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.
INSTALL GUIDE

CHRYSLER 300
2015-2017

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

OPTIONAL ACCESSORIES
ADS-SP1

PROGRAMMED Firmware
ADS-RR(SR)-CHR03-DS

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

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

Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

Installation Instructions 3

Wiring Diagram 4

Radio Wire Reference Chart 5
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 CH3 T-harness and match the wire functions.

STEP 2
• Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:
• Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
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• Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
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• Remove the factory radio.

STEP 3
• Connect the factory harness to the CH3 T-harness.

STEP 4
• Plug the aftermarket radio harnesses 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.
If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

STEP 5
• Connect all the harnesses to the Maestro RR module then test your installation.
• If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ADS-SP1 is required: Plug the ADS-SP1 the Maestro RR.

If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

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 “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/”
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STEP 1
- WHITE - LF SPEAKER (+)
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- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- YELLOW/BLACK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- CONNECTIONS WITH AMP
  - GREEN  WHITE
  - WHITE  GREEN
  - BLACK  BLACK
- CONNECTIONS WITHOUT AMP
  - GREEN  GREEN
  - WHITE  WHITE

STEP 3
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- SPEAKER
  - *OPTIONAL ACCESSORY

NOTE: RCA CABLES

STEP 4
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- DATA CABLE
- AUDIO CABLE

STEP 5
- SPEAKER
- CH3 T-HARNESS
- CONNECTION NOT REQUIRED

MAESTRO RR MODULE

READ NOTE IN INSTALLATION INSTRUCTIONS SECTION
## RADIO WIRE REFERENCE CHART

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INSTALL GUIDE

CHRYSLER PACIFICA
2017

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED
iDataLink Maestro RR Radio Replacement Interface
iDataLink Maestro CH3 Installation Harness

OPTIONAL ACCESSORIES
ADS-SP1

PROGRAMMED Firmware
ADS-RR(SR)-CHR03-DS

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• Remove the factory radio.

STEP 3
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• Plug the aftermarket radio harnesses into the aftermarket radio.
• Plug the Data cable to the data port of the aftermarket radio.
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- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- ORANGE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- YELLOW/BLACK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 2
- CONNECTIONS WITH AMP
  - GREEN WHITE
- CONNECTIONS WITHOUT AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK BLACK

STEP 3
- FACTORY RADIO HARNESS

STEP 4
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

STEP 5
- WIRING DIAGRAM
- SPEAKER* (OPTIONAL ACCESSORY)
- MAESTRO RR MODULE

Chrysler Pacifica 2017

Notice: Connection Not Required
# RADIO WIRE REFERENCE CHART

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</tr>
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<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
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<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
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INSTALL GUIDE
DODGE CHALLENGER
2015-2017
RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

OPTIONAL ACCESSORIES
ADS-SP1

PROGRAMMED Firmware
ADS-RR(SR)-CHR03-DS

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NEED HELP?

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DURING INSTALLATION

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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 CH3 T-harness and match the wire functions.

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• Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

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• Remove the factory radio.

STEP 3

• Connect the factory harness to the CH3 T-harness.

STEP 4

• Plug the aftermarket radio harnesses 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.

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STEP 5

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- BLACK - GROUND
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- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- YELLOW/BLACK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITH AMP
- GREEN/WHITE
- WHITE/GREEN
- CONNECTIONS WITHOUT AMP
- GREEN GREEN
- WHITE WHITE
- BLACK BLACK

**STEP 3**
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

**STEP 4**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- BACKUP CAM
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

**STEP 5**
- RCA CABLES
- SPEAKER* *OPTIONAL ACCESSORY
- MAESTRO RR MODULE
- RCA CABLES
- DATA CABLE
- AUDIO CABLE

**CH3 T-HARNESS**
- CONNECTION NOT REQUIRED
## RADIO WIRE REFERENCE CHART

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OPTIONAL ACCESSORIES
ADS-SP1
PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

PRODUCTS REQUIRED
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iDatalink Maestro CH3 Installation Harness

INSTALL GUIDE
DODGE CHARGER
2015-2017
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  - GREEN
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  - WHITE
  - BLACK
  - BLACK

**STEP 3**
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

**STEP 4**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- DATA CABLE
- AUDIO CABLE
- RCA CABLES

**STEP 5**
- SPEAKER*
  - *OPTIONAL ACCESSORY
- MAESTRO RR MODULE

**CH3 T-HARNESS**
- CONNECTION NOT REQUIRED
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PROGRAMMED Firmware
ADS-RR(SR)-CHR03-DS

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

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Before starting your installation, please ensure that your iDatalink Maestro module is programmed with the correct firmware and that you carefully review the Installation Diagram and Vehicle Wire Reference Chart.

