idatalink™ maestro Rr

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.

![iDatalink maestro Rr logo]

INSTALL GUIDE
CHRYSLER 200
2011-2014

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED
iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-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.

DURING INSTALLATION

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
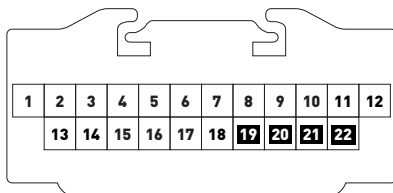- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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/"

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on

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2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.
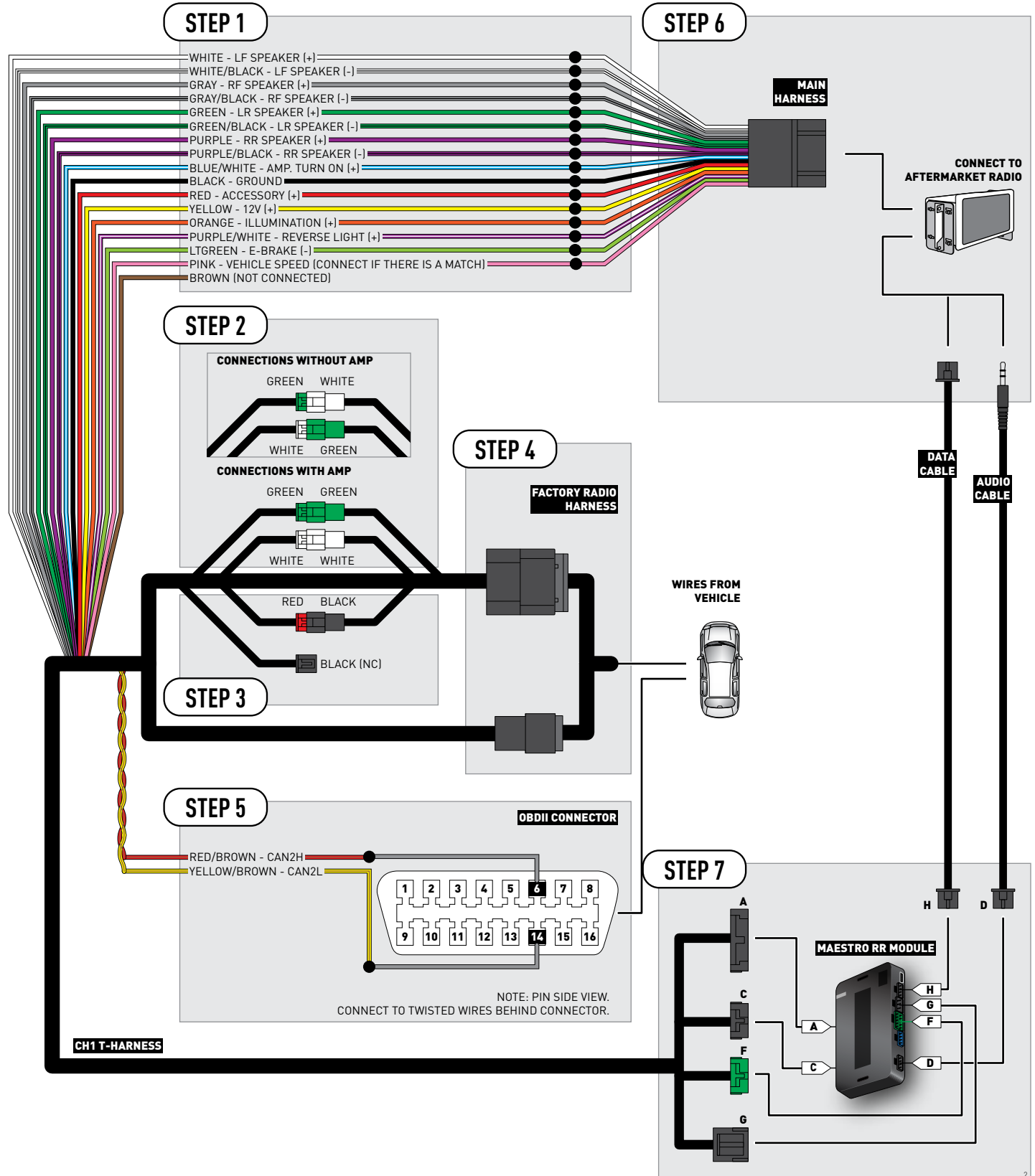
2014 Pioneer Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

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

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

DATA CABLE

AUDIO CABLE

STEP 2

CONNECTIONS WITHOUT AMP

GREEN WHITE

WHITE GREEN

CONNECTIONS WITH AMP

GREEN GREEN

WHITE WHITE

RED BLACK

BLACK (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

STEP 5

OBDII CONNECTOR

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

STEP 7

MAESTRO RR MODULE

A
C
F
G

H
G
F
D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White/DkBlue	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

maestro Rr

INSTALL GUIDE
CHRYSLER 300
2008-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

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DURING INSTALLATION

INSTALLATION INSTRUCTIONS

STEP 1

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STEP 2

- Remove the factory radio.
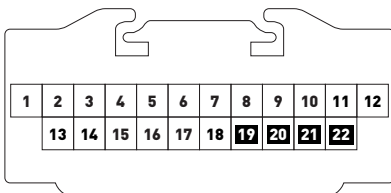- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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STEP 3

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STEP 4

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- Plug the Data cable to the data port of the aftermarket radio.
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STEP 7

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MODULE SETUP:

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This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

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The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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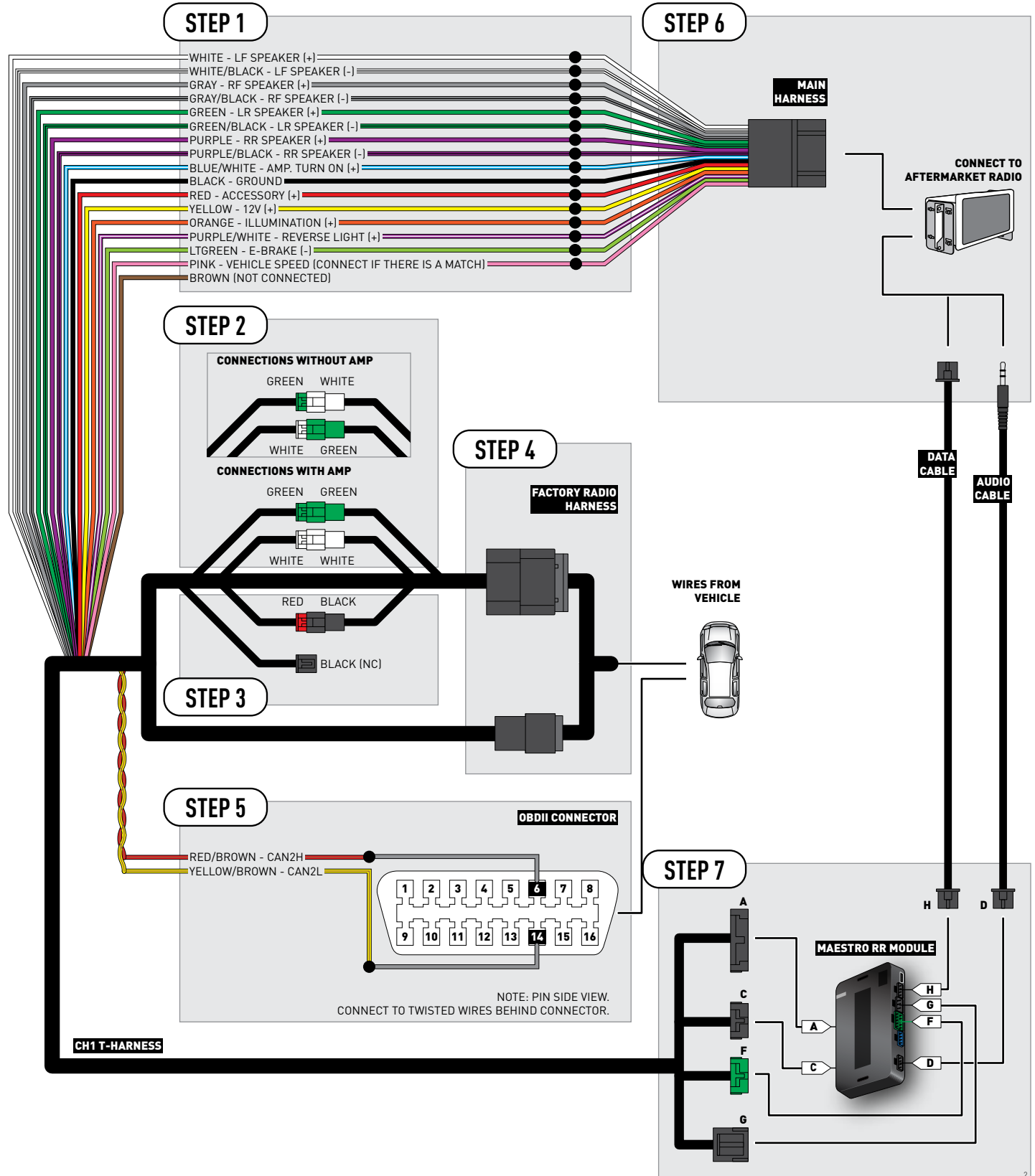
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STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

DATA CABLE

AUDIO CABLE

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

RED   BLACK

BLACK (NC)

STEP 3

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 5

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

OBDII CONNECTOR

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

STEP 7

A

C

F

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MAESTRO RR MODULE

H
G
F

A

C

D

H   D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
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RADIO WIRE REFERENCE CHART

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

maestro Rr

INSTALL GUIDE
CHRYSLER ASPEN
2008-2009

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED	OPTIONAL ACCESSORIES	PROGRAMMED FIRMWARE
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WELCOME

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STEP 1

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STEP 2

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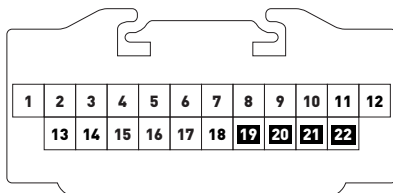- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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STEP 3

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INSTALLATION INSTRUCTIONS

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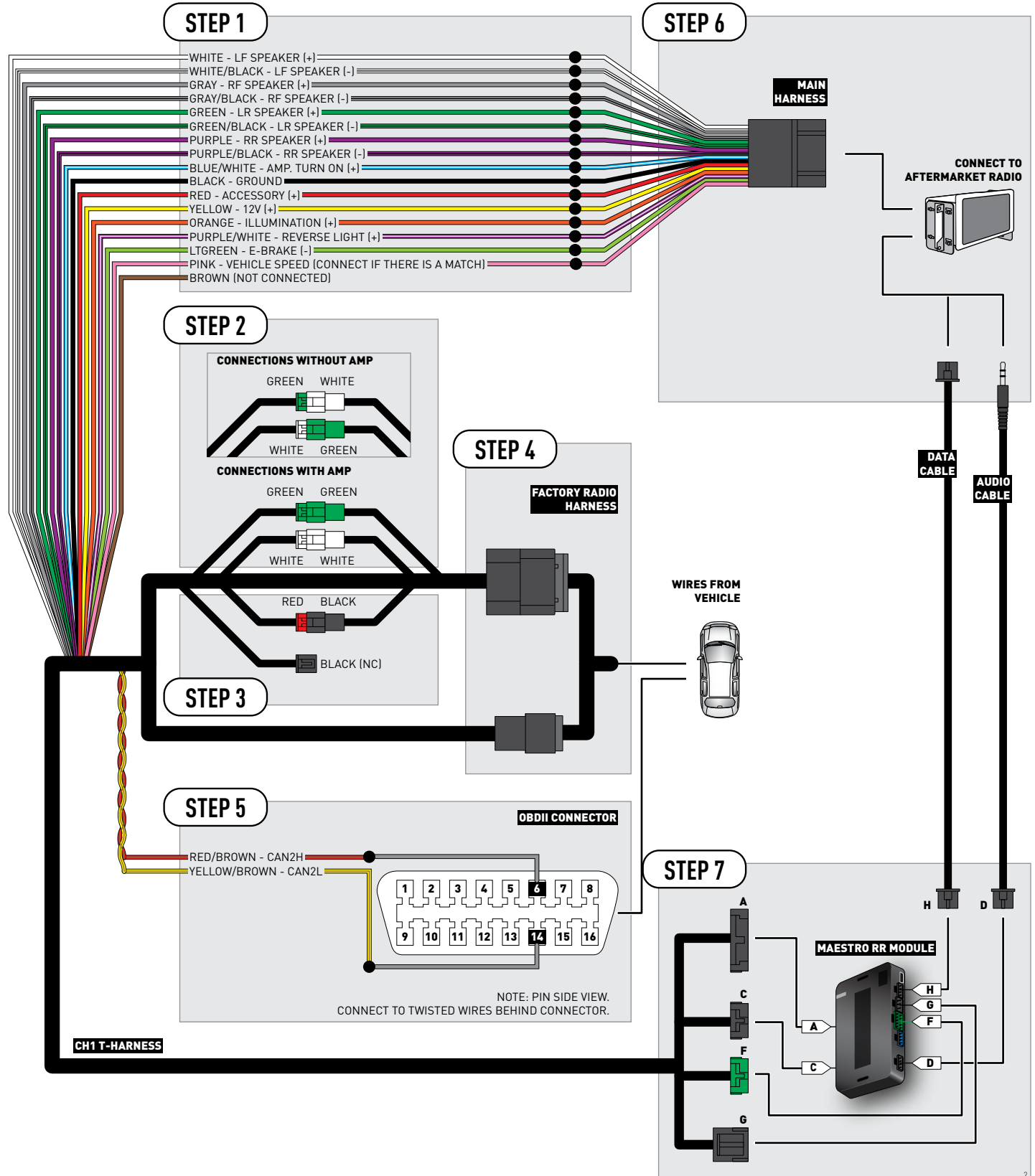**2014 Pioneer Radios:**

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MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN WHITE

WHITE GREEN

CONNECTIONS WITH AMP

GREEN GREEN

WHITE WHITE

RED BLACK

BLACK (NC)

STEP 4

FACTORY RADIO HARNESS

STEP 3

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AUDIO CABLE

STEP 5

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1	2	3	4	5	6	7	8
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CH1 T-HARNESS

A

C

F

G

MAESTRO RR MODULE

H
G
F

A

C

D

H D

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

![iDatalink maestro RR logo]

INSTALL GUIDE
CHRYSLER SEBRING
2007-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES

ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-DS

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

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
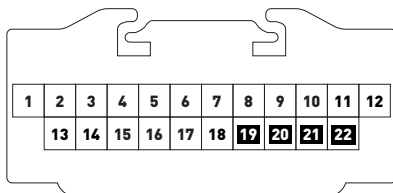- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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/"

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

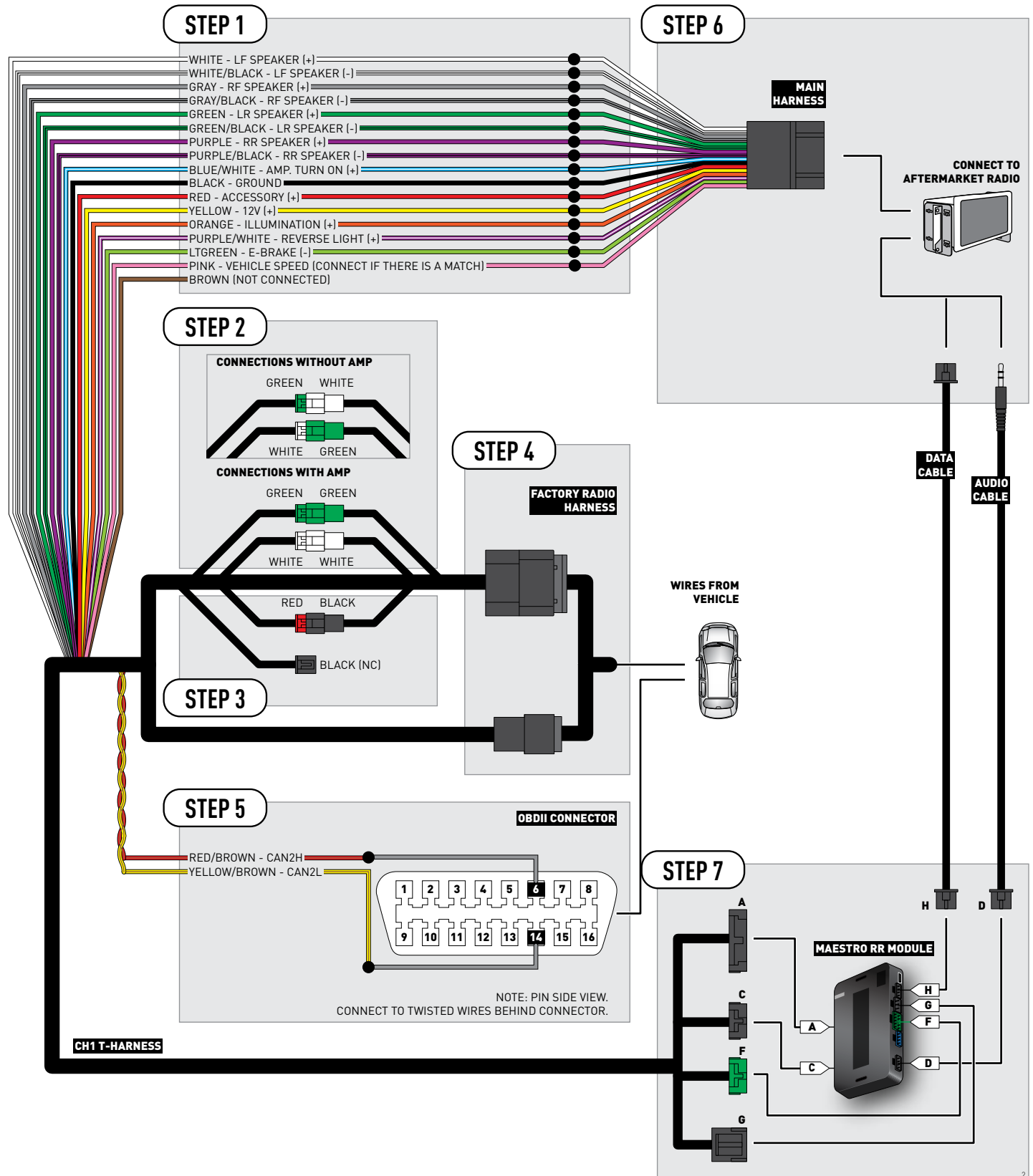**2014 Pioneer Radios:**

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

DATA CABLE

AUDIO CABLE

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

RED   BLACK

BLACK (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

STEP 5

OBDII CONNECTOR

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

STEP 7

MAESTRO RR MODULE

A
C
F
G

H
G
F
D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White/DkBlue	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

iDatalink maestro Rr

INSTALL GUIDE
CHRYSLER TOWN AND COUNTRY
2008-2011

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED	OPTIONAL ACCESSORIES	PROGRAMMED FIRMWARE
iDatalink Maestro RR Radio Replacement Interface iDatalink Maestro CH1 Installation Harness	ADS-HRN(AV)-CHR01	ADS-RR(SR)-CHR01-DS

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?

