



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, BACKUP CAMERA, GAUGES, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-HK2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-HK01-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40
ELECTRONICS
ESCORT

uHK1/uHK2
SAT1/SAT2
NAV1/NAV2

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.

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

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

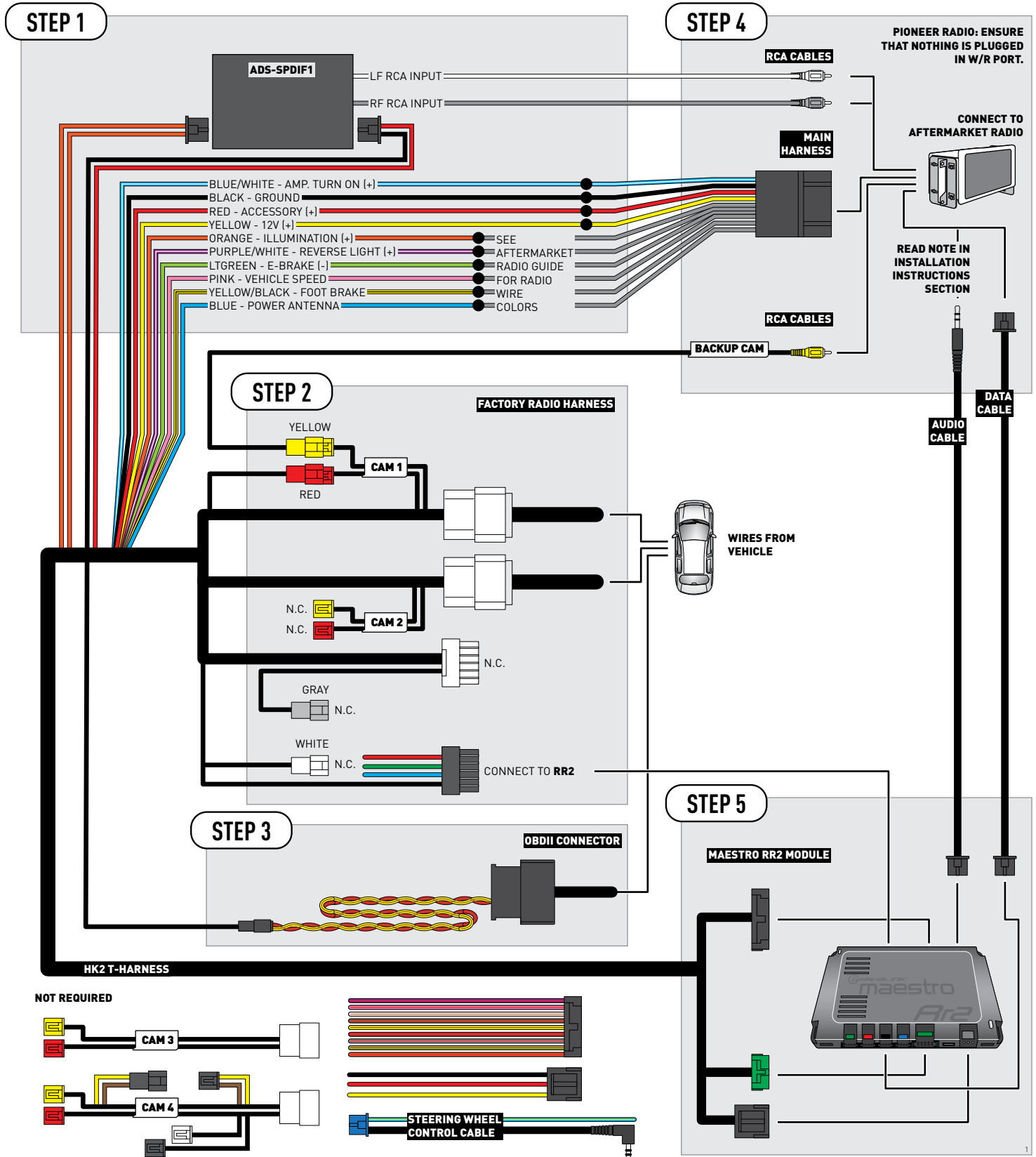
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 5

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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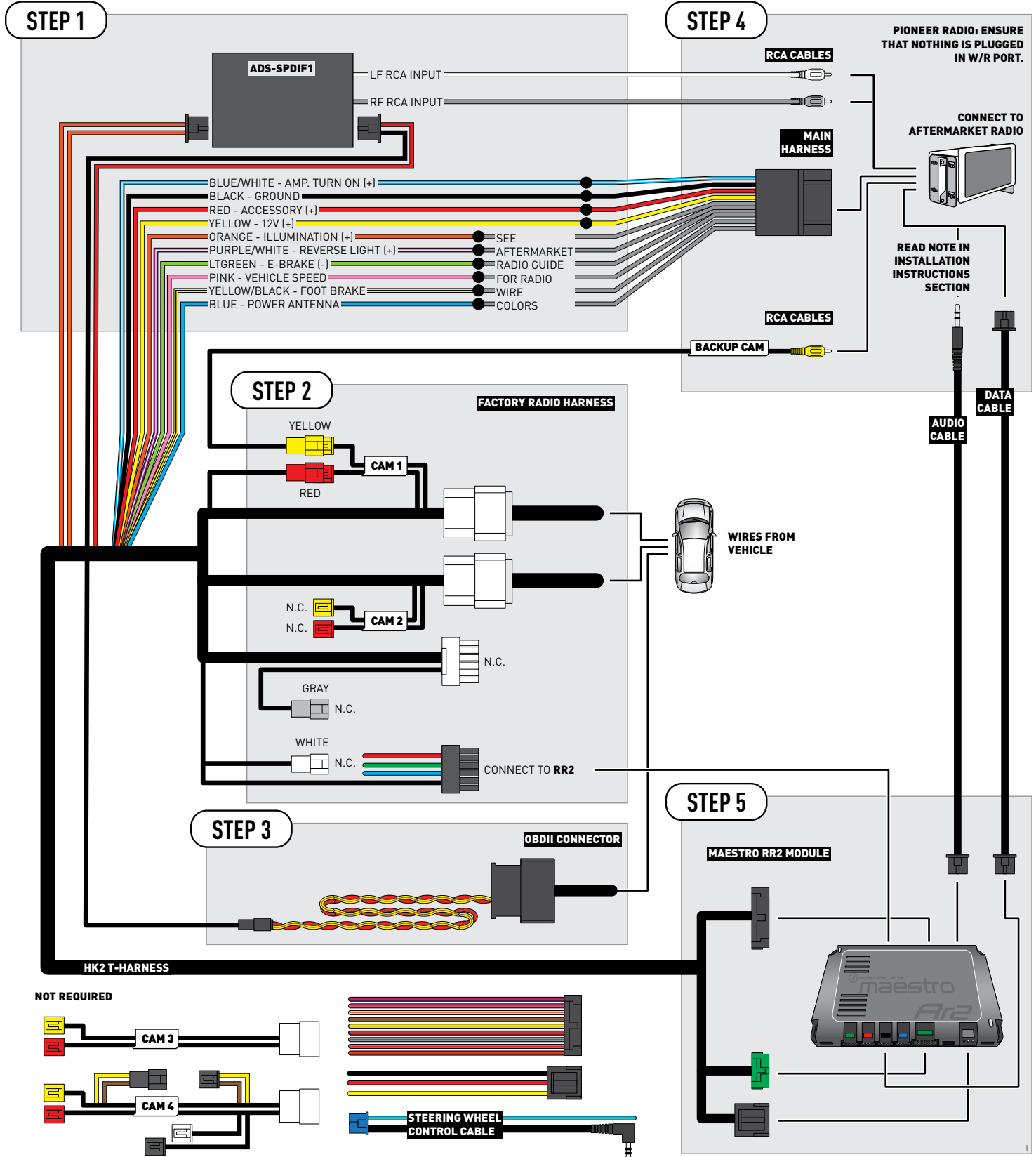
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- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
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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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Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram.
If there is an OEM camera, connect the backup cam RCA cable to the rHK2 CAM4 harness, as shown.
If equipped with 360 camera system: plug together the BLACK 2 pin (with brown and yellow wires) connectors (rHK2 CAM4 harness).
If not equipped with 360 camera system: do not plug the black 2 PIN (with brown and yellow wires) connectors.
- Connect the factory radio harness to the rHK2 T-harness.
- Connect the 6 pin BLACK connector from the rHK2 T-harness to the RR2 module.

STEP 3

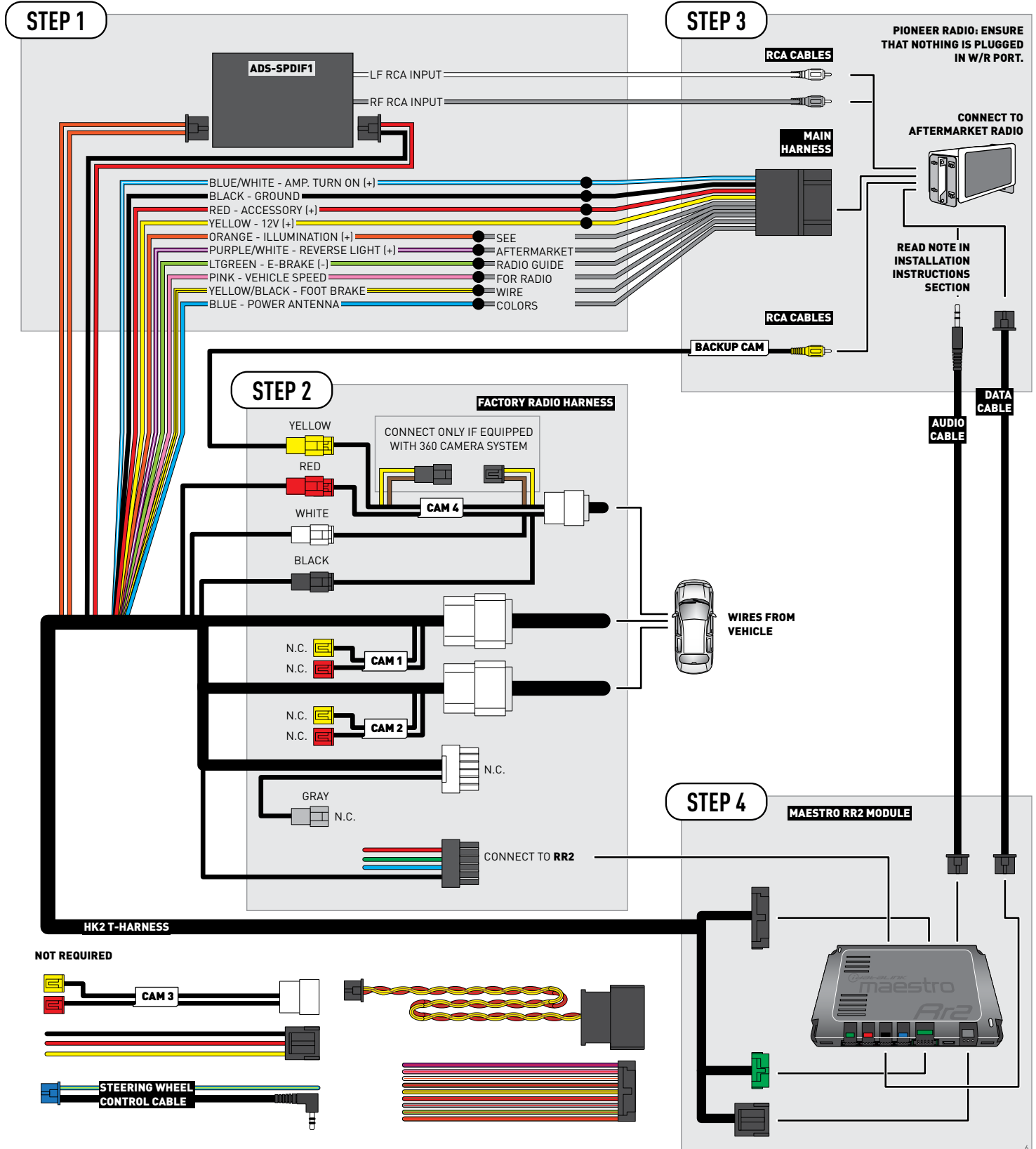
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Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 4

- Connect all the harnesses to the Maestro RR2 module then test your installation.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work.	Ensure CAM4 connector is plugged into the vehicle. Ensure the Black 2 pin connector with the BROWN/RED and BROWN/YELLOW wires is plugged into the Black 2 pin connector from the rHK2 harness with the BROWN/RED and BROWN/YELLOW wires. Reset the RR.
The light on the Maestro is blinking RED TWICE .	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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Release the programming button. Wait, the LED will turn solid GREEN for 2 seconds to show the reset was successful.

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- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
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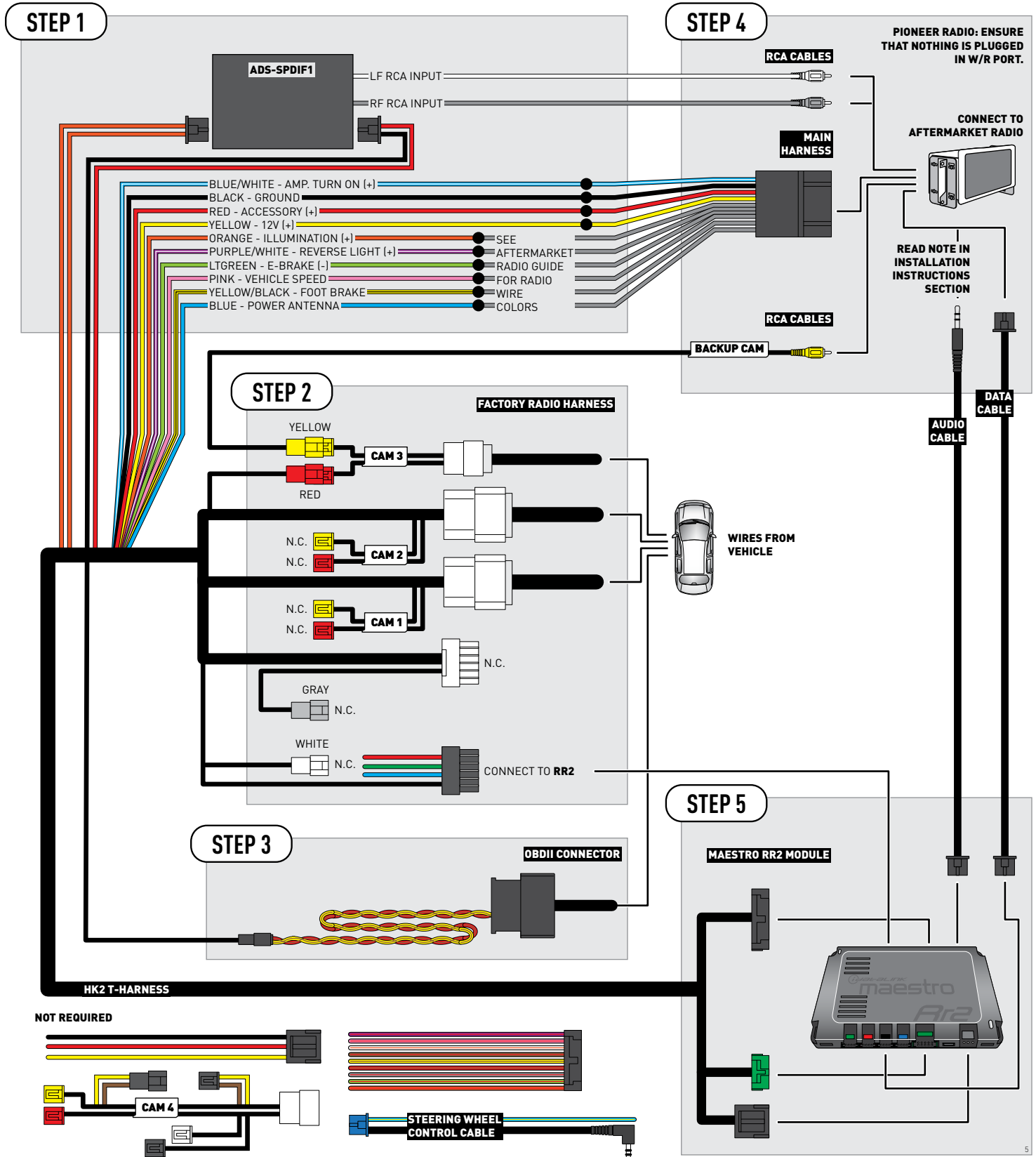
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WIRING DIAGRAM