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

NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum

DURING INSTALLATION

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</tr>
<tr>
<td>Radio Wire Reference Chart</td>
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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 CH3 T-harness and match the wire functions.

STEP 2
- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
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- Remove the factory radio.

STEP 3
- Connect the factory harness to the CH3 T-harness.

STEP 4
- Plug the aftermarket radio harnesses 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 5
- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ADS-SP1 is required: Plug the ADS-SP1 the Maestro RR.

If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

TROUBLESHOOTING TIPS:
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- WHITE - LF SPEAKER (+)
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- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LT GREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- YELLOW/BLACK - FOOT BRAKE (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

**STEP 2**
- CONNECTIONS WITH AMP
  - GREEN WHITE
  - WHITE GREEN
- CONNECTIONS WITHOUT AMP
  - GREEN GREEN
  - WHITE WHITE
  - BLACK BLACK

**STEP 3**
- FACTORY RADIO HARNES
- WIRES FROM VEHICLE

**STEP 4**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- BACKUP CAM
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

**STEP 5**
- SPEAKER*
- *OPTIONAL ACCESSORY
- MAESTRO RR MODULE

**CH3 T-HARNESS**
- CONNECTION NOT REQUIRED

---

*OPTIONAL ACCESSORY*
## RADIO WIRE REFERENCE CHART

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<tr>
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<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
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<td>Pink</td>
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INSTALL GUIDE

JEEP GRAND CHEROKEE
2014-2017

RETTAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro CH3 Installation Harness

OPTIONAL ACCESSORIES
- ADS-SP1

PROGRAMMED FIRMWARE
- ADS-RR(SR)-CHR03-DS

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DURING INSTALLATION

| Installation Instructions | 3 |
| Wiring Diagram            | 4 |
| Radio Wire Reference Chart| 5 |

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**STEP 2**
- CONNECTIONS WITH AMP
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**STEP 3**
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE

**STEP 4**
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- RCA CABLES
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

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- SPEAKER*
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- CH3 T-HARNESS
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OPTIONAL ACCESSORIES
ADS-SP1
PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR03-DS

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH3 Installation Harness

INSTALL GUIDE
RAM 1500
2013-2017

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

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STEP 3
- FACTORY RADIO HARNESS
- WIRES FROM VEHICLE
- RCA CABLES

STEP 4
- MAIN HARNESS
- CONNECT TO AFTERMARKET RADIO
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION
- BACKUP CAM
- AUDIO CABLE
- DATA CABLE

STEP 5
- SPEAKER*
  *OPTIONAL ACCESSORY
- MAESTRO RR MODULE
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# Install Guide

**RAM 2500 & 3500 2013-2017**

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

## Products Required
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro CH3 Installation Harness

## Optional Accessories
- ADS-SP1

## Programmed Firmware
- ADS-RR(SR)-CHR03-DS

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- Wiring Diagram 4
- Radio Wire Reference Chart 5

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CONNECTIONS WITH AMP
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WHITE GREEN

CONNECTIONS WITHOUT AMP
GREEN GREEN
WHITE WHITE
BLACK BLACK

STEP 3

FACTORY RADIO HARNESS
WIRING FROM VEHICLE

STEP 4

MAIN HARNESS
CONNECT TO AFTERMARKET RADIO
READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

RCA CABLES
BACKUP CAM

STEP 5

CONNECT TO FACTORY RADIO HARNESS
FACTORY RADIO HARNESS WIRES FROM VEHICLE

SPEAKER*
*OPTIONAL ACCESSORY

MAESTRO RR MODULE

CH3 T-HARNESS
CONNECTION NOT REQUIRED

*OPTIONAL ACCESSORY

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## INSTALL GUIDE

**RAM CHASSIS CAB**

2013-2017

RETAINS STEERING WHEEL CONTROLS, VEHICLE SETTINGS, AND MORE!

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### PRODUCTS REQUIRED
- iDatalink Maestro RR Radio Replacement Interface
- iDatalink Maestro CH3 Installation Harness

### OPTIONAL ACCESSORIES
- ADS-SP1

### PROGRAMMED FIRMWARE
- ADS-RR(SR)-CHR03-DS

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NEED HELP?