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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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
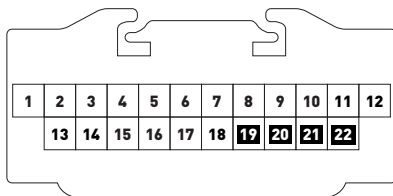- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

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- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

  This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

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2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

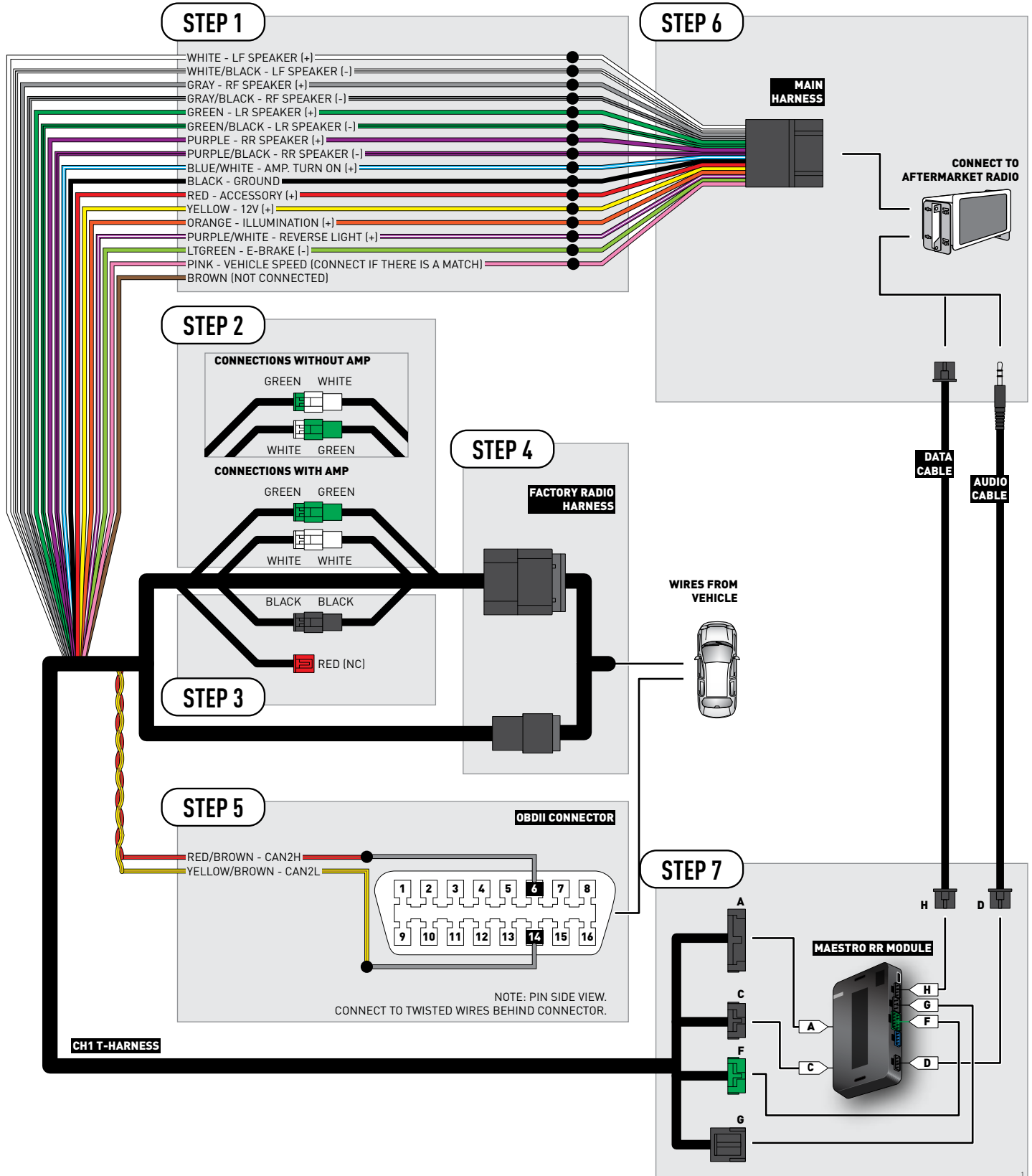**2014 Pioneer Radios:**

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Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

WIRING DIAGRAM

STEP 1

- WHITE - LF SPEAKER (+)
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- PURPLE/BLACK - RR SPEAKER (-)
- BLUE/WHITE - AMP. TURN ON (+)
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- BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN WHITE

WHITE GREEN

CONNECTIONS WITH AMP

GREEN GREEN

WHITE WHITE

BLACK BLACK

RED (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

STEP 5

OBDII CONNECTOR

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

STEP 7

DATA CABLE

AUDIO CABLE

MAESTRO RR MODULE

A

C

F

G

H
G
F

A

C

D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
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Reverse Light	(+)	Purple/White	Orange/White	Purple/White	Purple/White
E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

iDatalink maestro Rr

INSTALL GUIDE
CHRYSLER TOWN AND COUNTRY
2012-2016

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES

ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-DS

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

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DURING INSTALLATION

NEED HELP?

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INSTALLATION INSTRUCTIONS

STEP 1

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STEP 2

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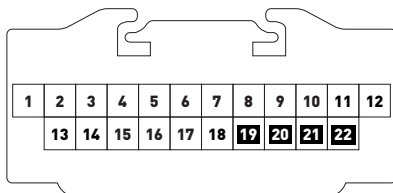- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

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STEP 5

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STEP 6

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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.

STEP 7

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MODULE SETUP:

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INSTALLATION INSTRUCTIONS

OPTION 2:

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• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

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The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

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2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

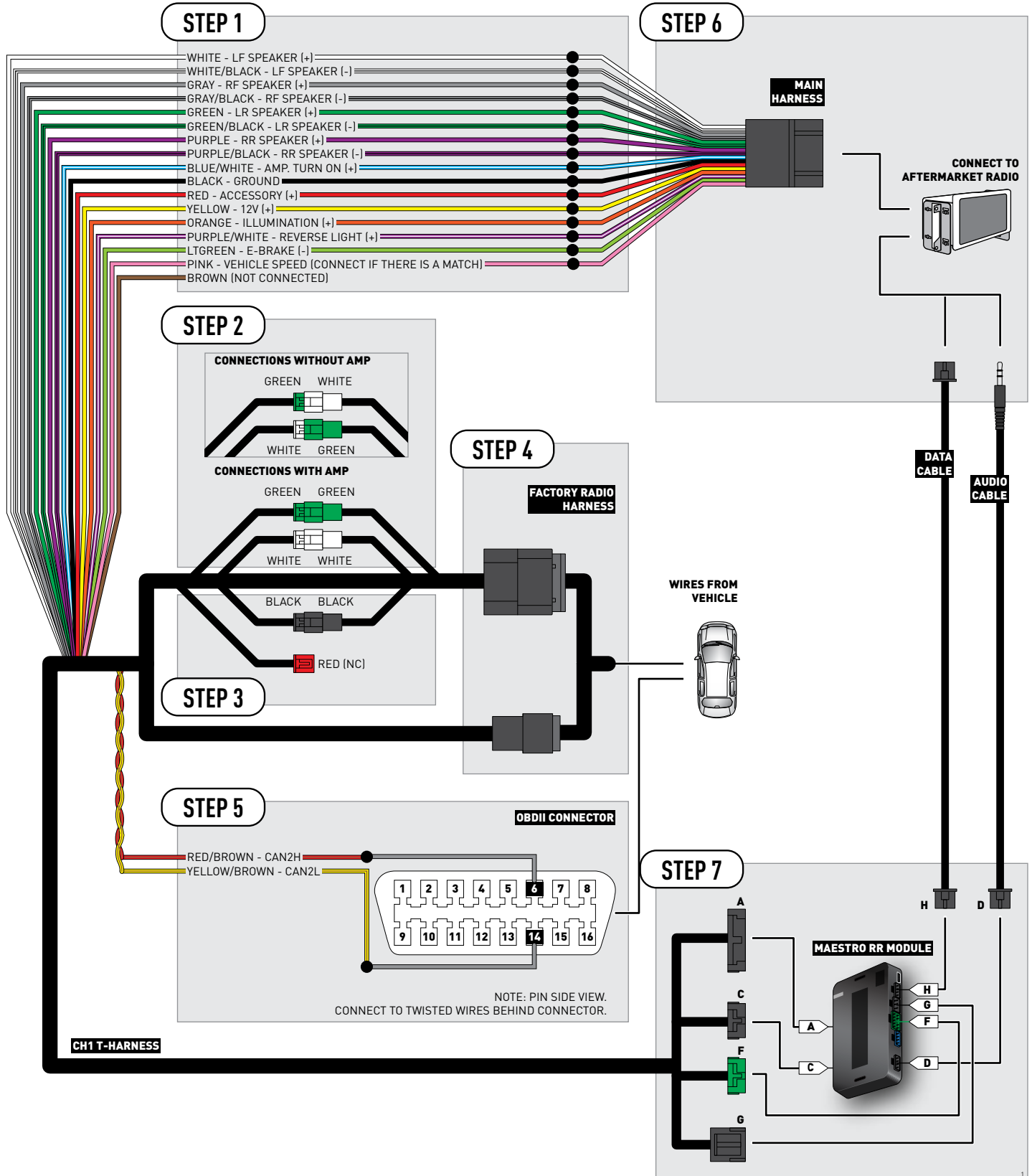### 2014 Pioneer Radios:

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WIRING DIAGRAM

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WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
GRAY - RF SPEAKER (+)
GRAY/BLACK - RF SPEAKER (-)
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GREEN/BLACK - LR SPEAKER (-)
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PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

STEP 4

FACTORY RADIO HARNESS

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

WIRES FROM VEHICLE

STEP 3

DATA CABLE

AUDIO CABLE

STEP 5

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

OBDII CONNECTOR

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 7

A

C

F

G

MAESTRO RR MODULE

H
G
F
D

H   D

CH1 T-HARNESS

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
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RADIO WIRE REFERENCE CHART

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

maestro Rr

INSTALL GUIDE
DODGE AVENGER
2008-2014

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES

ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-DS

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

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
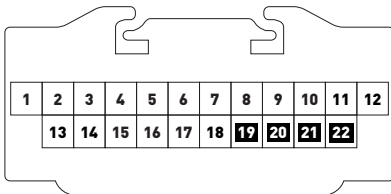- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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/"

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

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2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

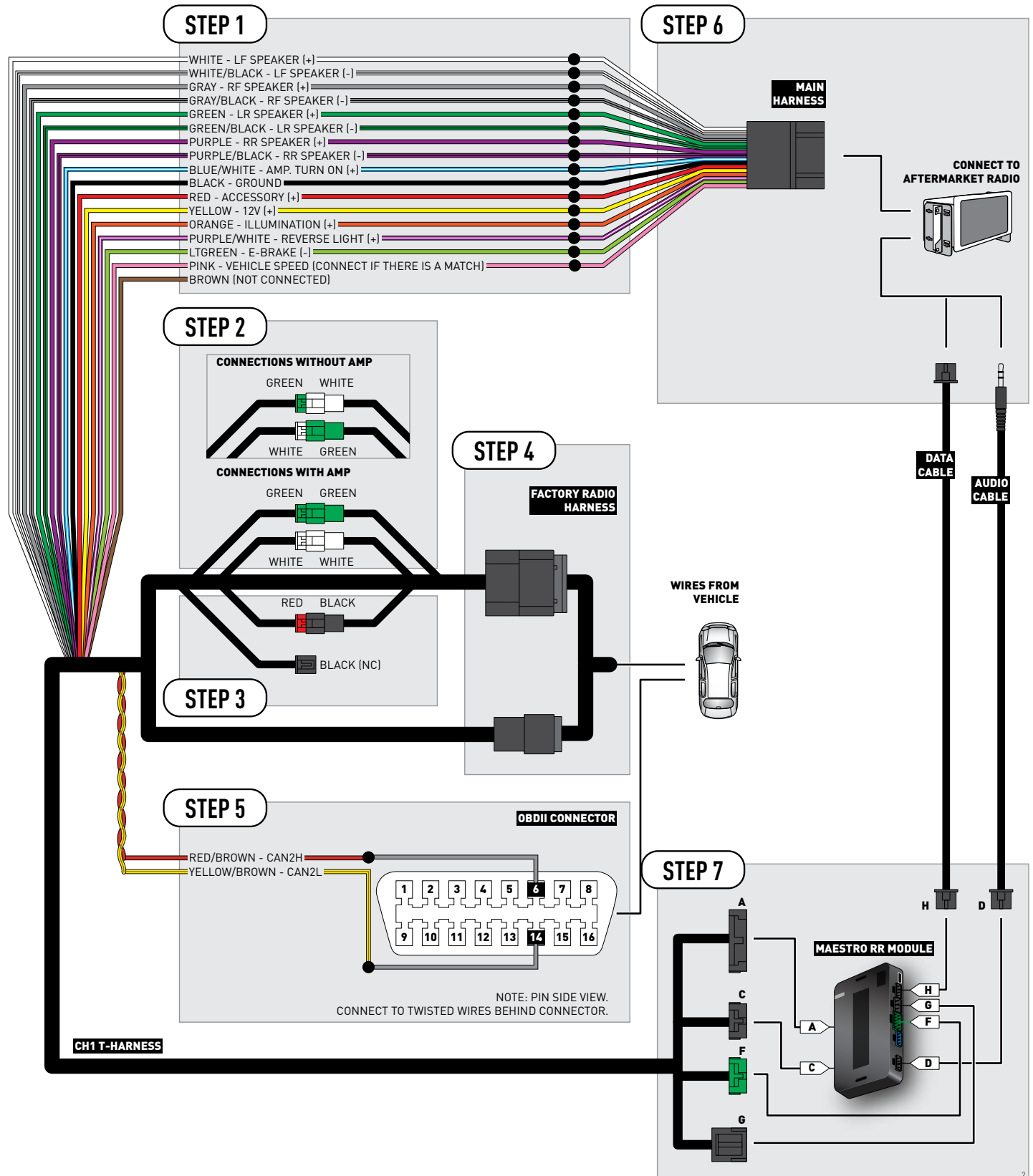**2014 Pioneer Radios:**

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN WHITE

WHITE GREEN

CONNECTIONS WITH AMP

GREEN GREEN

WHITE WHITE

RED BLACK

BLACK (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

DATA CABLE

AUDIO CABLE

STEP 5

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

OBDII CONNECTOR

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 7

MAESTRO RR MODULE

A
C
F
G

H
G
F
D

CH1 T-HARNESS

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White/DkBlue	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

INSTALL GUIDE
DODGE CALIBER
2009-2012

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

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INSTALLATION INSTRUCTIONS

STEP 1

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STEP 2

- Remove the factory radio.
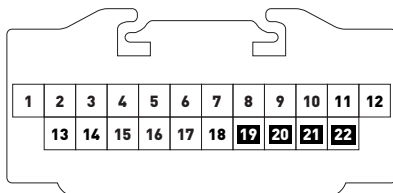- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

2

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

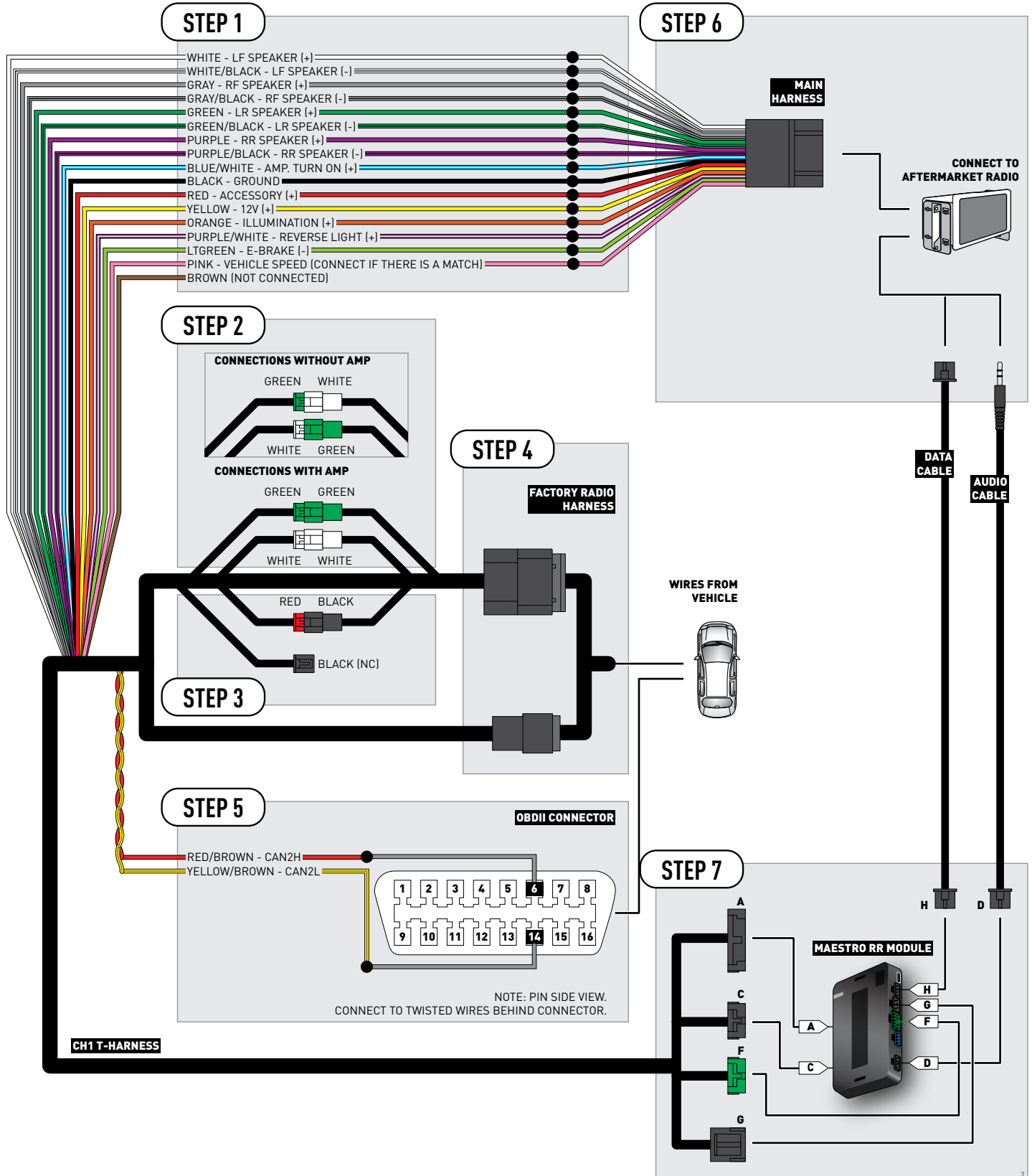**2014 Pioneer Radios:**

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WIRING DIAGRAM

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STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

RED   BLACK

BLACK (NC)

