



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 DSR1 module according to the guide for your vehicle.

WARNING

Pressing the printer icon or “quick printing” this document will print all of the guides in this compilation.



INSTALL GUIDE CHRYSLER 300 WITH HARMAN KARDON 2012-2016

ENABLE A SEAMLESS AFTERMARKET AMPLIFIER INSTALLATION,
WITHOUT CHANGING YOUR RADIO.



PRODUCTS REQUIRED

Rockford Fosgate DSR1
iDatalink Maestro aCH3 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

ADS-DSR1-CHR03

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 / Rockford Fosgate DSR1 Amplifier replacement solution. You are now a few simple steps away from enjoying your new car amplifier.

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

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NEED HELP?

 **1 866 427-2999**

 **support@idatalink.com**

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

INSTALLATION INSTRUCTIONS

STEP 1

- Remove the factory amplifier (refer to wire chart for amplifier location).
- Configure the 2 pin connectors on the aCH3 T-harness as shown on the wiring diagram.

STEP 2

- Connect the factory amplifier harnesses to the aCH3 T-harness.

STEP 3

- Connect the wires from the aCH3 T-harness to the aftermarket amplifier.

Note 1:

If you are running your own speaker wires from the amplifier to the speakers, this step is not necessary.

Note 2:

The amplifier output colors and labels on the aCH3 T-harness do not correspond to the vehicle. For vehicle specific wiring designation, see the wiring chart.

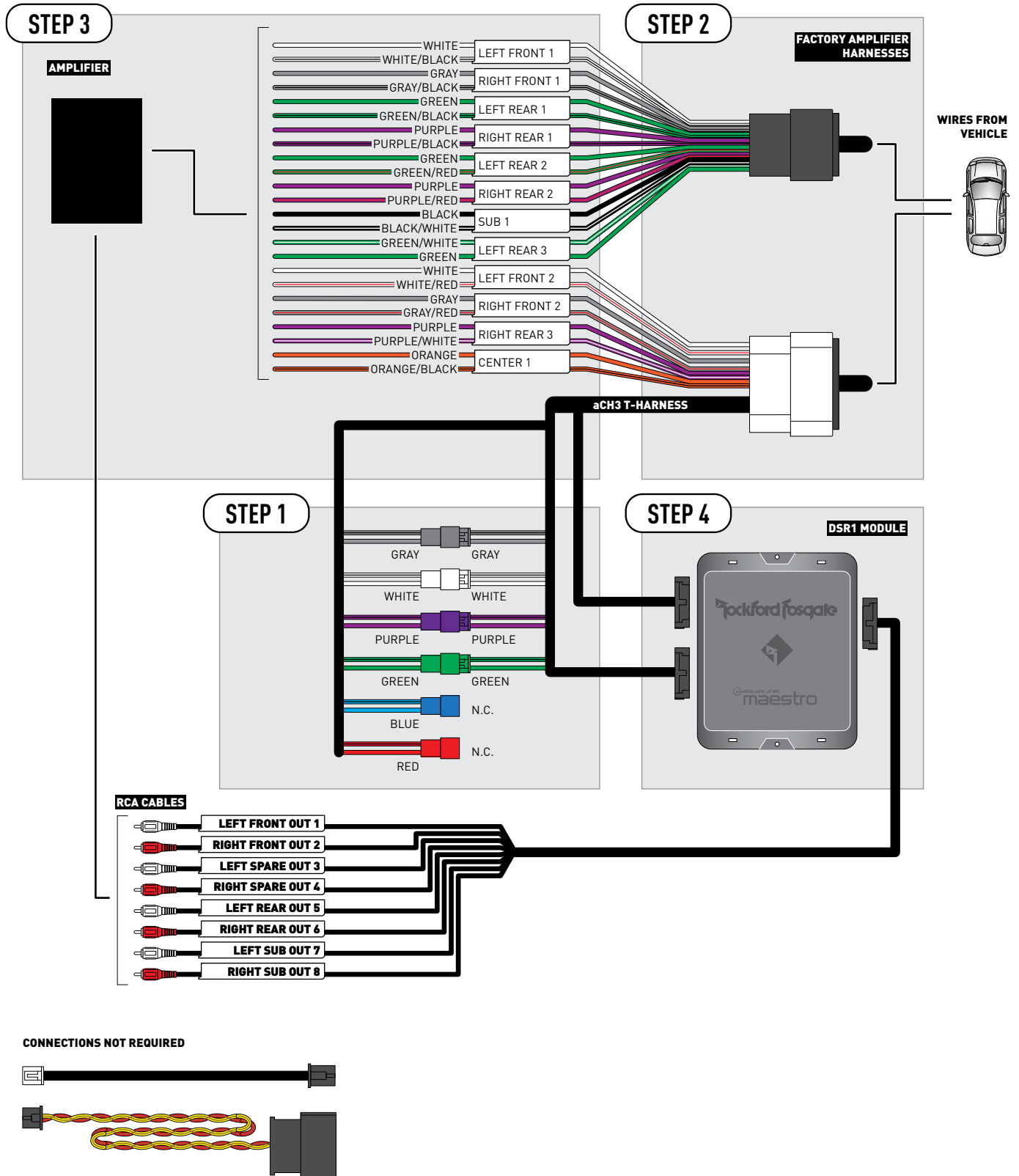
- Plug the RCA cables in the aftermarket amplifier.

