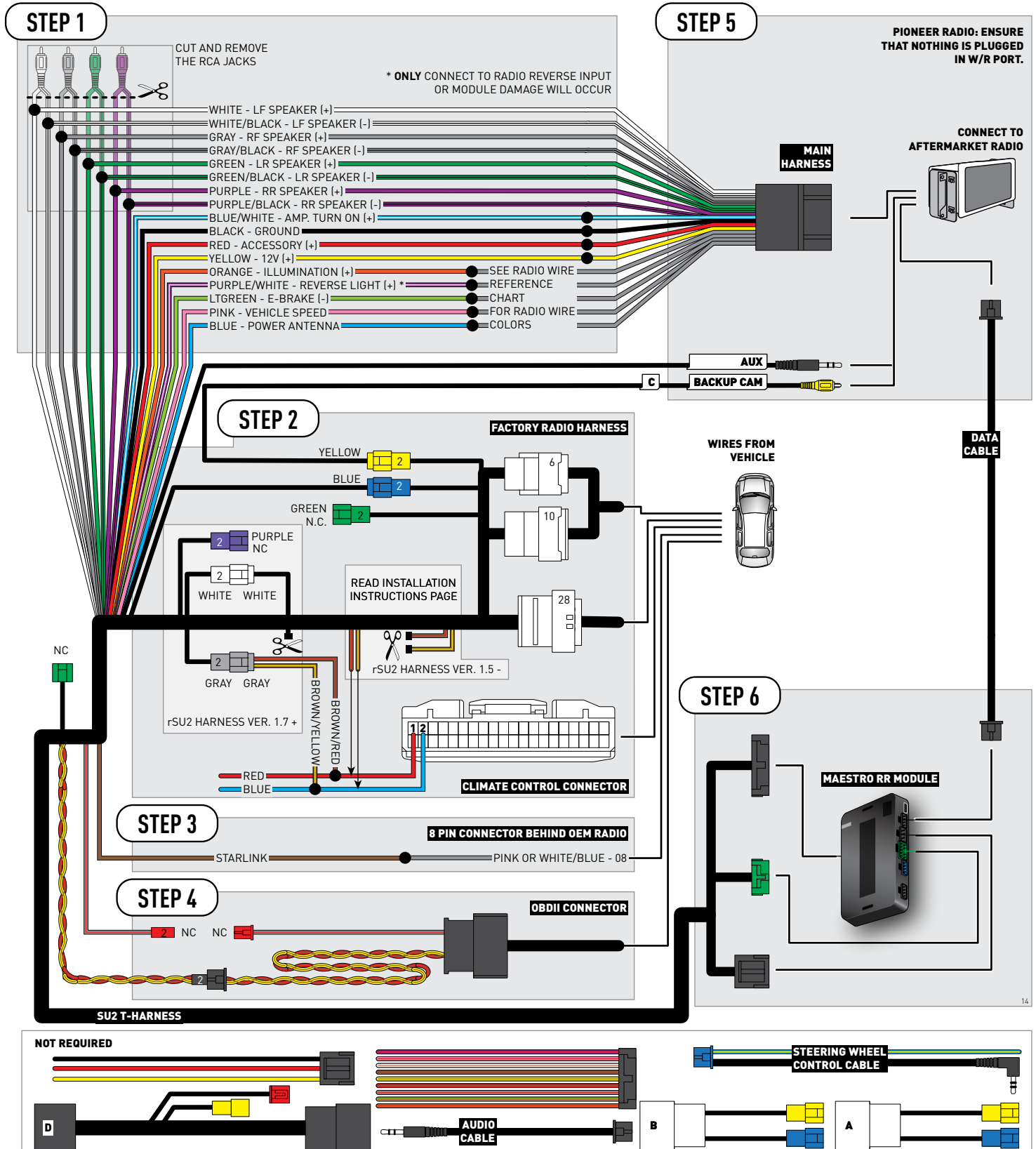
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

Web: maestro.idatalink.com/support add www.12voldata.com/forum/

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



2018

SUBARU WRX STI
WITH 6.5 INCH SCREEN AND HARMAN KARDON

RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-uSU2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.



WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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Installation Instructions	3
Wiring Diagram	4
Radio Wire Reference Chart	5
Module Diagnostics	6
Troubleshooting Table	7

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

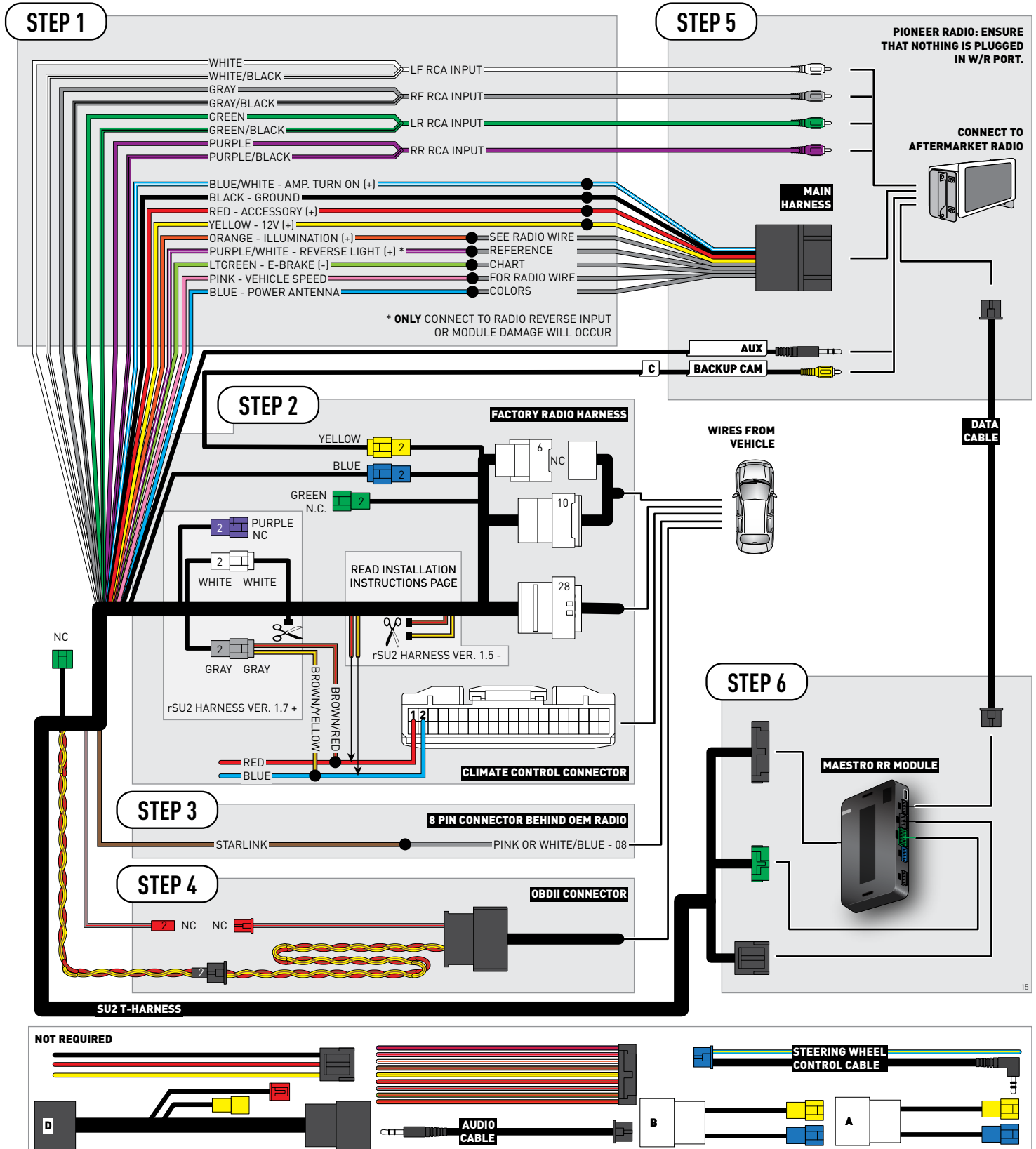
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



2019-2021

SUBARU WRX STI

WITH 6.5 INCH SCREEN WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, AND MORE!



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iDatalink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

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OPTIONAL ACCESSORIES



ACC-uSU2

Click here for:
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WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

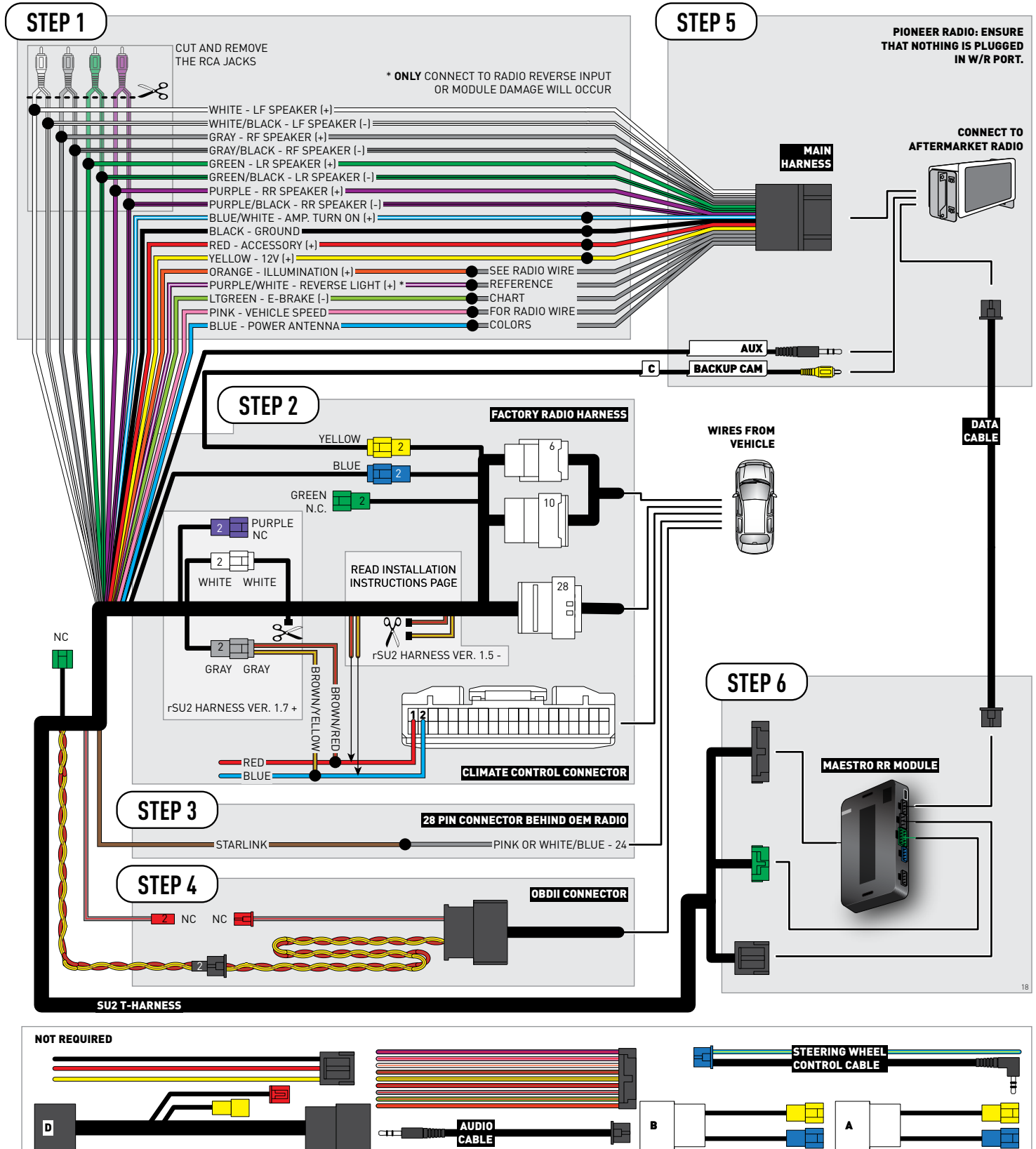
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
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- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

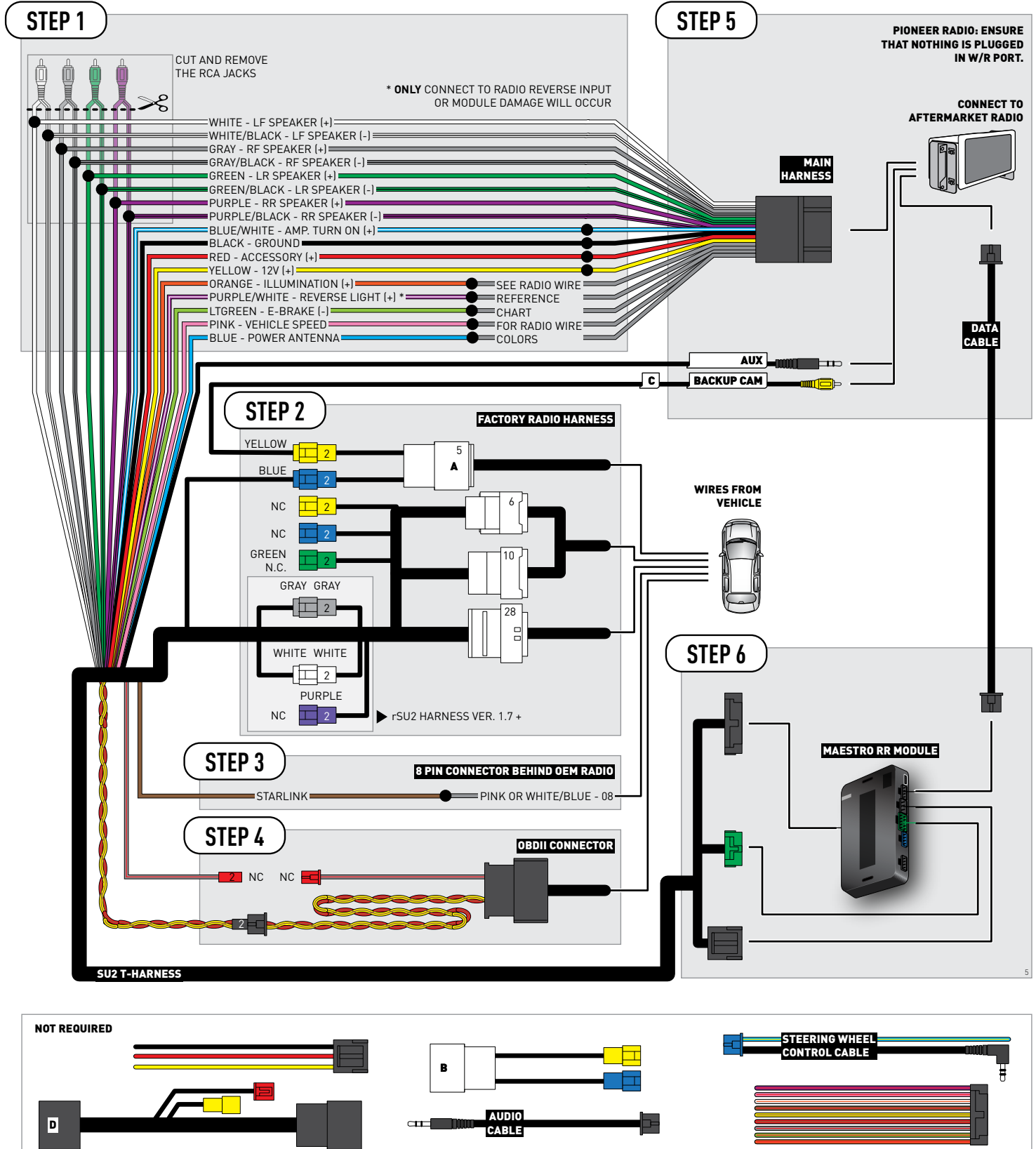
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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RETAINS STEERING WHEEL CONTROLS, AND MORE!