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PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
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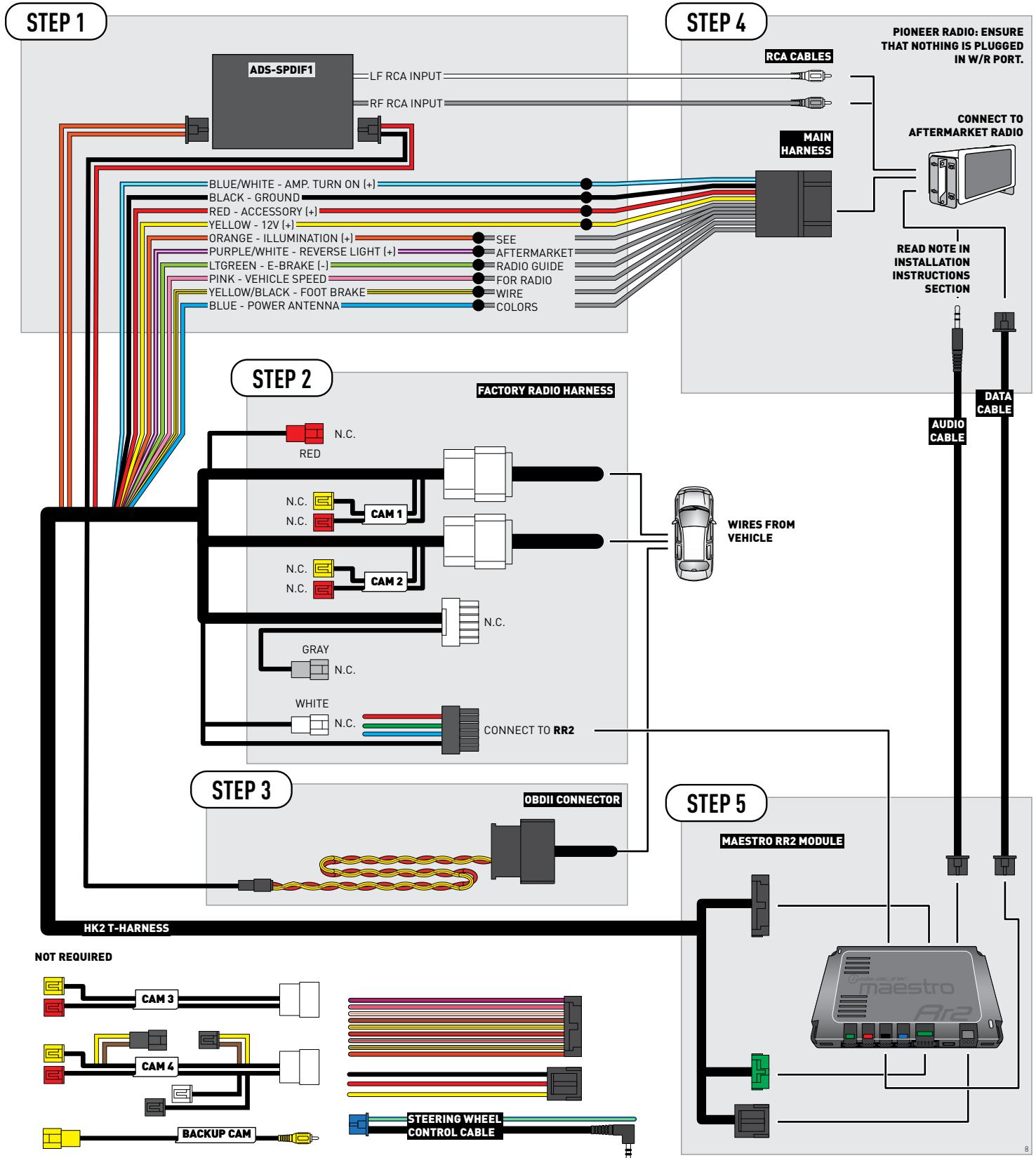
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[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

uHK1/uHK2
SAT1/SAT2
NAV1/NAV2

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

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.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

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

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

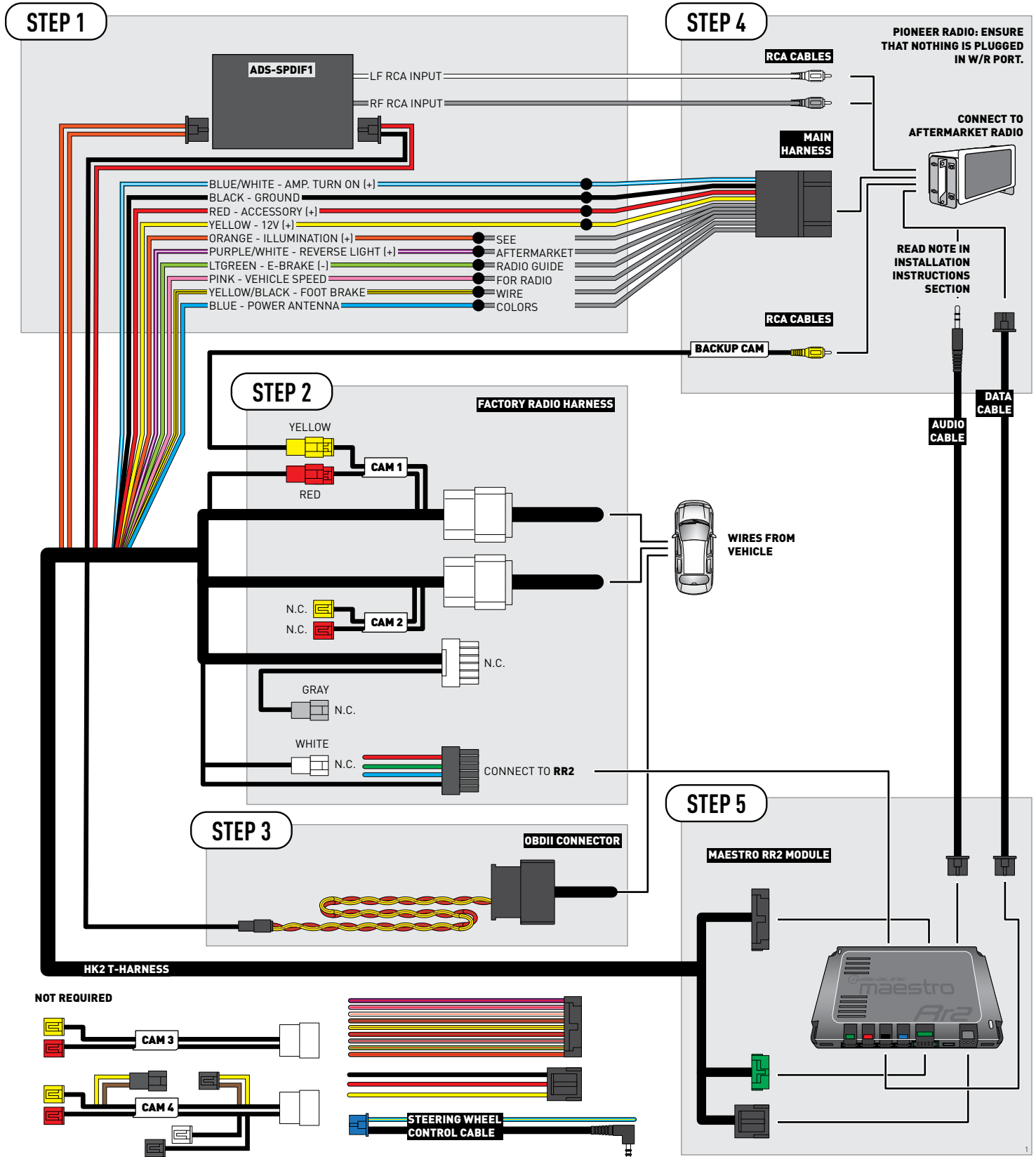
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 5

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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, BACKUP CAMERA, GAUGES, AND MORE!



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- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram.
If there is an OEM camera, connect the backup cam RCA cable to the rHK2 CAM4 harness, as shown.
If equipped with 360 camera system: plug together the BLACK 2 pin (with brown and yellow wires) connectors (rHK2 CAM4 harness).
If not equipped with 360 camera system: do not plug the black 2 PIN (with brown and yellow wires) connectors.
- Connect the factory radio harness to the rHK2 T-harness.
- Connect the 6 pin BLACK connector from the rHK2 T-harness to the RR2 module.

STEP 3

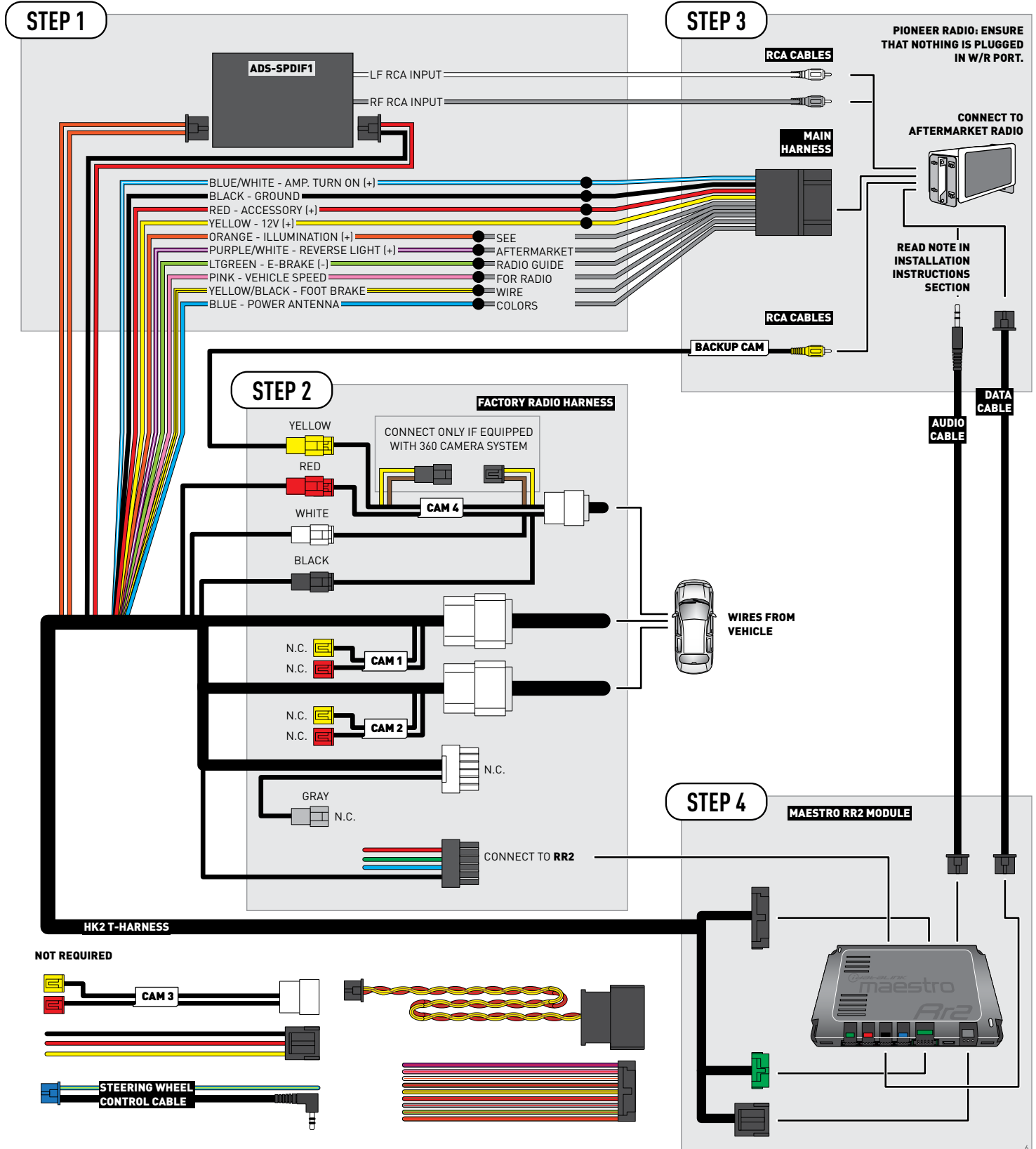
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- Connect the RCA cables in the front RCA outputs of the radio.
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- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 4

- Connect all the harnesses to the Maestro RR2 module then test your installation.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work.	Ensure CAM4 connector is plugged into the vehicle. Ensure the Black 2 pin connector with the BROWN/RED and BROWN/YELLOW wires is plugged into the Black 2 pin connector from the rHK2 harness with the BROWN/RED and BROWN/YELLOW wires. Reset the RR.
The light on the Maestro is blinking RED TWICE .	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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

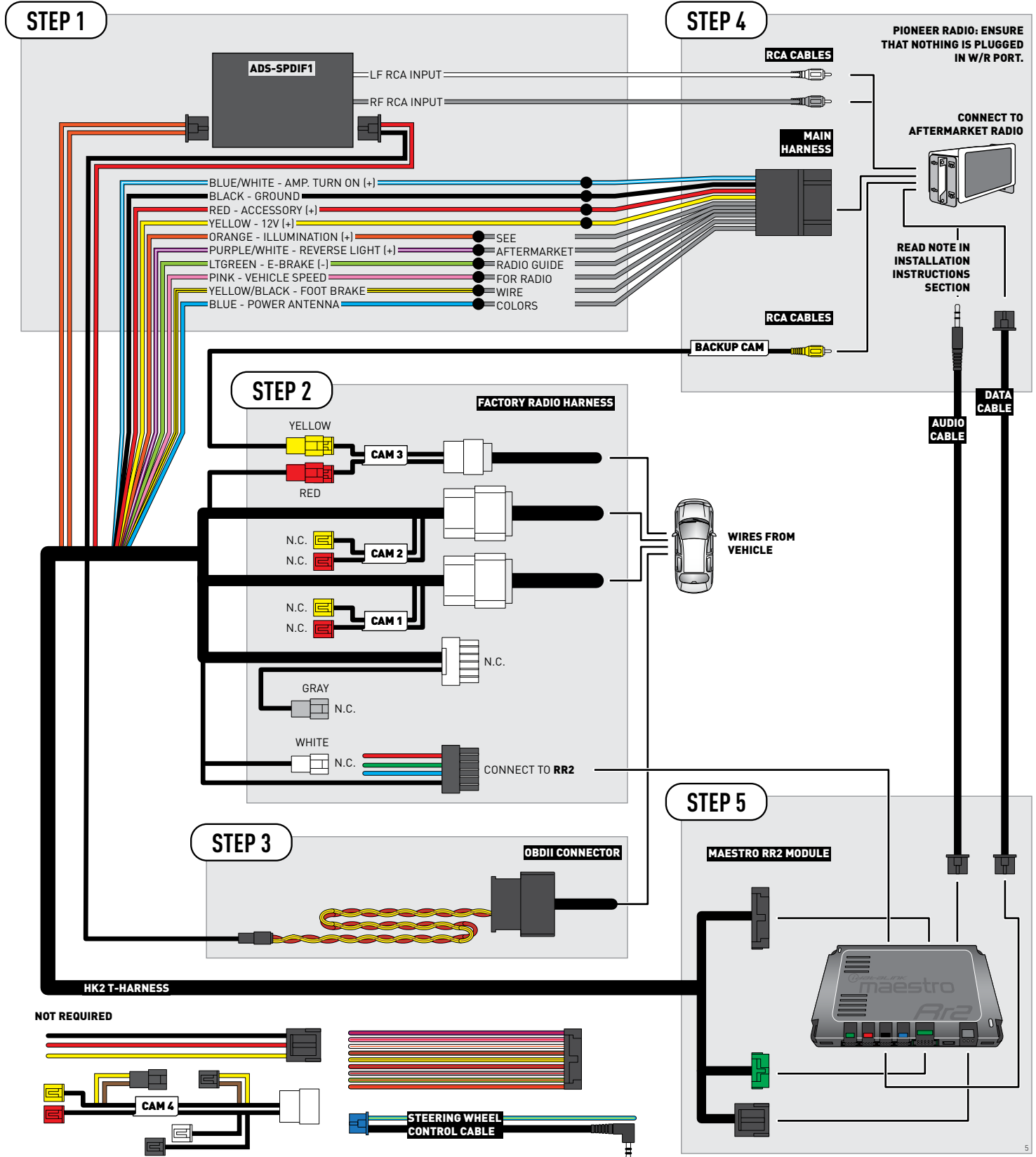
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- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
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- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 5

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.
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- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

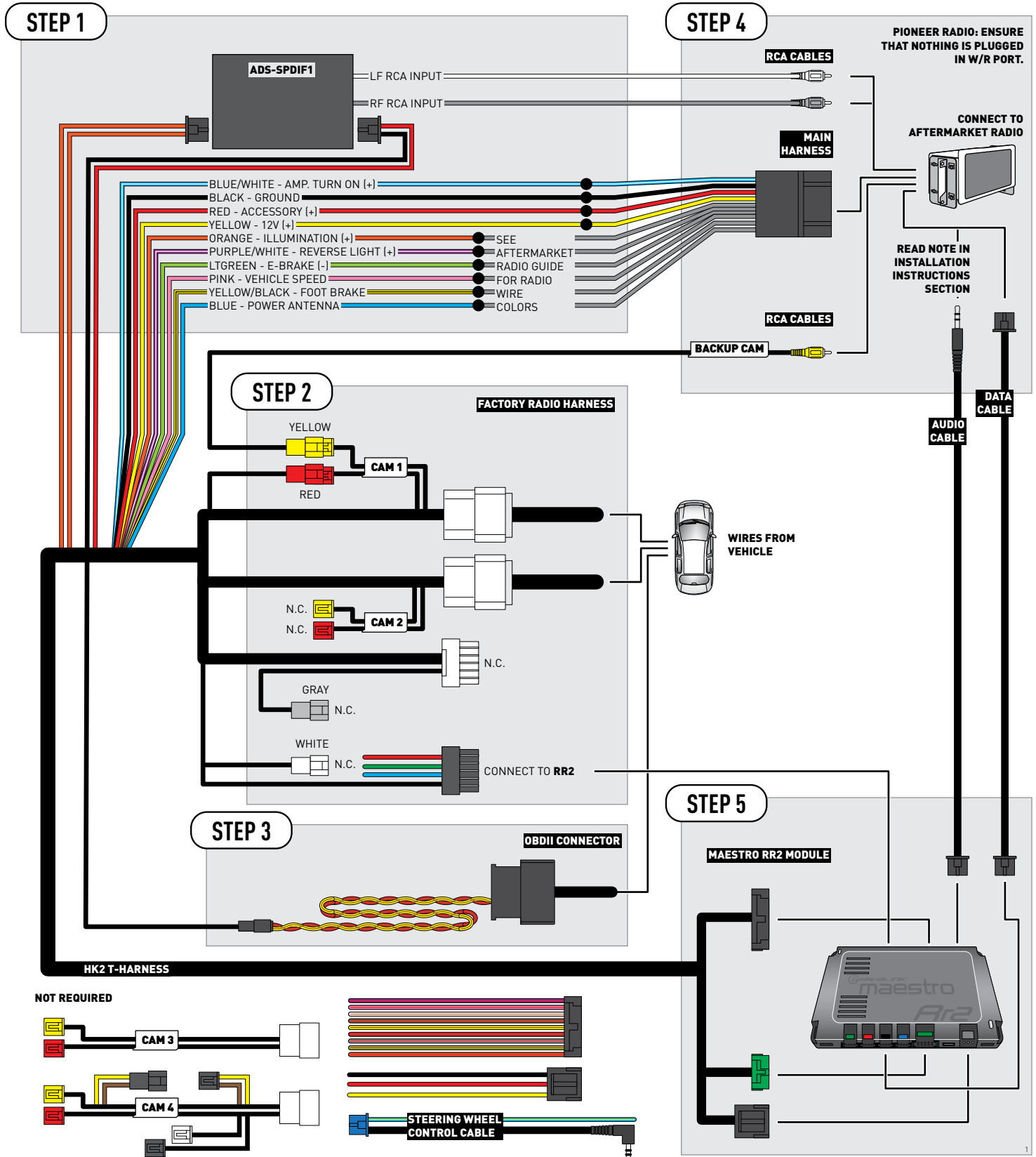
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- Connect the RCA cables in the front RCA outputs of the radio.
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- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 5

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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BEFORE INSTALLING

uHK1/uHK2 is REQUIRED to retain illumination on the buttons on the audio/climate control panel.

