



## 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, FACTORY AMPLIFIER, AND MORE!



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



Click here for:

[Radar Integration Installation Guide](#)

[Radar Integration Owner's Guide for Kenwood and JVC Radios](#)

# 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](mailto: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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

**NOTE:**

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

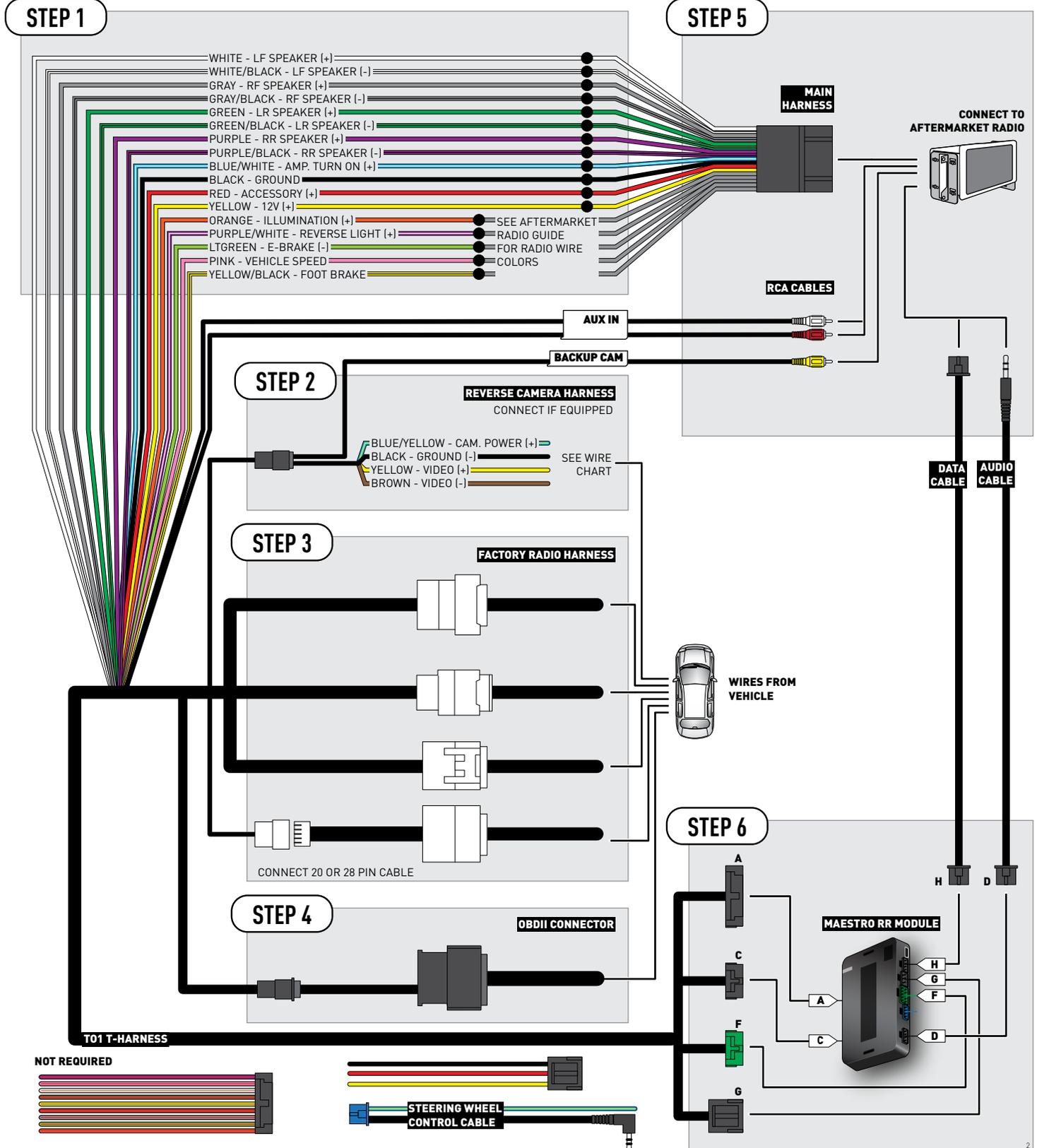
## STEP 6

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

## TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



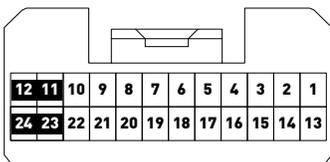
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



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- Connect the wires shown on the next page from aftermarket radio main harness to the T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

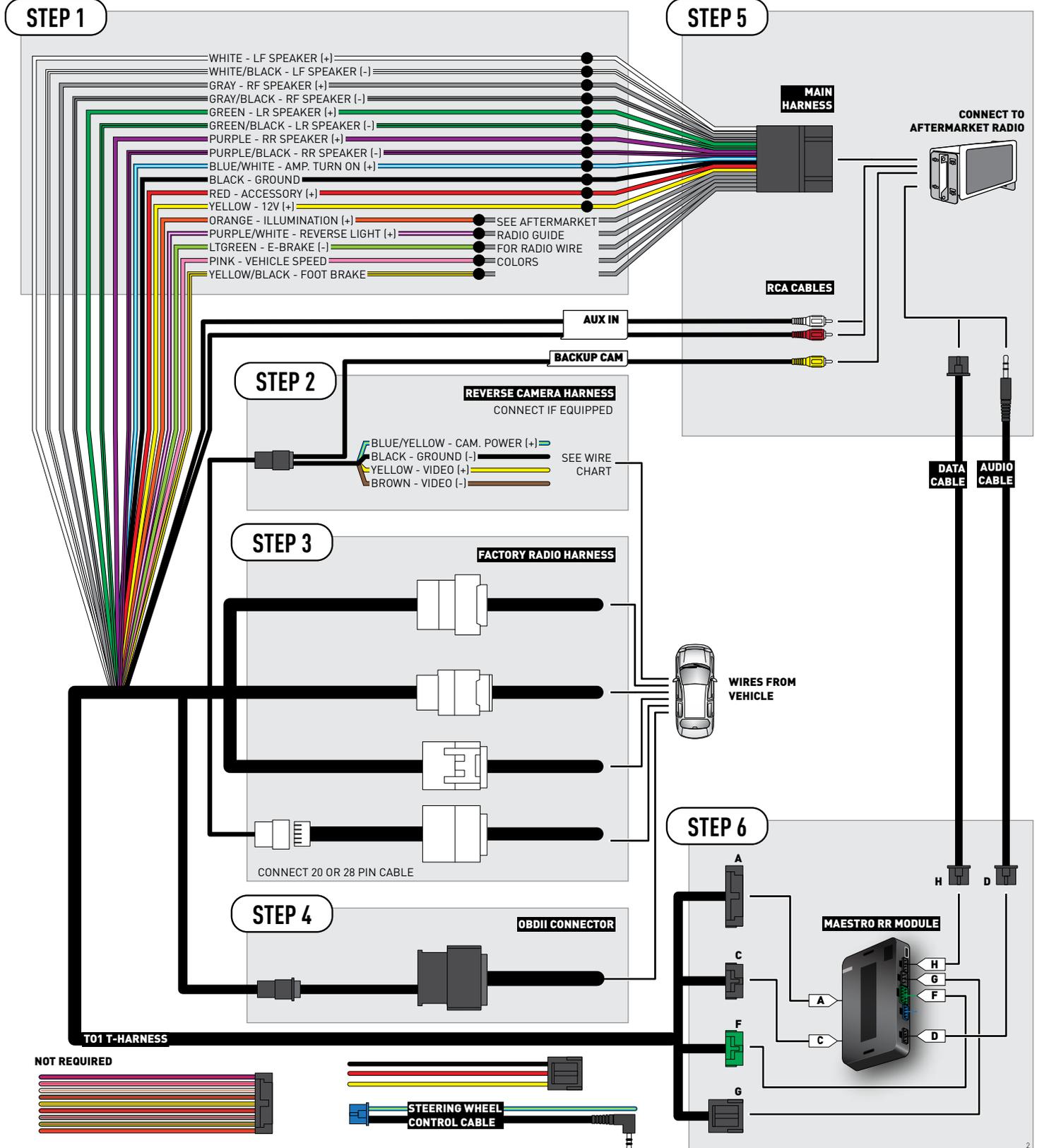
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

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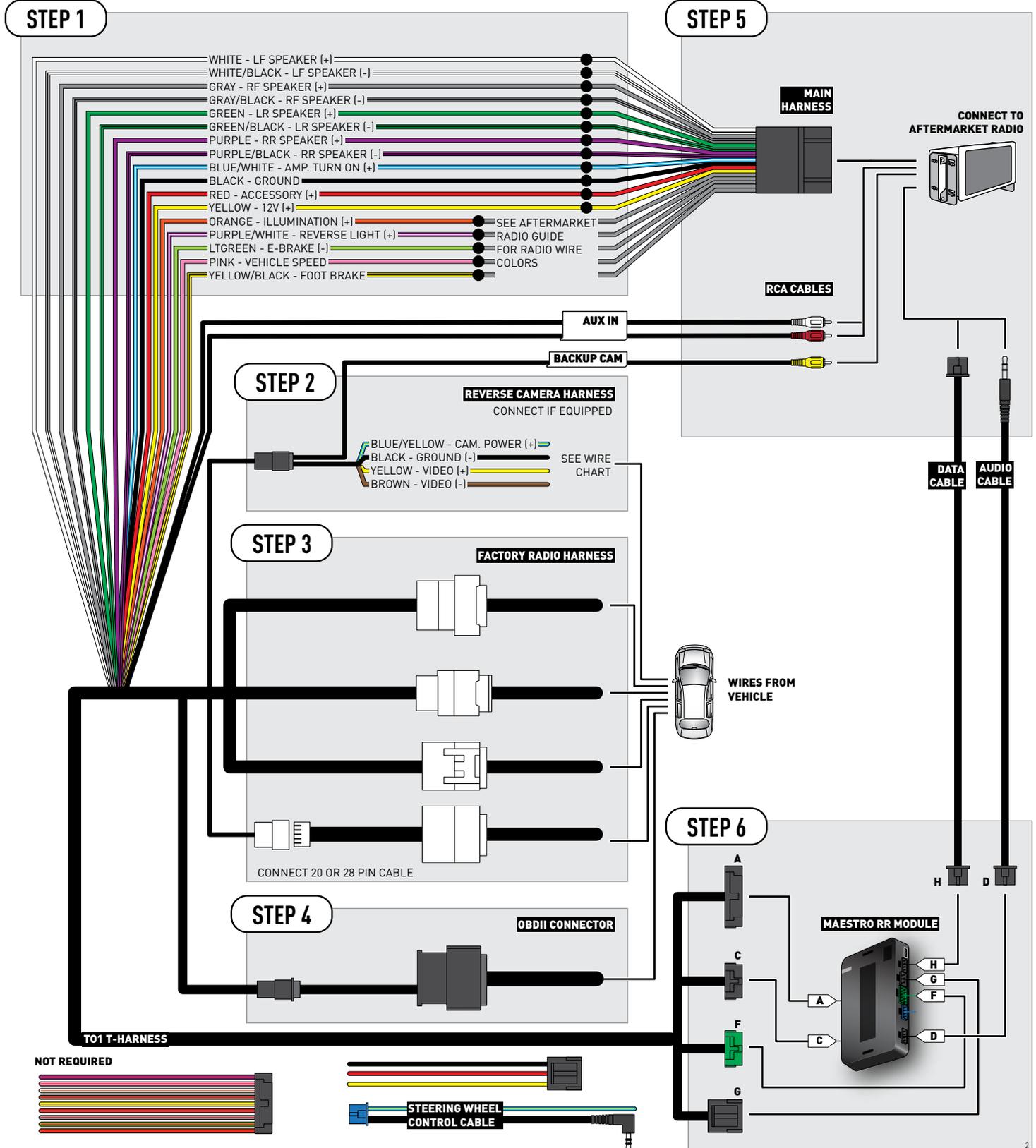
## STEP 6

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

## TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Plug the Data cable to the data port of the aftermarket radio.
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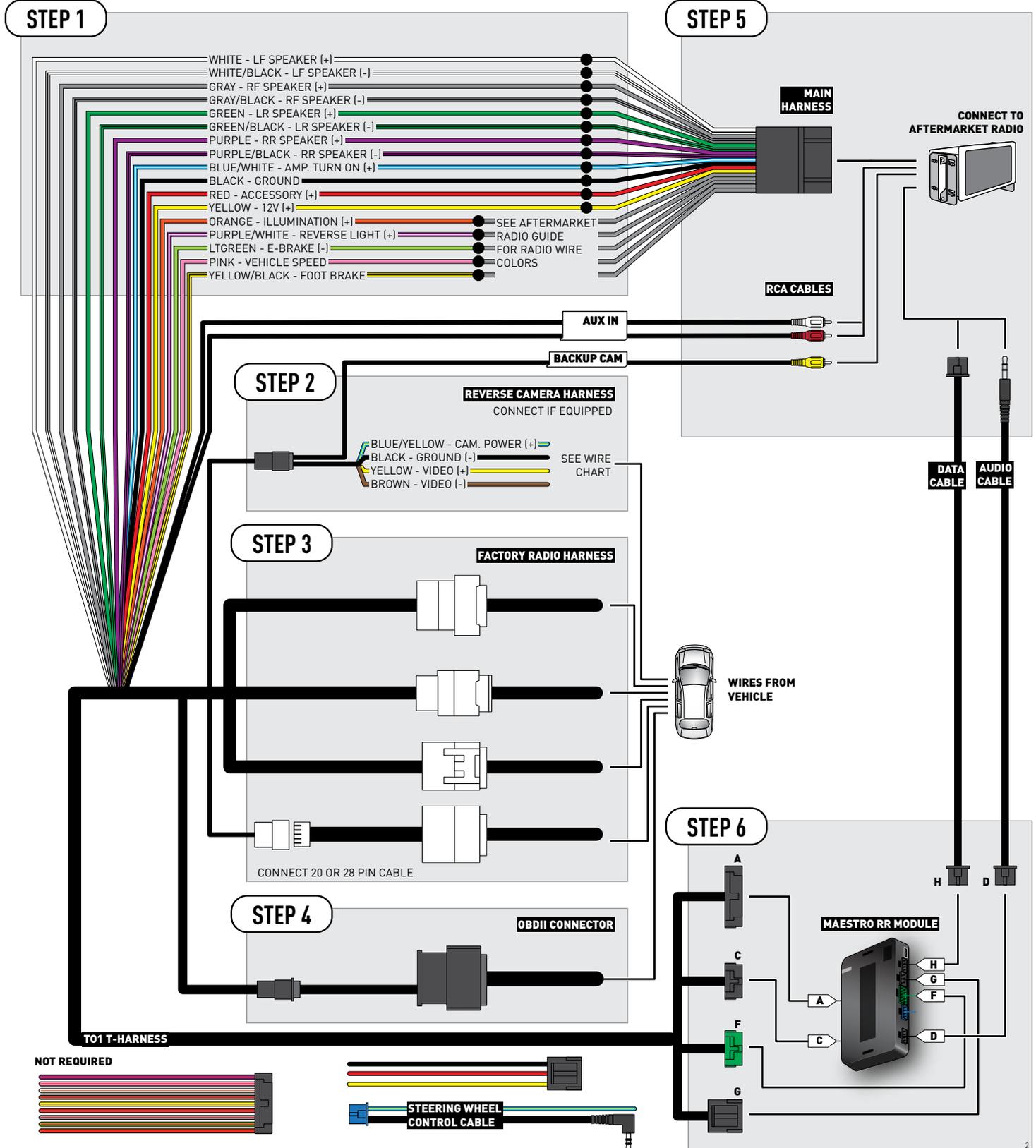
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# RADIO WIRE REFERENCE CHART

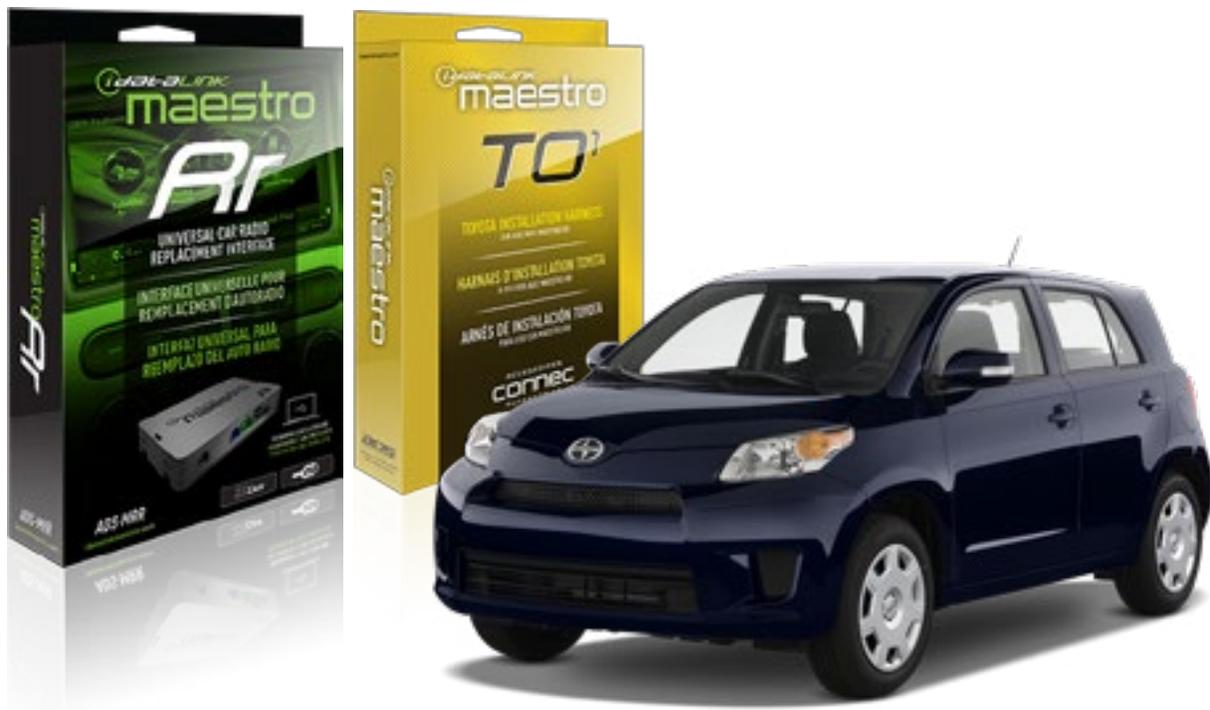
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

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- 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.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

### NOTE:

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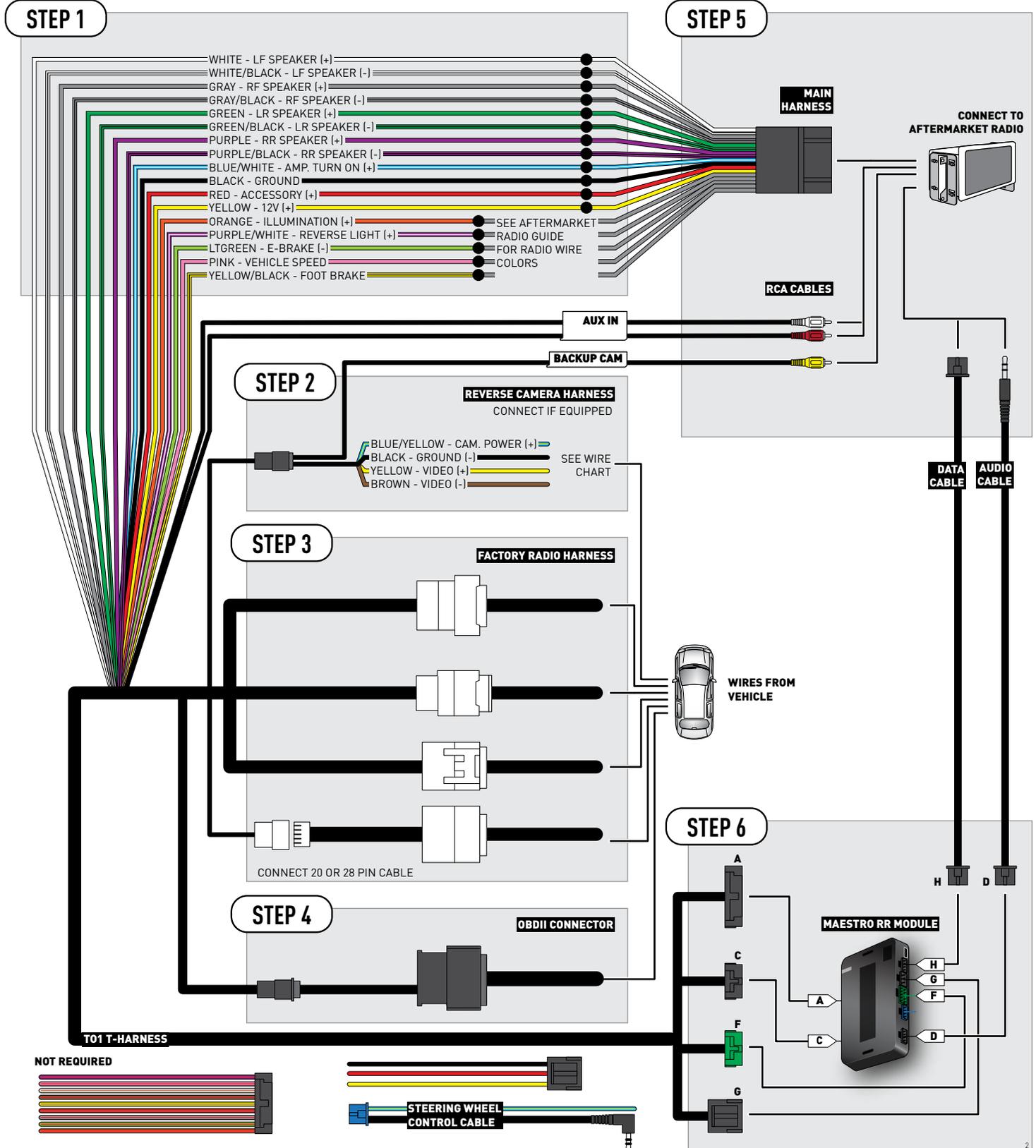
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- Connect all the harnesses to the Maestro RR module then test your installation.

### TROUBLESHOOTING TIPS:

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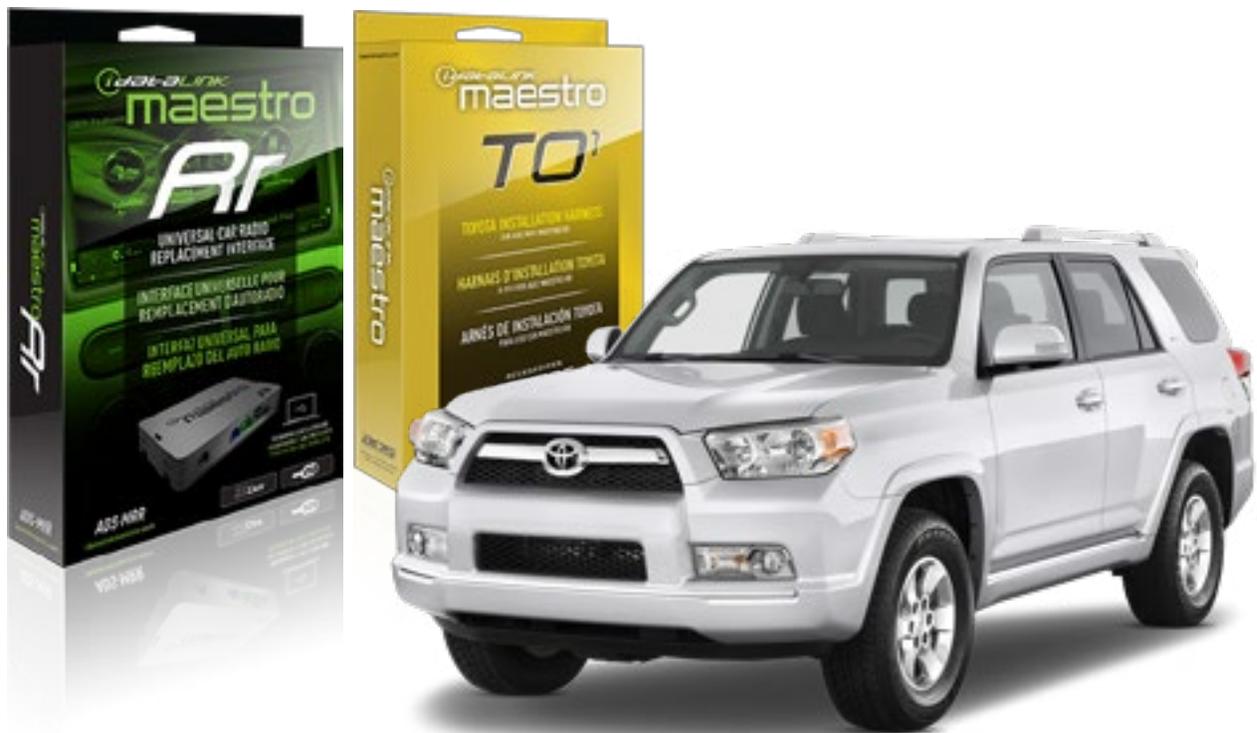
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Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

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- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket radio.
- Plug the Data cable to the data port of the aftermarket radio.
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### NOTE:

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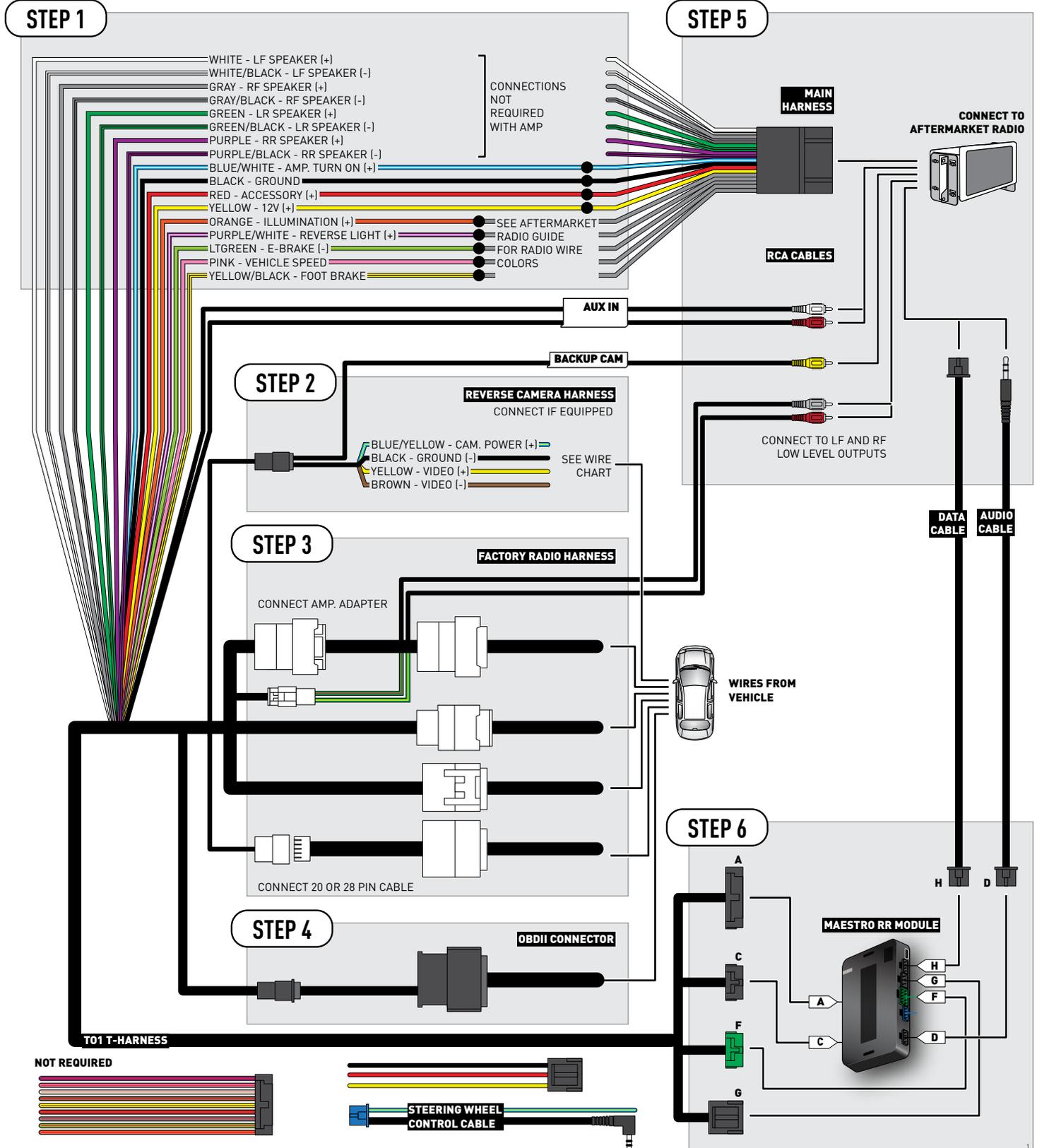
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- Connect all the harnesses to the Maestro RR module then test your installation.

### TROUBLESHOOTING TIPS:

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

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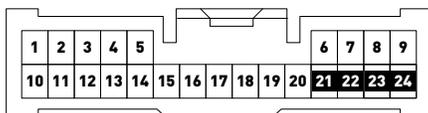
## 2006-2009

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

## 2010-2011

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#### OPTIONAL ACCESSORIES



Click here for:

[Radar Integration Installation Guide](#)

[Radar Integration Owner's Guide for Kenwood and JVC Radios](#)

# 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](mailto:maestro.support@idatalink.com)

 [maestro.idatalink.com/support](http://maestro.idatalink.com/support)  
[www.12voltdata.com/forum](http://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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

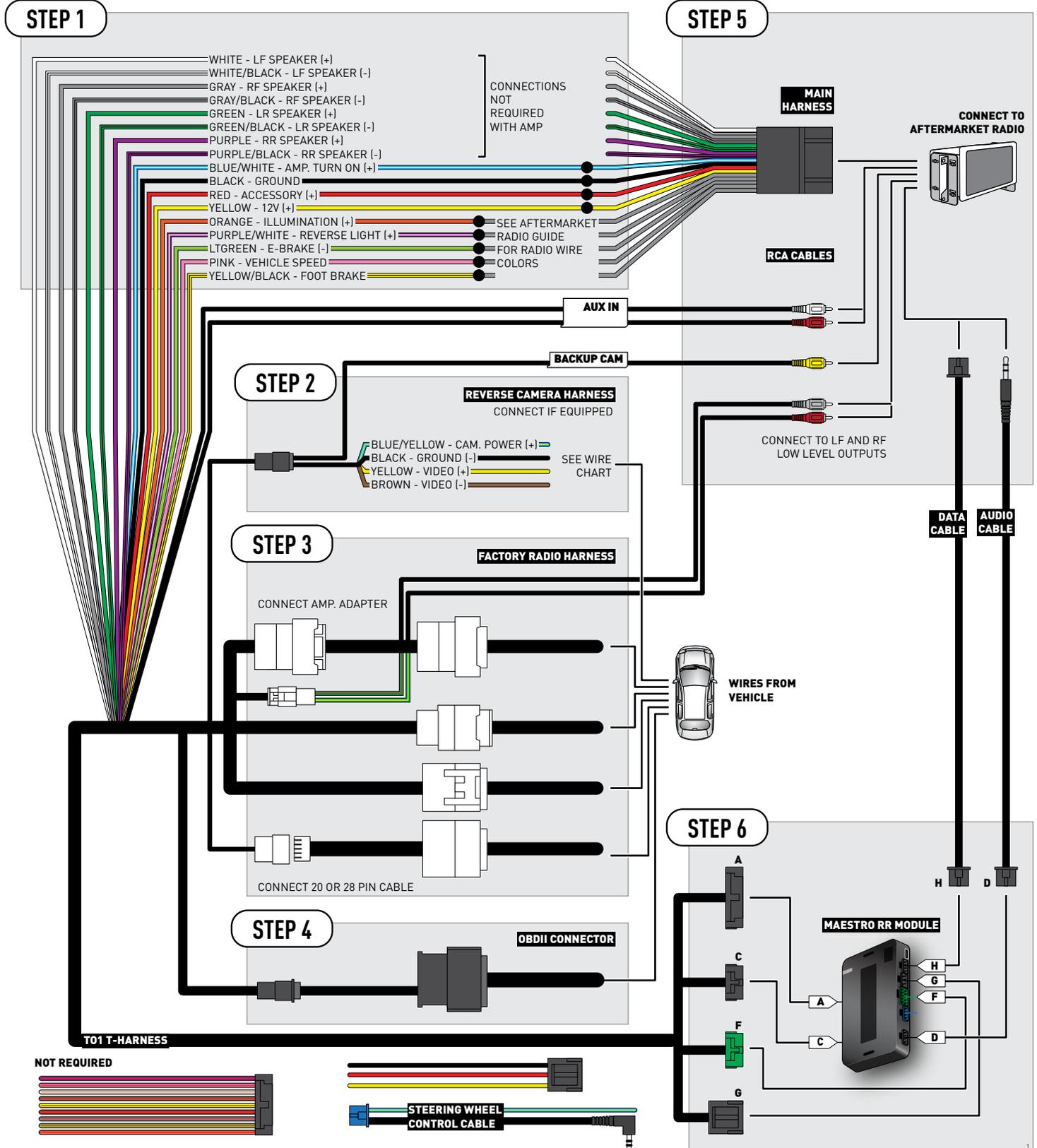
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail "maestro.support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

# WIRING DIAGRAM *with an Amplifier*



# 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	N/A	N/A	N/A

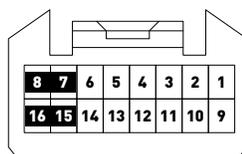
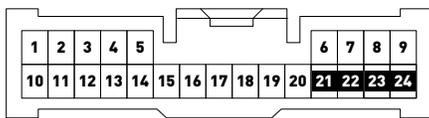
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	White	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Black	(-)	Reverse camera harness

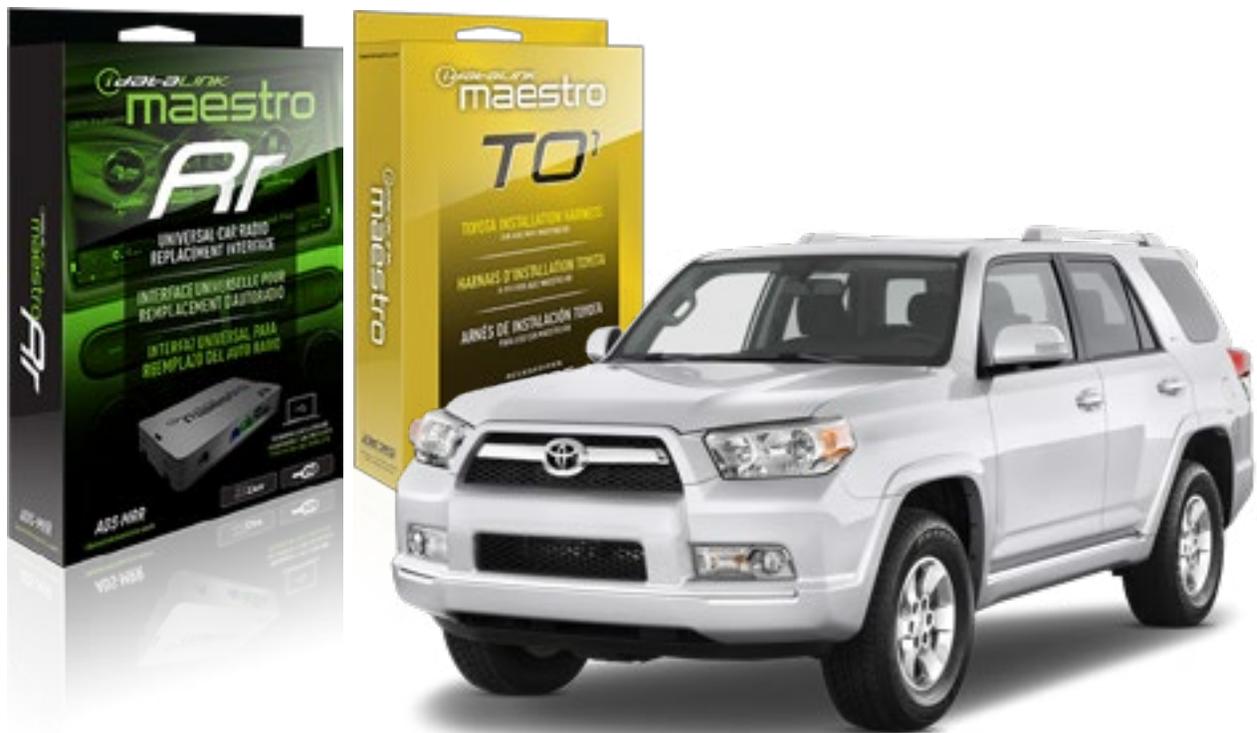
OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Red	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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## STEP 1

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

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- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

