



## 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, AND MORE!



#### PRODUCTS REQUIRED

iDatalink Maestro RR or RR2 Radio Replacement Interface  
iDatalink Maestro HRN-RR-TO3 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY03-DS

#### ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

#### OPTIONAL ACCESSORIES



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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

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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 T03 T-harness and match the wire functions (Note: Rear speaker wire connections are not required).
- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-harness.

## STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

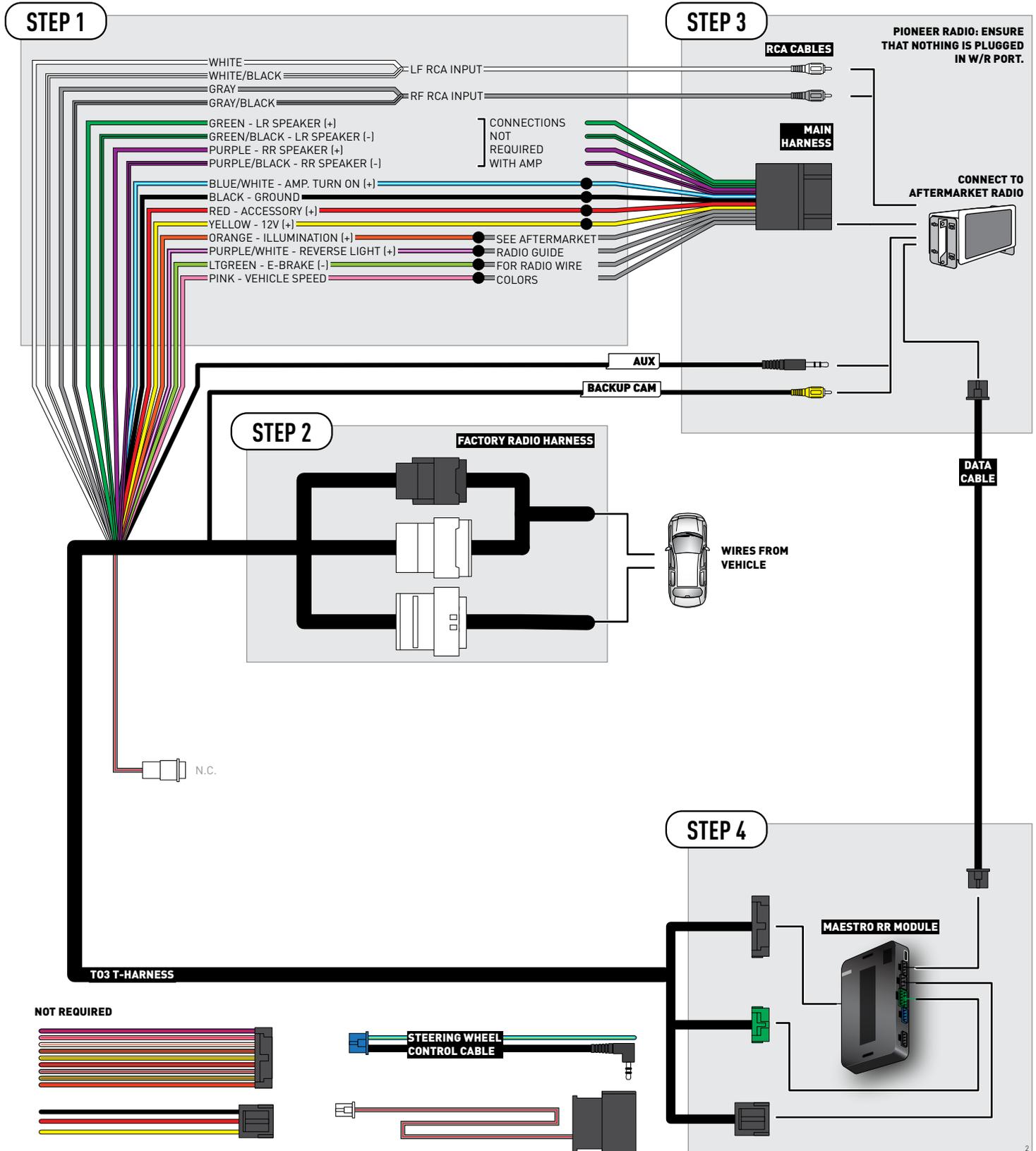
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *with JBL*



# 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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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	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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 <b>RED ONCE</b> .	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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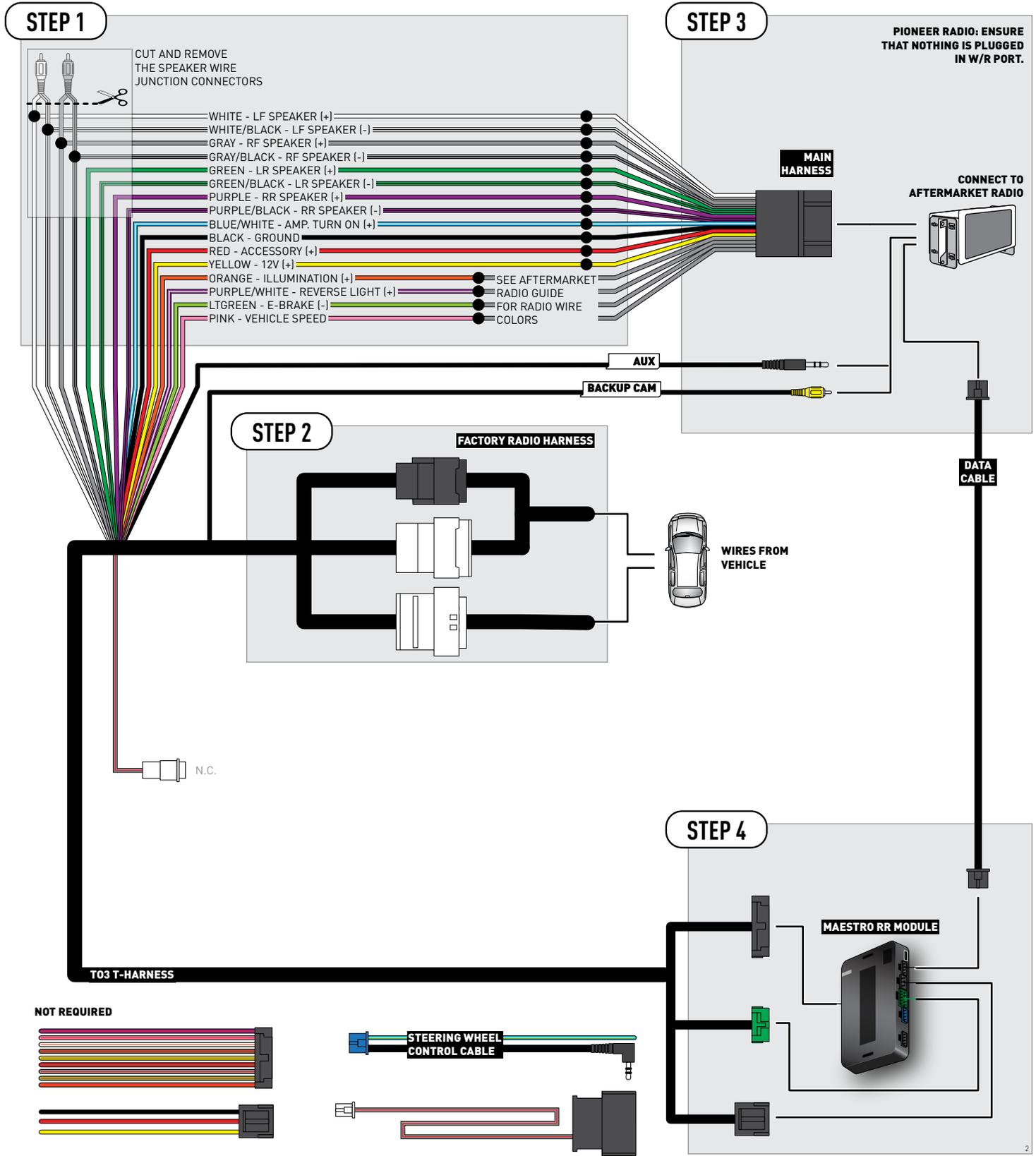
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**On Pioneer radio, ensure that there is nothing plugged into the W/R port.**

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# WIRING DIAGRAM *without JBL*



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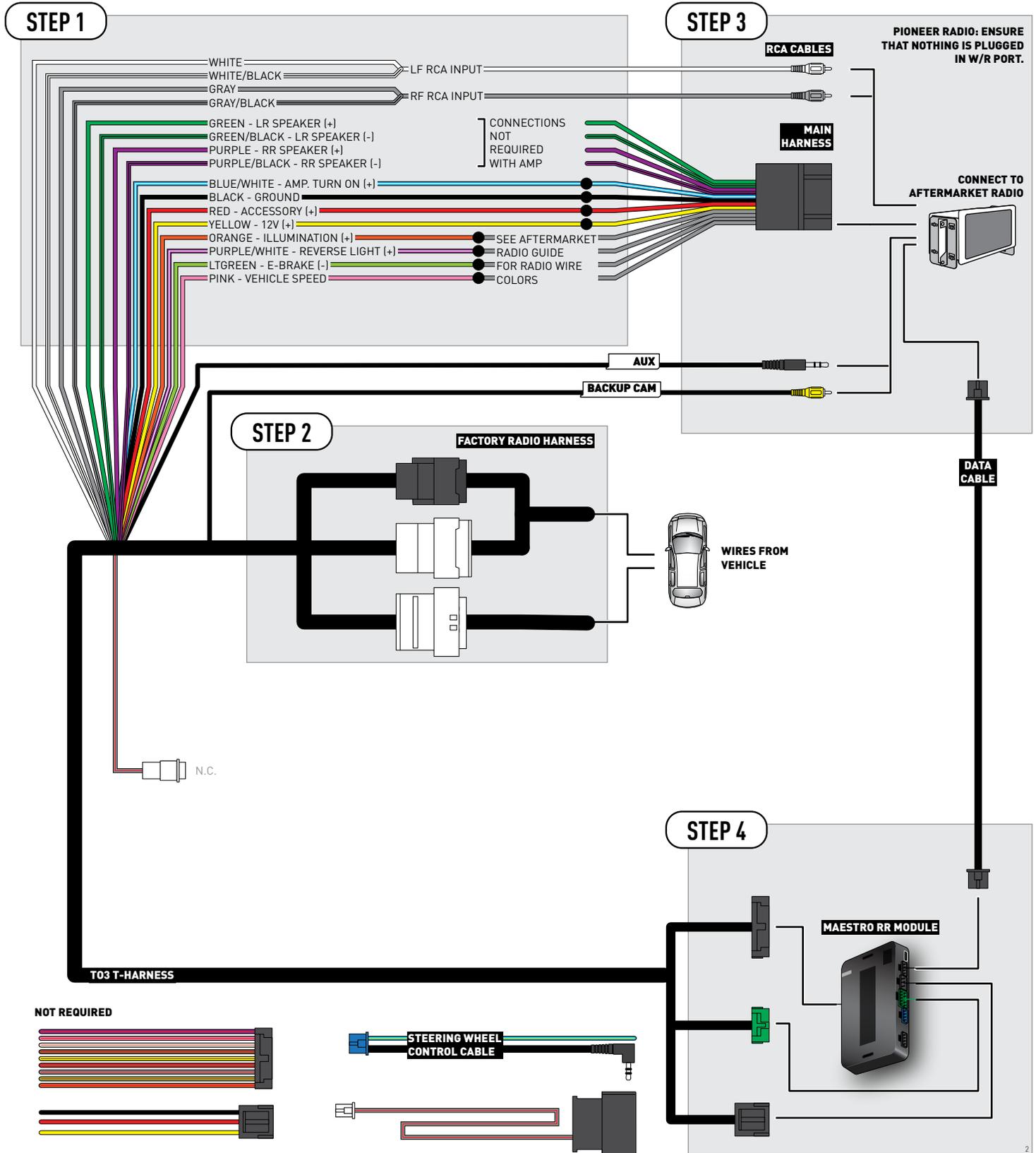
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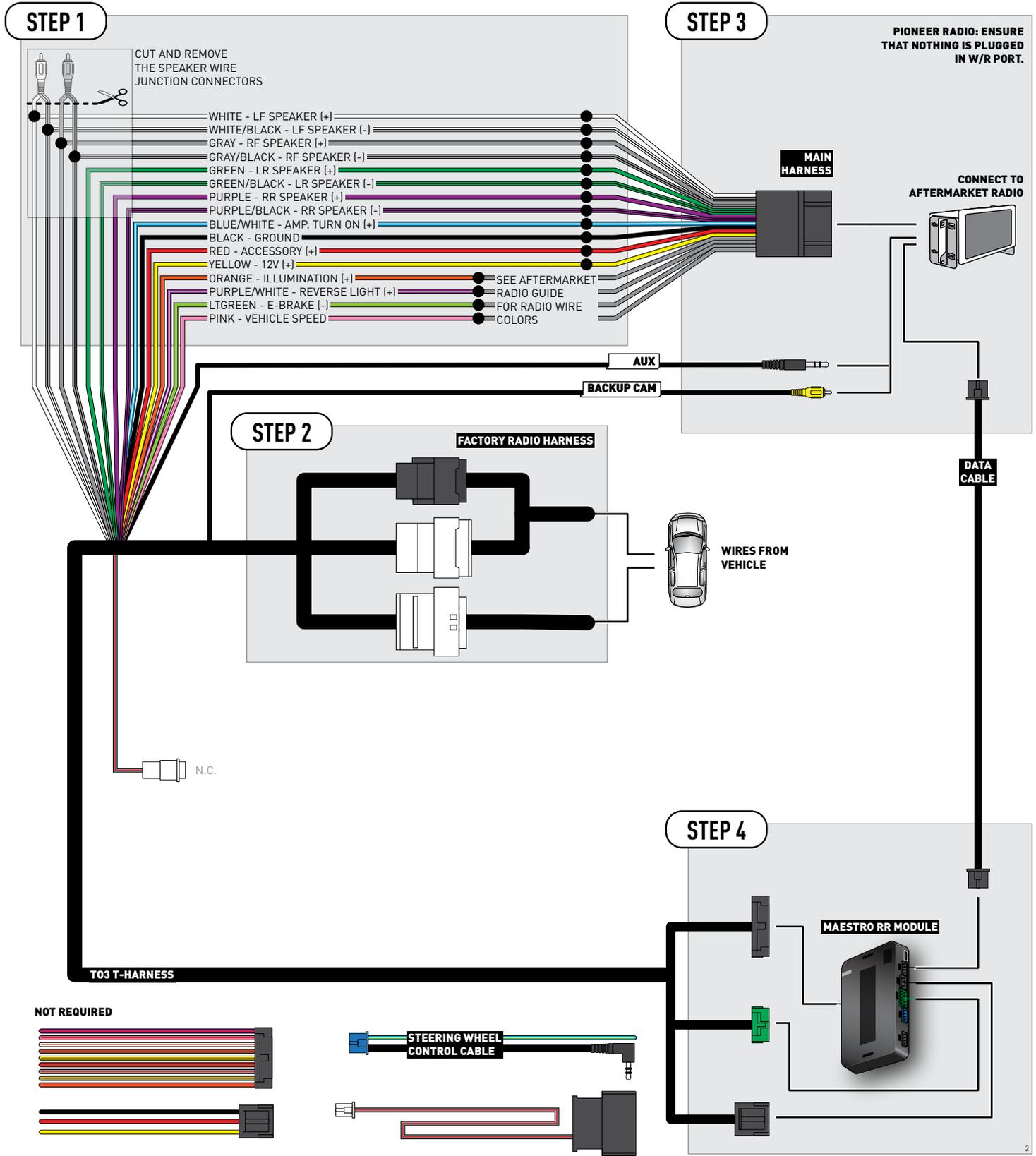
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# WIRING DIAGRAM *without JBL*



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2018

TOYOTA C-HR

WITH CARPLAY WITH JBL

RETAINS STEERING WHEEL CONTROLS, BACKUP CAMERA, AND MORE!