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- Connect the factory radio harness to the rHK2 T-harness.
- Connect the Audio/Climate Control plug (rHK2 harness) to the OEM Audio/Climate Control dash panel (that was unplugged when removing OEM radio).
- Connect the GRAY 2 pin connector of the Audio/Climate Control plug (rHK2 harness) to the Gray 2 pin connector of the uHK1/uHK2 USB adapter.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

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- Plug the aftermarket radio harnesses into the aftermarket radio.
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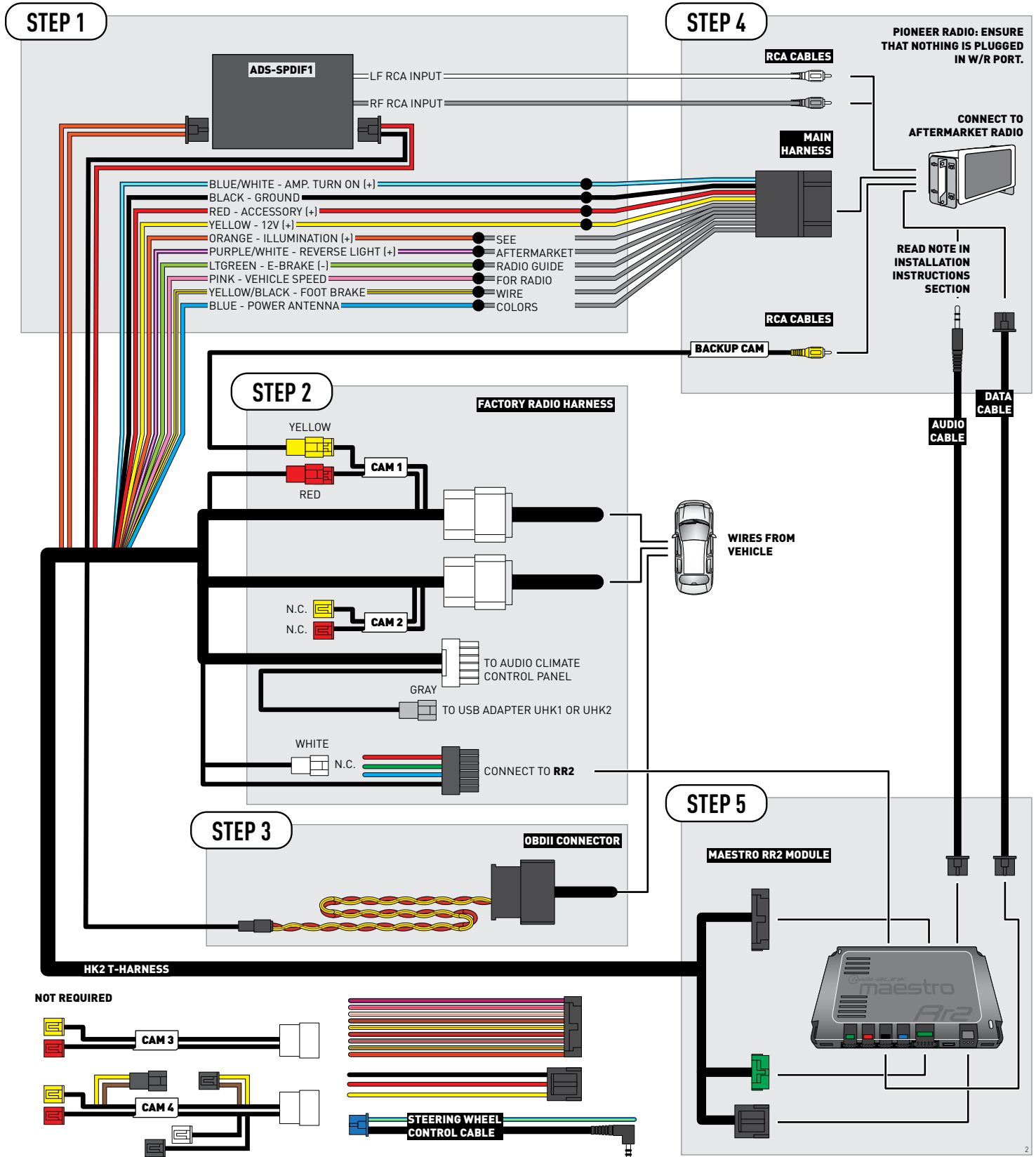
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OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

uHK1/uHK2
SAT1/SAT2
NAV1/NAV2

Click here for:
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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.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

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www.12voltdata.com/forum

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

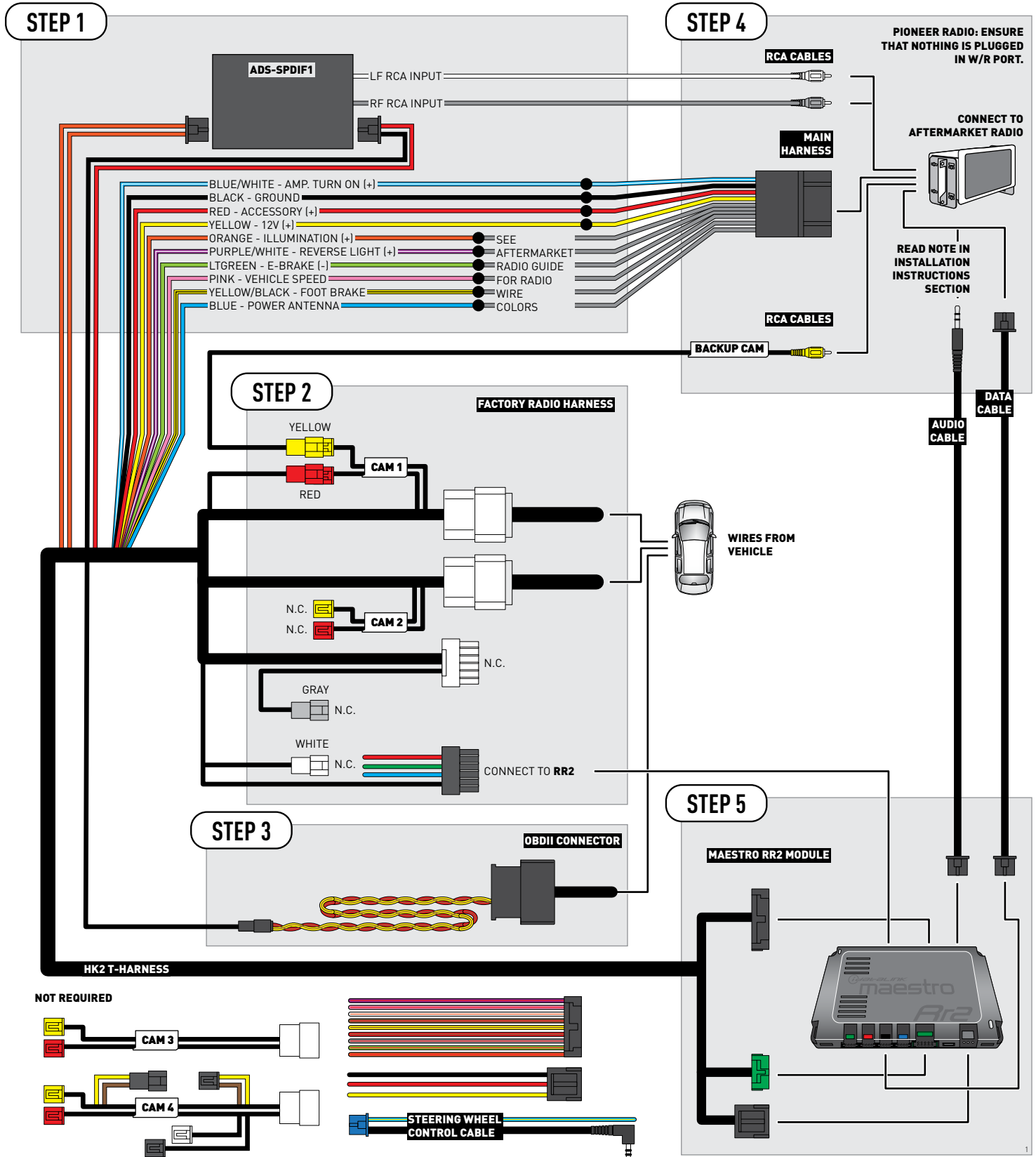
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 5

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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, BACKUP CAMERA, GAUGES, AND MORE!



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INSTALLATION INSTRUCTIONS

BEFORE INSTALLING

uHK1/uHK2 is REQUIRED to retain illumination on the buttons on the audio/climate control panel.

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- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram.
If there is an OEM camera, connect the backup cam RCA cable to the rHK2 CAM4 harness, as shown.
If equipped with 360 camera system: plug together the BLACK 2 pin (with brown and yellow wires) connectors (rHK2 CAM4 harness).
If not equipped with 360 camera system: do not plug the black 2 PIN (with brown and yellow wires) connectors.
- Connect the factory radio harness to the rHK2 T-harness.
- Connect the Audio/Climate Control plug (rHK2 harness) to the OEM Audio/Climate Control dash panel that was (unplugged when removing OEM radio).
- Connect the GRAY 2 pin connector of the Audio/Climate Control plug (rHK2 harness) to the Gray 2 pin connector of the uHK1/uHK2 USB adapter.
- Connect the 6 pin BLACK connector from the rHK2 T-harness to the RR2 module.

STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).

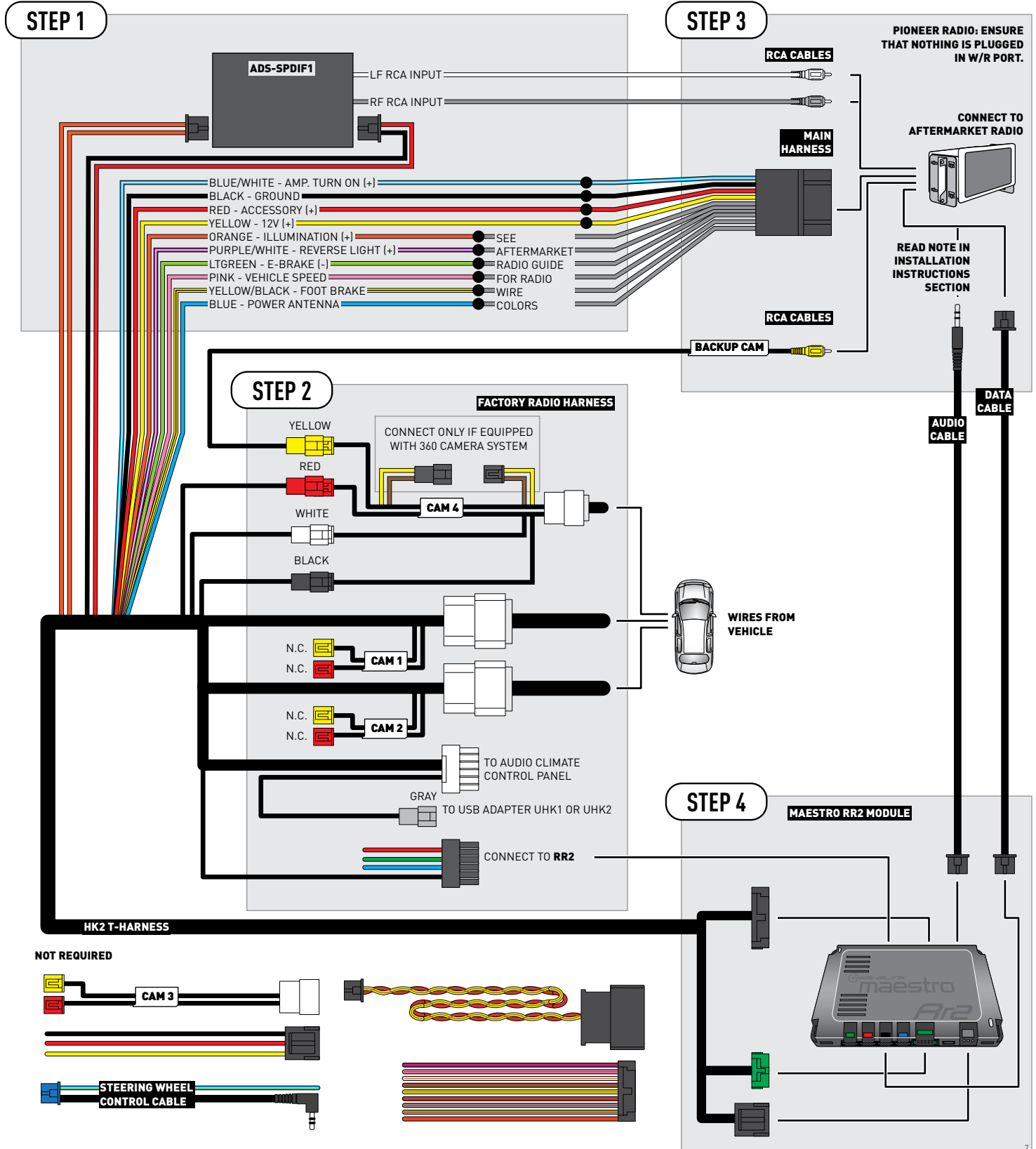
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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STEP 4

- Connect all the harnesses to the Maestro RR2 module then test your installation.

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Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work.	<p>Ensure CAM4 connector is plugged into the vehicle.</p> <p>Ensure the Black 2 pin connector with the BROWN/RED and BROWN/YELLOW wires is plugged into the Black 2 pin connector from the rHK2 harness with the BROWN/RED and BROWN/YELLOW wires.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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.
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- Connect the factory radio harness to the rHK2 T-harness.