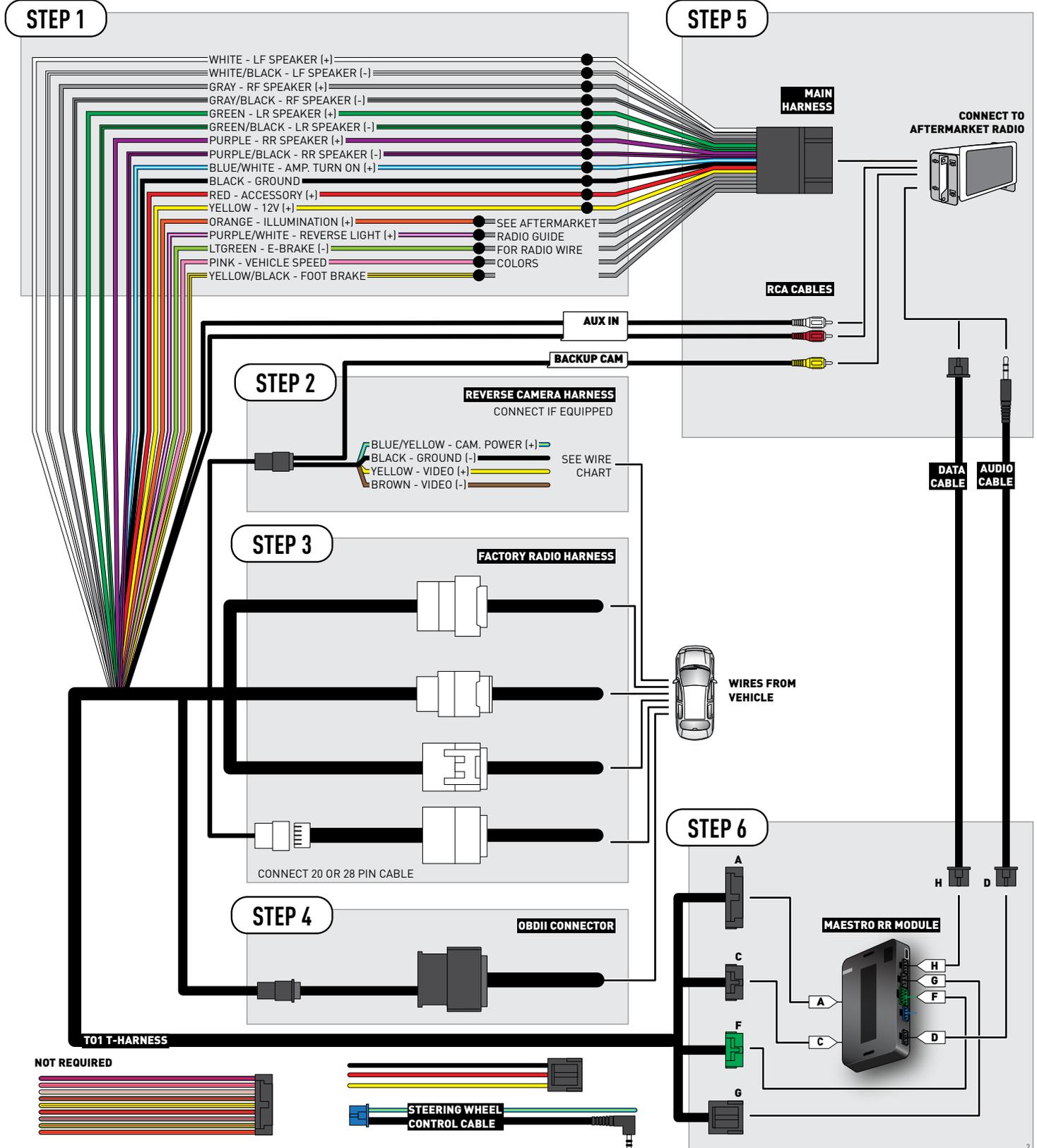
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



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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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
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#### PROGRAMMED FIRMWARE

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## STEP 4

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## STEP 5

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### NOTE:

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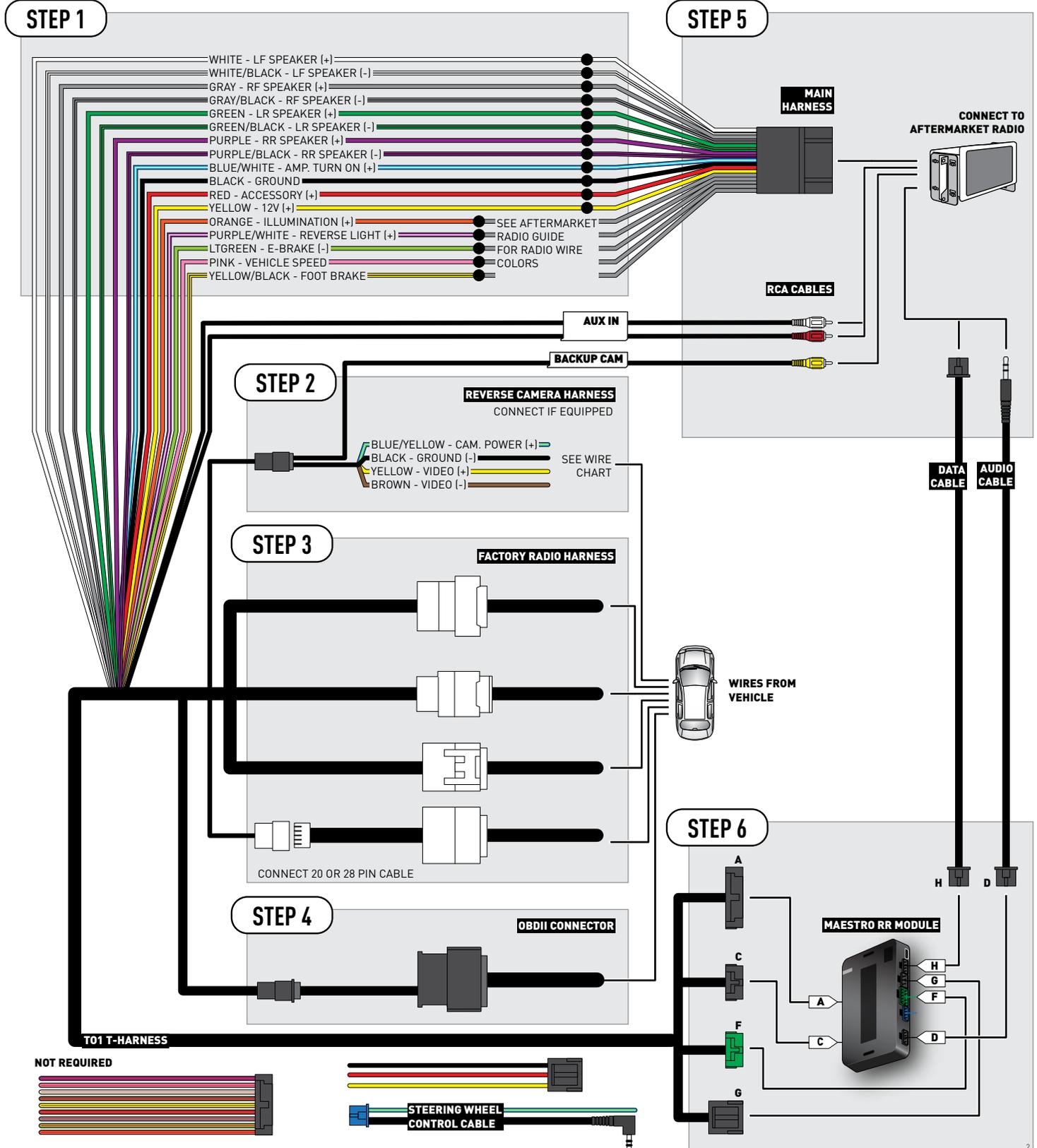
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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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	N/A	N/A	N/A

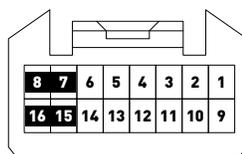
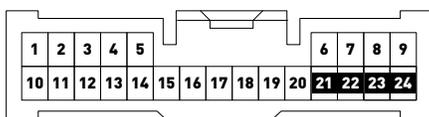
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	White	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Black	(-)	Reverse camera harness

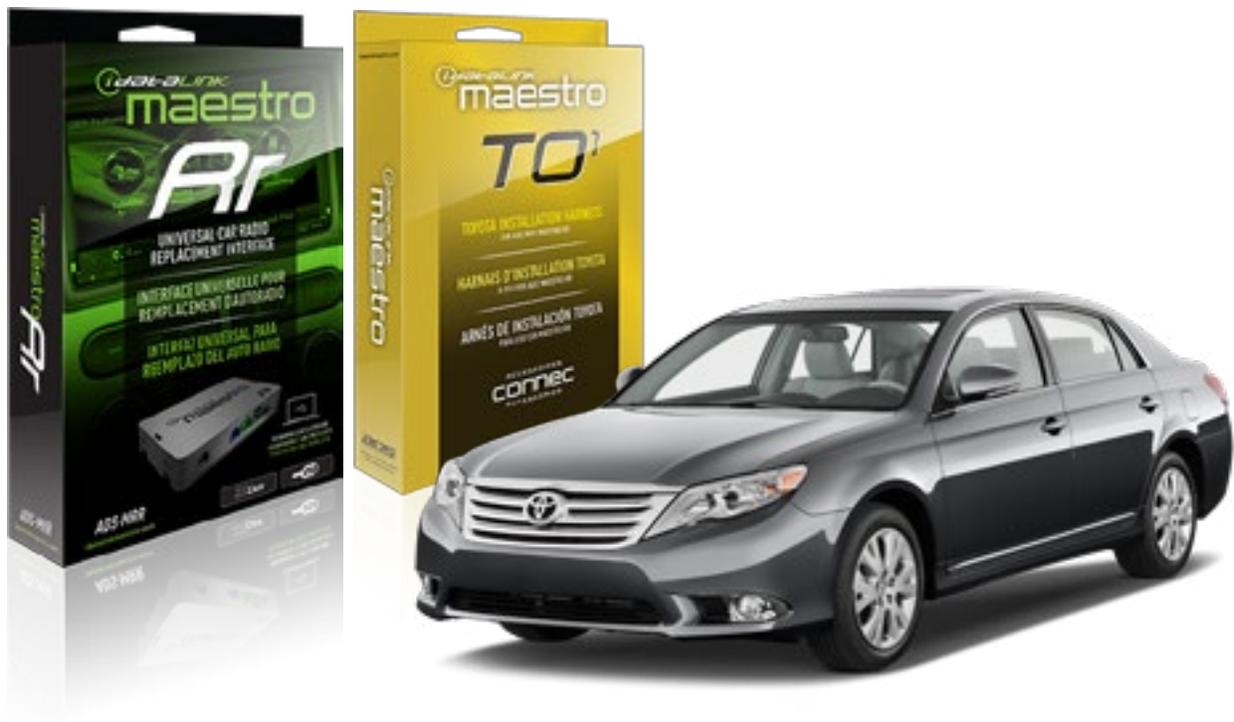
OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Red	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

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iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

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#### OPTIONAL ACCESSORIES



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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

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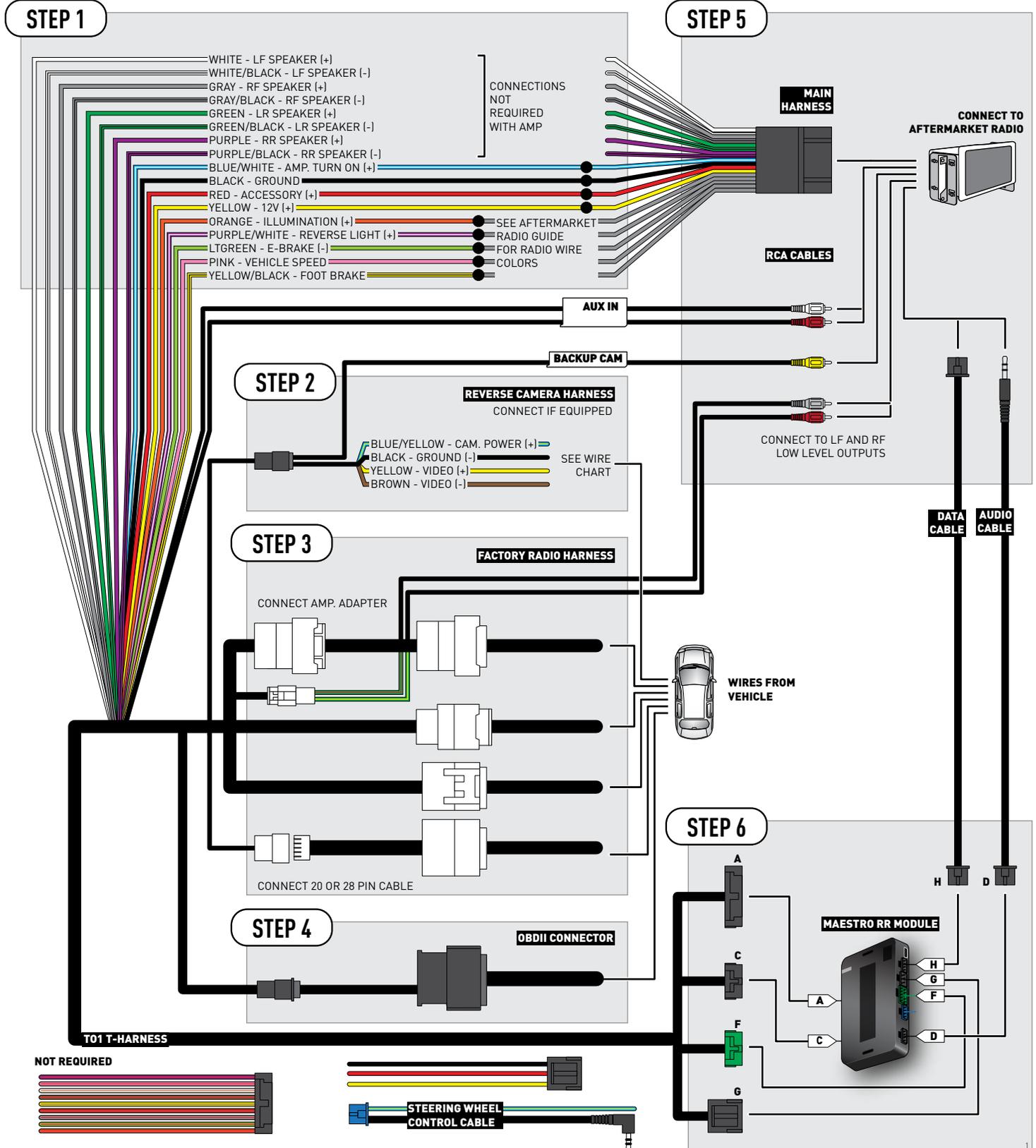
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



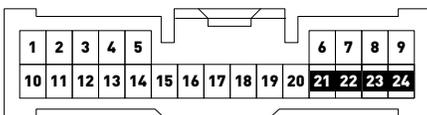
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Green	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Blue	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Pink	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

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# INSTALLATION INSTRUCTIONS

## STEP 1

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

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
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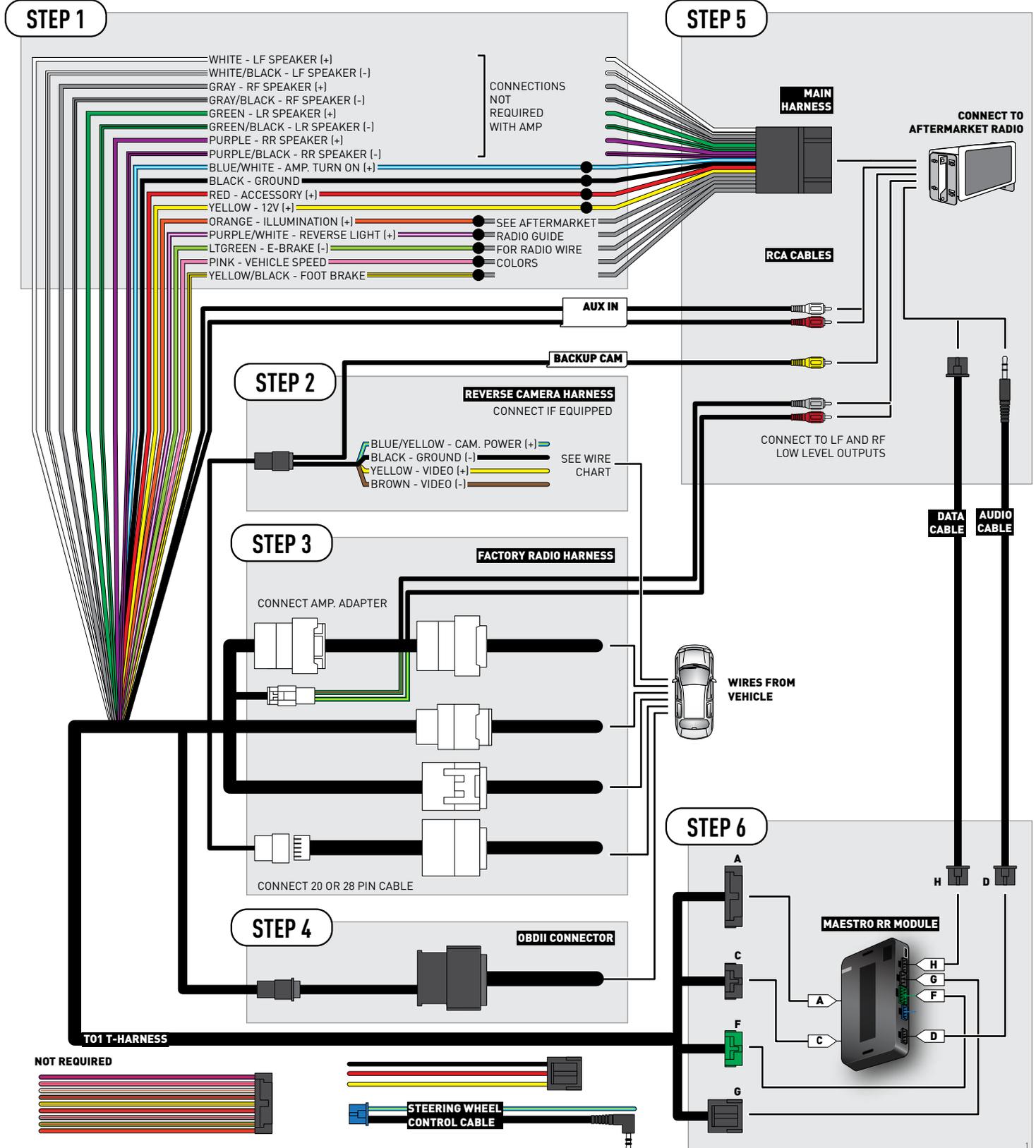
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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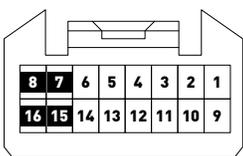
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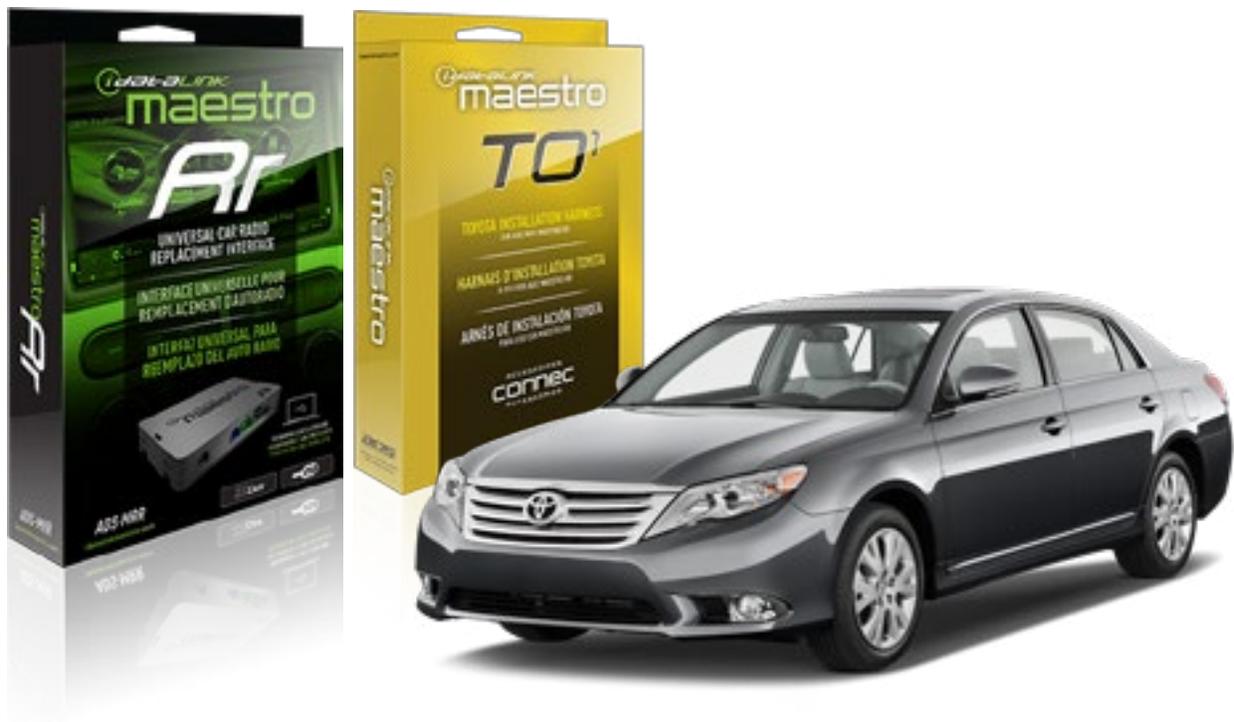
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- Plug the OBDII connector into the OBDII of the vehicle, under driver dash.

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- Plug the Data cable to the data port of the aftermarket radio.
- Insert the Audio cable into the iDatalink 3.5 mm audio jack of the aftermarket radio.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

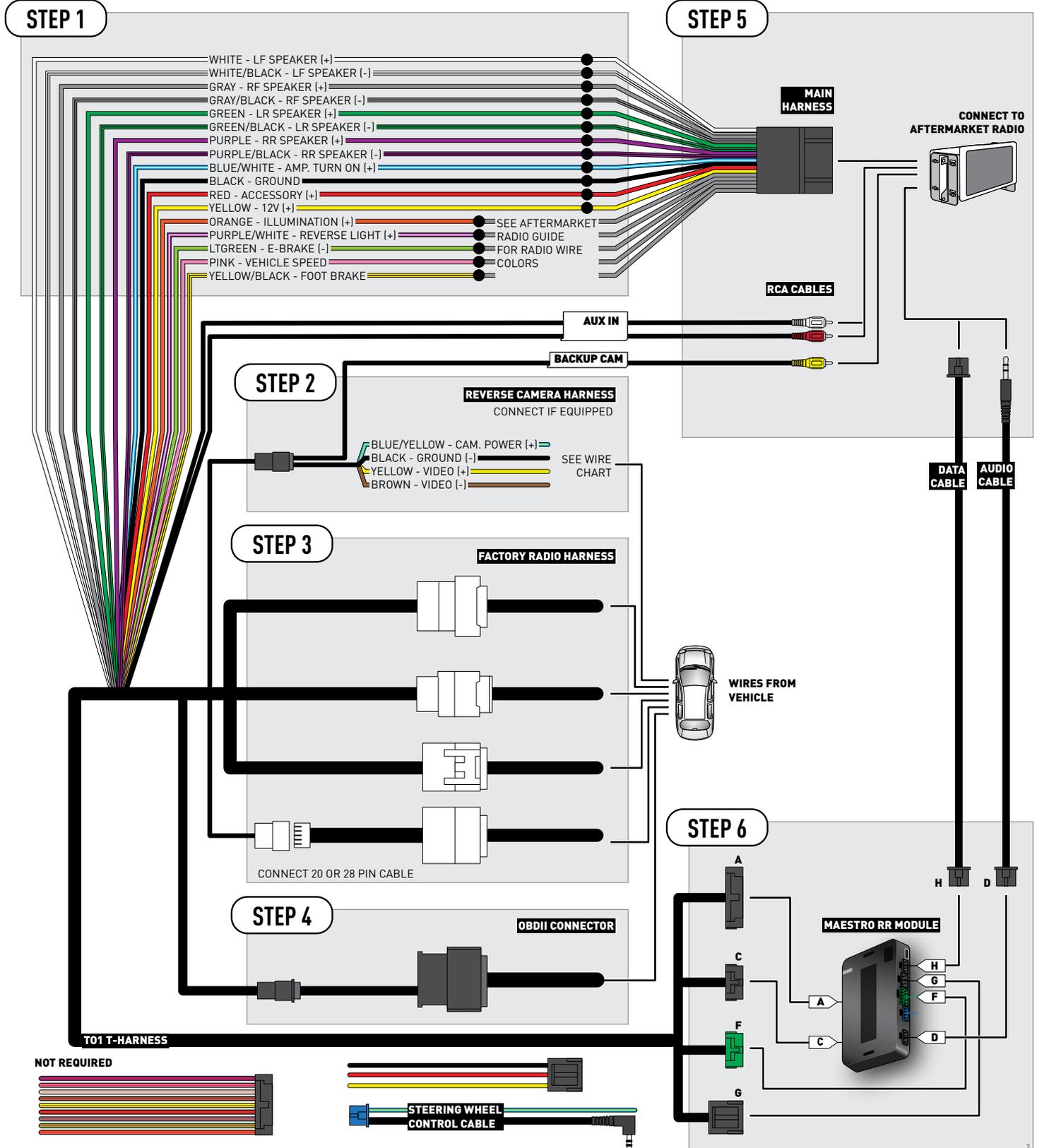
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail "maestro.support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voldata.com/forum/"

# WIRING DIAGRAM *without an Amplifier*



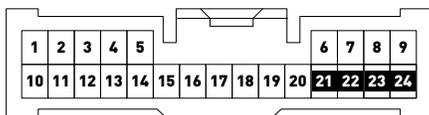
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

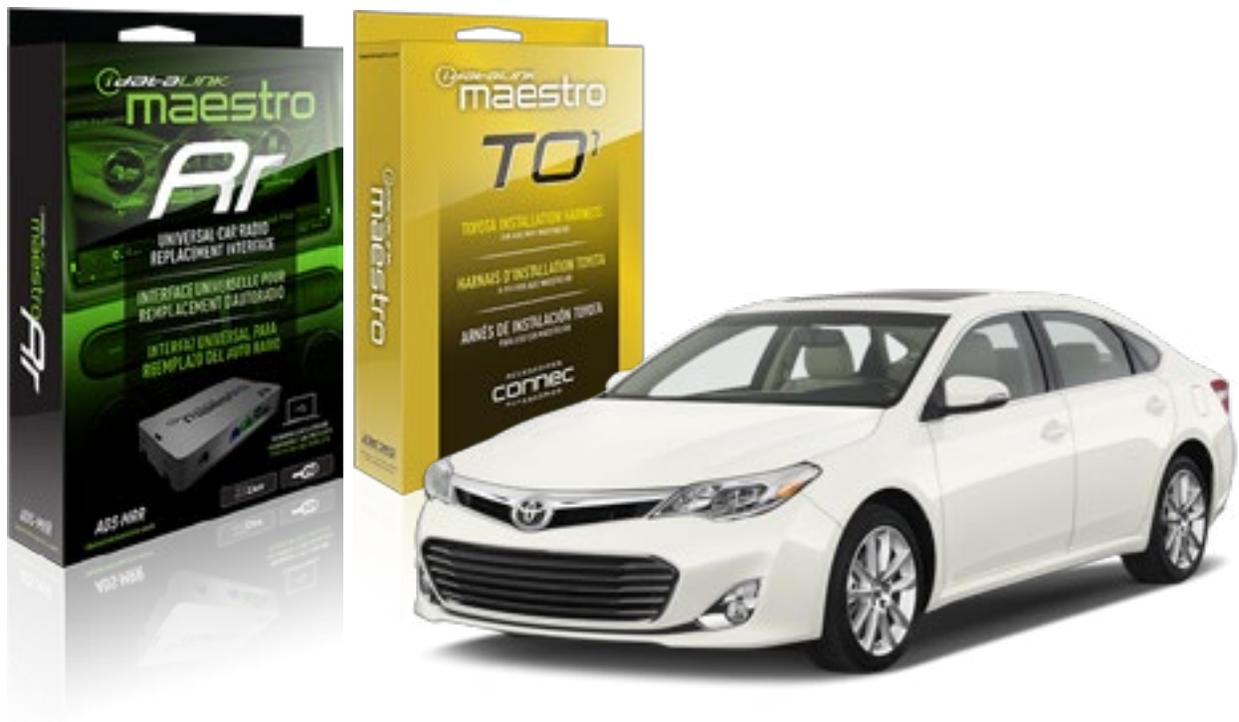
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Green	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Blue	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Pink	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



Click here for:

[Radar Integration Installation Guide](#)

[Radar Integration Owner's Guide for Kenwood and JVC Radios](#)

# 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?

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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

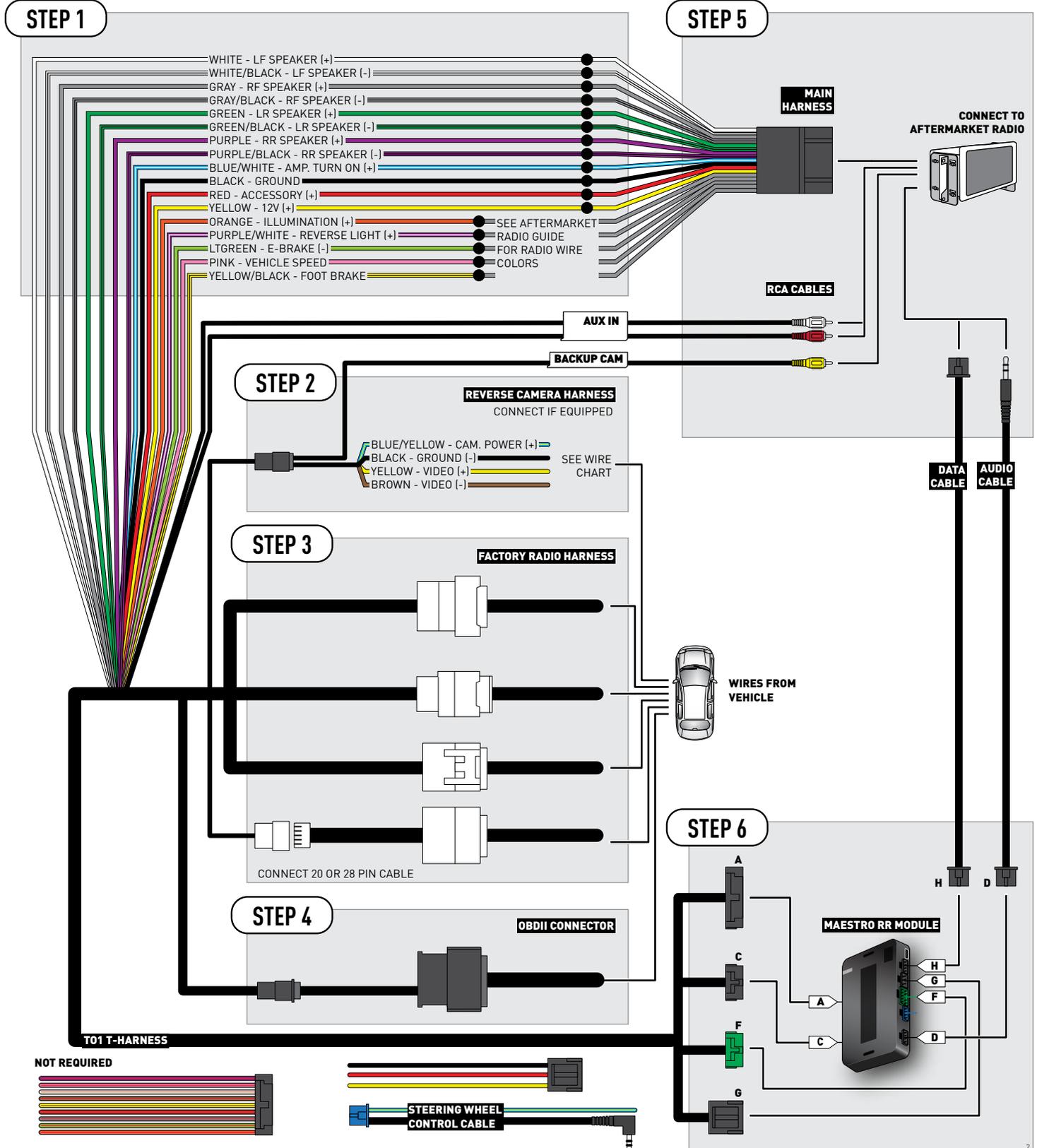
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



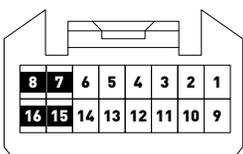
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

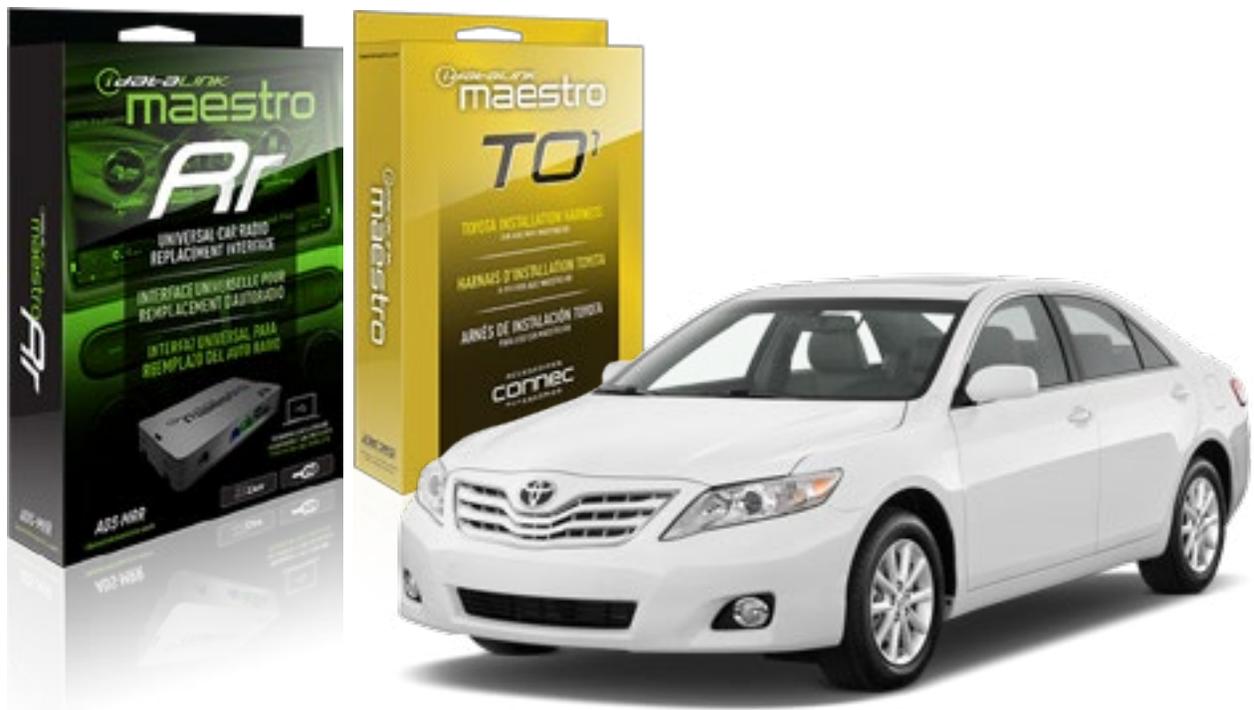
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Red	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### 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.