STEP 4

- Connect all the harnesses to the DSR1 module.

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WIRING DIAGRAM

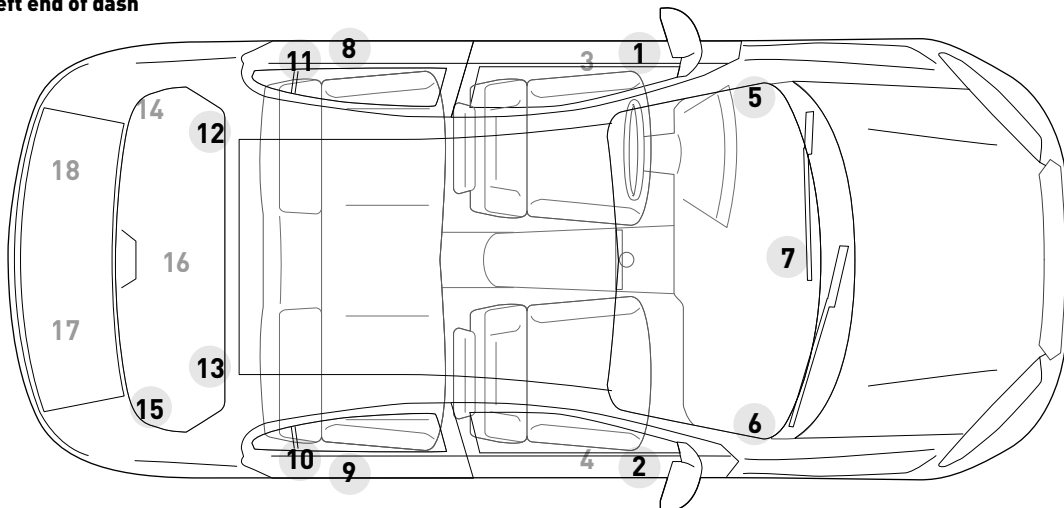


VEHICLE WIRE REFERENCE CHART

T-Harness Wires		Vehicle Wires	
Wire Tag	Wire Color	Speaker Wire Description	Component Position
LEFT FRONT 1	White	Left Front Door Speaker (+)	1
	White/Black	Left Front Door Speaker (-)	
LEFT FRONT 2	White	Left Front Tweeter on Dash (+)	5
	White/Red	Left Front Tweeter on Dash (-)	
RIGHT FRONT 1	Gray	Right Front Door Speaker (+)	2
	Gray/Black	Right Front Door Speaker (-)	
RIGHT FRONT 2	Gray/Red	Right Front Tweeter on Dash (+)	6
	Gray	Right Front Tweeter on Dash (-)	
LEFT REAR 1	Green/Black	Left Rear Door Speaker (+)	8
	Green	Left Rear Door Speaker (-)	
LEFT REAR 2	Green/Red	Left Rear Shelf Speaker (+)	12
	Green	Left Rear Shelf Speaker (-)	
LEFT REAR 3	Green/White	Left Rear Tweeter (+)	11
	Green	Left Rear Tweeter (-)	
RIGHT REAR 1	Purple	Right Rear Door Speaker (+)	9
	Purple/Black	Right Rear Door Speaker (-)	
RIGHT REAR 2	Purple	Right Rear Tweeter (+)	10
	Purple/Red	Right Rear Tweeter (-)	
RIGHT REAR 3	Purple	Right Rear Shelf Speaker (+)	13
	Purple/White	Right Rear Shelf Speaker (-)	
CENTER 1	Orange	Center (+)	7
	Orange/Black	Center (-)	
SUB 1	Black/White	Subwoofer (+)	15
	Black	Subwoofer (-)	

Note: The amplifier output colors and labels on the AR-CH3 T-harness do not correspond to the vehicle. For vehicle specific wiring designation, follow this wiring chart.