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PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

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ACC-uSU2

Click here for:
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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

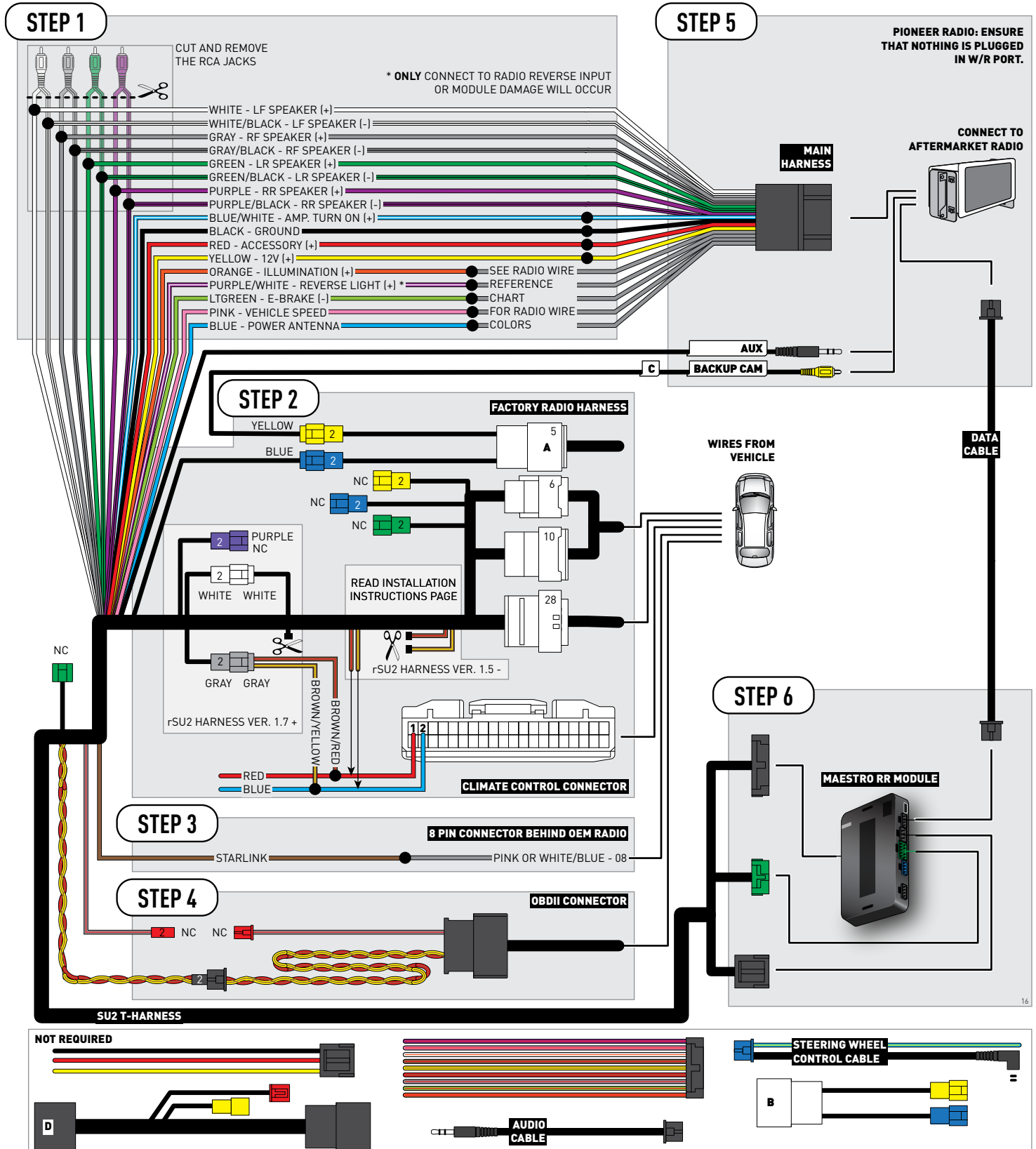
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
 or 		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
		2 RED flashes	Problem detected. Consult troubleshooting table.
		1 GREEN flash	After radio boots up : Normal operation.
		3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
		OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

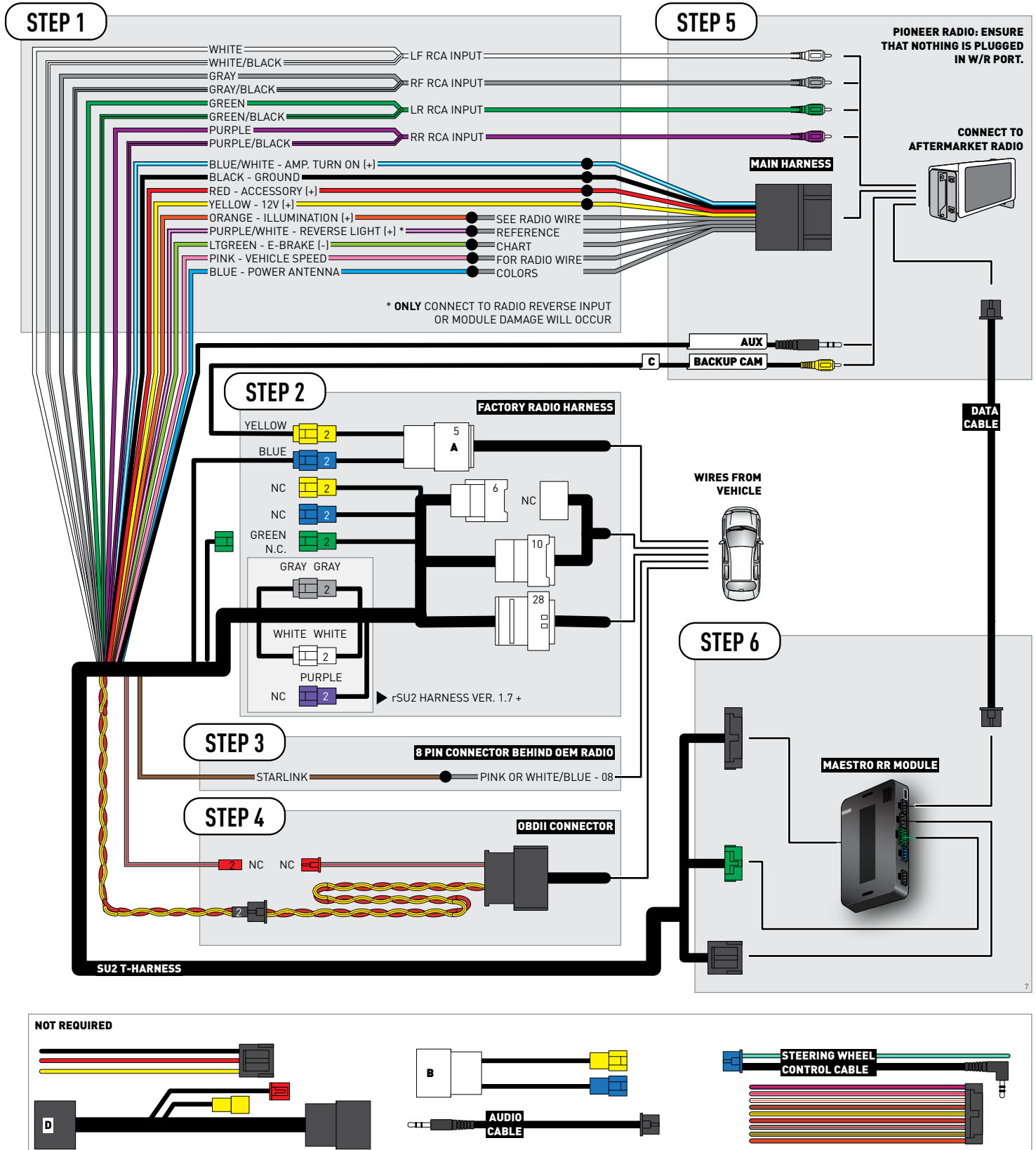
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- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
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TROUBLESHOOTING TABLE

P1 /2

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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
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TROUBLESHOOTING TABLE P2 /2

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2018

SUBARU WRX STI
WITH 7 INCH SCREEN AND HARMAN KARDON

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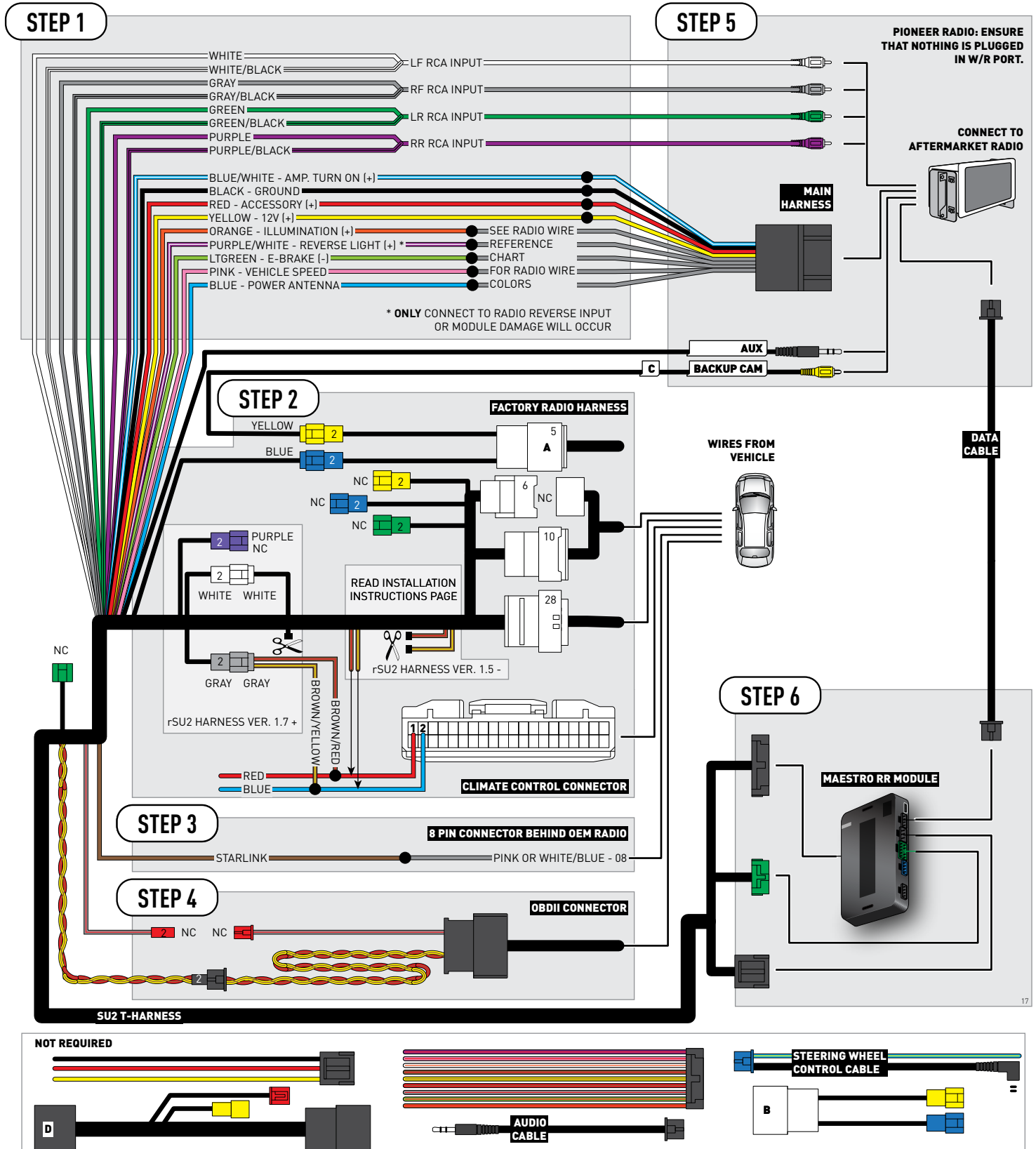
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Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: maestro.support@idatalink.com

Web: maestro.idatalink.com/support add www.12voldata.com/forum/

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



2019-2021

SUBARU WRX STI

WITH 7 INCH SCREEN WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-uSU2

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WELCOME

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Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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Radio Wire Reference Chart	5
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Troubleshooting Table	7

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

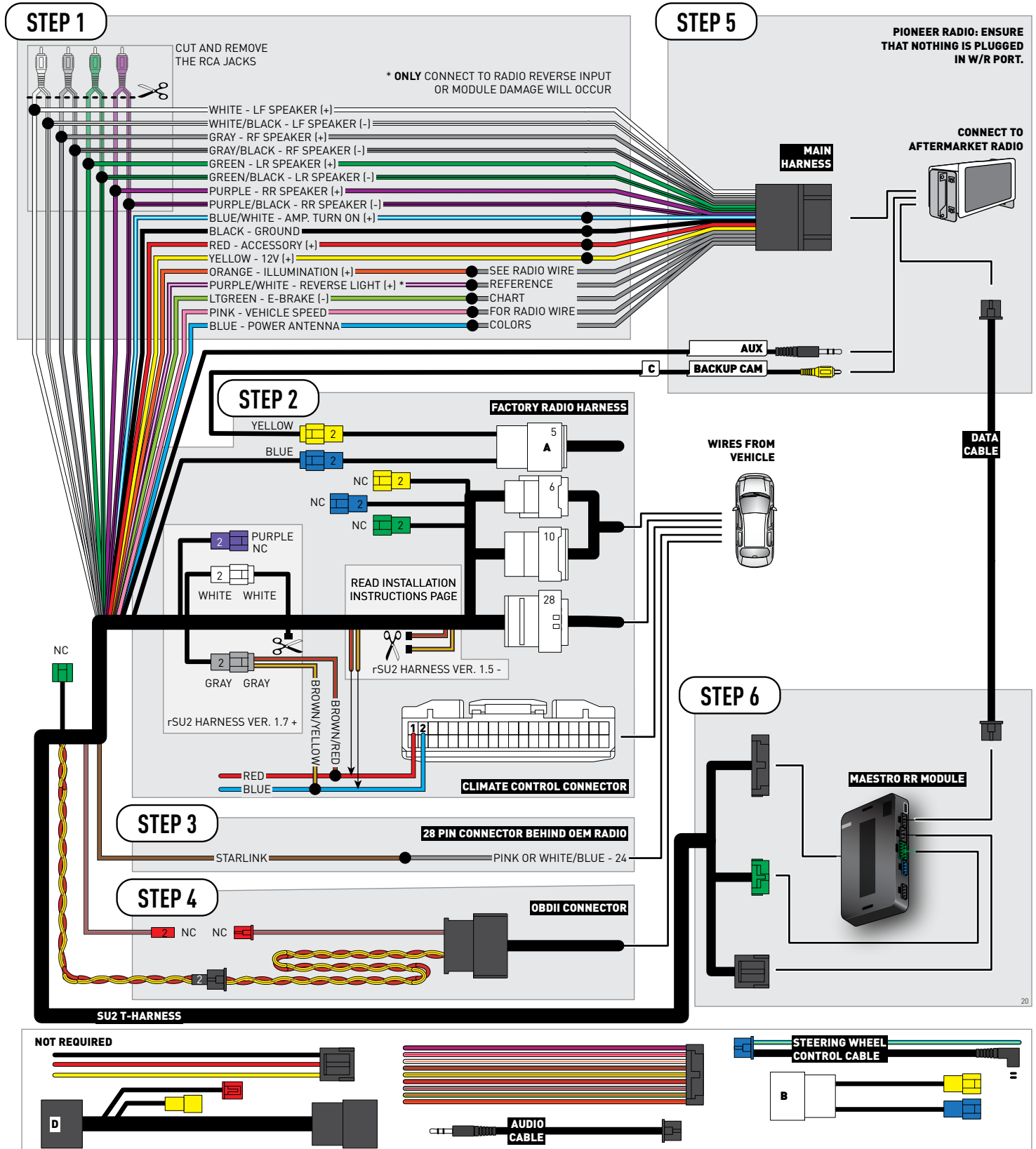
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
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TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
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Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

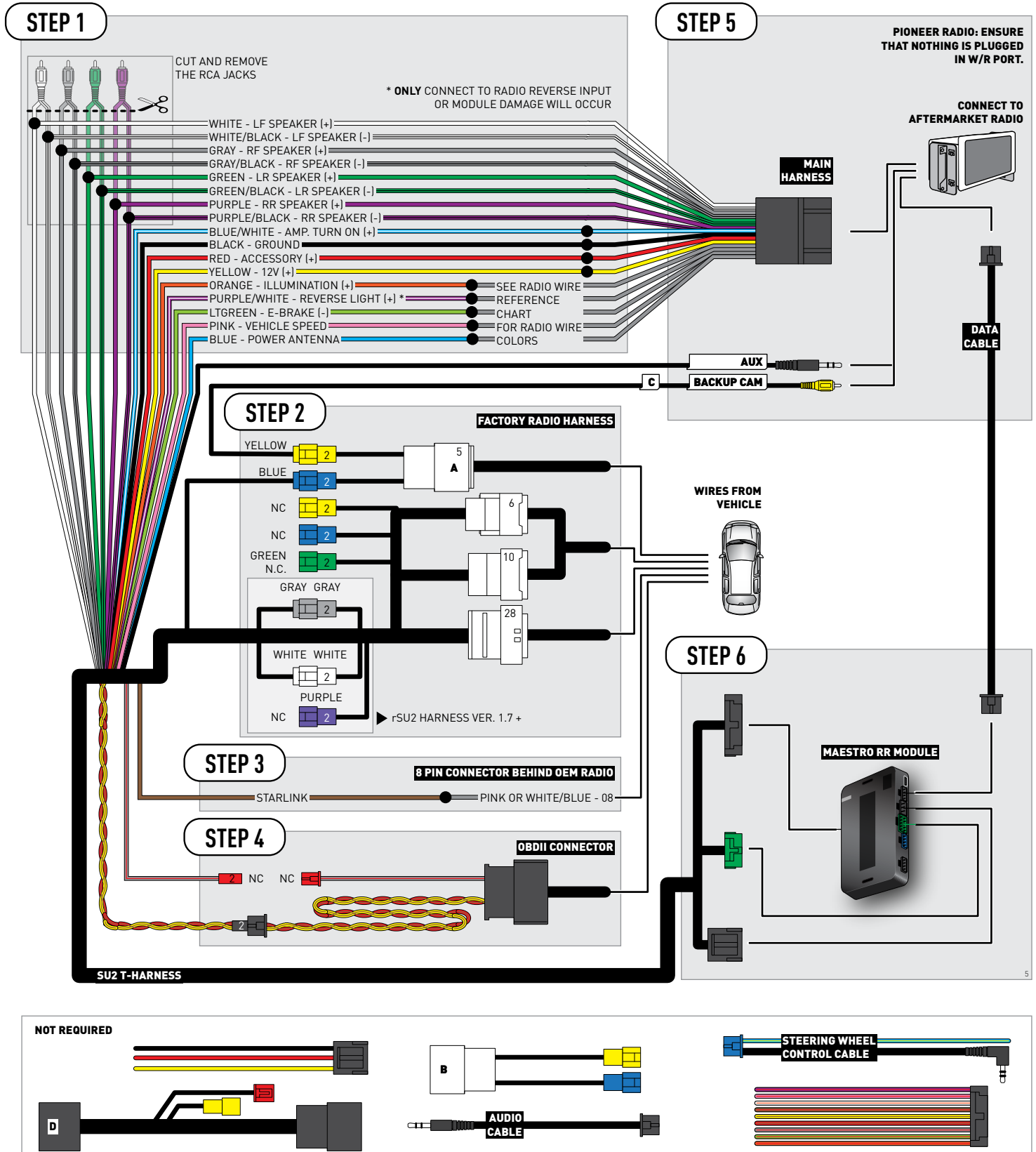
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
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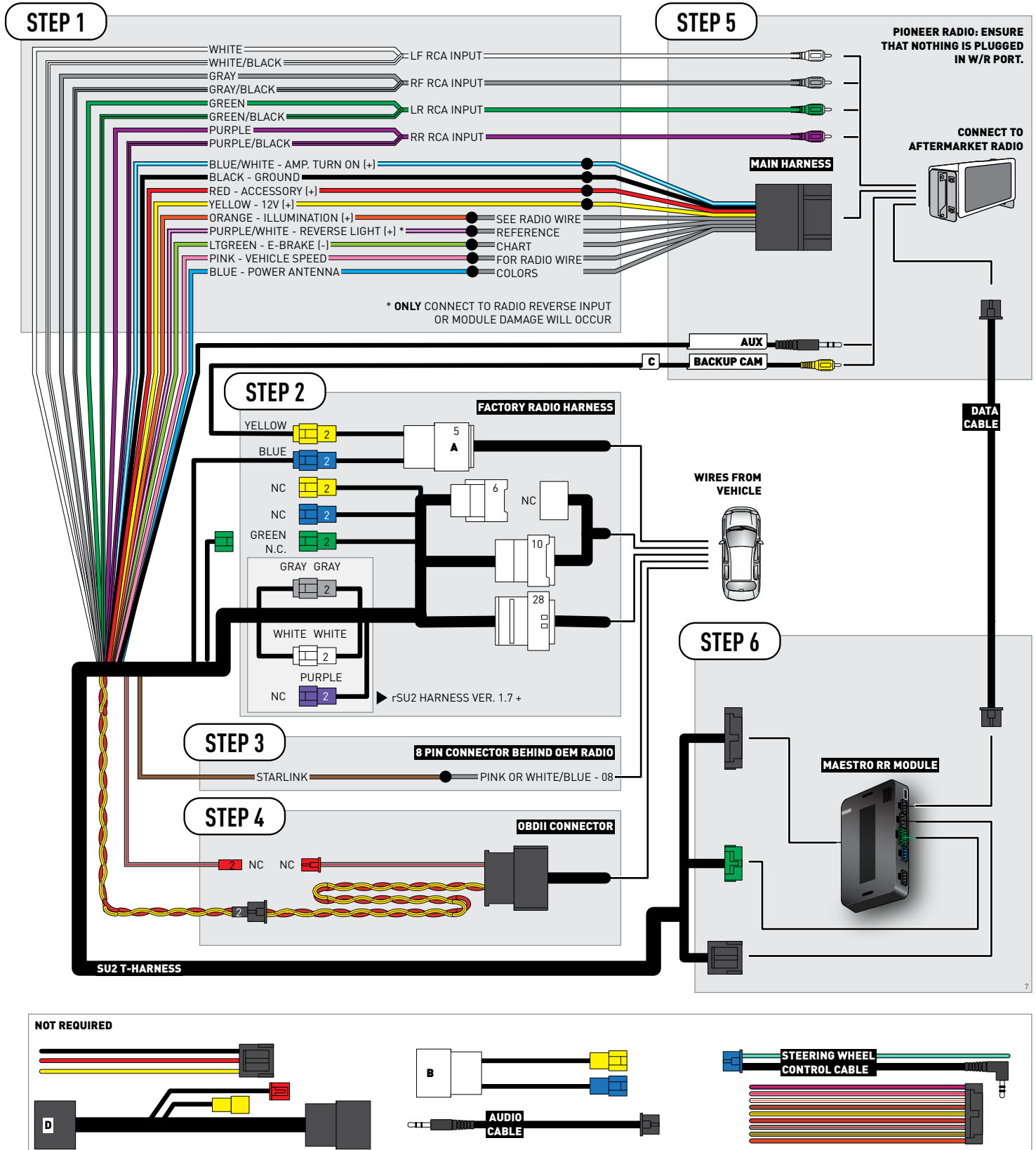
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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TROUBLESHOOTING TABLE