STEP 3

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

STEP 5

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

OBDII CONNECTOR

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STEP 7

A

C

F

G

MAESTRO RR MODULE

H
G
F

A

C

D

CH1 T-HARNESS

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/Tan	(DATA)	OBDII connector, under driver side dash
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RADIO WIRE REFERENCE CHART

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

maestro Rr

INSTALL GUIDE
DODGE CHALLENGER
2008-2014

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

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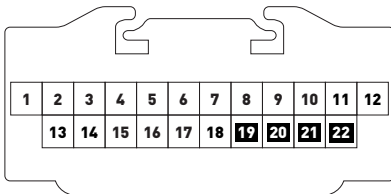- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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STEP 3

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STEP 4

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STEP 5

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INSTALLATION INSTRUCTIONS

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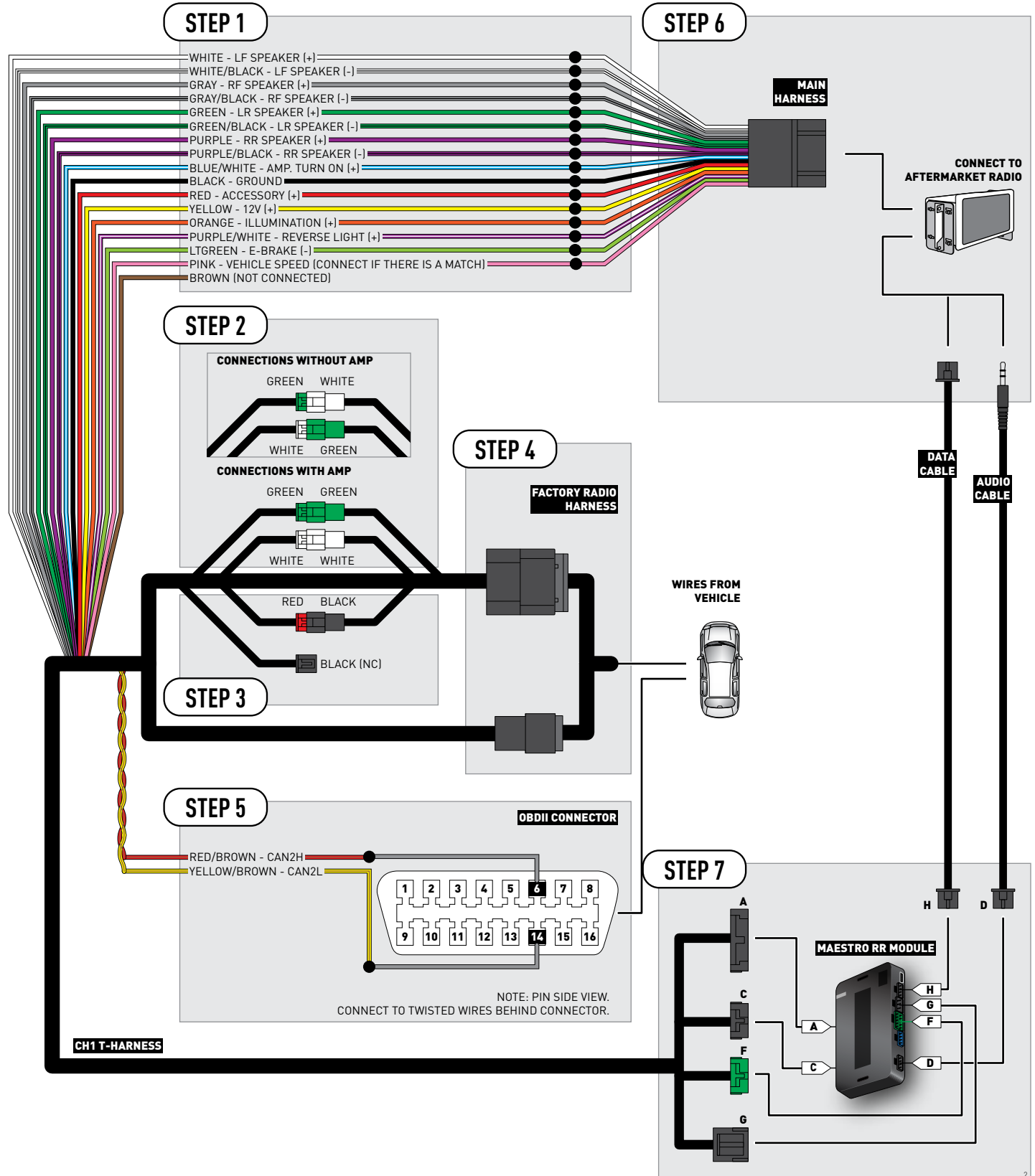**2014 Pioneer Radios:**

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STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN — WHITE

WHITE — GREEN

CONNECTIONS WITH AMP

GREEN — GREEN

WHITE — WHITE

RED — BLACK

BLACK (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

STEP 3

STEP 5

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MAESTRO RR MODULE

A
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CH1 T-HARNESS

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

INSTALL GUIDE
DODGE CHARGER
2008-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

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PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-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.

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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

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
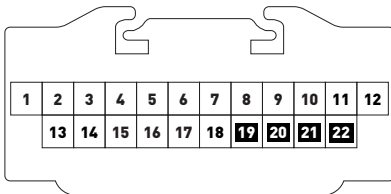- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

2

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

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2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

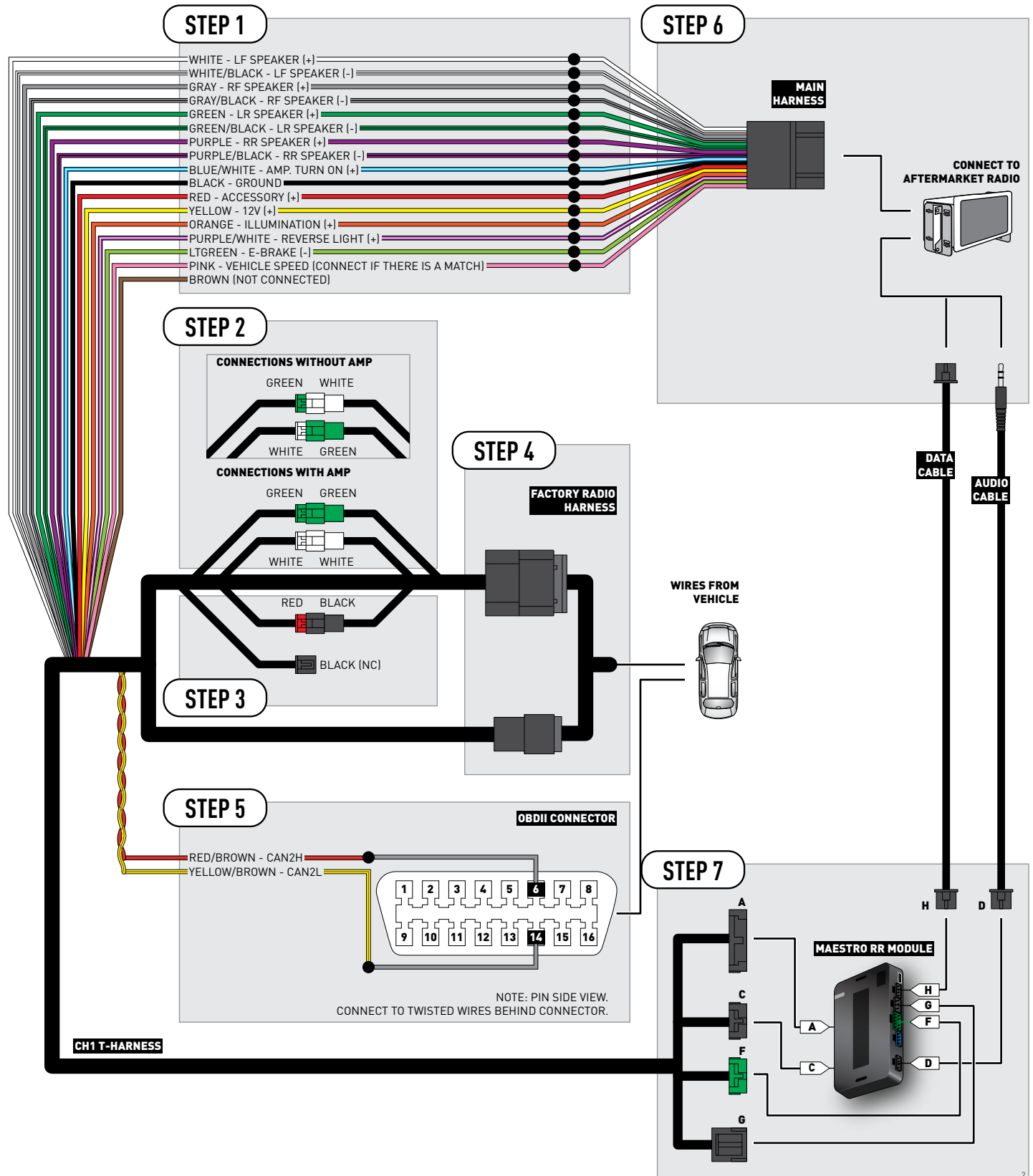**2014 Pioneer Radios:**

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Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

RED   BLACK

BLACK (NC)

STEP 3

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

STEP 5

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

OBDII CONNECTOR

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

STEP 7

MAESTRO RR MODULE

A
C
F
G

H
G
F
D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White/DkBlue	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

INSTALL GUIDE
DODGE DAKOTA
2008-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES

ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-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.

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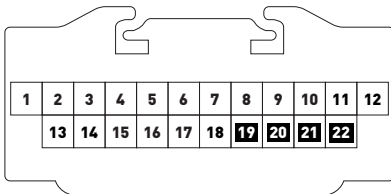- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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STEP 3

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STEP 4

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STEP 5

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STEP 6

- 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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MODULE SETUP:

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- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

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• Install the aftermarket microphone

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Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

TROUBLESHOOTING TIPS:

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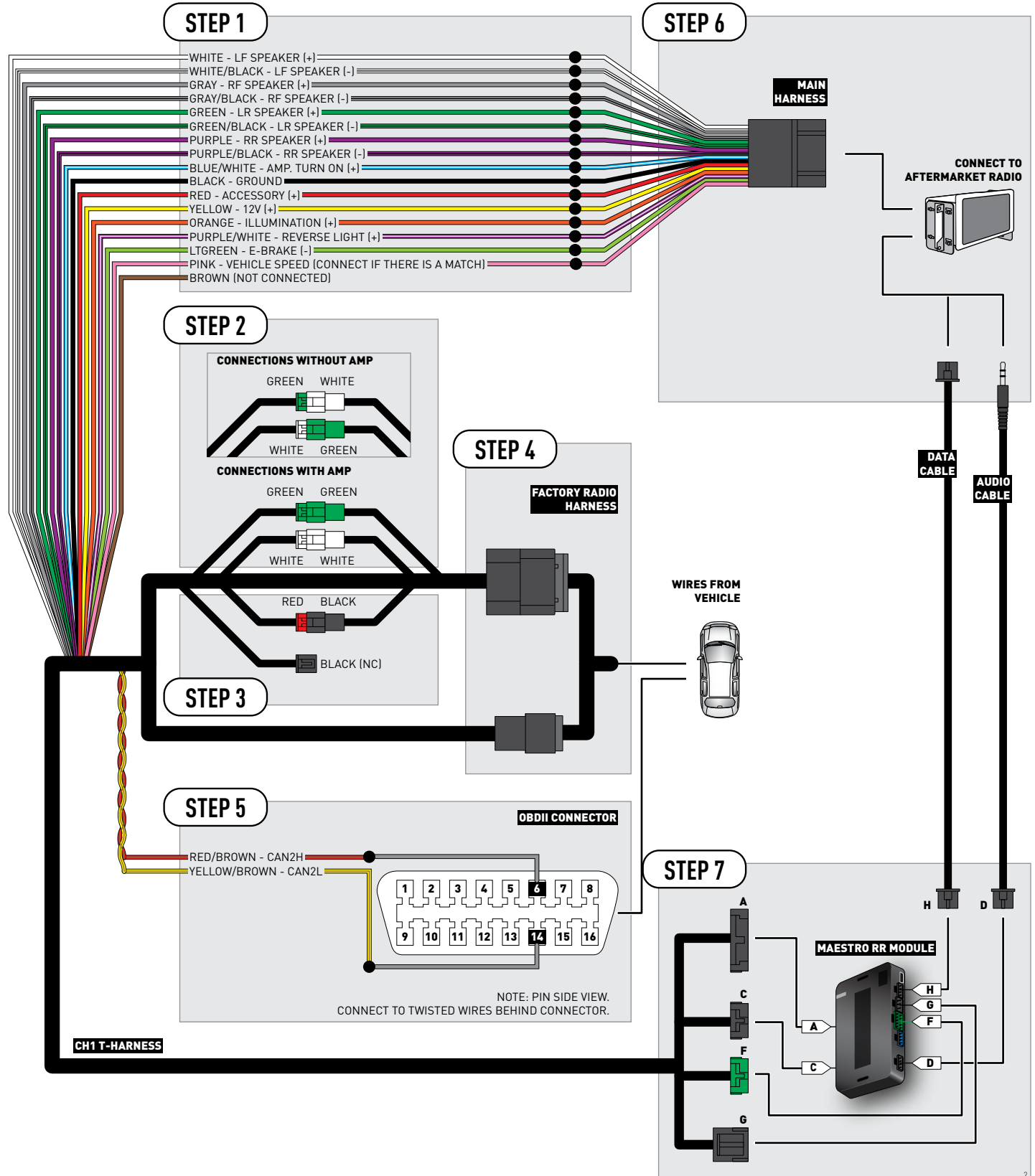**2014 Pioneer Radios:**

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BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

STEP 4

FACTORY RADIO HARNESS

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

RED   BLACK

BLACK (NC)

WIRES FROM VEHICLE

STEP 3

DATA CABLE

AUDIO CABLE

STEP 5

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

OBDII CONNECTOR

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 7

A

C

F

G

MAESTRO RR MODULE

H
G
F

A

C

D

CH1 T-HARNESS

H   D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	Pink/Red	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

INSTALL GUIDE
DODGE DAKOTA
2011

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

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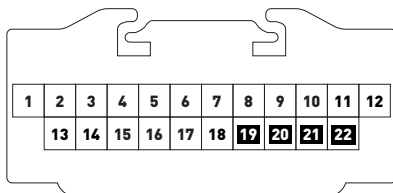- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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Fig. 2.1

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STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
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STEP 6

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INSTALLATION INSTRUCTIONS

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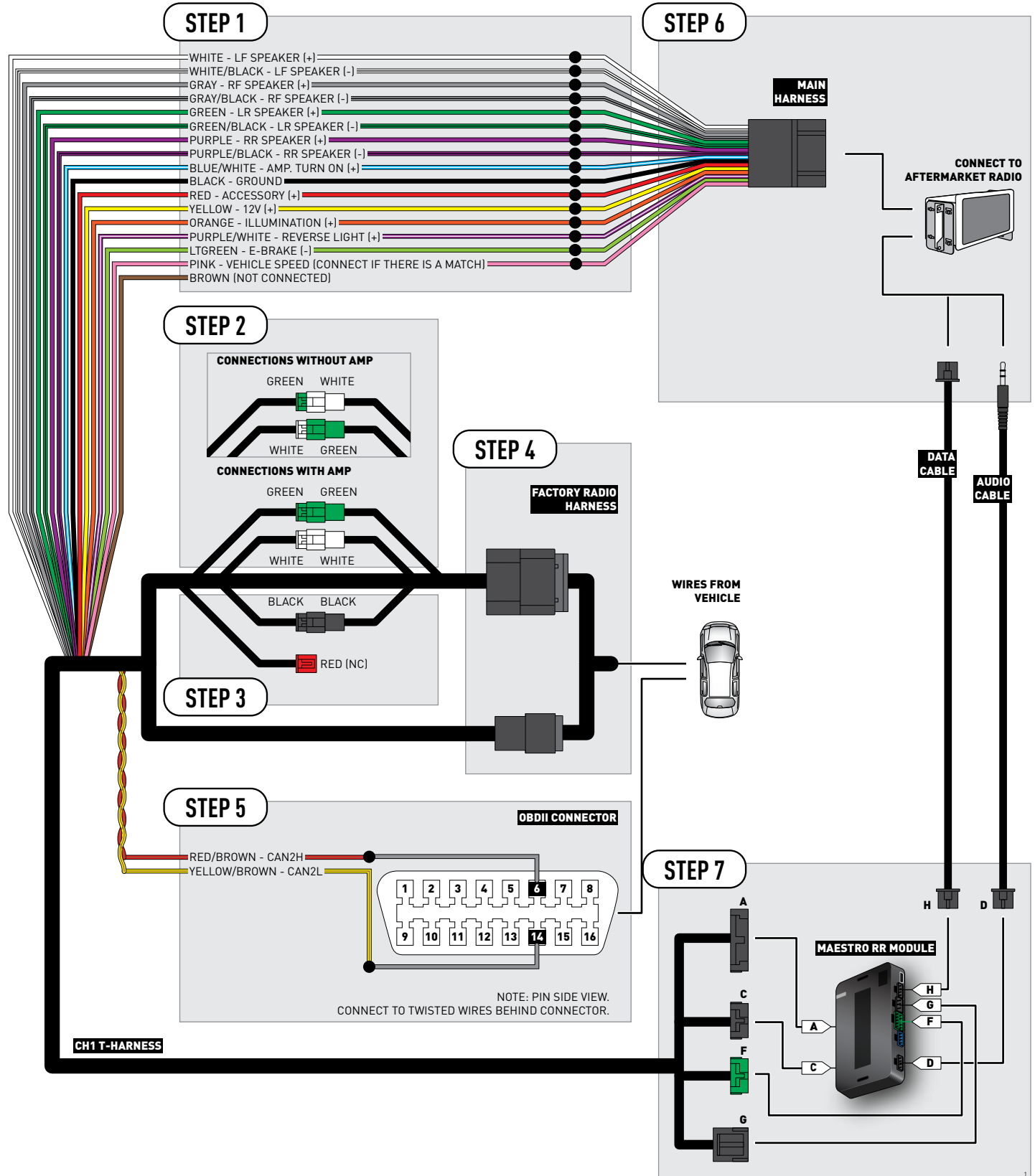**2014 Pioneer Radios:**

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STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE
WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN
WHITE   WHITE
BLACK   BLACK

RED (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

DATA CABLE

AUDIO CABLE

STEP 5

OBDII CONNECTOR

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

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STEP 7

MAESTRO RR MODULE

A
C
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CH1 T-HARNESS

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

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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**

✉ **support@idatalink.com**

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

DURING INSTALLATION

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
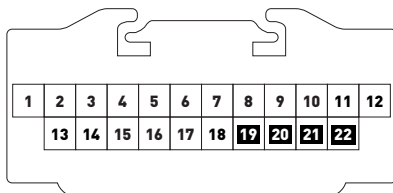- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

2

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

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2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