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- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

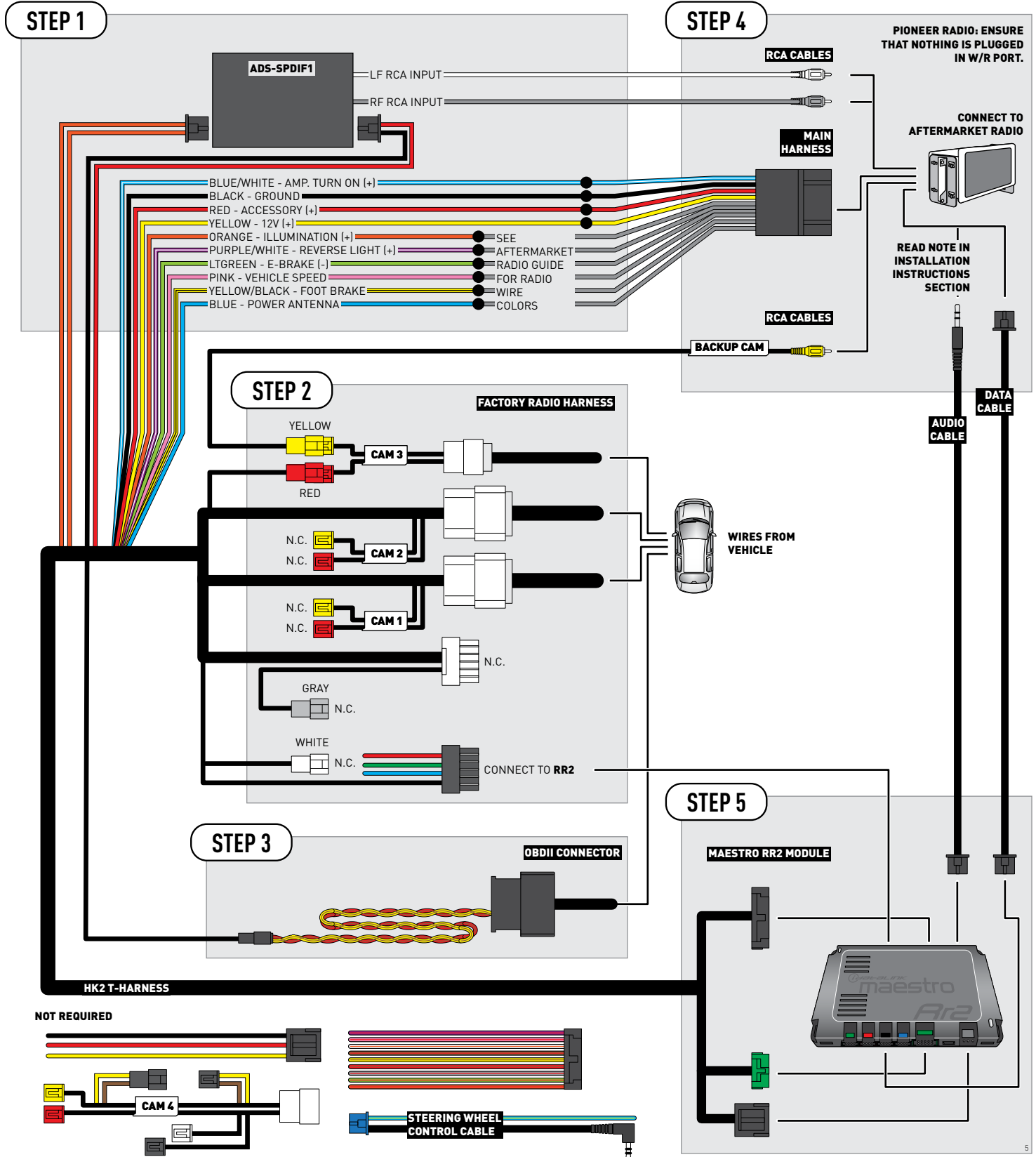
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Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

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PROBLEM	SOLUTION
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The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
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- Remove the factory radio.
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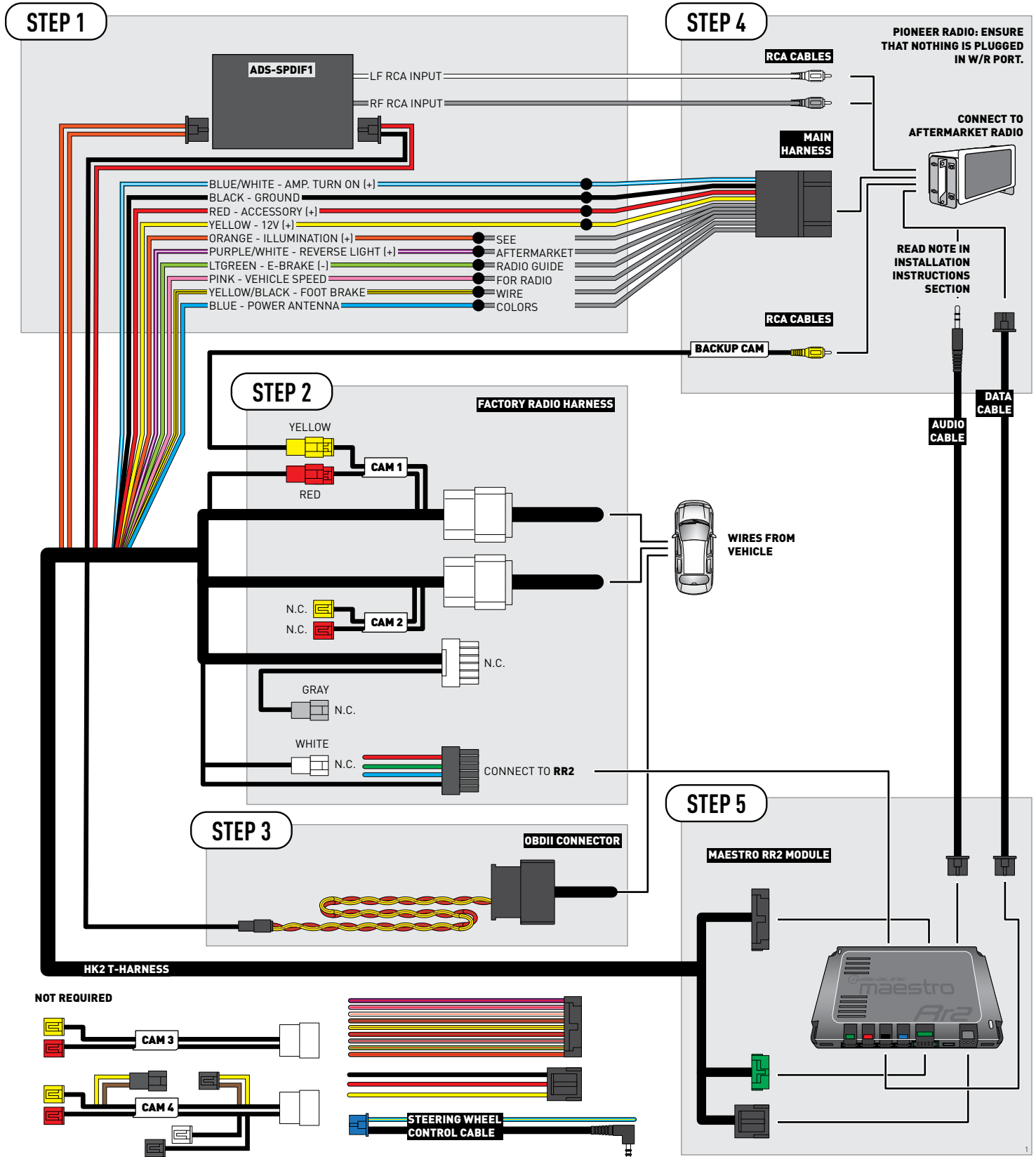
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PROBLEM	SOLUTION
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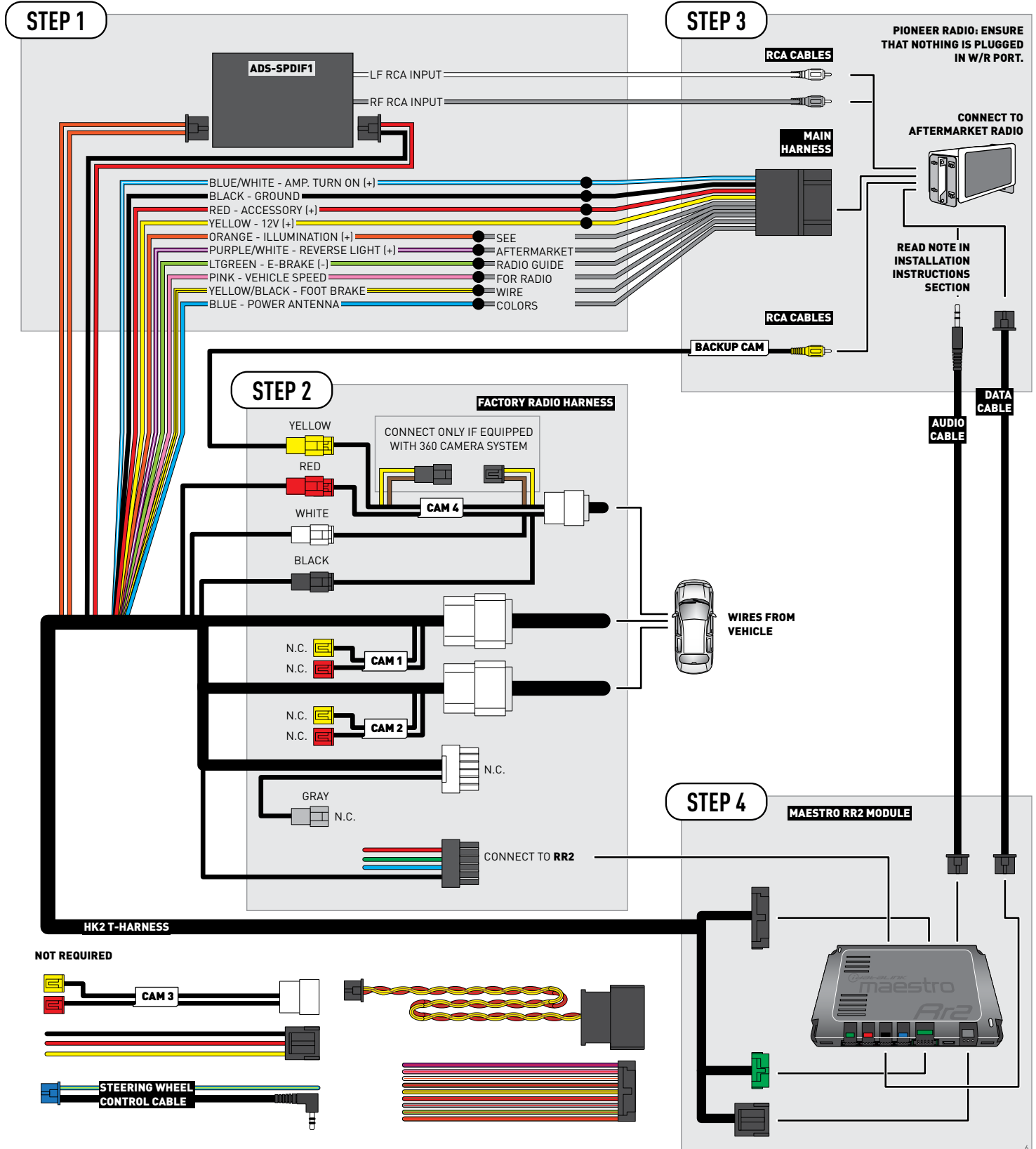
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[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

uHK1/uHK2
SAT1/SAT2
NAV1/NAV2

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.

NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

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Radio Wire Reference Chart	5
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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram.
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

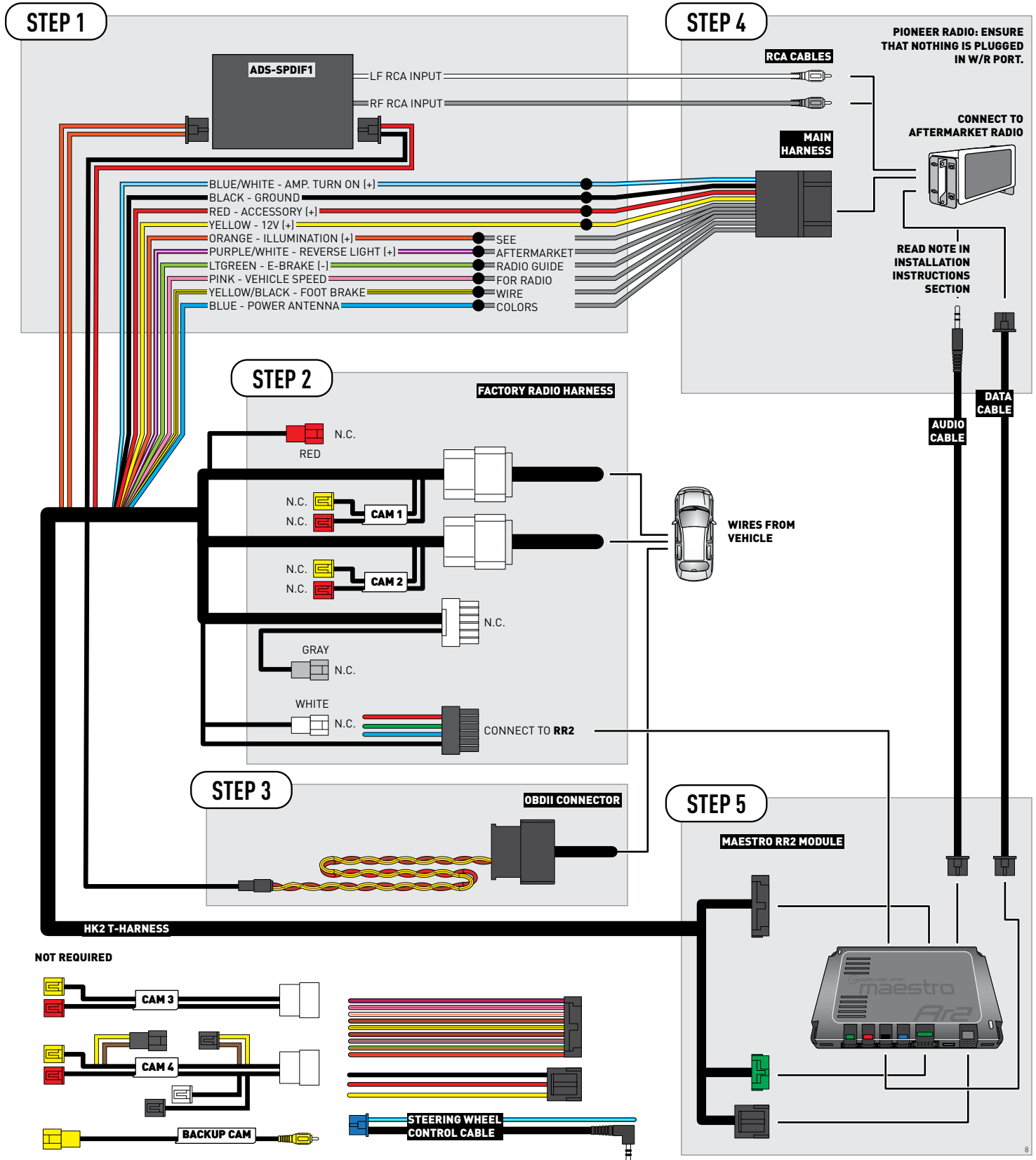
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 5

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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, BACKUP CAMERA, GAUGES, AND MORE!



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BEFORE INSTALLING

uHK1/uHK2 is REQUIRED to retain illumination on the buttons on the audio/climate control panel.

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- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.
- Connect the Audio/Climate Control plug (rHK2 harness) to the OEM Audio/Climate Control dash panel (that was unplugged when removing OEM radio).
- Connect the GRAY 2 pin connector of the Audio/Climate Control plug (rHK2 harness) to the Gray 2 pin connector of the uHK1/uHK2 USB adapter.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
- Plug the Data cable to the data port of the aftermarket

radio.

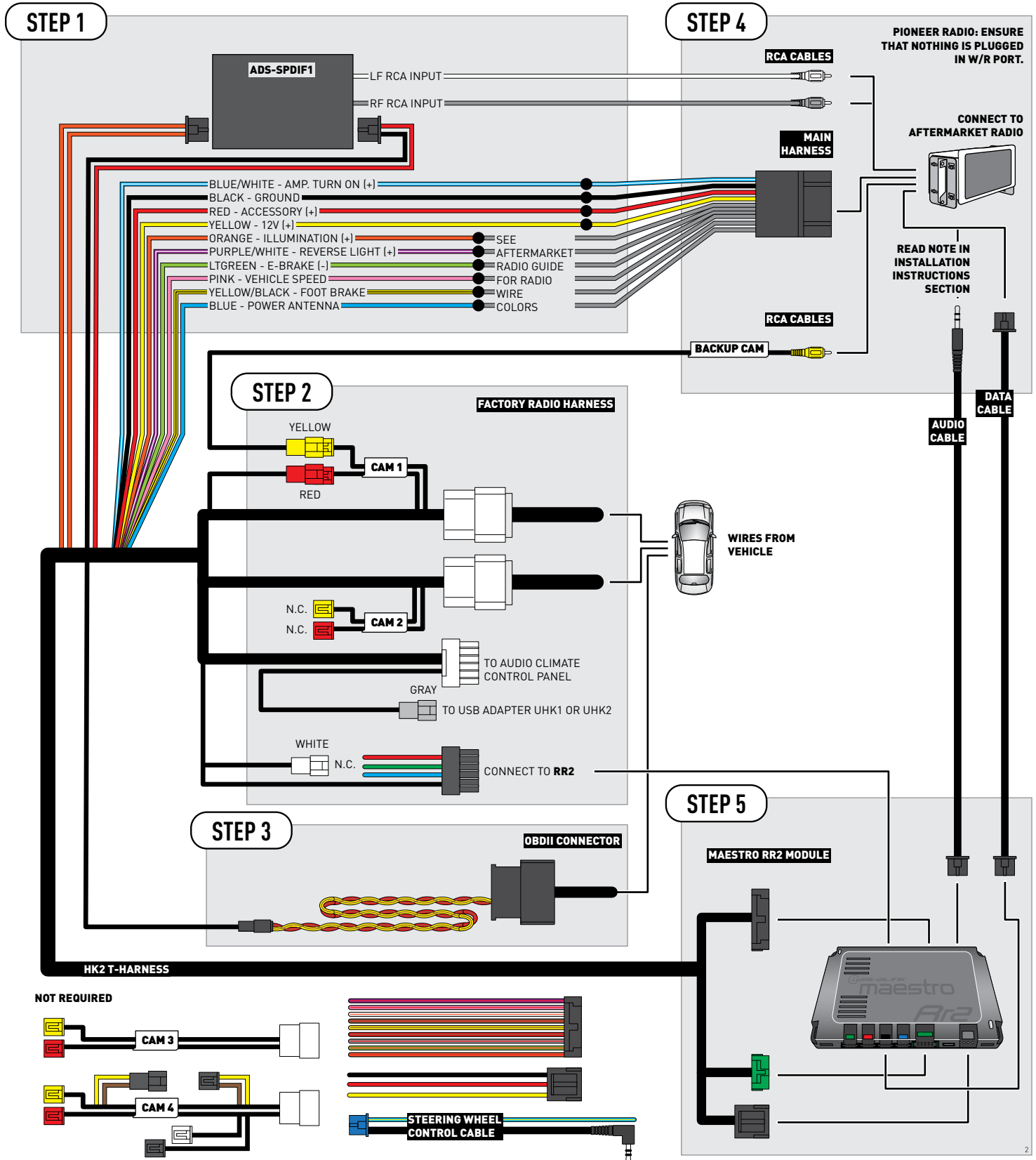
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

WIRING DIAGRAM



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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
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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 rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram.
If there is an OEM camera, connect the backup cam RCA cable to the rHK2 CAM4 harness, as shown.
If equipped with 360 camera system: plug together the BLACK 2 pin (with brown and yellow wires) connectors (rHK2 CAM4 harness).
If not equipped with 360 camera system: do not plug the black 2 PIN (with brown and yellow wires) connectors.
- Connect the factory radio harness to the rHK2 T-harness.
- Connect the Audio/Climate Control plug (rHK2 harness) to the OEM Audio/Climate Control dash panel that was (unplugged when removing OEM radio).
- Connect the GRAY 2 pin connector of the Audio/Climate Control plug (rHK2 harness) to the Gray 2 pin connector of the uHK1/uHK2 USB adapter.
- Connect the 6 pin BLACK connector from the rHK2 T-harness to the RR2 module.

STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).

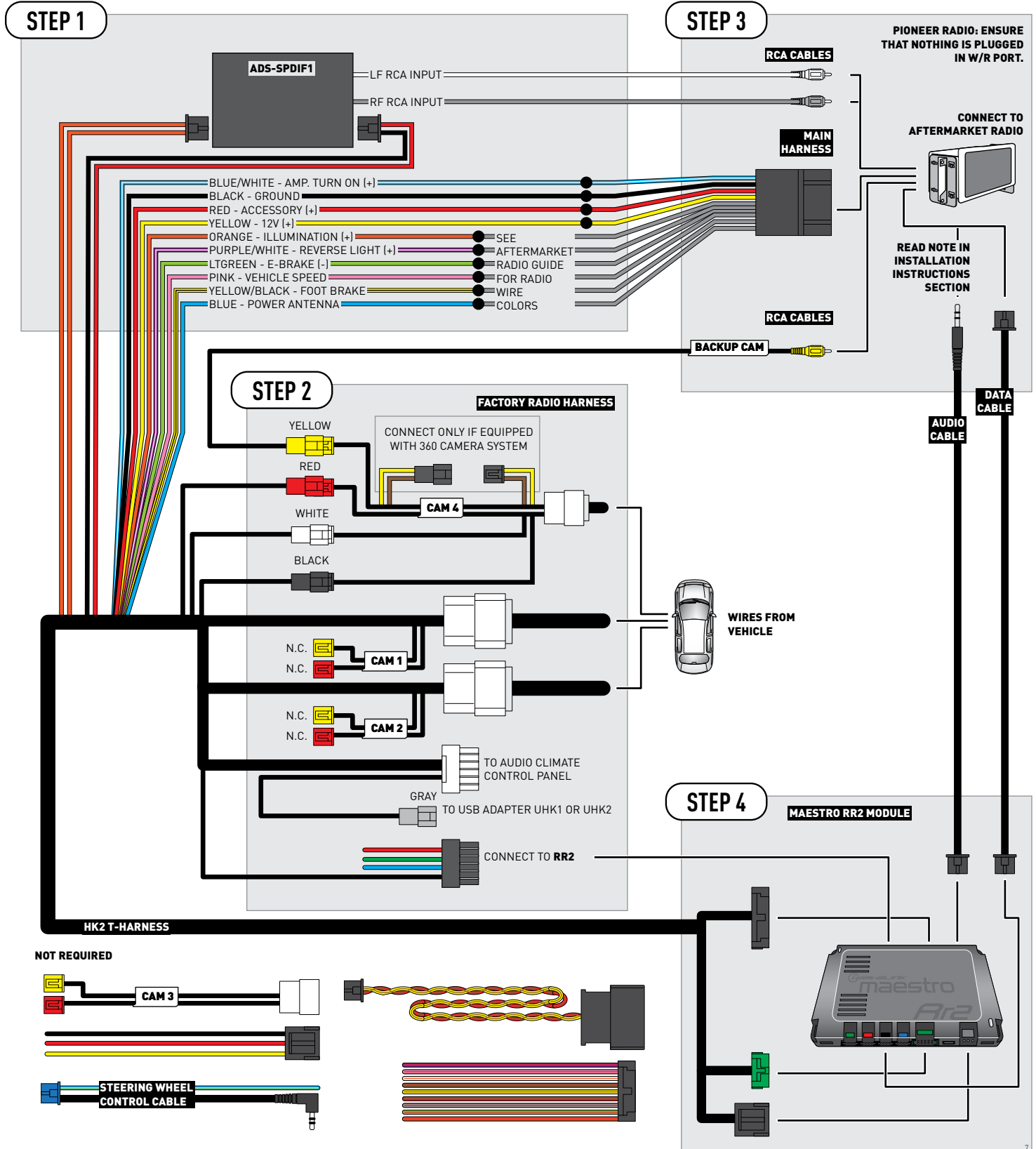
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 4

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work.	<p>Ensure CAM4 connector is plugged into the vehicle.</p> <p>Ensure the Black 2 pin connector with the BROWN/RED and BROWN/YELLOW wires is plugged into the Black 2 pin connector from the rHK2 harness with the BROWN/RED and BROWN/YELLOW wires.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
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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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Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
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- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
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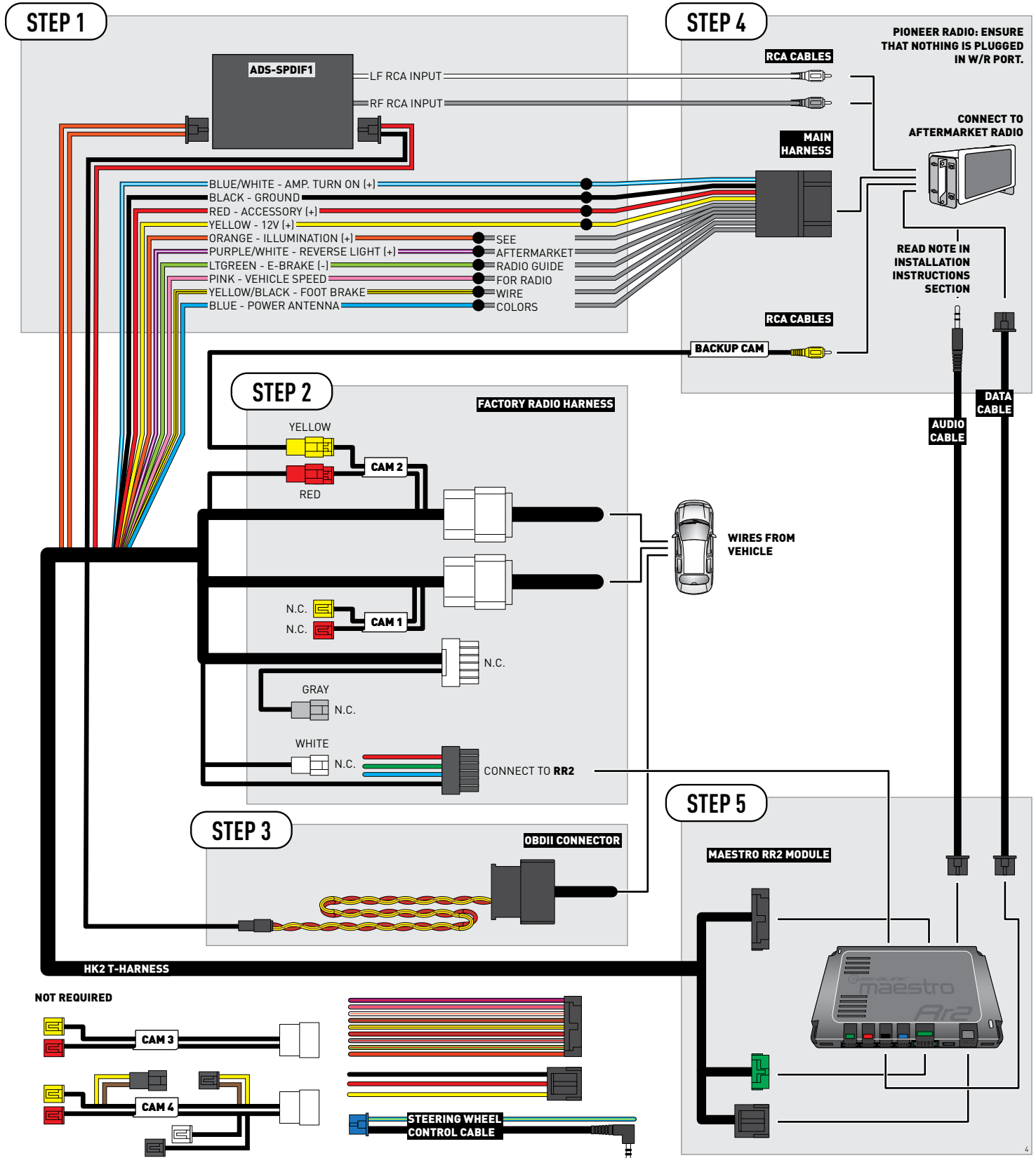
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

4

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	Wire Color on Sony cable
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
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PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
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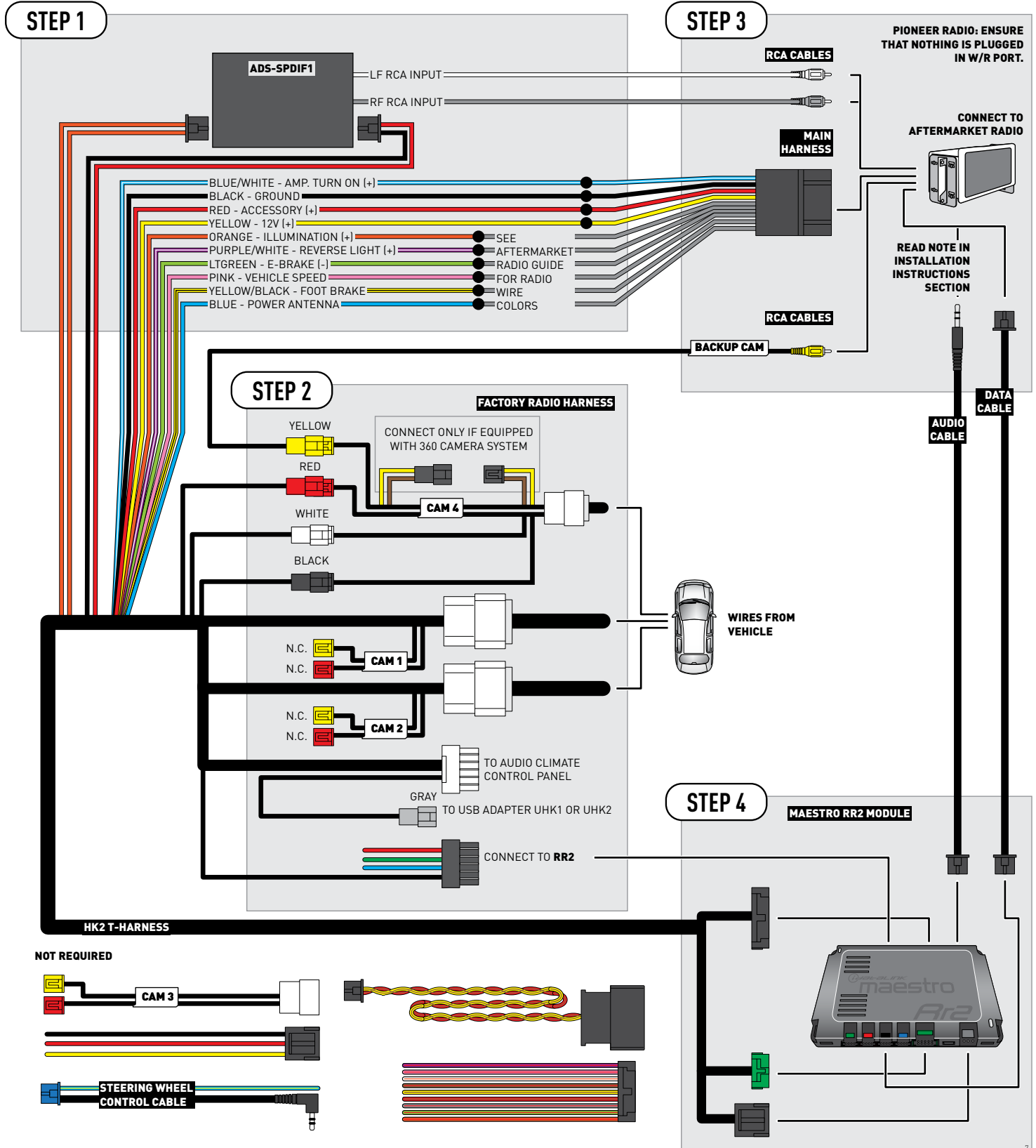
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TECHNICAL ASSISTANCE

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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.

2015-2016
KIA SEDONA
WITHOUT NAV, WITH UVO, WITH AMP

RETAINS STEERING WHEEL CONTROLS, BACKUP CAMERA, GAUGES, AND MORE!



PRODUCTS REQUIRED

iDatalink Maestro RR2 Radio Replacement Interface
iDatalink Maestro HRN-RR-HK2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-HK01-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

uHK1/uHK2
SAT1/SAT2
NAV1/NAV2

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

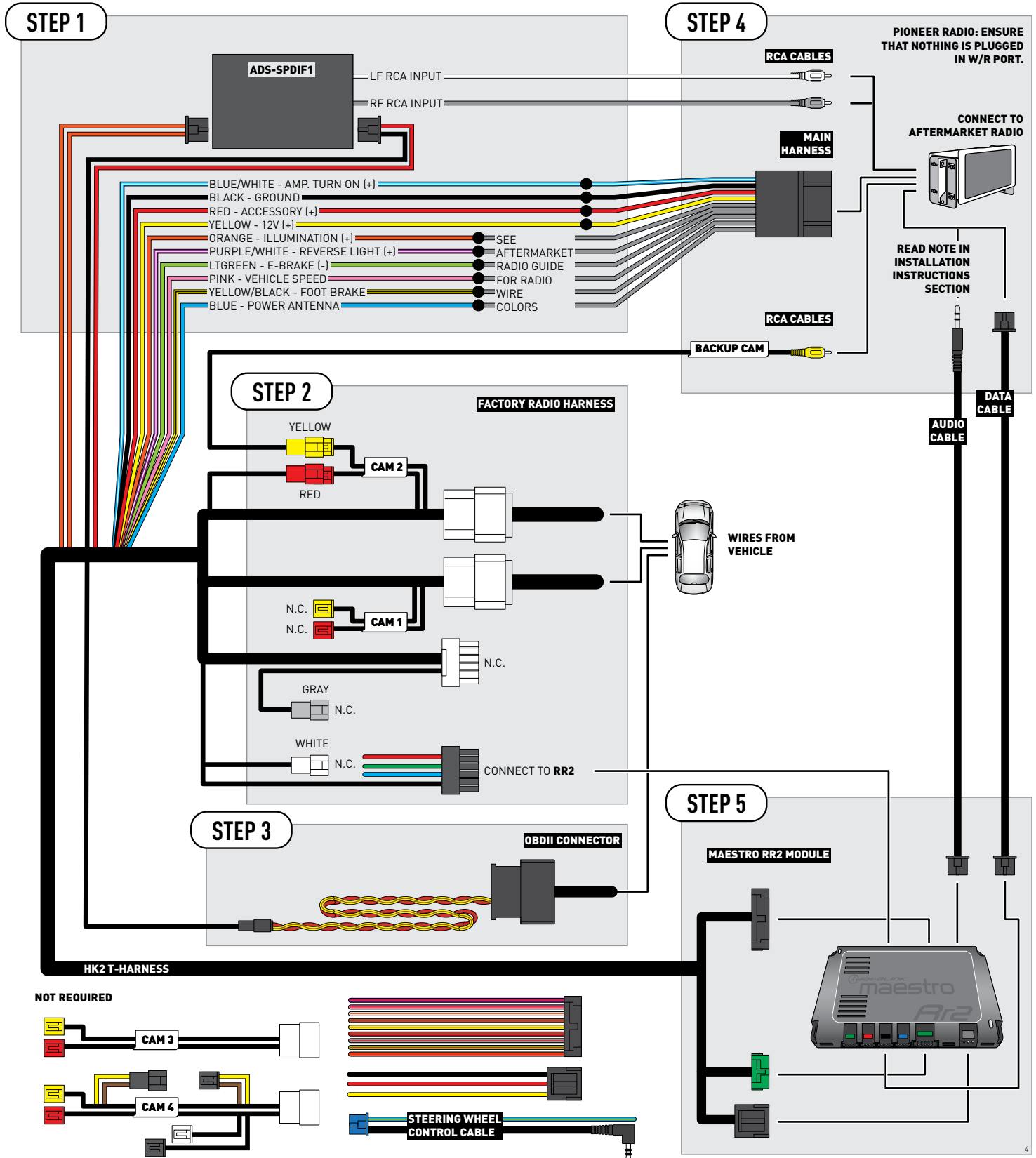
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

4

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	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
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Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

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- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