1 866 427-2999

support@idatalink.com

maestro.idatalink.com/support

www.12voltdata.com/forum
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 CH3 T-harness and match the wire functions.

**STEP 2**
- Determine if the vehicle has a factory amplifier. Look for badges on the radio, door panels and dash that indicate the presence of an amplifier (ex: Alpine).

If the vehicle DOES NOT have a factory amplifier:
- Plug the female GREEN connector to the male GREEN connector of your CH3 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH3 T-harness.

If the vehicle DOES have a factory amplifier:
- Plug the female GREEN connector to the male WHITE connector of your CH3 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH3 T-harness.
- Remove the factory radio.

**STEP 3**
- Connect the factory harness to the CH3 T-harness.

**STEP 4**
- Plug the aftermarket radio harnesses 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.
If the vehicle is equipped with parking sensors AND using an Alpine radio: plug Audio cable in auxiliary input of the radio.

**STEP 5**
- Connect all the harnesses to the Maestro RR module then test your installation.
- If the vehicle is equipped with OEM parking assist, lane departure, or other safety systems, the ADS-SP1 is required: Plug the ADS-SP1 to the Maestro RR.
  If you are not using this speaker, the radio will mute when the parking assist is active. If you are using this speaker, the parking assist chimes will play through the external speaker and the radio will not mute unless the settings are changed in the radio.

**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 “support@idatalink.com”. Visit us at “maestro.idatalink.com/support” and “www.12voltdata.com/forum/"
WIRING DIAGRAM

**STEP 1**
- WHITE - LF SPEAKER (+)
- WHITE/BLACK - LF SPEAKER (-)
- GRAY - RF SPEAKER (+)
- GRAY/BLACK - RF SPEAKER (-)
- GREEN - LR SPEAKER (+)
- GREEN/BLACK - LR SPEAKER (-)
- PURPLE - RR SPEAKER (+)
- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP TURN ON (+)
- BLACK - GROUND
- RED - ACCESSORY (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- BROWN (NOT CONNECTED)

**STEP 2**
- GREEN/WHITE - CONNECTIONS WITH AMP
- WHITE/GREEN - CONNECTIONS WITHOUT AMP
- GREEN - FACTORY RADIO HARNESS
- WHITE - FACTORY RADIO HARNESS
- BLACK - FACTORY RADIO HARNESS

**STEP 3**
- FACTORY RADIO HARNESS WIRES FROM VEHICLE
- CH3 T-HARNESS

**STEP 4**
- MAIN HARNESS
- RCA CABLES
- CONNECT TO AFTERMARKET RADIO
- DATA CABLE
- AUDIO CABLE
- SPEAKER*
- *OPTIONAL ACCESSORY
- MAESTRO RR MODULE

**STEP 5**
- YELLOW - 12V (+)
- RED - ACCESSORY (+)
- GREEN - RR SPEAKER (+)
- BLUE - RR SPEAKER (-)
- BLACK - GROUND
- BROWN - GROUND
- CONNECTION NOT REQUIRED
- CONNECT TO AFTERMARKET RADIO
- READ NOTE IN INSTALLATION INSTRUCTIONS SECTION

*OPTIONAL ACCESSORY
# RADIO WIRE REFERENCE CHART

<table>
<thead>
<tr>
<th>Wire Description</th>
<th>Polarity</th>
<th>Wire Color on Maestro T-Harness</th>
<th>Wire Color on Alpine cable</th>
<th>Wire Color on Kenwood cable</th>
<th>Wire Color on Pioneer cable</th>
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</thead>
<tbody>
<tr>
<td>Illumination</td>
<td>(+)</td>
<td>Orange</td>
<td>N/A</td>
<td>Orange/White</td>
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<tr>
<td>Reverse Light</td>
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<td>Purple/White</td>
<td>Orange/White</td>
<td>Purple/White</td>
<td>Purple/White</td>
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<tr>
<td>E-Brake</td>
<td>(-)</td>
<td>Lt Green</td>
<td>Yellow/Blue</td>
<td>Lt Green</td>
<td>Lt Green</td>
</tr>
<tr>
<td>Foot Brake</td>
<td>(+)</td>
<td>Yellow/Black</td>
<td>Yellow/Black</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VSS [vehicle speed sensor]</td>
<td>[DATA]</td>
<td>Pink</td>
<td>Green/White</td>
<td>N/A</td>
<td>Pink</td>
</tr>
</tbody>
</table>