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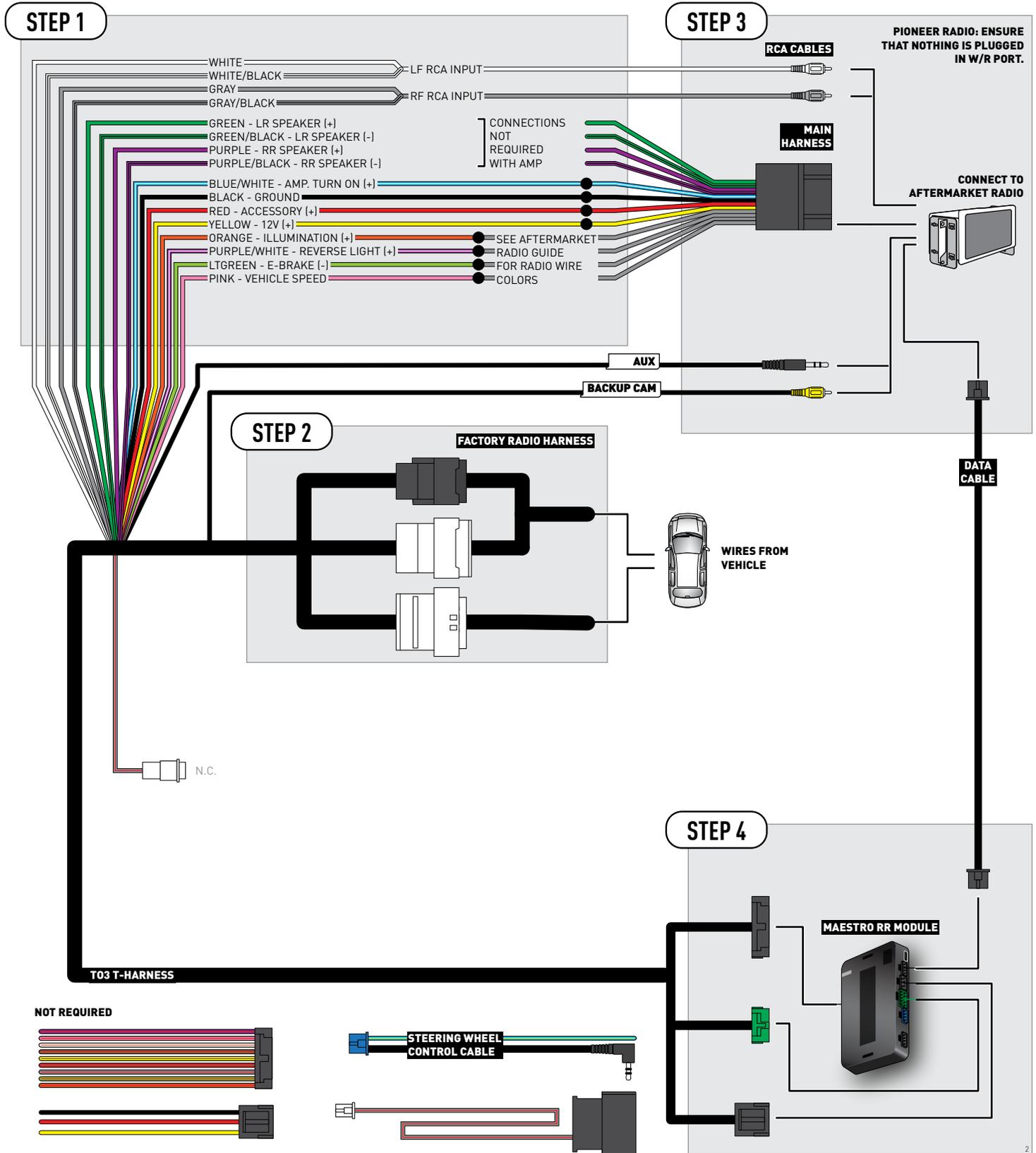
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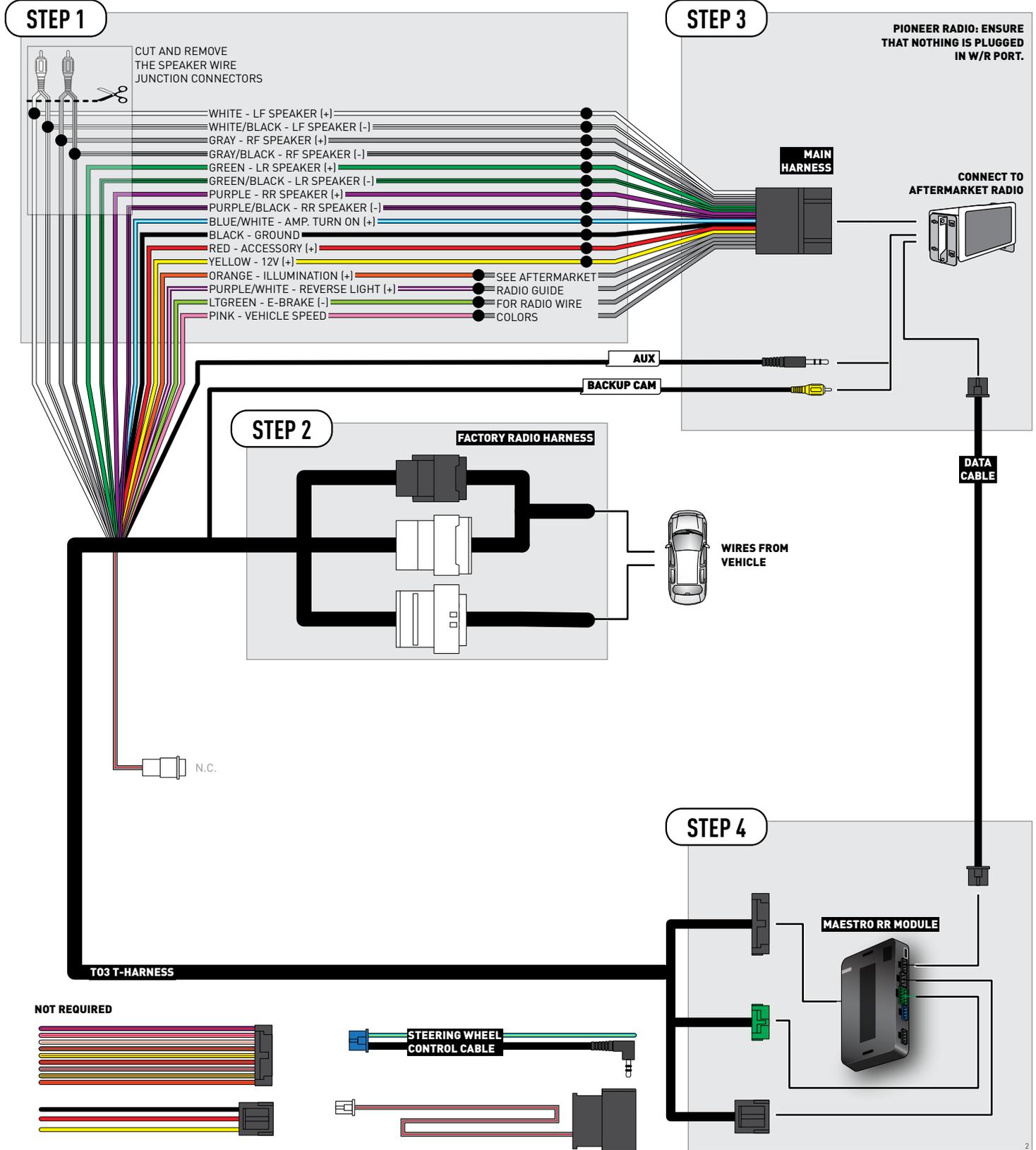
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Press and hold the module's programming button and connect all the connectors back to the module. Wait, the module's LED will flash RED rapidly (this may take up to 10 seconds).

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

## TECHNICAL ASSISTANCE

Phone: 1-866-427-2999

Email: [maestro.support@idatalink.com](mailto: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.**

RETAINS STEERING WHEEL CONTROLS, BACKUP CAMERA, AND MORE!



#### PRODUCTS REQUIRED

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iDatalink Maestro HRN-RR-TO3 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY03-DS

#### ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

#### OPTIONAL ACCESSORIES



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# WELCOME

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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 T03 T-harness and match the wire functions (Note: Rear speaker wire connections are not required).
- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-harness.

## STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

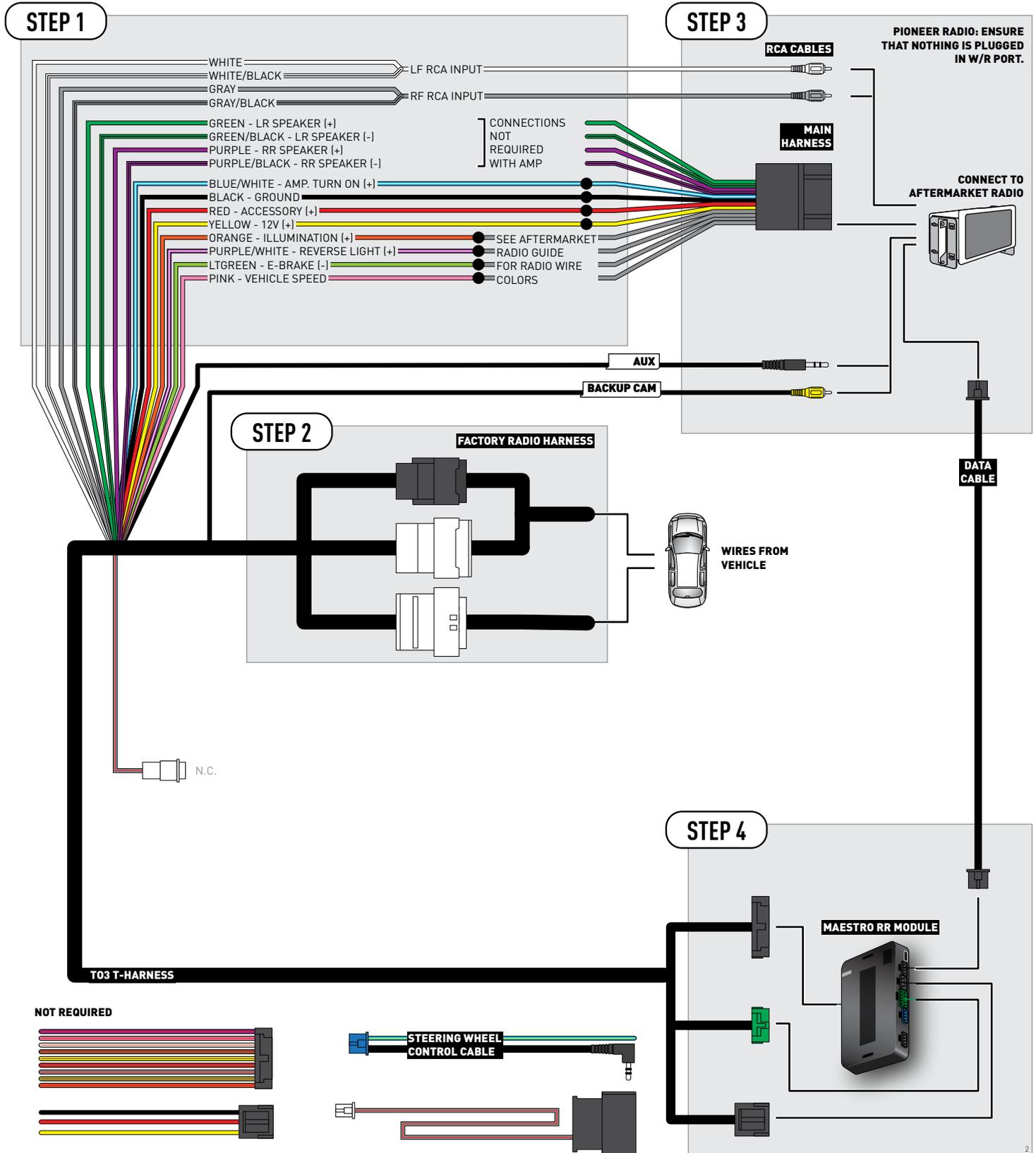
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *with JBL*



# 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	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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 <b>RED ONCE</b> .	There is no firmware on the module; flash the RR module.

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Turn the key to the OFF position, then disconnect all connectors from the module.  
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- Cut and remove the front speaker wire junction connectors.
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- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-harness.

## STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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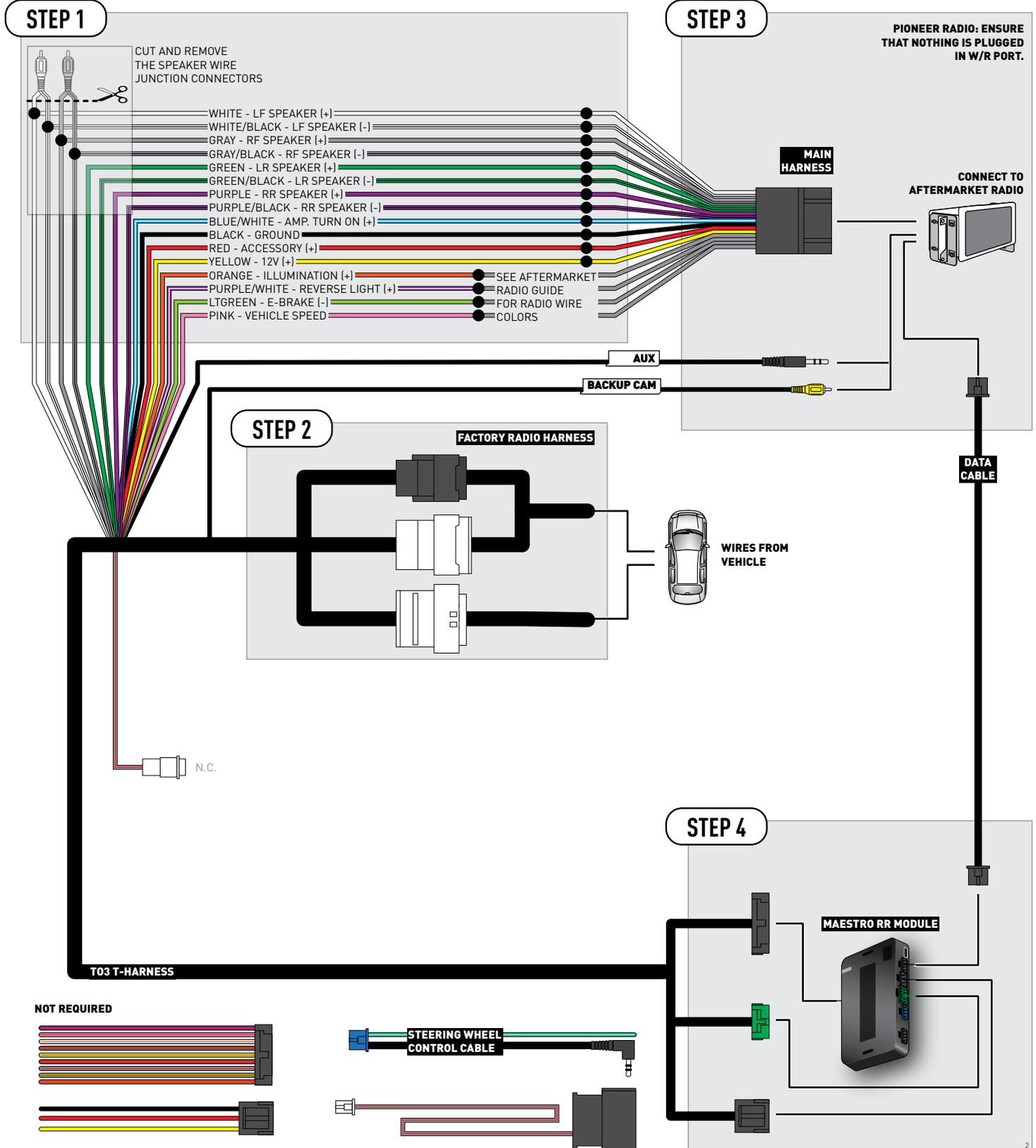
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *without JBL*



# 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	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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 <b>RED ONCE</b> .	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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**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

**K40**<sup>™</sup>  
ELECTRONICS  
**ESCORT**

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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?

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- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-harness.

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- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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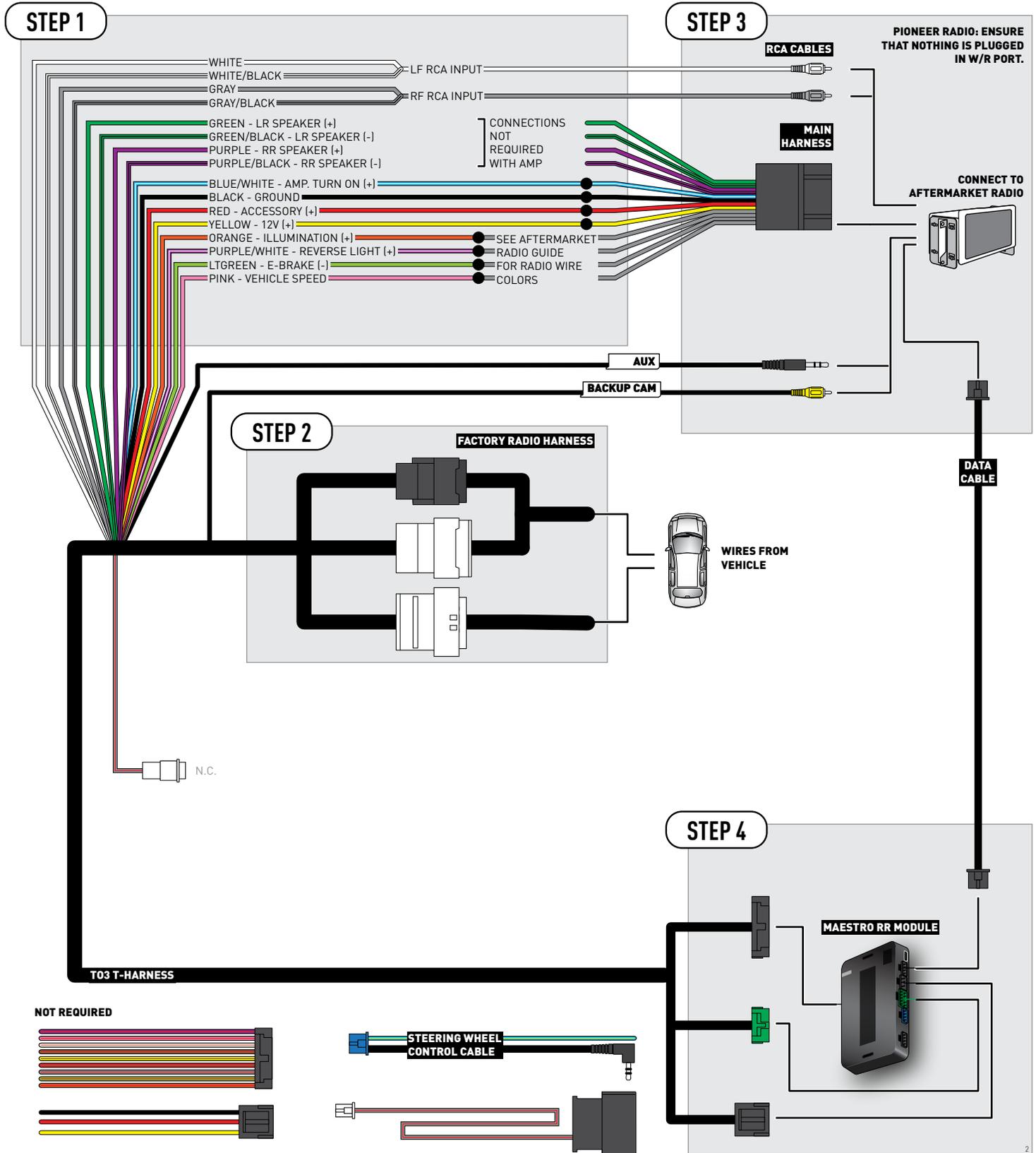
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *with JBL*



# 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
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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 <b>RED ONCE</b> .	There is no firmware on the module; flash the RR module.

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



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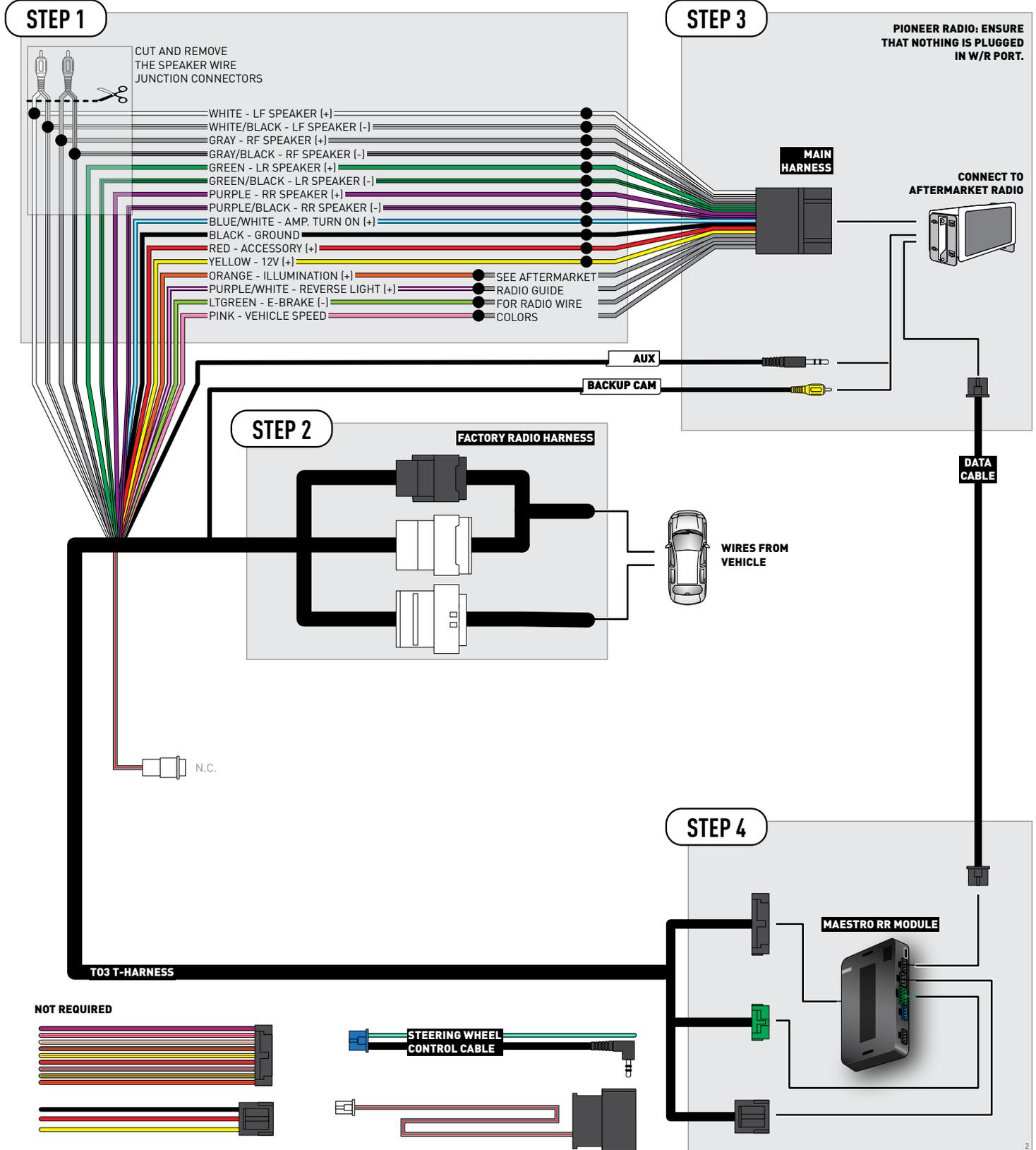
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *without JBL*



# 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

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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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2019-2021

TOYOTA COROLLA HATCHBACK  
WITH JBL

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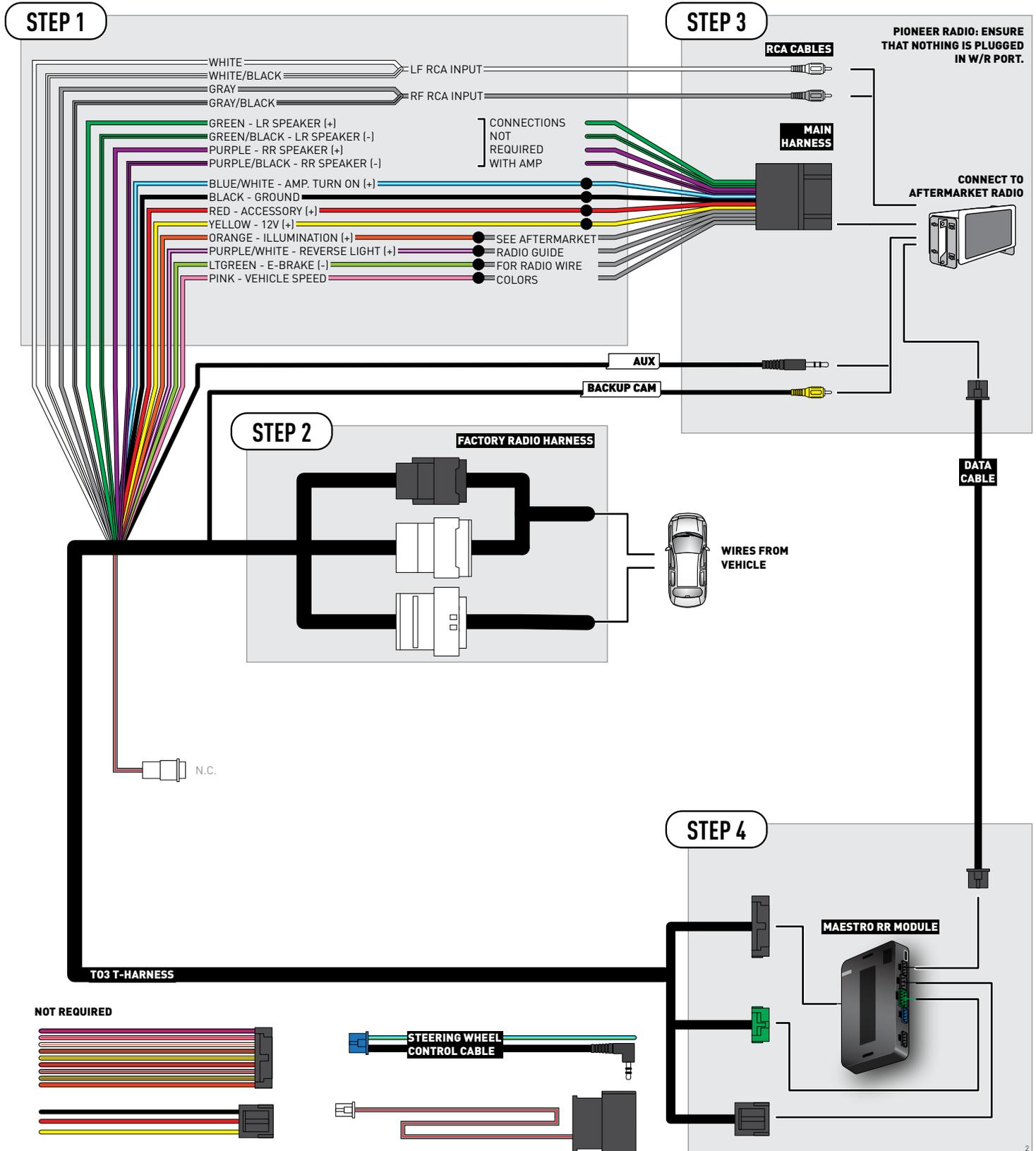
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *with JBL*