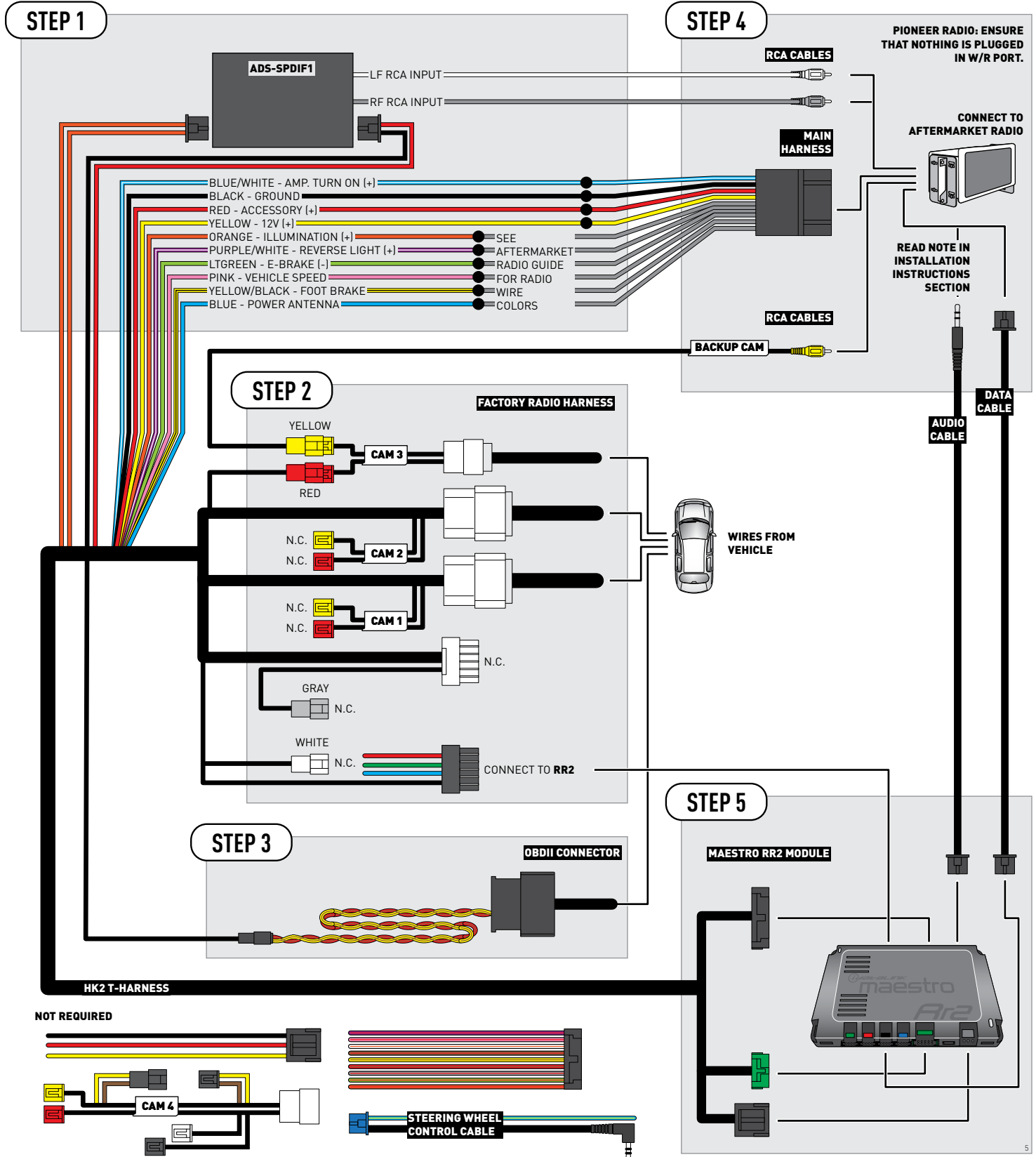
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Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
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Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
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- Connect the factory radio harness to the rHK2 T-harness.

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- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

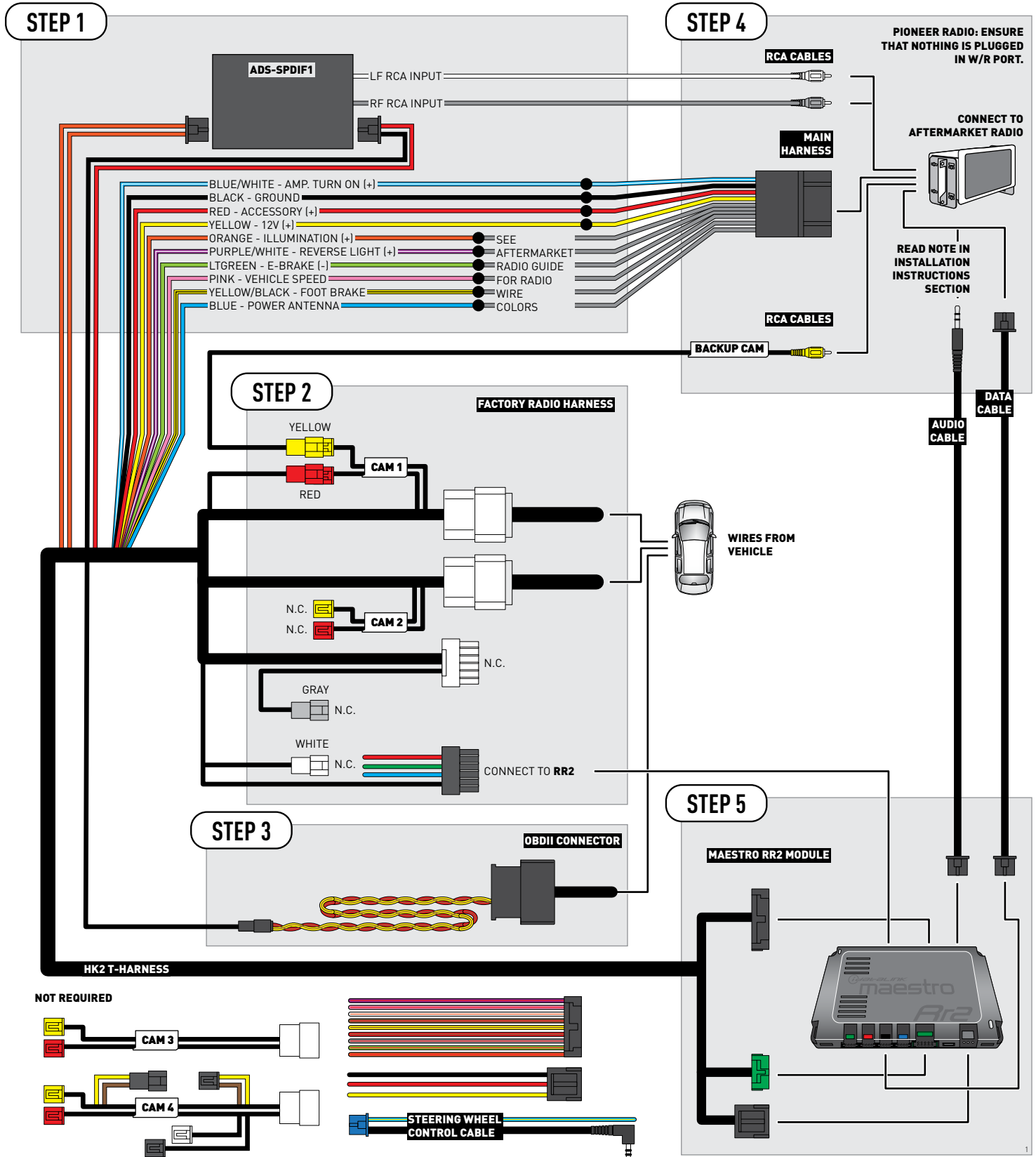
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Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
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- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram.
If there is an OEM camera, connect the backup cam RCA cable to the rHK2 CAM4 harness, as shown.
If equipped with 360 camera system: plug together the BLACK 2 pin (with brown and yellow wires) connectors (rHK2 CAM4 harness).
If not equipped with 360 camera system: do not plug the black 2 PIN (with brown and yellow wires) connectors.
- Connect the factory radio harness to the rHK2 T-harness.
- Connect the 6 pin BLACK connector from the rHK2 T-harness to the RR2 module.

STEP 3

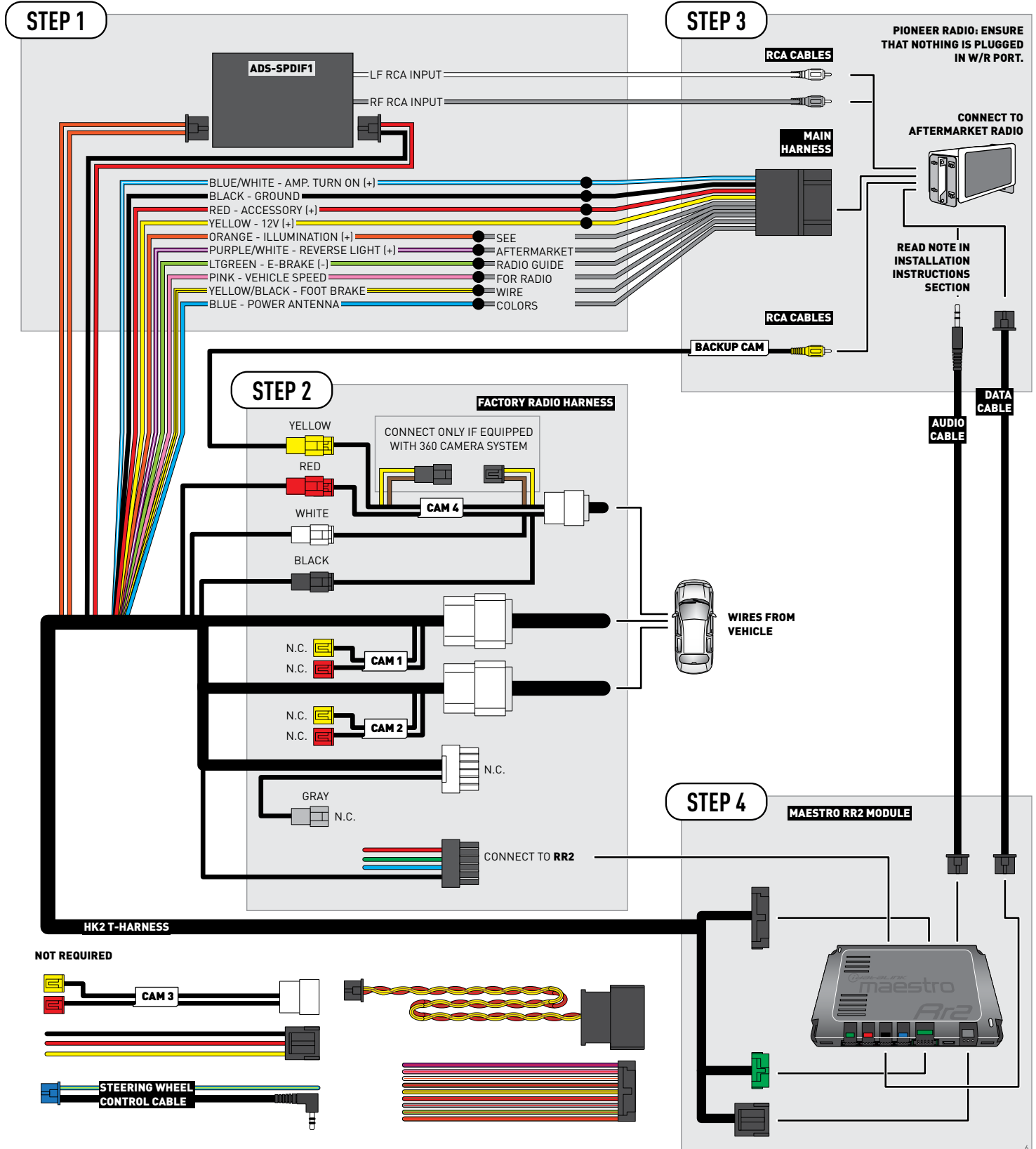
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Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 4

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work.	Ensure CAM4 connector is plugged into the vehicle. Ensure the Black 2 pin connector with the BROWN/RED and BROWN/YELLOW wires is plugged into the Black 2 pin connector from the rHK2 harness with the BROWN/RED and BROWN/YELLOW wires. Reset the RR.
The light on the Maestro is blinking RED TWICE .	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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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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- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
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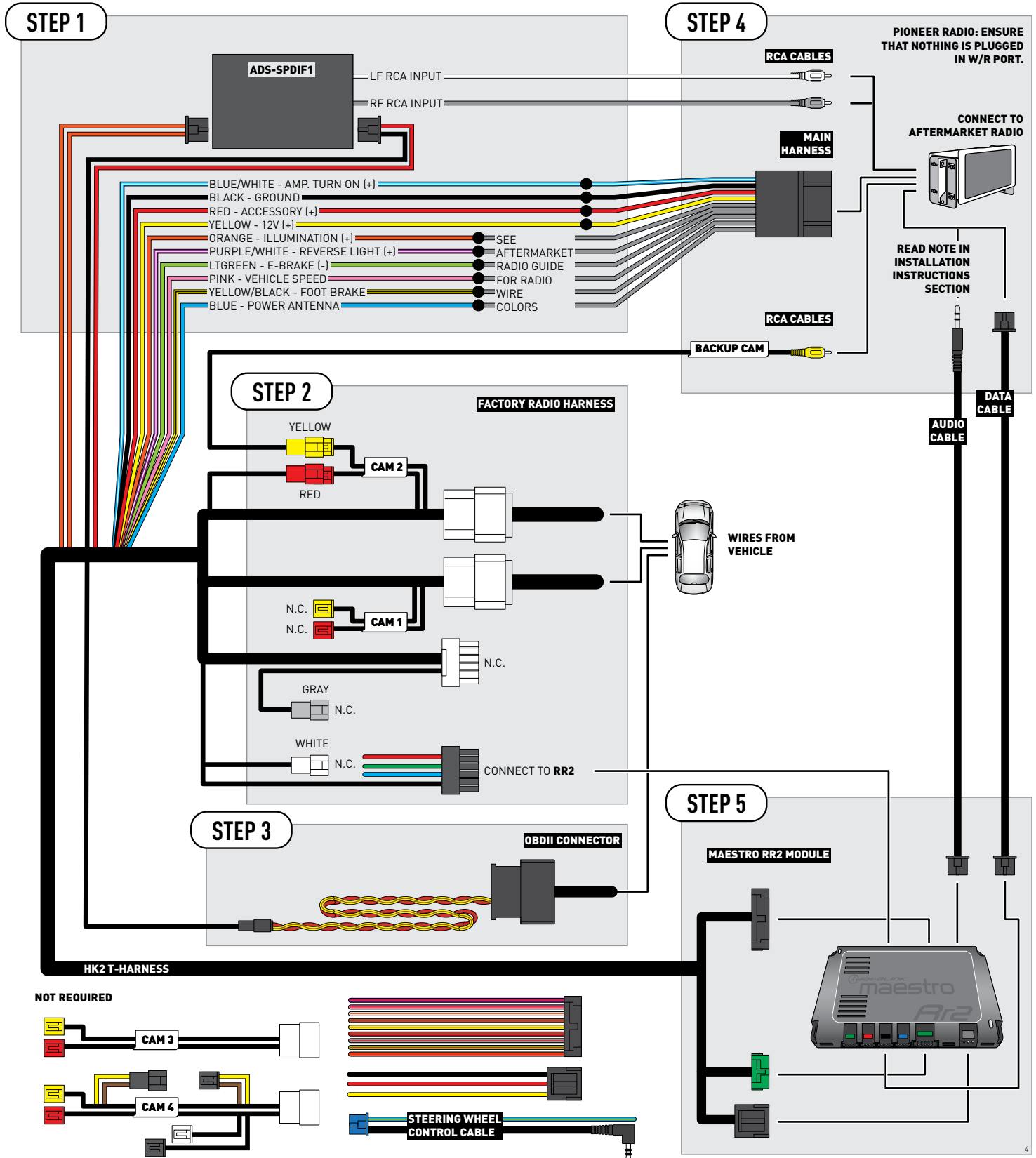
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The light on the Maestro is blinking RED TWICE .	<p>Ensure the 4-pin data cable is connected between the radio and the RR, and that it is plugged into the black port on the Maestro RR. The red and blue ports on the RR should be empty.</p> <p>Make sure 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.</p>
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RETAINS STEERING WHEEL CONTROLS, BACKUP CAMERA, GAUGES, AND MORE!



PRODUCTS REQUIRED

iDataLink Maestro RR2 Radio Replacement Interface
iDataLink Maestro HRN-RR-HK2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-HK01-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

uHK1/uHK2
SAT1/SAT2
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NEED HELP?

 1 866 427-2999

 maestro.support@idatalink.com

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Cut and remove the OBDII connector on the OBDII harness.
- Locate the 30 pin CAN Gateway harness in the radio cavity (attached to the subframe behind the radio on the driver's side). Locate the SOLID WHITE wire and SOLID BLACK wire (pinned on top of each other).
- Connect RED/BROWN wire (rHK2) to WHITE wire.
- Connect YELLOW/BROWN (rHK2) to BLACK wire.

Note: DO NOT cut the WHITE and the BLACK wires.