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

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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

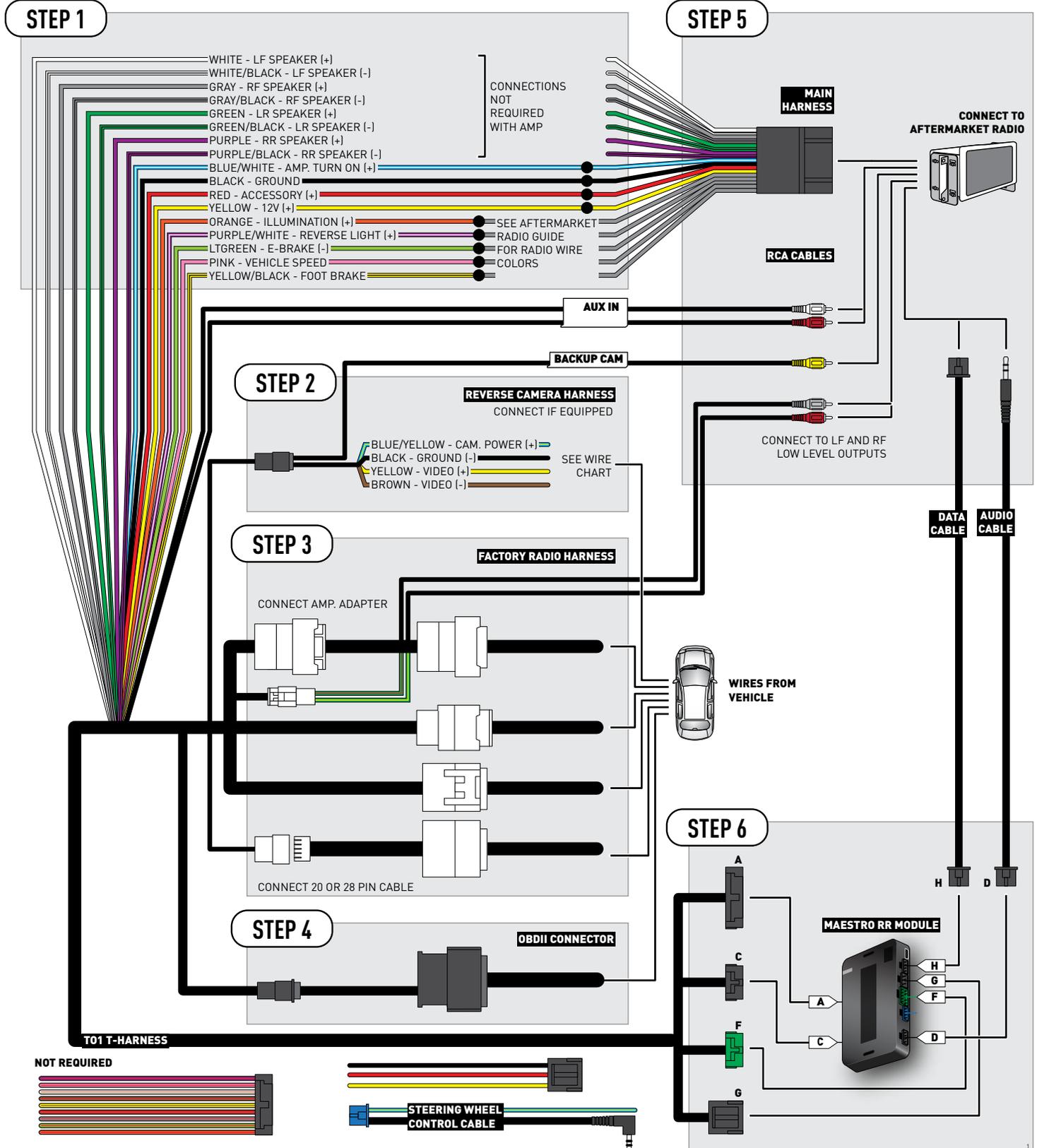
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



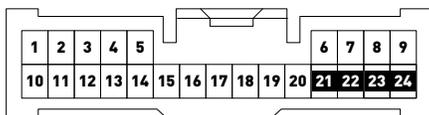
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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# WELCOME

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# 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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

**NOTE:**

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

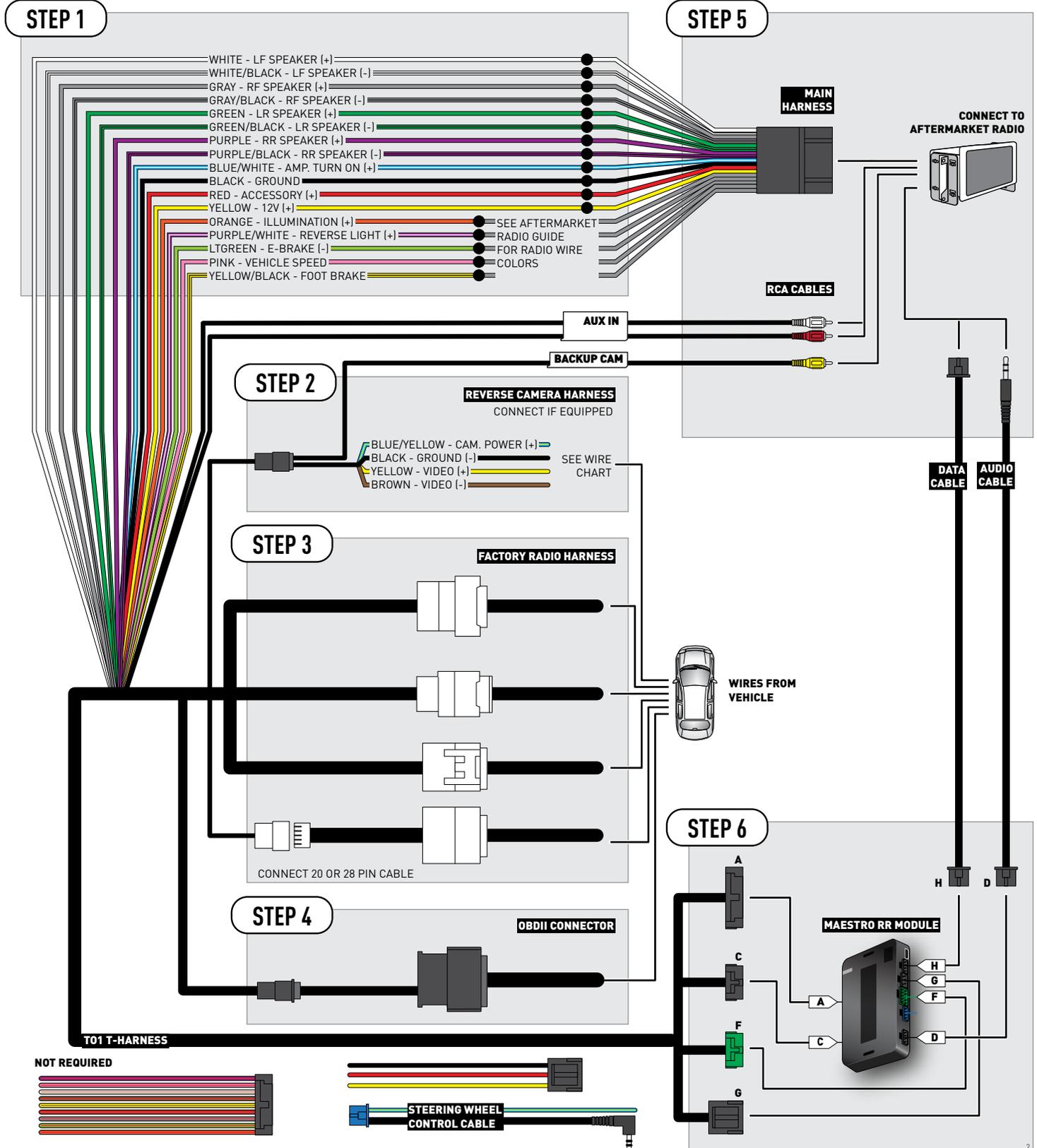
## STEP 6

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

## TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



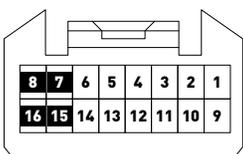
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

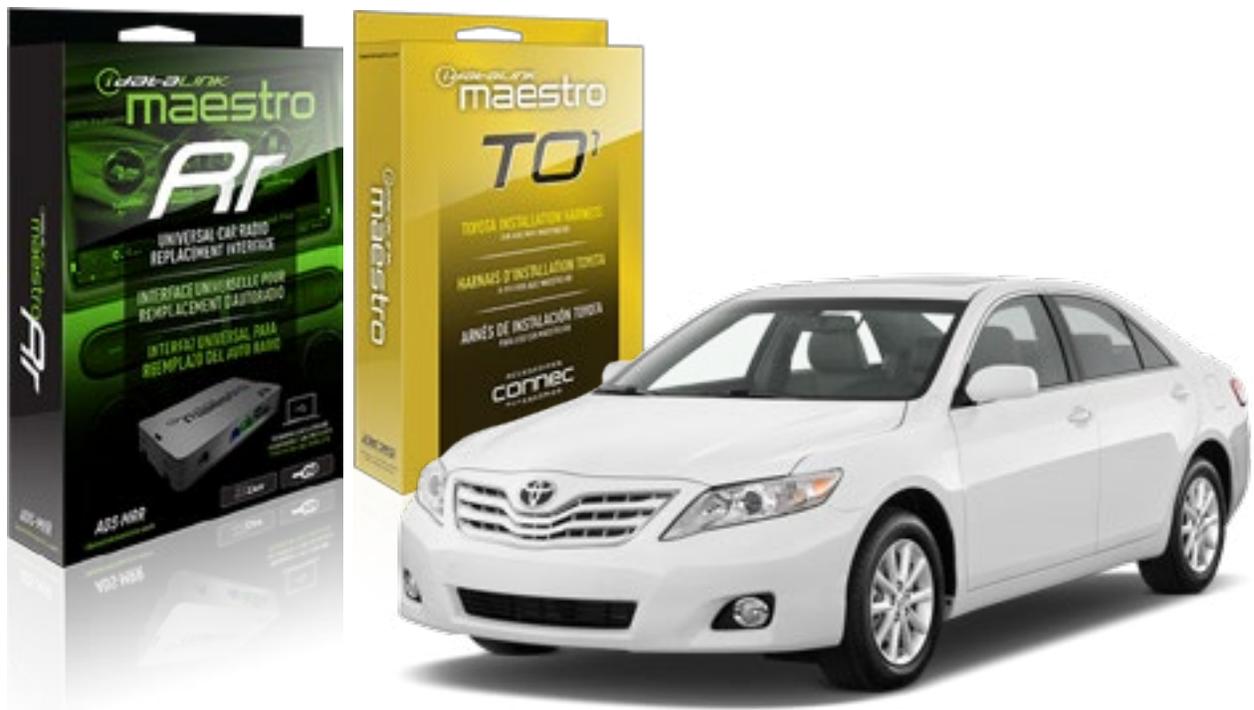
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	White	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Red	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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.

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# 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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

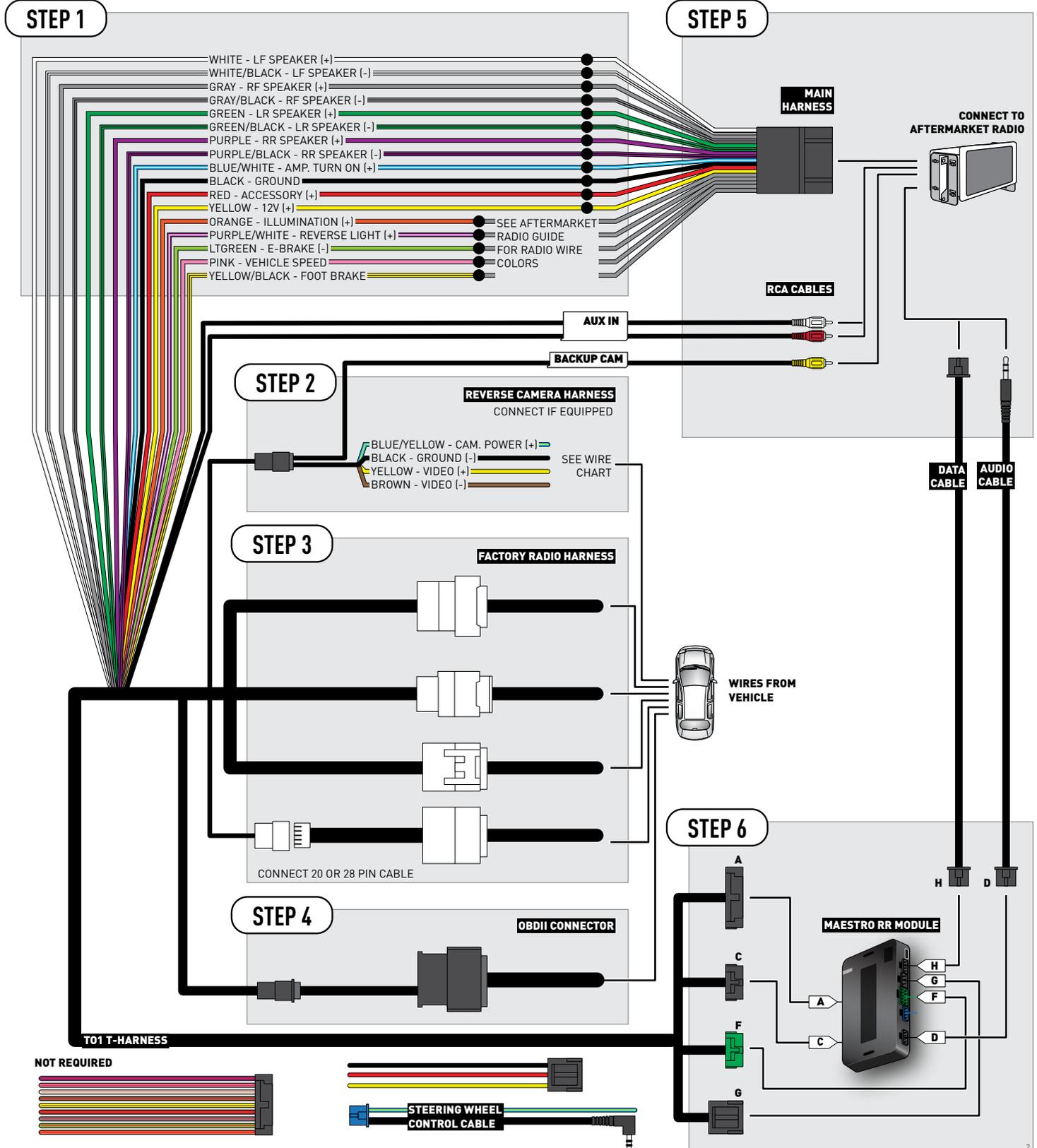
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



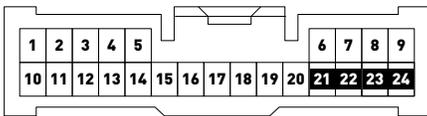
# RADIO WIRE REFERENCE CHART

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

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Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

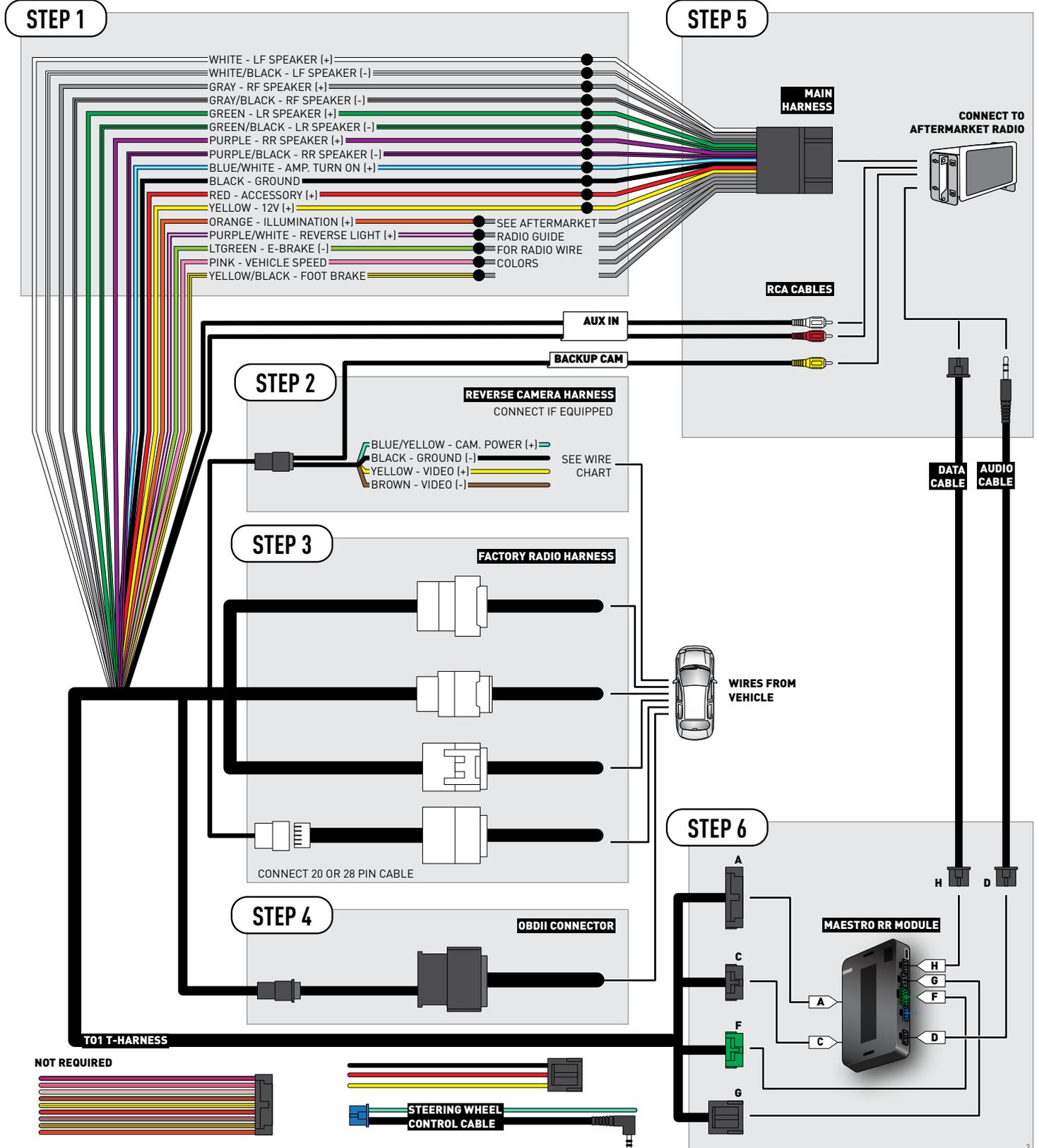
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- Connect all the harnesses to the Maestro RR module then test your installation.

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



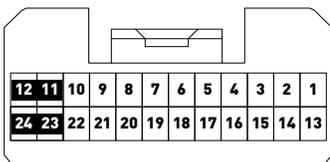
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White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

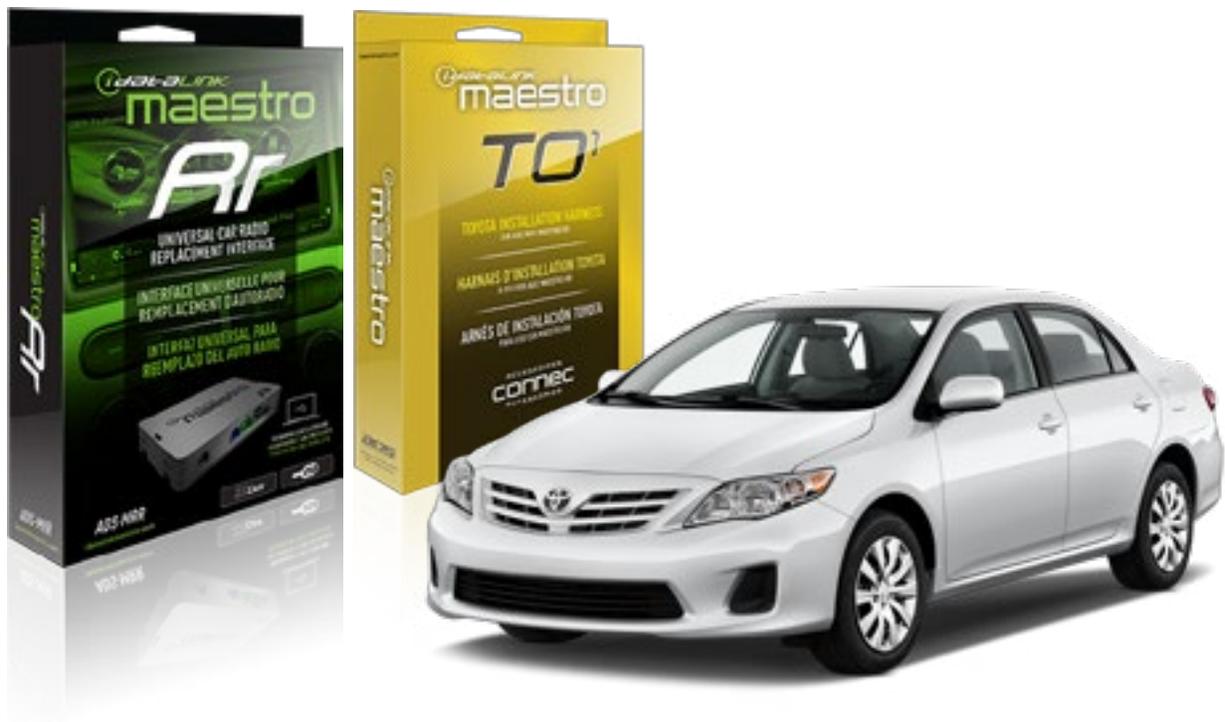
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



Click here for:

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# NEED HELP?

 1 866 427-2999

 [maestro.support@idatalink.com](mailto: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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

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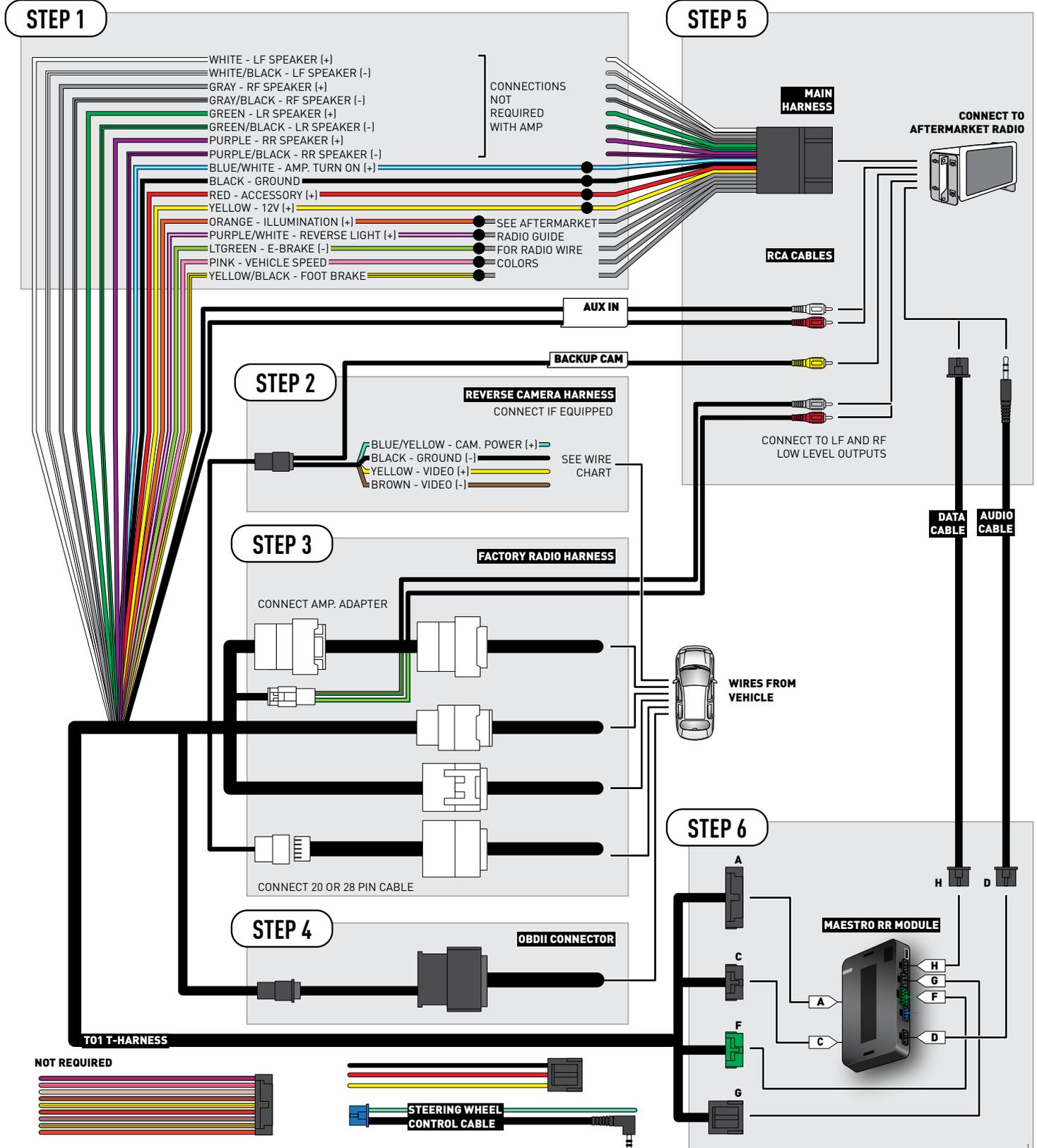
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



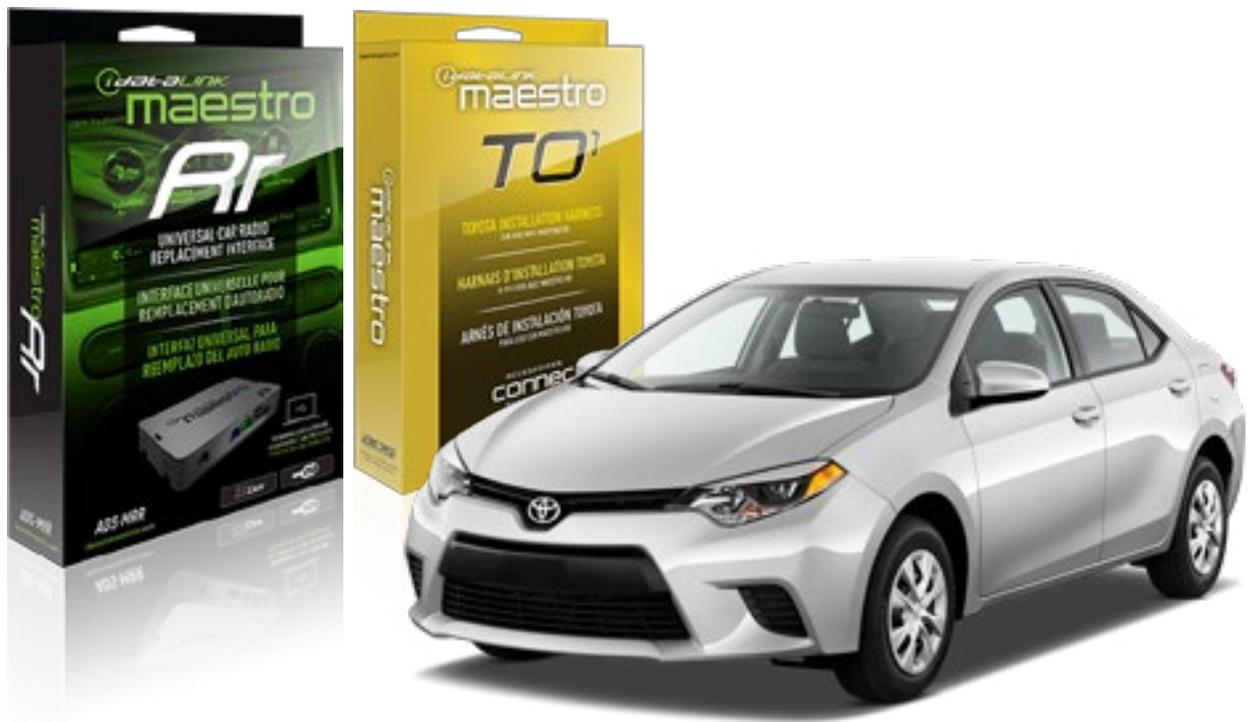
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



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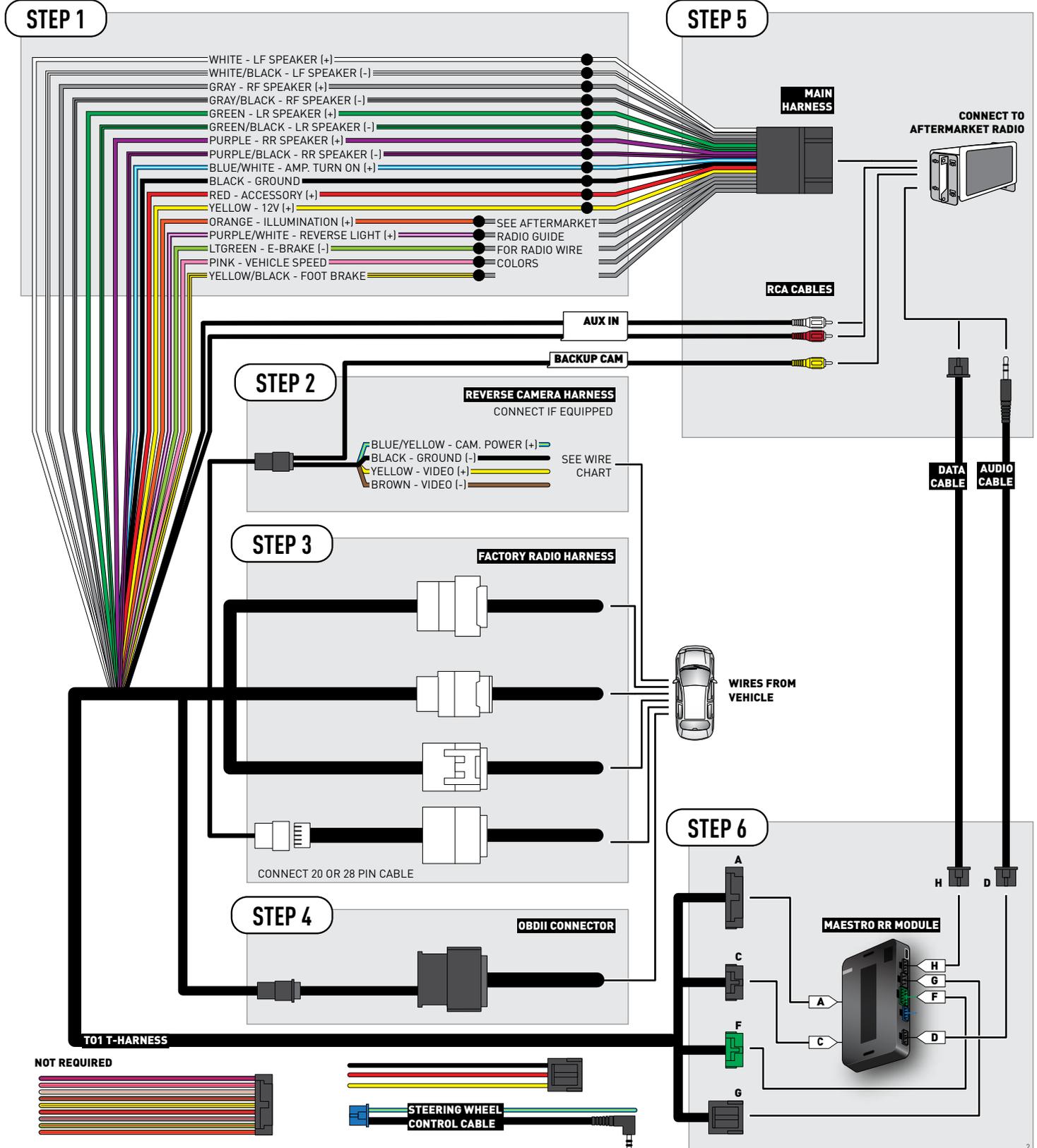
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- Connect all the harnesses to the Maestro RR module then test your installation.

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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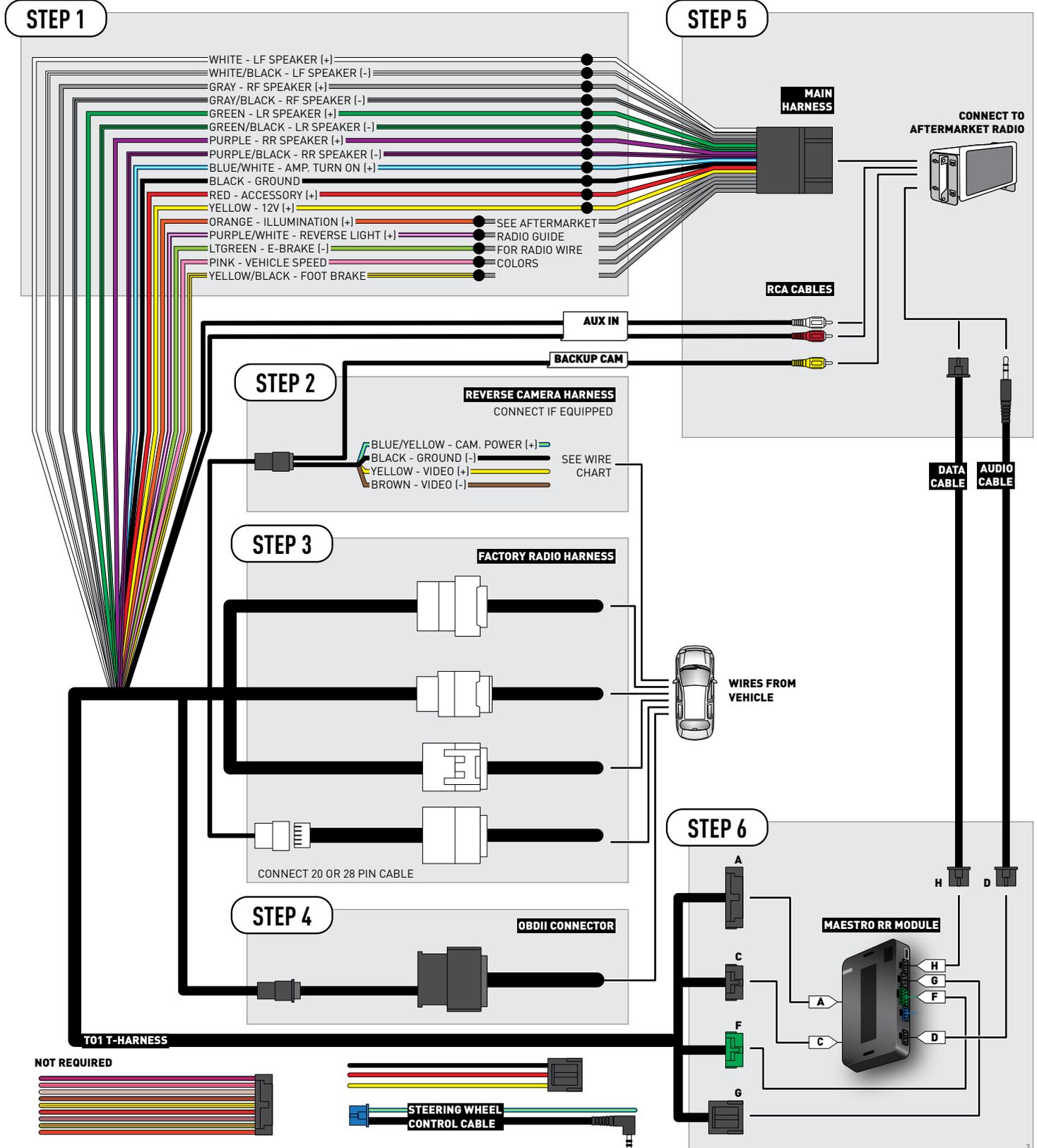
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- Connect all the harnesses to the Maestro RR module then test your installation.

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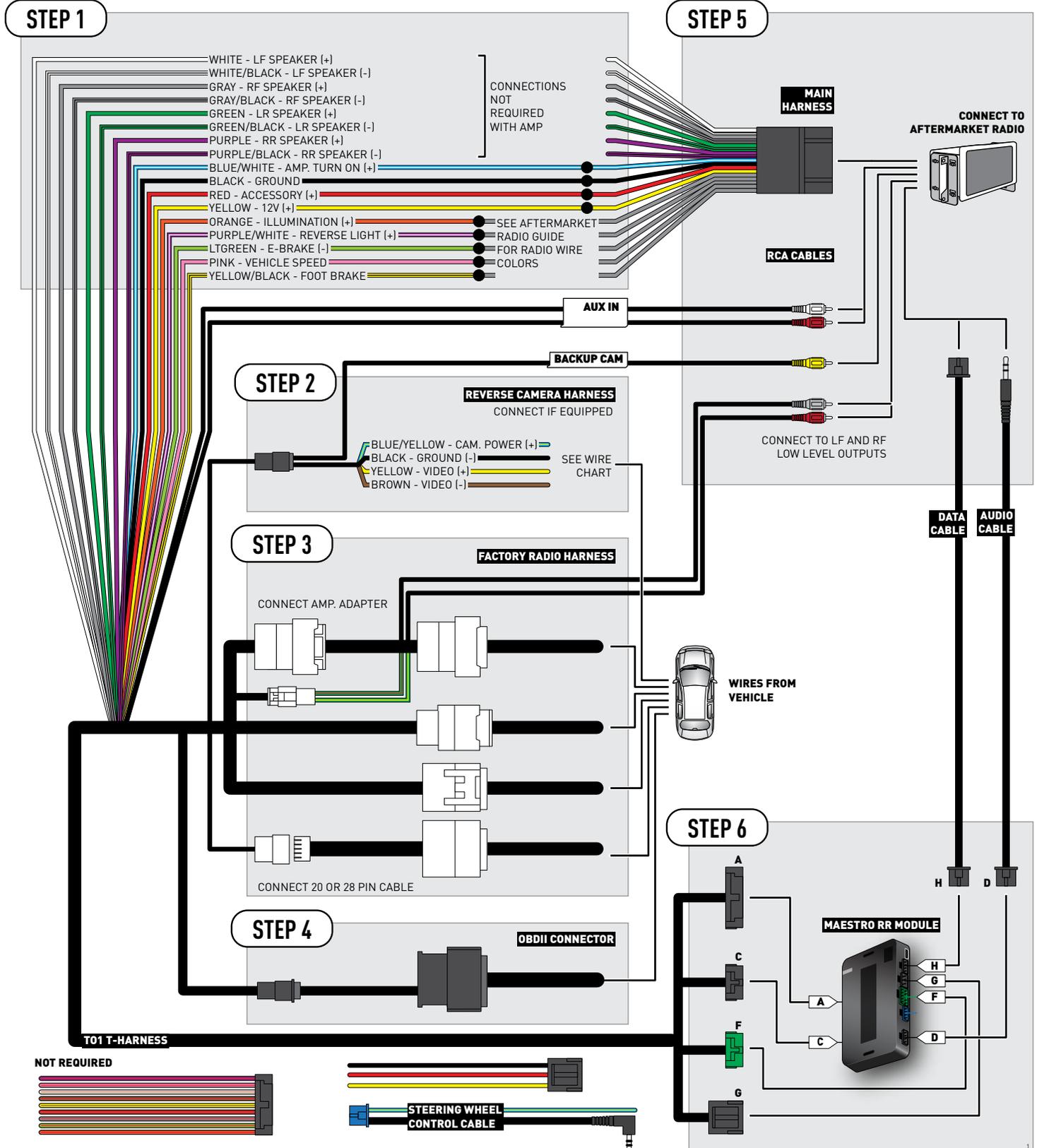
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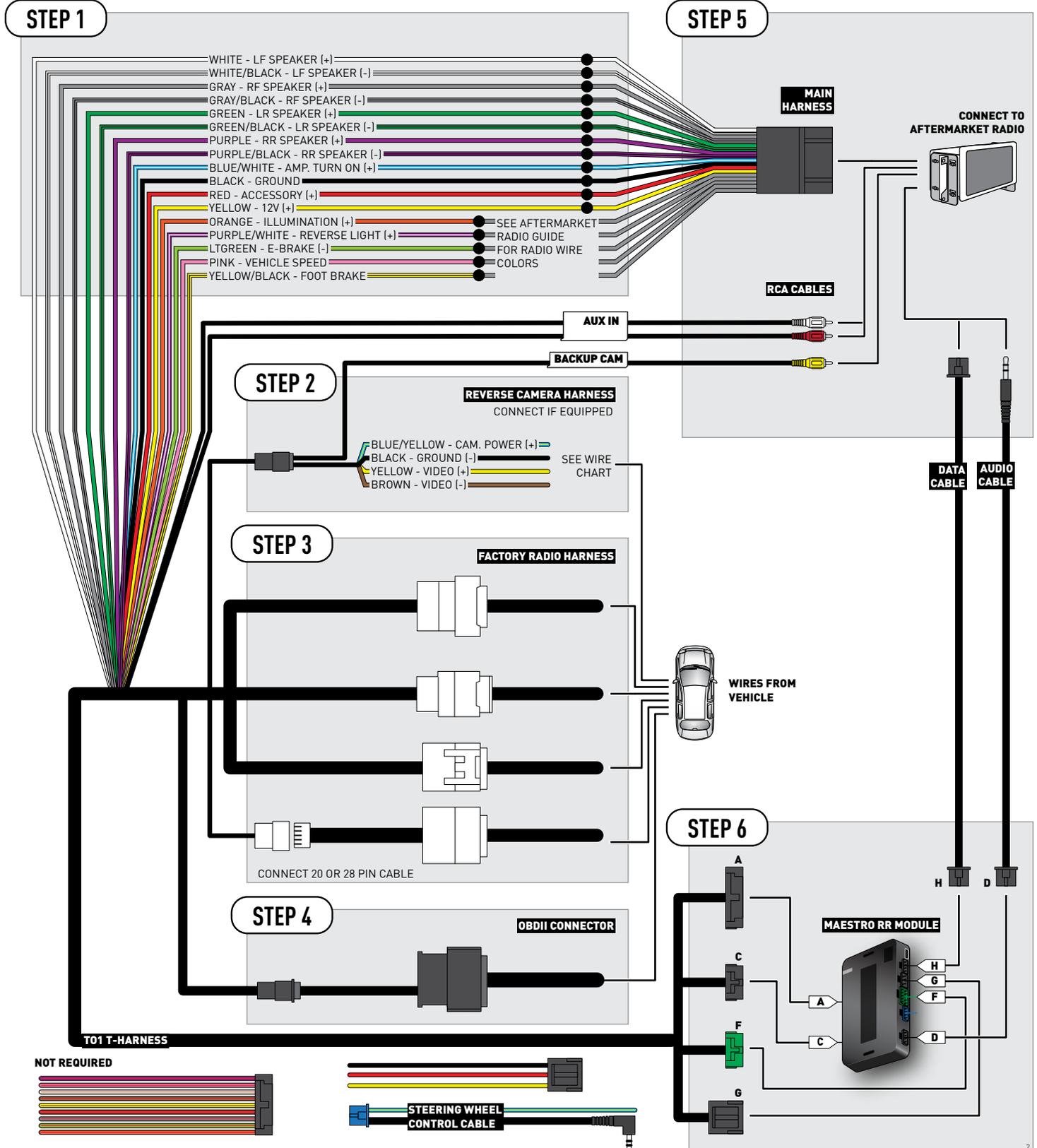
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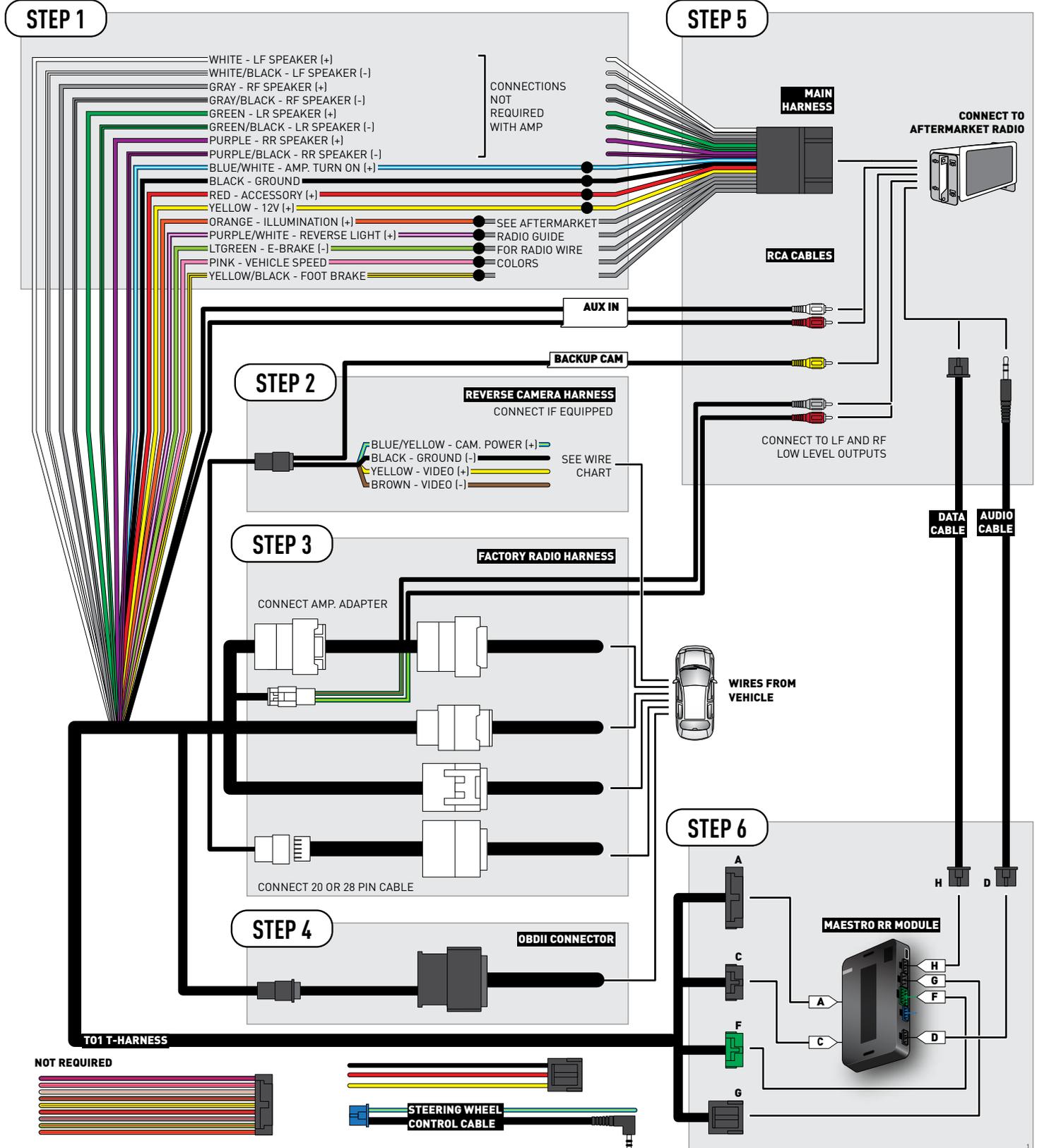
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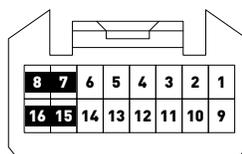
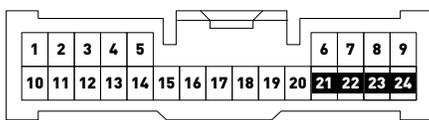
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Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