# 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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PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	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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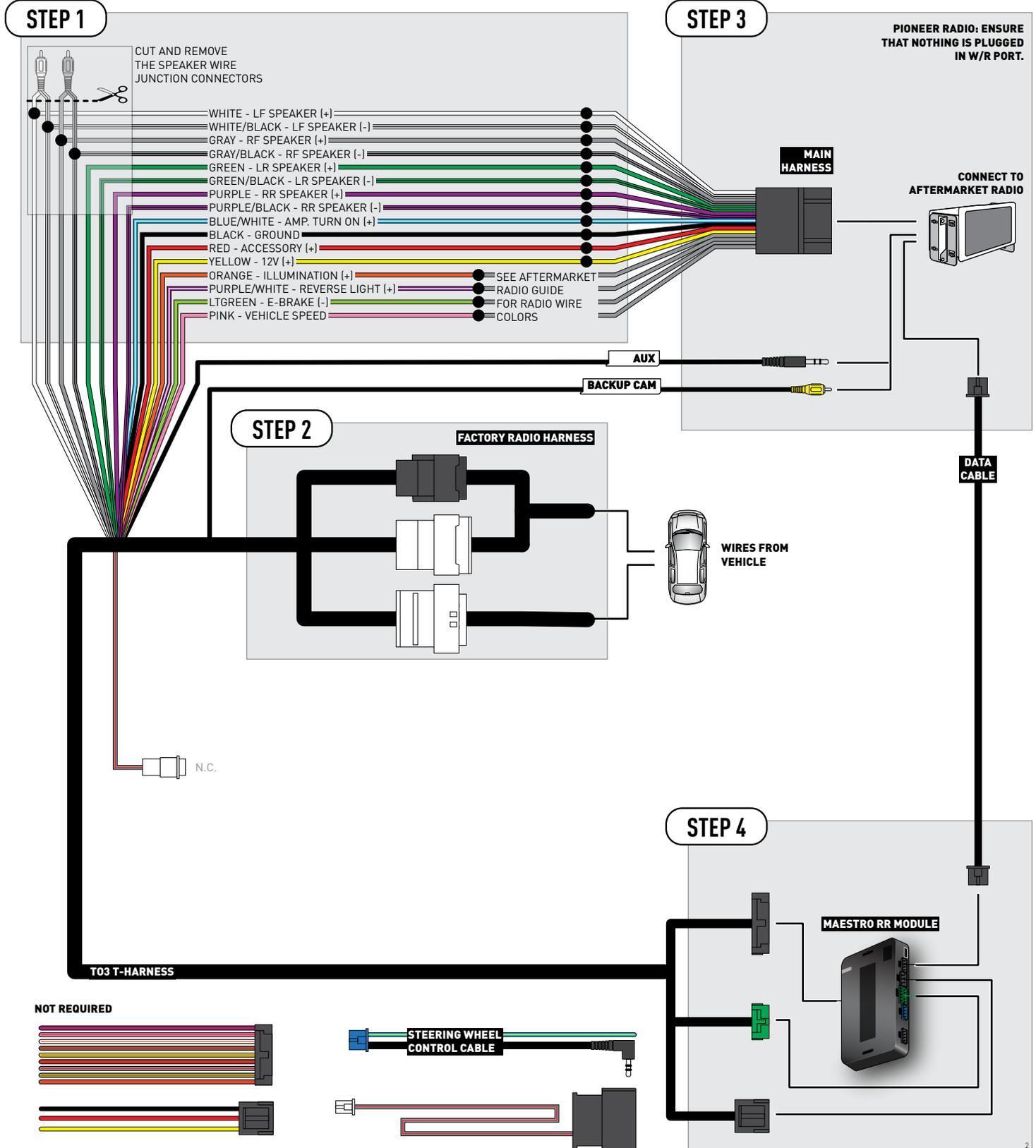
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *without JBL*



# 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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# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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 <b>RED ONCE</b> .	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

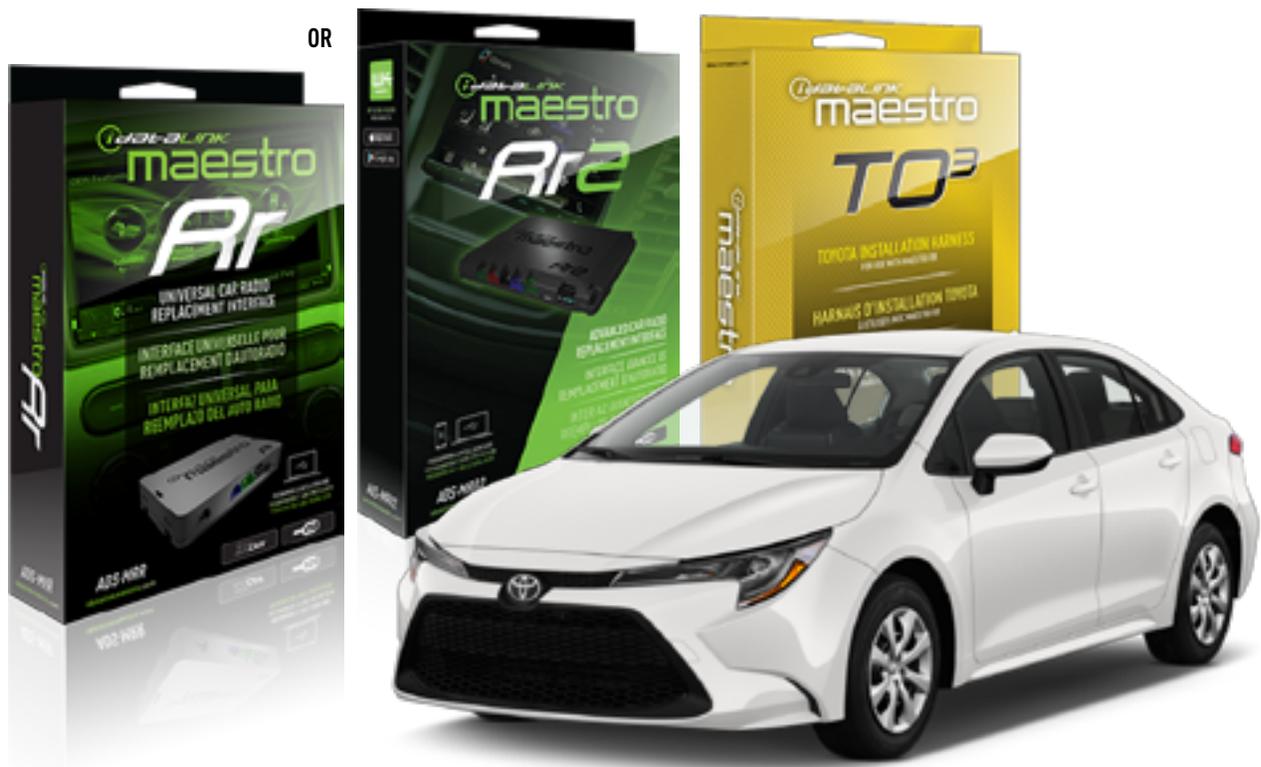
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**IMPORTANT: To ensure proper operation, the aftermarket radio needs to have the latest firmware from the manufacturer. Please visit the radio manufacturer's website and look for any updates pertaining to your radio.**

RETAINS STEERING WHEEL CONTROLS, BACKUP CAMERA, AND MORE!



#### PRODUCTS REQUIRED

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iDatalink Maestro HRN-RR-TO3 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY03-DS

#### ADDITIONAL RESOURCES

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#### OPTIONAL ACCESSORIES



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# NEED HELP?

 1 866 427-2999

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## STEP 1

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- Connect the wires shown on the next page from aftermarket radio main harness to the T03 T-harness and match the wire functions (Note: Rear speaker wire connections are not required).
- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-harness.

## STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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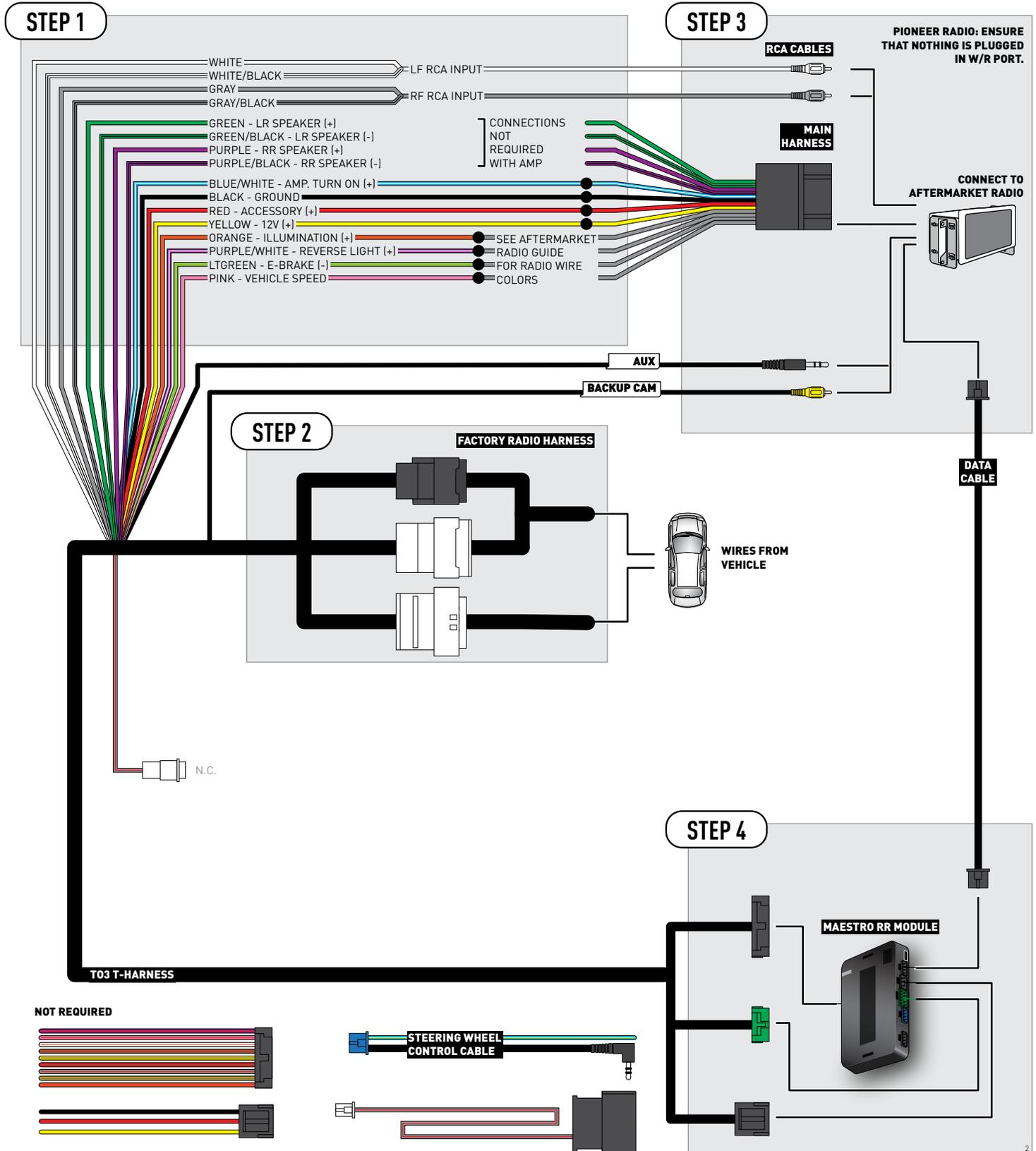
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *with JBL*



# 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
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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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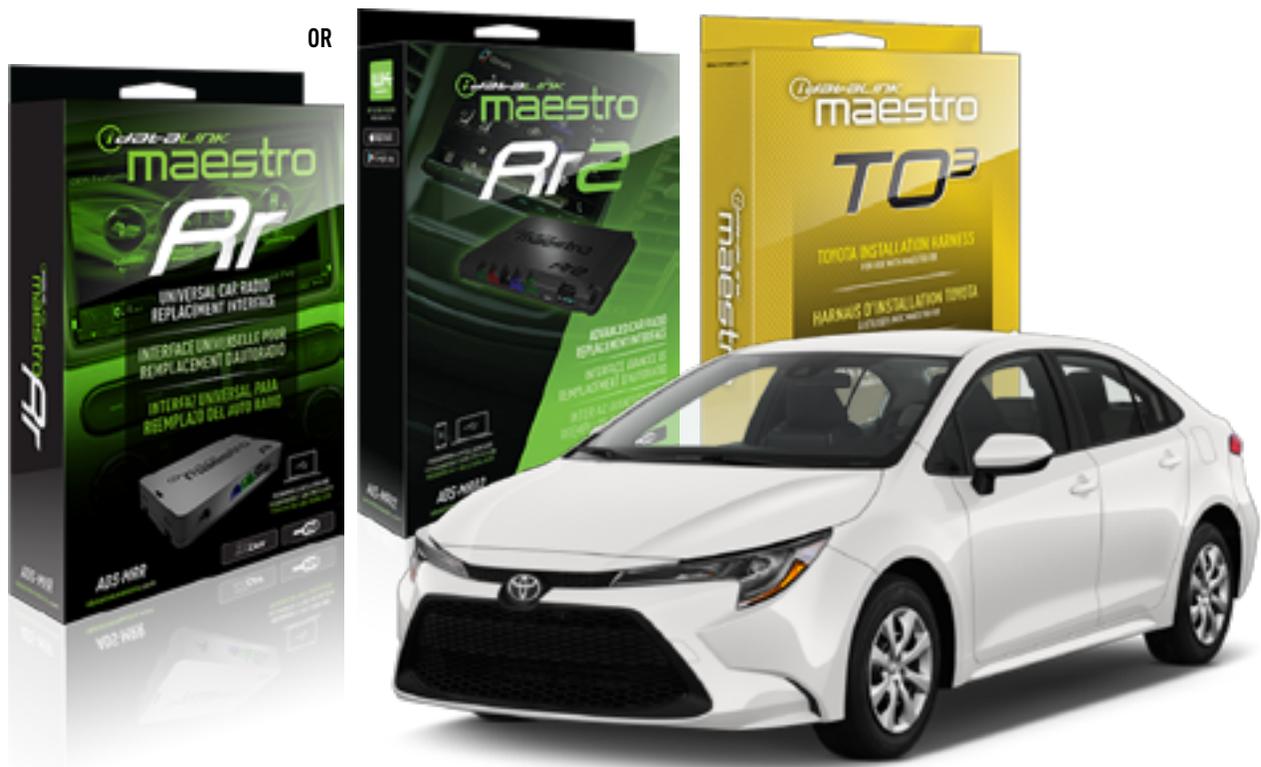
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#### ADDITIONAL RESOURCES

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- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-harness.

## STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
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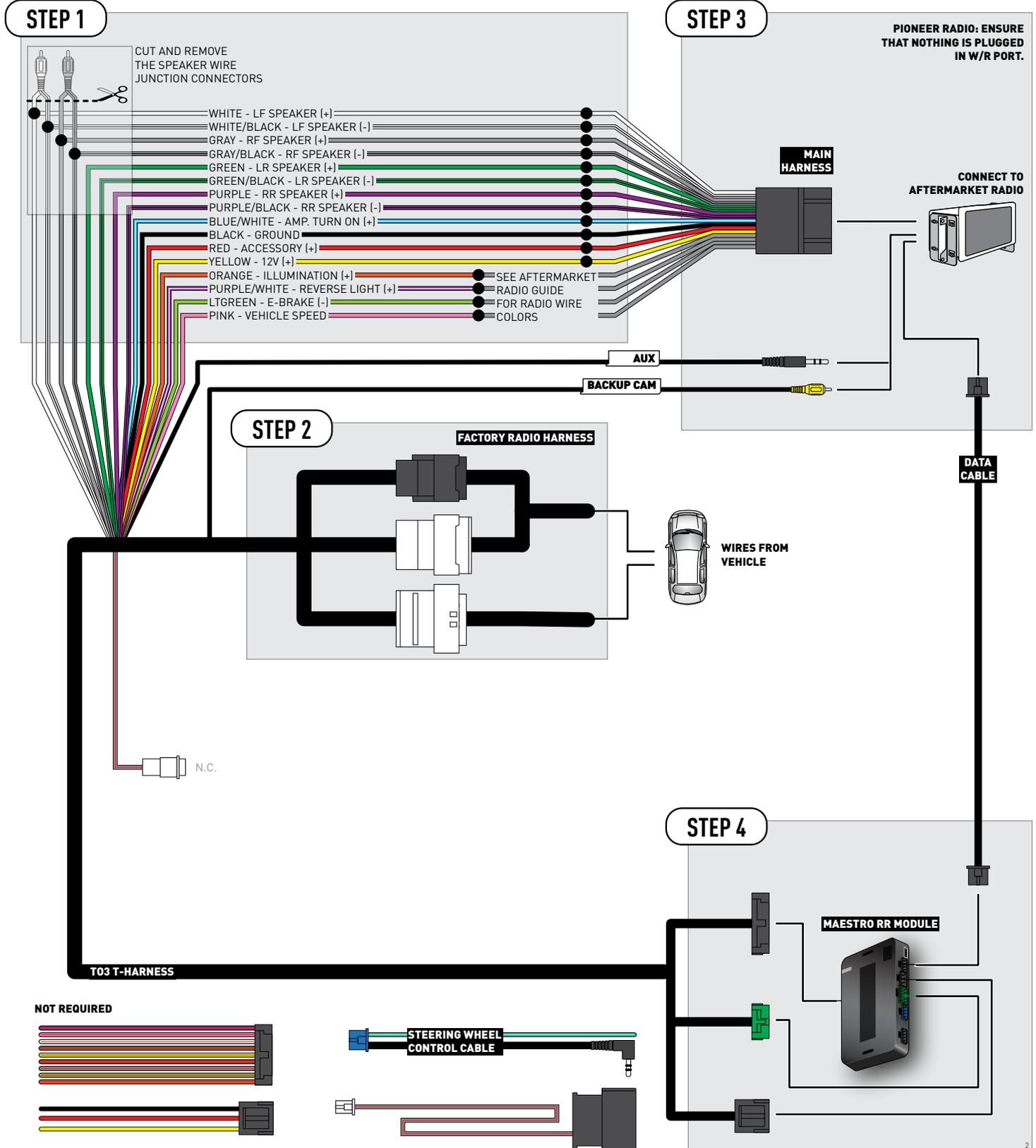
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *without JBL*



# 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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# TROUBLESHOOTING TABLE

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The light on the Maestro is blinking <b>RED TWICE</b> .	<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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Turn the key to the OFF position, then disconnect all connectors from the module.

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## STEP 2

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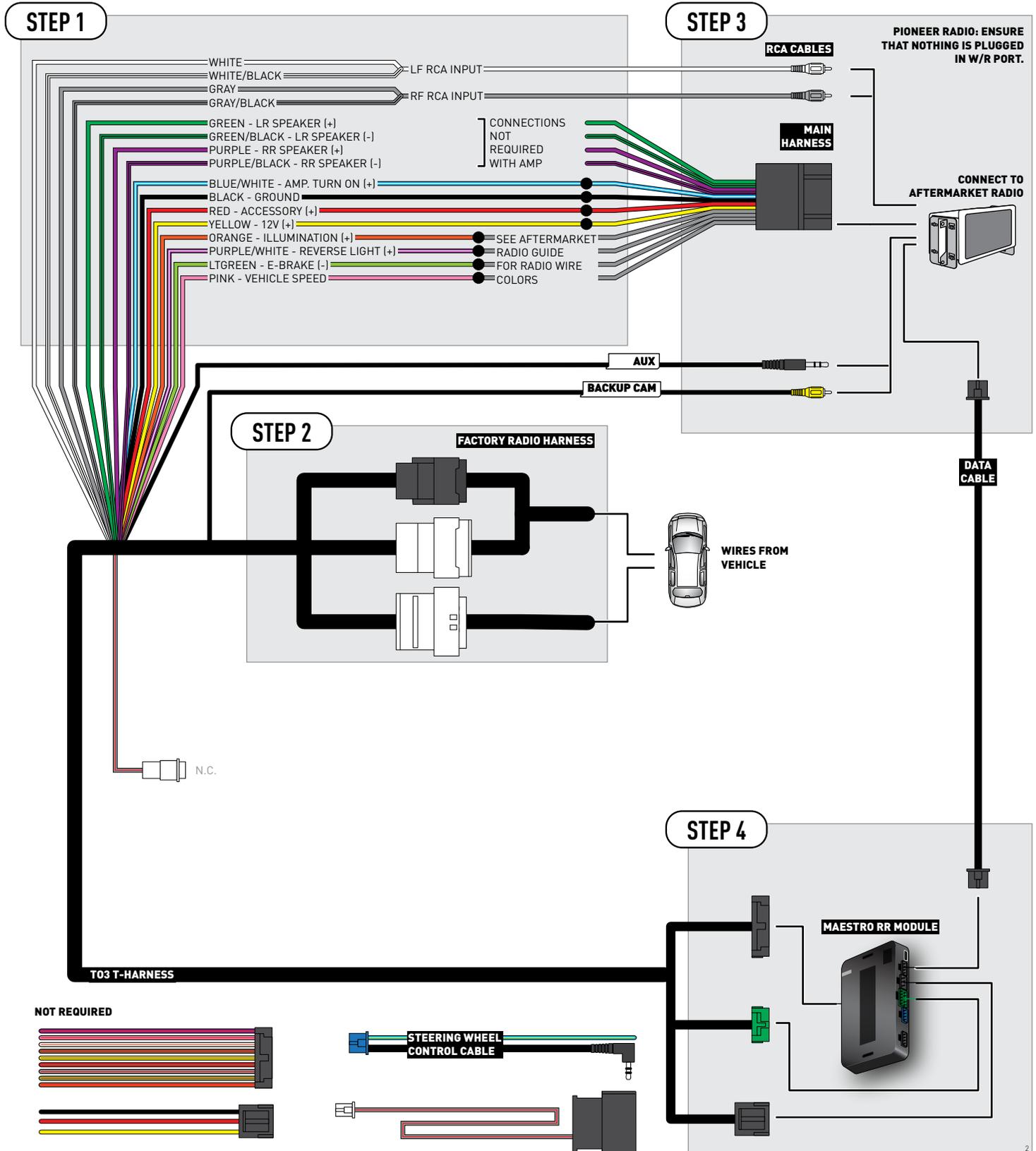
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *with JBL*



# RADIO WIRE REFERENCE CHART

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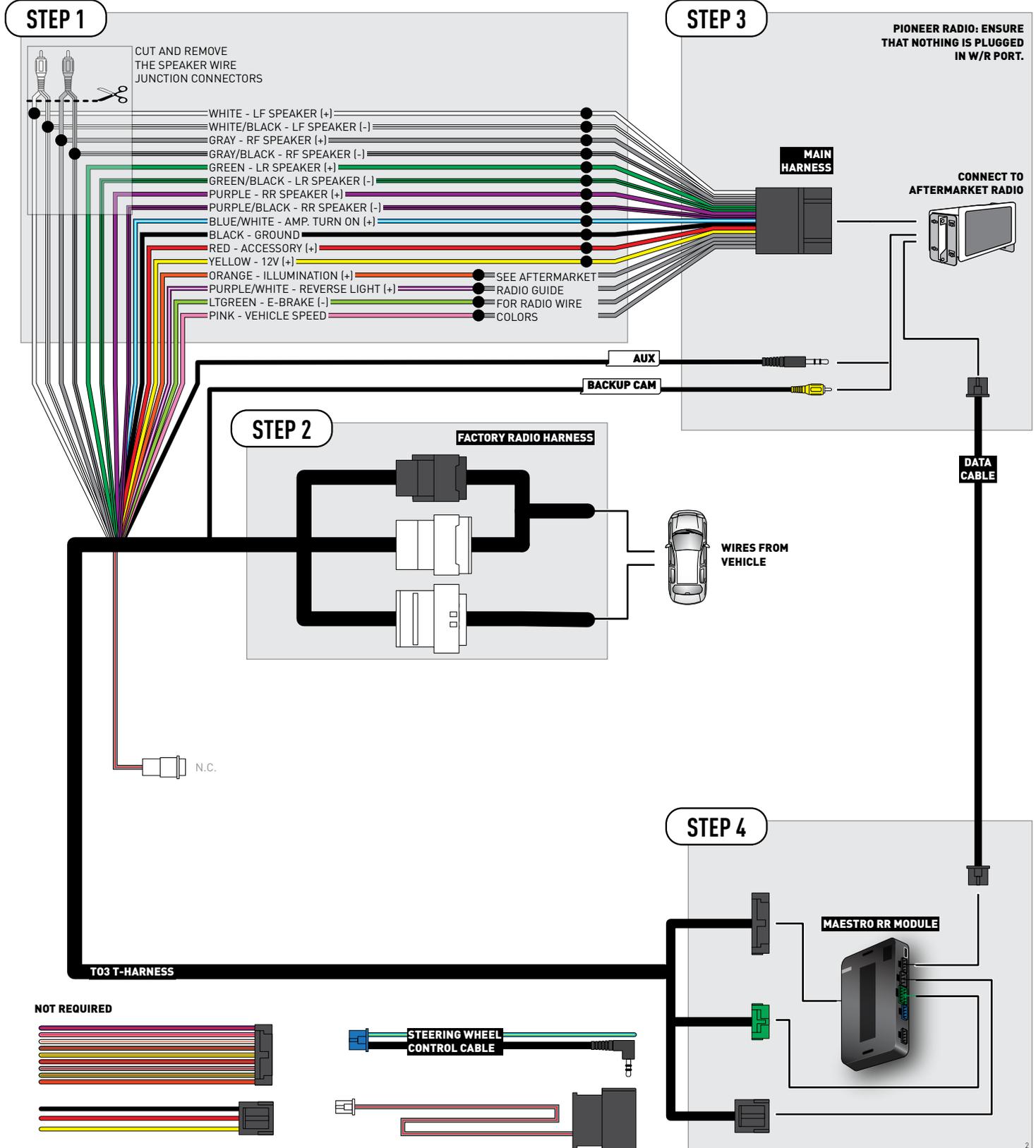
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *without JBL*