P1 /2

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Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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- Remove the factory radio.

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STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

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- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
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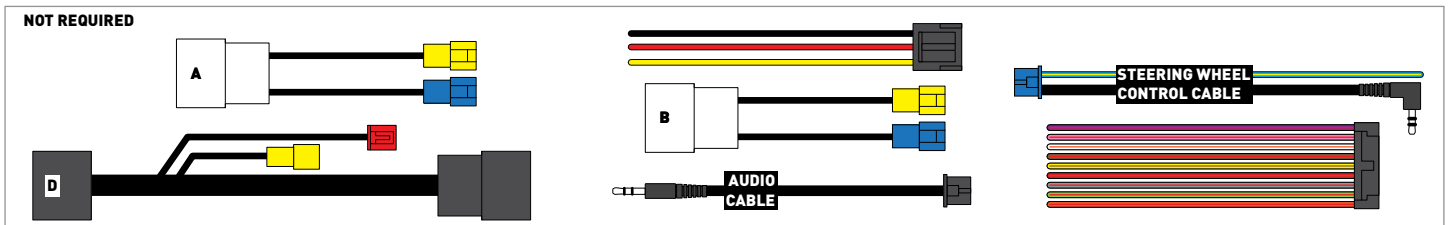
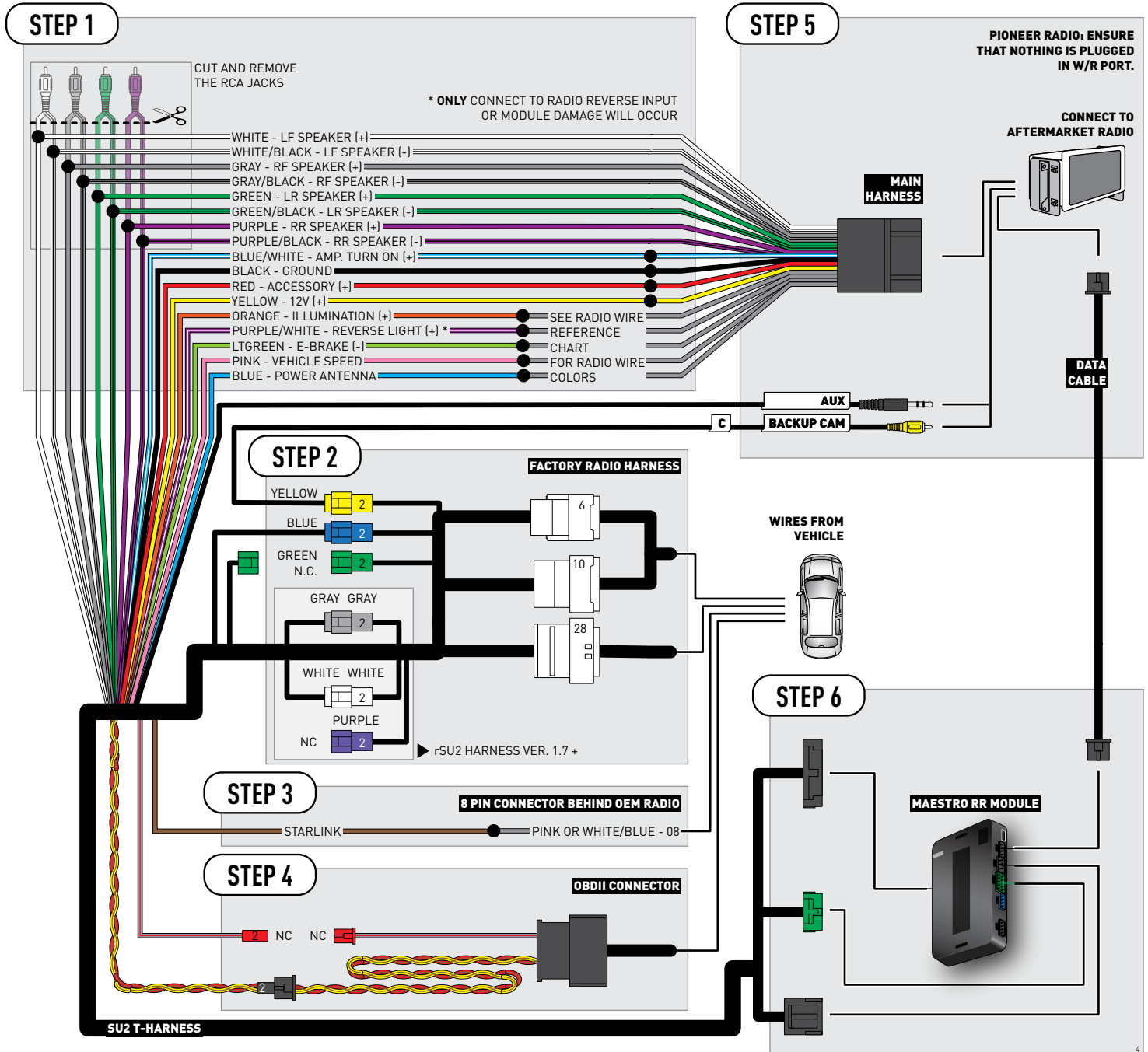
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



2016-2017

SUBARU WRX

WITH 6.2 INCH SCREEN AND HARMAN KARDON

RETAINS STEERING WHEEL CONTROLS, AND MORE!



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OPTIONAL ACCESSORIES



ACC-uSU2

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

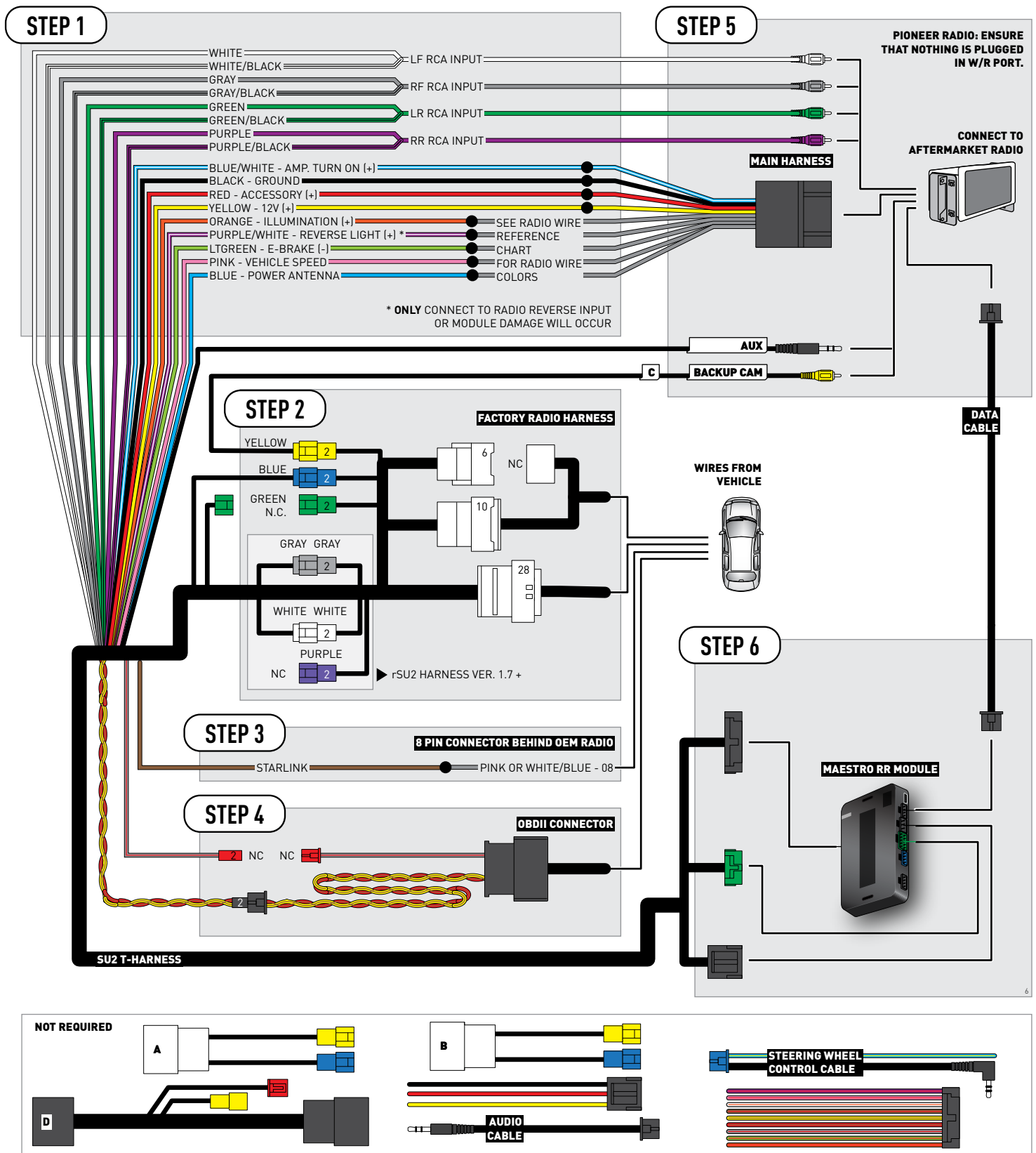
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

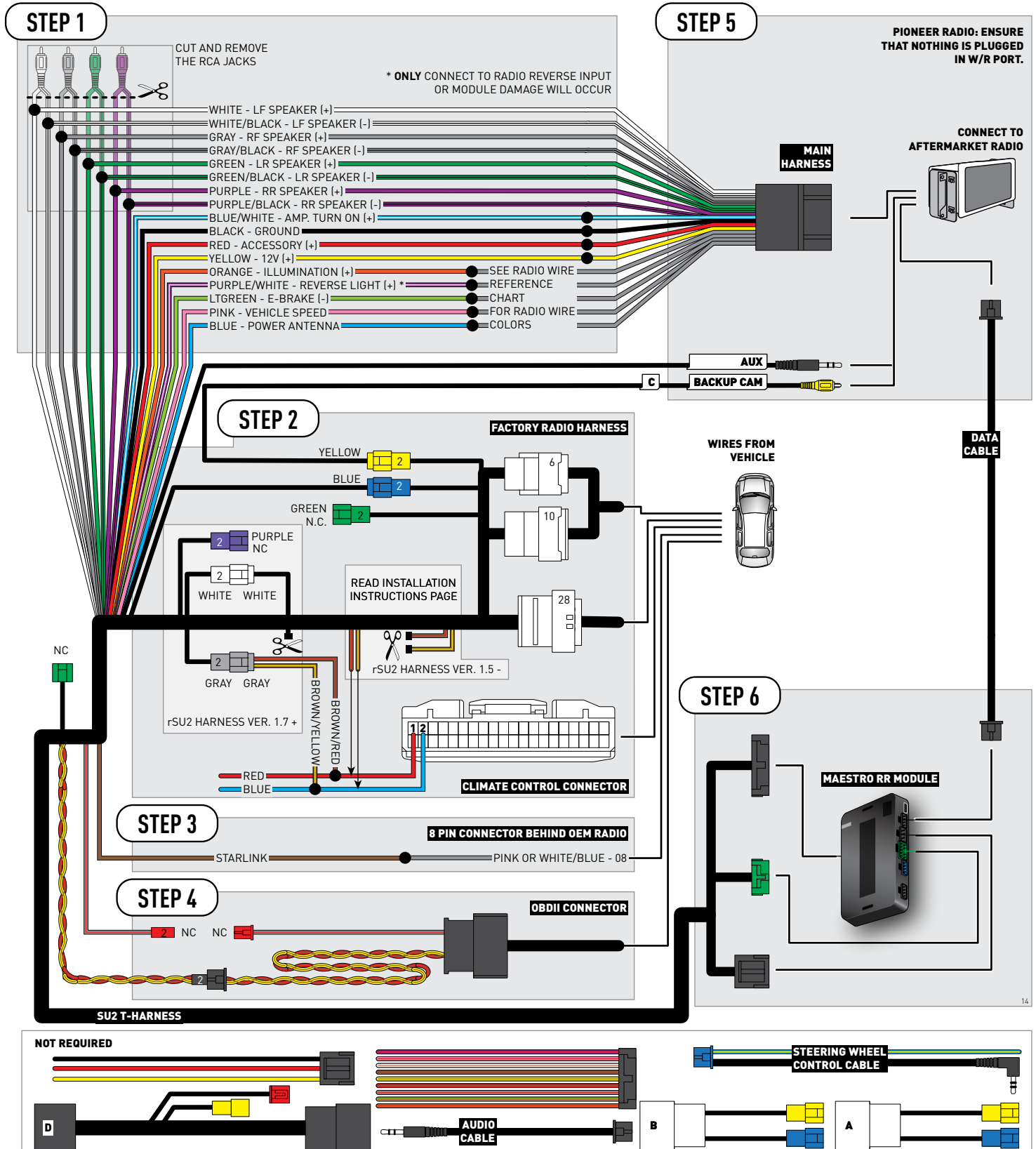
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
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- Plug the Data cable to the data port of the aftermarket radio.