STEP 4

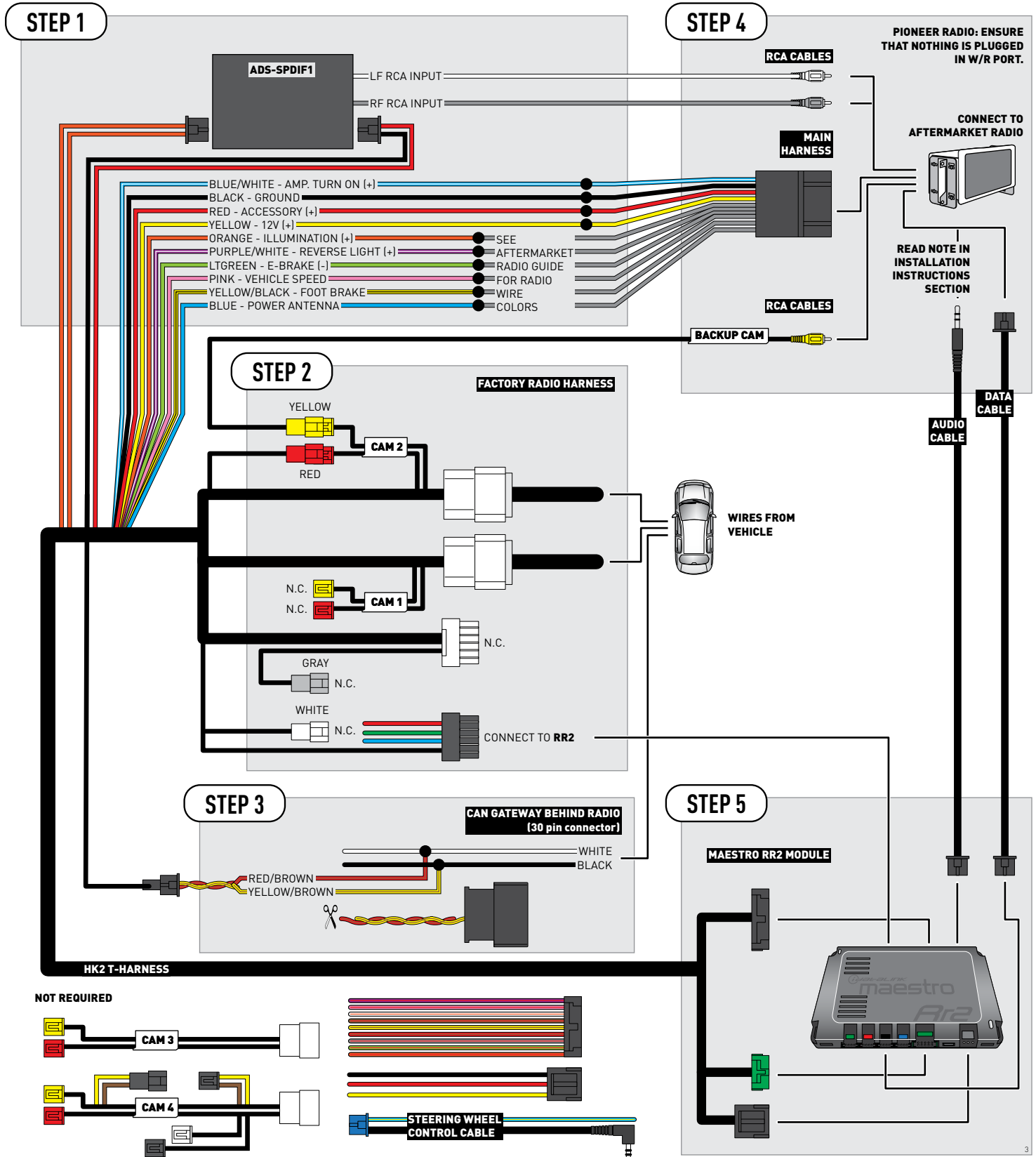
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 5

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure the BROWN/RED wire of the rHK2 harness is connected to WHITE wire of the CAN gateway connector, in the radio cavity.</p> <p>Ensure the BROWN/YELLOW wire of the rHK2 harness is connected to BLACK wire of the CAN gateway connector, in the radio cavity.</p> <p>Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

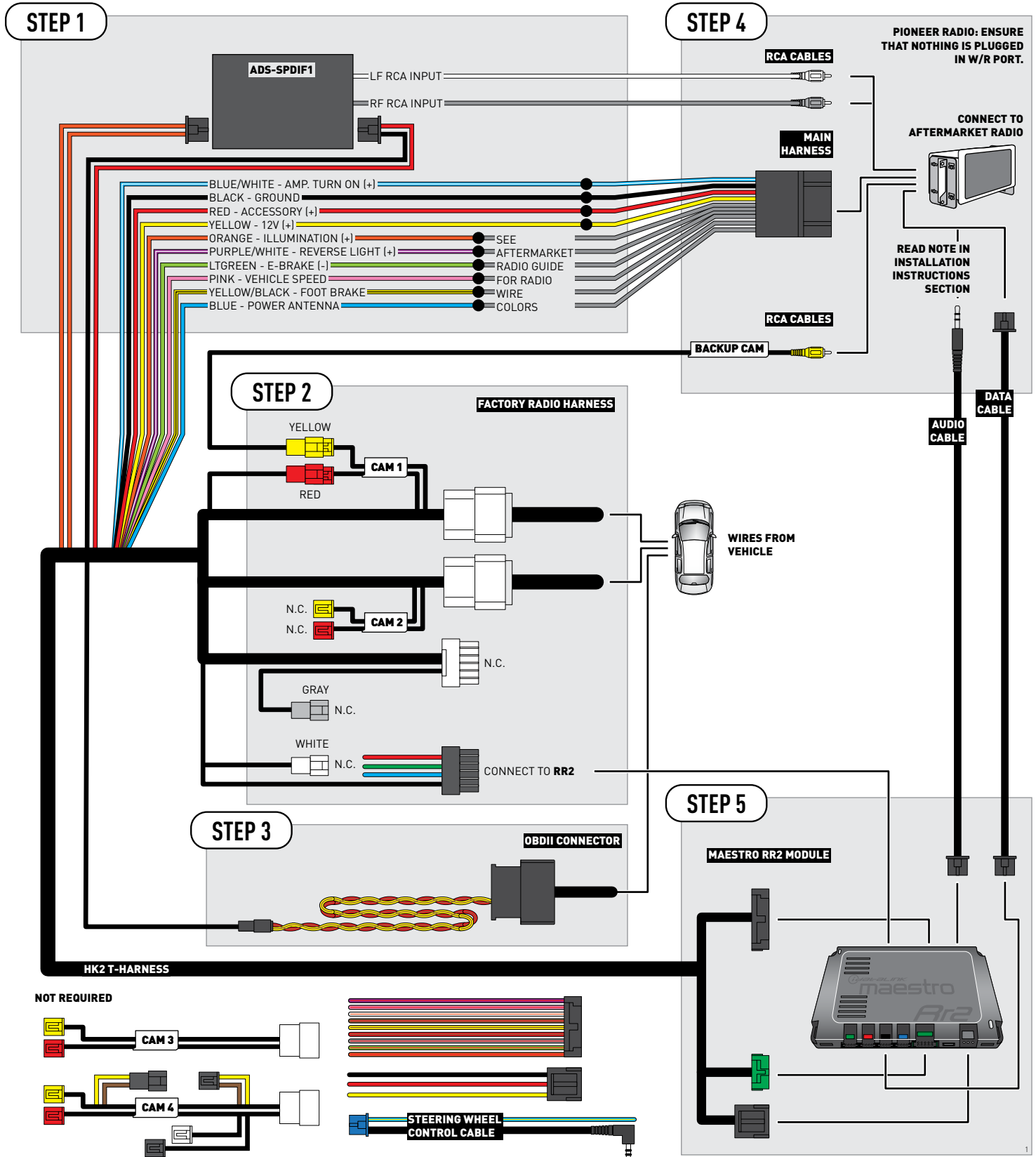
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

1

WIRING DIAGRAM



RADIO WIRE REFERENCE CHART

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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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2014-2017

KIA SOUL

WITH NAV WITH AMP

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- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram.
If there is an OEM camera, connect the backup cam RCA cable to the rHK2 CAM4 harness, as shown.
If equipped with 360 camera system: plug together the BLACK 2 pin (with brown and yellow wires) connectors (rHK2 CAM4 harness).
If not equipped with 360 camera system: do not plug the black 2 PIN (with brown and yellow wires) connectors.
- Connect the factory radio harness to the rHK2 T-harness.
- Connect the 6 pin BLACK connector from the rHK2 T-harness to the RR2 module.

STEP 3

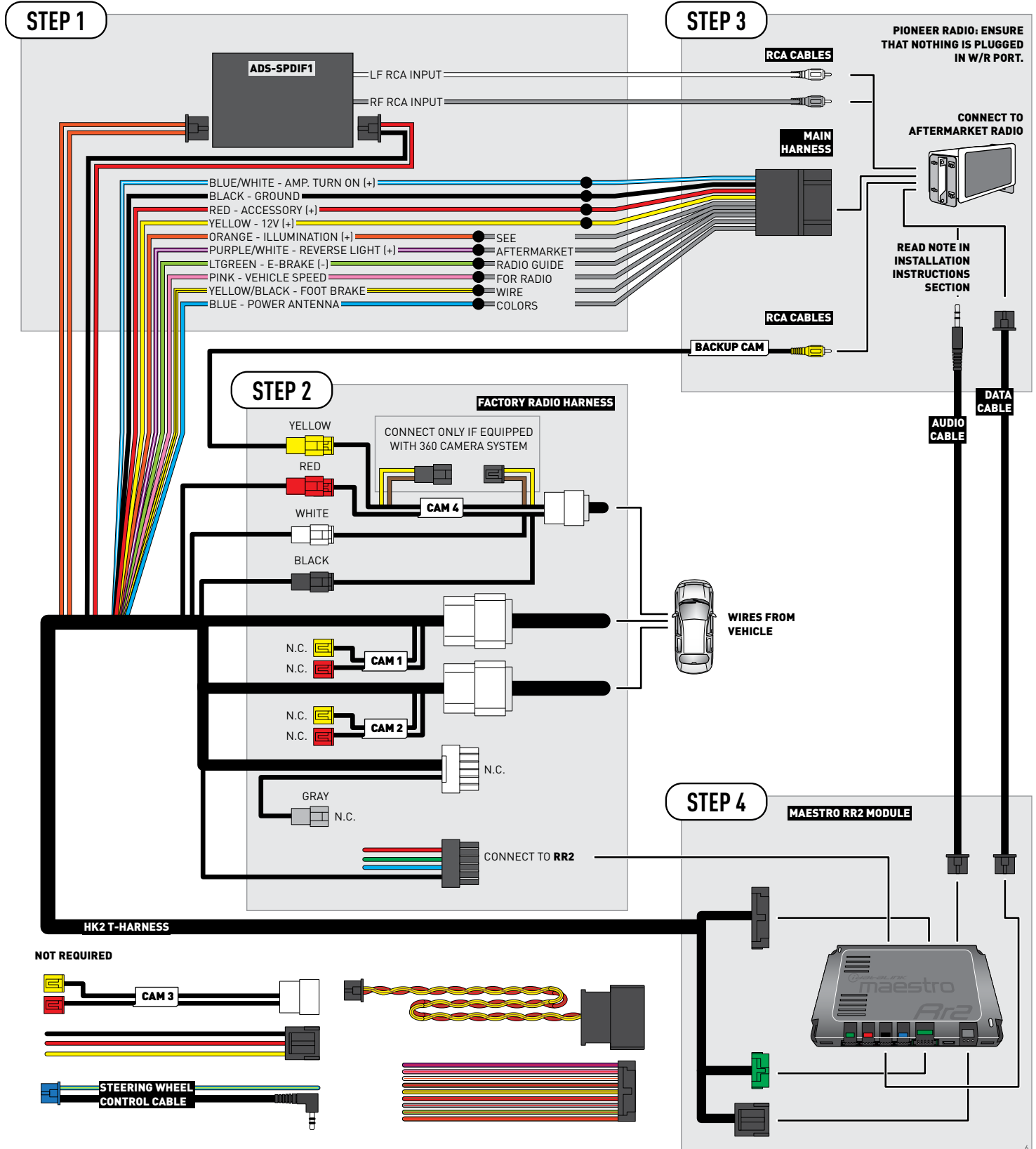
- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 4

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work.	Ensure CAM4 connector is plugged into the vehicle. Ensure the Black 2 pin connector with the BROWN/RED and BROWN/YELLOW wires is plugged into the Black 2 pin connector from the rHK2 harness with the BROWN/RED and BROWN/YELLOW wires. Reset the RR.
The light on the Maestro is blinking RED TWICE .	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 flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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2014-2016

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WITHOUT NAV WITH AMP

RETAINS STEERING WHEEL CONTROLS, BACKUP CAMERA, GAUGES, AND MORE!



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ADDITIONAL RESOURCES

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INSTALLATION INSTRUCTIONS

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
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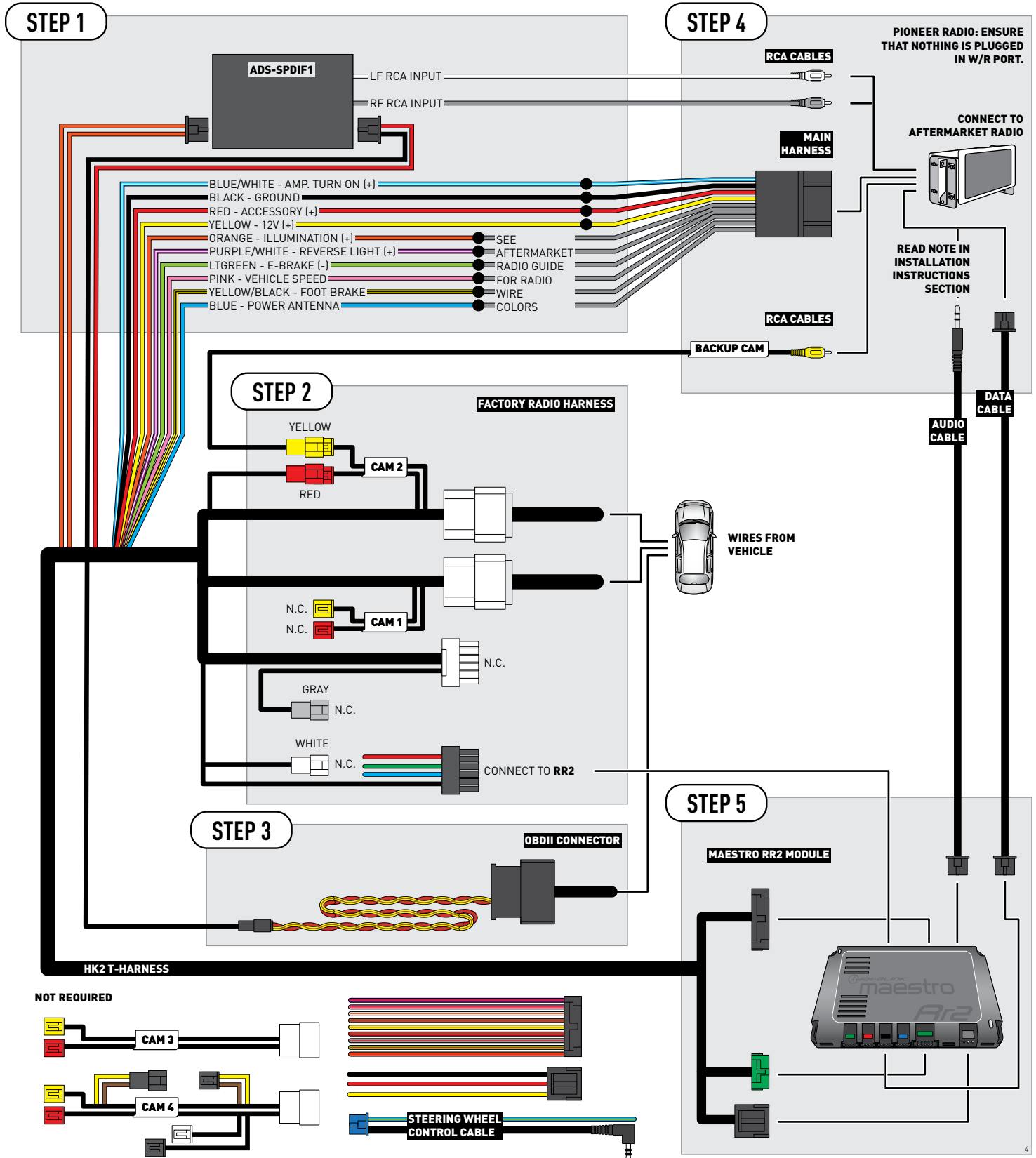
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

4

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	Wire Color on Sony cable
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
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TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

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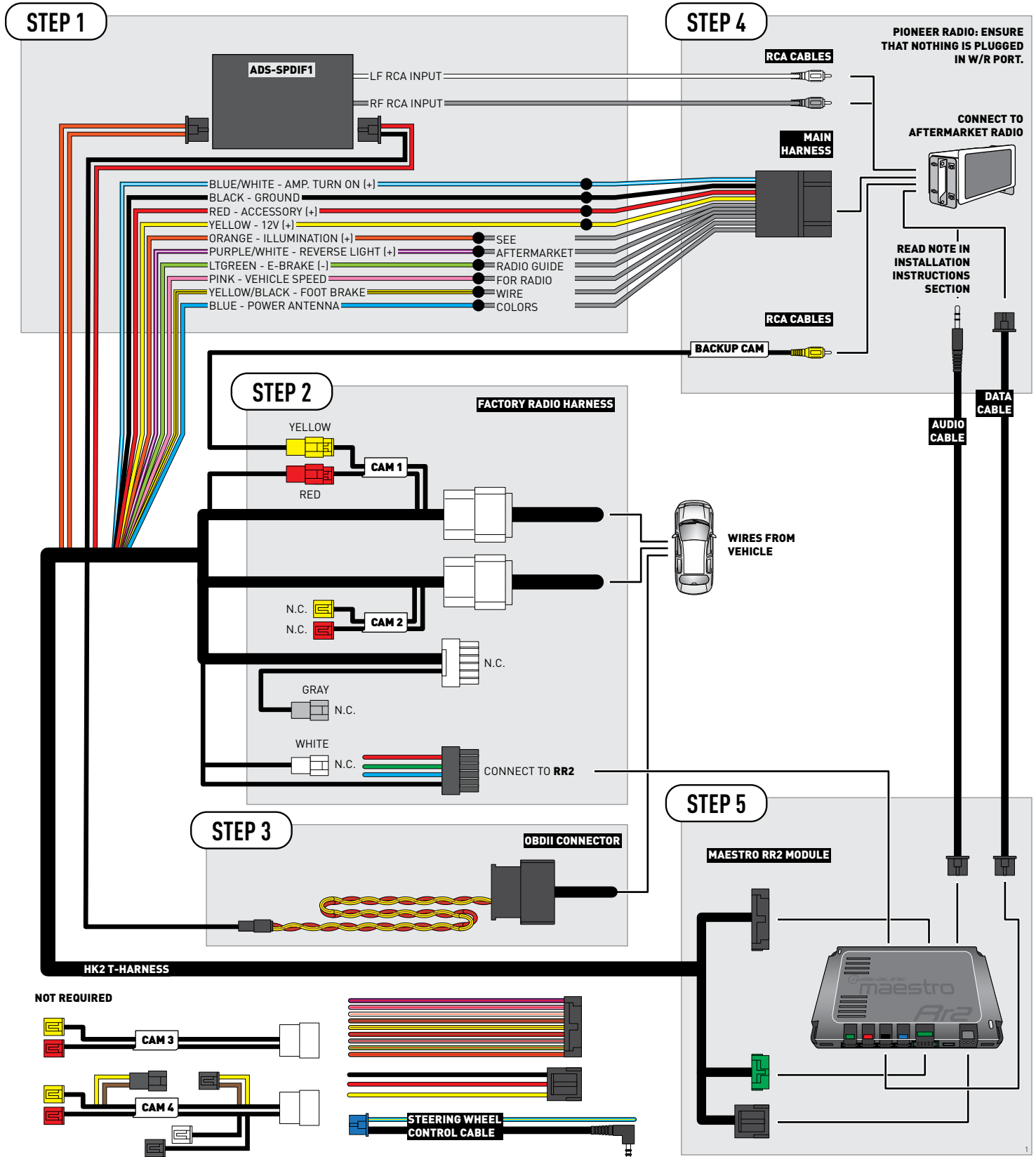
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IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.