# 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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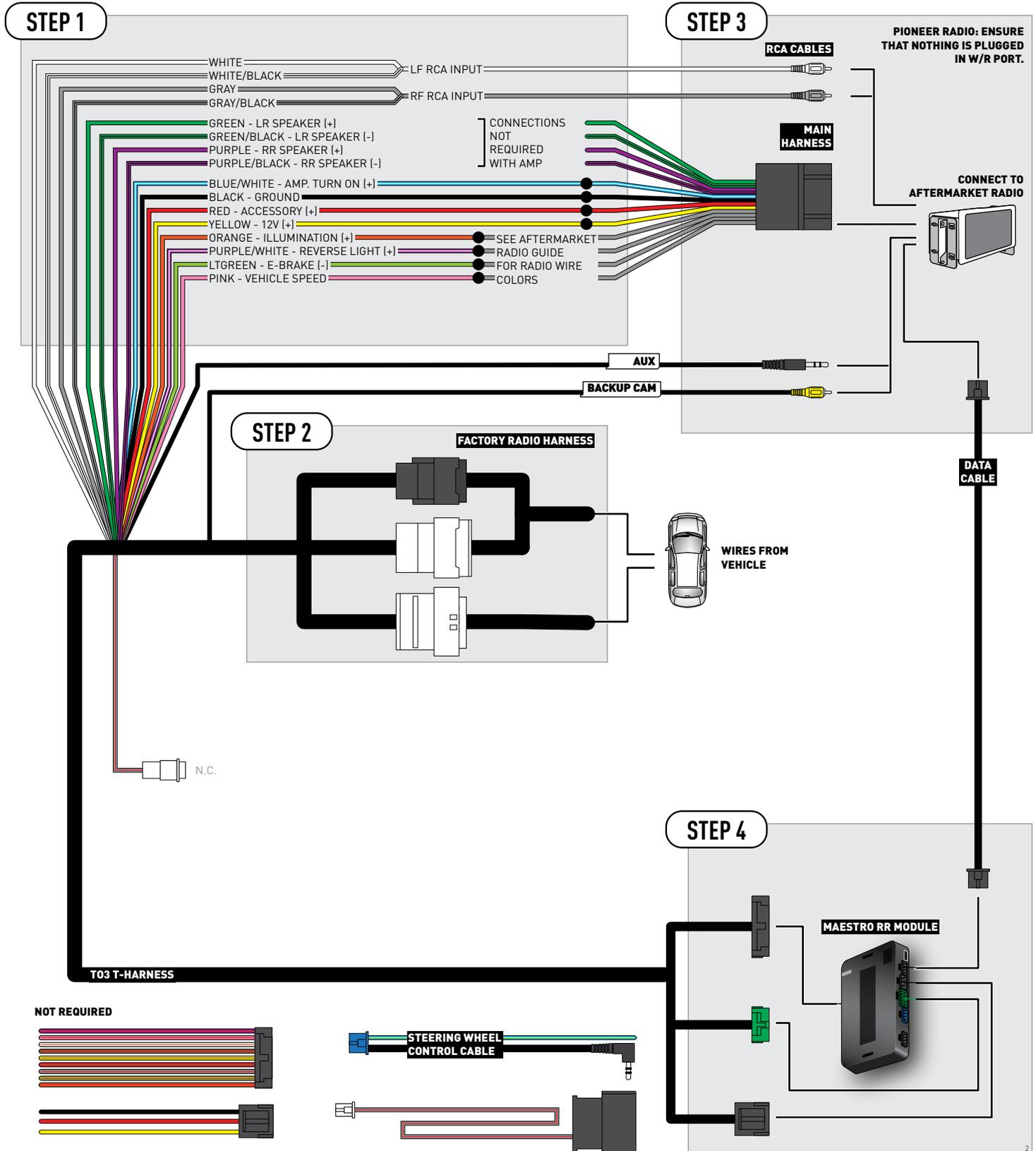
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# WIRING DIAGRAM *with JBL*



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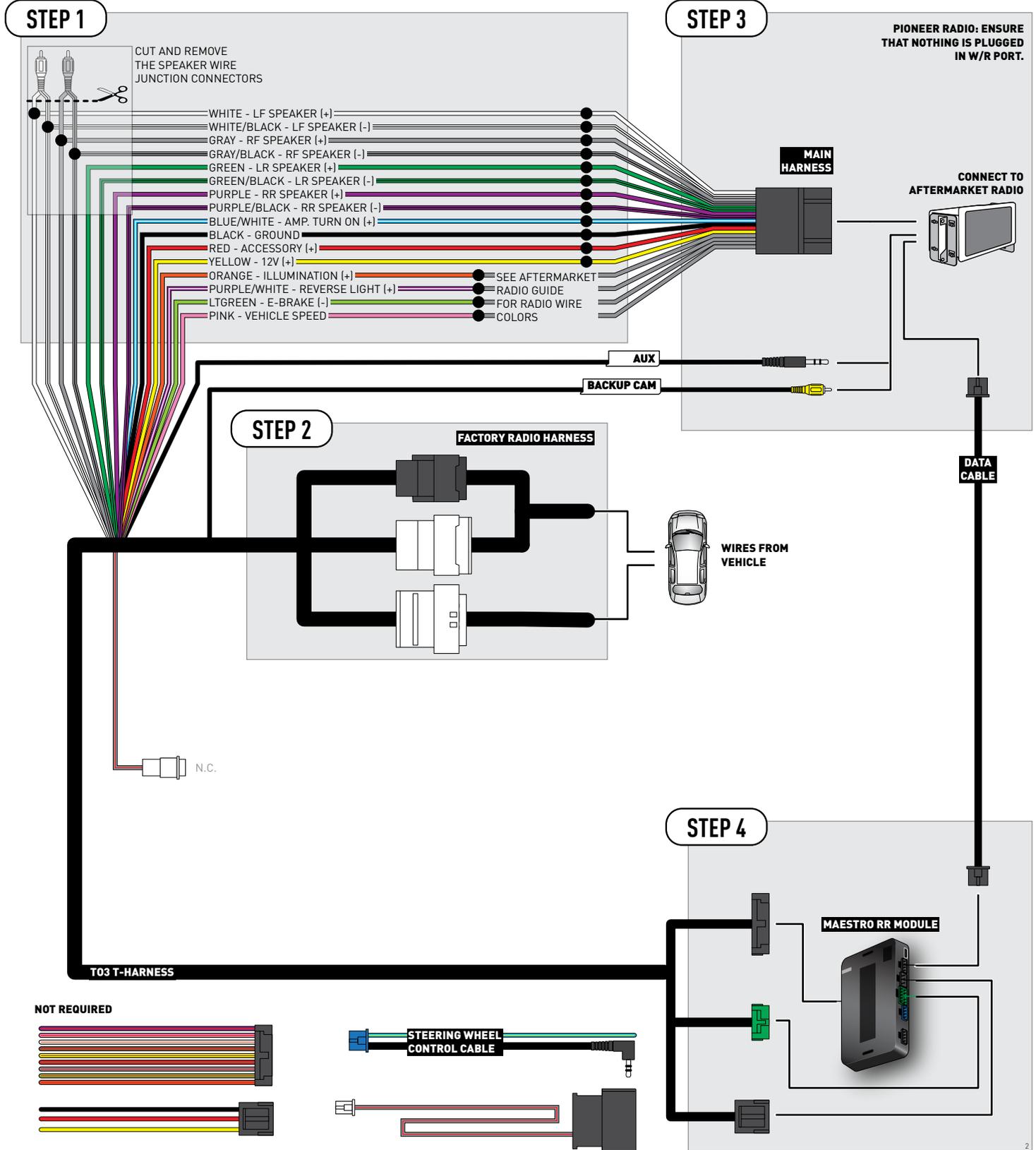
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *without JBL*



# 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	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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 <b>RED ONCE</b> .	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

Phone: 1-866-427-2999

Email: [maestro.support@idatalink.com](mailto:maestro.support@idatalink.com)

Web: [maestro.idatalink.com/support](http://maestro.idatalink.com/support) add [www.12voldata.com/forum/](http://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, BACKUP CAMERA, AND MORE!



#### PRODUCTS REQUIRED

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iDatalink Maestro HRN-RR-TO3 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY03-DS

#### ADDITIONAL RESOURCES

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#### OPTIONAL ACCESSORIES



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

# NEED HELP?

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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 T03 T-harness and match the wire functions (Note: Rear speaker wire connections are not required).
- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-harness.

## STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

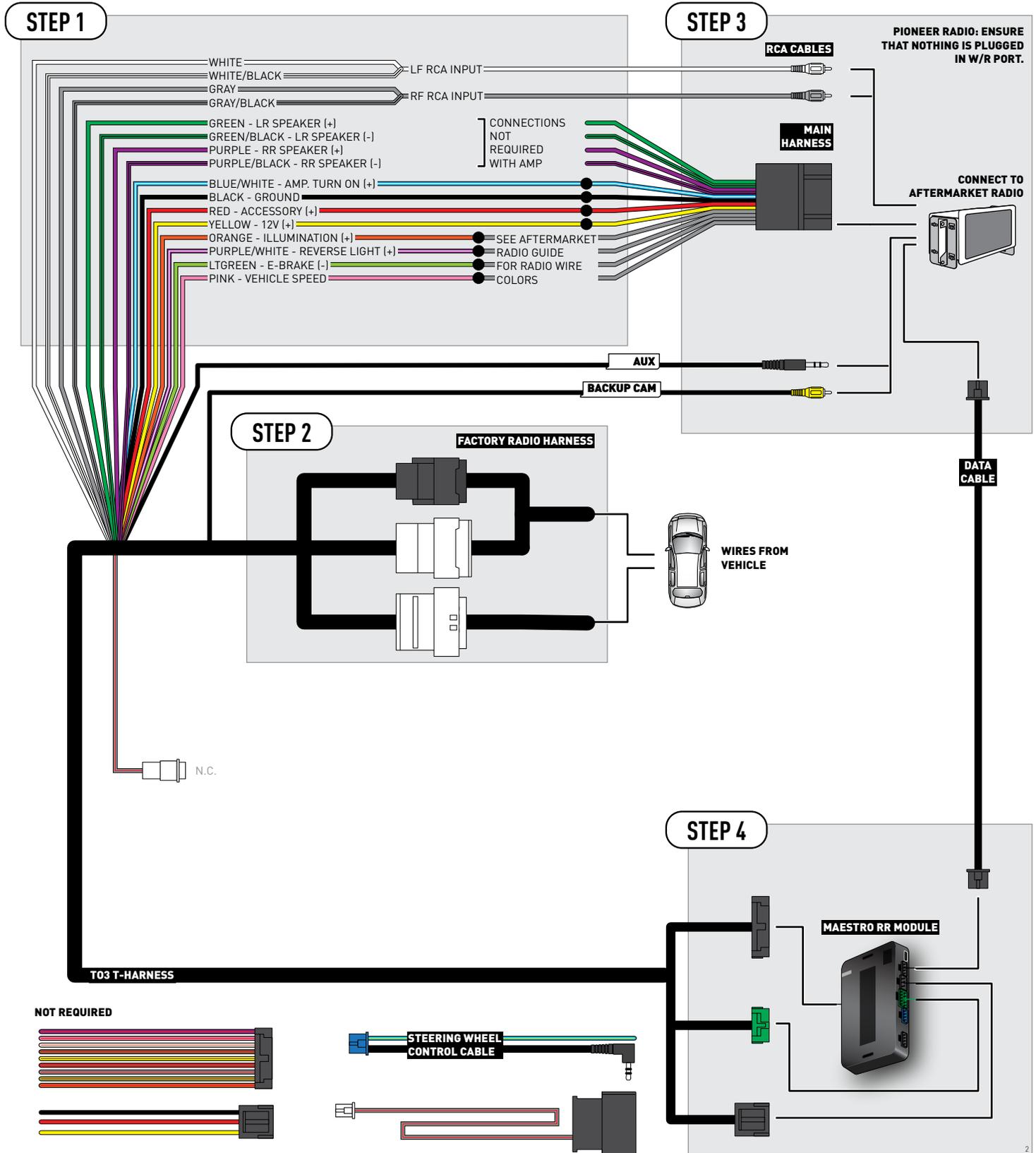
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *with JBL*



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

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	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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## MAESTRO RR RESET PROCEDURE:

Turn the key to the OFF position, then disconnect all connectors from the module.  
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- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-harness.

## STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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- Plug the Data cable to the data port of the aftermarket radio.

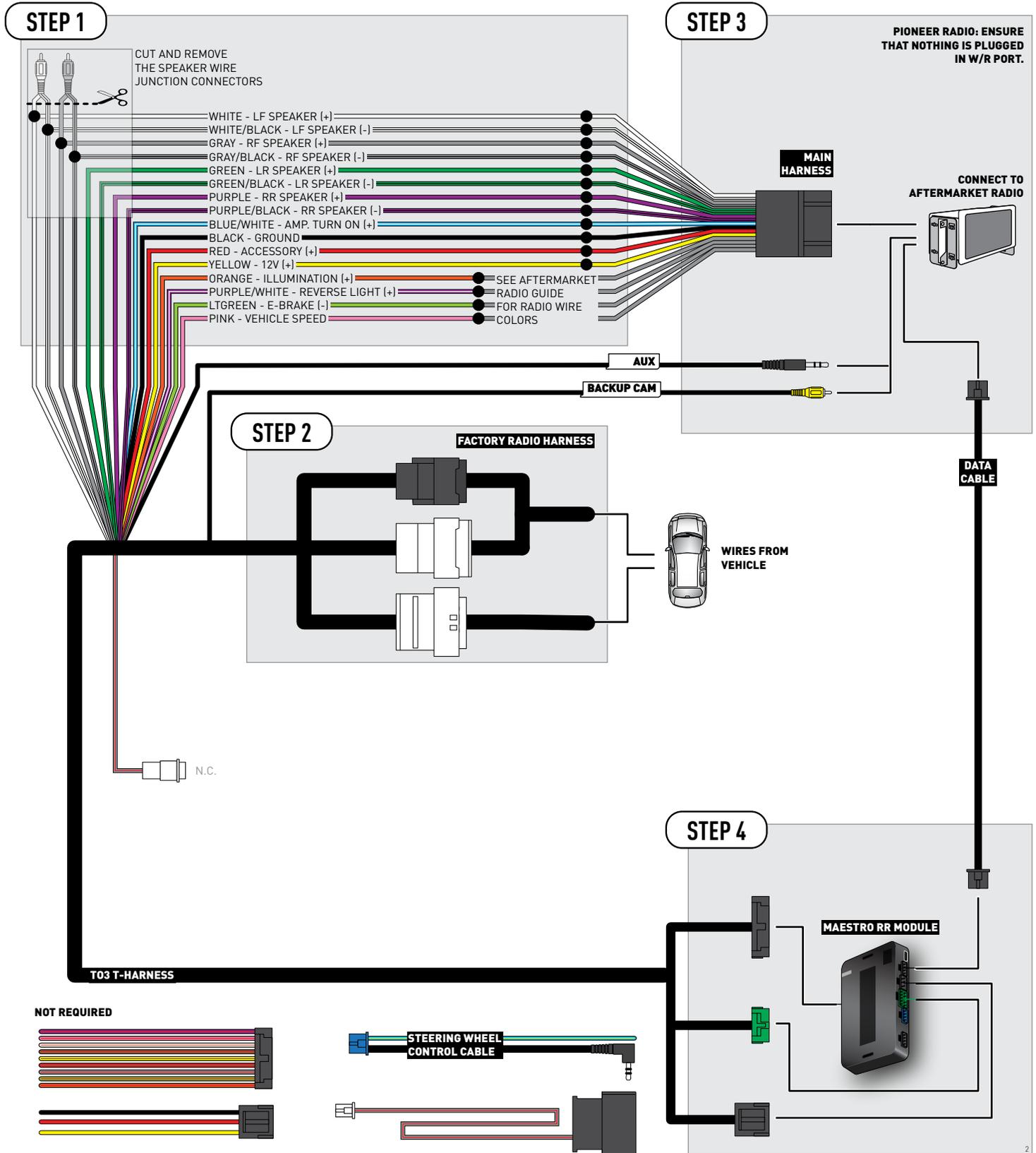
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *without JBL*



# 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

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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 <b>RED ONCE</b> .	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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#### OPTIONAL ACCESSORIES

**K40**<sup>™</sup>  
ELECTRONICS  
**ESCORT**

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## STEP 1

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- Connect the wires shown on the next page from aftermarket radio main harness to the T03 T-harness and match the wire functions (Note: Rear speaker wire connections are not required).
- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-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.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.