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

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2018

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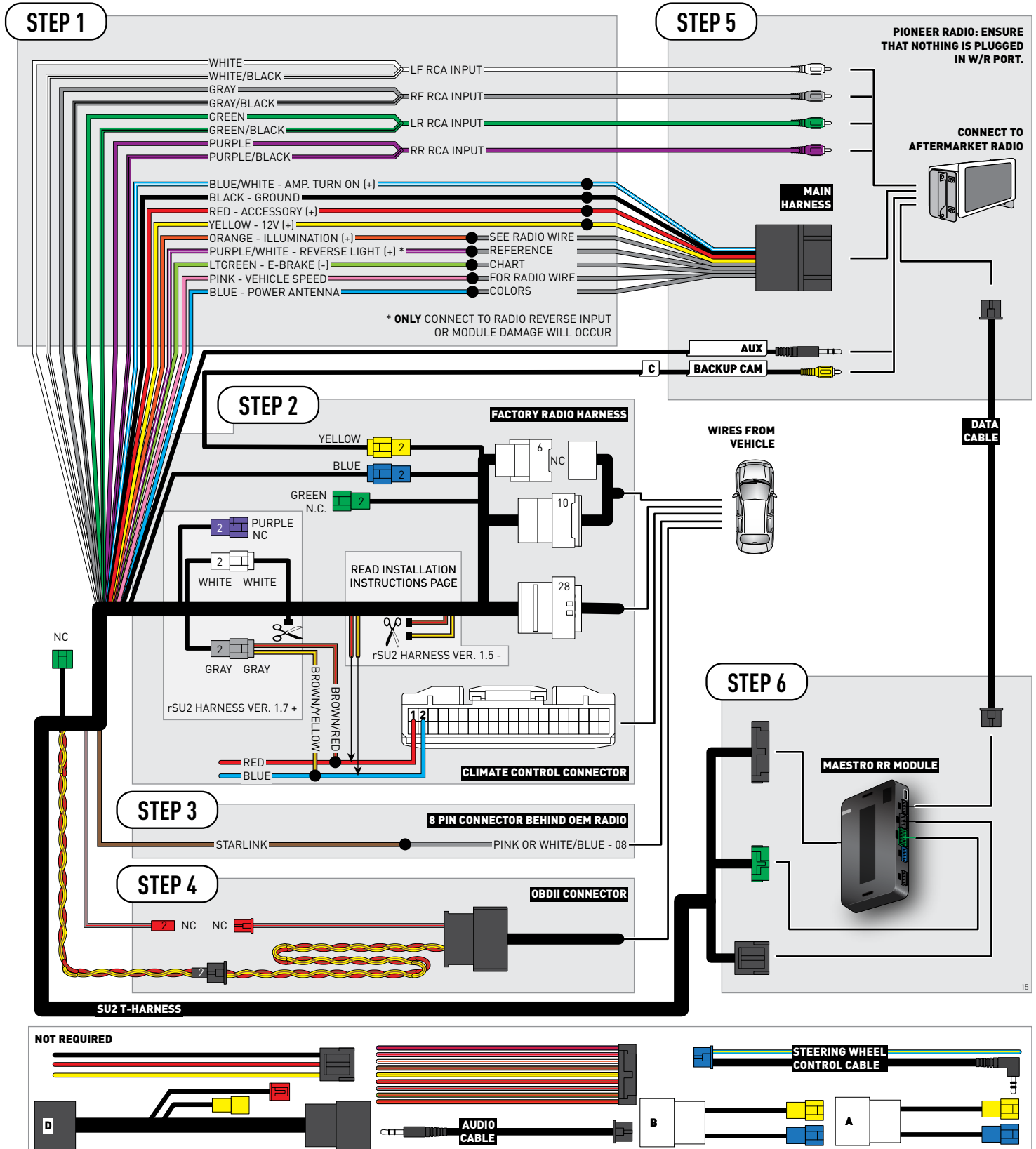
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P1 /2

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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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2019-2021

SUBARU WRX

WITH 6.5 INCH SCREEN WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

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iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
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ESCORT

Click here for:
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WELCOME

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

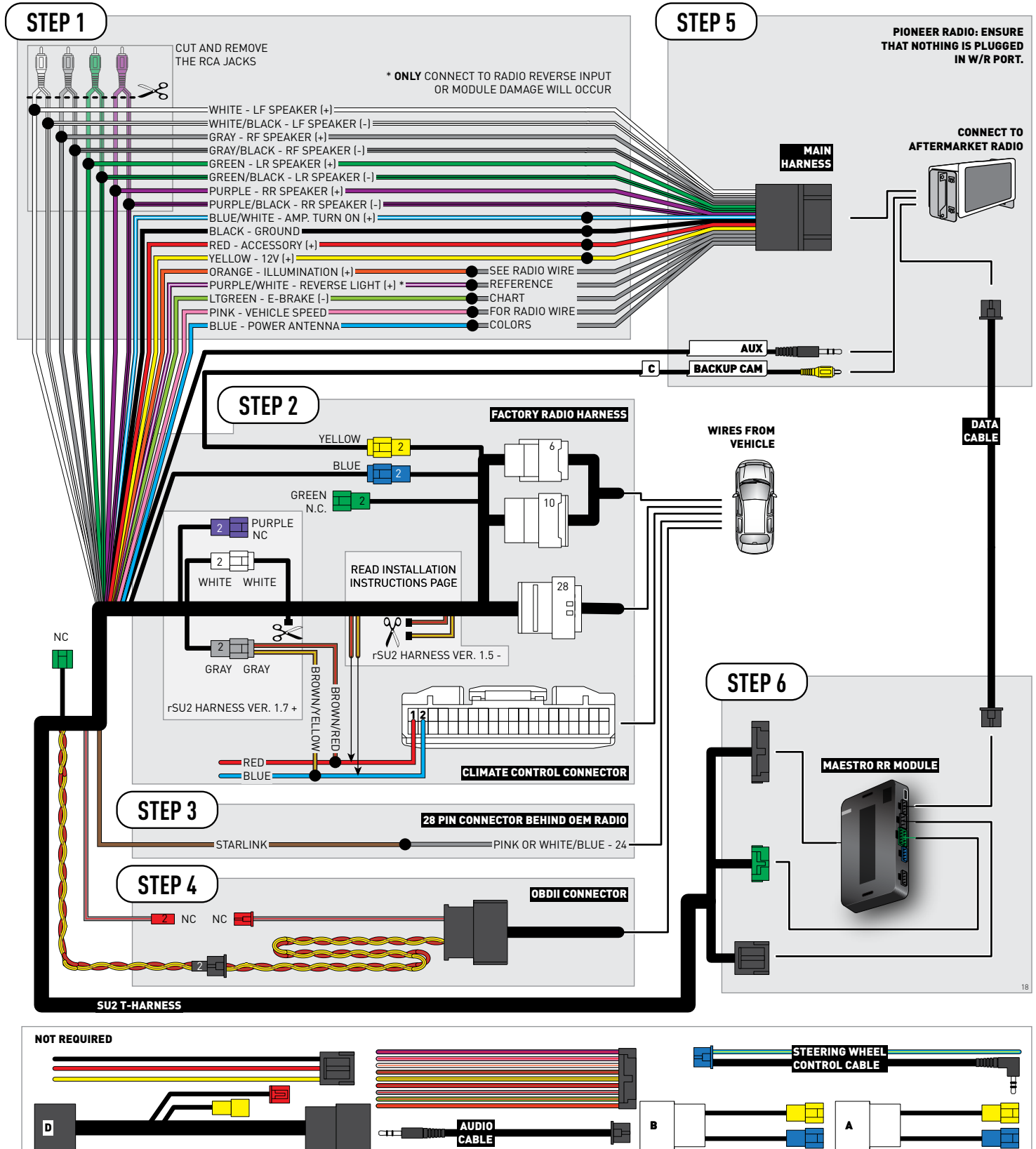
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

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Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

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- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

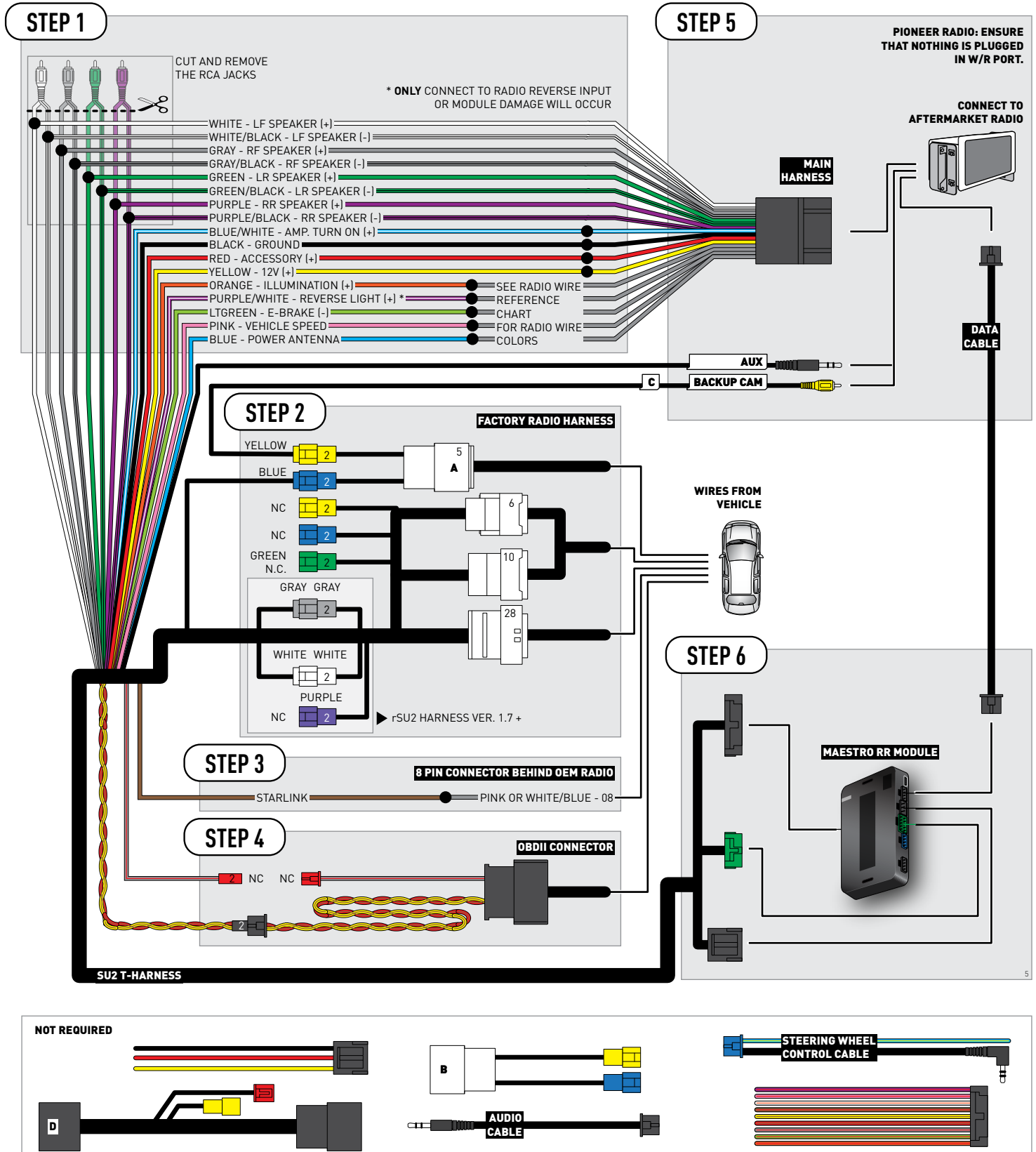
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
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Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
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TROUBLESHOOTING TABLE P2 /2

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rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

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Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

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Note: do not cut vehicle wires.

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Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button.

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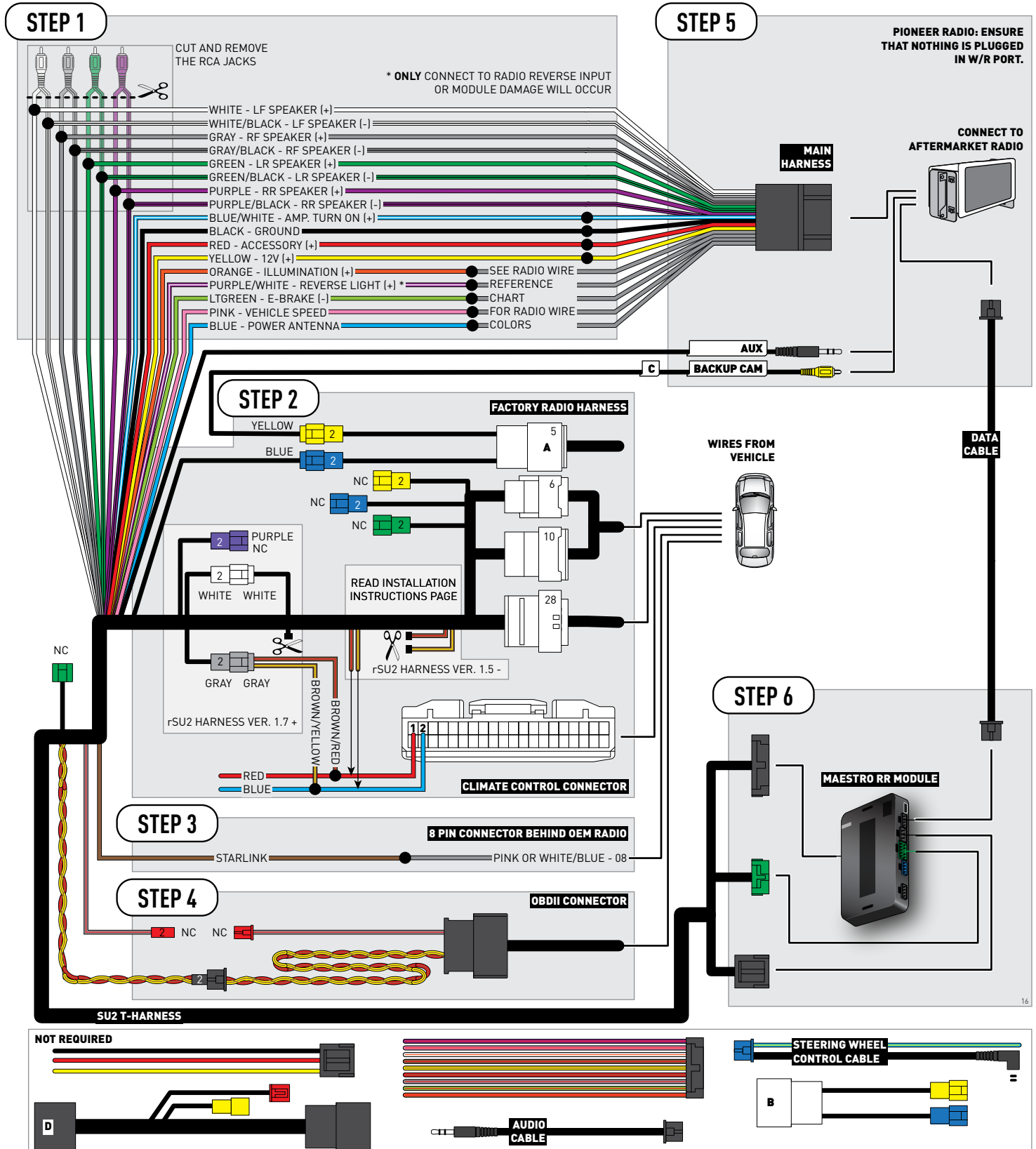
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P1 /2

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2016-2017

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NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.



WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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Radio Wire Reference Chart	5
Module Diagnostics	6
Troubleshooting Table	7

NEED HELP?

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 maestro.idatalink.com/support
www.12voltdata.com/forum



INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

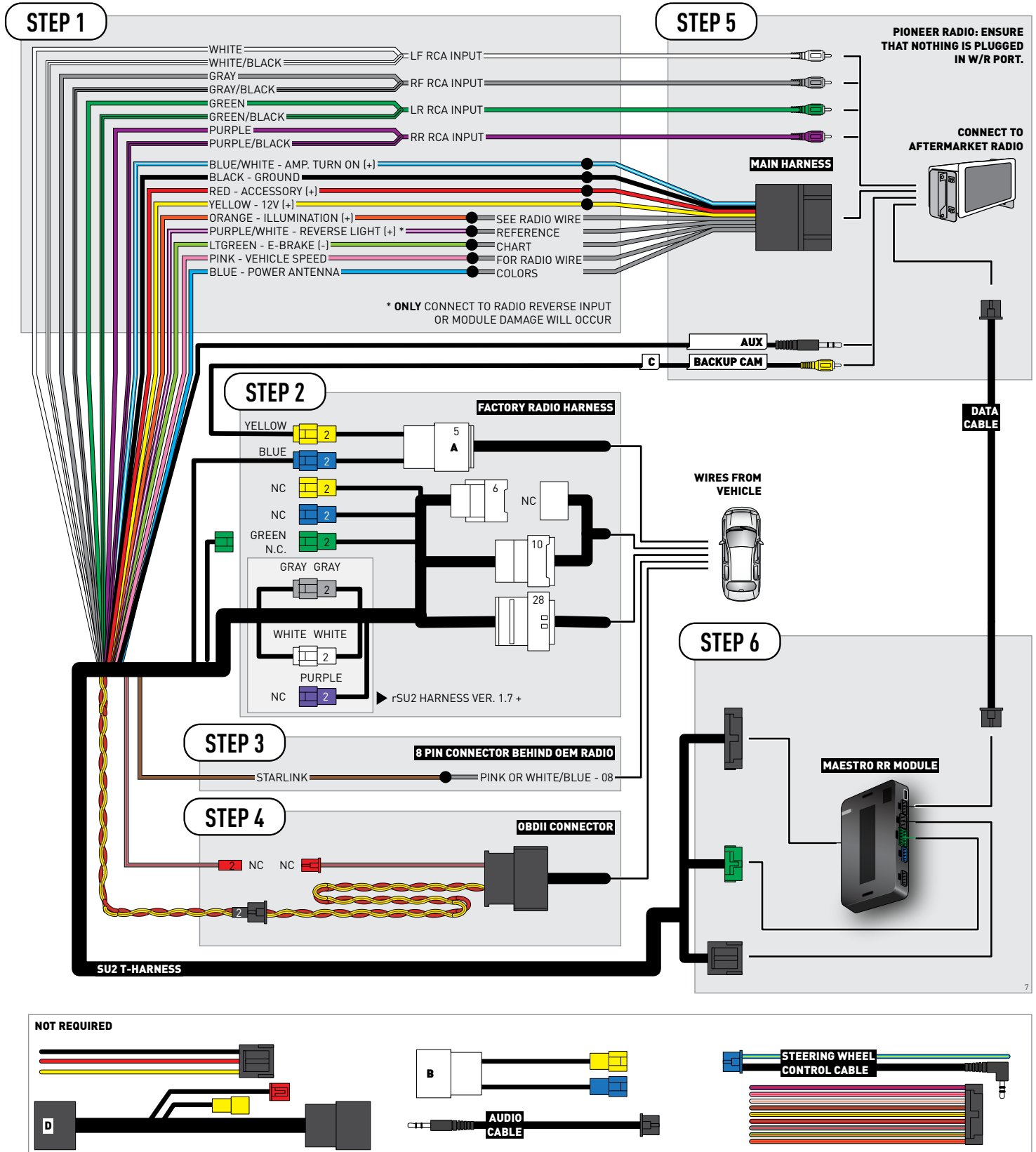
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
• or •		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
•		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
•		2 RED flashes	Problem detected. Consult troubleshooting table.
•		1 GREEN flash	After radio boots up : Normal operation.
	•	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
•	•	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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RETAINS STEERING WHEEL CONTROLS, AND MORE!



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iDatalink Maestro HRN-RR-SU2 Installation Harness

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STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side (Car side of cut) of these two wires.

Connect Brown/Red wire (Maestro side of cut) to the Red wire (pin1) of the 40 pin climate control connector.

Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

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- Plug the aftermarket radio harnesses into the aftermarket radio.
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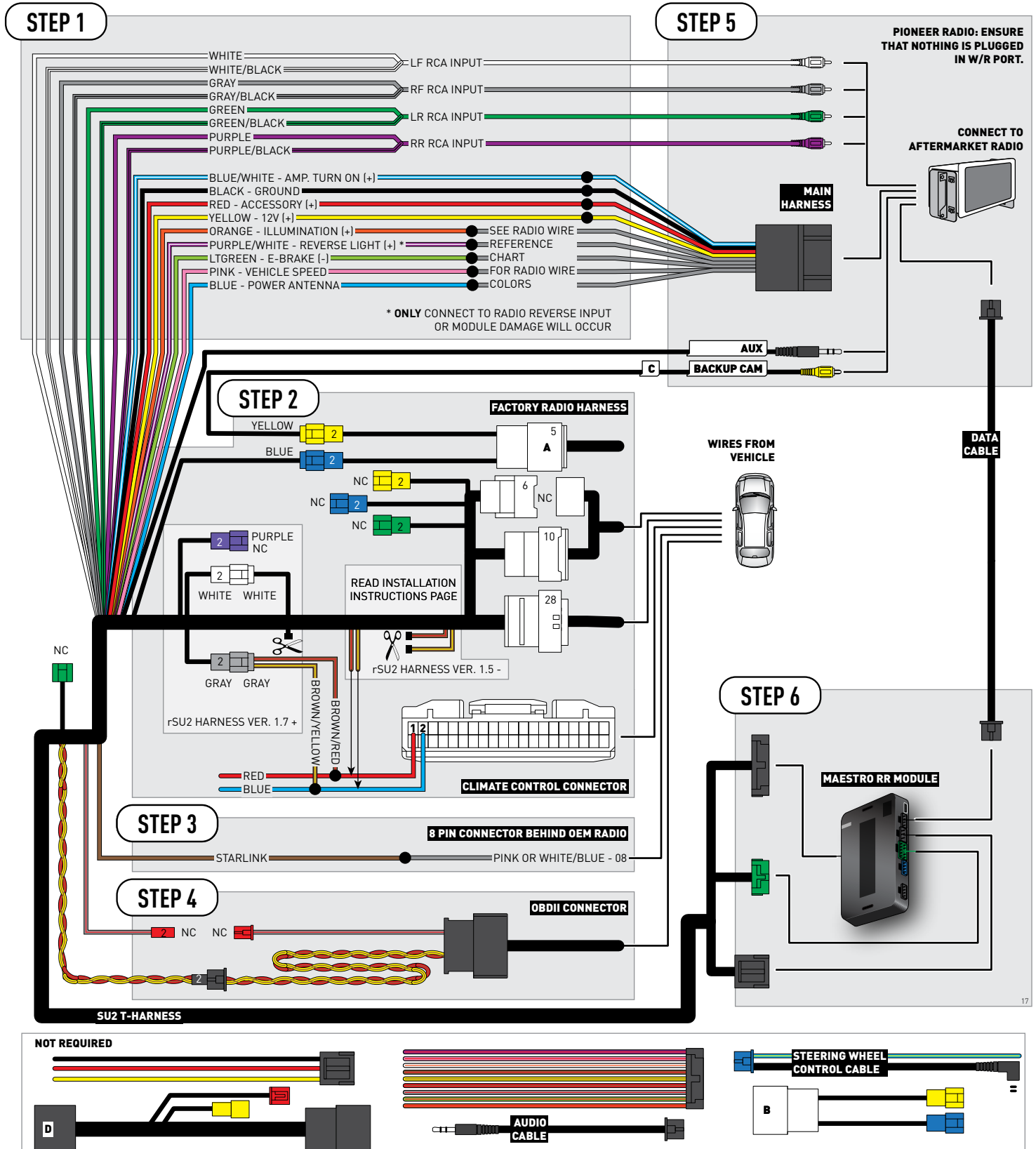
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

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



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Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

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P1 /2

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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

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2019-2021

SUBARU WRX

WITH 7 INCH SCREEN WITHOUT AMP

RETAINS STEERING WHEEL CONTROLS, AND MORE!



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STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
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- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

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- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Cut the Brown/Yellow wire (pin 10). Tape/insulate the 28 pin connector side of these two wires.

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Connect Brown/Yellow wire (Maestro side of cut) 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
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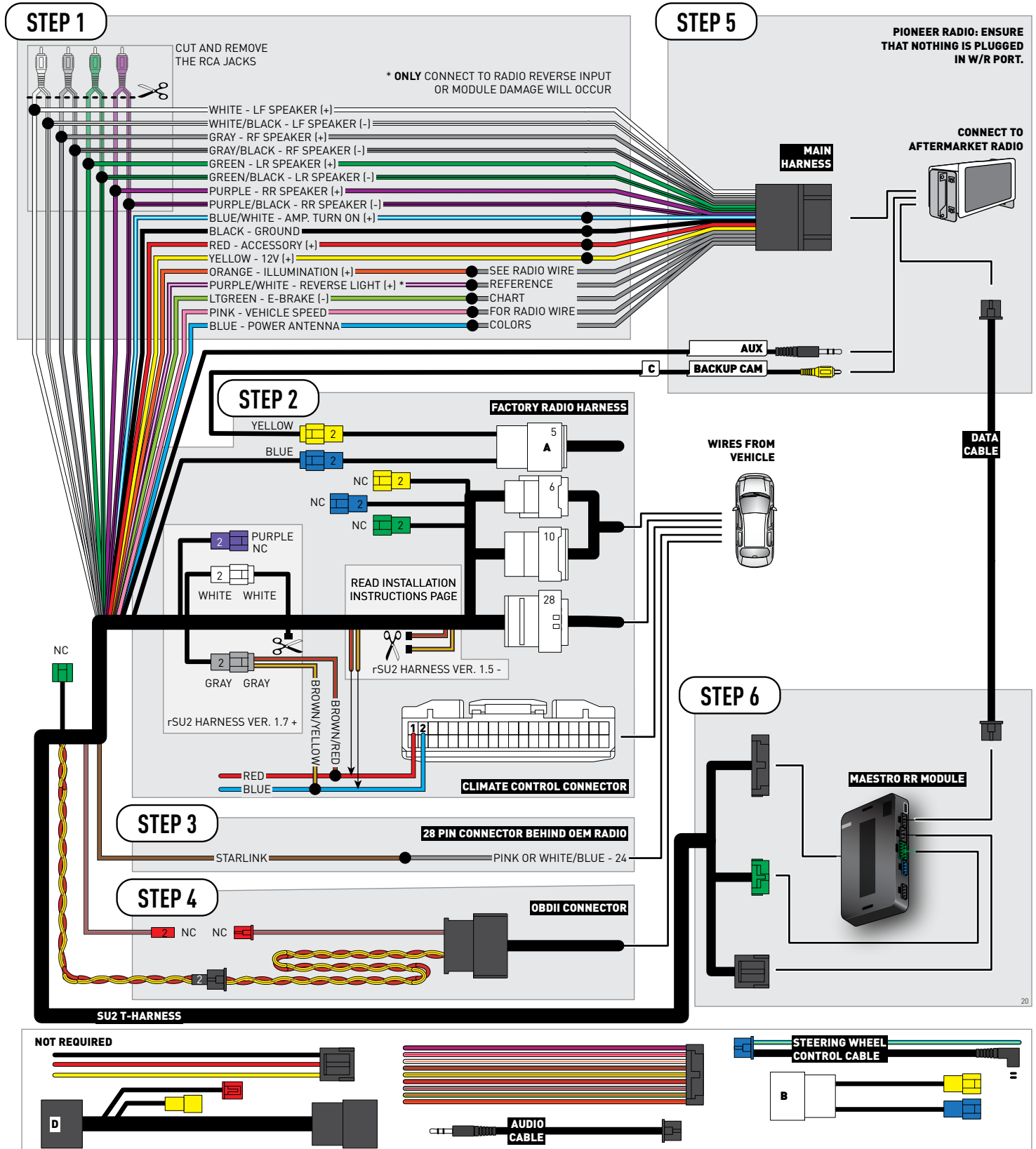
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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P1 /2

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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
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- Plug the RCA cable to the aftermarket radio.
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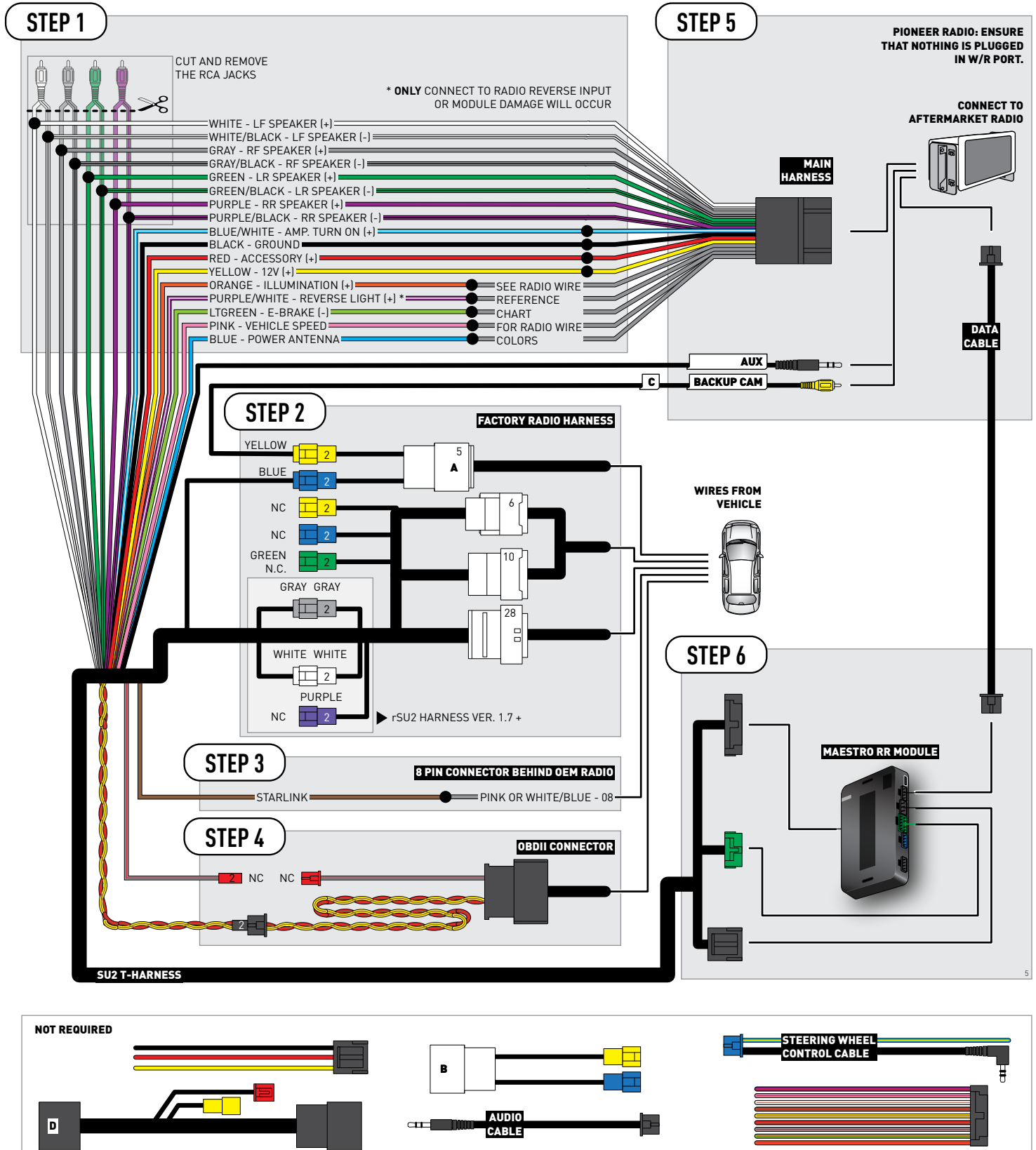
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MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



RETAINS STEERING WHEEL CONTROLS, AND MORE!



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K40
ELECTRONICS
ESCORT

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ACC-uSU2

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

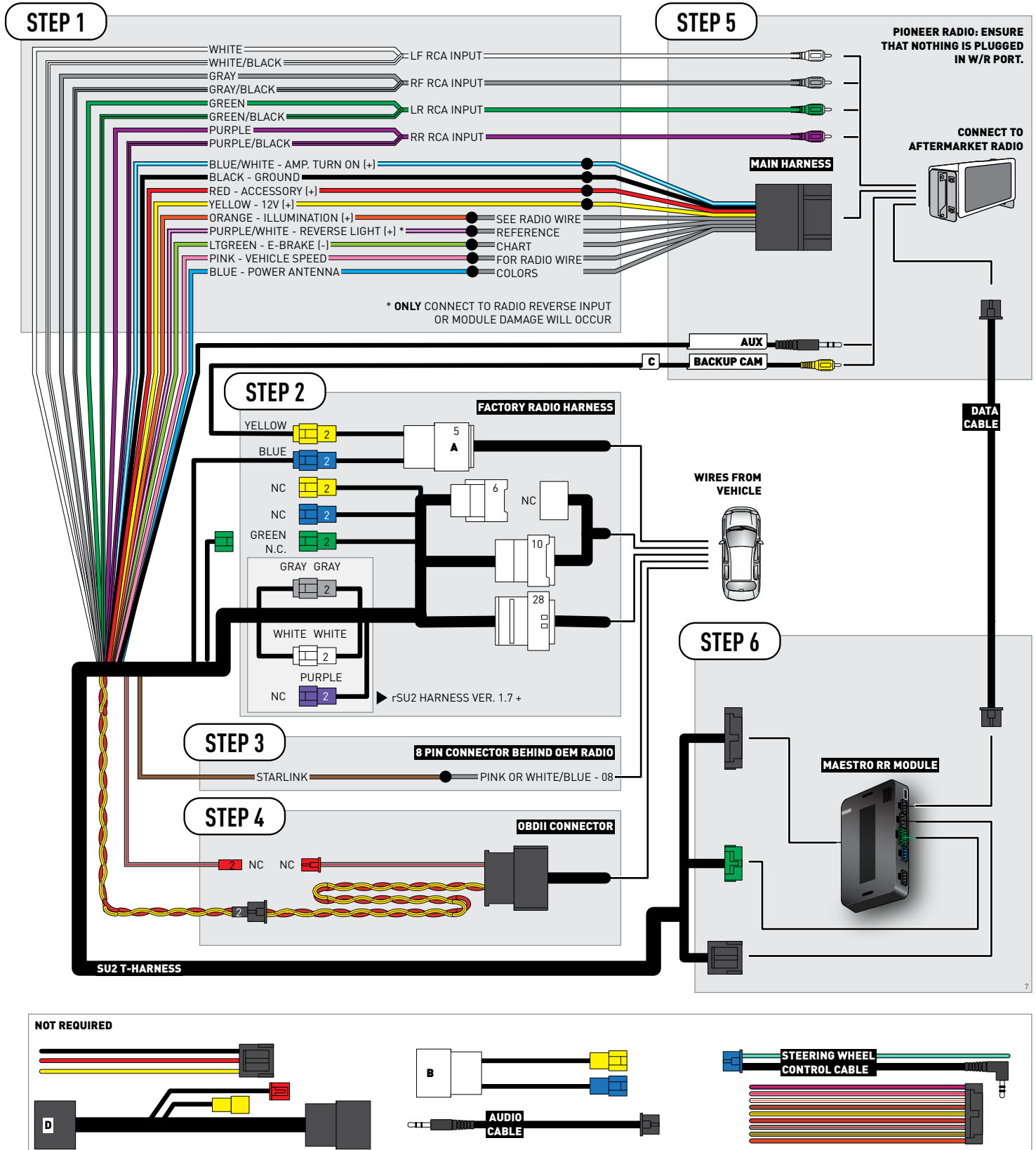
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
• or •		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

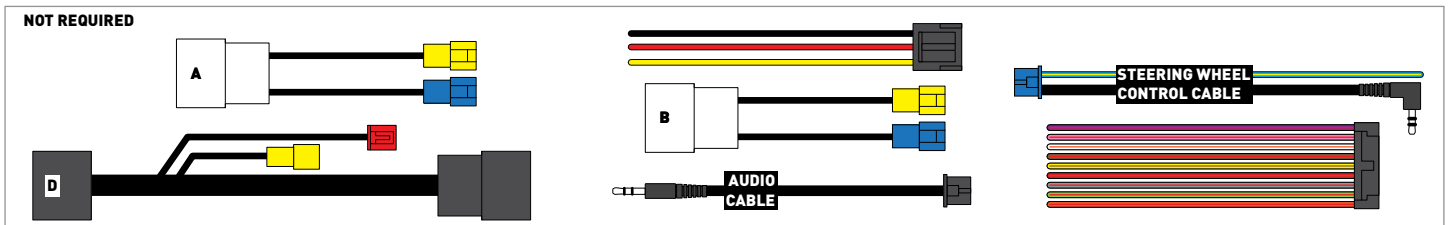
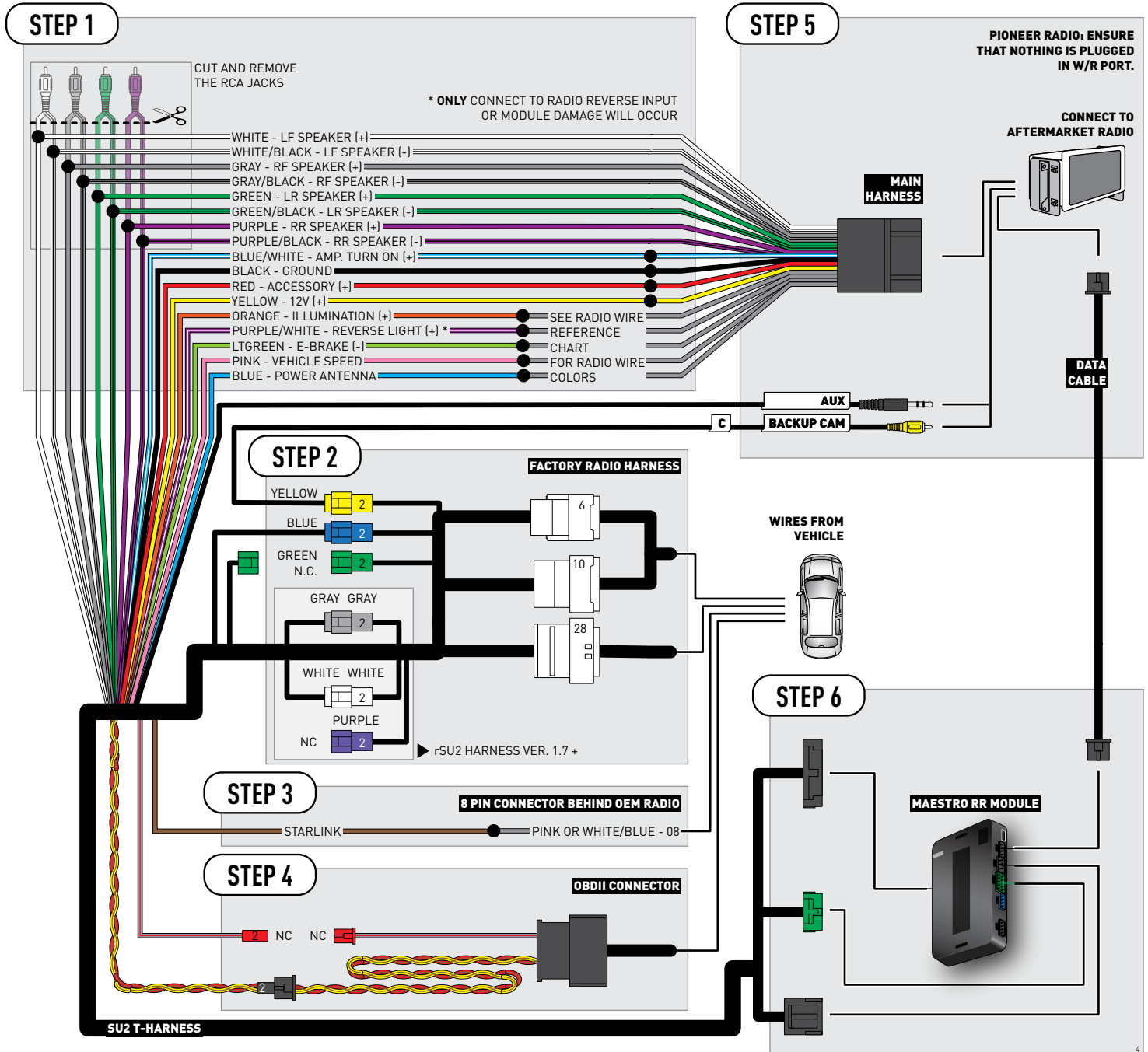
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

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2015-2017

SUBARU XV CROSSTREK

WITH 6.2 INCH SCREEN AND HARMAN KARDON

RETAINS STEERING WHEEL CONTROLS, AND MORE!