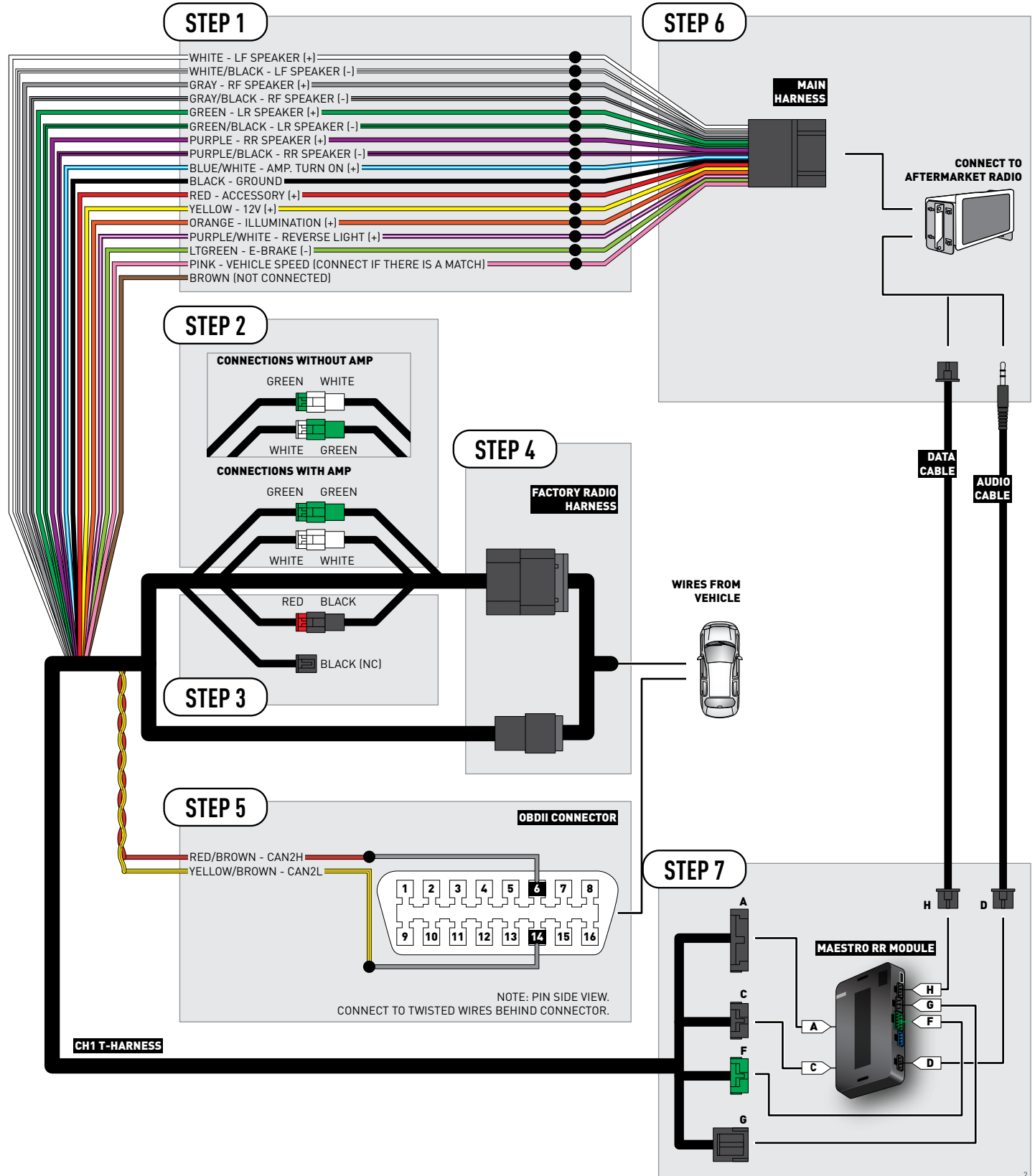**2014 Pioneer Radios:**

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

2

WIRING DIAGRAM

STEP 1

STEP 6

- 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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

RED   BLACK

BLACK (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

DATA CABLE

AUDIO CABLE

STEP 5

OBDII CONNECTOR

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 7

A

C

F

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MAESTRO RR MODULE

H
G
F

A

C

D

CH1 T-HARNESS

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/DkGreen	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White/DkBlue	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

maestro Rr

INSTALL GUIDE
DODGE DURANGO
2011-2013

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

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iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-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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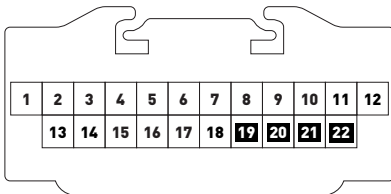- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
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- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

  This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

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The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

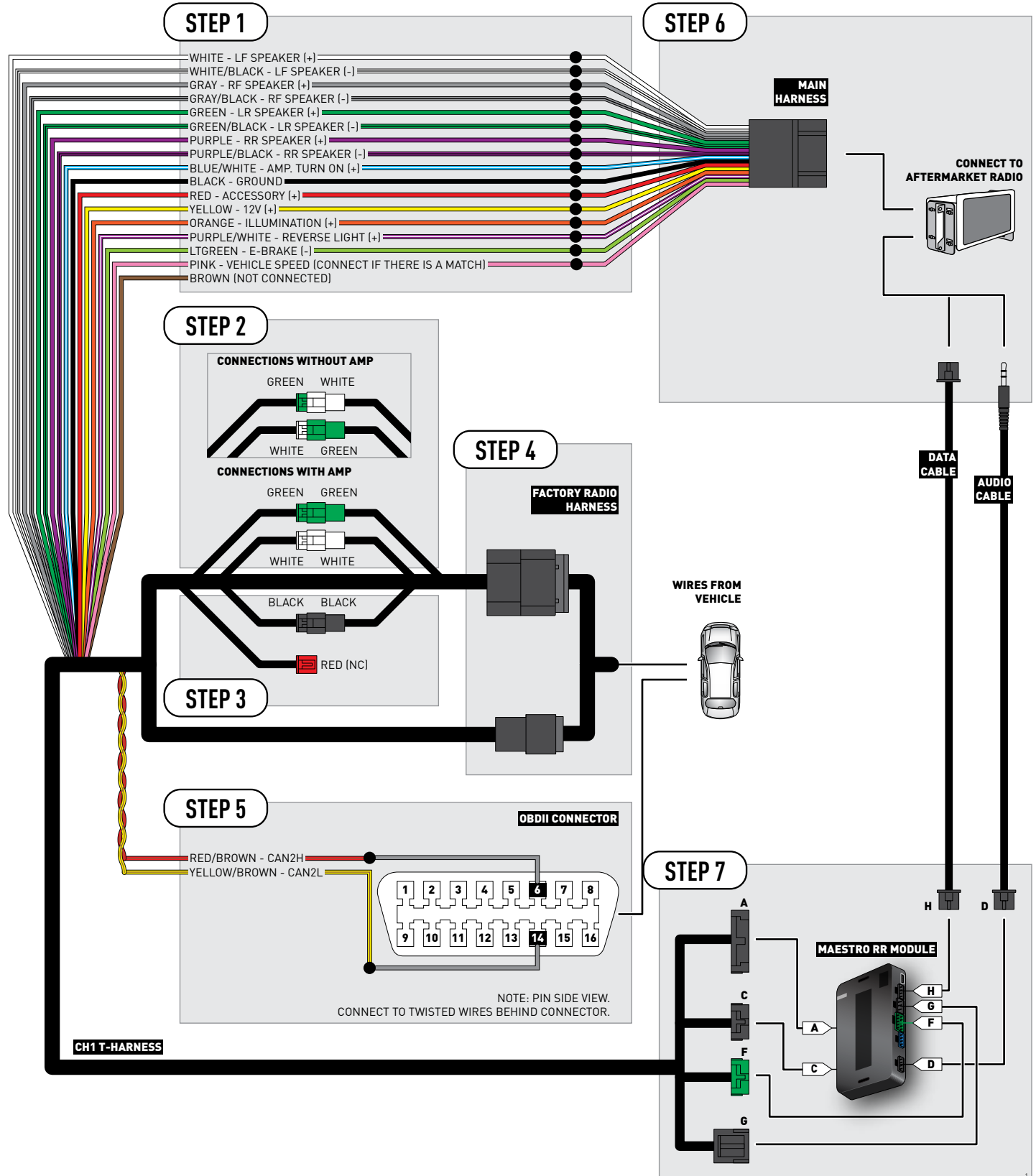**2014 Pioneer Radios:**

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Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

WIRING DIAGRAM

STEP 1

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STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

DATA CABLE

AUDIO CABLE

STEP 5

OBDII CONNECTOR

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

STEP 7

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

MAESTRO RR MODULE

A
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F
D

VEHICLE WIRE REFERENCE CHART

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

INSTALL GUIDE
DODGE GRAND CARAVAN
2008-2011

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

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DURING INSTALLATION

INSTALLATION INSTRUCTIONS

STEP 1

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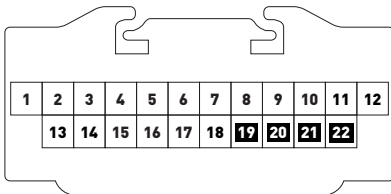- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

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STEP 5

- Access the OBDII connector located under the driver side dashboard.
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STEP 6

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INSTALLATION INSTRUCTIONS

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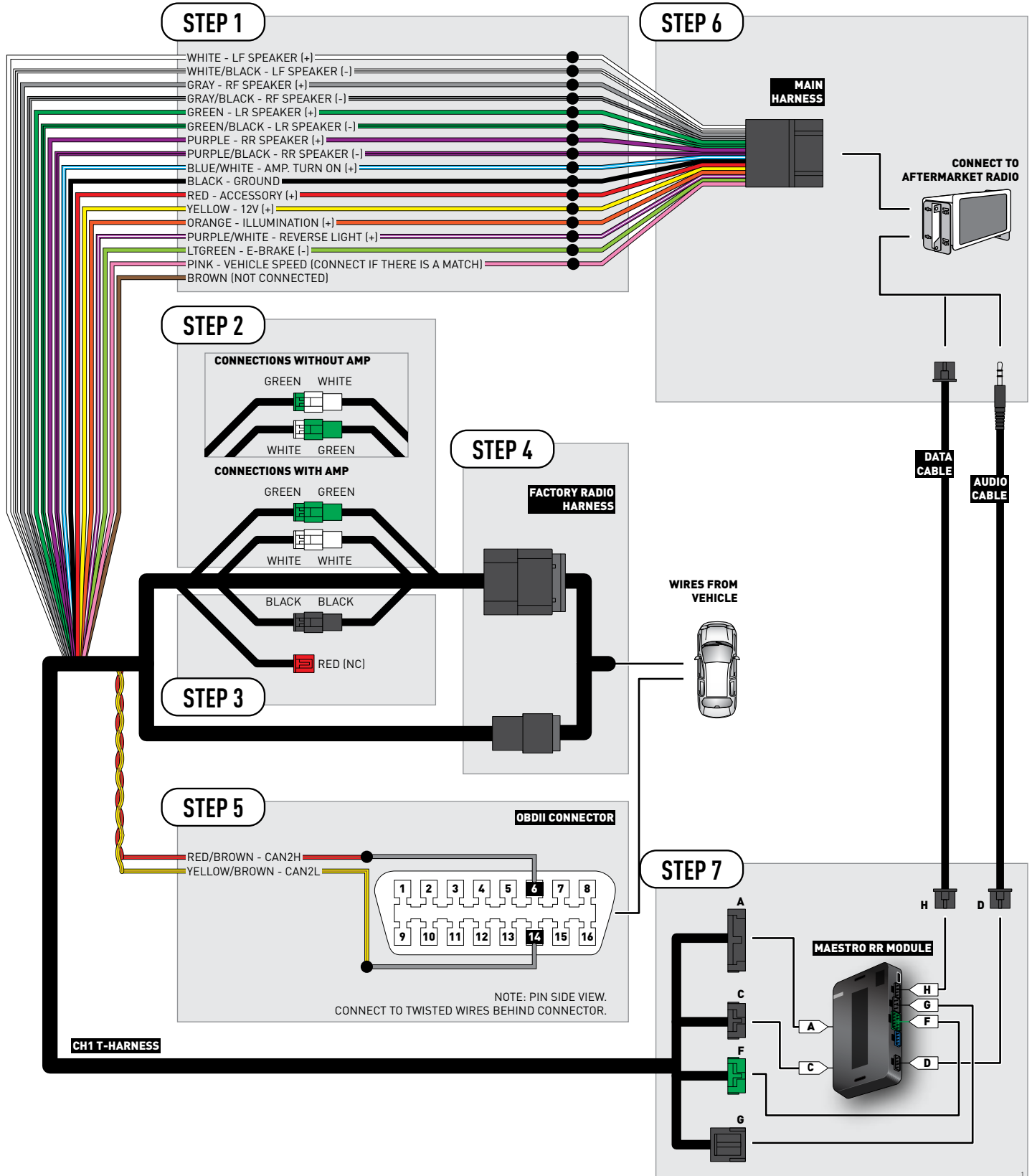**2014 Pioneer Radios:**

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maestro *Rr*

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STEP 2

CONNECTIONS WITHOUT AMP

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CONNECTIONS WITH AMP

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WHITE   WHITE

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RED (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

STEP 5

OBDII CONNECTOR

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CH1 T-HARNESS

STEP 7

A

C

F

G

MAESTRO RR MODULE

H
G
F

A

C

D

DATA CABLE

AUDIO CABLE

H   D

VEHICLE WIRE REFERENCE CHART

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

iDatalink maestro **Rr**

INSTALL GUIDE
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2012-2017

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NEED HELP?

📞 **1 866 427-2999**

✉ **support@idatalink.com**

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

DURING INSTALLATION

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
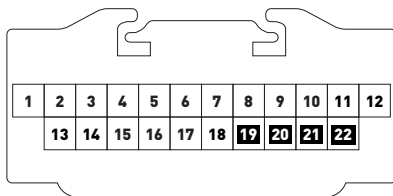- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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/"

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

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2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

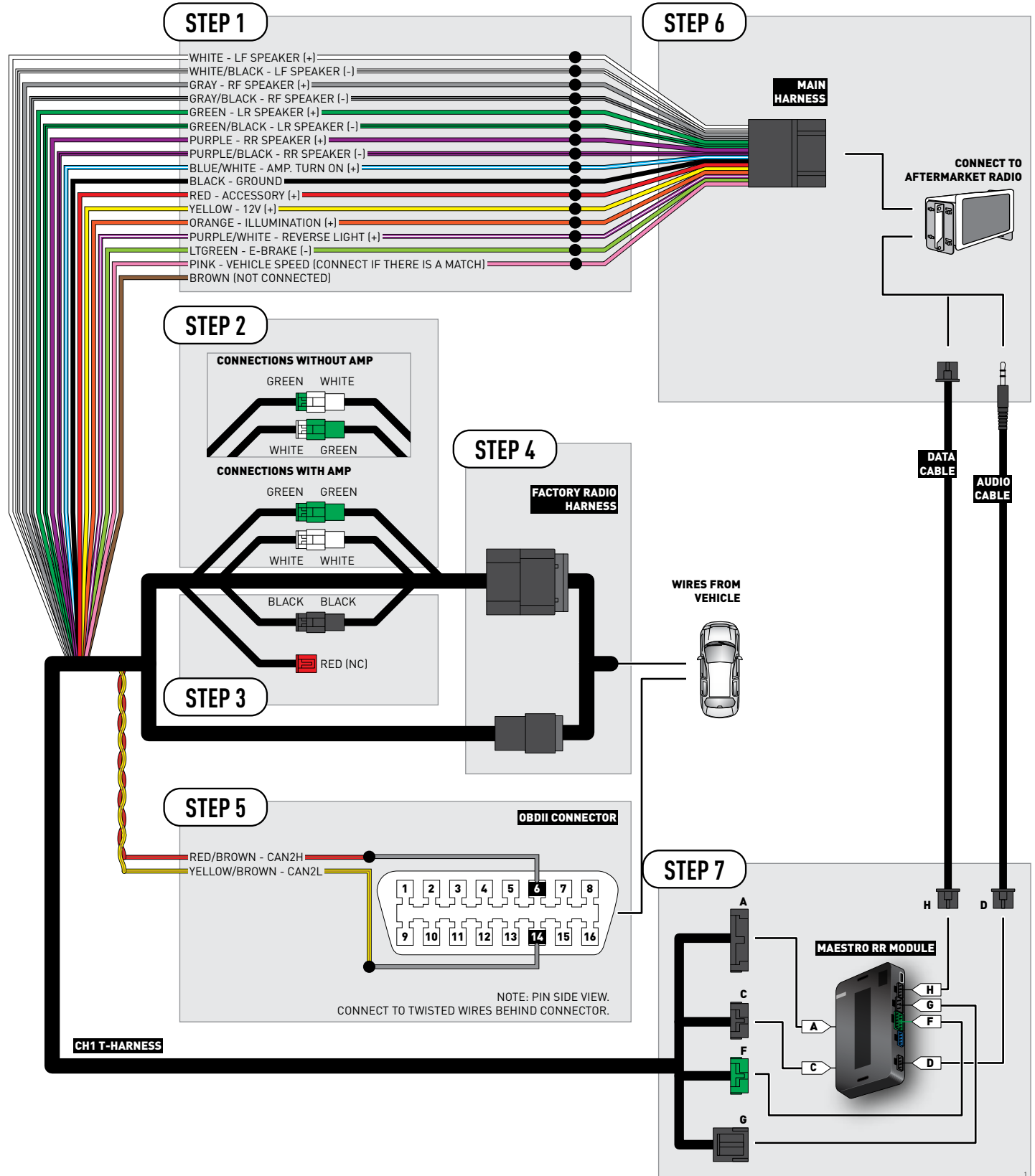**2014 Pioneer Radios:**

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

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 (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

STEP 4

FACTORY RADIO HARNESS

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

STEP 3

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

STEP 5

OBDII CONNECTOR

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 7

MAESTRO RR MODULE

A
C
F
G

H
G
F
D

CH1 T-HARNESS

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

iDataLink maestro Rr

INSTALL GUIDE
DODGE JOURNEY
2009-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED	**OPTIONAL ACCESSORIES**	**PROGRAMMED FIRMWARE**
iDatalink Maestro RR Radio Replacement Interface	ADS-HRN(AV)-CHR01	ADS-RR(SR)-CHR01-DS
iDatalink Maestro CH1 Installation Harness		

WELCOME

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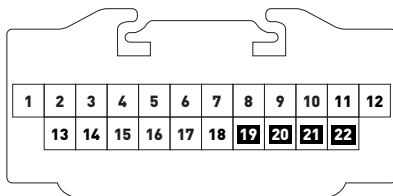- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

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STEP 6

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STEP 7

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MODULE SETUP:

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- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

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- Install the aftermarket microphone