2013

TOYOTA HIGHLANDER  
WITH JBL

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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

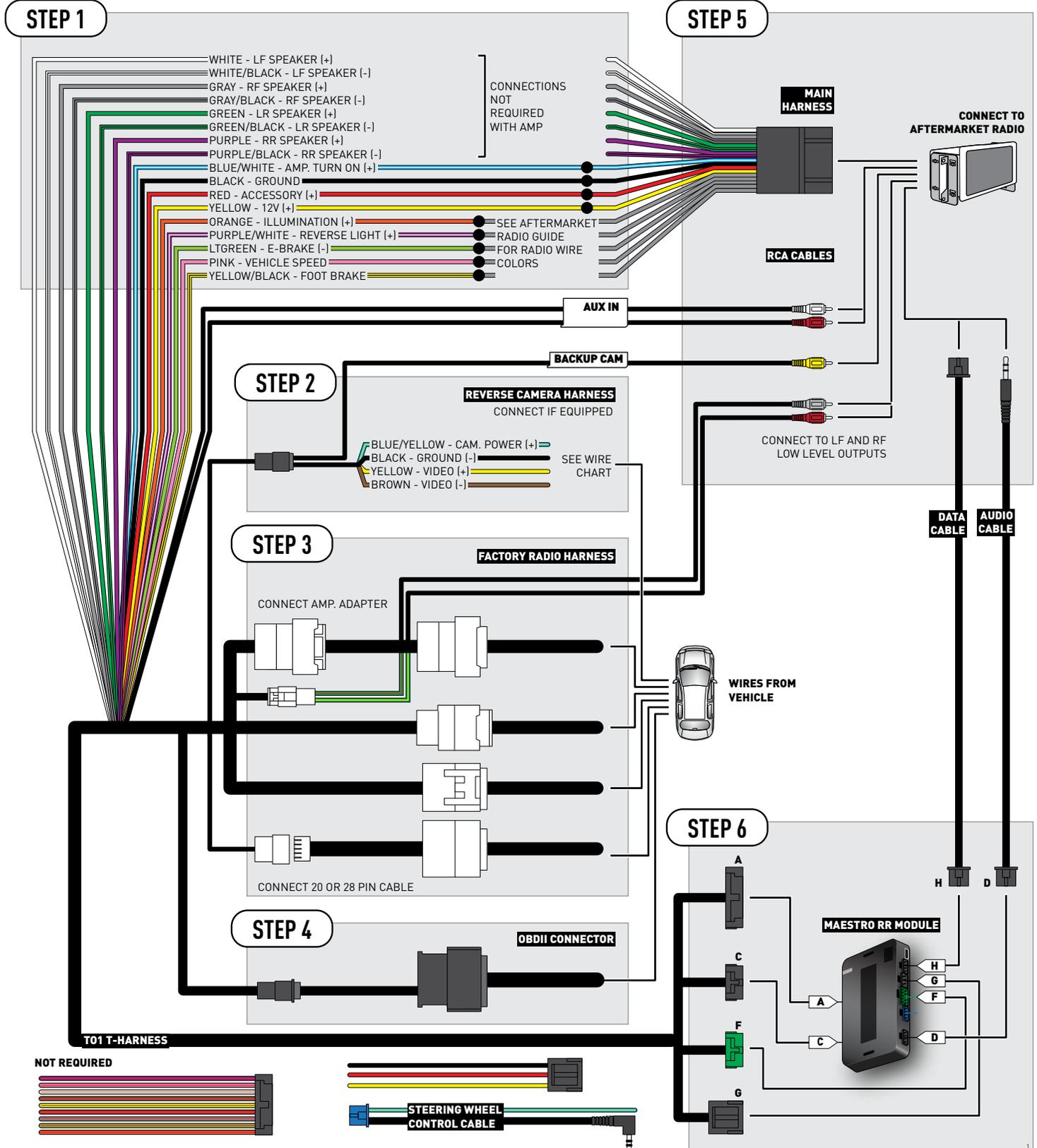
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail "maestro.support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voltdata.com/forum/"

# WIRING DIAGRAM *with an Amplifier*



# 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	N/A	N/A	N/A

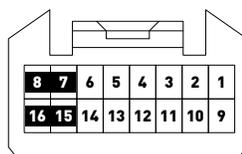
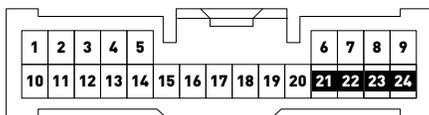
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



Click here for:

[Radar Integration Installation Guide](#)

[Radar Integration Owner's Guide for Kenwood and JVC Radios](#)

# 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](mailto:maestro.support@idatalink.com)

 [maestro.idatalink.com/support](http://maestro.idatalink.com/support)  
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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

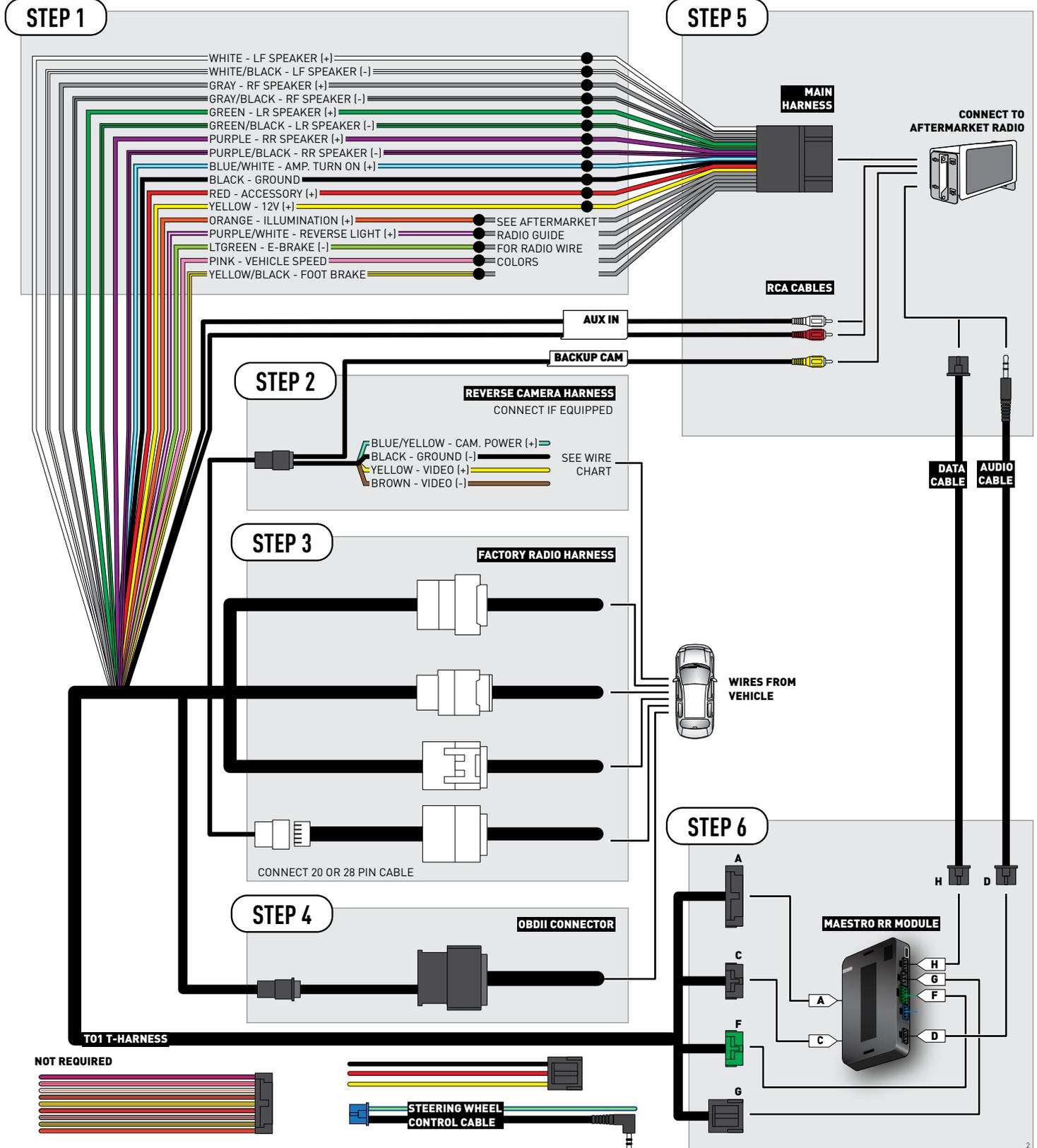
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



# 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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

2013

TOYOTA HIGHLANDER  
WITHOUT JBL

**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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## STEP 5

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- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- 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.

### NOTE:

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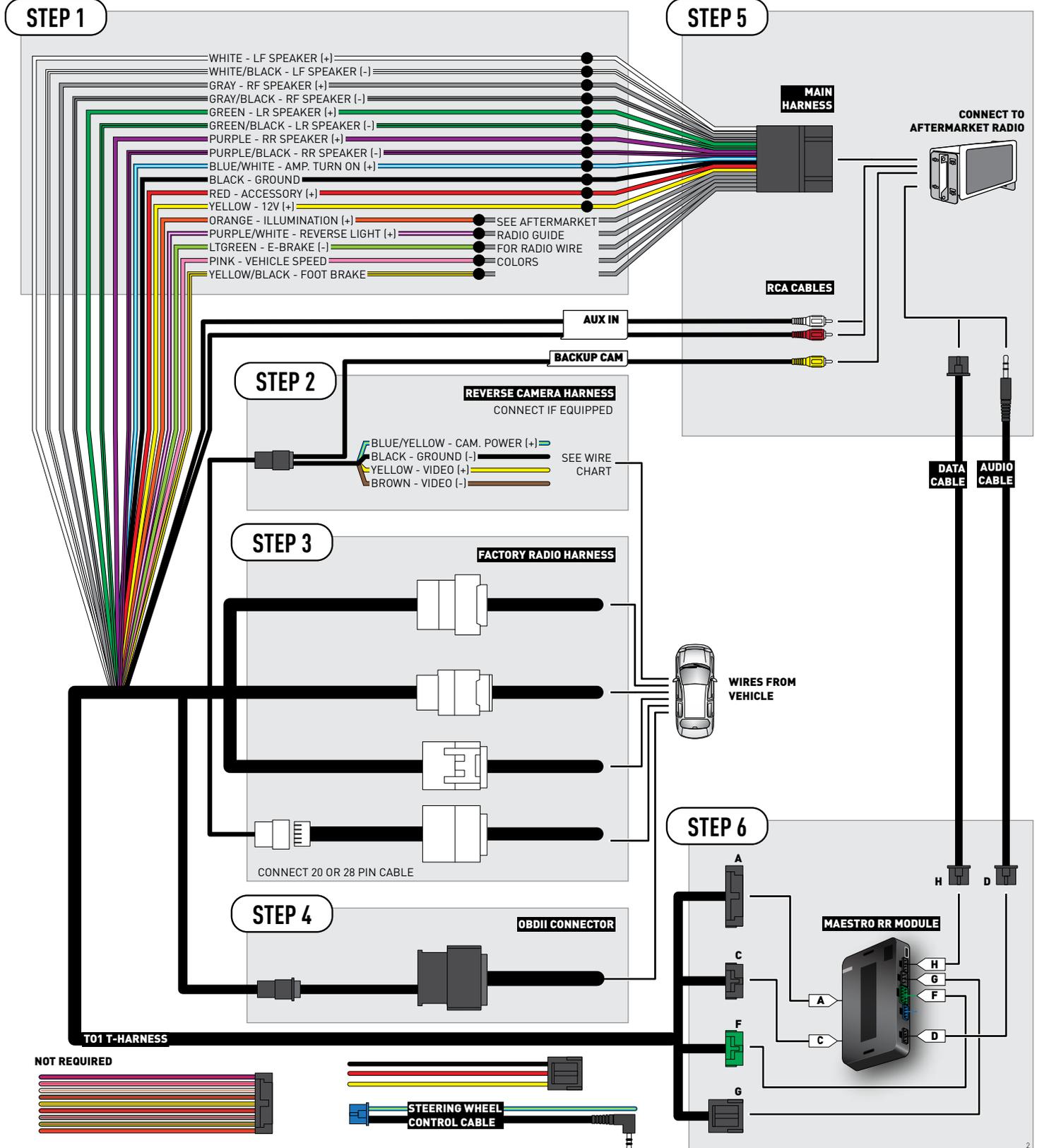
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



# RADIO WIRE REFERENCE CHART

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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	N/A	N/A	N/A

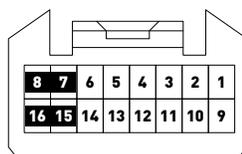
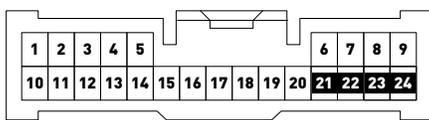
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

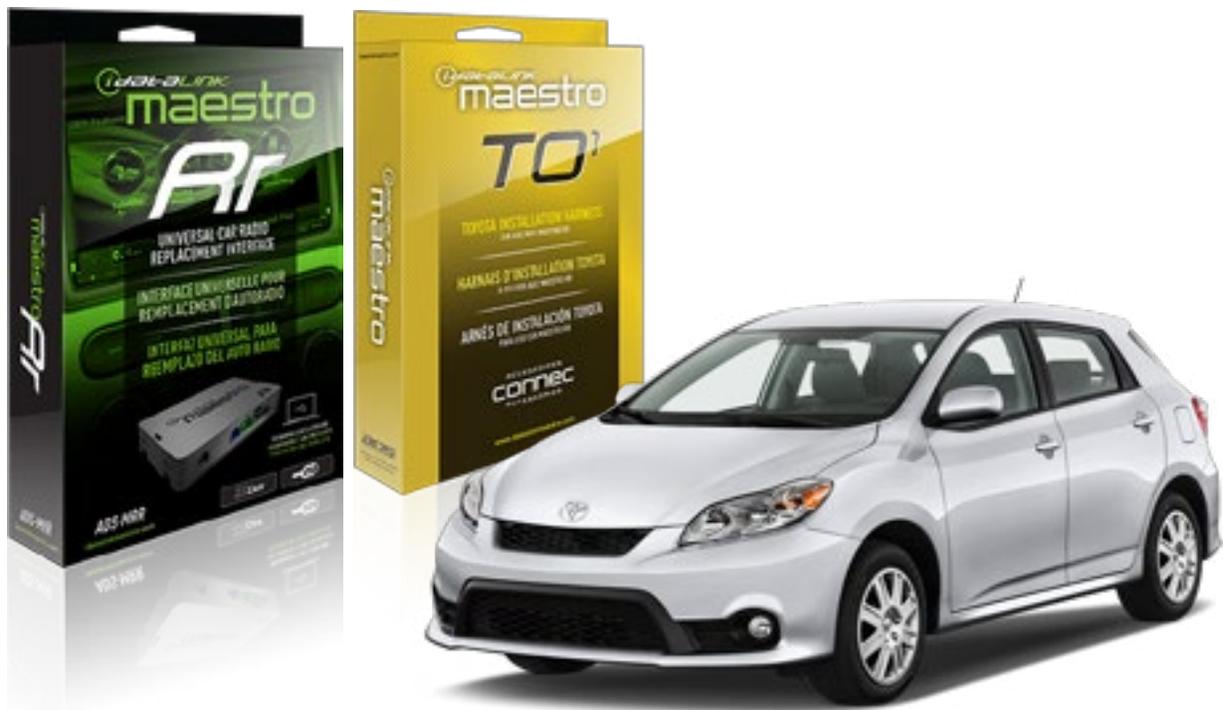
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Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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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?

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

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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

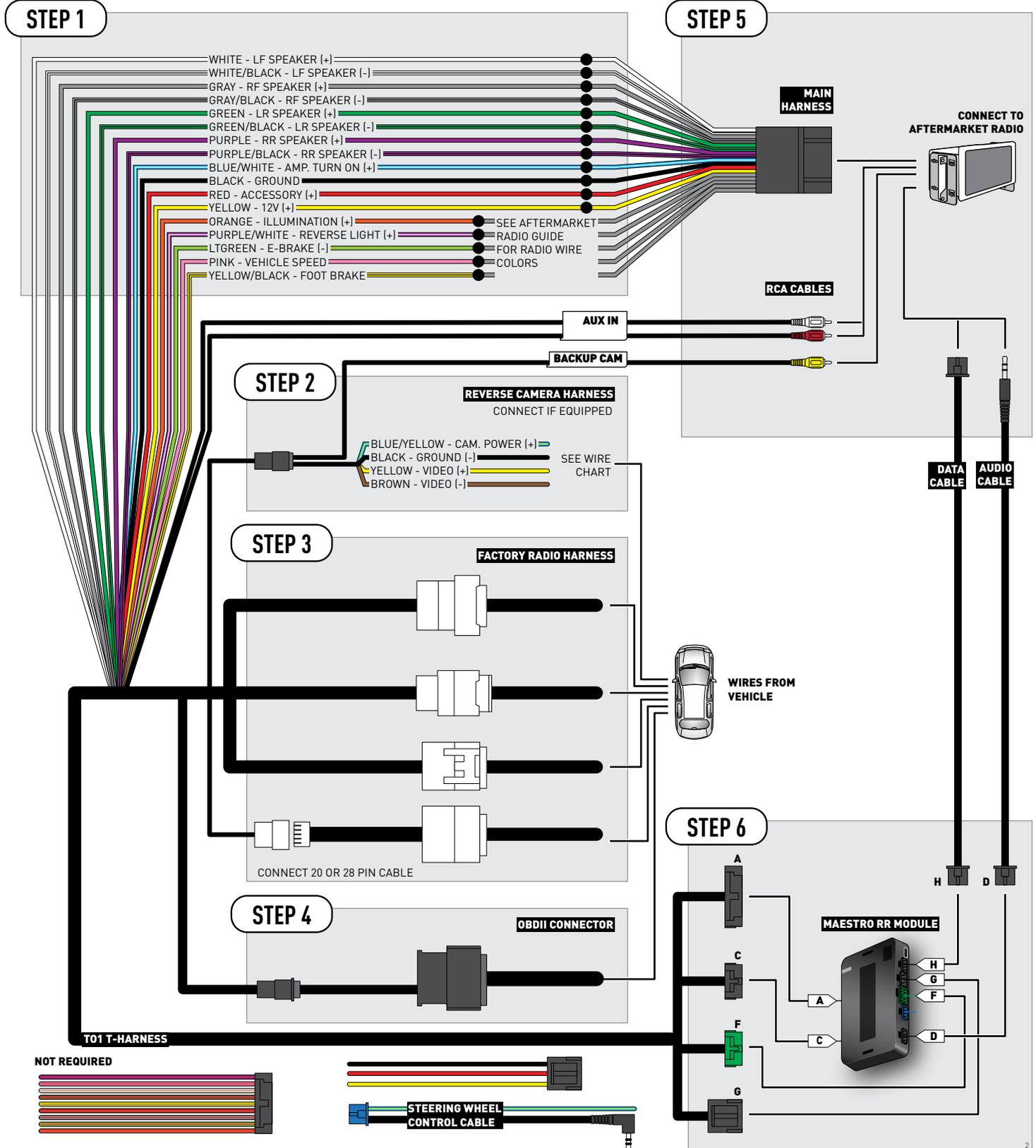
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



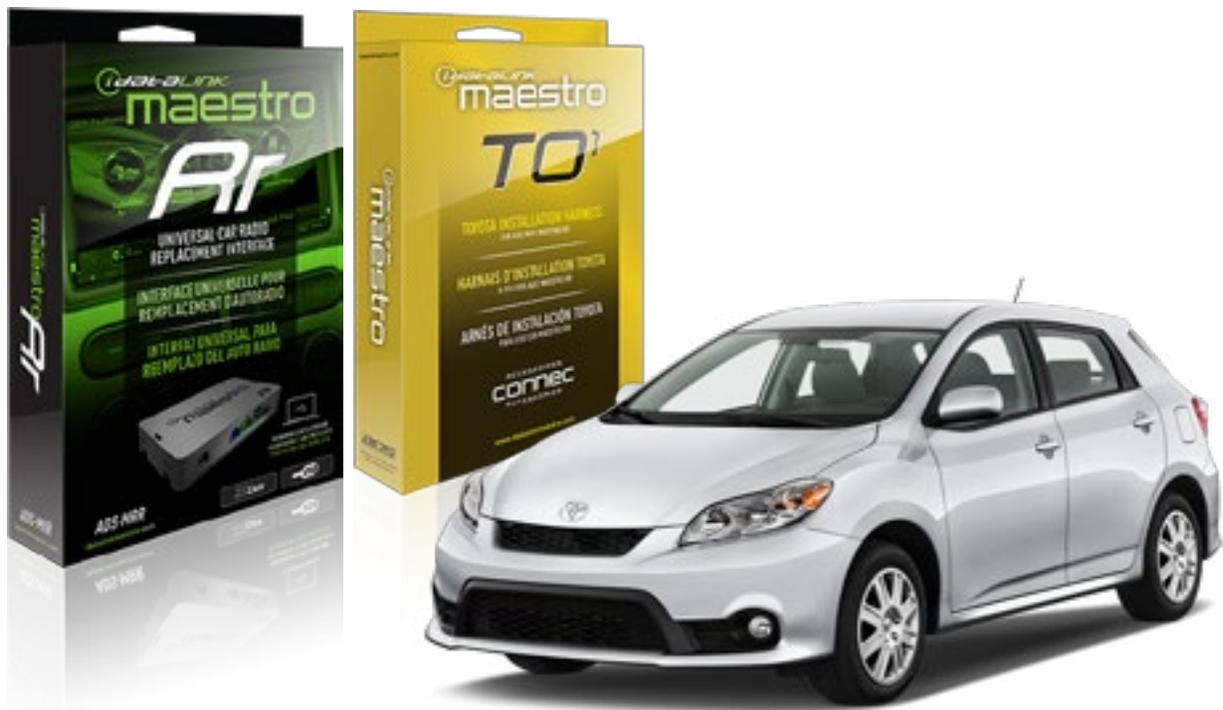
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
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#### PROGRAMMED FIRMWARE

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#### 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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# NEED HELP?

 1 866 427-2999

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

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- Remove the factory radio.

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## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

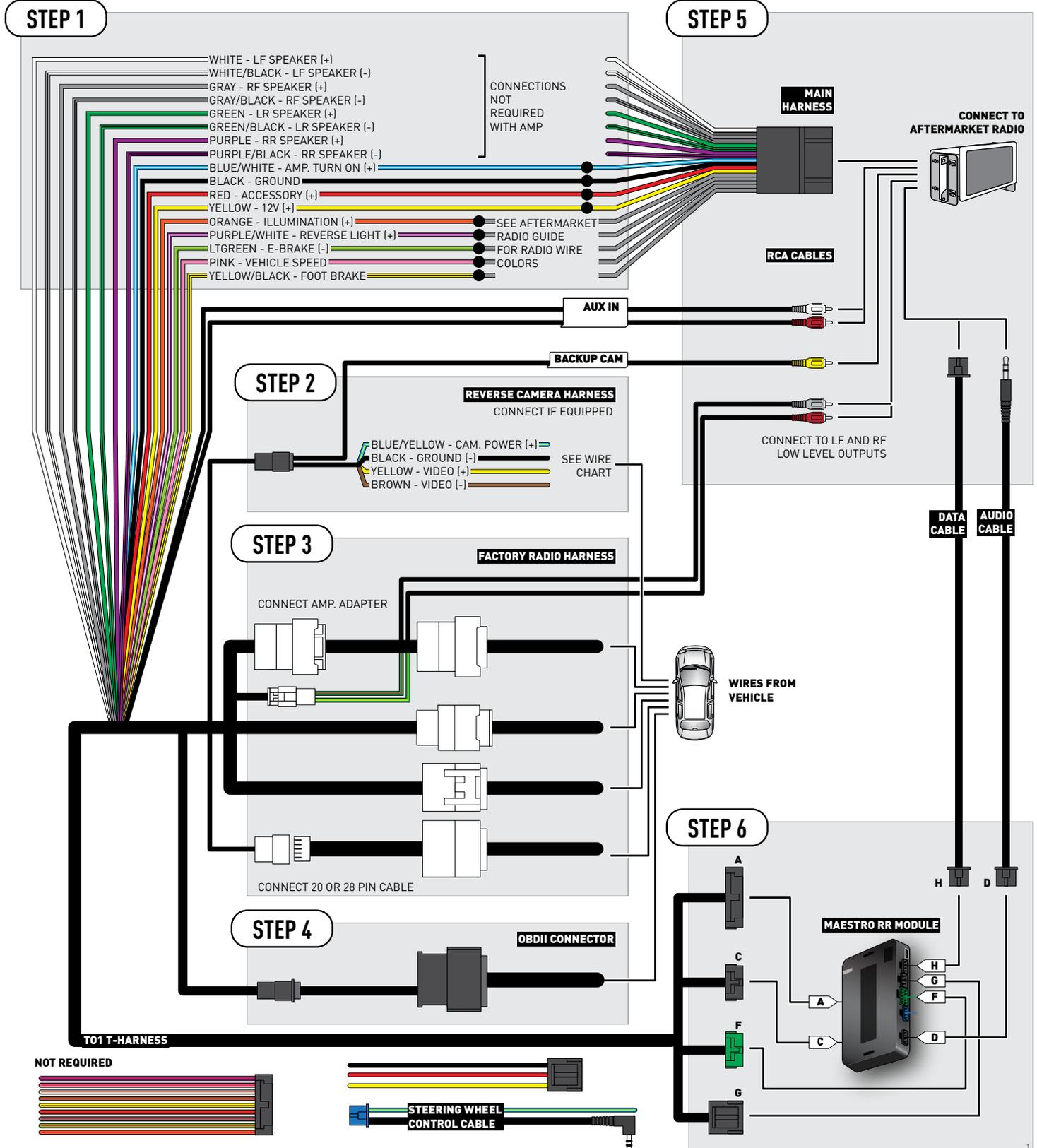
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



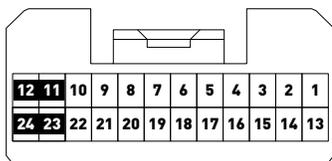
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

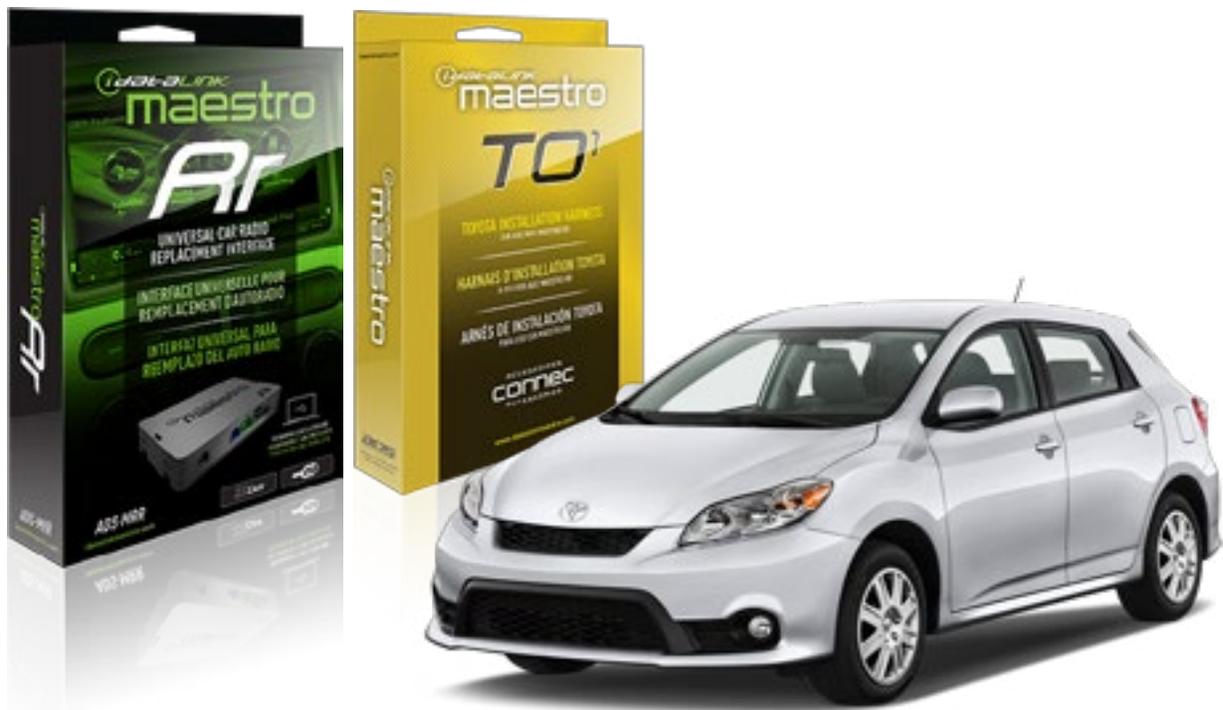
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Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
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## REVERSE CAMERA CONNECTOR (WIRE SIDE)



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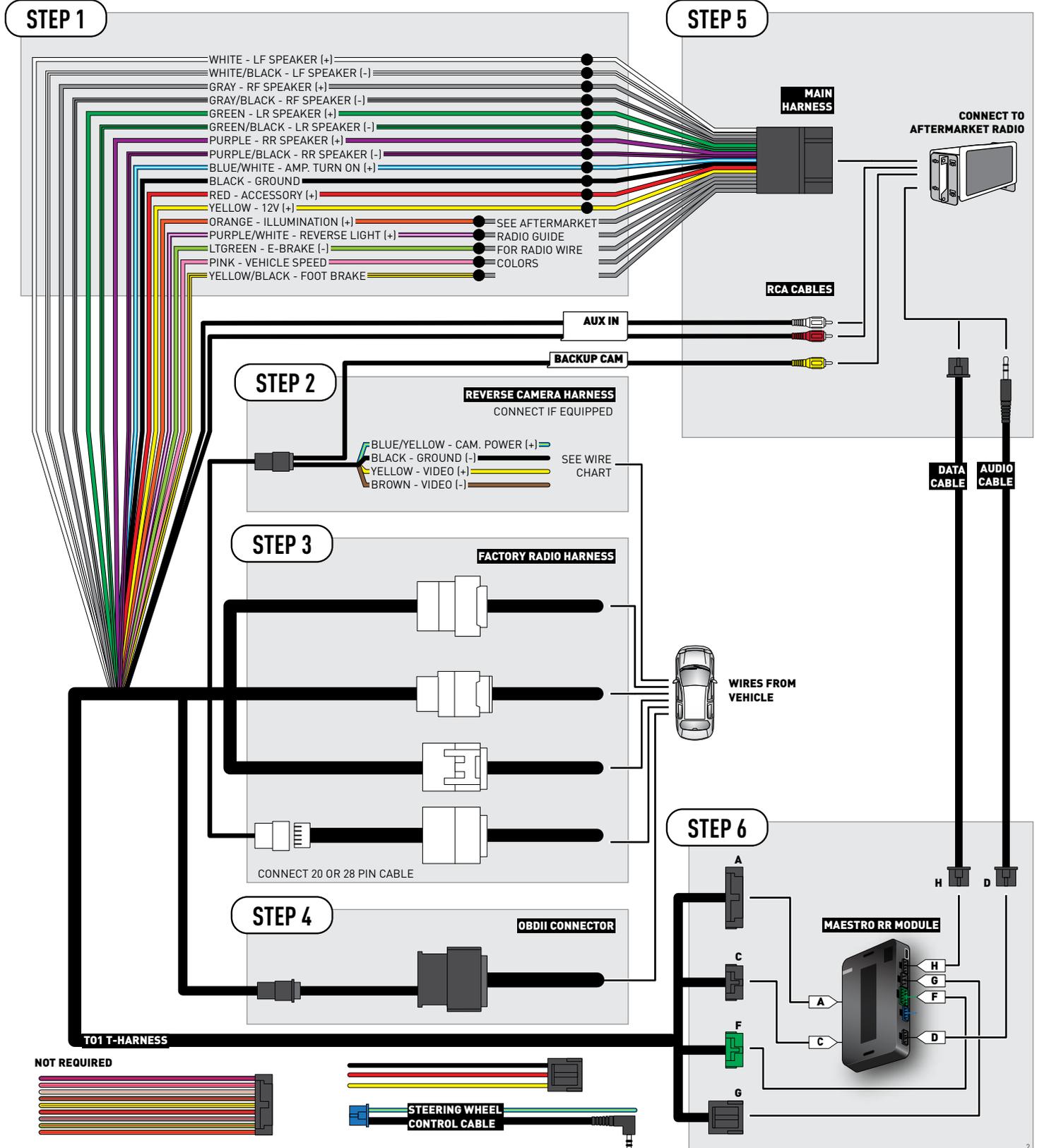
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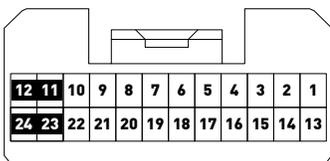
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White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