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Note: only connect purple/white wire to radio reverse input or module damage will occur.

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STEP 4

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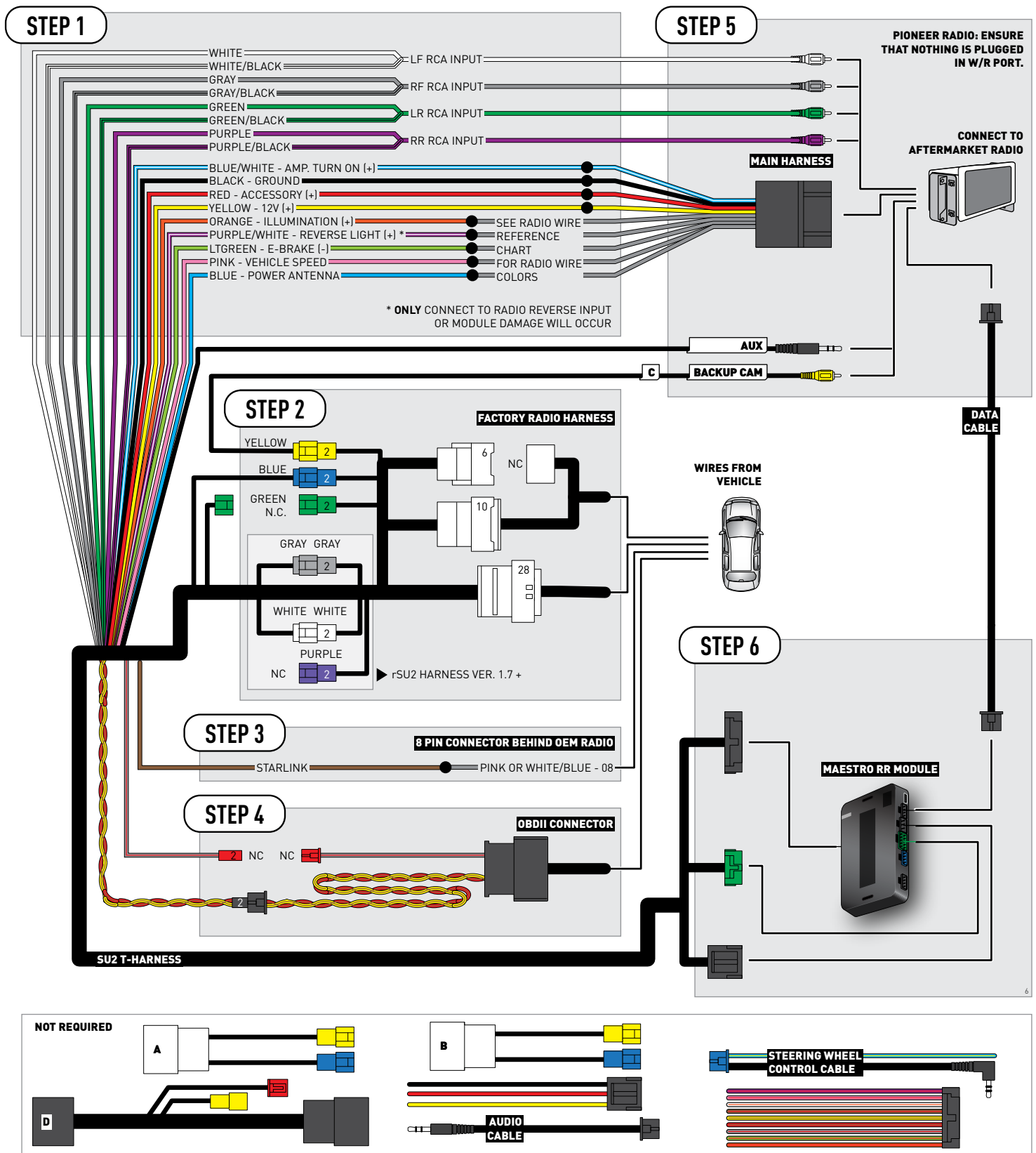
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TROUBLESHOOTING TABLE

P1 /2

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iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

ACC-uSU2

Click here for:
[Radar Installation Guides](#)

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.



WELCOME

Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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Radio Wire Reference Chart	5
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Troubleshooting Table	7

NEED HELP?

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 maestro.idatalink.com/support
www.12voltdata.com/forum



INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

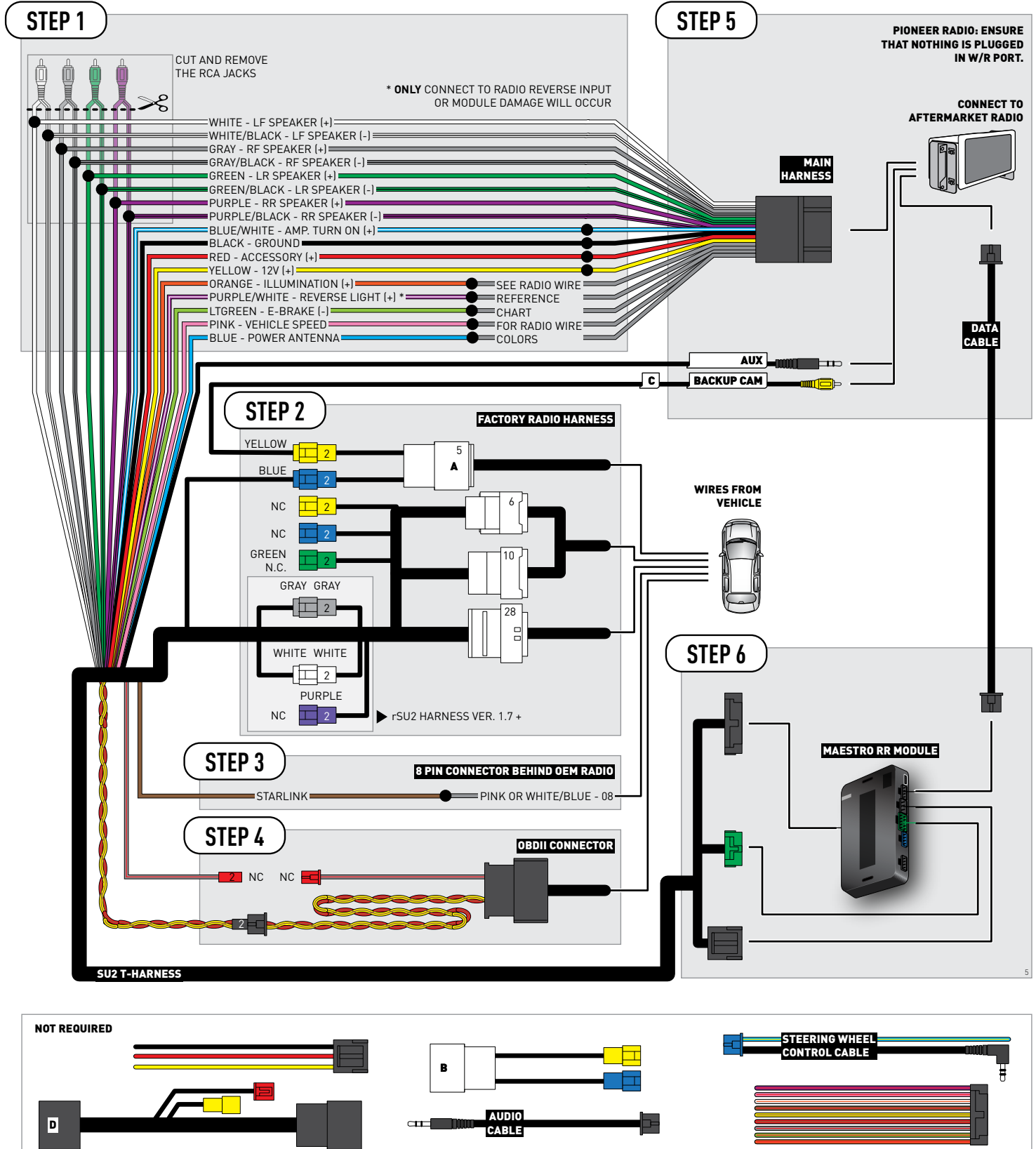
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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Web: maestro.idatalink.com/support add www.12voldata.com/forum/

IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



2015-2017

SUBARU XV CROSSTREK
WITH 7 INCH SCREEN AND HARMAN KARDON

RETAINS STEERING WHEEL CONTROLS, AND MORE!



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ACC-uSU2

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WELCOME

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

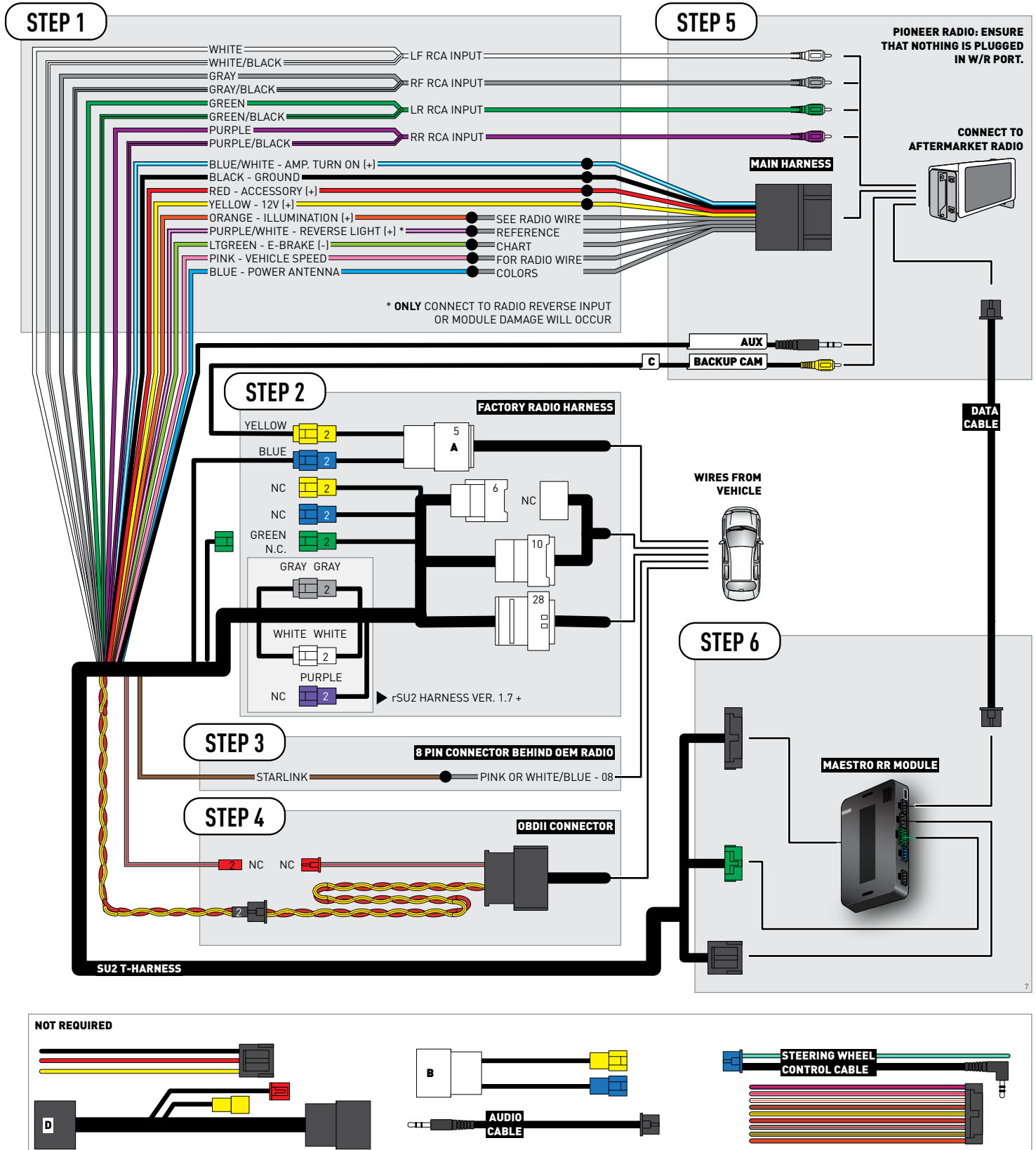
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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TROUBLESHOOTING TABLE

P1 /2

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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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2013-2014

SUBARU XV CROSSTREK

WITH HARMAN KARDON AND OEM CAMERA ON RADIO

RETAINS STEERING WHEEL CONTROLS, AND MORE!



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INSTALLATION INSTRUCTIONS P1 /1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

STEP 3

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

STEP 4

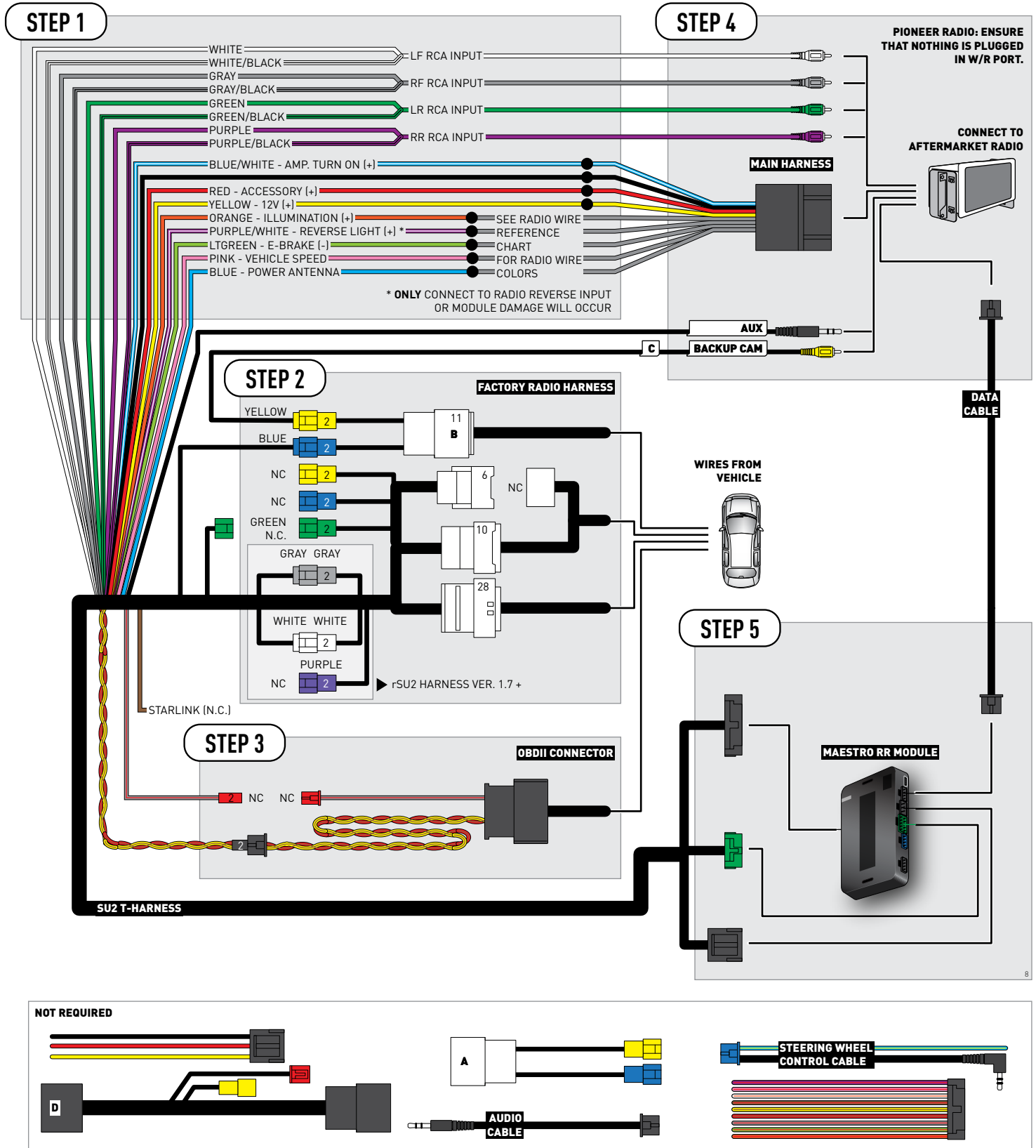
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
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- Plug the Data cable to the data port of the aftermarket radio.