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- 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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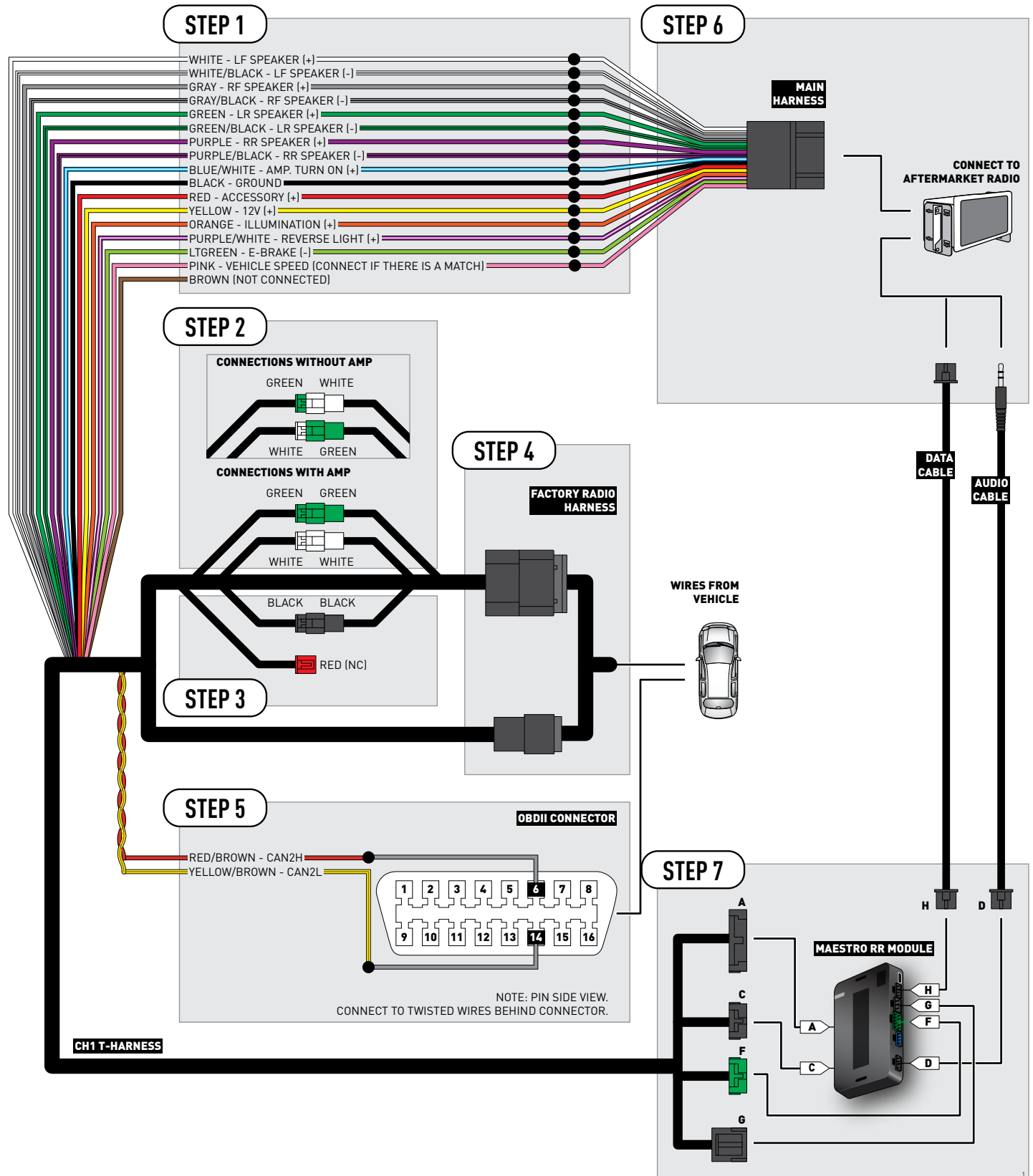**2014 Pioneer Radios:**

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WIRING DIAGRAM

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- GREEN/BLACK - LR SPEAKER (-)
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- PURPLE/BLACK - RR SPEAKER (-)
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- BLACK - GROUND
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- BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

STEP 3

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

STEP 5

OBDII CONNECTOR

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 7

MAESTRO RR MODULE

A

C

F

G

H
G
F
D

CH1 T-HARNESS

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/DkGreen	(DATA)	OBDII connector, under driver side dash
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RADIO WIRE REFERENCE CHART

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

maestro Rr

INSTALL GUIDE
DODGE NITRO
2007-2011

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES

ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-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.

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DURING INSTALLATION

INSTALLATION INSTRUCTIONS

STEP 1

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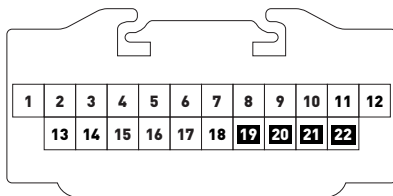- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
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STEP 6

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STEP 7

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INSTALLATION INSTRUCTIONS

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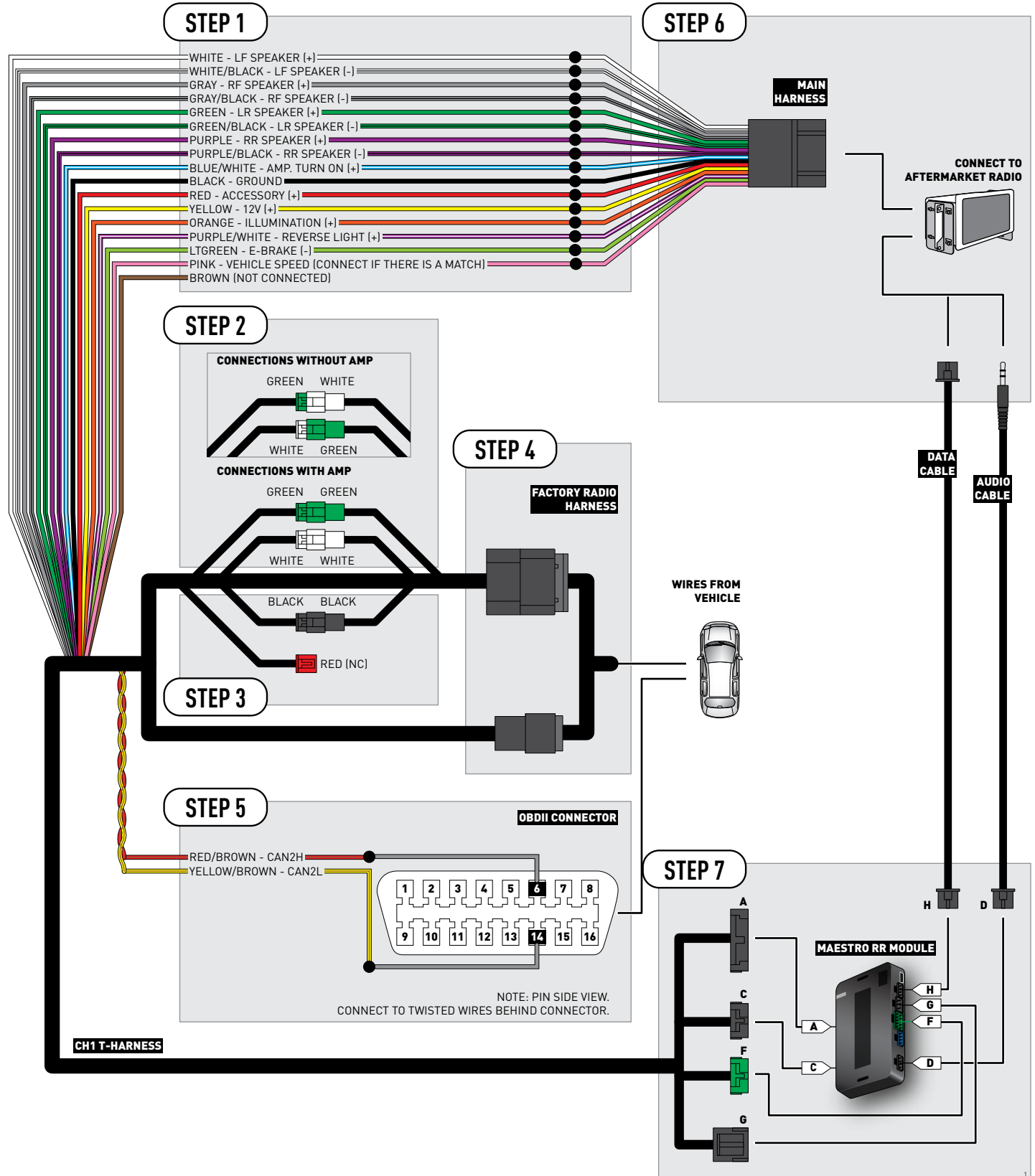**2014 Pioneer Radios:**

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STEP 2

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CONNECTIONS WITH AMP

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RED (NC)

STEP 4

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STEP 3

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STEP 5

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STEP 7

CH1 T-HARNESS

MAESTRO RR MODULE

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

INSTALL GUIDE
DODGE RAM CV
2010-2015

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

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NEED HELP?

📞 **1 866 427-2999**

✉ **support@idatalink.com**

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

DURING INSTALLATION

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
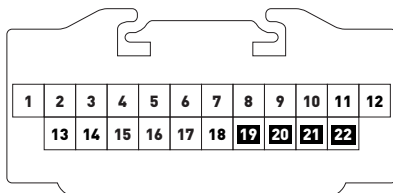- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

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2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

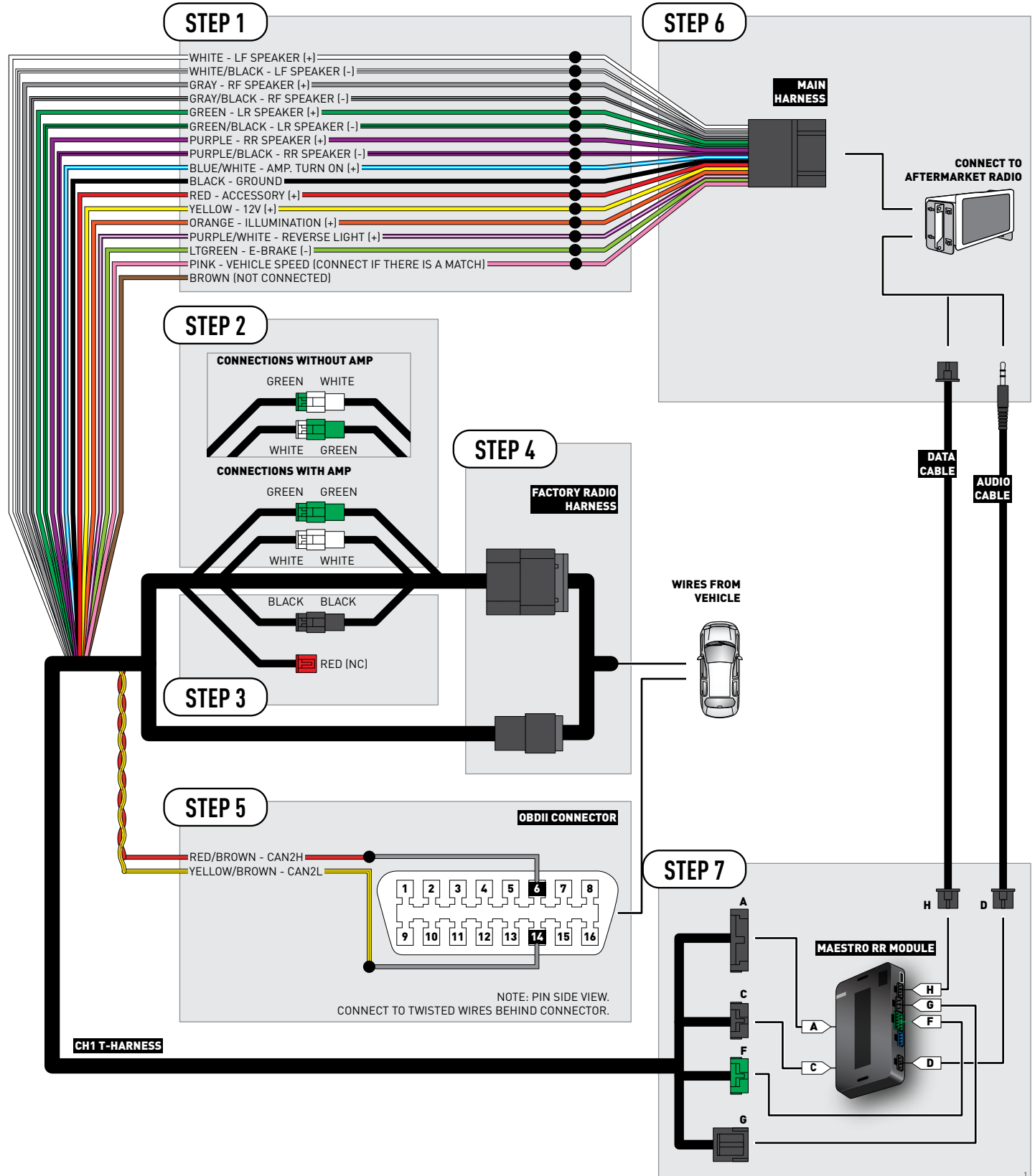**2014 Pioneer Radios:**

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

WIRING DIAGRAM

STEP 1

STEP 6

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 (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

STEP 4

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

STEP 3

STEP 5

OBDII CONNECTOR

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

STEP 7

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

A

C

F

G

MAESTRO RR MODULE

H
G
F

A

C

D

H   D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

maestro **Rr**

INSTALL GUIDE
JEEP COMMANDER
2008-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES

ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-DS

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STEP 2

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

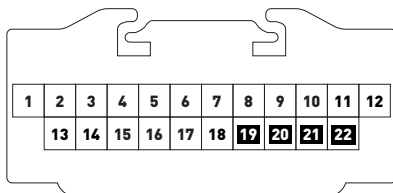| 1	2	3	4	5	6	7	8	9	10	11	12
	13	14	15	16	17	18	**19**	**20**	**21**	**22**	

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
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- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
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- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

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The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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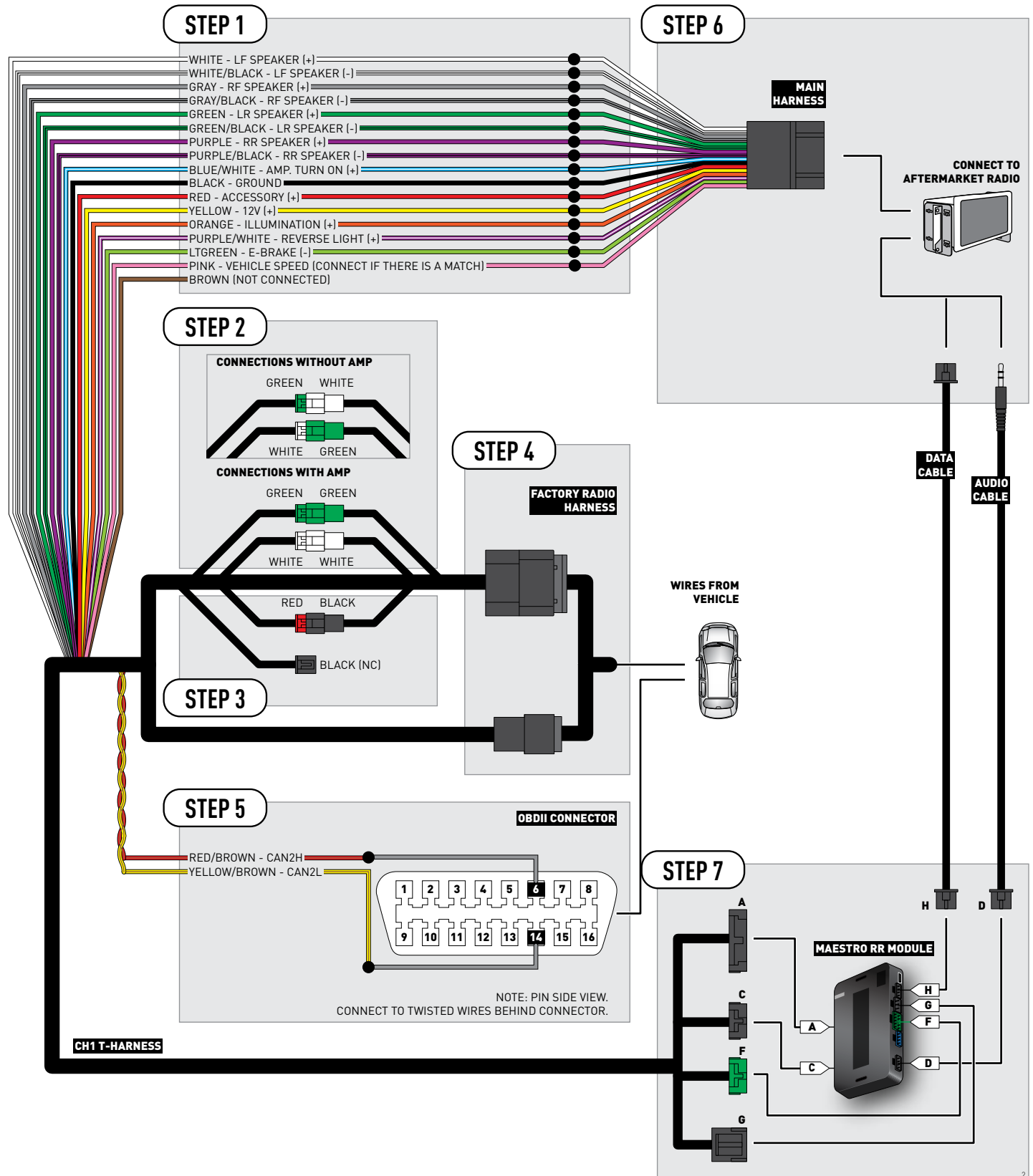
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Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

WIRING DIAGRAM

STEP 1

WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
GRAY - RF SPEAKER (+)
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LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

RED   BLACK

BLACK (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

DATA CABLE

AUDIO CABLE

STEP 5

OBDII CONNECTOR

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 7

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MAESTRO RR MODULE

H
G
F

D

H   D

CH1 T-HARNESS

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
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RADIO WIRE REFERENCE CHART

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

INSTALL GUIDE
JEEP COMPASS
2009-2016

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

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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DURING INSTALLATION

INSTALLATION INSTRUCTIONS

STEP 1

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STEP 2

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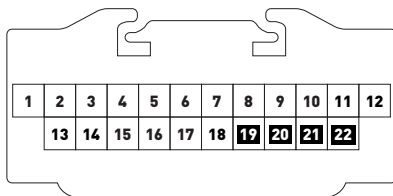- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
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STEP 6