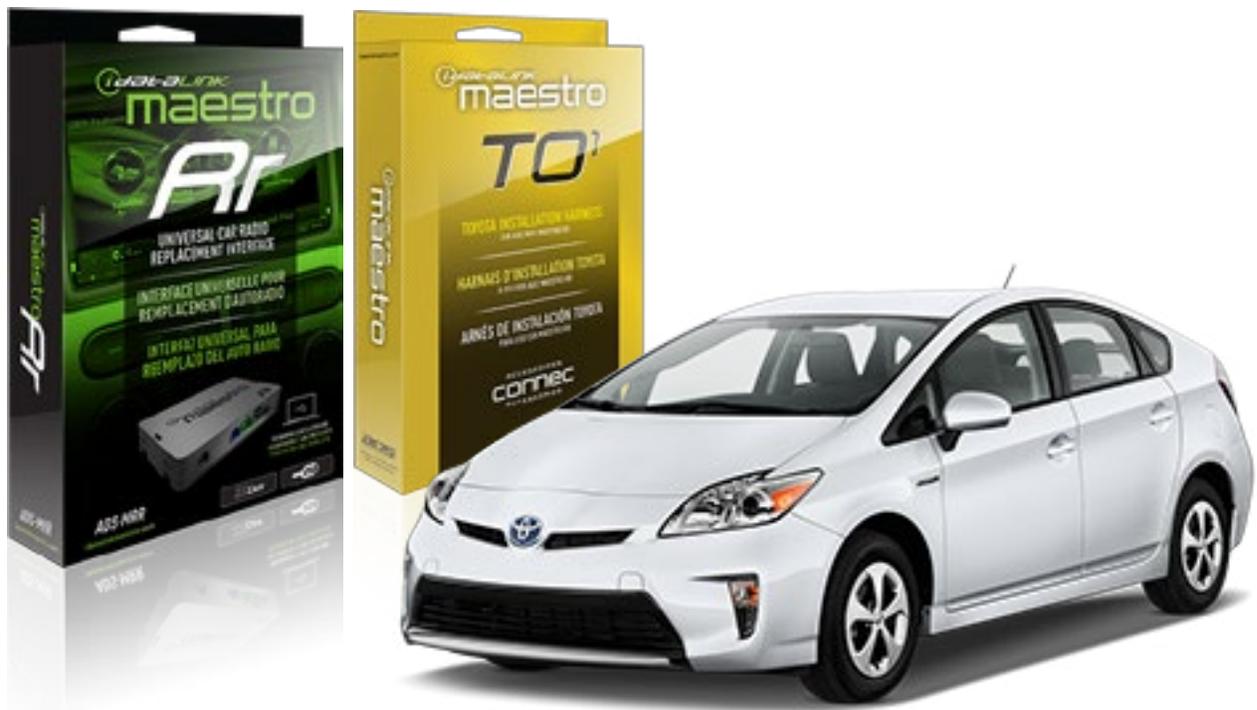
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



Click here for:

[Radar Integration Installation Guide](#)

[Radar Integration Owner's Guide for Kenwood and JVC Radios](#)

# 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](mailto:maestro.support@idatalink.com)

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[www.12voltdata.com/forum](http://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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

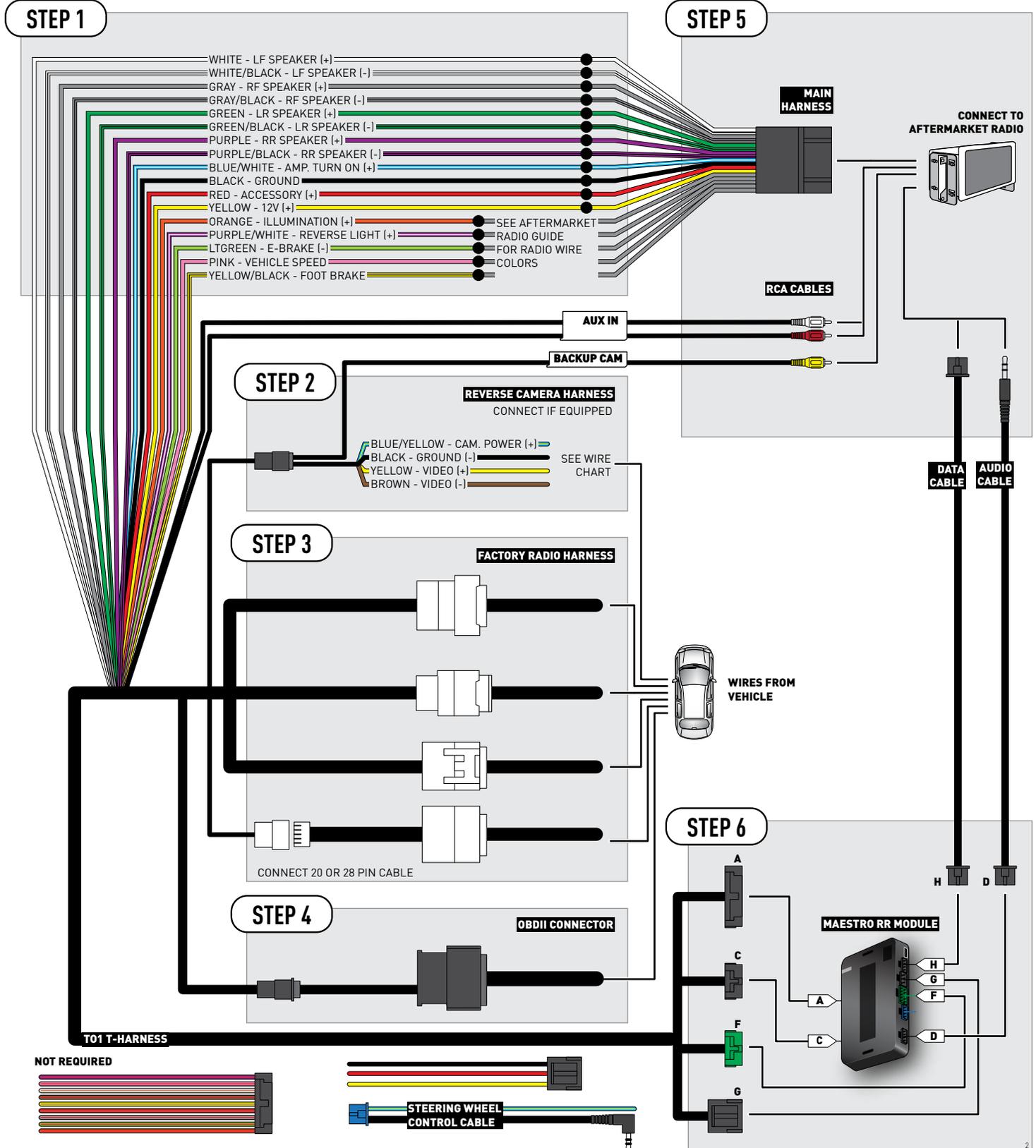
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



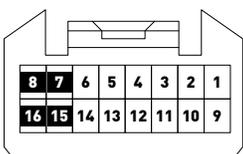
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

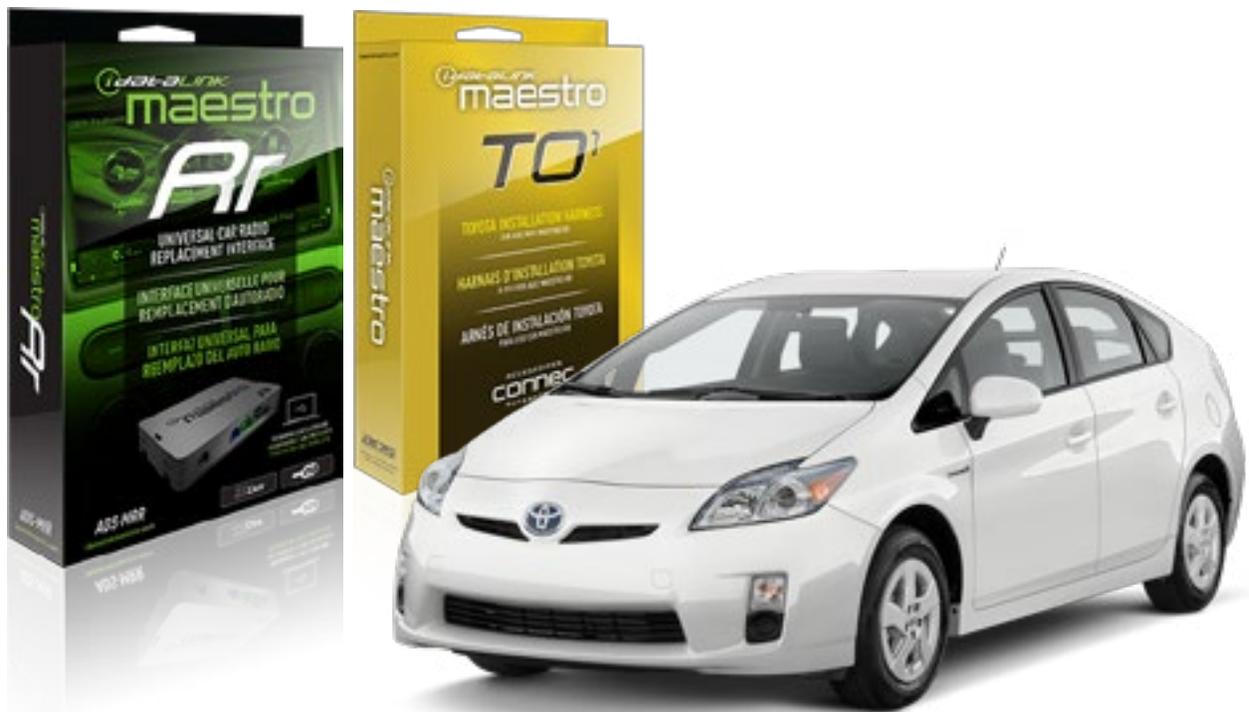
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	White	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### 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?

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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

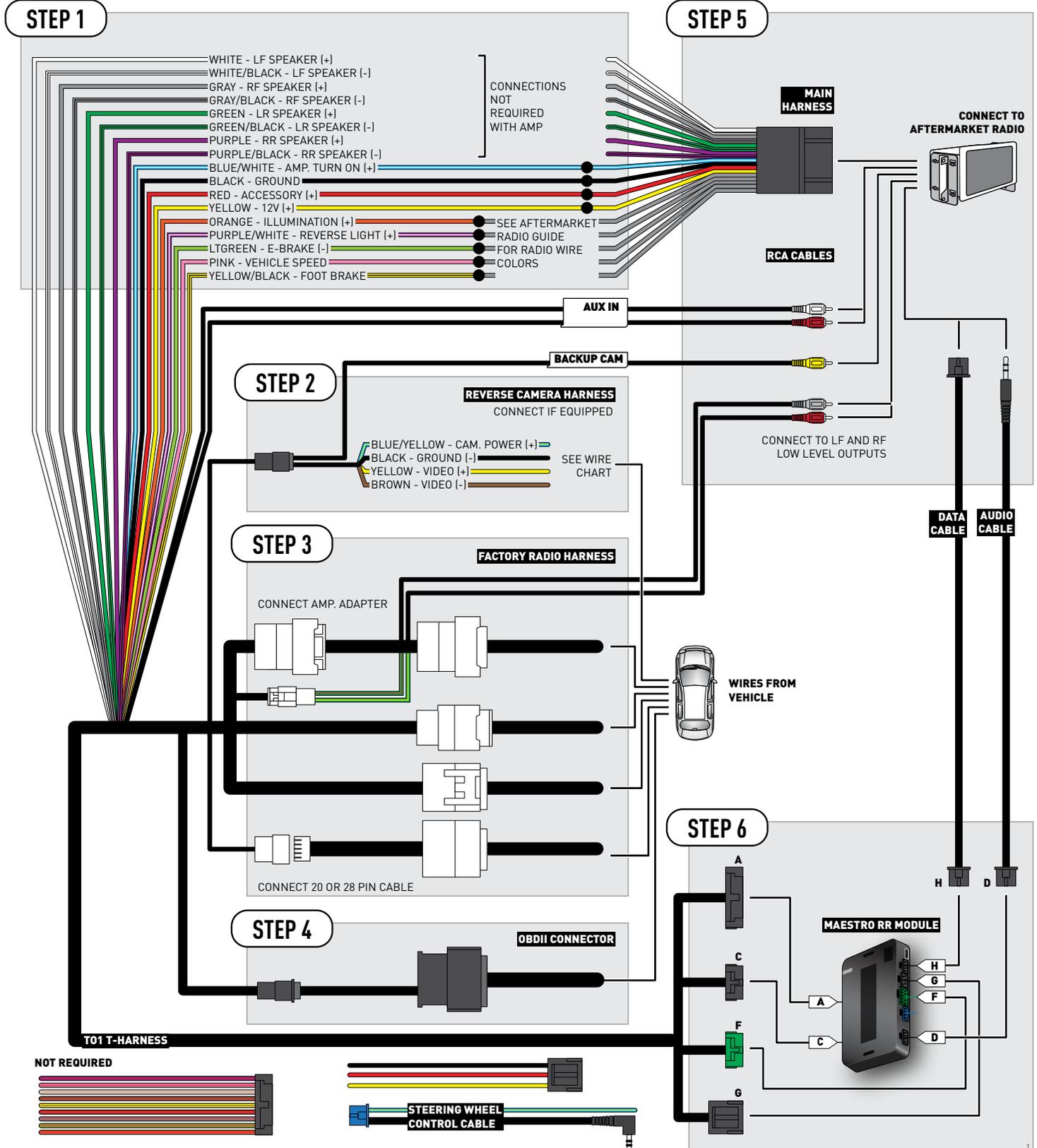
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



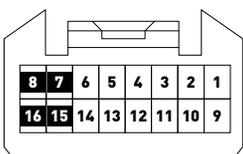
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

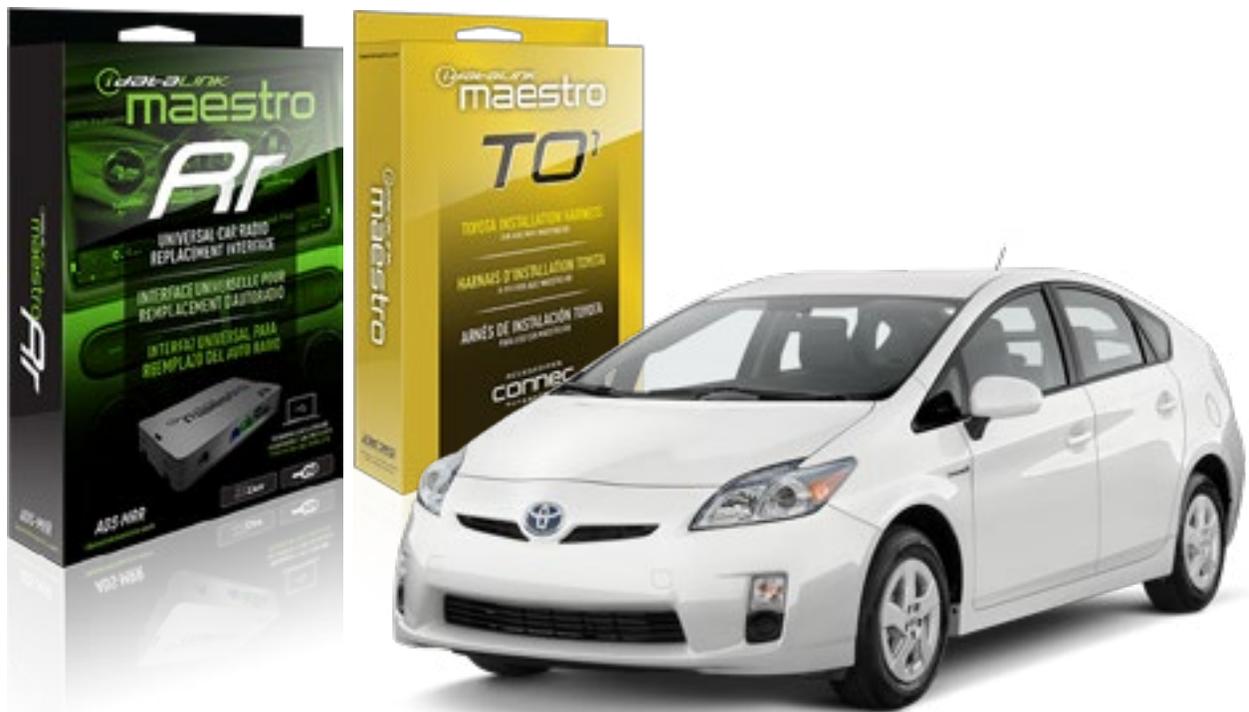
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	White	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### 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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# 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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

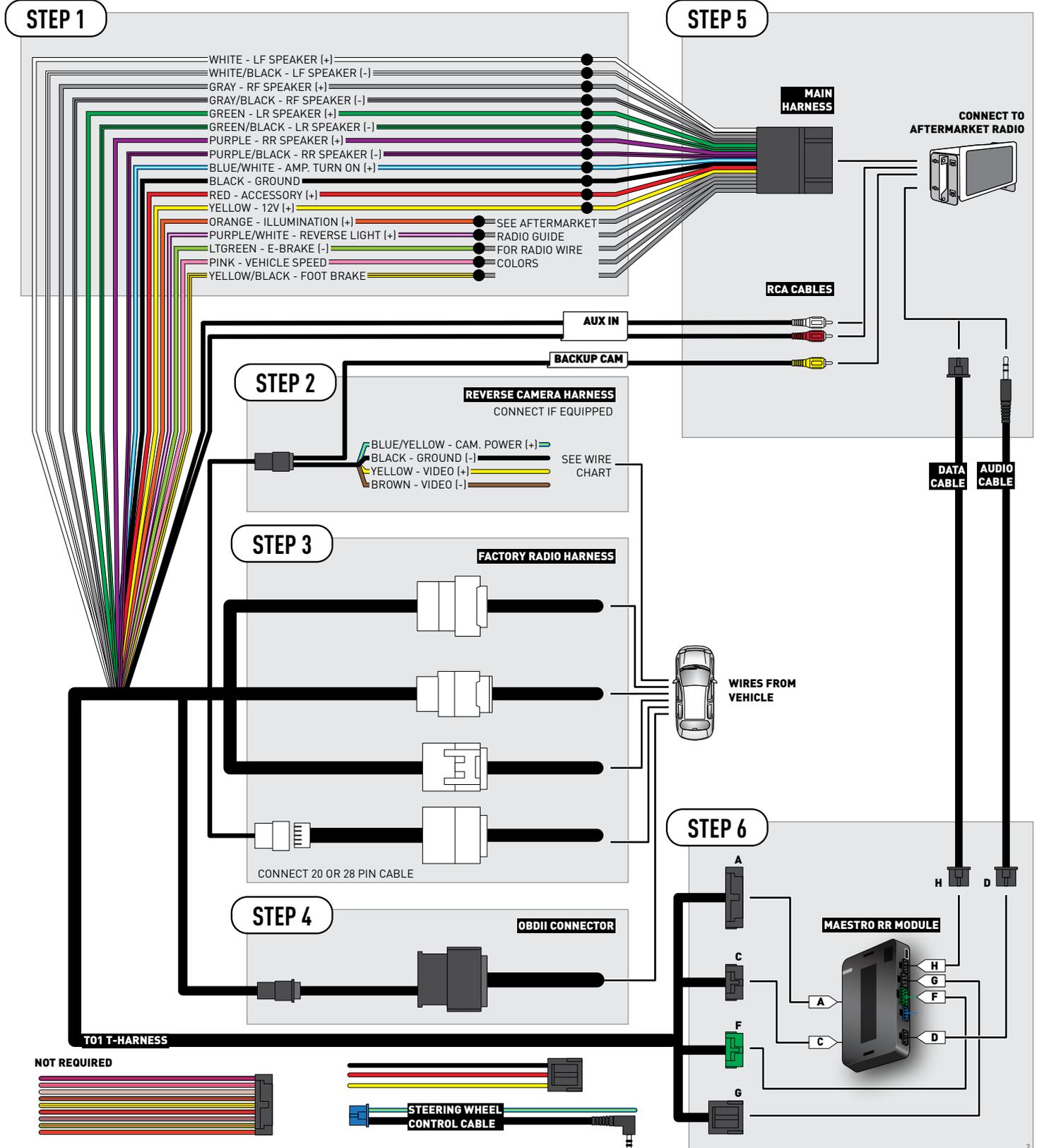
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



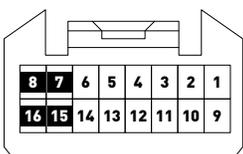
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	White	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Black	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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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](mailto: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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

**NOTE:**

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

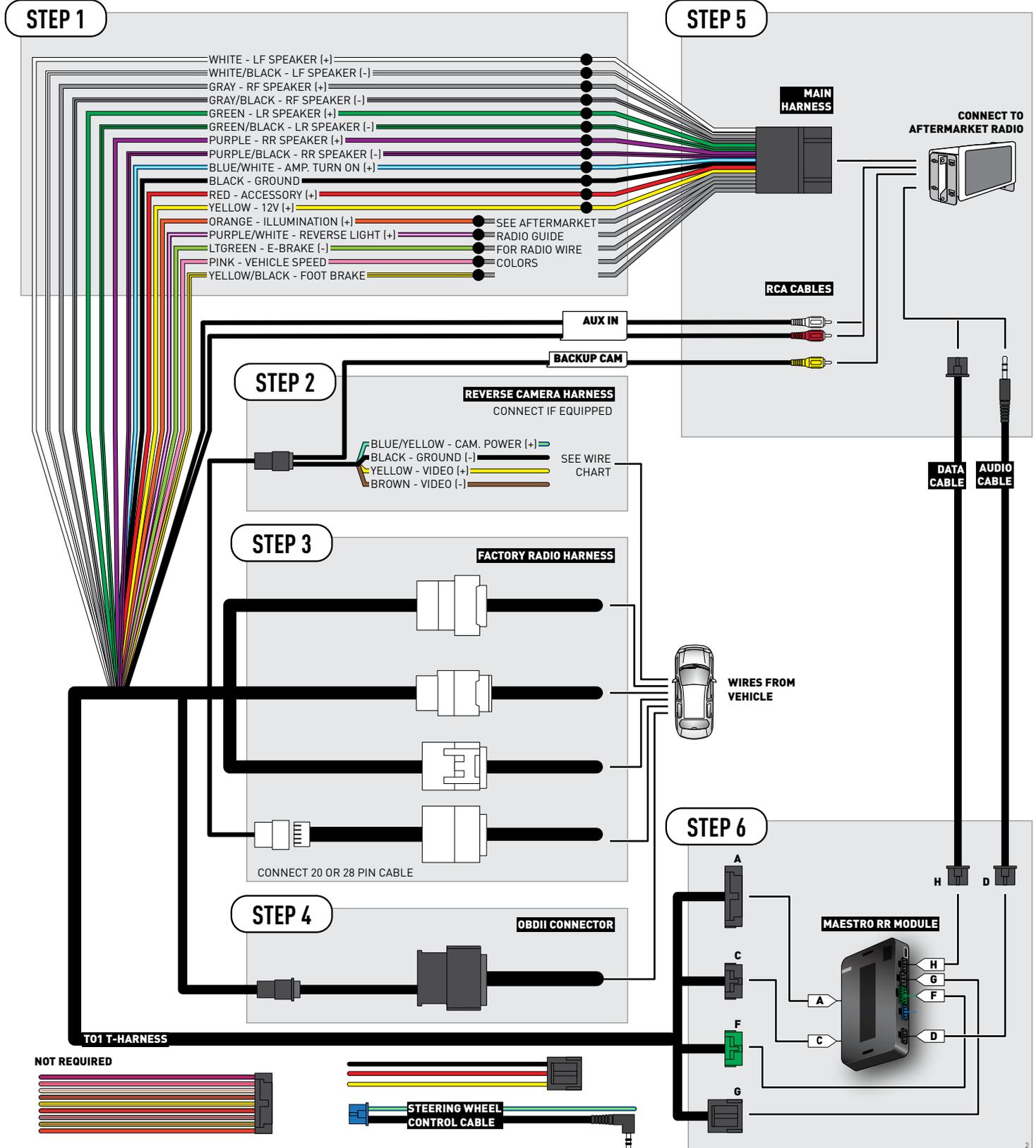
## STEP 6

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

## TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



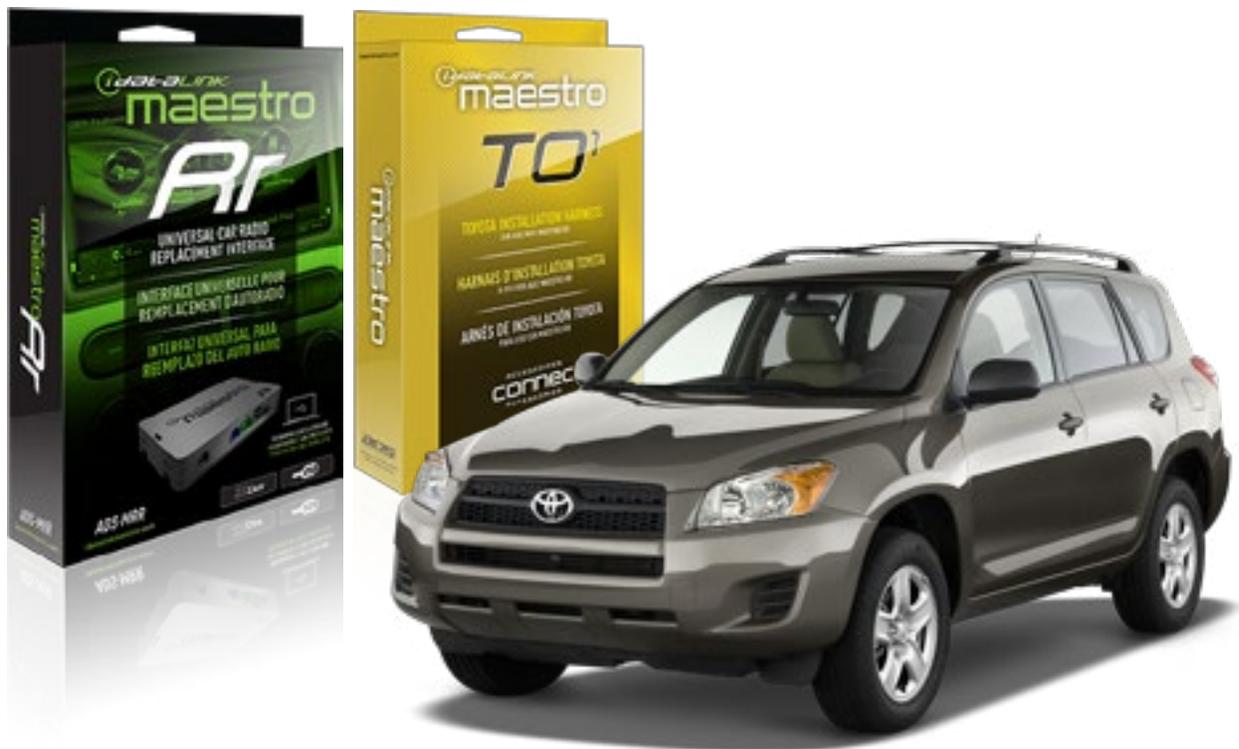
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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# WELCOME

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# NEED HELP?

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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

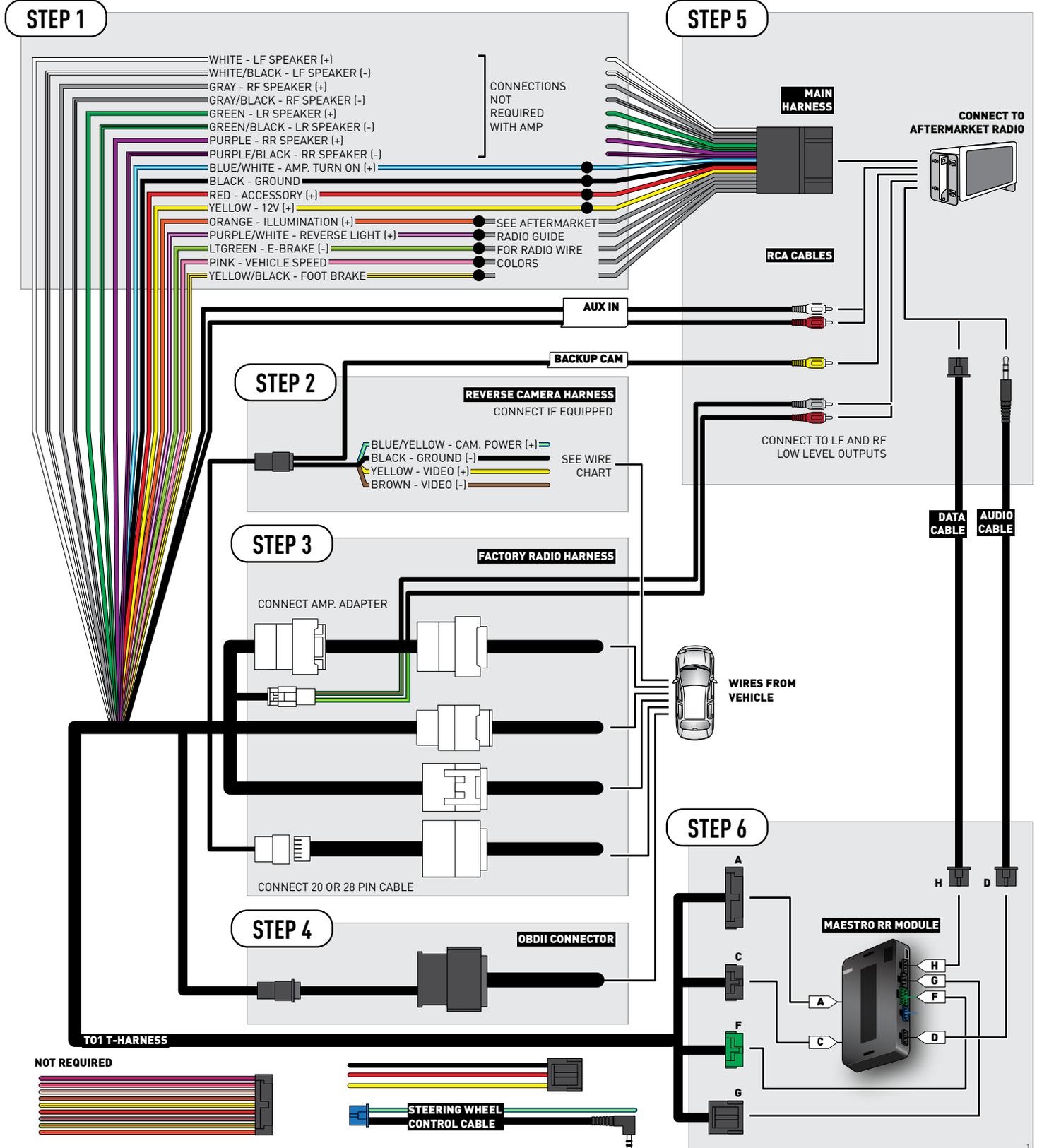
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



# RADIO WIRE REFERENCE CHART

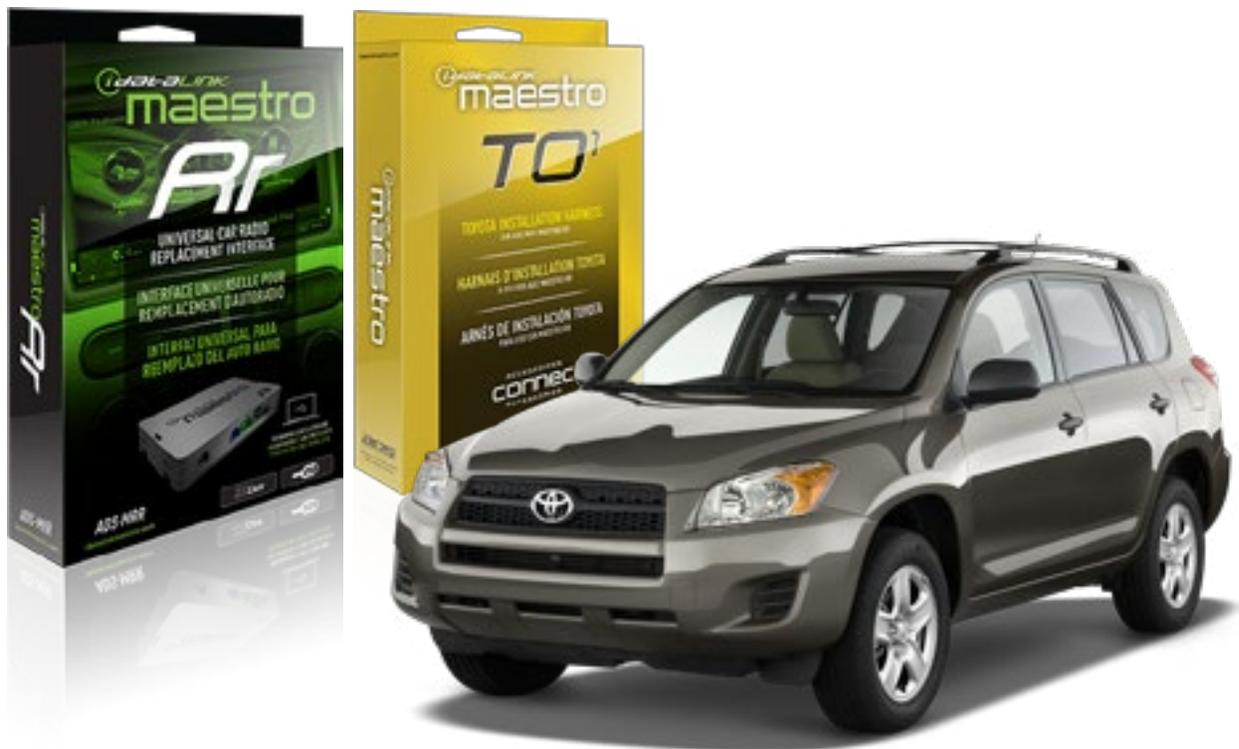
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	Pink	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White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

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

2006-2011  
TOYOTA RAV 4  
WITHOUT JBL

**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
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## STEP 4

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## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
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- Plug the Data cable to the data port of the aftermarket radio.
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### NOTE:

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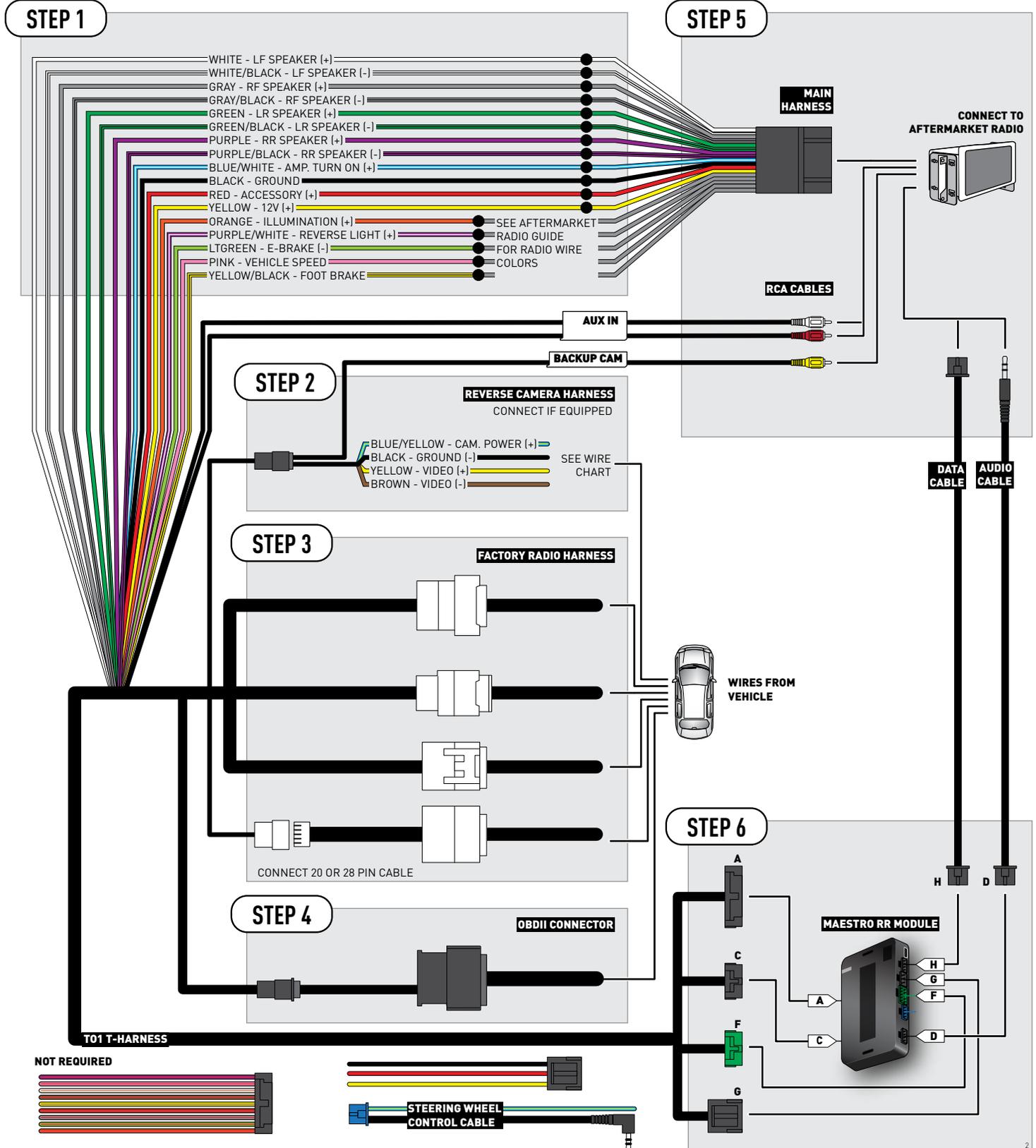
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail "maestro.support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voldata.com/forum/"

# WIRING DIAGRAM *without an Amplifier*



# 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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



Click here for:

[Radar Integration Installation Guide](#)

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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](mailto: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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

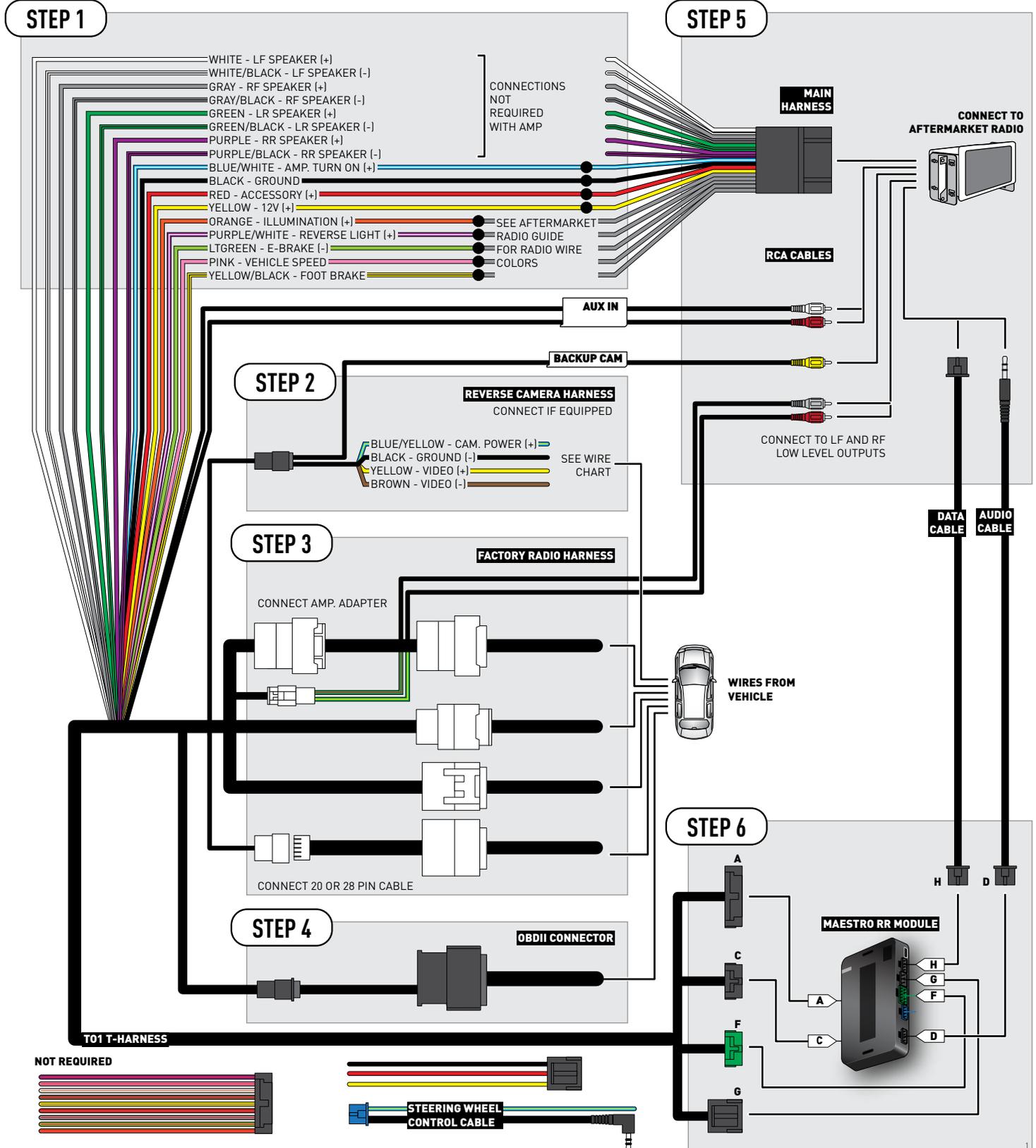
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



# 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	N/A	N/A	N/A

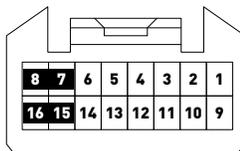
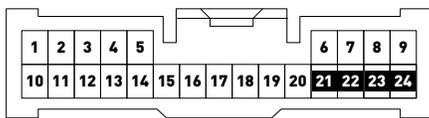
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	White	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	Shield	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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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?