RETAINS STEERING WHEEL CONTROLS, BACKUP CAMERA, GAUGES, AND MORE!



PRODUCTS REQUIRED

iDataLINK Maestro RR2 Radio Replacement Interface
iDataLINK Maestro HRN-RR-HK2 Installation Harness

PROGRAMMED FIRMWARE

ADS-RR(SR)-HK01-DS

ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

OPTIONAL ACCESSORIES

K40[™]
ELECTRONICS
ESCORT

uHK1/uHK2
SAT1/SAT2
NAV1/NAV2

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

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

NEED HELP?

 1 866 427-2999

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INSTALLATION INSTRUCTIONS

BEFORE INSTALLING

uHK1/uHK2 is REQUIRED to retain illumination on the buttons on the audio/climate control panel.

STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram.
If there is an OEM camera, connect the backup cam RCA cable to the rHK2 CAM4 harness, as shown.
If equipped with 360 camera system: plug together the BLACK 2 pin (with brown and yellow wires) connectors (rHK2 CAM4 harness).
If not equipped with 360 camera system: do not plug the black 2 PIN (with brown and yellow wires) connectors.
- Connect the factory radio harness to the rHK2 T-harness.
- Connect the Audio/Climate Control plug (rHK2 harness) to the OEM Audio/Climate Control dash panel that was (unplugged when removing OEM radio).
- Connect the GRAY 2 pin connector of the Audio/Climate Control plug (rHK2 harness) to the Gray 2 pin connector of the uHK1/uHK2 USB adapter.
- Connect the 6 pin BLACK connector from the rHK2 T-harness to the RR2 module.

STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).

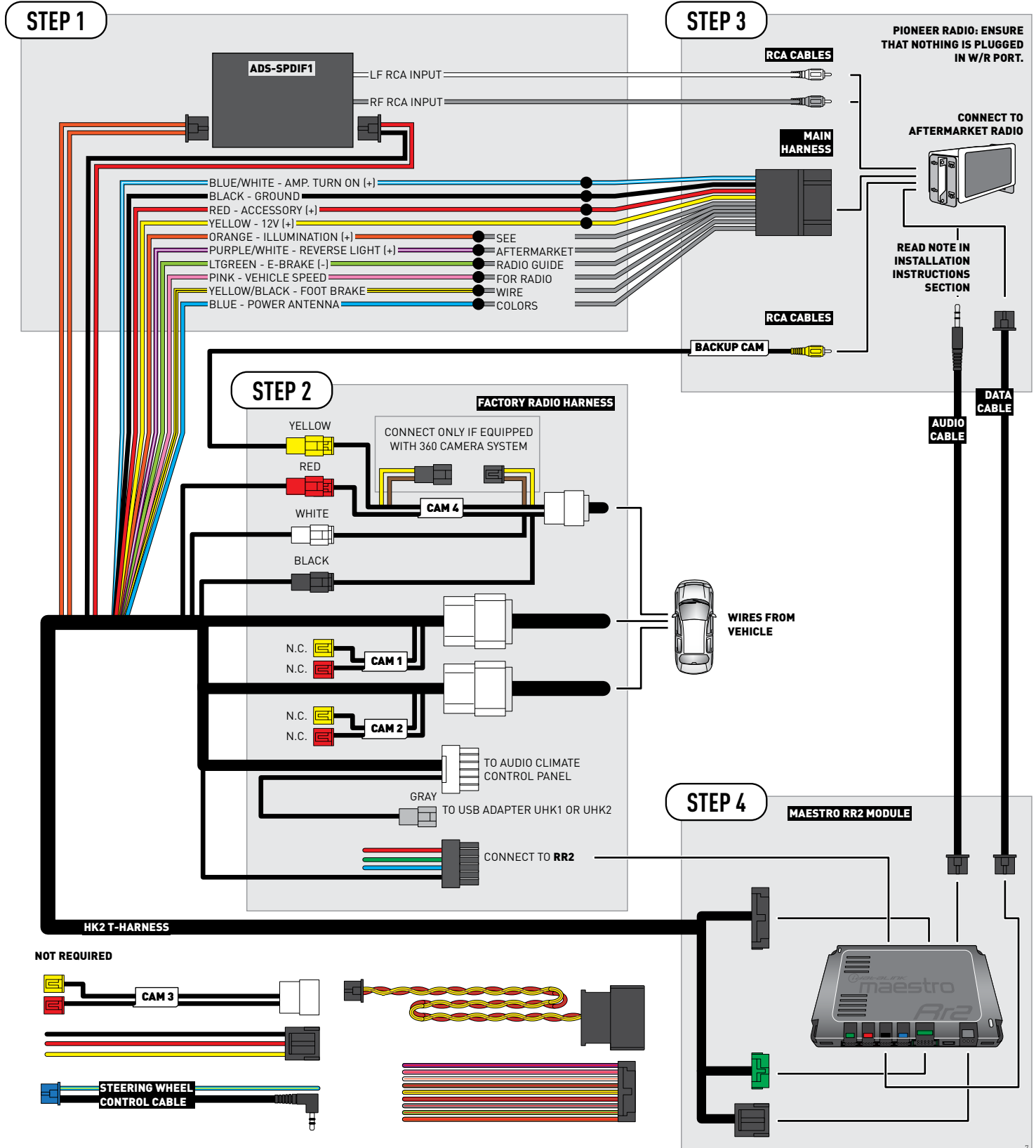
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

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

STEP 4

- Connect all the harnesses to the Maestro RR2 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	Wire Color on Sony cable
Illumination	(+)	Orange	N/A	Orange/White	Orange/White	Orange
Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work.	<p>Ensure CAM4 connector is plugged into the vehicle.</p> <p>Ensure the Black 2 pin connector with the BROWN/RED and BROWN/YELLOW wires is plugged into the Black 2 pin connector from the rHK2 harness with the BROWN/RED and BROWN/YELLOW wires.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

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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STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the rHK2 T-harness and match the wire functions.
- Connect the rHK2 T-harness and the RCA cables to the ADS-SPDIF1.

Note: Isolate (tape) unused wires, if applicable.

STEP 2

- Remove the factory radio.
- Assemble the rHK2 T-harness as shown in wiring diagram (If there is an OEM camera, connect the backup cam rca cable to the rHK2 T-harness, as shown).
- Connect the factory radio harness to the rHK2 T-harness.

STEP 3

- Plug the male BLACK 2 pin connector of the rHK2 T-harness into the OBDII harness.
- Plug the OBDII connector into the OBDII of the vehicle, located under the driver side dash.

STEP 4

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the RCA cables in the front RCA outputs of the radio.
- Plug the backup camera RCA into the aftermarket radio's backup camera input (if applicable).
- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio (If there is no iDatalink audio input, connect to AUX).

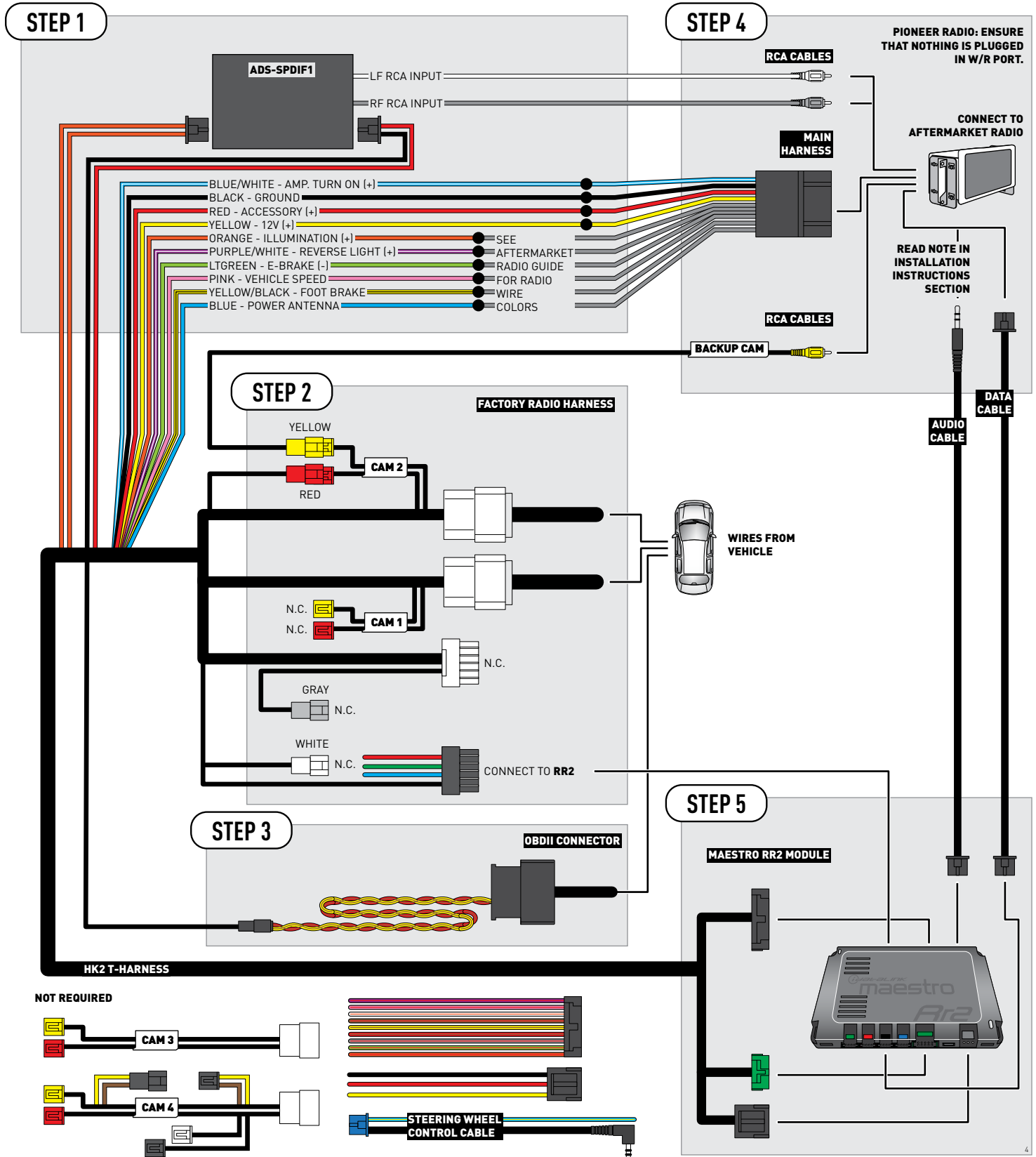
Note: On Pioneer radio, ensure that there is nothing plugged into the W/R port.

STEP 5

- Connect all the harnesses to the Maestro RR2 module then test your installation.

4

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	Wire Color on Sony cable
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A
Power Antenna	(+)	Blue	Blue	Blue	N/A	Blue

TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
Gauges do not work, radio shows OBD2 Error 1 or Error 2.	<p>Ensure OBDII connector is securely attached to the OBDII connector of the vehicle.</p> <p>If you hardwired connections at the OBDII, check connections at the OBDII connector. Make sure the BROWN/RED wire is on PIN 6 and the BROWN/YELLOW wire is connected to PIN 14 of the OBDII connector. Do not use T-Taps. Soldering or military splicing methods are recommended.</p> <p>Reset the RR.</p>
The light on the Maestro is blinking RED TWICE .	<p>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.</p> <p>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.</p>
The light on the Maestro is flashing RED ONCE .	There is no firmware on the module; flash the RR module.

MAESTRO RR RESET PROCEDURE:

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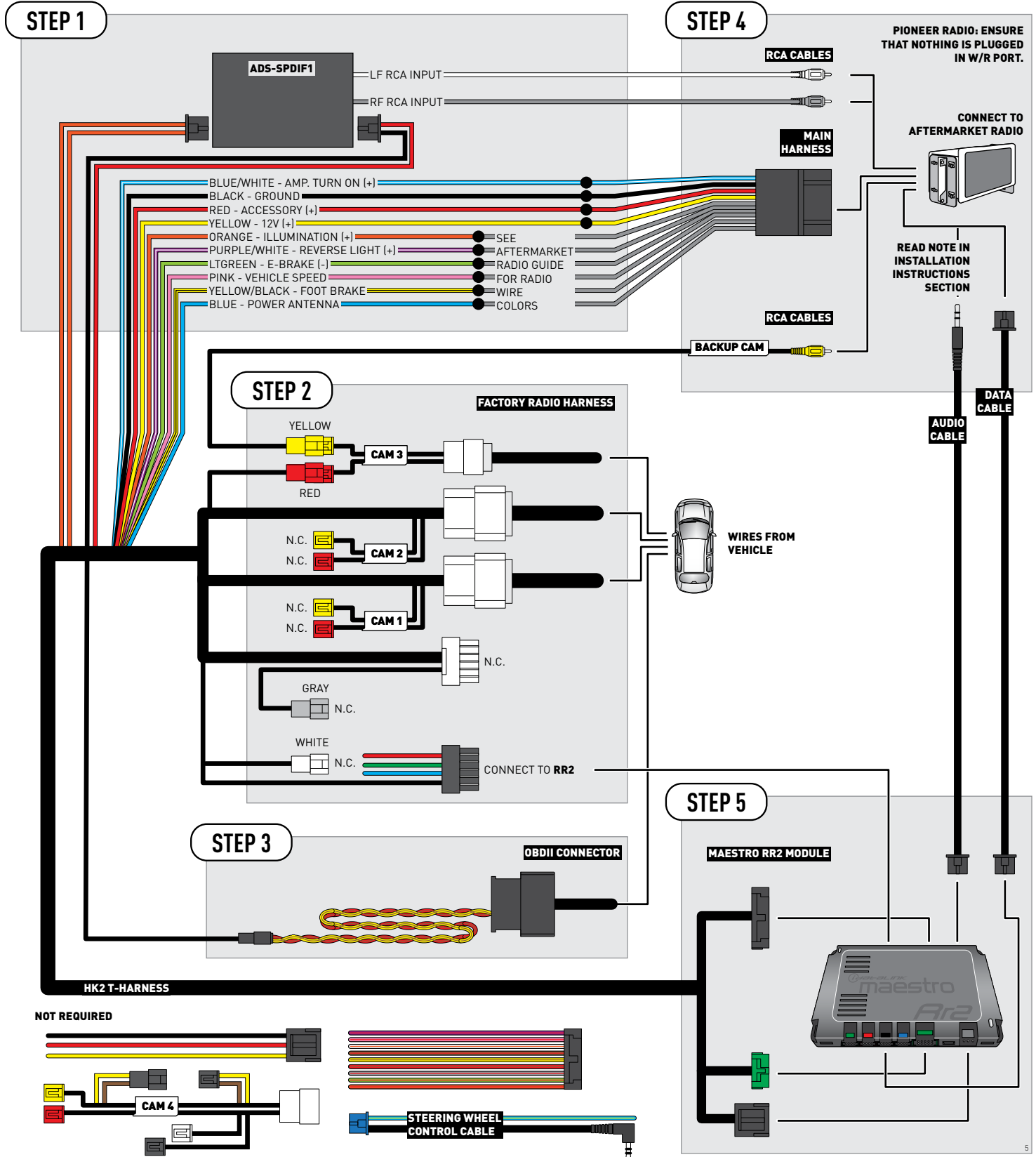
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