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STEP 7

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INSTALLATION INSTRUCTIONS

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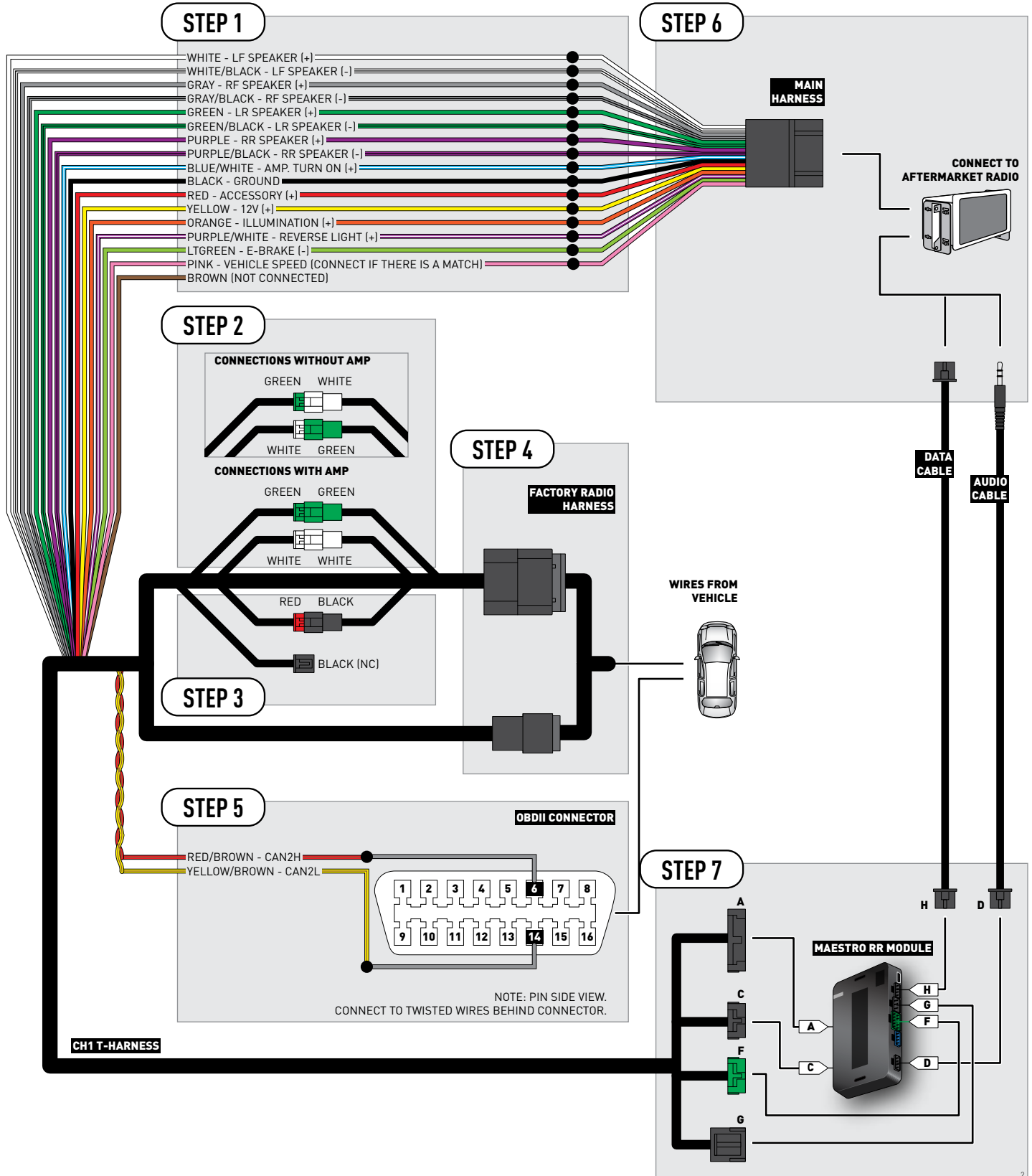**2014 Pioneer Radios:**

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STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

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WHITE   GREEN

STEP 4

CONNECTIONS WITH AMP

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WHITE   WHITE

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BLACK (NC)

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

STEP 5

OBDII CONNECTOR

RED/BROWN - CAN2H
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
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CH1 T-HARNESS

STEP 7

DATA CABLE

AUDIO CABLE

A

C

F

G

MAESTRO RR MODULE

H
G
F

A

C

D

VEHICLE WIRE REFERENCE CHART

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

![iDatalink maestro Rr]

INSTALL GUIDE
JEEP GRAND CHEROKEE
2008-2010

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

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- Connect the wires shown on the next page from aftermarket radio main harness to the CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
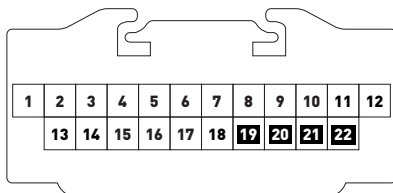- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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/"

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

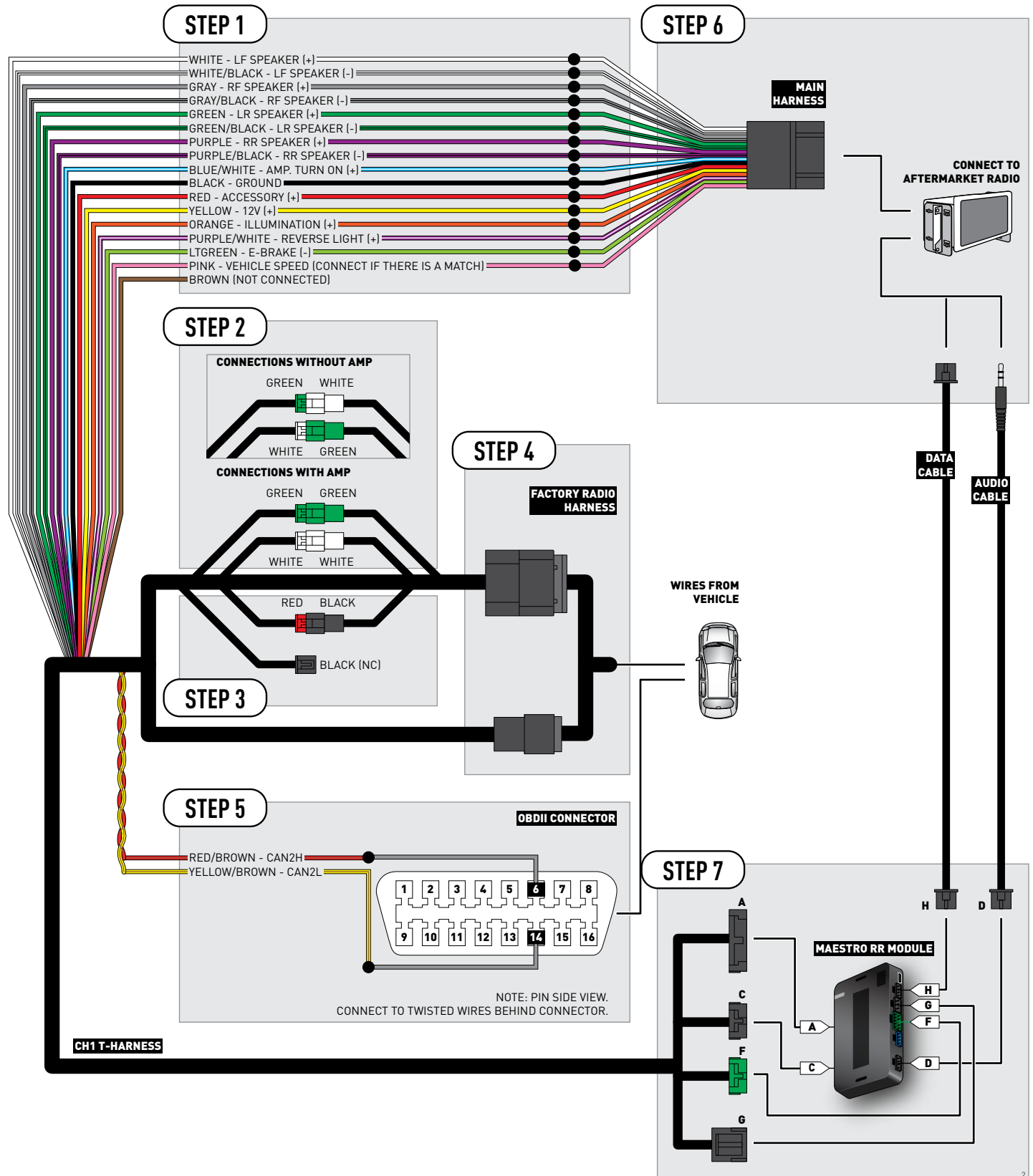**2014 Pioneer Radios:**

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

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 (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE
WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN
WHITE   WHITE
RED   BLACK
BLACK (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

STEP 5

OBDII CONNECTOR

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

STEP 7

MAESTRO RR MODULE

A
C
F
G

H
G
F
D

DATA CABLE
AUDIO CABLE

H   D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/DkGreen	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White/DkBlue	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

maestro RR

INSTALL GUIDE
JEEP GRAND CHEROKEE
2011-2013

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
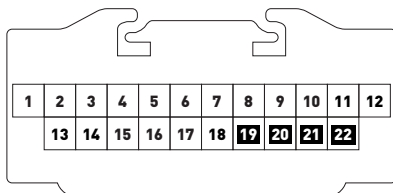- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

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If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

  This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

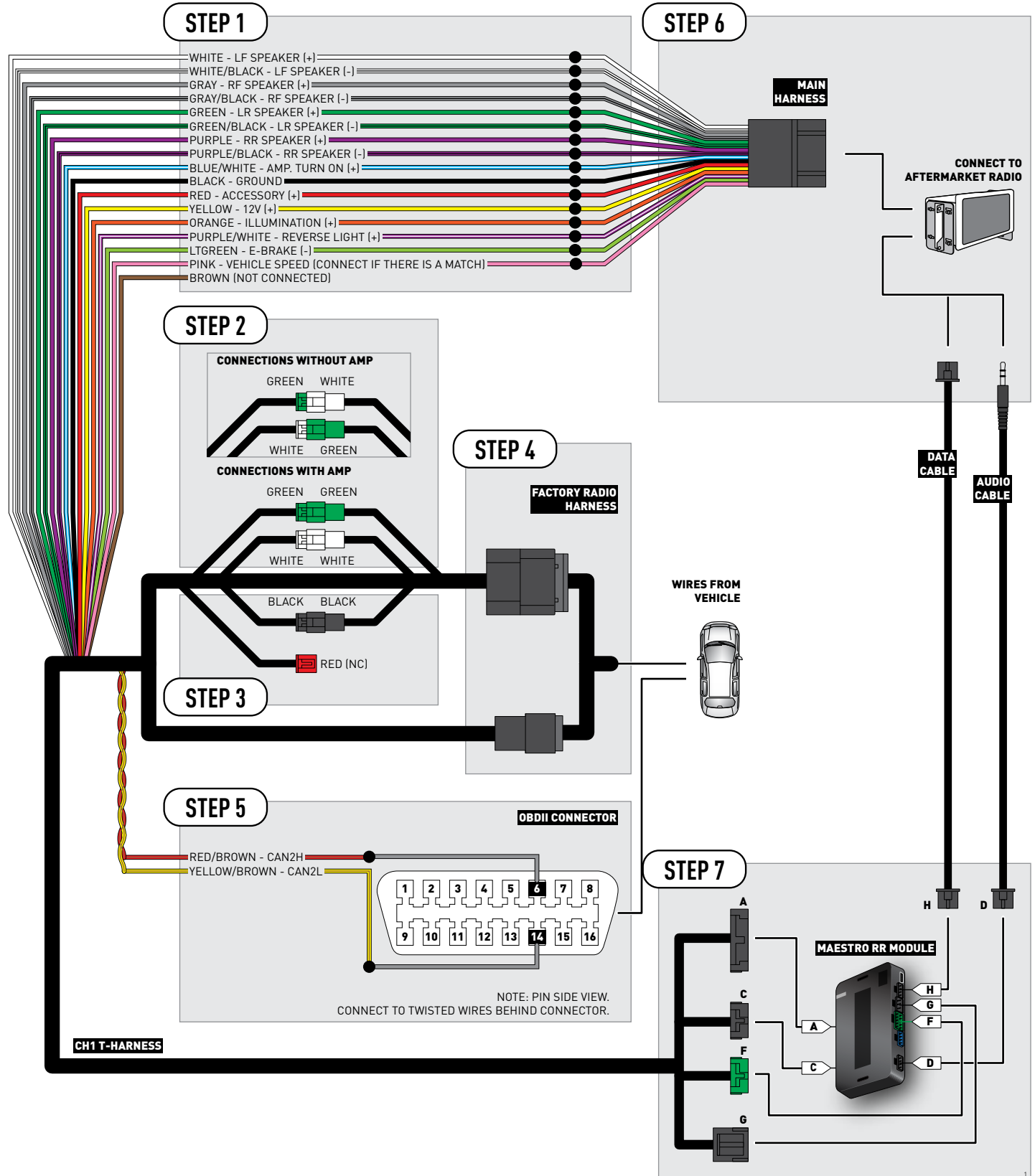### 2014 Pioneer Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

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 (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

STEP 4

FACTORY RADIO HARNESS

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

STEP 3

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

STEP 5

OBDII CONNECTOR

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 7

MAESTRO RR MODULE

A
C
F
G

H
G
F

A

C
D

H   D

CH1 T-HARNESS

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/DkGreen	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White/DkBlue	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

INSTALL GUIDE
JEEP LIBERTY
2008-2012

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES

ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-DS

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

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

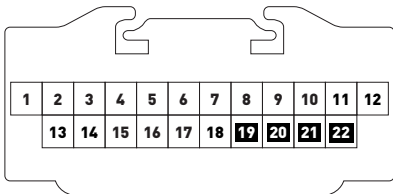| 1	2	3	4	5	6	7	8	9	10	11	12
	13	14	15	16	17	18	**19**	**20**	**21**	**22**	

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

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The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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• 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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OEM BLUETOOTH SETUP

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2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

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For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

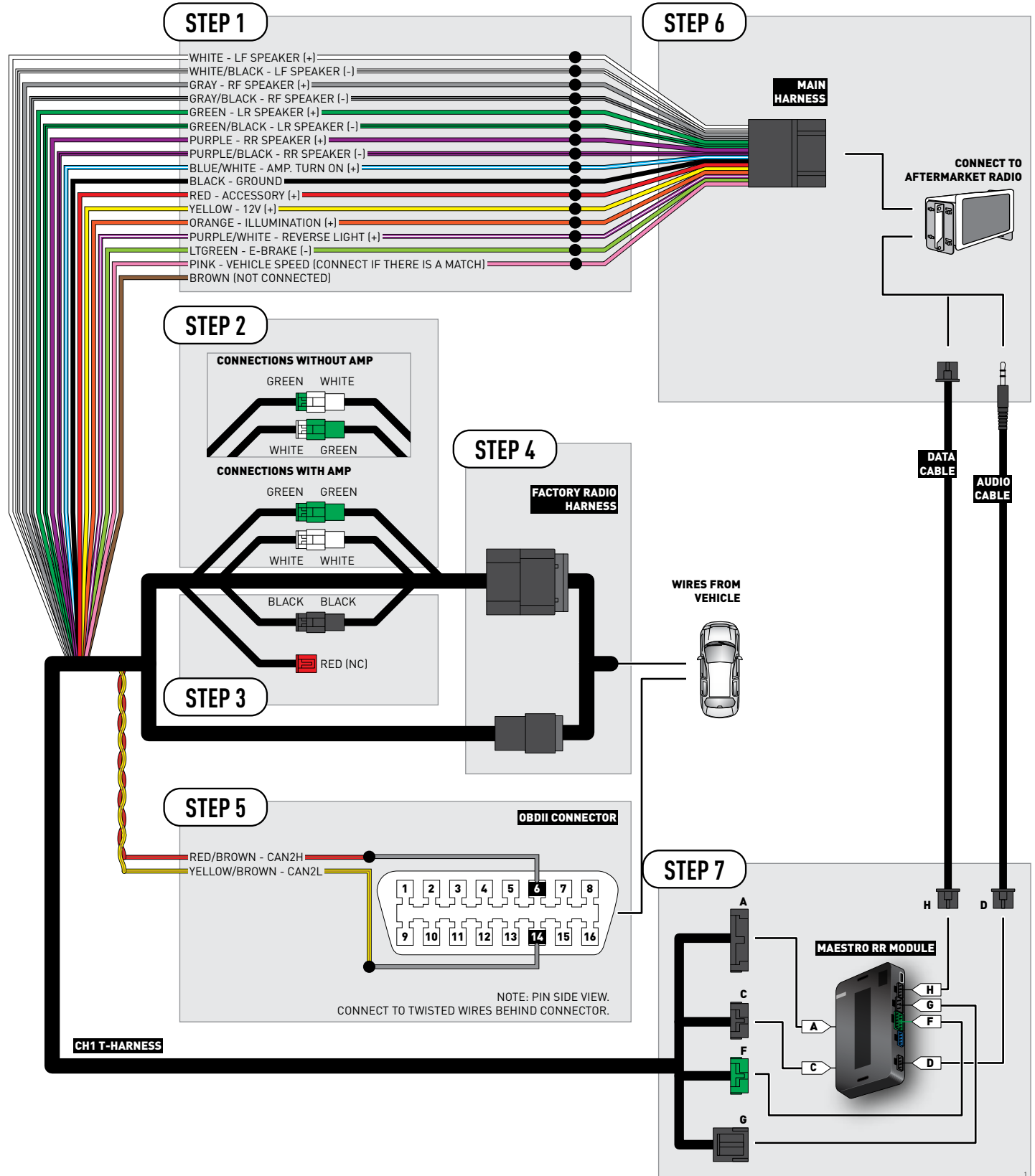**2014 Pioneer Radios:**

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Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

WIRING DIAGRAM

STEP 1

WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
GRAY - RF SPEAKER (+)
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GREEN - LR SPEAKER (+)
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PURPLE/BLACK - RR SPEAKER (-)
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PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

STEP 5

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

OBDII CONNECTOR

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

STEP 7

DATA CABLE

AUDIO CABLE

H   D

A

C

F

G

MAESTRO RR MODULE

H
G
F
D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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E-Brake	(-)	Lt Green	Yellow/Blue	Lt Green	Lt Green
Foot Brake	(+)	Yellow/Black	Yellow/Black	N/A	N/A
VSS (vehicle speed sensor)	(DATA)	Pink	Green/White	N/A	Pink

INSTALL GUIDE
JEEP PATRIOT
2009-2016

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES

ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-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.