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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

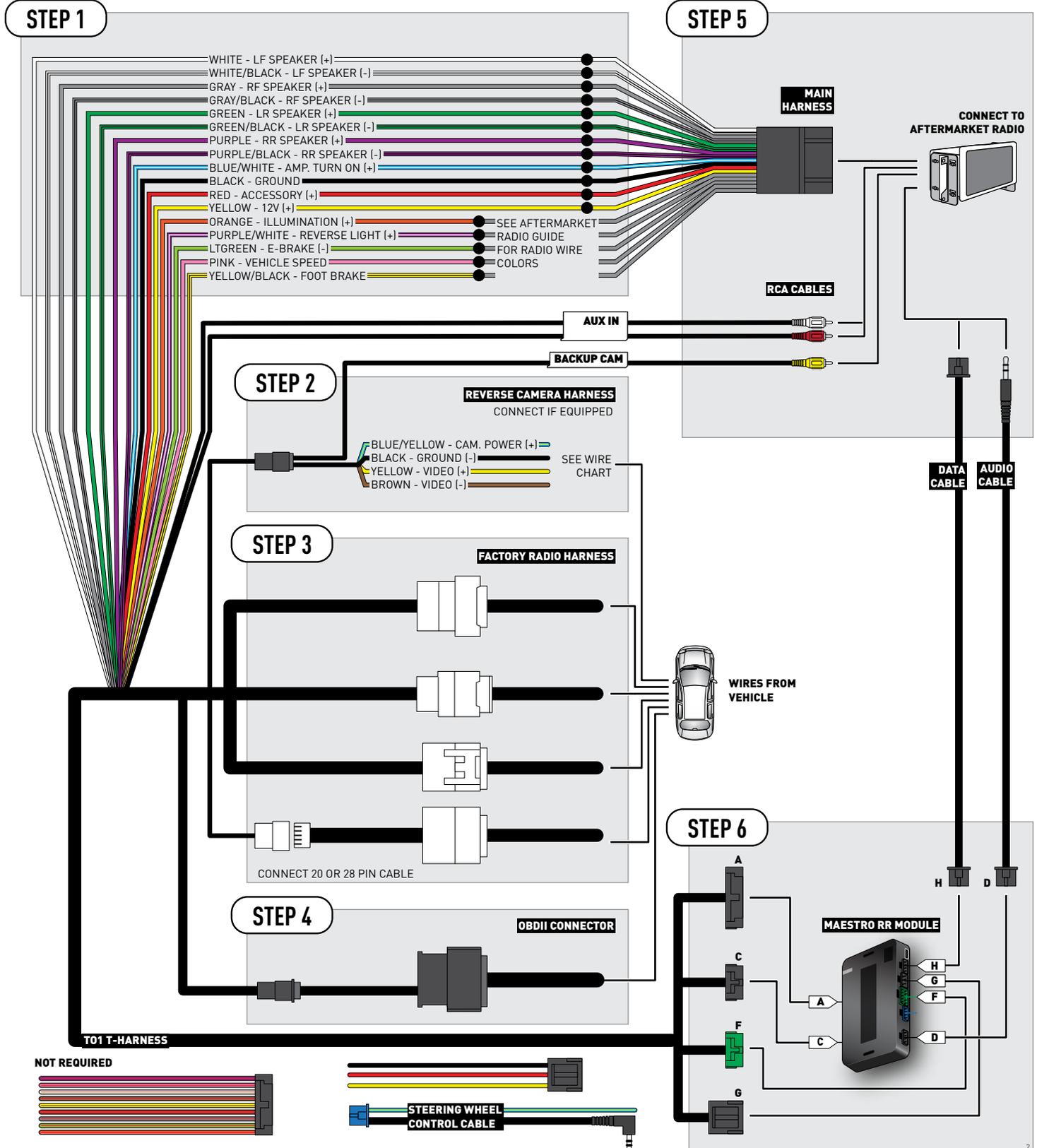
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



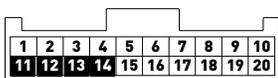
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Black	(+)	Reverse camera harness
Ground	~	~	20 pin	14	White	(-)	Reverse camera harness
Video +	~	~	20 pin	11	Red	(+)	Reverse camera harness
Video -	~	~	20 pin	12	Shield	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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# 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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

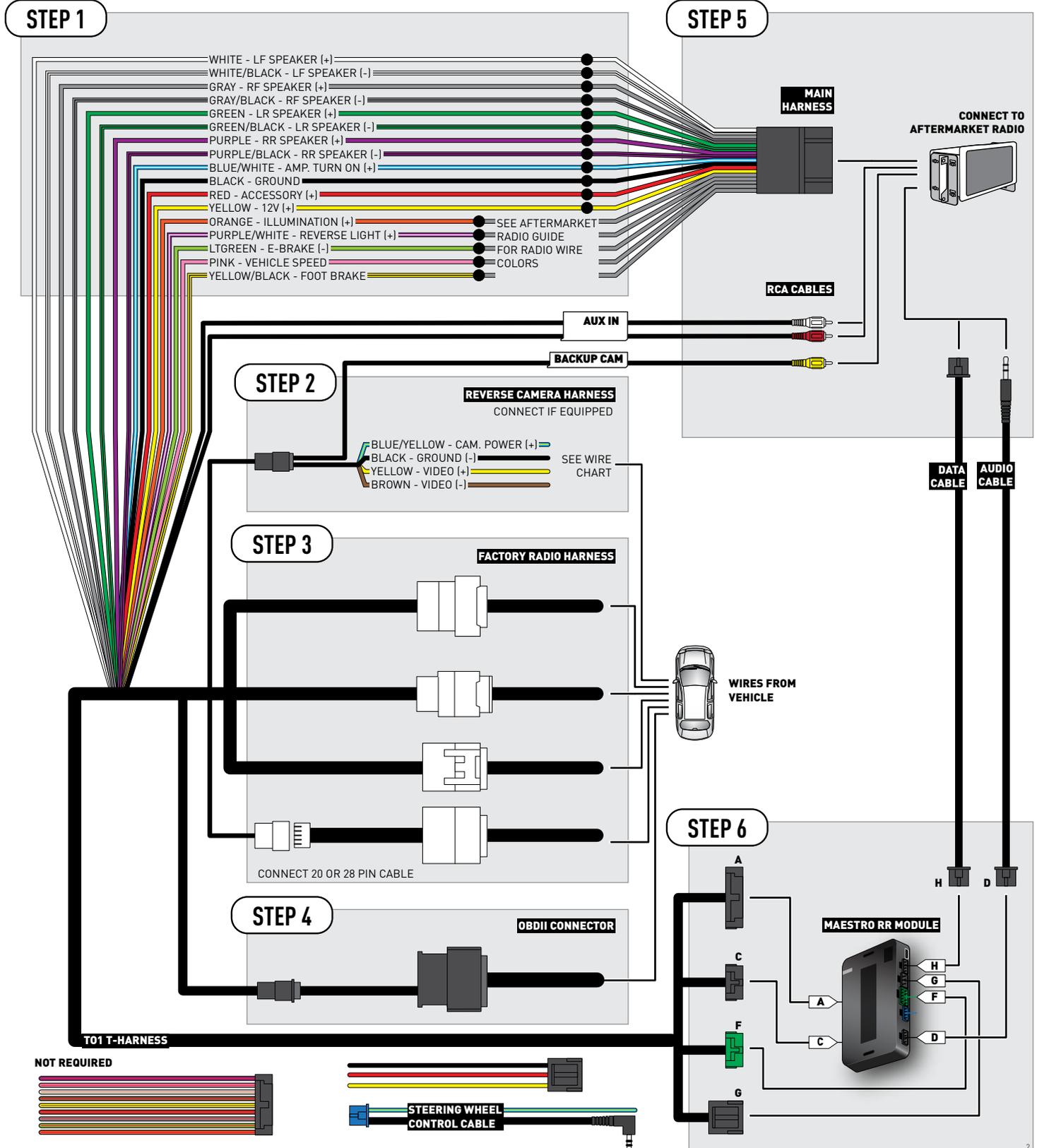
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



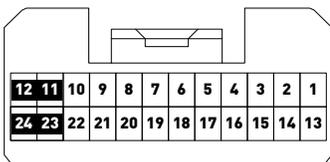
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

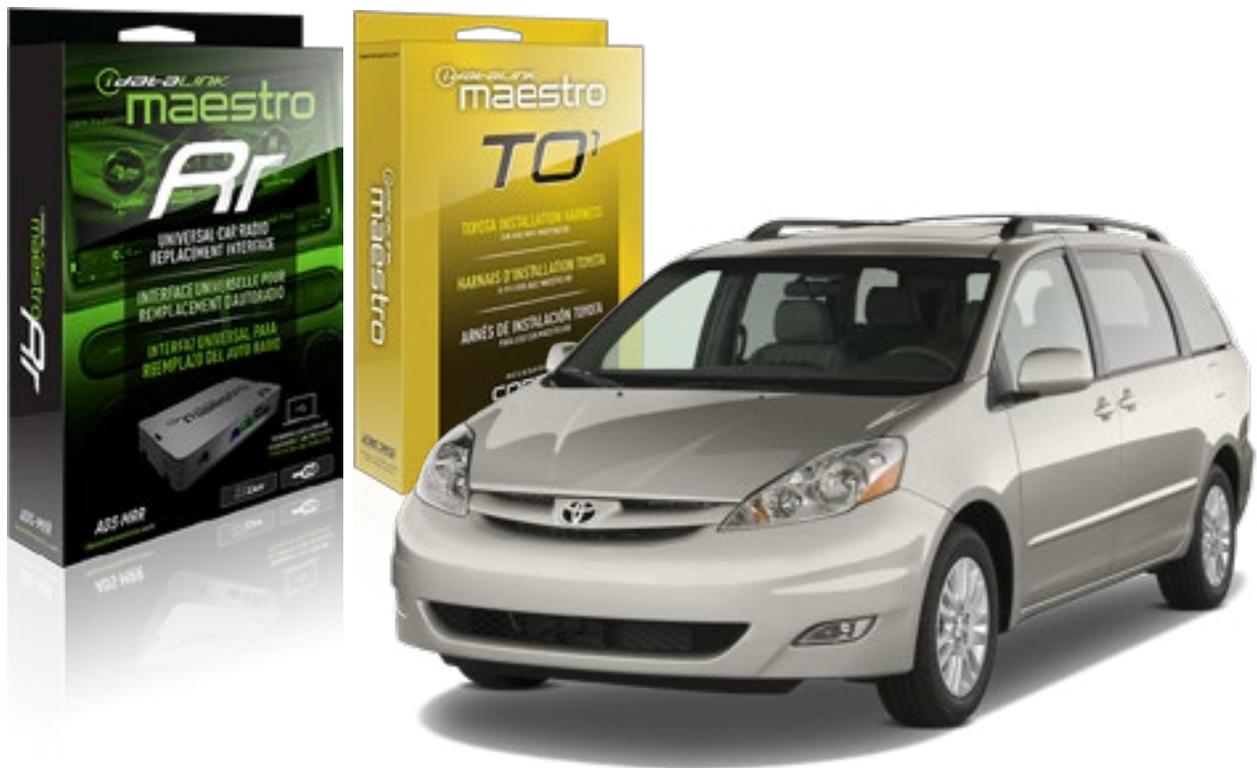
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	White	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	Shield	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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# WELCOME

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# NEED HELP?

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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

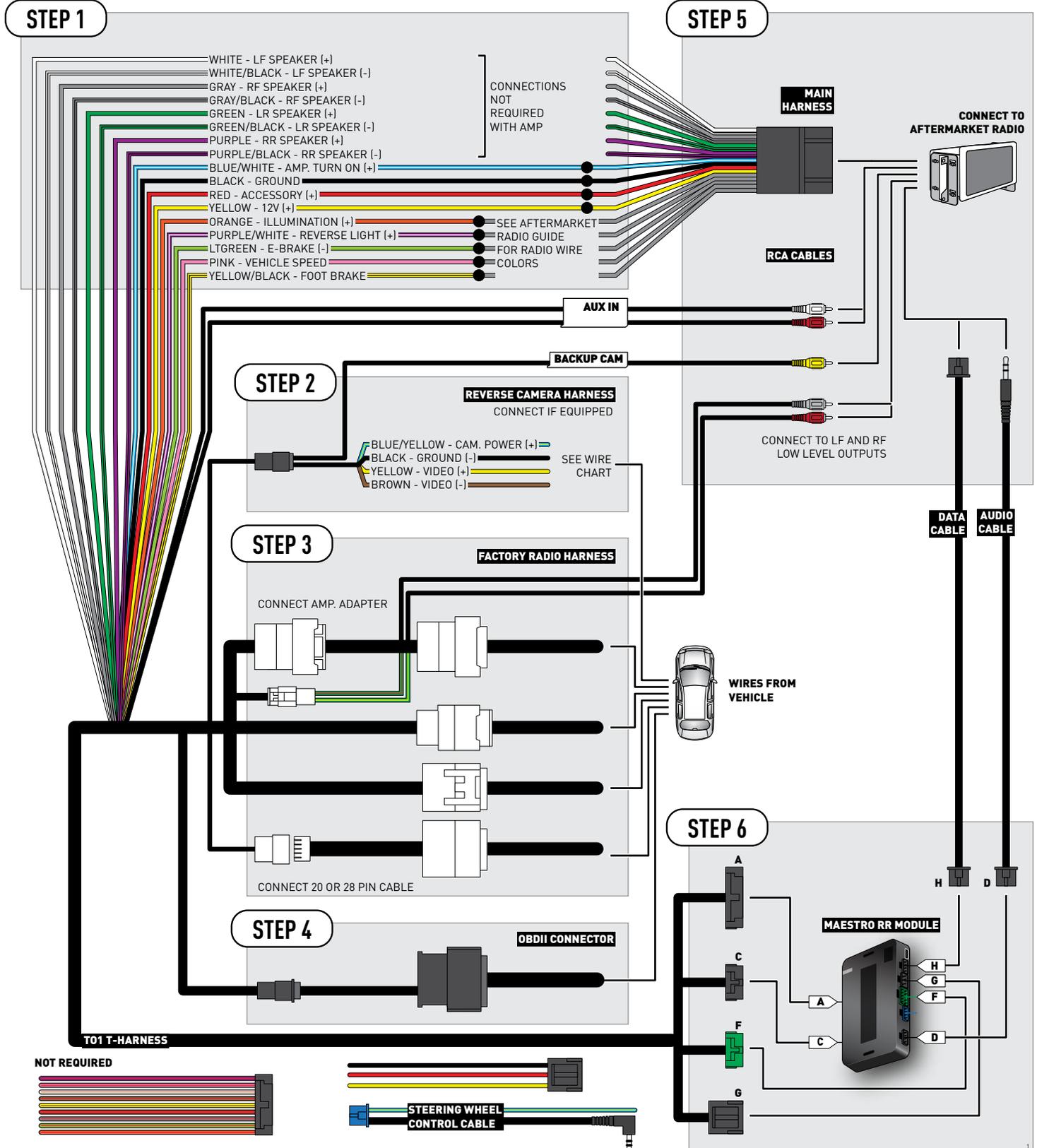
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



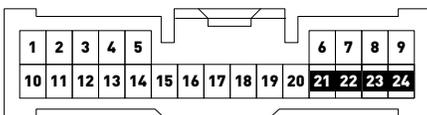
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Red	(+)	Reverse camera harness
Ground	~	~	24 pin	21	White	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Black	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



#### PRODUCTS REQUIRED

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# NEED HELP?

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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

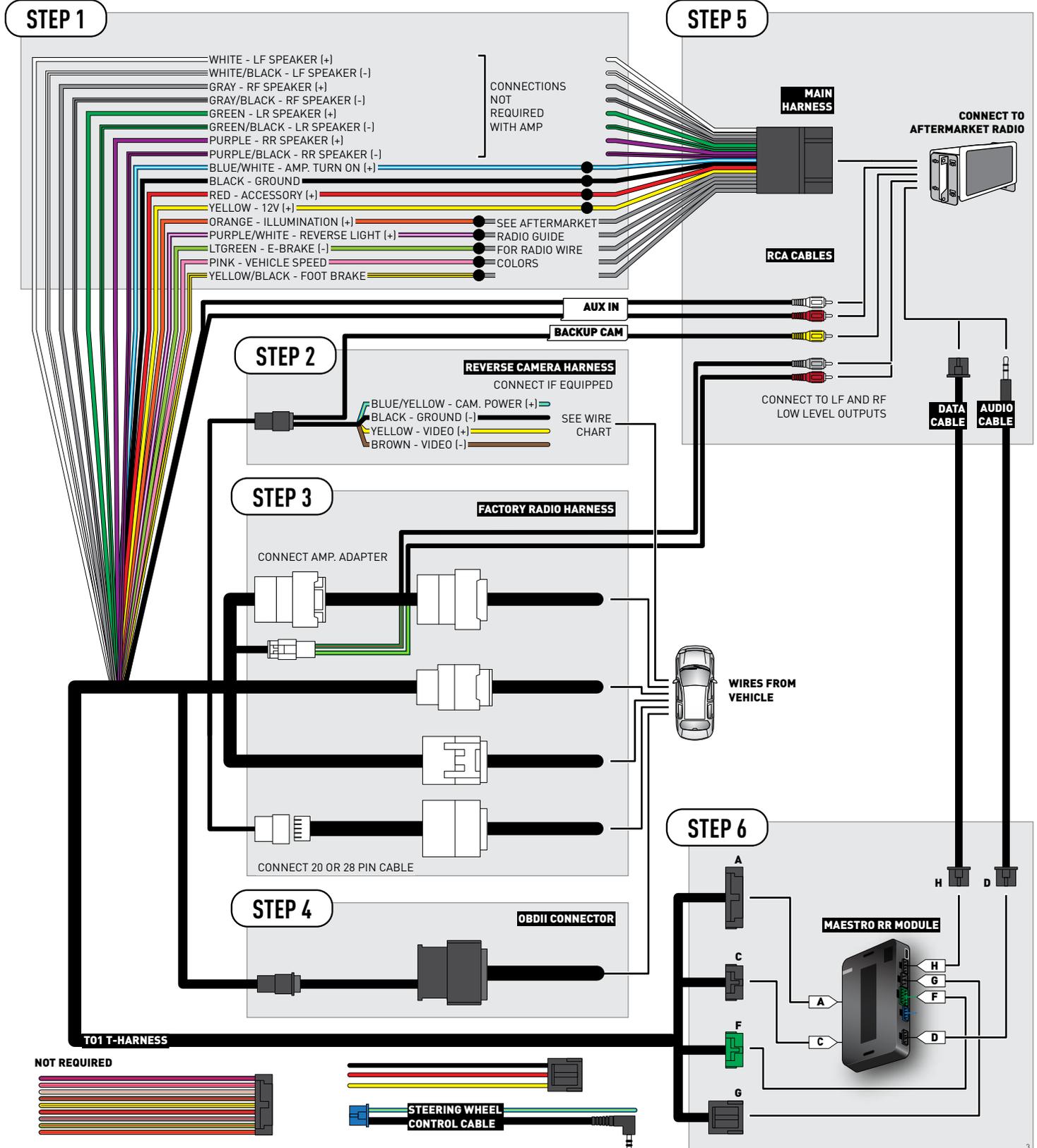
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



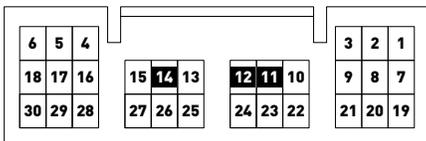
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

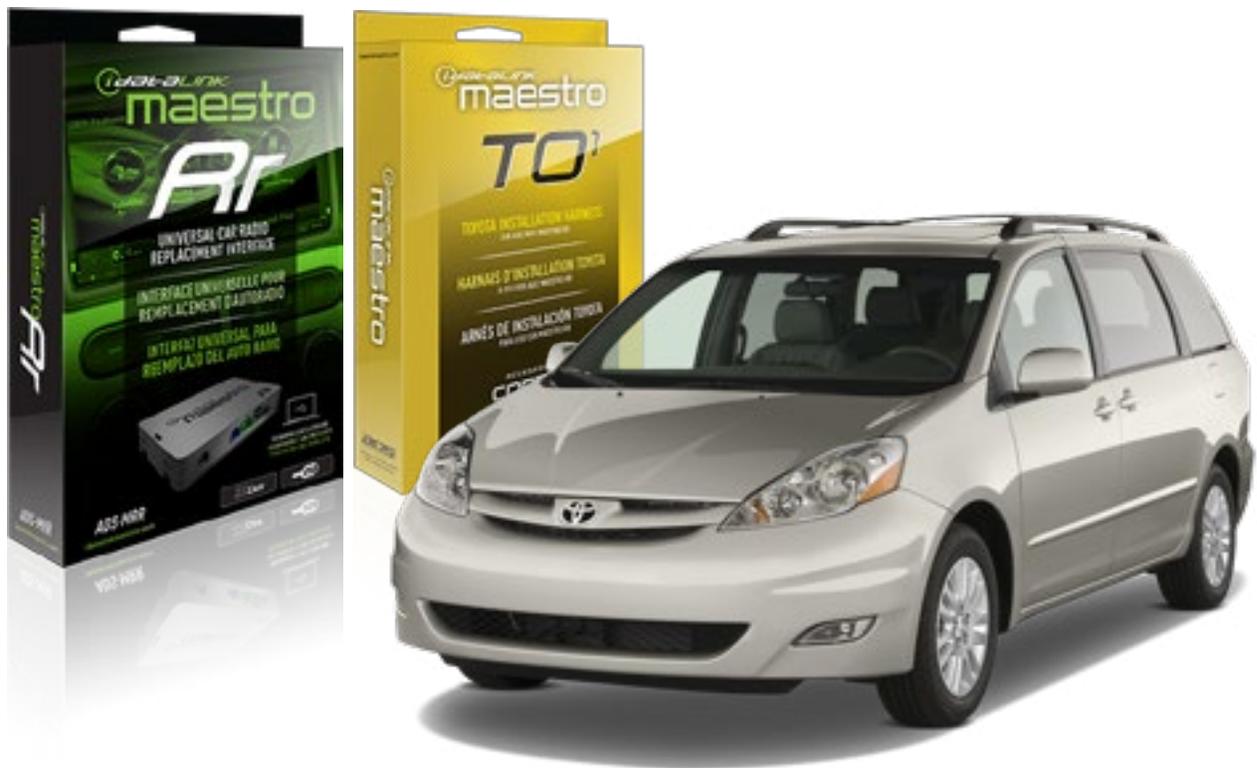
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	30 pin	14	Red	(+)	Parking assist ECU, behind glovebox
Ground	~	~	~	~	~	~	~
Video +	~	~	30 pin	12	Black	(+)	Parking assist ECU, behind glovebox
Video -	~	~	30 pin	11	White	(-)	Parking assist ECU, behind glovebox

## PARKING ASSIST CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



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# 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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

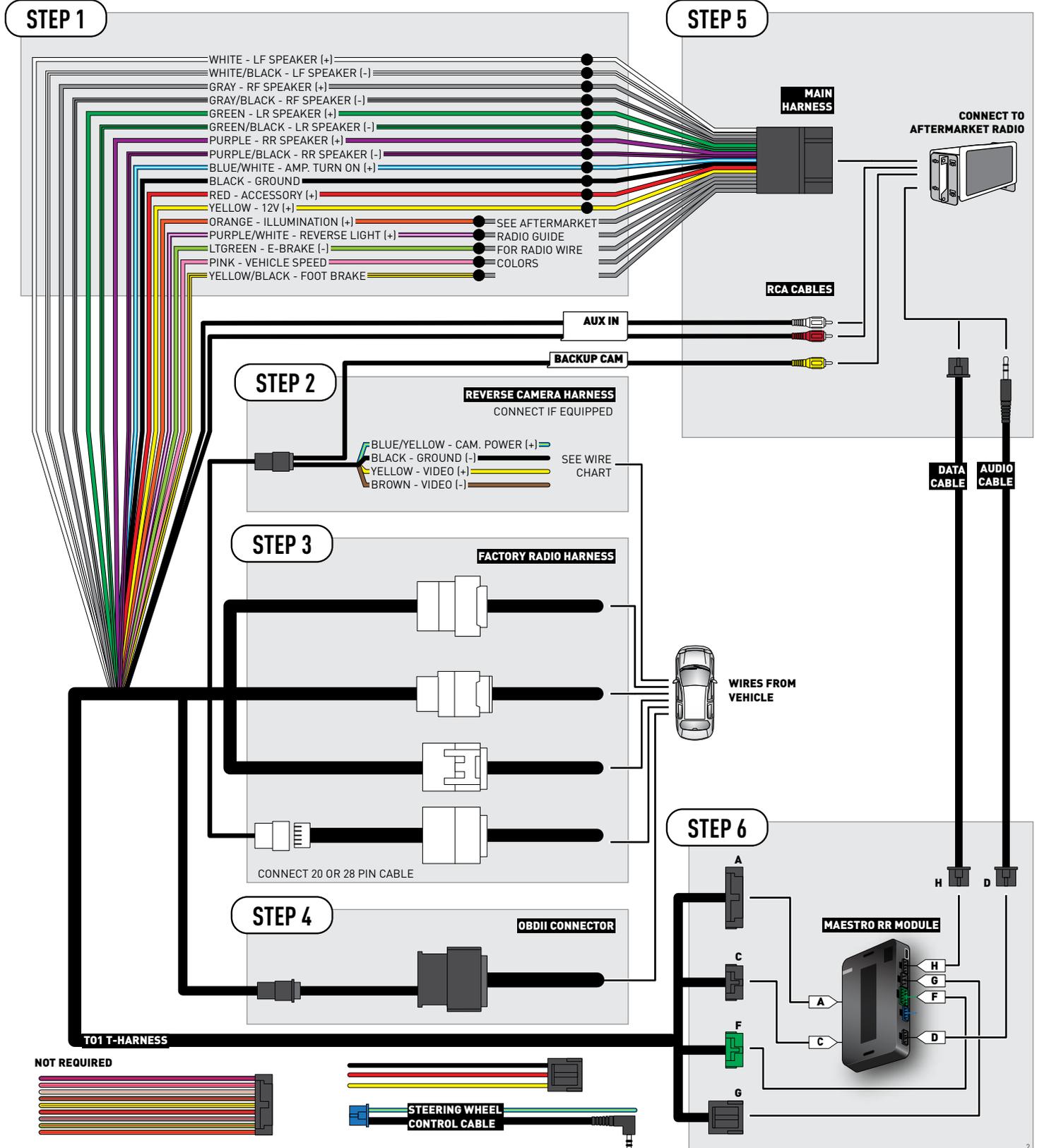
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



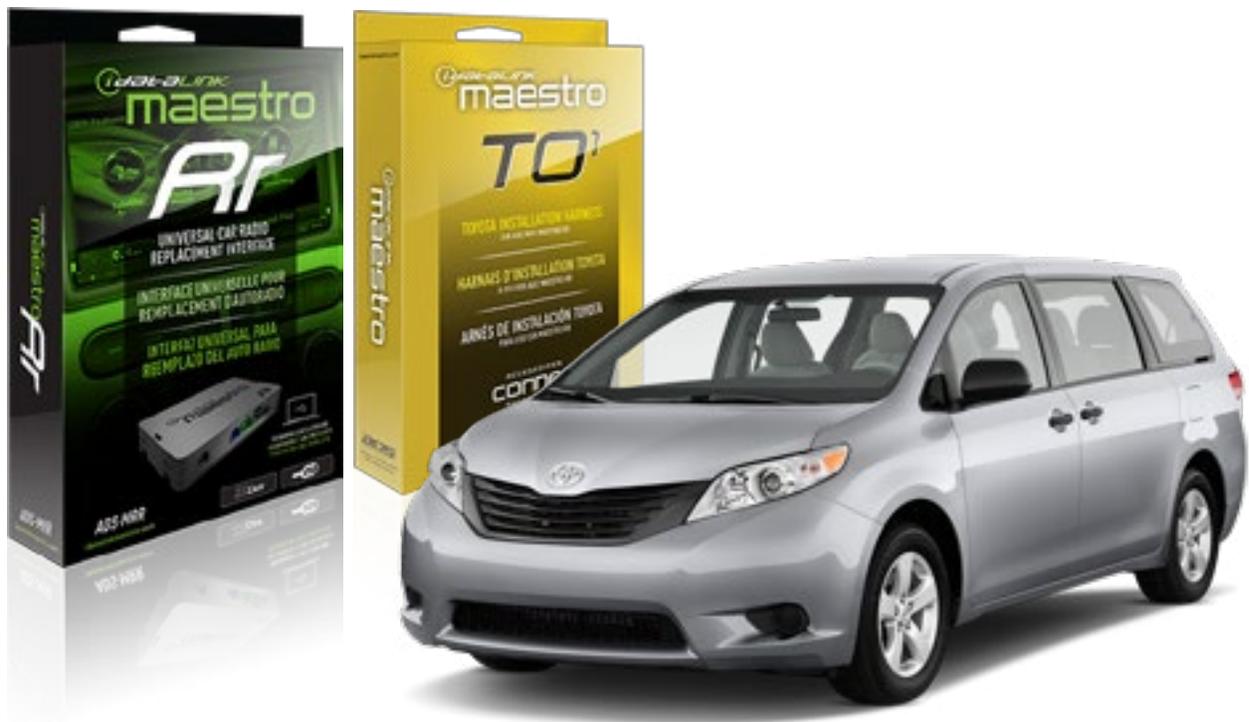
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



Click here for:

[Radar Integration Installation Guide](#)

[Radar Integration Owner's Guide for Kenwood and JVC Radios](#)

# WELCOME

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

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# INSTALLATION INSTRUCTIONS

## 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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

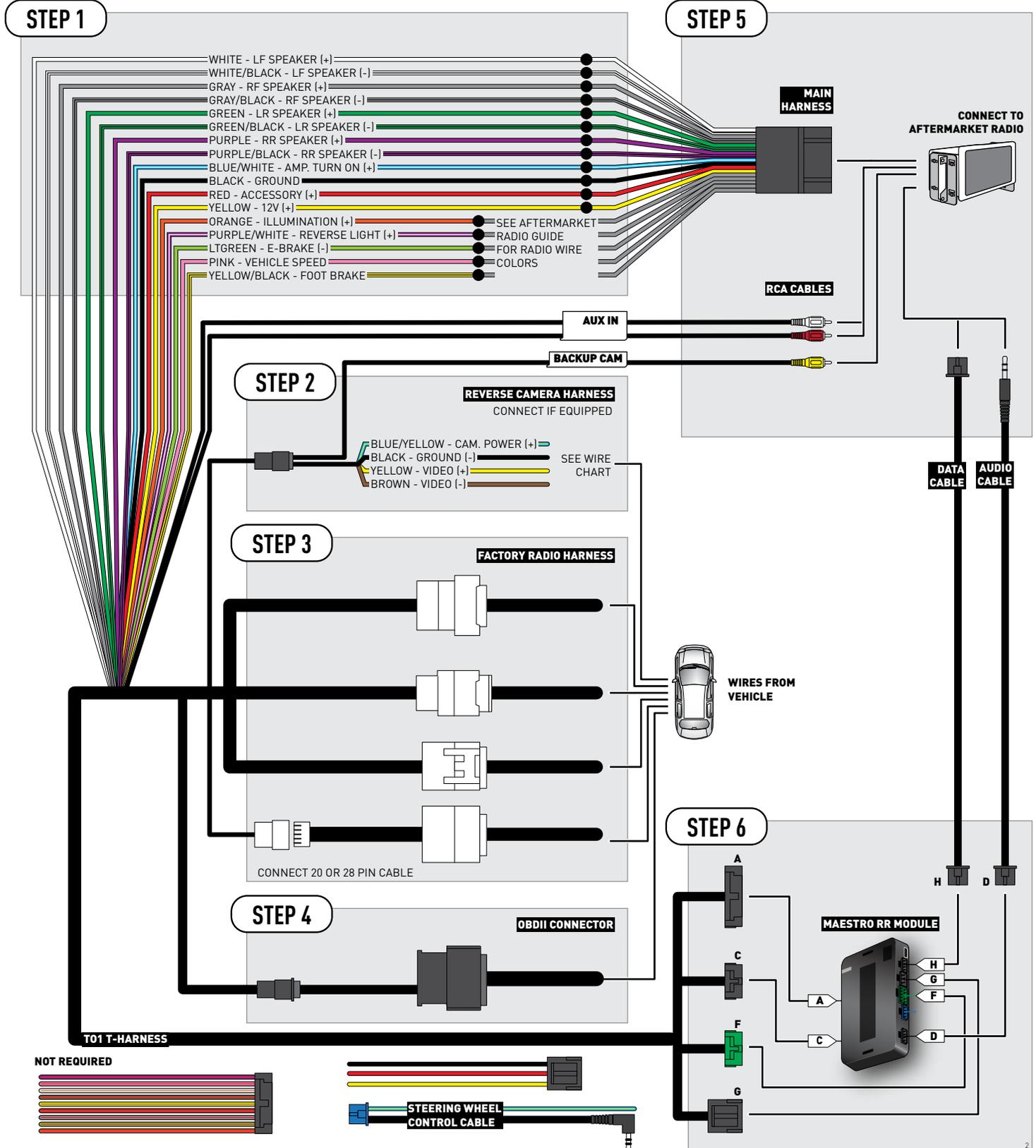
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



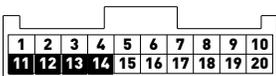
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

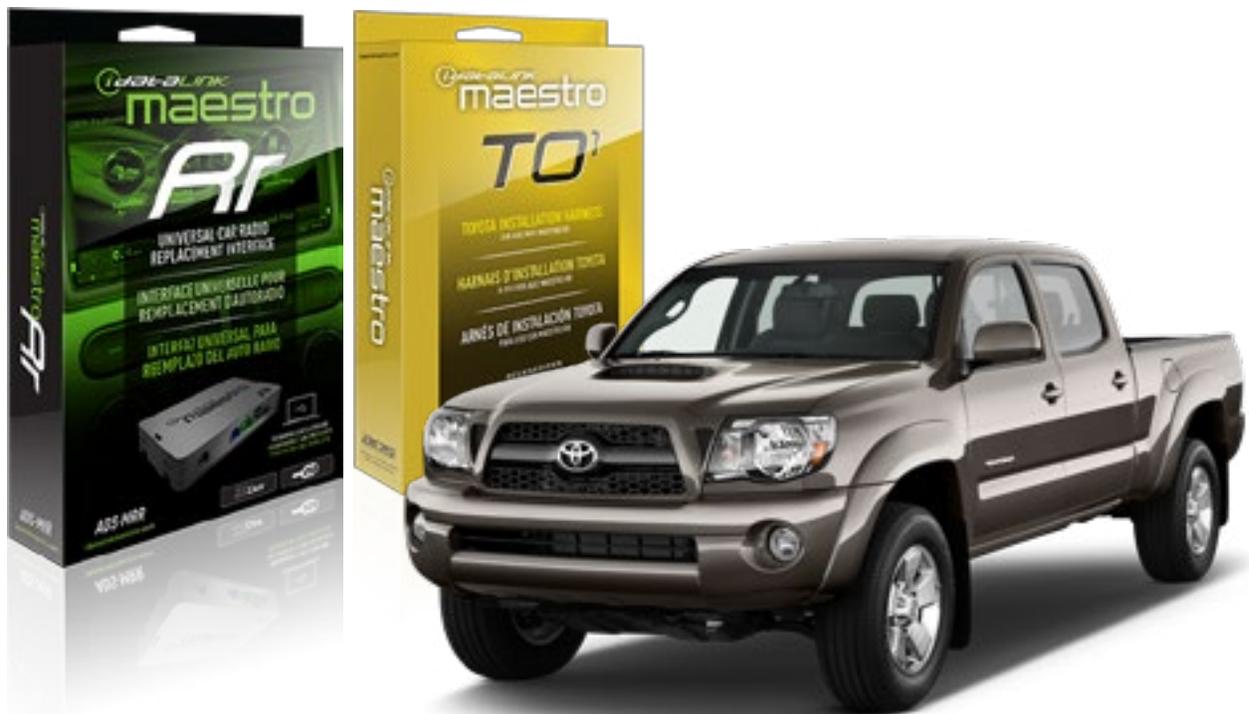
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Red	(+)	Reverse camera harness
Ground	~	~	20 pin	14	Shield	(-)	Reverse camera harness
Video +	~	~	20 pin	11	Black	(+)	Reverse camera harness
Video -	~	~	20 pin	12	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### 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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