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

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Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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- Assemble the SU2 T-harness and connect it to the factory radio harness.

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

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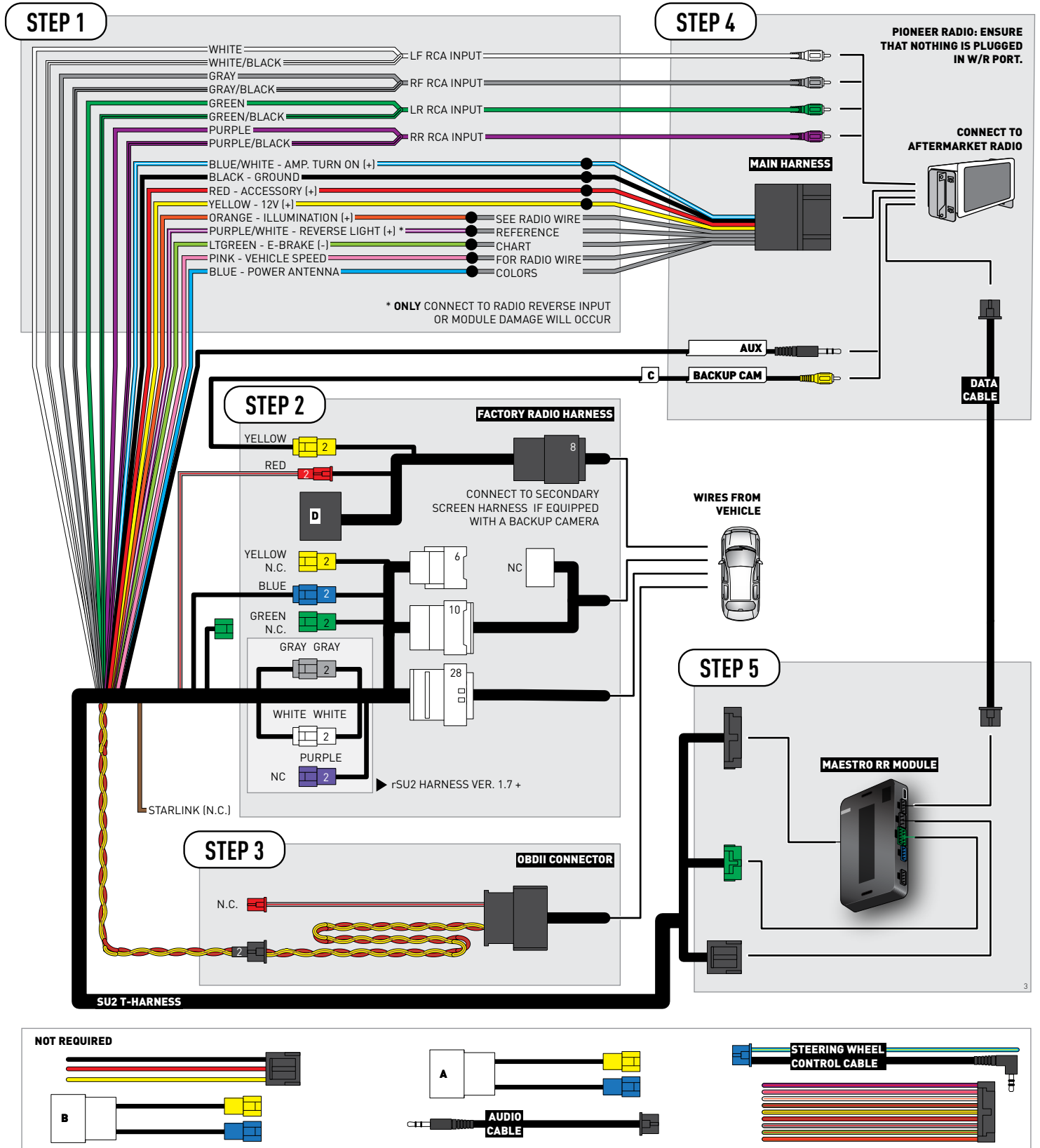
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Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

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

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

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LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
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TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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2013-2014

SUBARU XV CROSSTREK
WITH NAV AND OEM CAMERA ON SECONDARY DISPLAY

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iDatalink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
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ACC-uSU2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.



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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

STEP 3

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

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

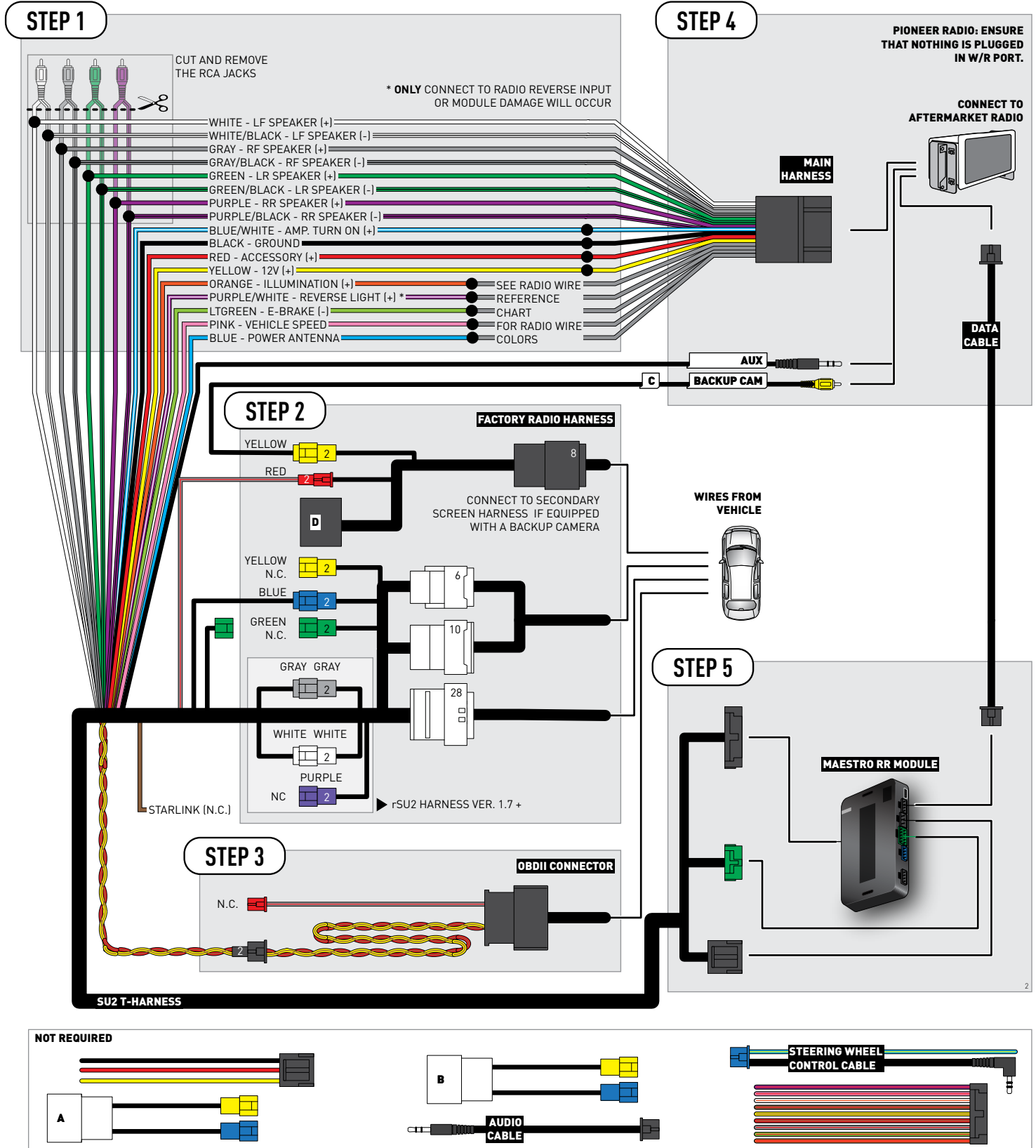
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

STEP 3

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

STEP 4

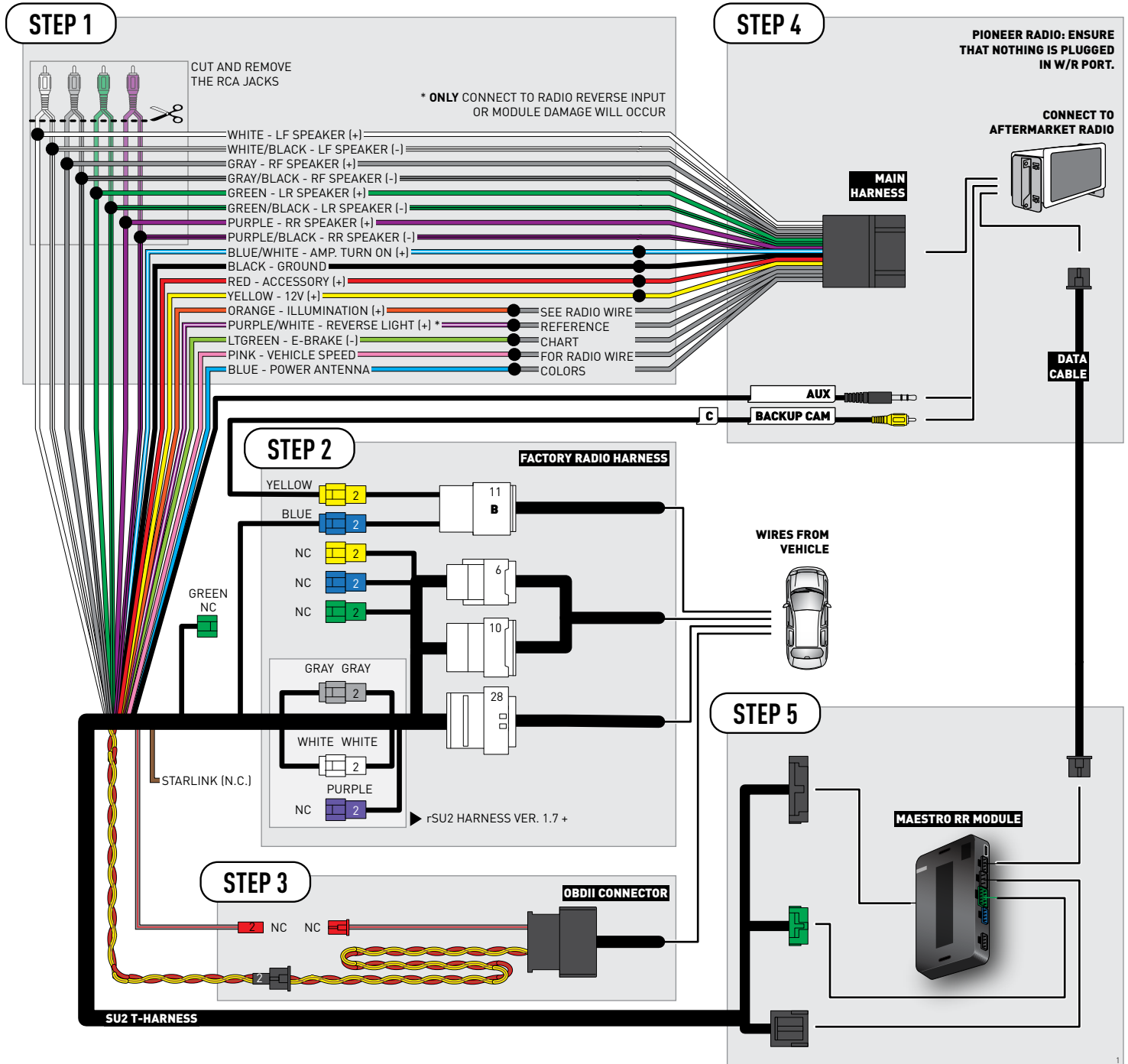
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

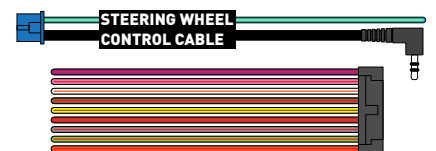
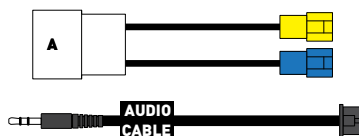
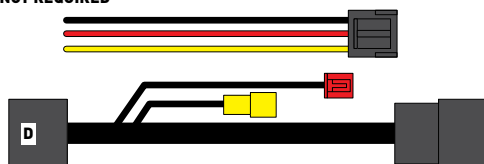
STEP 5

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

WIRING DIAGRAM



NOT REQUIRED



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

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Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

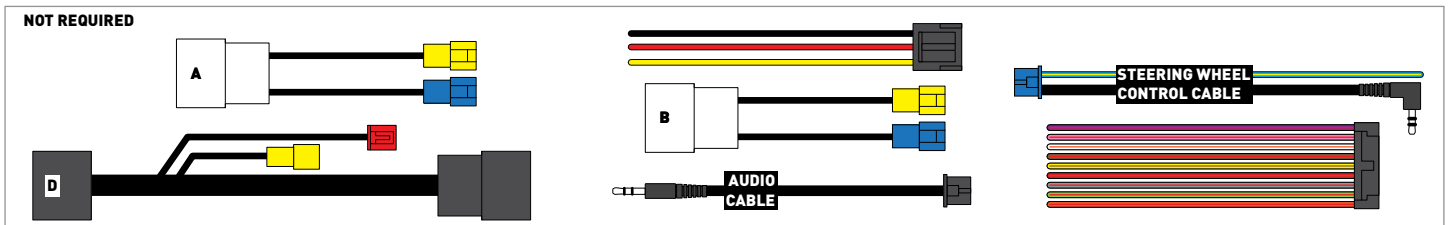
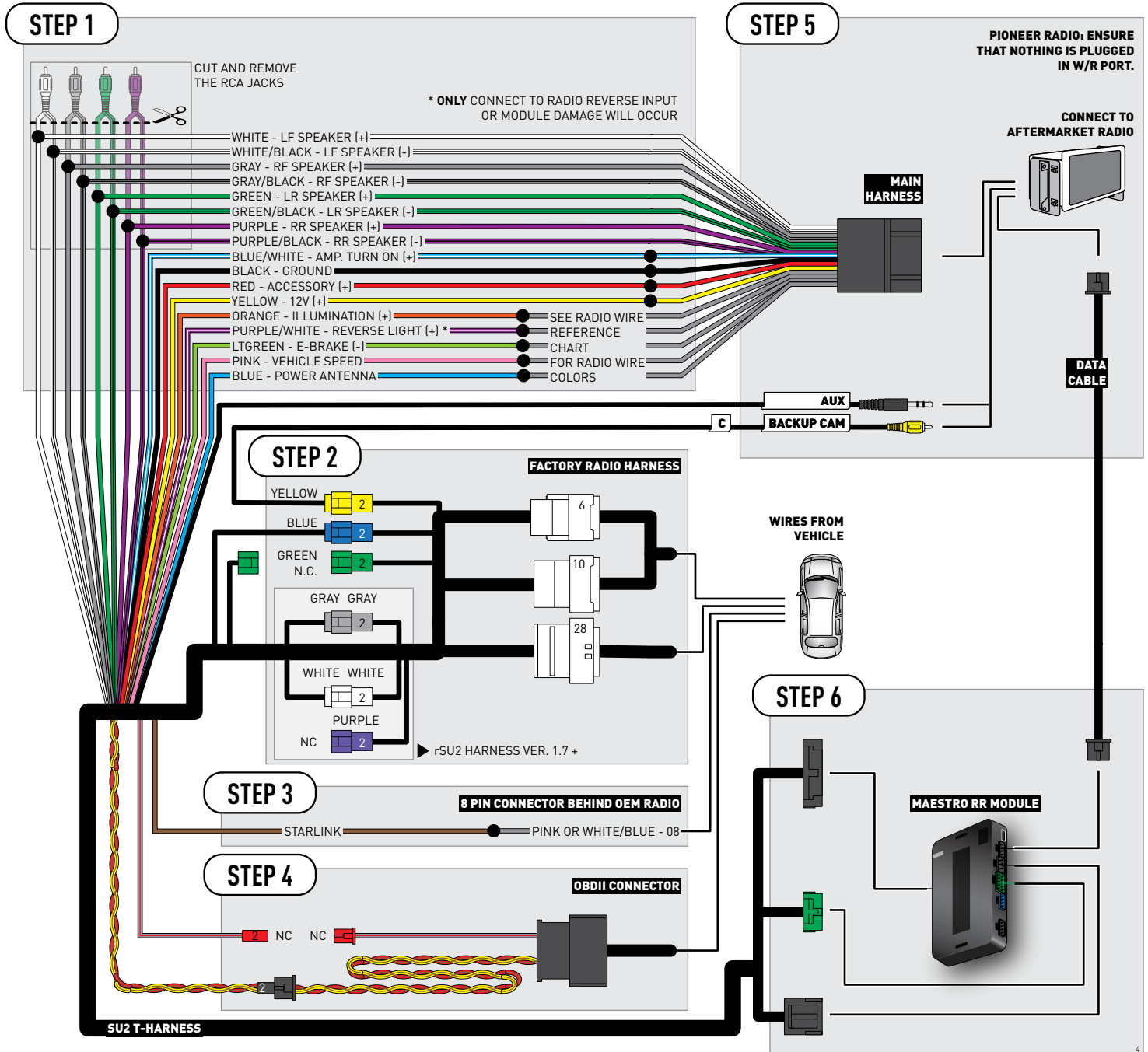
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STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

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TROUBLESHOOTING TABLE

P1 /2

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

Please note that Maestro RR will only retain functionalities that were originally available in the vehicle.