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DURING INSTALLATION

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
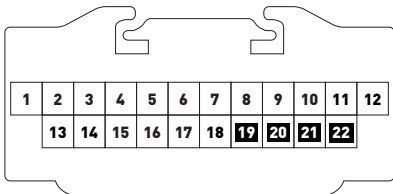- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

2

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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/"

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

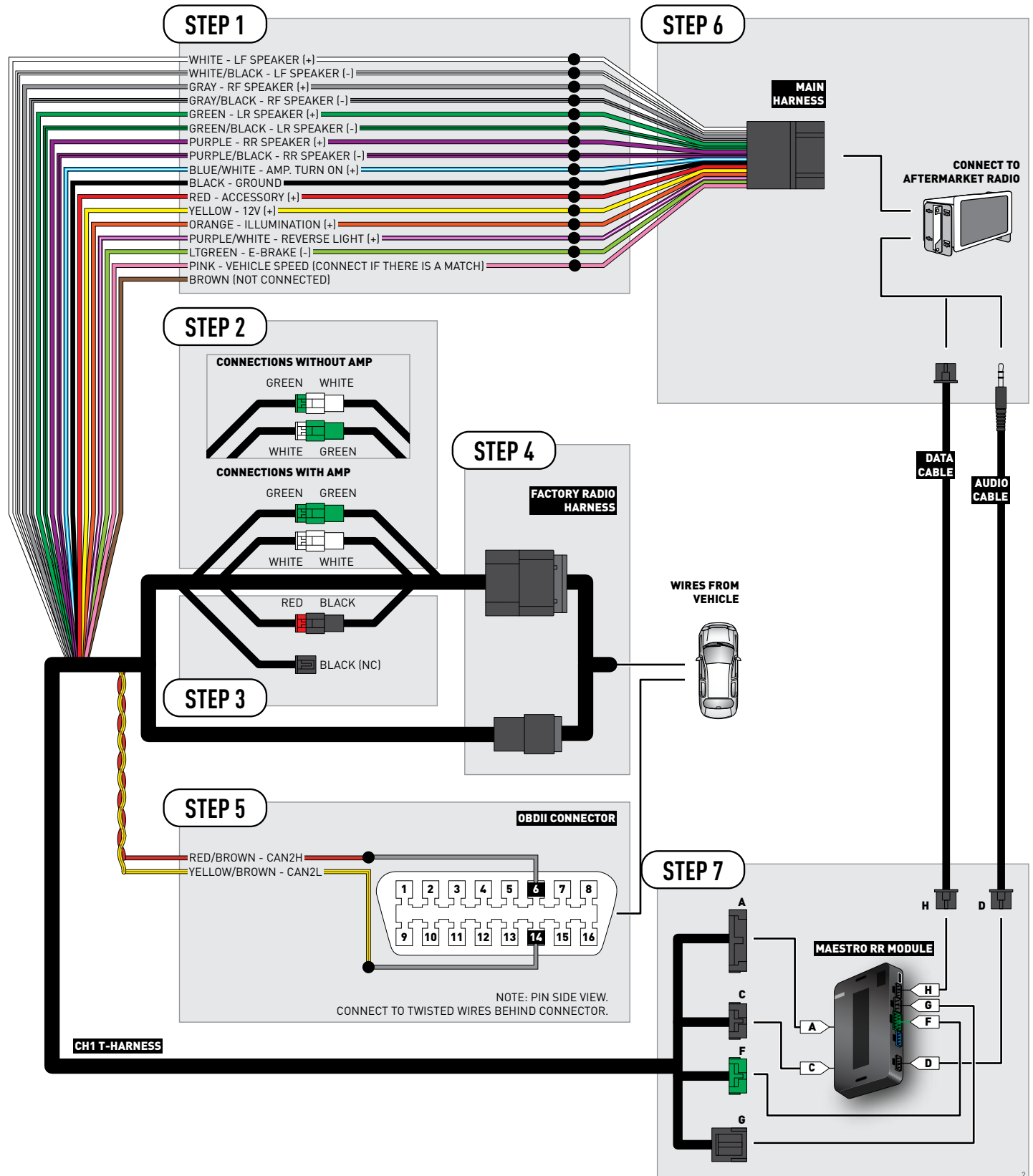**2014 Pioneer Radios:**

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

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 (+)
- YELLOW - 12V (+)
- ORANGE - ILLUMINATION (+)
- PURPLE/WHITE - REVERSE LIGHT (+)
- LTGREEN - E-BRAKE (-)
- PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
- BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN WHITE

WHITE GREEN

CONNECTIONS WITH AMP

GREEN GREEN

WHITE WHITE

RED BLACK

BLACK (NC)

STEP 3

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

STEP 5

OBDII CONNECTOR

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

STEP 7

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MAESTRO RR MODULE

H
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D

H D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/Tan	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White/DkBlue	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

![iDatalink maestro RR logo]

INSTALL GUIDE
JEEP WRANGLER AT
2007-2017

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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**

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DURING INSTALLATION

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
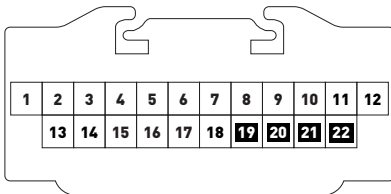- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

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2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

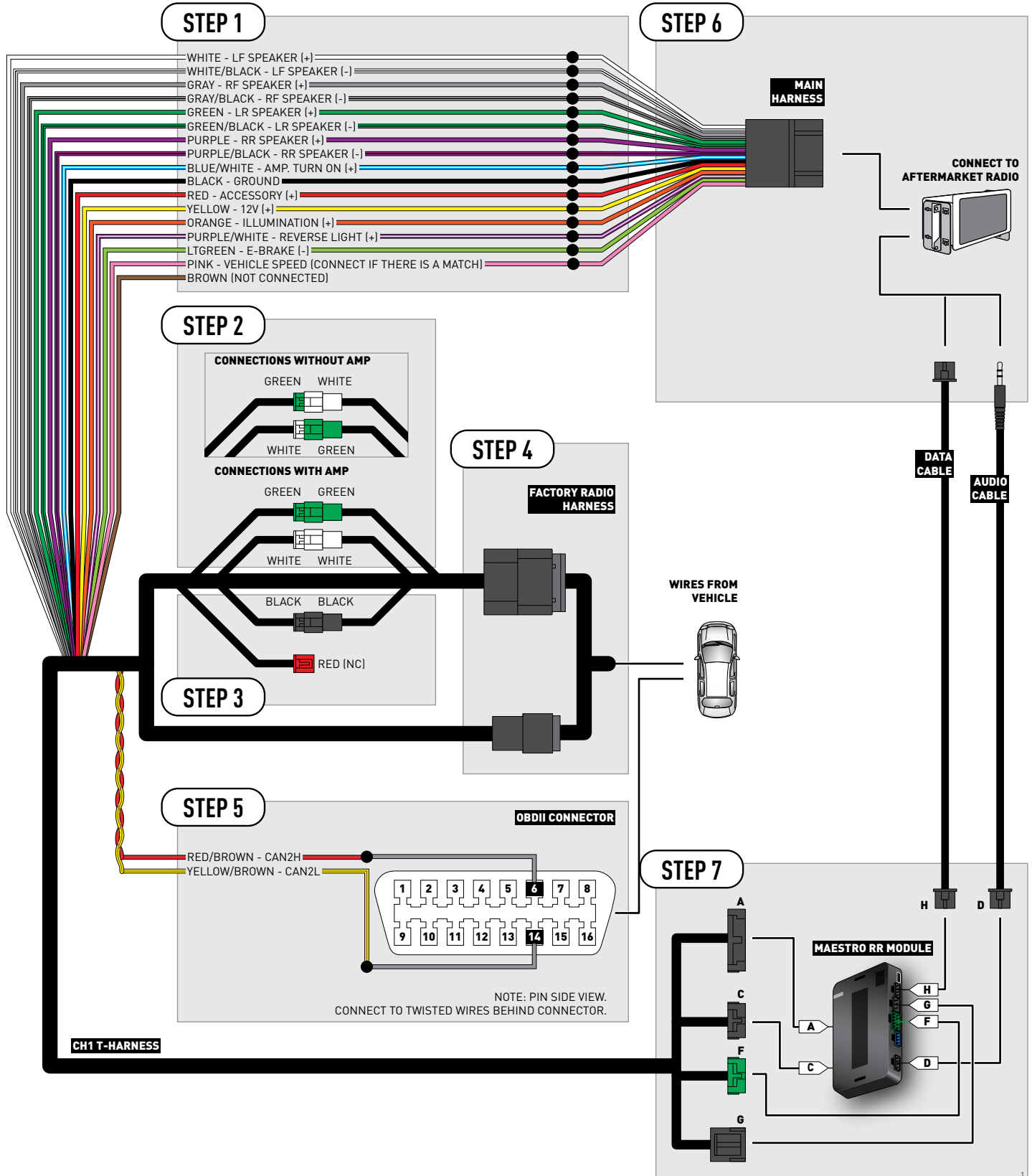**2014 Pioneer Radios:**

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Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

WIRING DIAGRAM

STEP 1

WHITE - LF SPEAKER (+)
WHITE/BLACK - LF SPEAKER (-)
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PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

STEP 3

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

STEP 5

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

OBDII CONNECTOR

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

STEP 7

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MAESTRO RR MODULE

H
G
F

A

C

D

H   D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
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RADIO WIRE REFERENCE CHART

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

maestro Rr

INSTALL GUIDE
JEEP WRANGLER MT
2007-2017

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES

ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-DS

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.

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NEED HELP?

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www.12voltdata.com/forum

DURING INSTALLATION

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
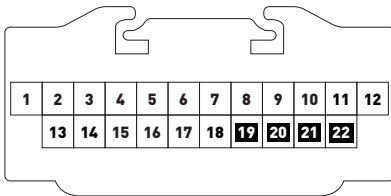- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

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If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- To connect reverse camera, connect PURPLE/WHITE Reverse Light (+) wire from aftermarket radio to White/Gray wire in harness in passenger kick panel.

STEP 8

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET

INSTALLATION INSTRUCTIONS

- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

OPTION 2:

   This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

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The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

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For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

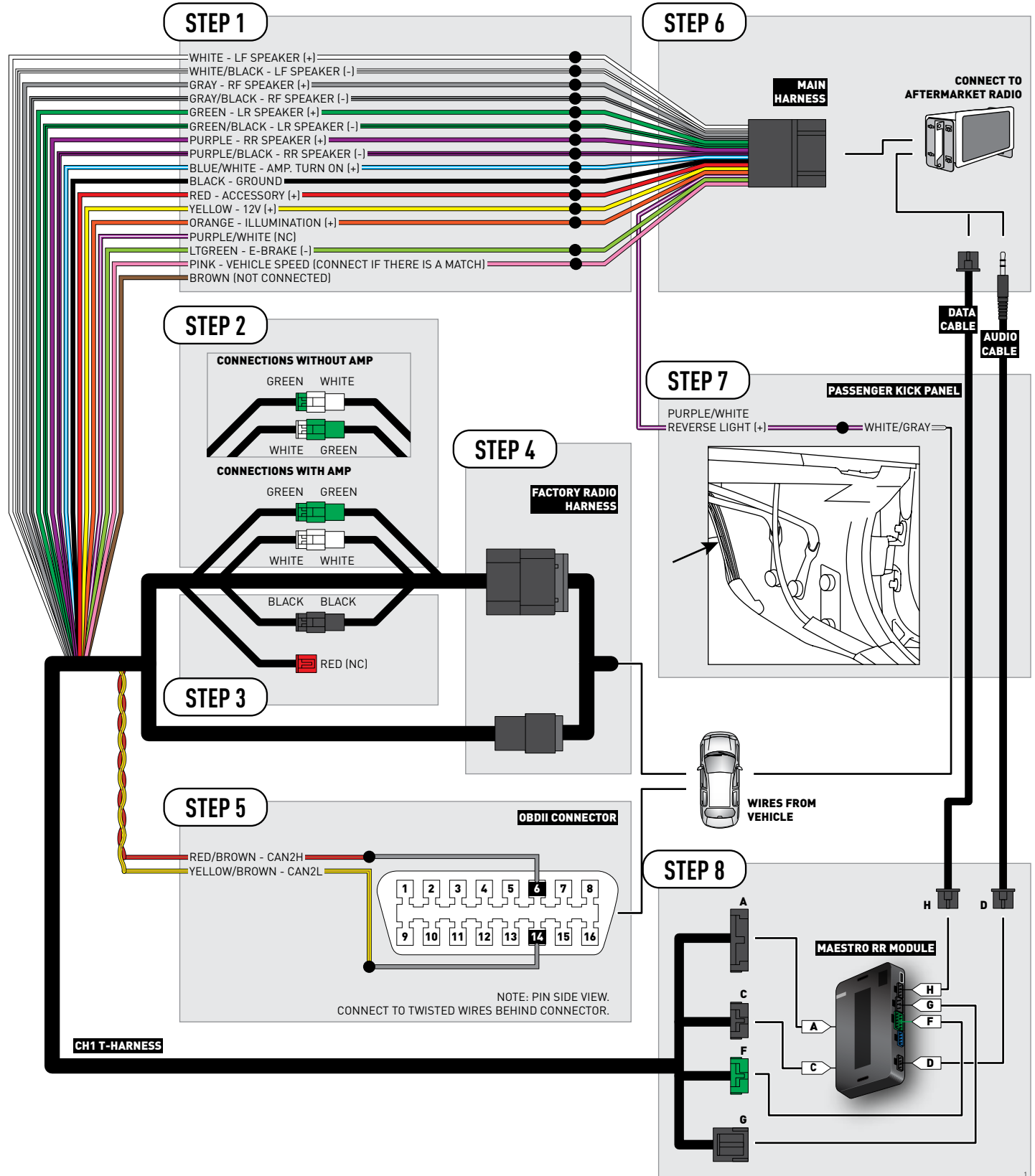**2014 Pioneer Radios:**

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Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

WIRING DIAGRAM

STEP 1

WHITE - LF SPEAKER (+)
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STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

DATA CABLE

AUDIO CABLE

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

STEP 3

STEP 4

FACTORY RADIO HARNESS

STEP 7

PURPLE/WHITE
REVERSE LIGHT (+)   WHITE/GRAY

PASSENGER KICK PANEL

STEP 5

OBDII CONNECTOR

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

1 2 3 4 5 6 7 8
9 10 11 12 13 14 15 16

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

WIRES FROM VEHICLE

STEP 8

MAESTRO RR MODULE

A

C

F

G

H
G
F

D

H   D

CH1 T-HARNESS

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
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CAN2L	OBDII	~	16 pin	14	White/DkBlue	(DATA)	OBDII connector, under driver side dash
Reverse light	~	~	~	~	White/Gray	(+)	Harness in passenger kick panel

RADIO WIRE REFERENCE CHART

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

![iDatalink maestro RR logo]

INSTALL GUIDE
MITSUBISHI RAIDER
2008-2009

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

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STEP 2

- Remove the factory radio.
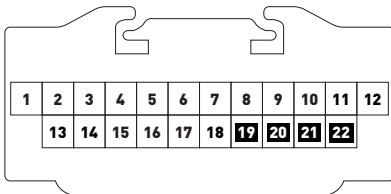- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female RED connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

- Scroll to the bottom of the setup screen and press FINISH
- Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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/"

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

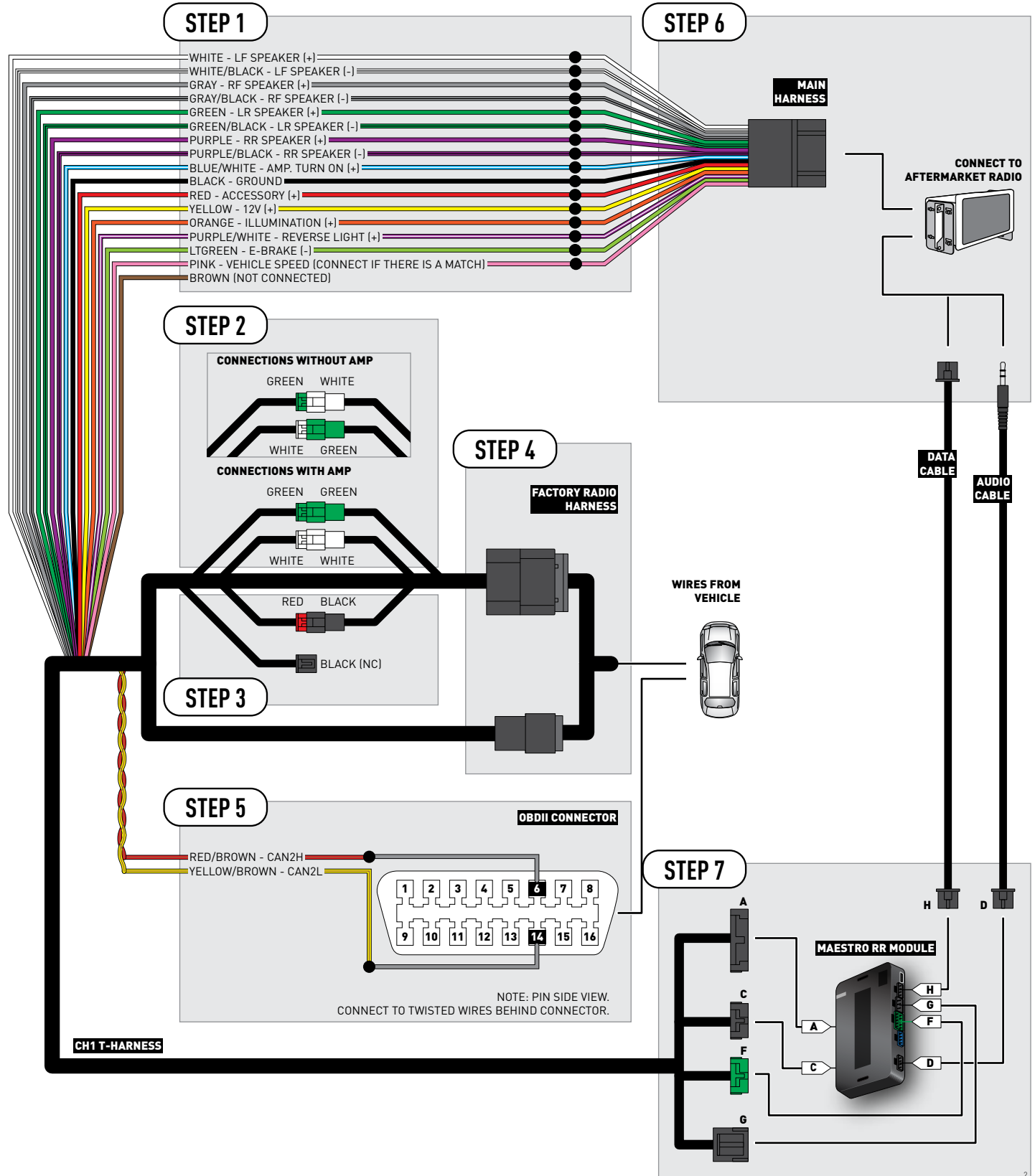**2014 Pioneer Radios:**

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

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 (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

RED   BLACK

BLACK (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

DATA CABLE

AUDIO CABLE

STEP 5

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

OBDII CONNECTOR

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

CH1 T-HARNESS

STEP 7

A

C

F

G

MAESTRO RR MODULE

H
G
F
D

H   D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	Pink/Red	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

![iDatalink maestro RR logo]

INSTALL GUIDE
RAM PICKUP
2009-2012

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES

ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE

ADS-RR(SR)-CHR01-DS

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.