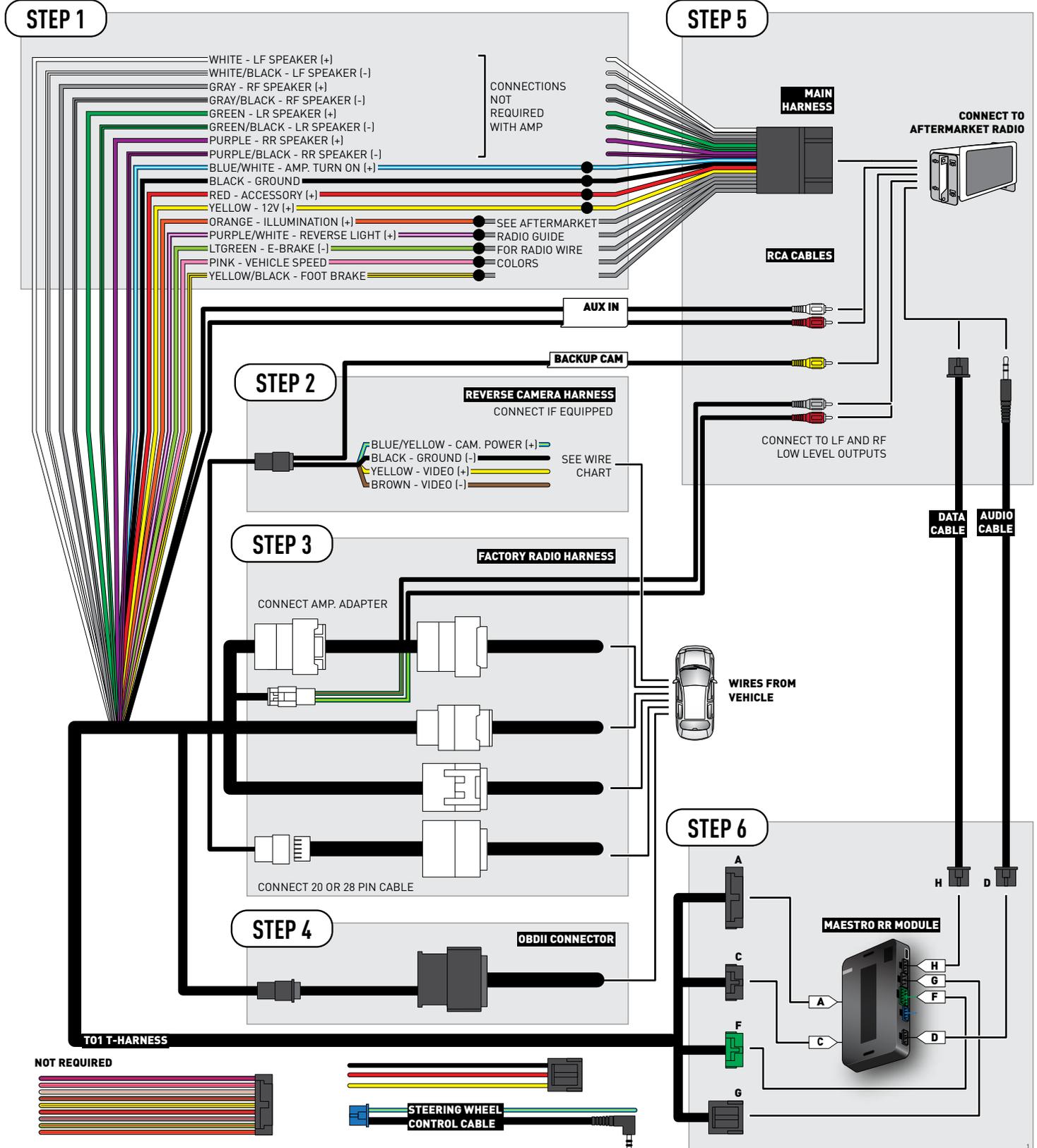
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



# 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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

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iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

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#### OPTIONAL ACCESSORIES



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# WELCOME

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

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

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# INSTALLATION INSTRUCTIONS

## 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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

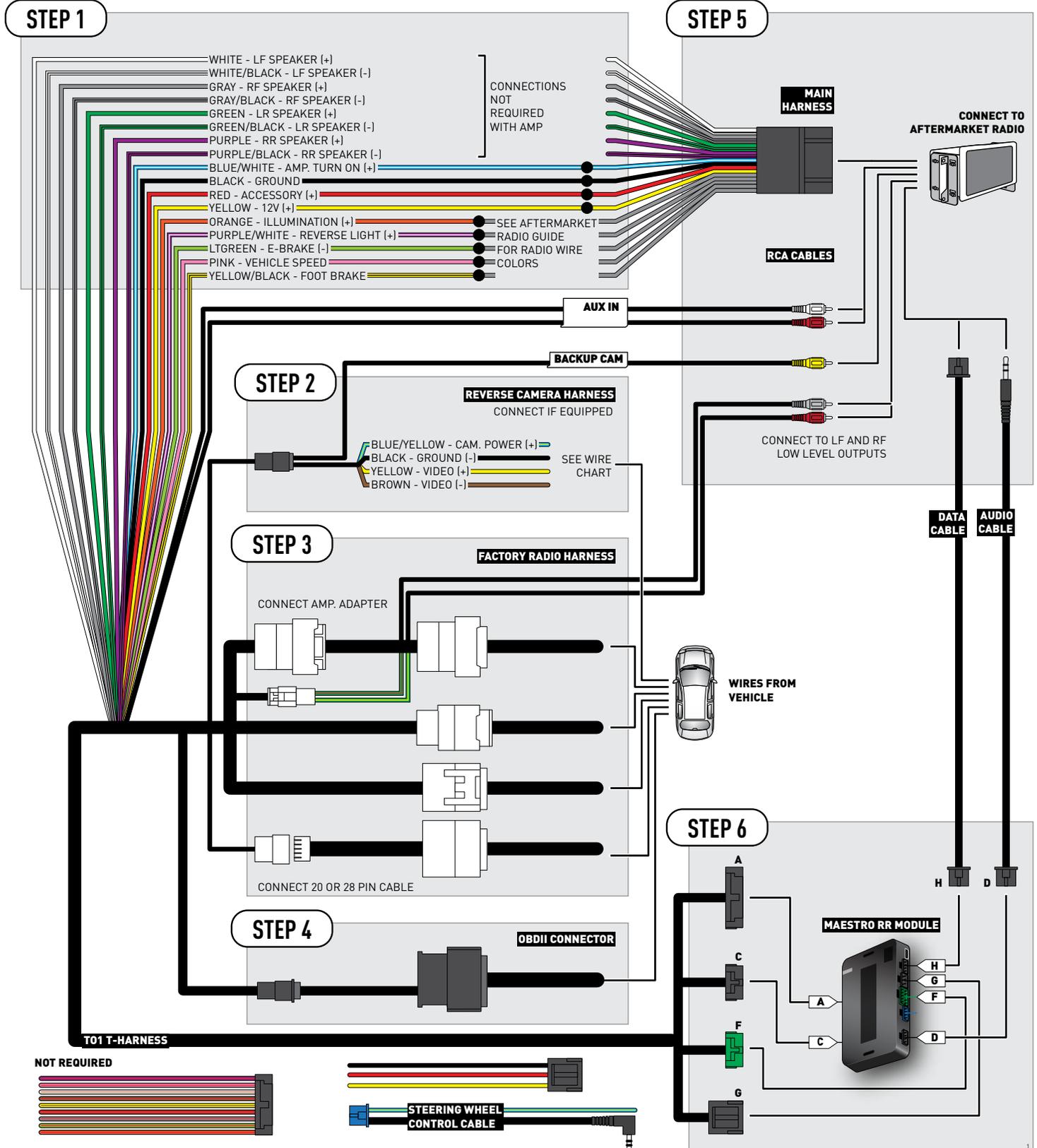
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



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

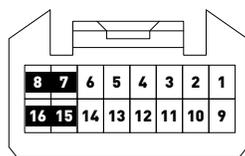
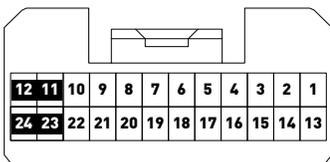
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



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# INSTALLATION INSTRUCTIONS

## STEP 1

- Unbox the aftermarket radio and locate its main harness.
- Cut RCA wires from amp. adapter and connect them to matching wires of T01 t-harness.
- Connect the wires shown on the next page from aftermarket radio main harness to the T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

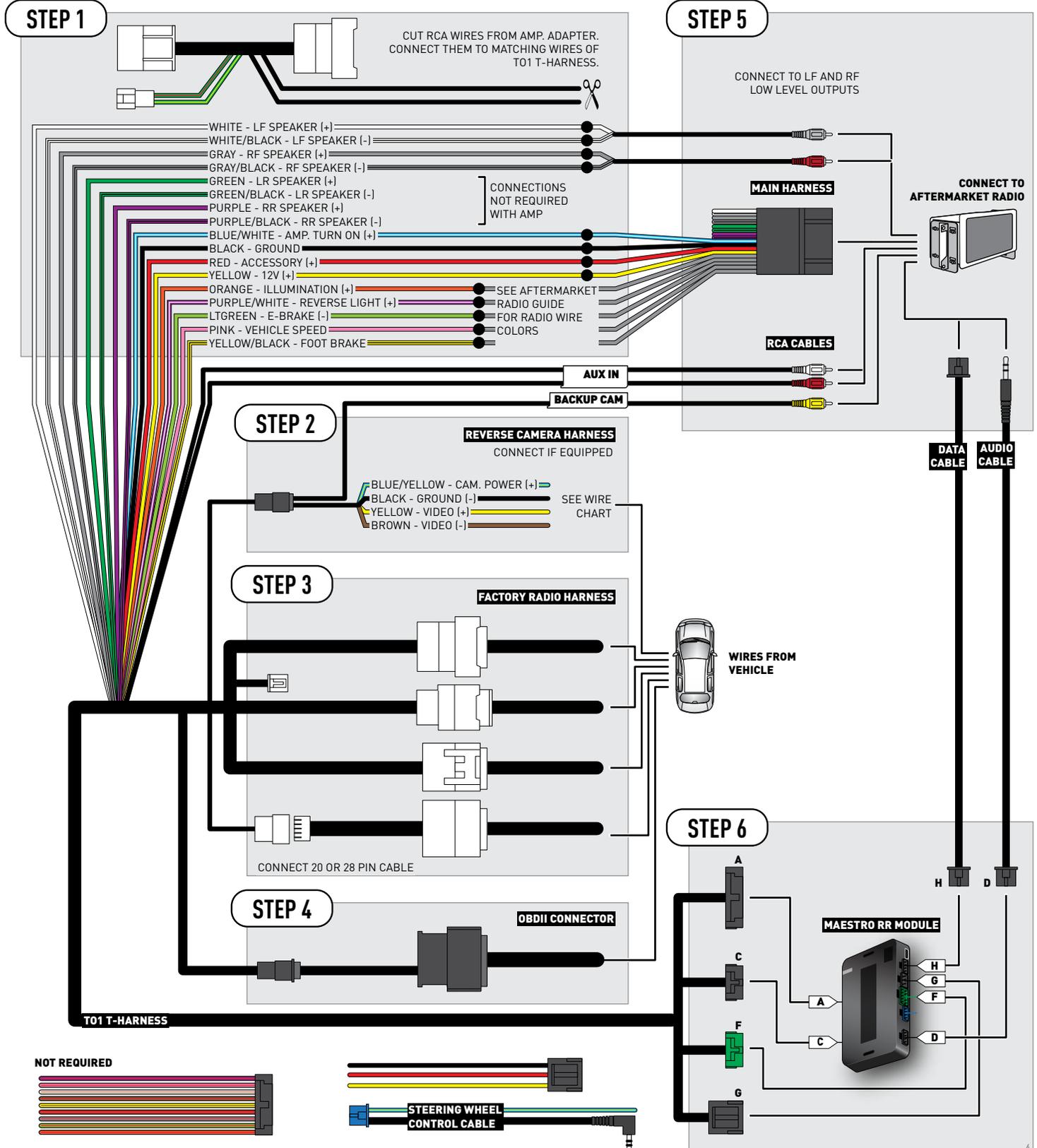
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



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

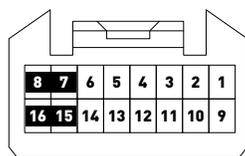
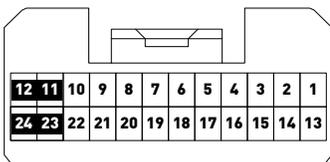
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

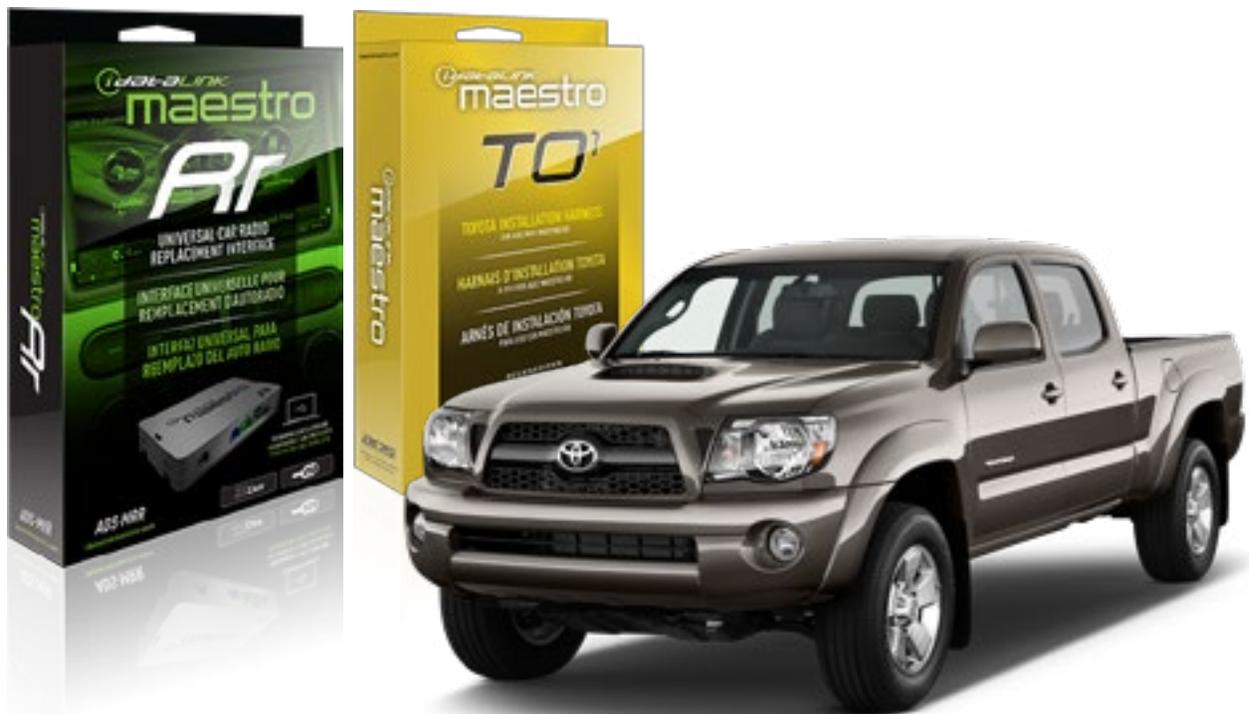
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Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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## REVERSE CAMERA CONNECTORS (WIRE SIDE)



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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
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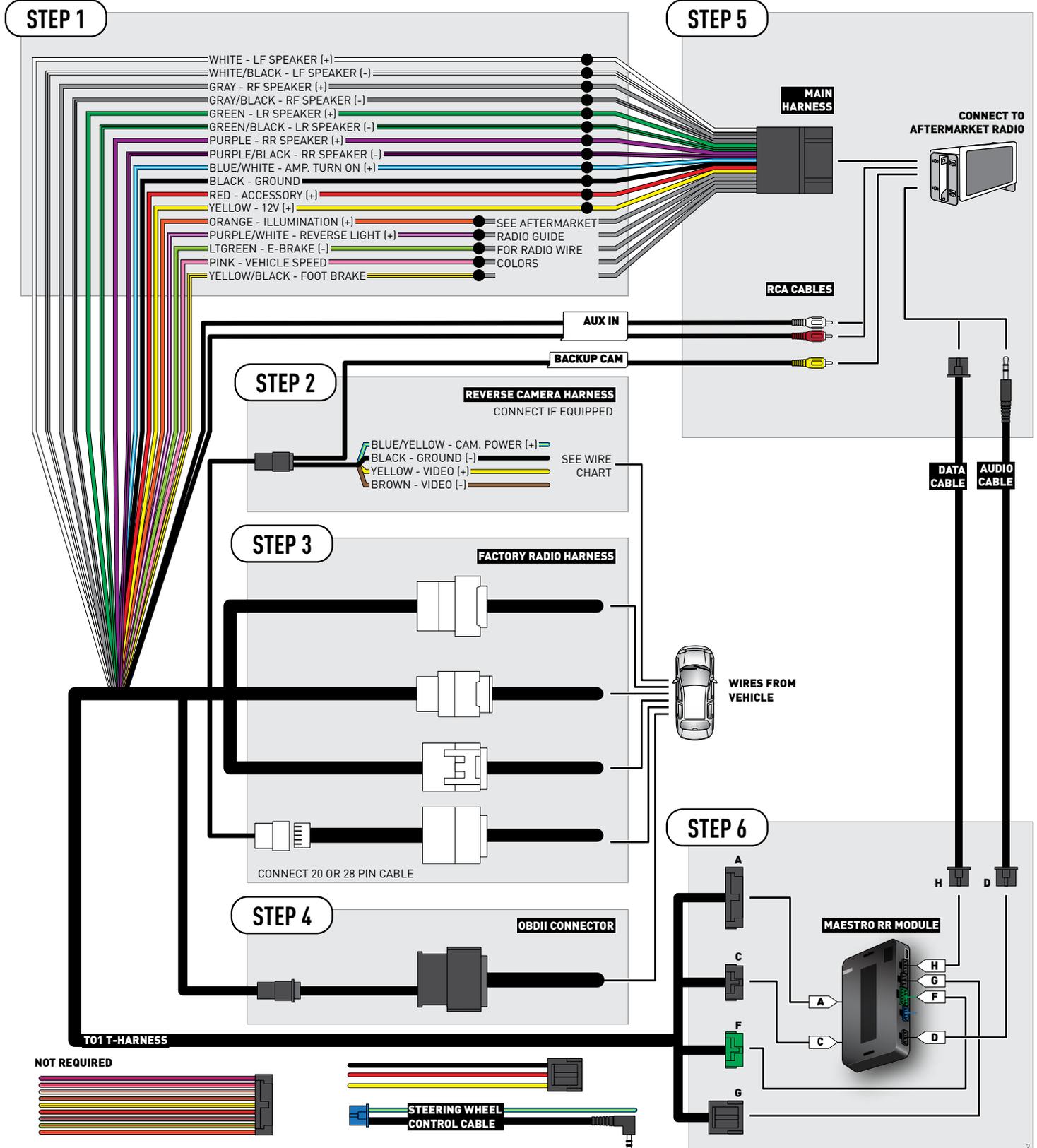
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### TROUBLESHOOTING TIPS:

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# WIRING DIAGRAM *without an Amplifier*



# 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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



Click here for:

[Radar Integration Installation Guide](#)

[Radar Integration Owner's Guide for Kenwood and JVC Radios](#)

# 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](mailto: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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

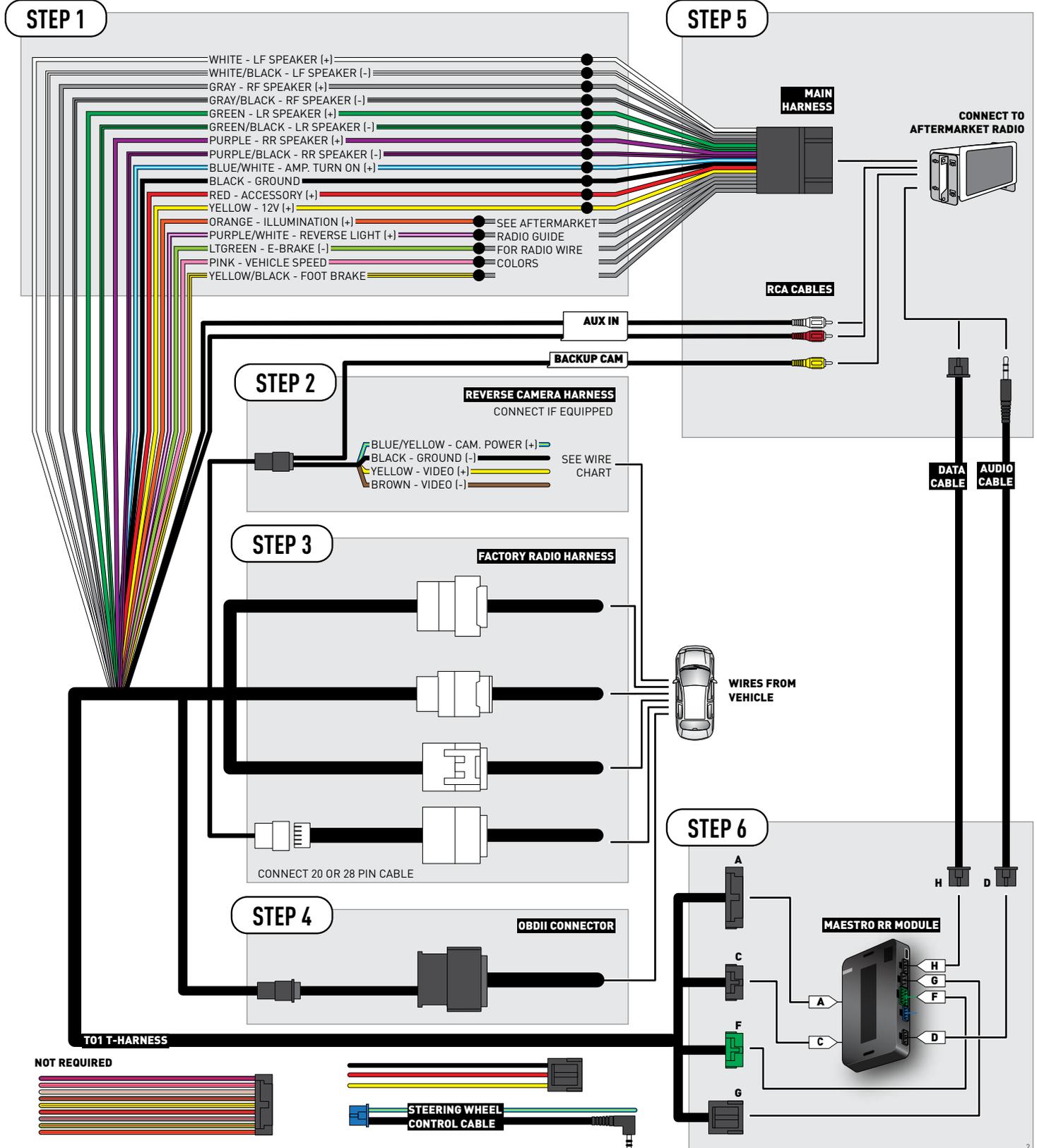
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
- For technical assistance call 1-866-427-2999 or e-mail "maestro.support@idatalink.com". Visit us at "maestro.idatalink.com/support" and "www.12voldata.com/forum/"

# WIRING DIAGRAM *without an Amplifier*



# 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	N/A	N/A	N/A

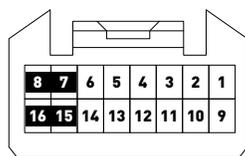
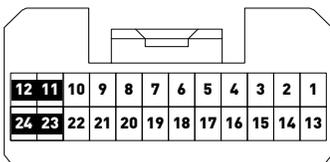
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### 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.

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.

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# NEED HELP?

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 [maestro.support@idatalink.com](mailto: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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

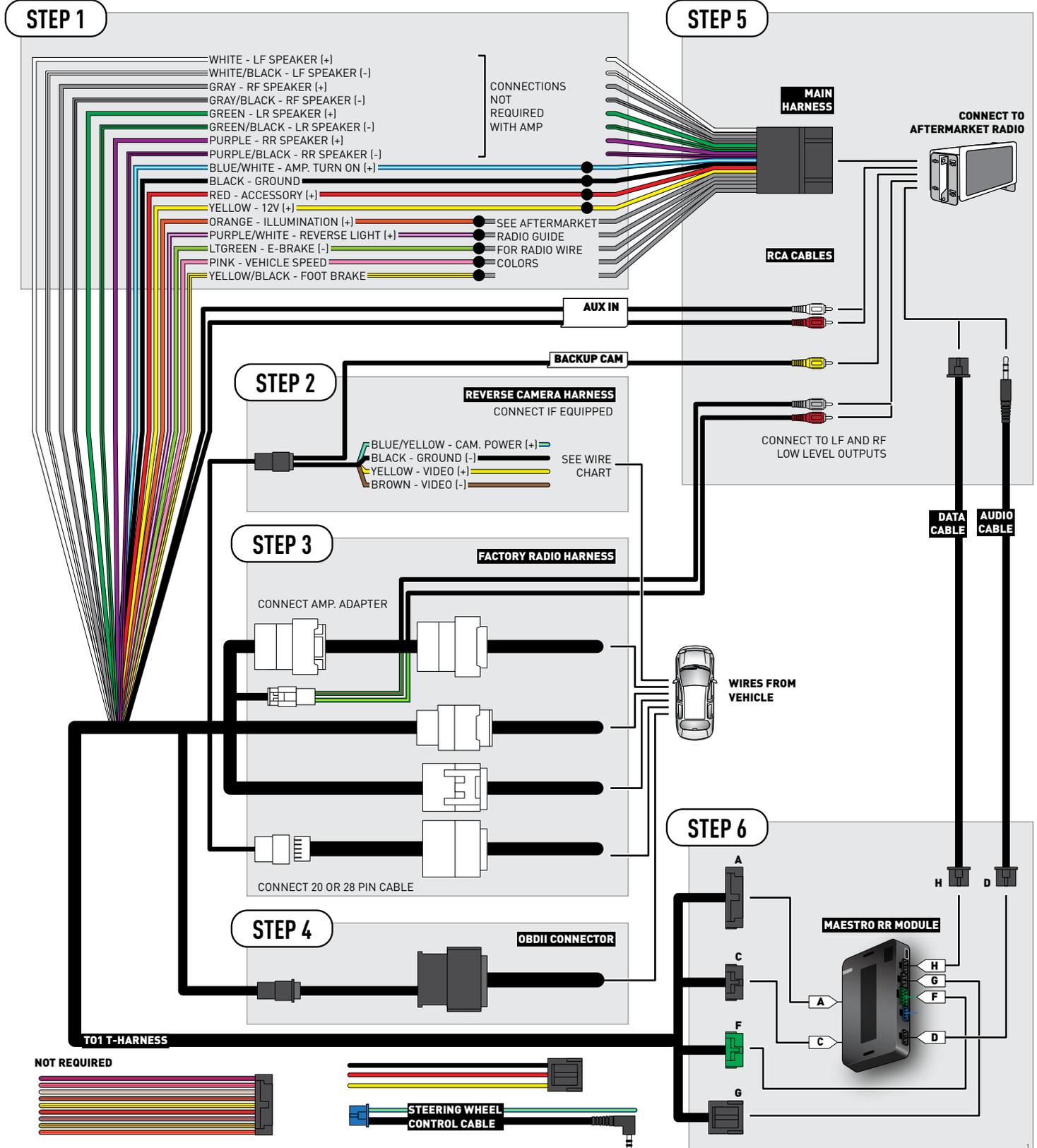
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



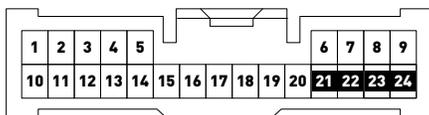
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

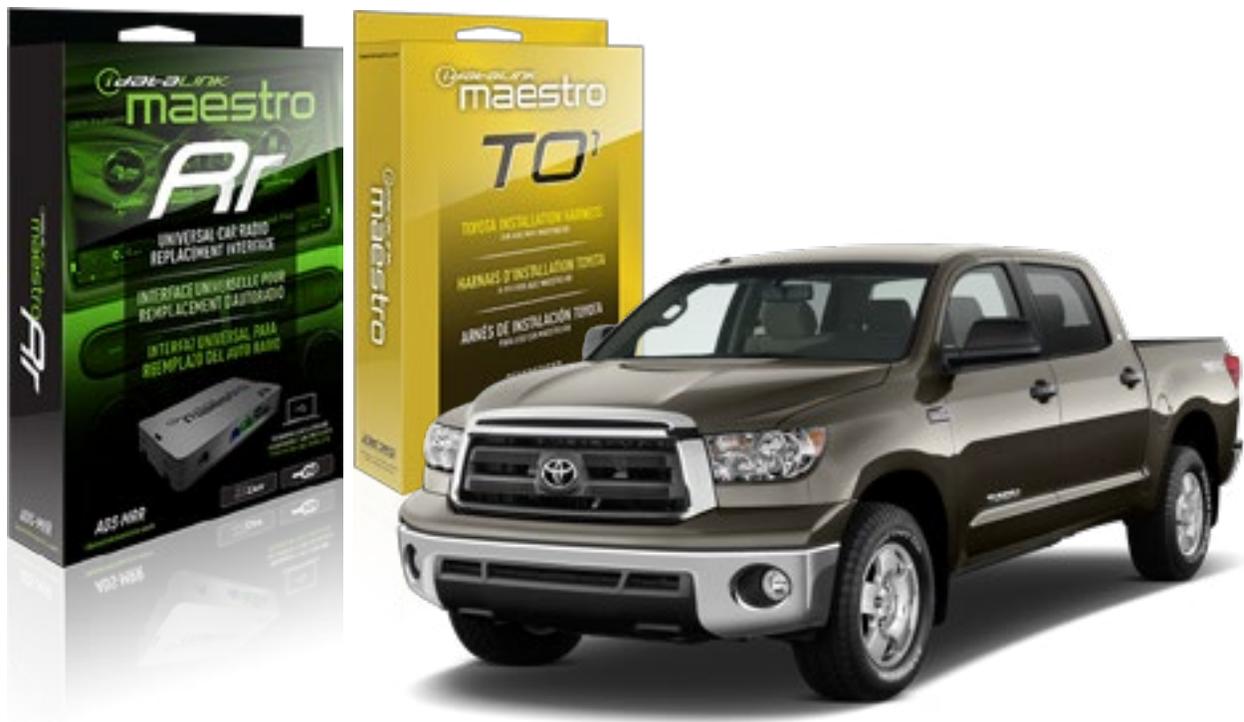
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	24	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	21	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	22	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	23	Shield	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



#### PRODUCTS REQUIRED

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#### PROGRAMMED FIRMWARE

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#### OPTIONAL ACCESSORIES



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# 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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

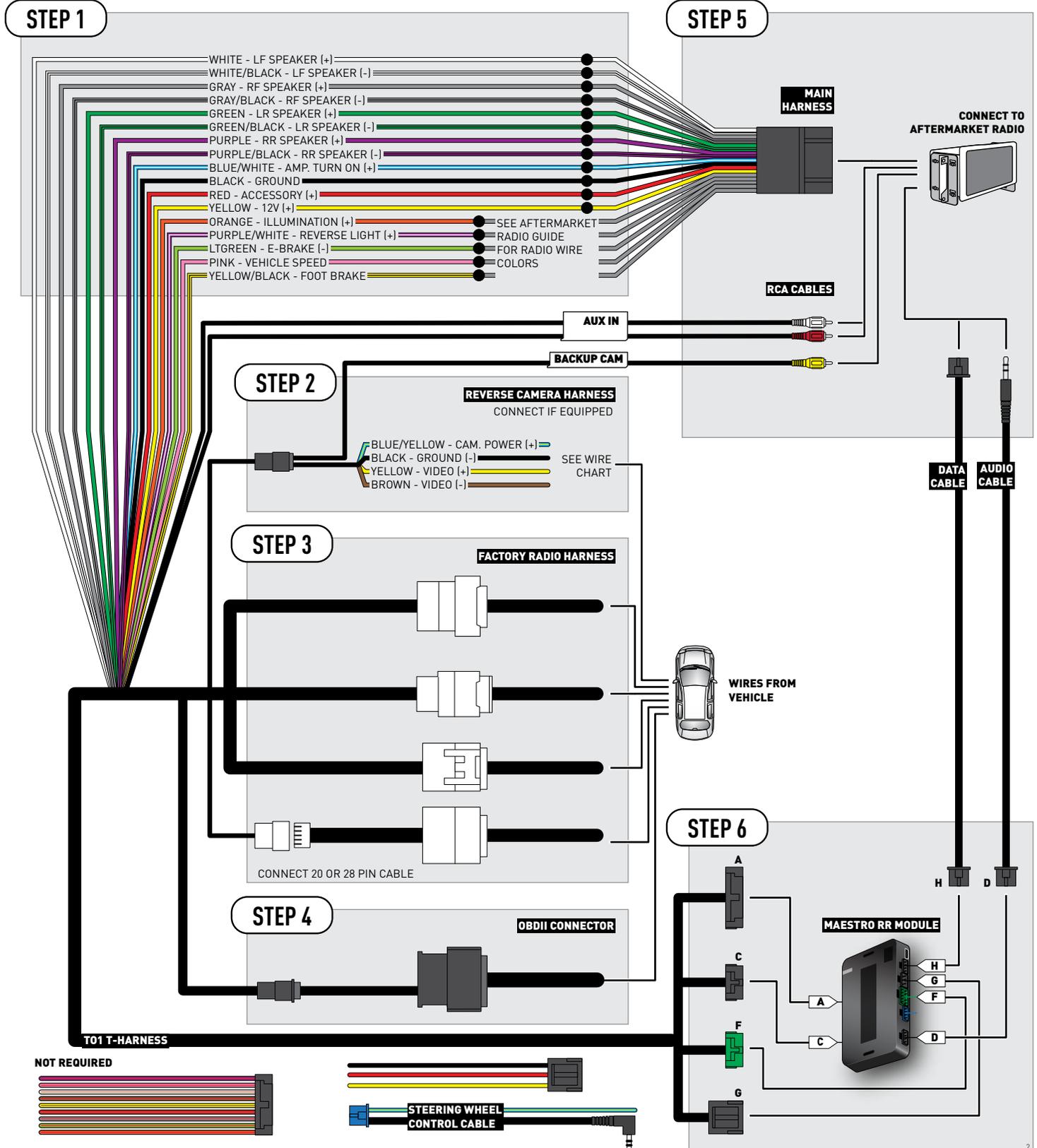
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



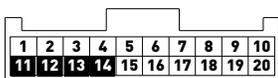
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	20 pin	13	Black	(+)	Reverse camera harness
Ground	~	~	20 pin	14	White	(-)	Reverse camera harness
Video +	~	~	20 pin	11	Red	(+)	Reverse camera harness
Video -	~	~	20 pin	12	Shield	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTOR (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

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iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

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#### OPTIONAL ACCESSORIES



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# NEED HELP?

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# INSTALLATION INSTRUCTIONS

## STEP 1

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- Connect the wires shown on the next page from aftermarket radio main harness to the T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

- Plug the aftermarket radio harnesses into the aftermarket radio.
- Connect the backup camera RCA cable into the aftermarket radio (if equipped).
- Connect the auxiliary RCA cables into the aftermarket radio (if equipped).
- Connect the left front and right front low level outputs RCA cables into the aftermarket 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.