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INSTALLATION INSTRUCTIONS P1/1

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
- Connect the wires from aftermarket radio main harness to the SU2 T-harness and match the wire functions.
- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness and connect it to the factory radio harness.

rSU2 V1.7+ harness :

Unplug the gray 2 pin connectors and plug the female gray 2 pin into the male green 2 pin connector.

rSU2 V1.5 or below harness :

Locate the 28 pin connector on the SU2 T-harness. Cut the Brown/Red wire (pin 9). Tape/insulate the Brown/Red wire (Maestro side of cut).

Connect Brown/Red wire (vehicle side of cut) to the Blue/White wire from the aftermarket radio main harness.

STEP 3

Note: Connection required if the vehicle is equipped with Starlink telematics and a SOS button.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

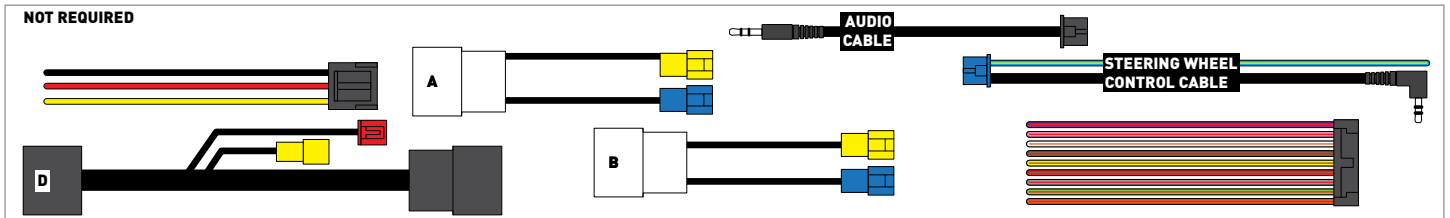
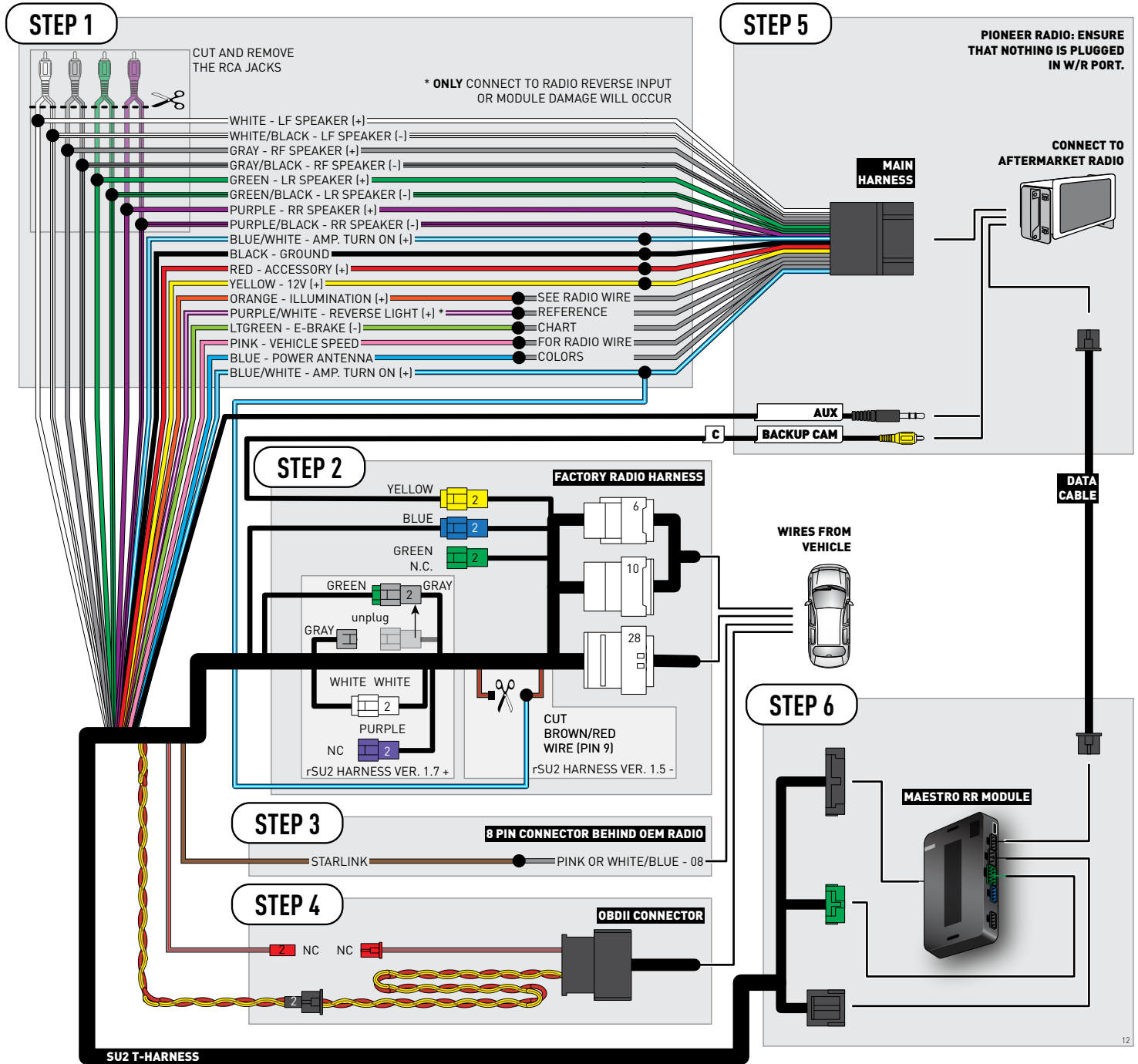
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
● or ●		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
●		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
●		2 RED flashes	Problem detected. Consult troubleshooting table.
●		1 GREEN flash	After radio boots up : Normal operation.
	●	3 GREEN flashes	Bluetooth is activated. Turns off after one minute: Normal operation.
●	●	OFF	Normal operation (inactive).

VIDEO HELP		Installation, product information, vehicle specific videos.
VERIFY FLASH		Last flash information, steering control configuration, vehicle information.
WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
Backup camera is not displayed. Radio switches to blank screen.	Verify factory radio screen size (diagonally, if mentioned in the guide) and vehicle listed at top right corner of the guide matches the vehicle. There are 3 different camera connection options based on vehicle, screen, etc.
Starlink connector isn't present.	Some vehicles show Starlink on the radio screen when booting, but do not have the buttons present in the vehicle overhead console. If buttons are not present, the vehicle does not have Starlink. This connection is only required when equipped with Starlink.
Front speakers do not play but rears do.	Reconnect the factory Starlink module. It is mounted below the factory radio, on its metal mounting brackets. This module must remain in the vehicle. Ensure that all connections (connectors or wires) are done exactly as shown in step 2.
Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
The light on the Maestro is blinking RED TWICE but radio is NOT turning on.	If installing a floating screen type radio and it is not turning on, ensure the screen is secured and any trim pieces on the radio have been installed fully. Not installing these fully will prevent radio from powering up and show a 2x red error as well. Test red and yellow wires for DC voltage at radio using a multimeter. Contact support if no voltage on red or yellow.
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.



TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

TECHNICAL ASSISTANCE

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IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.



RETAINS STEERING WHEEL CONTROLS, AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR or RR2 Radio Replacement Interface
iDataLink Maestro HRN-RR-SU2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-SUB2-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES



ACC-uSU2

Click here for:
[Radar Installation Guides](#)

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Congratulations on the purchase of your iDatalink Maestro RR Radio replacement solution. You are now a few simple steps away from enjoying your new car radio with enhanced features.

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STEP 1

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- Cut the WHITE, GRAY, GREEN and PURPLE RCA tips.
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- Remove the factory radio.

Note: only connect purple/white wire to radio reverse input or module damage will occur.

STEP 2

- Assemble the SU2 T-harness 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.

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

STEP 4

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

STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Plug the AUX cable to the aftermarket radio.
- Plug the RCA cable to the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.

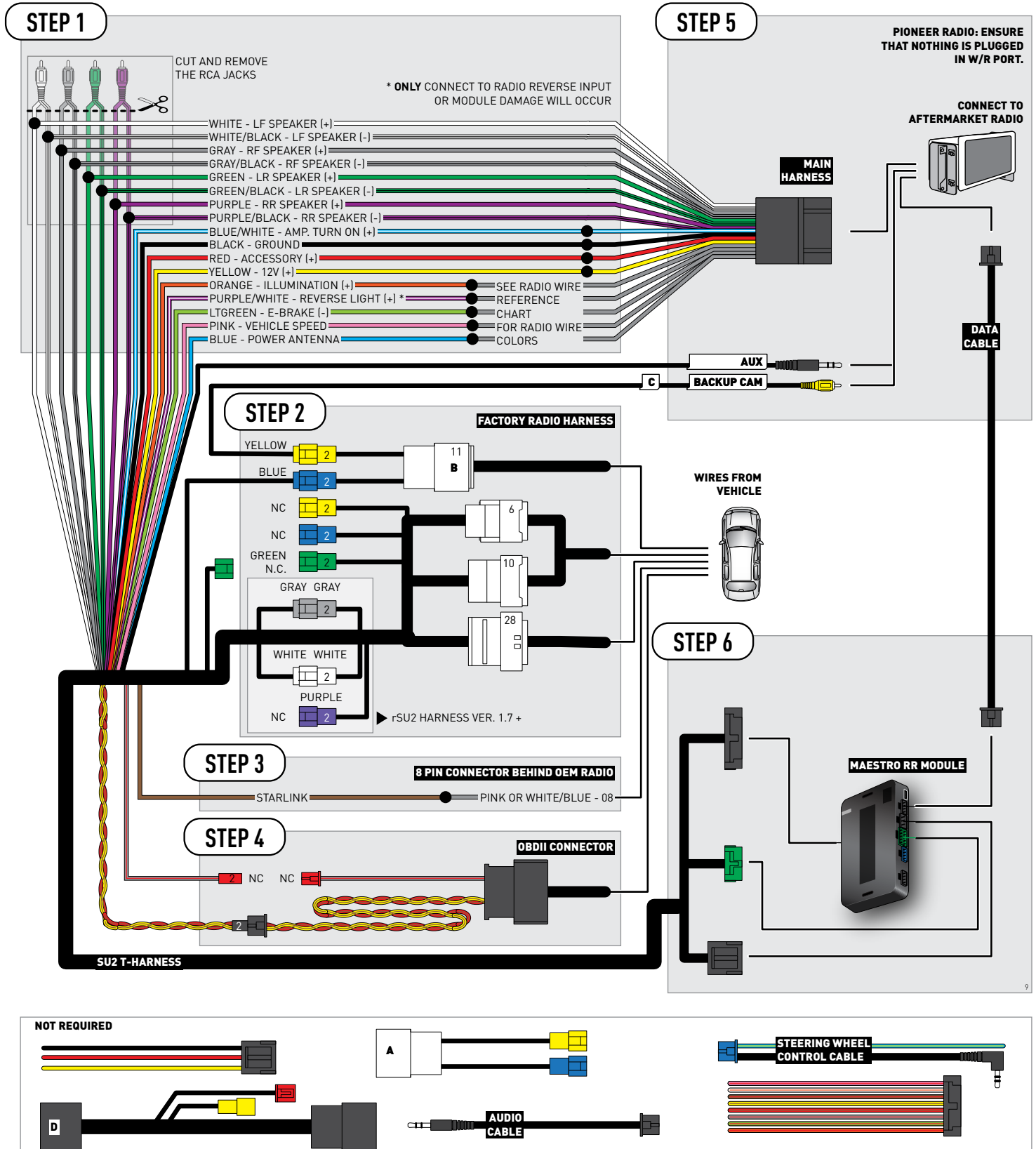
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 6

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



WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

Wire Description	Polarity	Wire Color on Maestro T-Harness	Wire Color on Alpine cable	Wire Color on Kenwood cable	Wire Color on Pioneer cable
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink
Power Antenna	(+)	Blue	Blue	Blue	N/A

MODULE DIAGNOSTICS



LED 1 Module/Firmware status	LED 2 (RR2) Bluetooth activity	LED STATUS	DIAGNOSTIC
• or •		RED or GREEN flashing	LED flashes 1 or more times, either red or green, when a steering wheel button is pressed : normal operation.
•		1 RED flash	Module has no firmware. Flash module using Weblink Desktop and log in. Do <u>NOT</u> use DEMO MODE.
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•		1 GREEN flash	After radio boots up : Normal operation.
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VIDEO HELP		Installation, product information, vehicle specific videos.
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WEBLINK		Software to program module.

TROUBLESHOOTING TABLE

P1 /2

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	Ensure OBDII connector is securely attached to the OBD2 connector of the vehicle. If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the RED/BROWN wire is on PIN 6 and the YELLOW/BROWN wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended. If anything else is connected to the OBD2 or CAN wires of vehicle (programmer, throttle controller, insurance tracker, etc.) try unplugging it to see if gauges work. If gauges work without it installed, call tech support for options. Reset the RR.
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Vehicle has Harman Kardon system and no sound.	Ensure the BLUE/WHITE amp turn-on wire is connected. Ensure the 6-pin connector (plug with blue, green, green/black, purple, and purple/black wires) on the T-harness is not connected to the car.
Radio turns on but will not turn off, even with doors opened. (Vehicles with CAN connections at the climate controls only, refer to wiring diagram).	Verify CAN connections at the climate controls have been made. The BROWN/RED and BROWN/YELLOW wires need to be cut in the harness. Maestro RR side of those wires should be extended to the climate control harness, as shown in the diagram. CAN wires should be next to each other in the plug, not on top of one another. Some vehicles have a wire below pin 1 that matches the color for pin 2.
The light on the Maestro is blinking RED TWICE and the radio IS turning on.	Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty. Make sure the correct radio model and serial number were entered during the flash. Verify the radio's serial number entered during the flash matches what is listed on the radio screen. This can be found in the settings of the radio, listed as Device Id, Device Number, or Serial Number.
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TROUBLESHOOTING TABLE P2 /2

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.

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K40
ELECTRONICS
ESCORT

Click here for:
[Radar Installation Guides](#)

ACC-uSU2

NOTICE: Automotive Data Solutions Inc. (ADS) recommends having this installation performed by a certified technician. Logos and trademarks used here in are the properties of their respective owners.



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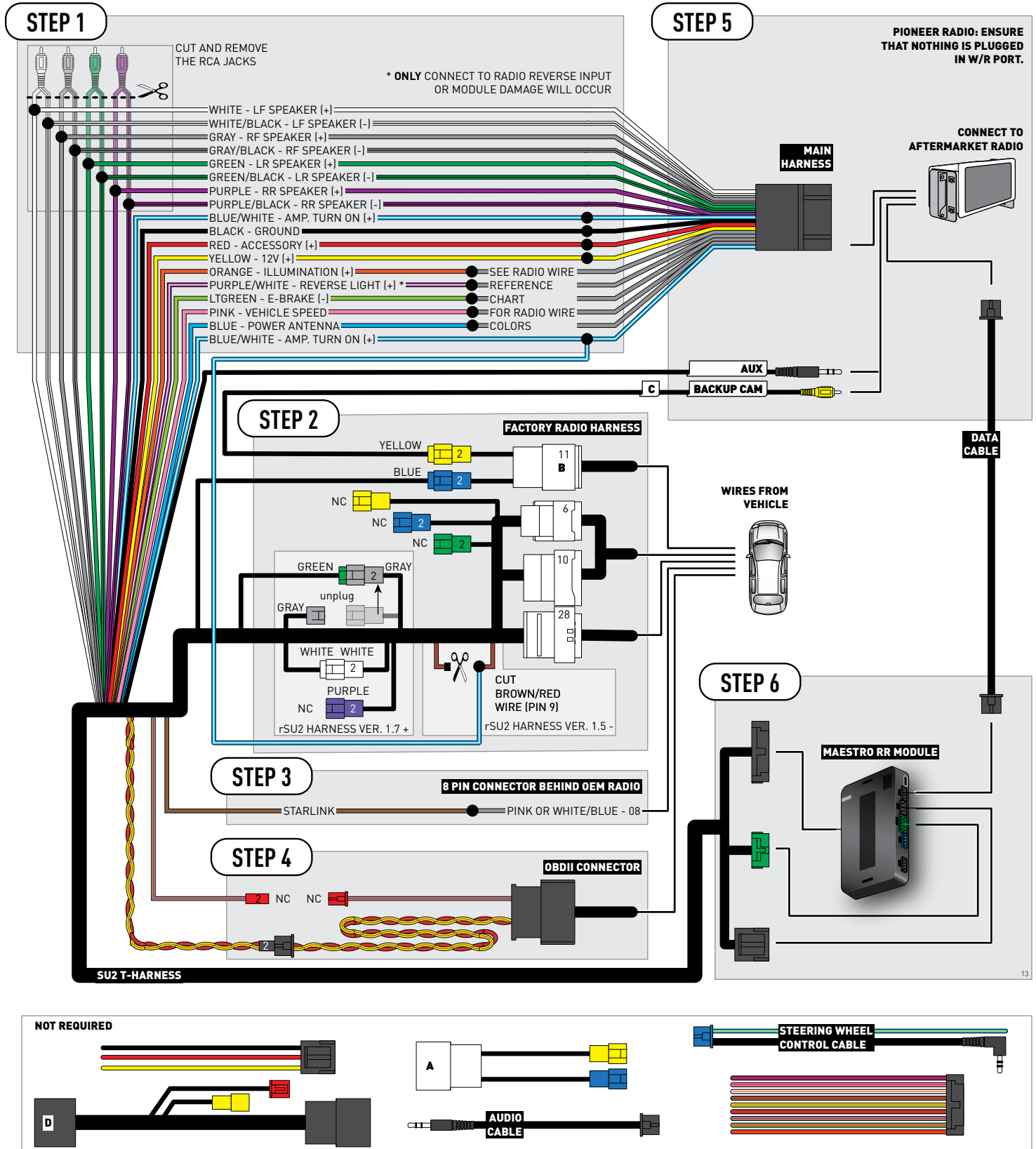
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TROUBLESHOOTING TABLE

P1 /2

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