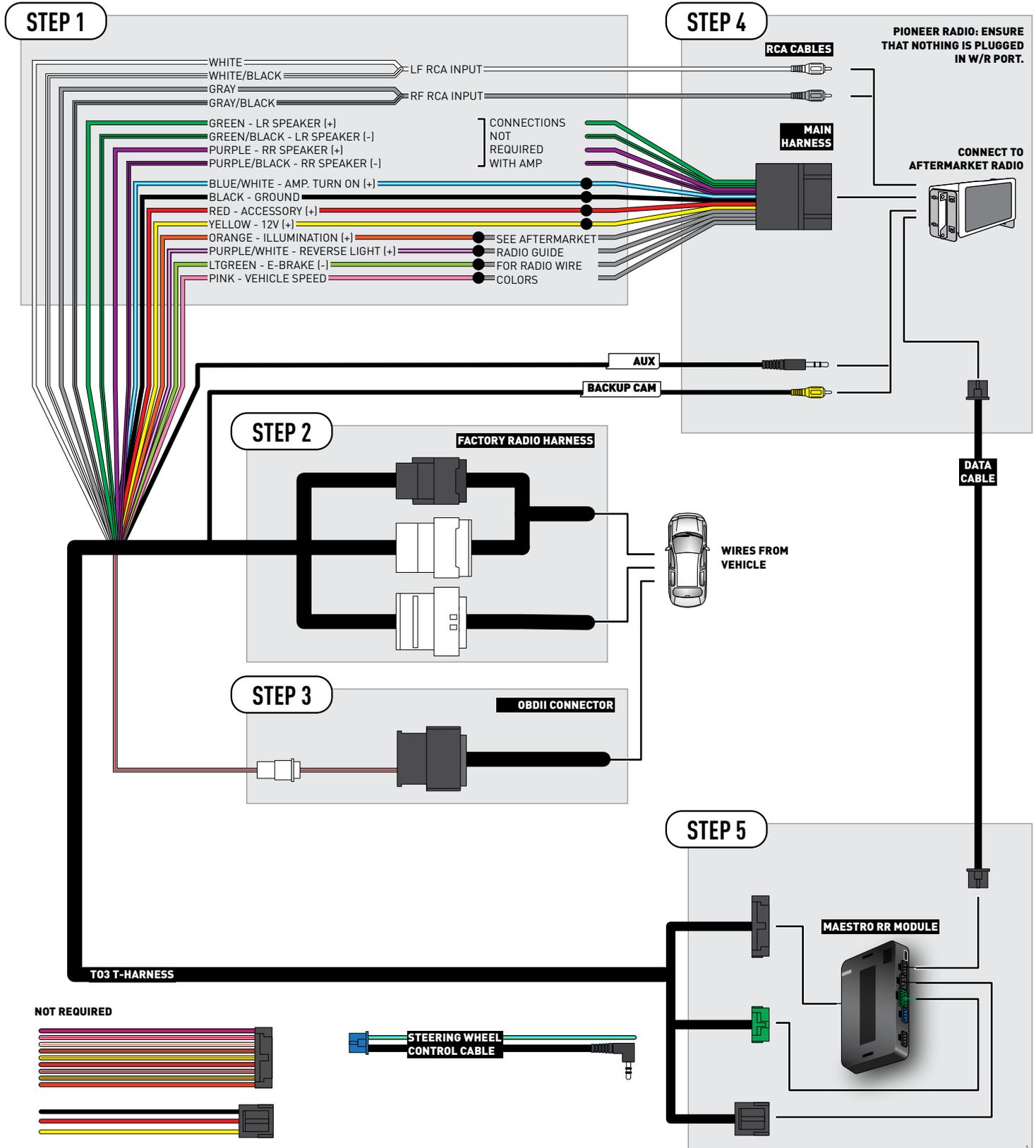
### Notes

**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 *with JBL*



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

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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 <b>RED ONCE</b> .	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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# WELCOME

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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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- Cut and remove the front speaker wire junction connectors.
- Connect the wires shown on the next page from aftermarket radio main harness to the T03 T-harness and match the wire functions (Note: Rear speaker wire connections are not required).
- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-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.
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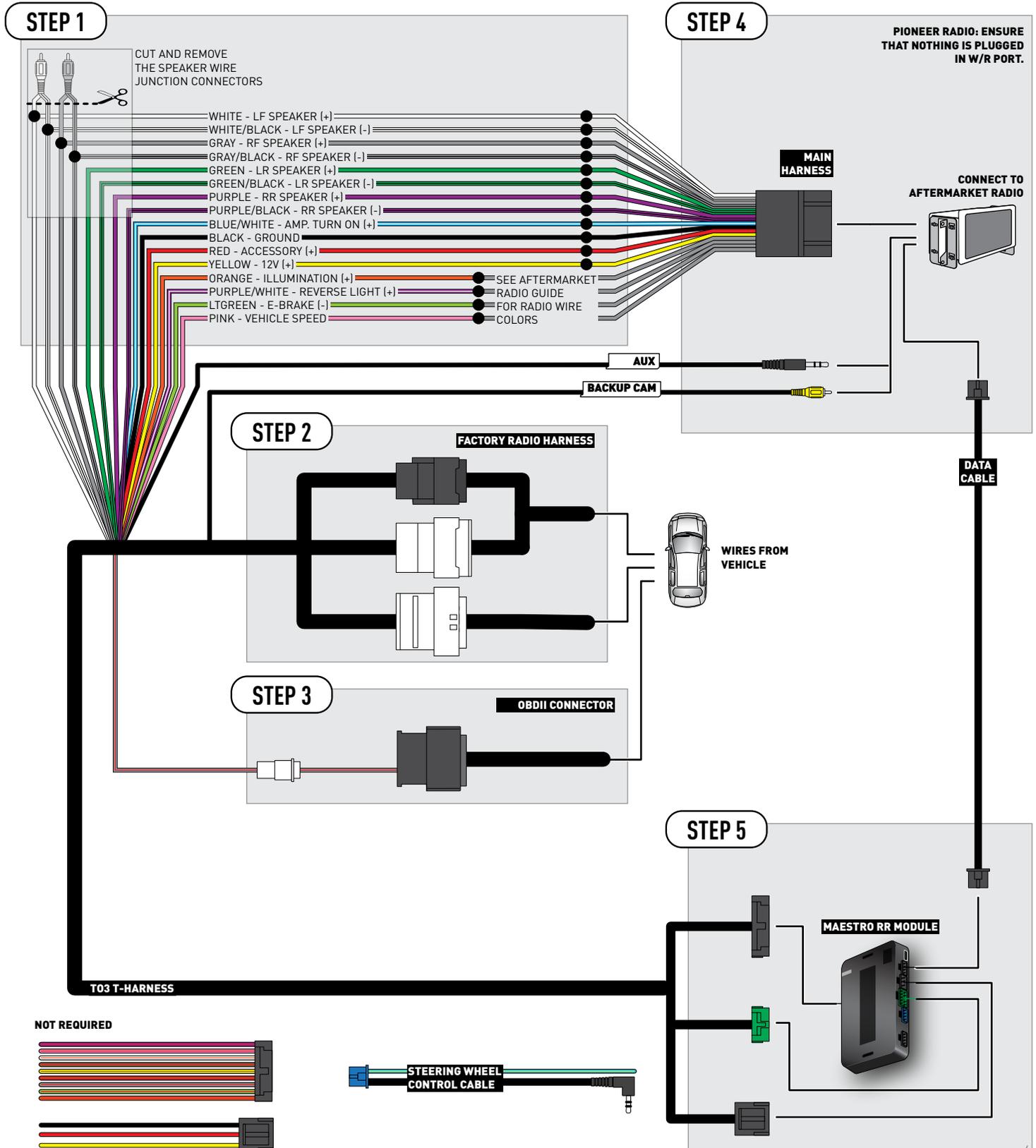
### Notes

**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 *without JBL*



# 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

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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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## STEP 2

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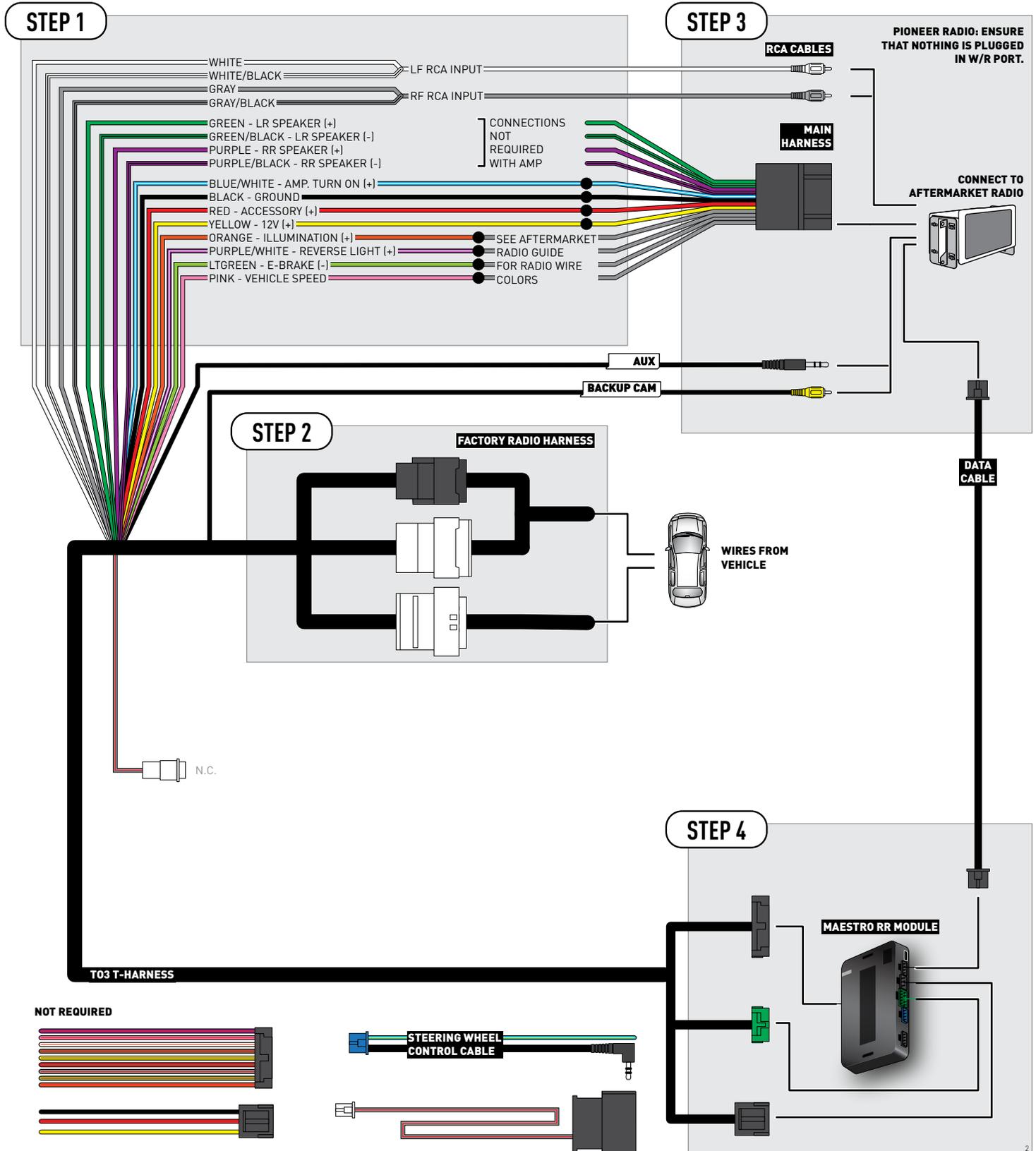
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## STEP 4

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

# WIRING DIAGRAM *with JBL*



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

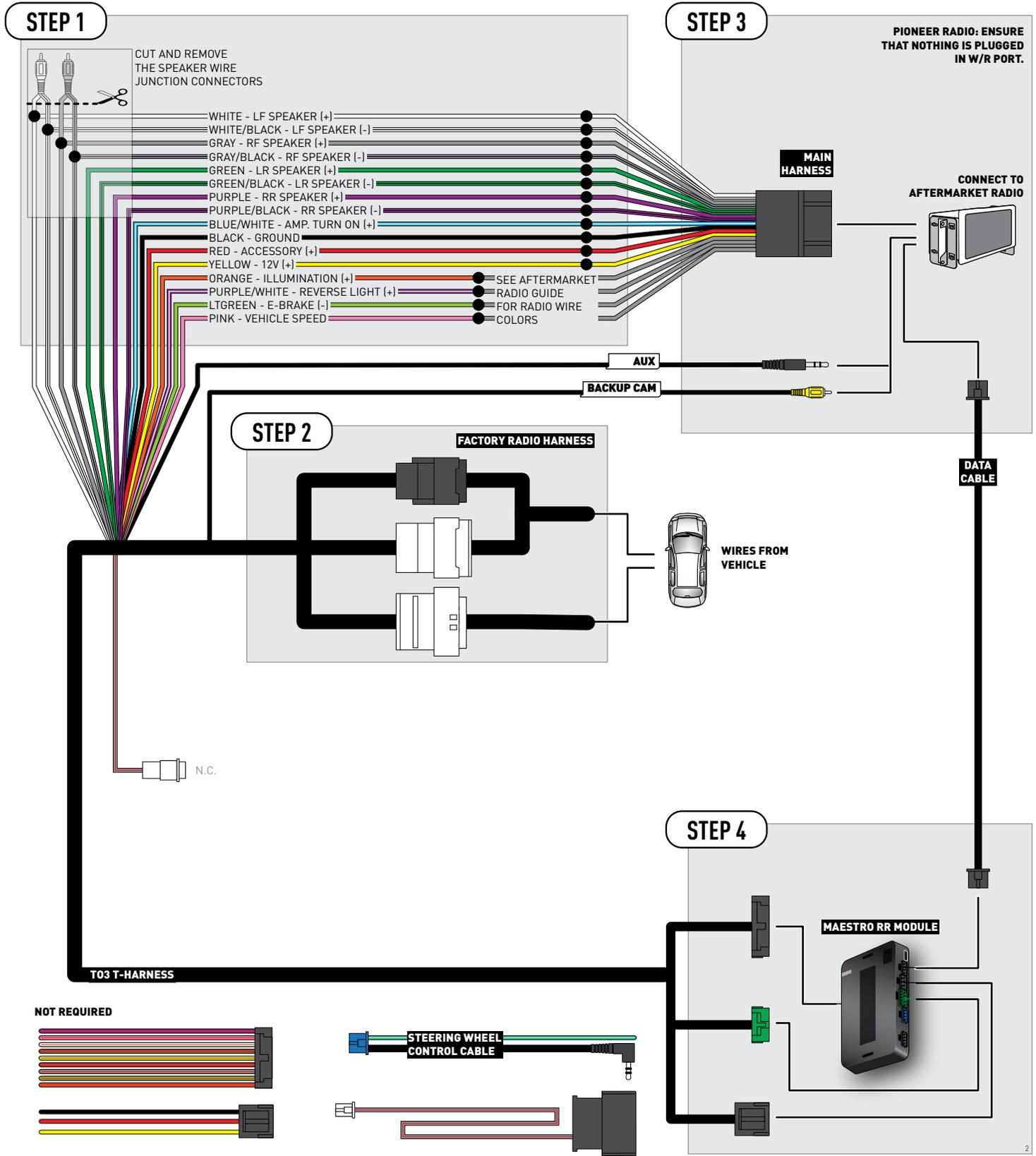
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *without JBL*



# 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	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	Pink	Pink	N/A

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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 <b>RED ONCE</b> .	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, AND MORE!