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

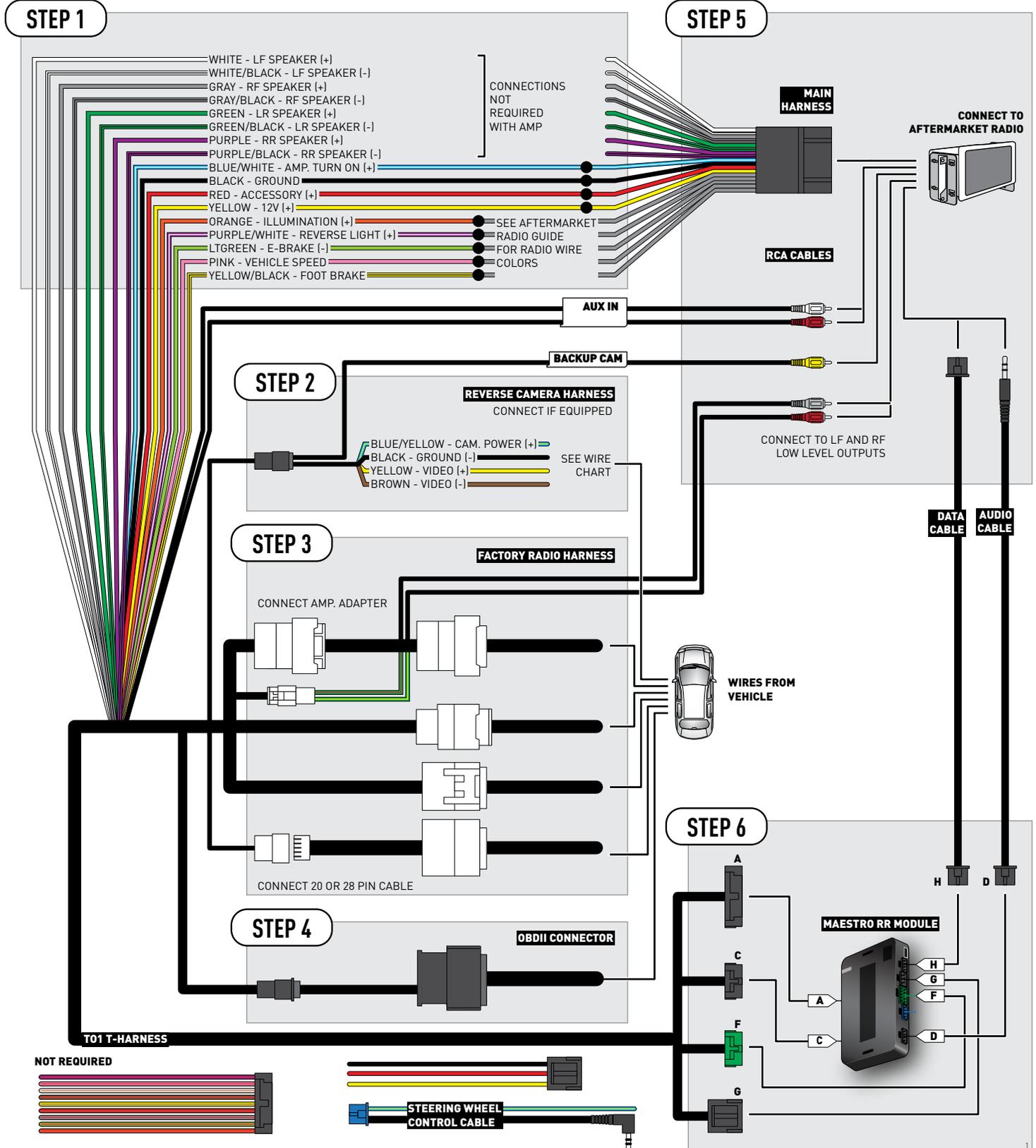
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



# 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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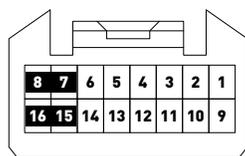
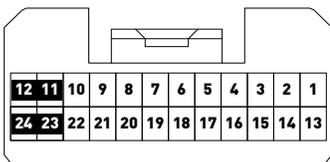
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

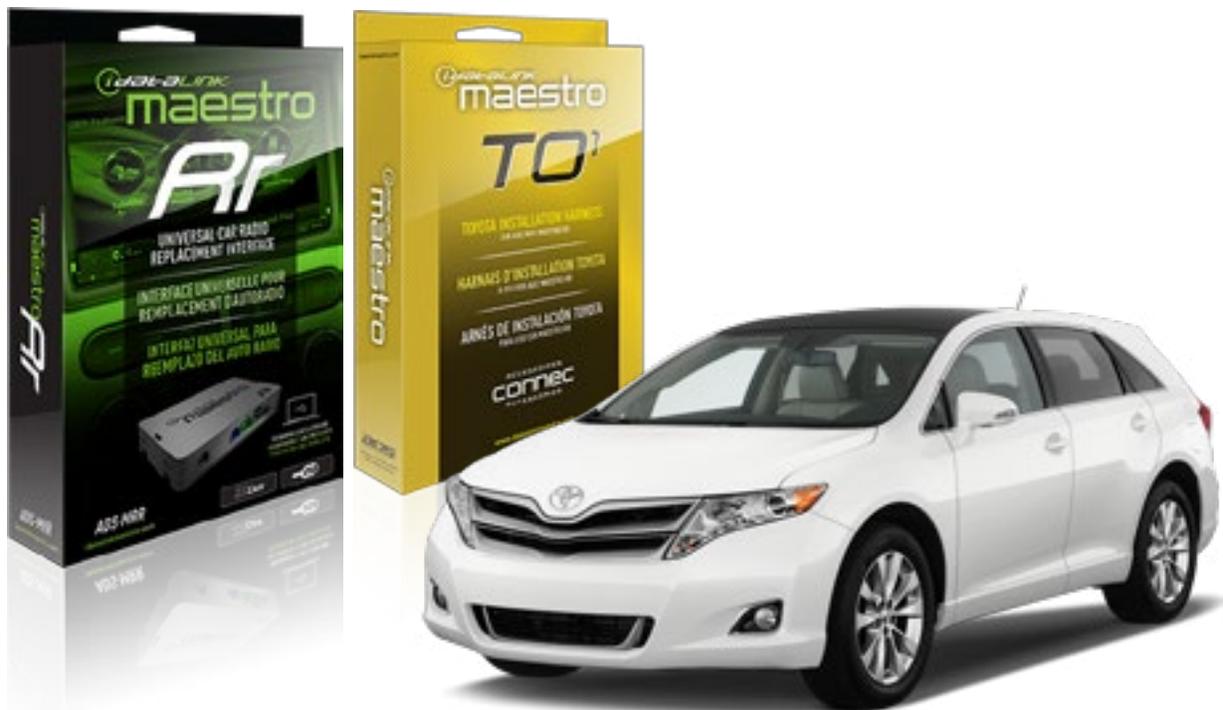
OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



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## STEP 1

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

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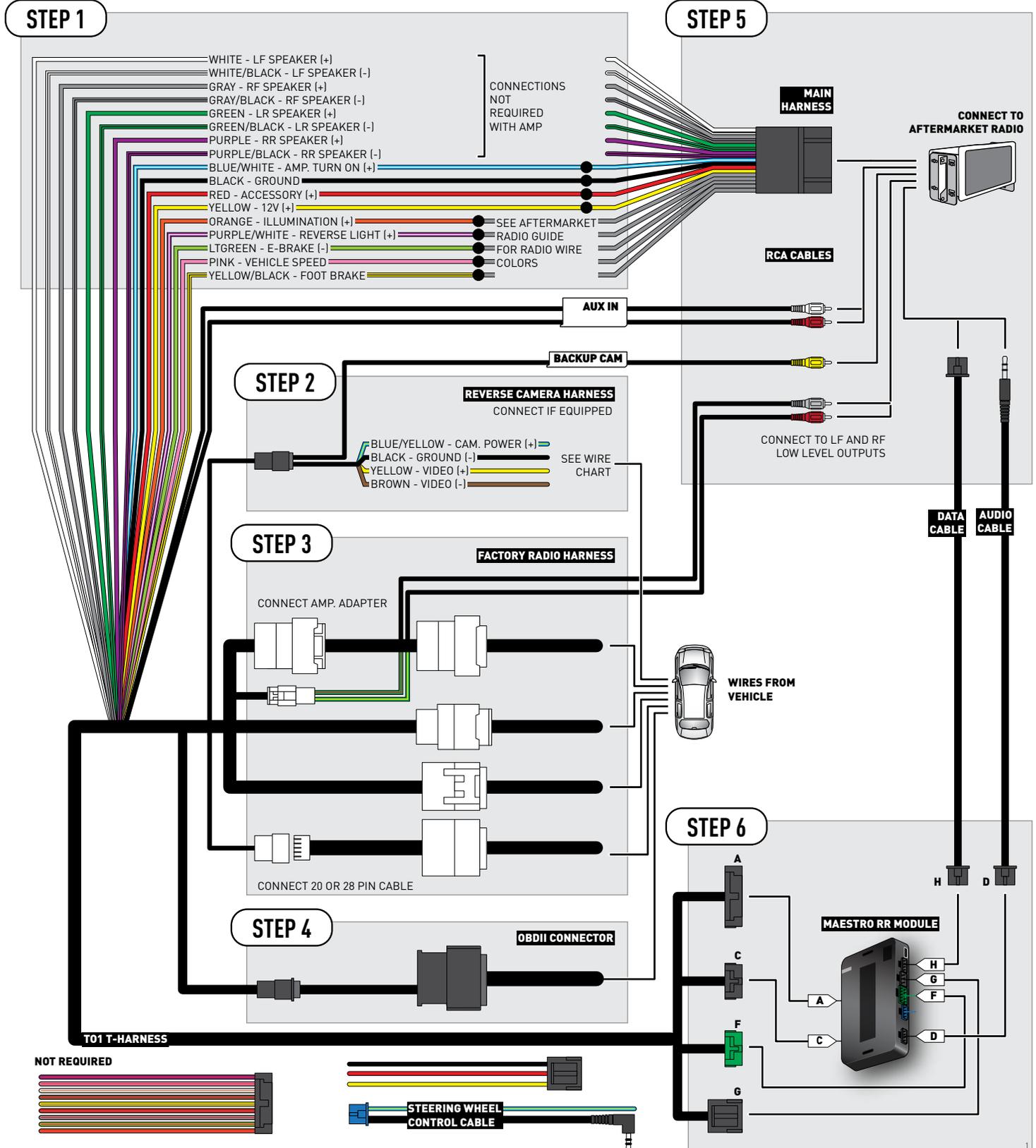
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *with an Amplifier*



# 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	N/A	N/A	N/A

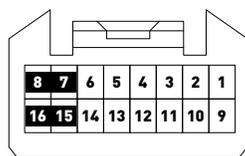
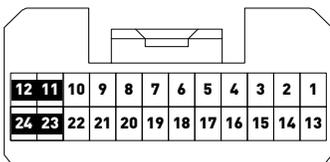
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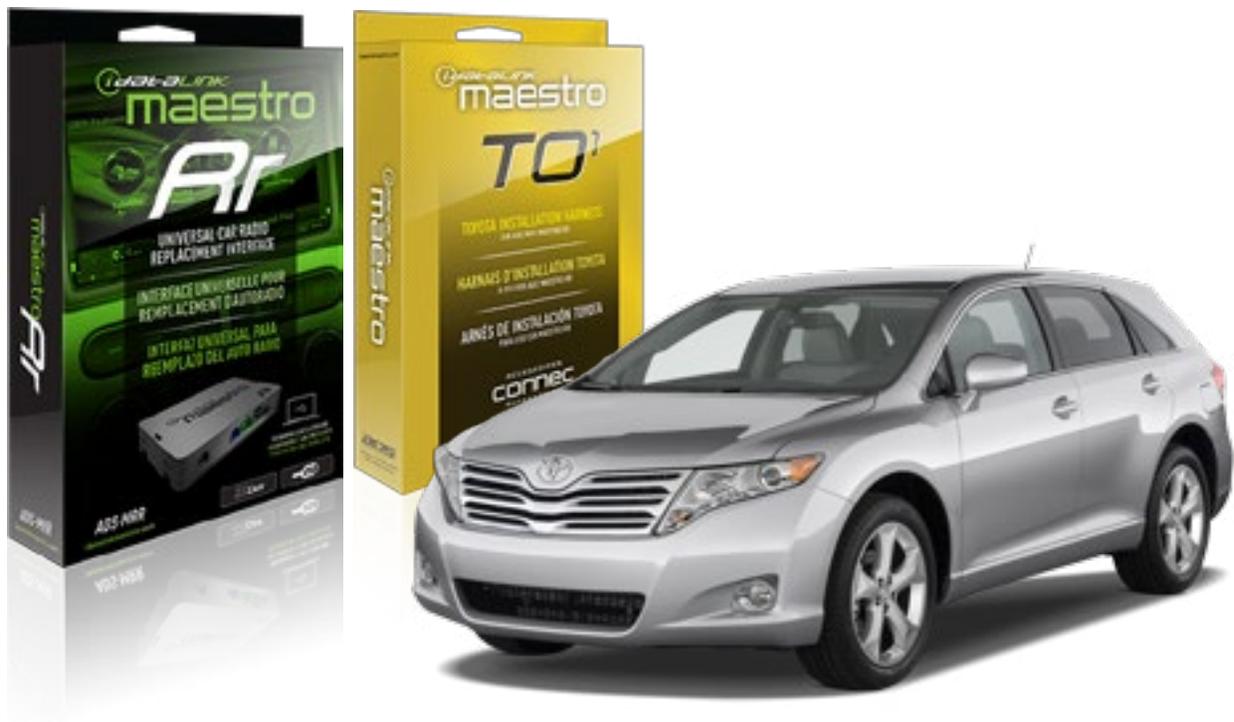
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Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
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Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



**RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!**



#### PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface  
iDatalink Maestro T01 Installation Harness

#### PROGRAMMED FIRMWARE

ADS-RR(SR)-TOY01-DS

#### OPTIONAL ACCESSORIES



Click here for:

[Radar Integration Installation Guide](#)

[Radar Integration Owner's Guide for Kenwood and JVC Radios](#)

# 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](mailto: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 T01 T-harness and match the wire functions.
- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

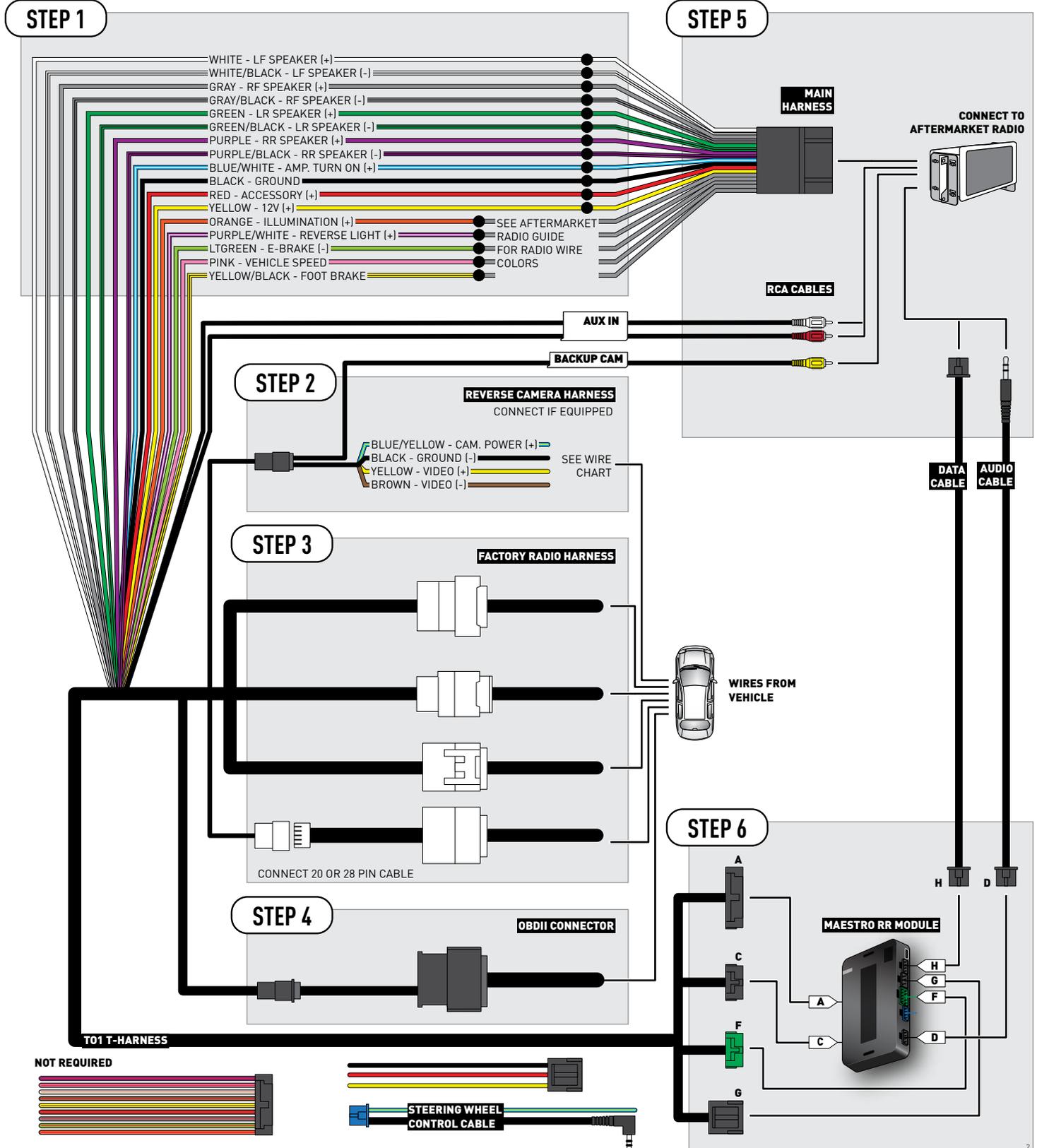
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



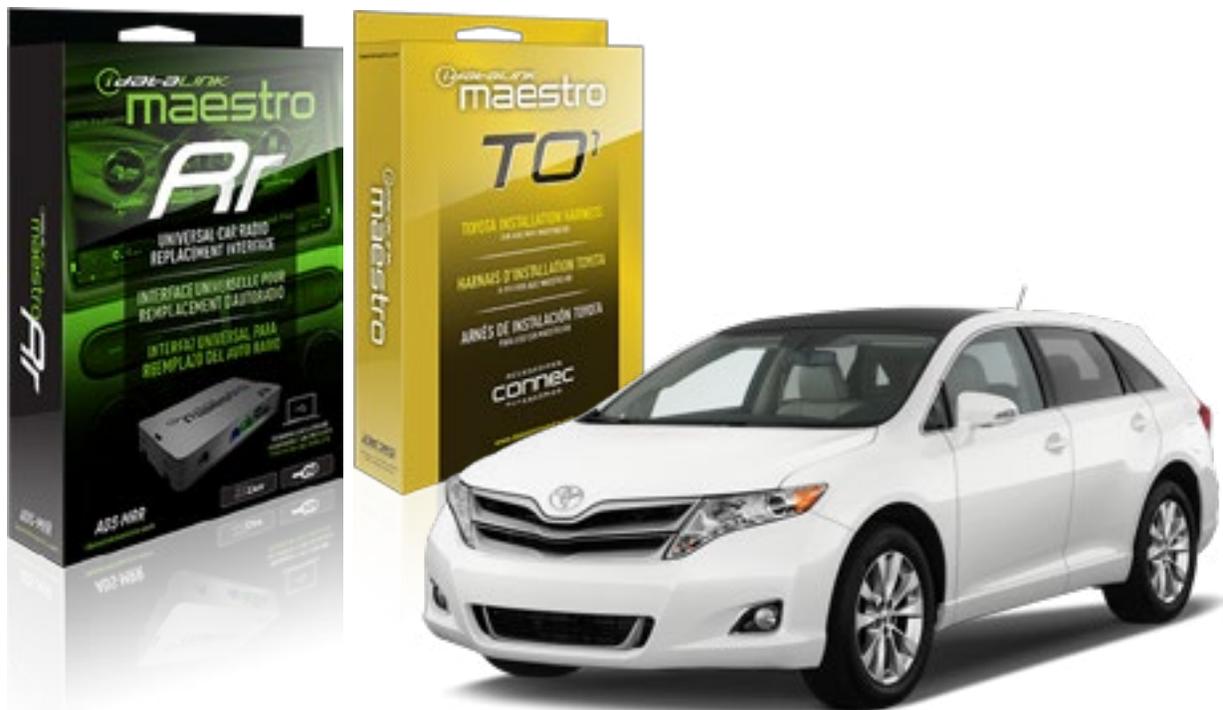
# RADIO WIRE REFERENCE CHART

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	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

RETAINS STEERING WHEEL CONTROLS, FACTORY AMPLIFIER, AND MORE!



#### PRODUCTS REQUIRED

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#### PROGRAMMED FIRMWARE

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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 T01 T-harness and match the wire functions.
- Remove the factory radio.

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- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

## STEP 3

- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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

### NOTE:

**In Pioneer radios: plug Audio cable in auxiliary input of the radio.**

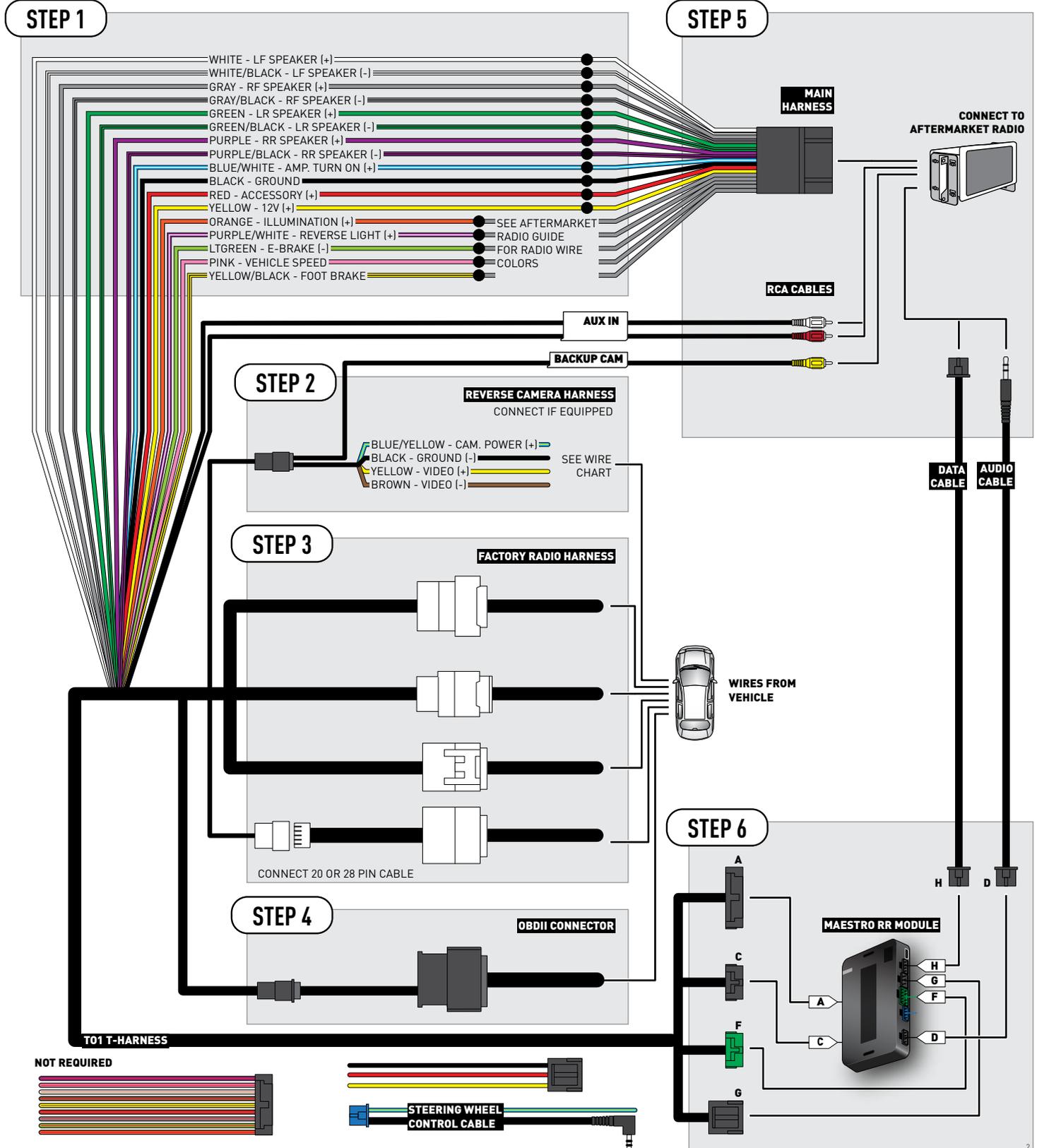
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



# 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	N/A	N/A	N/A

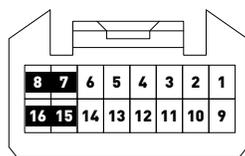
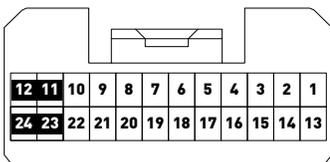
# VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	24 pin	11	Black	(+)	Reverse camera harness
Ground	~	~	24 pin	23	Shield	(-)	Reverse camera harness
Video +	~	~	24 pin	12	Red	(+)	Reverse camera harness
Video -	~	~	24 pin	24	White	(-)	Reverse camera harness

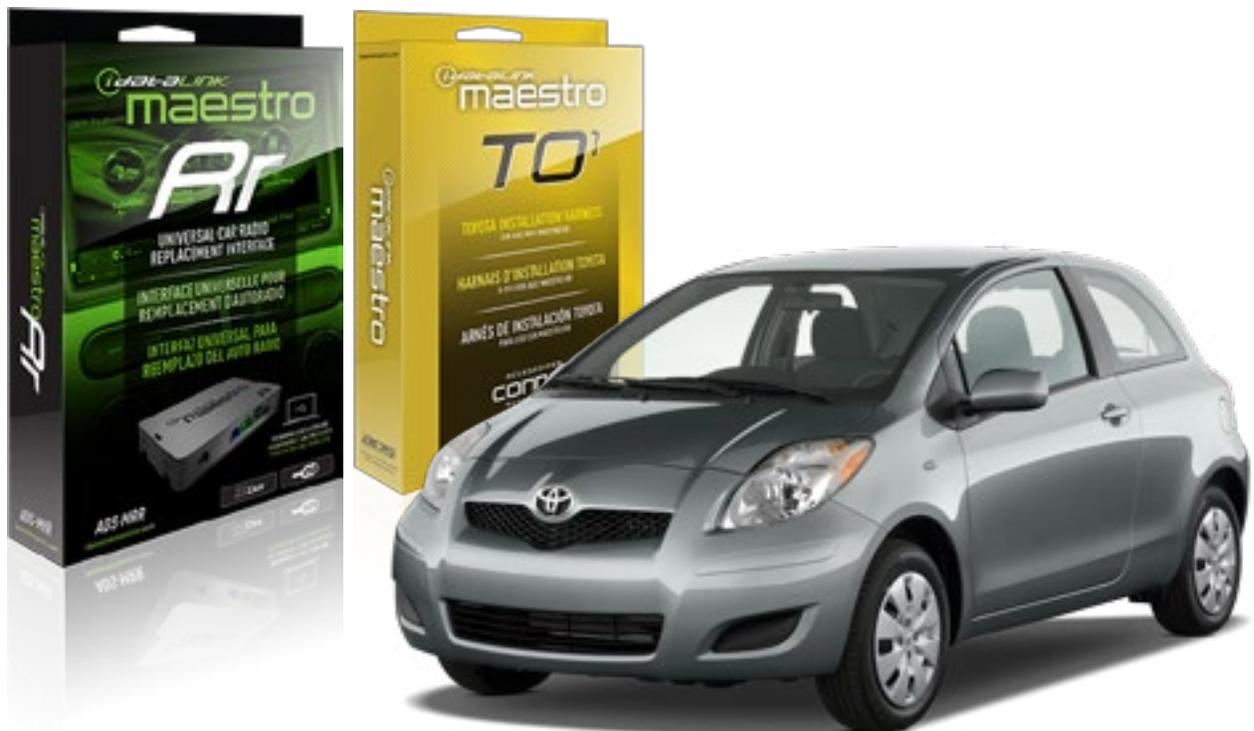
OR

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
Camera Power	~	~	16 pin	07	Black	(+)	Reverse camera harness
Ground	~	~	16 pin	15	Shield	(-)	Reverse camera harness
Video +	~	~	16 pin	08	Red	(+)	Reverse camera harness
Video -	~	~	16 pin	16	White	(-)	Reverse camera harness

## REVERSE CAMERA CONNECTORS (WIRE SIDE)



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#### PRODUCTS REQUIRED

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- Remove the factory radio.

## STEP 2

- If the vehicle is equipped with an OEM backup camera, connect the T01 T-harness to the backup camera harness (see wire chart for details).

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- Identify if your vehicle has a 20 or 28 pin secondary connector. Assemble T01 T-harness as shown on wiring diagram. Connect the factory harness to the T01 T-harness.

## STEP 4

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

## STEP 5

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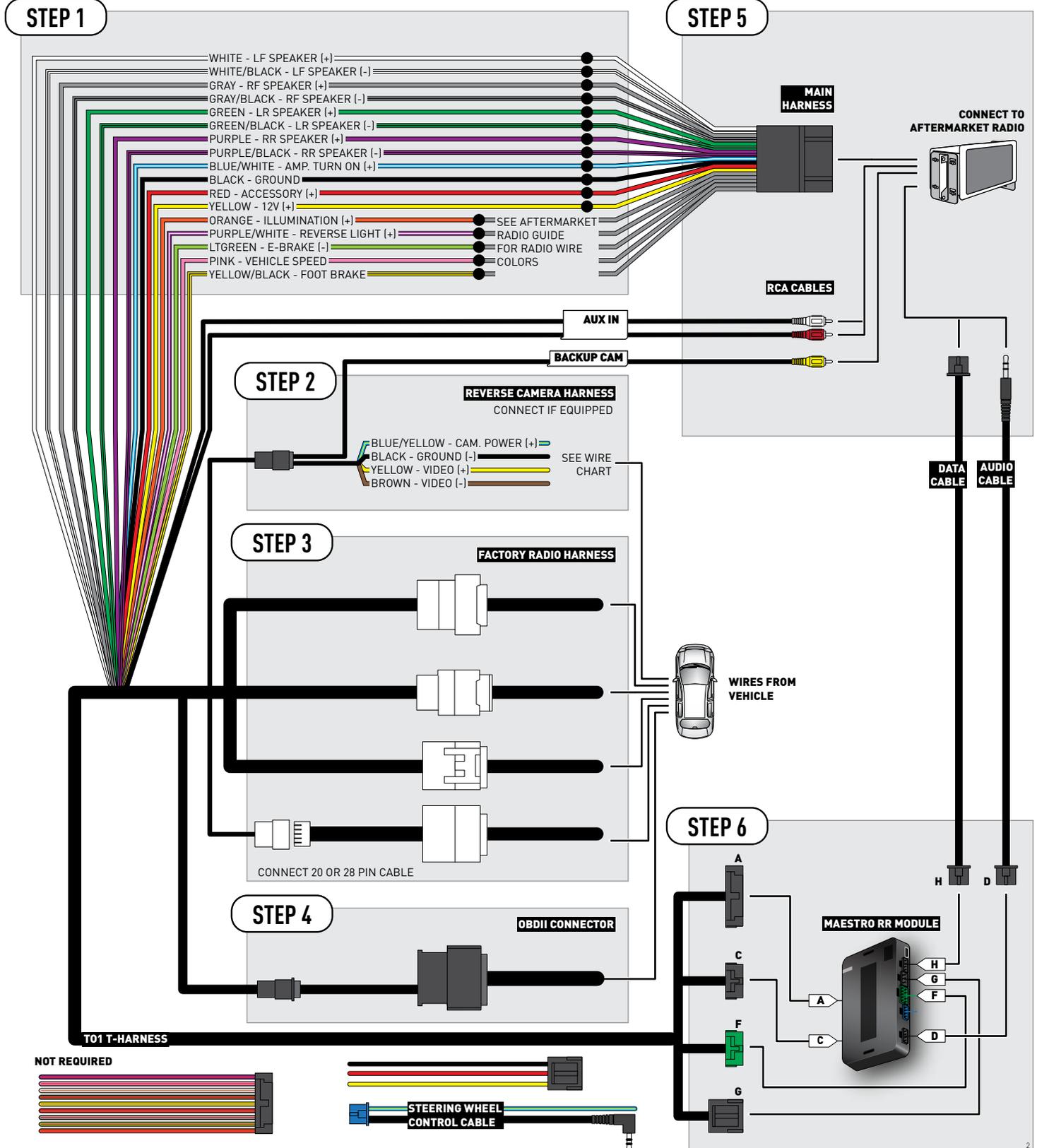
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



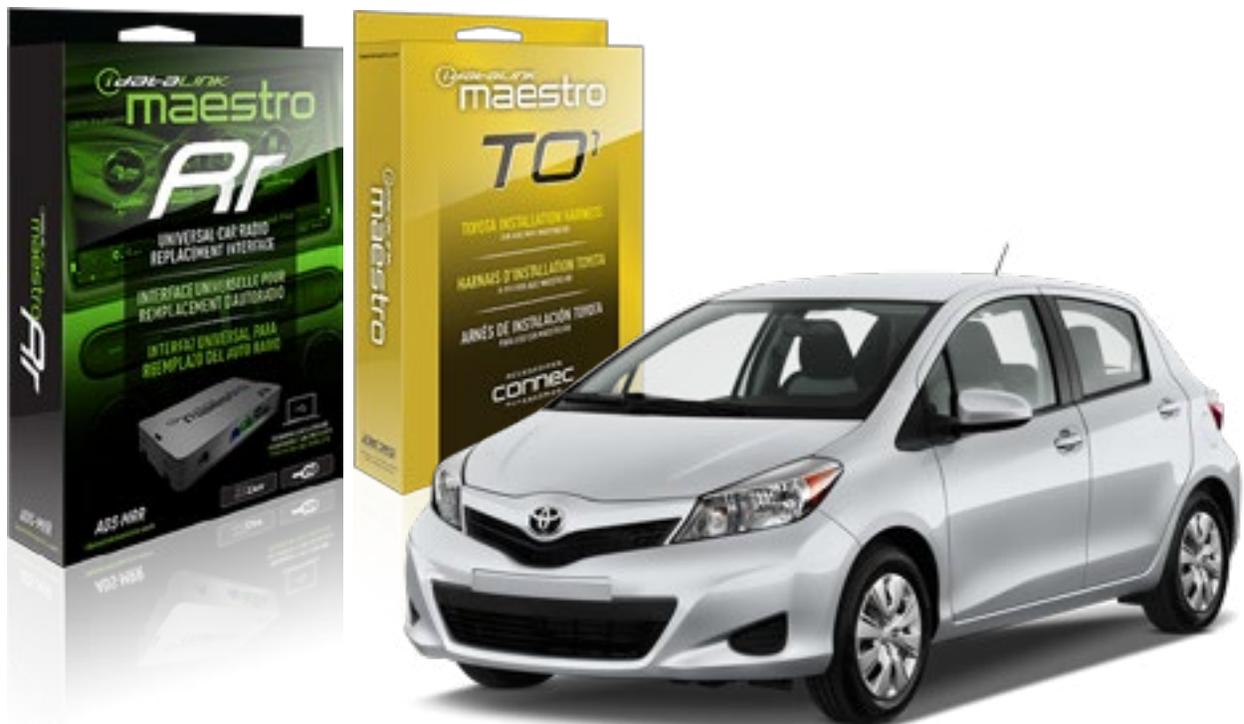
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VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	N/A	N/A

# VEHICLE WIRE REFERENCE CHART

REVERSE CAMERA NOT AVAILABLE / NOT PRESENT

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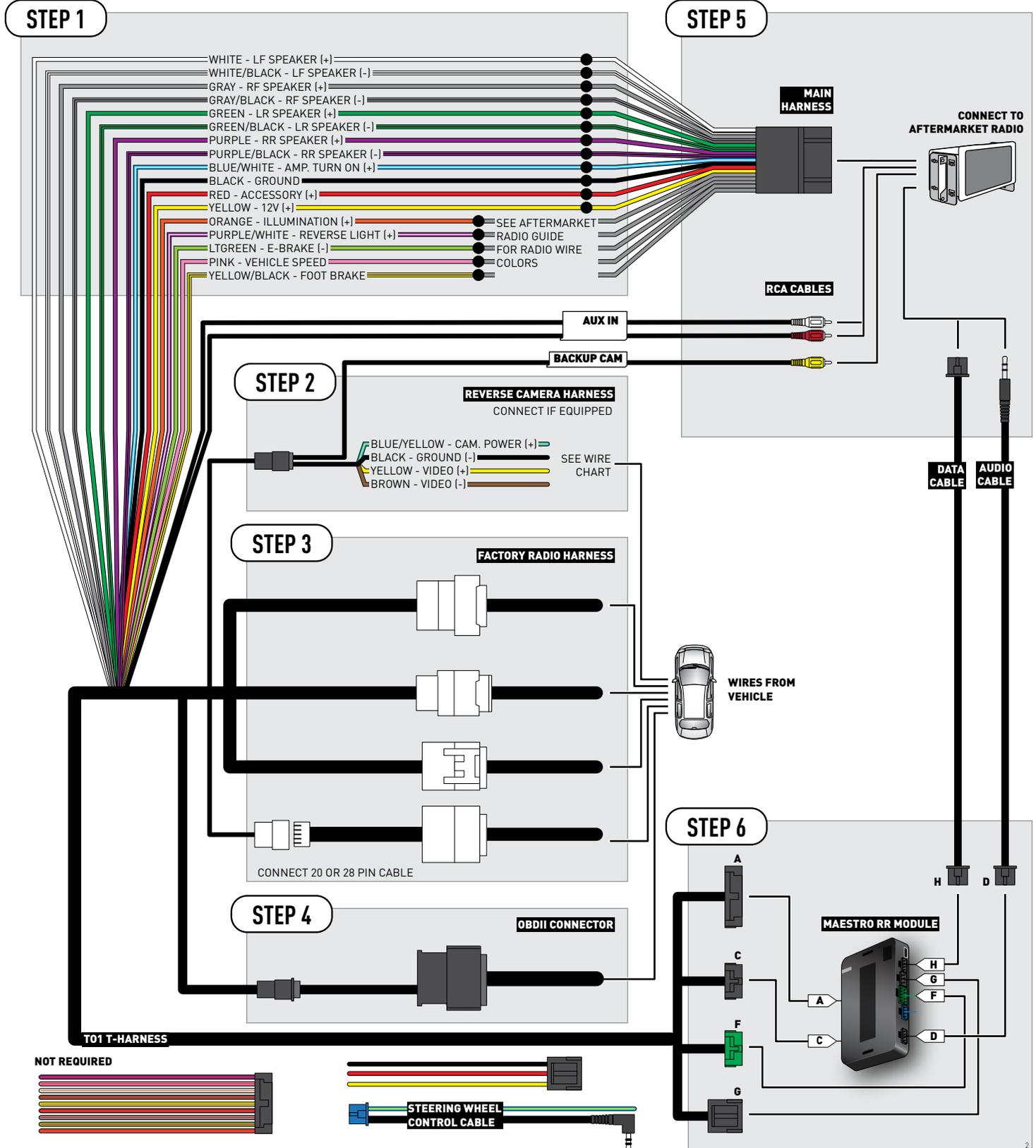
## STEP 6

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

### TROUBLESHOOTING TIPS:

- To reset the module back its factory settings, 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.
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# WIRING DIAGRAM *without an Amplifier*



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REVERSE CAMERA NOT AVAILABLE / NOT PRESENT