Amplifier location: Left end of dash





INSTALL GUIDE DODGE CHALLENGER WITH HARMAN KARDON 2012-2015

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STEP 3

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Note 1:

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The amplifier output colors and labels on the aCH3 T-harness do not correspond to the vehicle. For vehicle specific wiring designation, see the wiring chart.

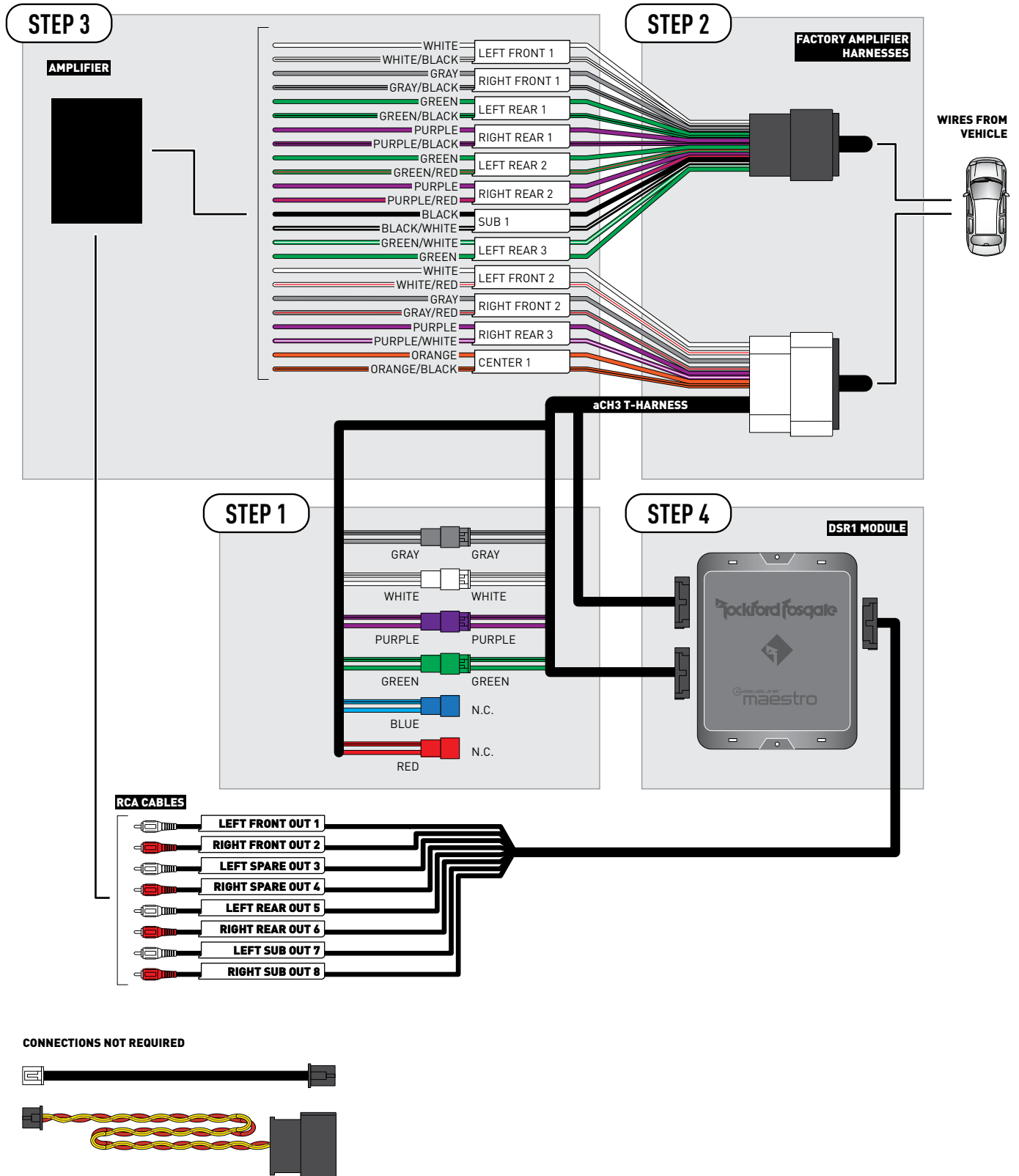
- Plug the RCA cables in the aftermarket amplifier.