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✉ **support@idatalink.com**

💬 **maestro.idatalink.com/support**
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DURING INSTALLATION

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
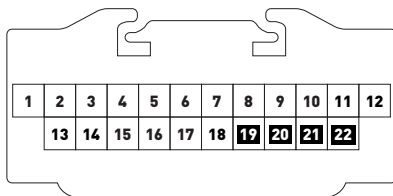- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

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- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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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OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

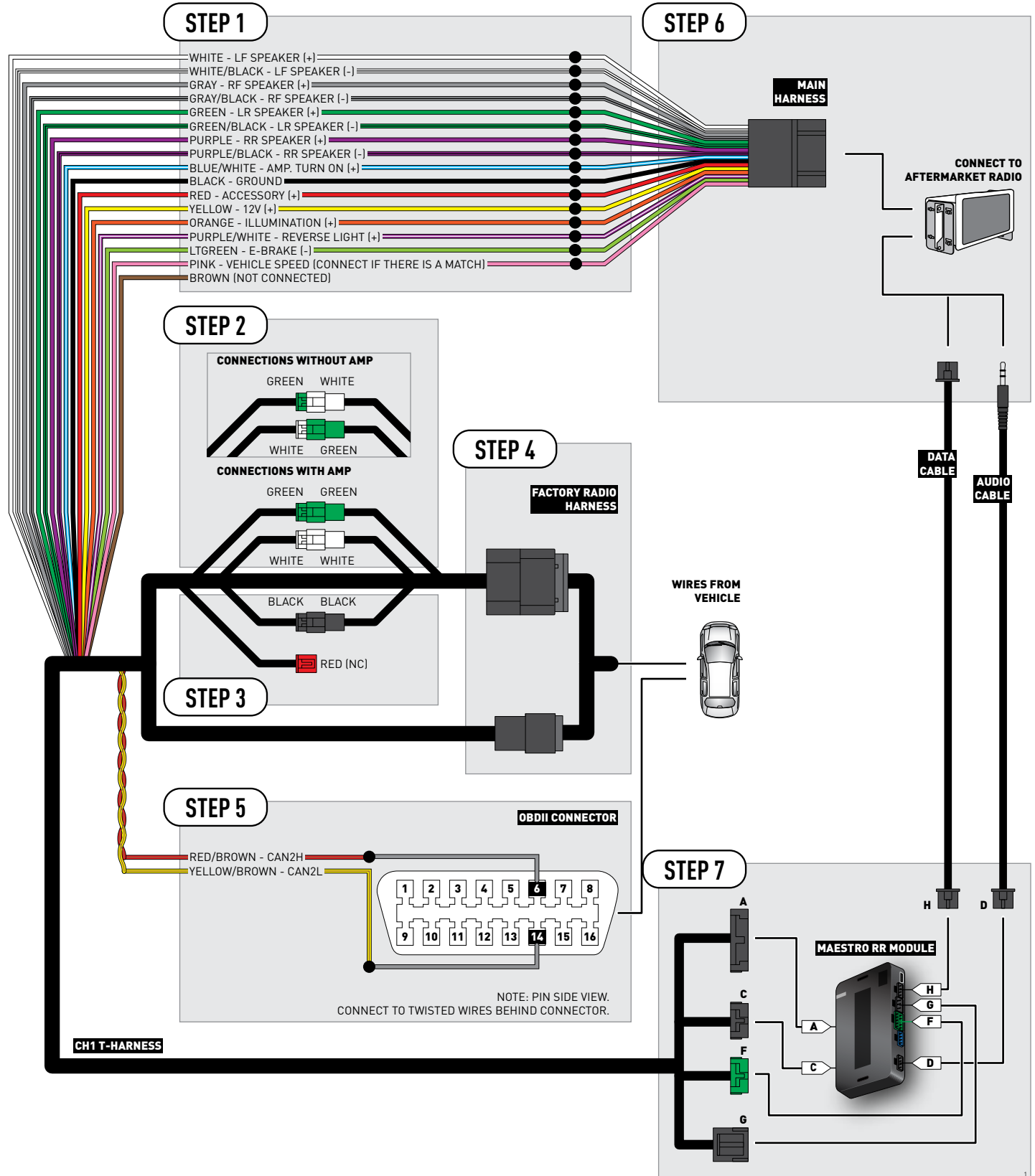**2014 Pioneer Radios:**

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

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 (-)
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BLACK - GROUND
RED - ACCESSORY (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN — WHITE

WHITE — GREEN

CONNECTIONS WITH AMP

GREEN — GREEN

WHITE — WHITE

BLACK — BLACK

RED (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

STEP 5

OBDII CONNECTOR

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 7

MAESTRO RR MODULE

A
C
F
G

H
G
F
D

CH1 T-HARNESS

DATA CABLE

AUDIO CABLE

H   D

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/DkGreen	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White/DkBlue	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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

![iDatalink maestro RR logo]

INSTALL GUIDE
VOLKSWAGEN ROUTAN
2008-2011

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

PRODUCTS REQUIRED

iDatalink Maestro RR Radio Replacement Interface
iDatalink Maestro CH1 Installation Harness

OPTIONAL ACCESSORIES
ADS-HRN(AV)-CHR01

PROGRAMMED FIRMWARE
ADS-RR(SR)-CHR01-DS

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**

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

DURING INSTALLATION

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 CH1 T-harness and match the wire functions.

STEP 2

- Remove the factory radio.
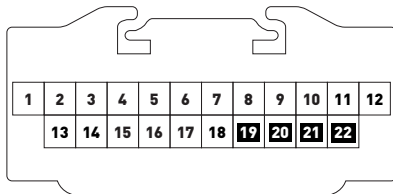- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

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The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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• 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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OEM BLUETOOTH SETUP

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For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

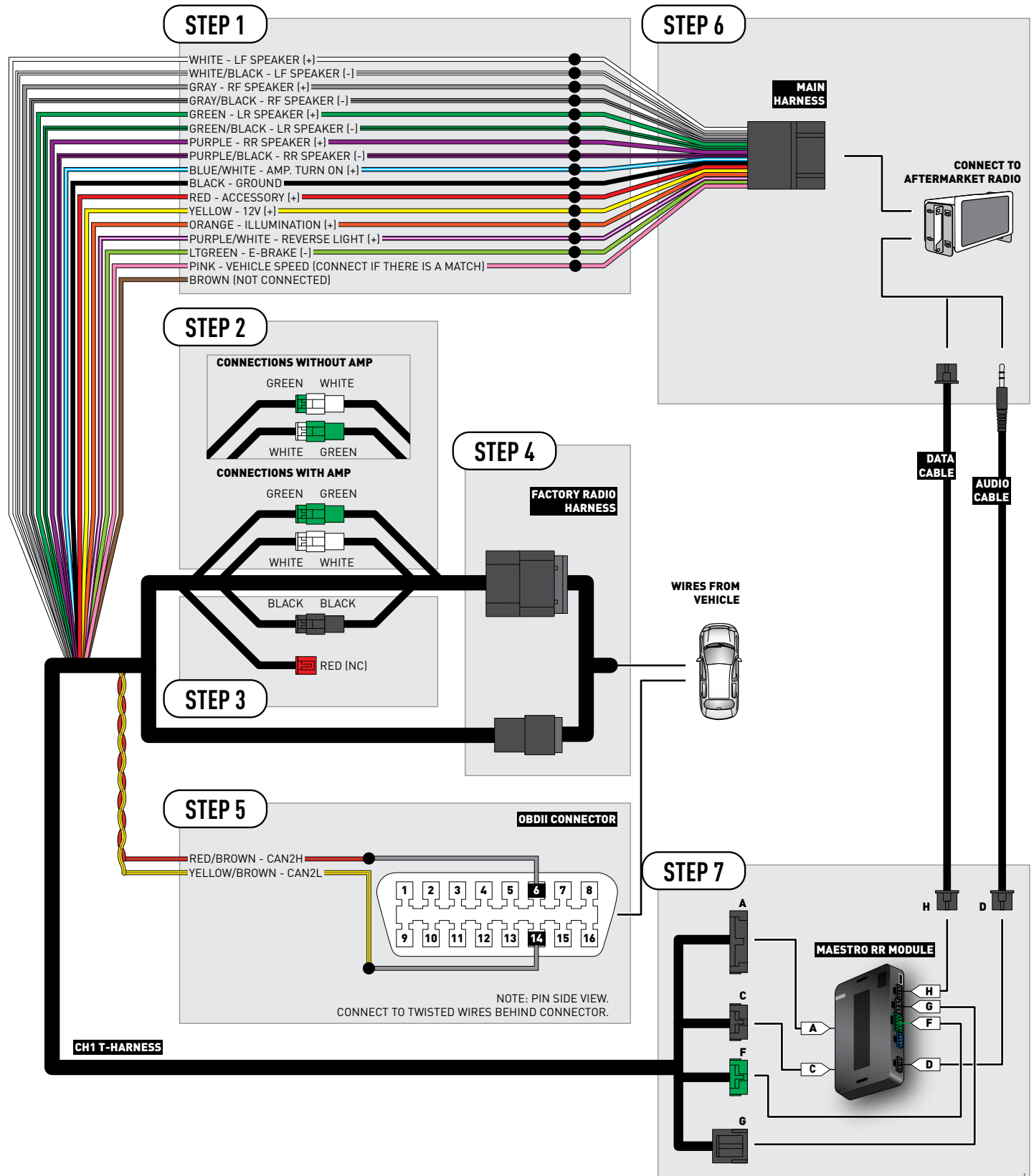**2014 Pioneer Radios:**

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STEP 6

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

DATA CABLE

AUDIO CABLE

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

STEP 4

FACTORY RADIO HARNESS

WIRES FROM VEHICLE

STEP 3

STEP 5

- RED/BROWN - CAN2H
- YELLOW/BROWN - CAN2L

OBDII CONNECTOR

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CH1 T-HARNESS

STEP 7

A

C

F

G

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MAESTRO RR MODULE

H
G
F
D

A

C

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

INSTALL GUIDE
VOLKSWAGEN ROUTAN
2012-2014

RETAINS STEERING WHEEL CONTROLS, UCONNECT, UCONNECT BLUETOOTH, AND MORE!

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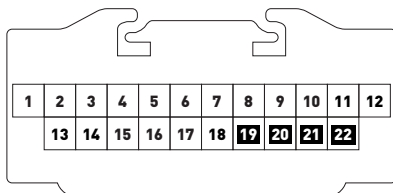- Access the main 22 pin factory radio connector **(2.1)** and determine if you have a factory amplifier.

Fig. 2.1

If you don't have wires in PIN 19, 20, 21 and 22, you have a factory amplifier:

- Plug the female GREEN connector to the male GREEN connector of your CH1 T-harness.
- Plug the female WHITE connector to the male WHITE connector of your CH1 T-harness.

If you have wires in PIN 19, 20, 21 and 22, you don't have a factory amplifier:

- Plug the female GREEN connector to the male WHITE connector of your CH1 T-harness.
- Plug the female WHITE connector to the male GREEN connector of your CH1 T-harness.

STEP 3

- Plug the female BLACK connector to the male BLACK connector.

STEP 4

- Connect the factory harness to the CH1 T-harness.

STEP 5

- Access the OBDII connector located under the driver side dashboard.
- Connect the RED/BROWN wire of the CH1 T-harness to the wire located at pin 6 of the OBDII connector. (See the vehicle wire chart reference for wire colors)
- Connect the YELLOW/BROWN wire of the CH1 T-harness to the wire located at pin 14 of the OBDII connector. (See the vehicle wire chart reference for wire colors)

STEP 6

- 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.

STEP 7

- Connect all the harnesses to the Maestro RR module then proceed to module setup.

MODULE SETUP:

- Insert the key into the ignition and turn it to the ACC position.
- The Radio will turn on and the setup screen will appear. Choose one of the two Bluetooth OPTIONS below:

OPTION 1:

  This option lets the factory Bluetooth system handle calls and the Factory and the aftermarket Bluetooth system stream Audio.

- To use the factory Bluetooth system: (The factory Bluetooth system is OFF by default)
- Scroll down to Chrysler setup and press SET
- Go to the OEM Bluetooth and press ON
- Press the BACK button (circular shaped arrow)
- Scroll down then press FINISH

INSTALLATION INSTRUCTIONS

OPTION 2:

This option lets the aftermarket Bluetooth system handle calls and stream Audio. To use the aftermarket Bluetooth system:

• Scroll to the bottom of the setup screen and press FINISH

• Install the aftermarket microphone

WARNING: Aftermarket Bluetooth system If your phone is paired to the Factory Bluetooth system you must delete the pairing from the phone to the Factory Bluetooth system.

For more information and programming procedures, see the aftermarket Bluetooth system and the factory Bluetooth system owner's manuals.

The module is now programmed and ready to be used. To access the new menus, press on CHRYSLER FEATURES.

Insert the aftermarket radio in the dashboard housing and test all the functionalities. Reassemble the dashboard carefully.

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/"

OEM BLUETOOTH SETUP

Only one Bluetooth system can be set for hands free calling. This must be determined before installation. Both the factory and aftermarket systems can be used for Bluetooth audio streaming. If the aftermarket Bluetooth is chosen for hands free calling, the aftermarket microphone must be installed in the vehicle.

2013 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned OFF by default. To turn ON the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The Radio will turn on and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select ON. Press the return arrow then scroll to the bottom of the page select FINISH.

2014 Kenwood Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the setup screen will appear. Scroll to the bottom and select the vehicle set up menu by pressing SET. Go to the option OEM Bluetooth and select OFF.

2014 Alpine Radios:

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select the settings button, in the top right corner, then select GENERAL. Select INTEGRATION SETUP then select HANDS FREE CONNECTION. Two options will be available ON or OFF, select OFF.

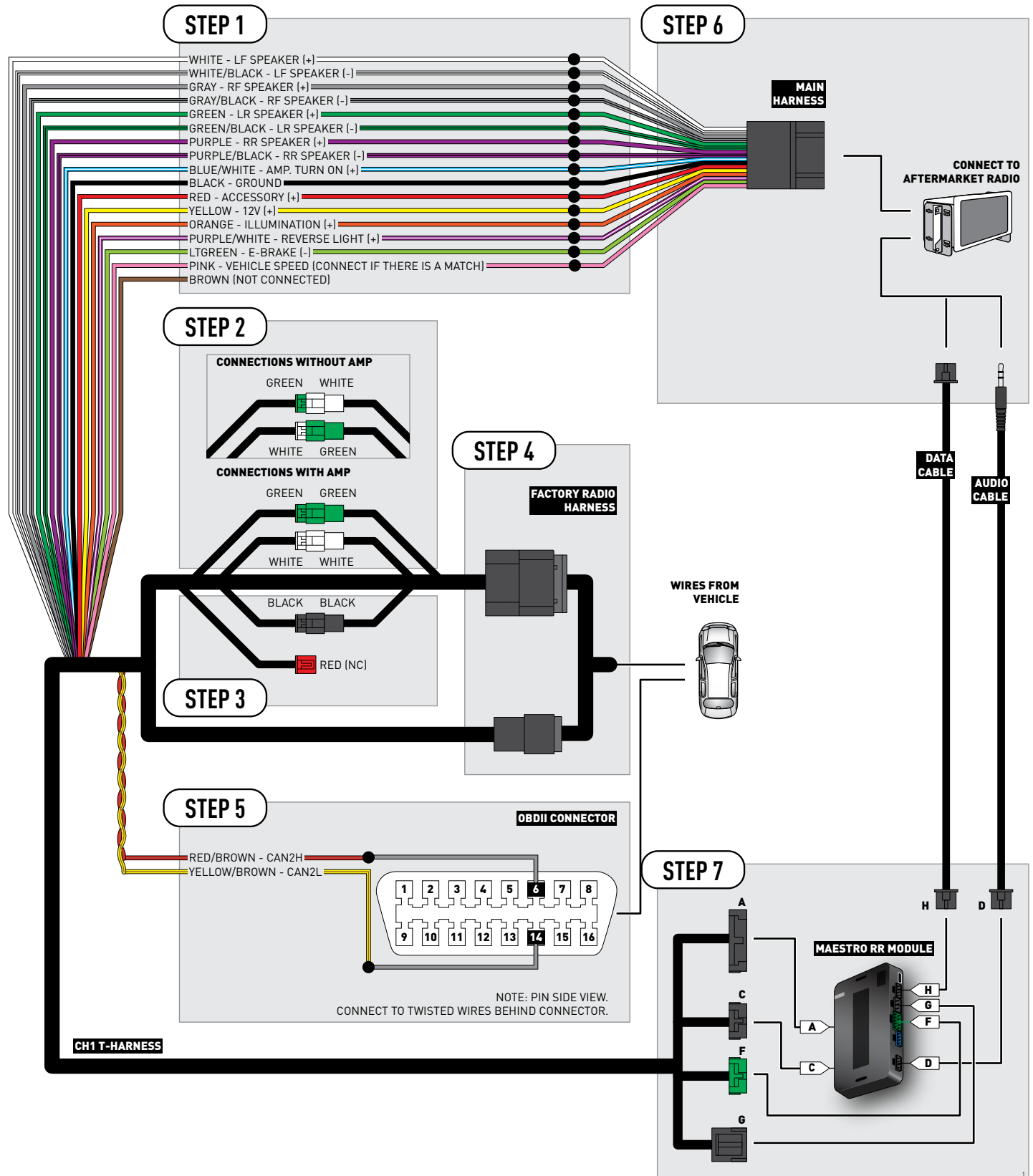**2014 Pioneer Radios:**

For these radio models, the OEM Bluetooth is turned ON by default. To turn OFF the OEM Bluetooth, insert the key into the ignition and turn it to the ACC position. The radio will turn ON and the main screen will appear. Select SETUP, then SYSTEM SETUP, then IDATALINK SETUP and turn OEM Bluetooth to OFF.

Note: Bluetooth audio streaming is not supported by 2014 Pioneer radios.

WIRING DIAGRAM

STEP 1

STEP 6

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 (+)
YELLOW - 12V (+)
ORANGE - ILLUMINATION (+)
PURPLE/WHITE - REVERSE LIGHT (+)
LTGREEN - E-BRAKE (-)
PINK - VEHICLE SPEED (CONNECT IF THERE IS A MATCH)
BROWN (NOT CONNECTED)

MAIN HARNESS

CONNECT TO AFTERMARKET RADIO

STEP 2

CONNECTIONS WITHOUT AMP

GREEN   WHITE

WHITE   GREEN

STEP 4

FACTORY RADIO HARNESS

CONNECTIONS WITH AMP

GREEN   GREEN

WHITE   WHITE

BLACK   BLACK

RED (NC)

STEP 3

WIRES FROM VEHICLE

DATA CABLE

AUDIO CABLE

STEP 5

OBDII CONNECTOR

RED/BROWN - CAN2H
YELLOW/BROWN - CAN2L

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

NOTE: PIN SIDE VIEW.
CONNECT TO TWISTED WIRES BEHIND CONNECTOR.

STEP 7

A

C

F

G

MAESTRO RR MODULE

H
G
F

A

C

D

CH1 T-HARNESS

VEHICLE WIRE REFERENCE CHART

Wire Description	Connector Name	Connector Color	Connector Type	Position	Wire Color	Polarity	Wire Location
CAN2H	OBDII	~	16 pin	06	White/LtBlue	(DATA)	OBDII connector, under driver side dash
CAN2L	OBDII	~	16 pin	14	White	(DATA)	OBDII connector, under driver side dash

RADIO WIRE REFERENCE CHART

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