#### PRODUCTS REQUIRED

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iDatalink Maestro HRN-RR-TO3 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY03-DS

#### ADDITIONAL RESOURCES

[Maestro RR2 Programmable Outputs Guide](#)

#### OPTIONAL ACCESSORIES

**K40**<sup>™</sup>  
ELECTRONICS  
**ESCORT**

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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?

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Troubleshooting Table	6

# 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 T03 T-harness and match the wire functions (Note: Rear speaker wire connections are not required).
- Remove the factory radio.

## STEP 2

- Connect the factory harness to the T03 T-harness.

## STEP 3

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
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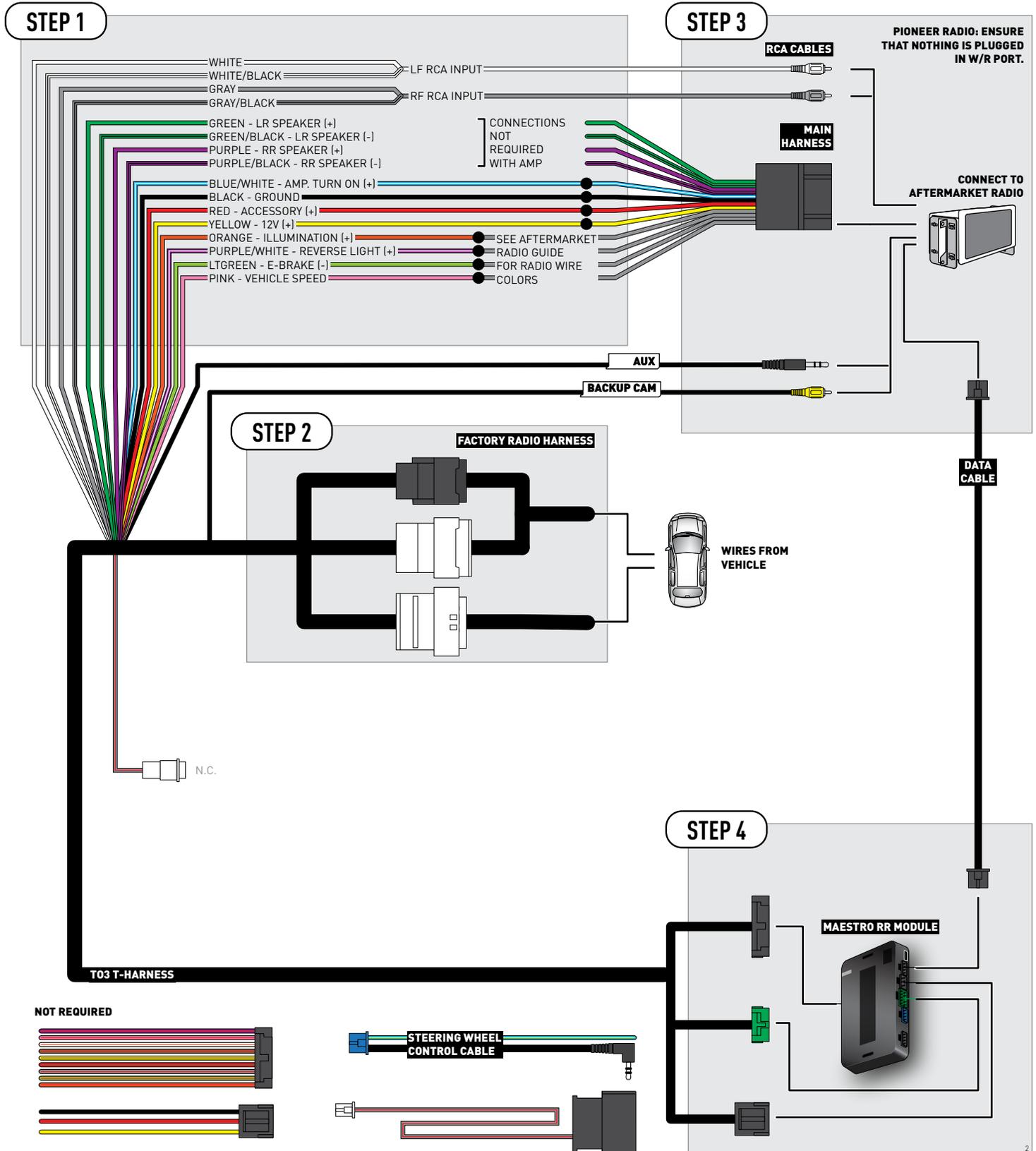
### Notes

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

## STEP 4

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

# WIRING DIAGRAM *with JBL*



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

# TROUBLESHOOTING TABLE

PROBLEM	SOLUTION
The light on the Maestro is blinking <b>RED TWICE</b> .	<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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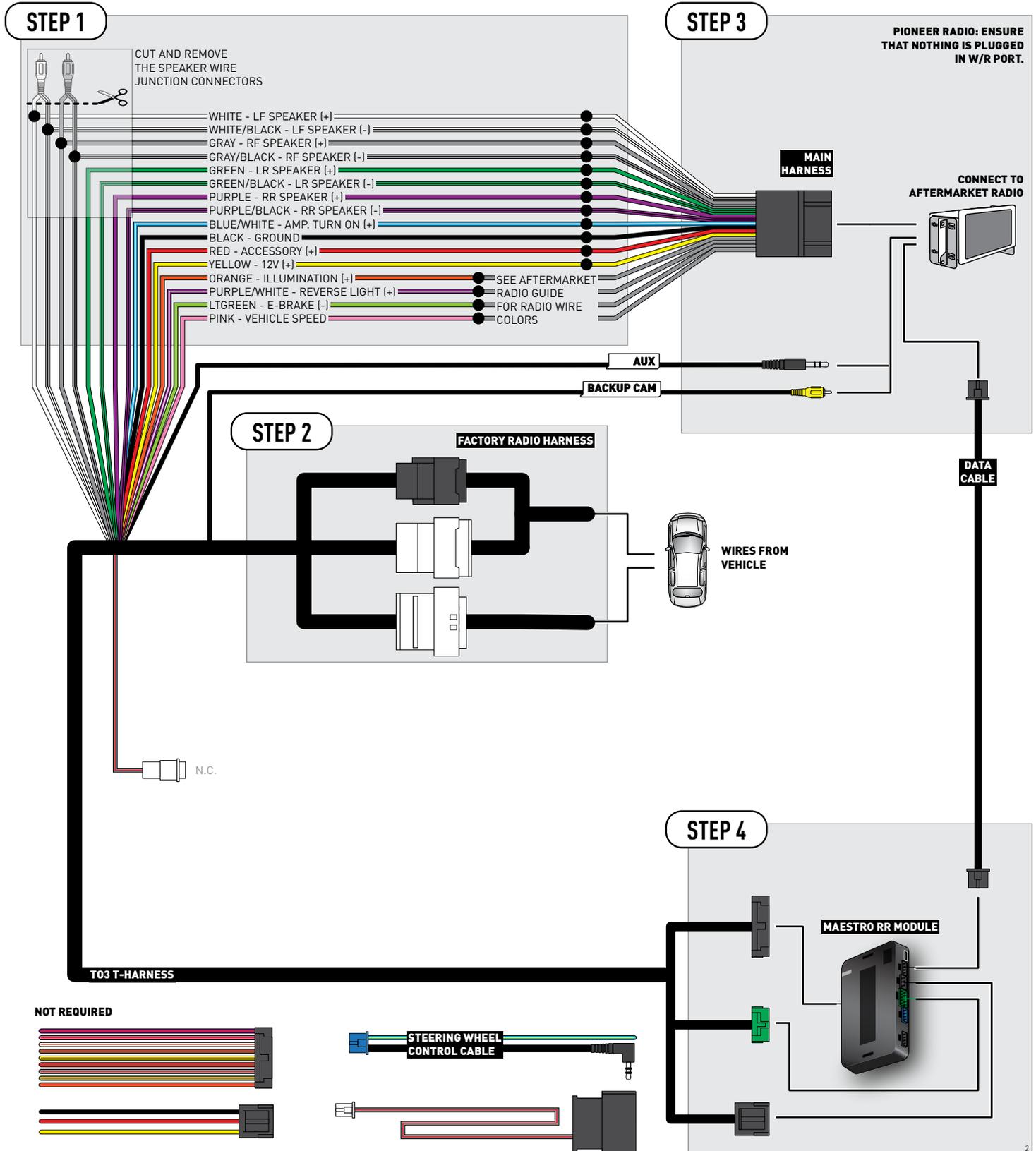
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## STEP 4

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# WIRING DIAGRAM *without JBL*



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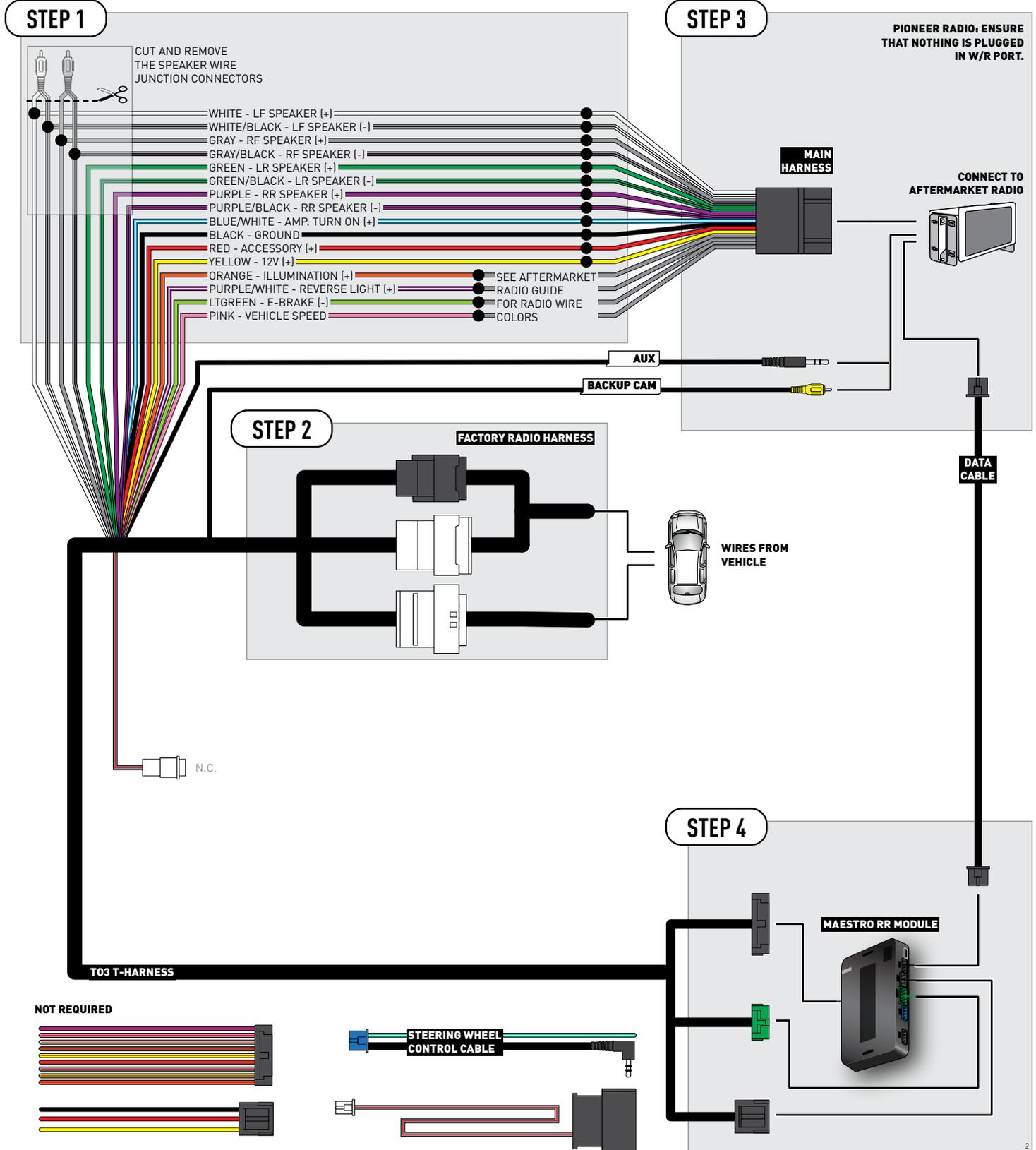
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