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- Connect all the harnesses to the DSR1 module.

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WIRING DIAGRAM

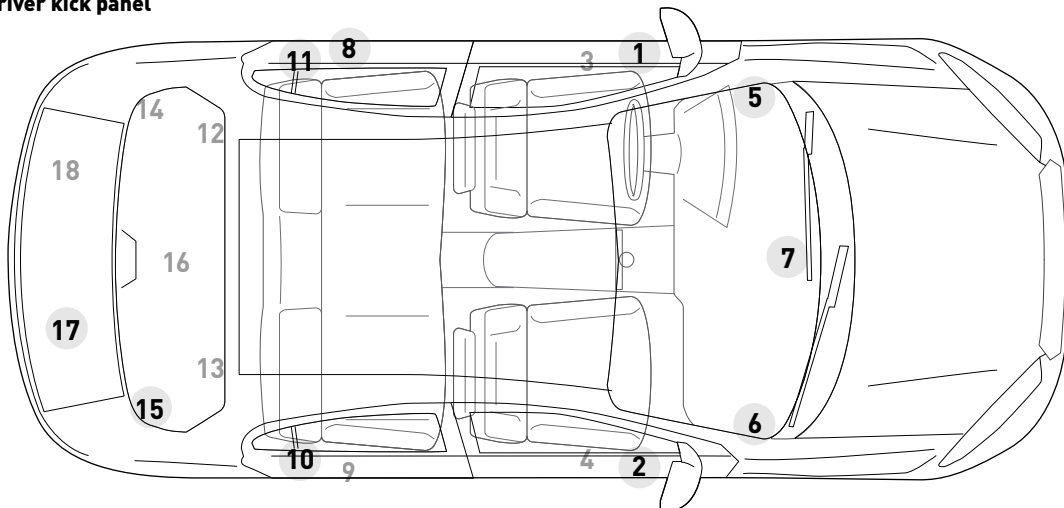


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Wire Tag	Wire Color	Speaker Wire Description	Component Position
LEFT FRONT 1	White	Left Front Door Speaker (+)	1
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LEFT FRONT 2	White	Left Front Tweeter on Dash (+)	5
	White/Red	Left Front Tweeter on Dash (-)	
RIGHT FRONT 1	Gray	Right Front Door Speaker (+)	2
	Gray/Black	Right Front Door Speaker (-)	
RIGHT FRONT 2	Gray/Red	Right Front Tweeter on Dash (+)	6
	Gray	Right Front Tweeter on Dash (-)	
LEFT REAR 1	Green/Black	Left Rear Door Tweeter (+)	11
	Green	Left Rear Door Tweeter (-)	
LEFT REAR 2	Green/Red	Subwoofer 1 (+)	17
	Green	Subwoofer 1 (-)	
LEFT REAR 3	Green/White	Left Rear Door Speaker (+)	8
	Green	Left Rear Door Speaker (-)	
RIGHT REAR 1	Purple	Right Rear Tweeter (+)	10
	Purple/Black	Right Rear Tweeter (-)	
RIGHT REAR 2	Purple	Right Rear Door Speaker (+)	10
	Purple/Red	Right Rear Door Speaker (-)	
RIGHT REAR 3	Purple	Subwoofer 2 (+)	17
	Purple/White	Subwoofer 2 (-)	
CENTER 1	Orange	Center (+)	7
	Orange/Black	Center (-)	
SUB 1	Black/White	Subwoofer 3 (+)	15
	Black	Subwoofer 3 (-)	

Note: The amplifier output colors and labels on the AR-CH3 T-harness do not correspond to the vehicle. For vehicle specific wiring designation, follow this wiring chart.

Amplifier location: Driver kick panel





INSTALL GUIDE DODGE CHARGER WITH HARMAN KARDON 2012-2015

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iDatalink Maestro aCH3 Installation Harness

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Note 1:

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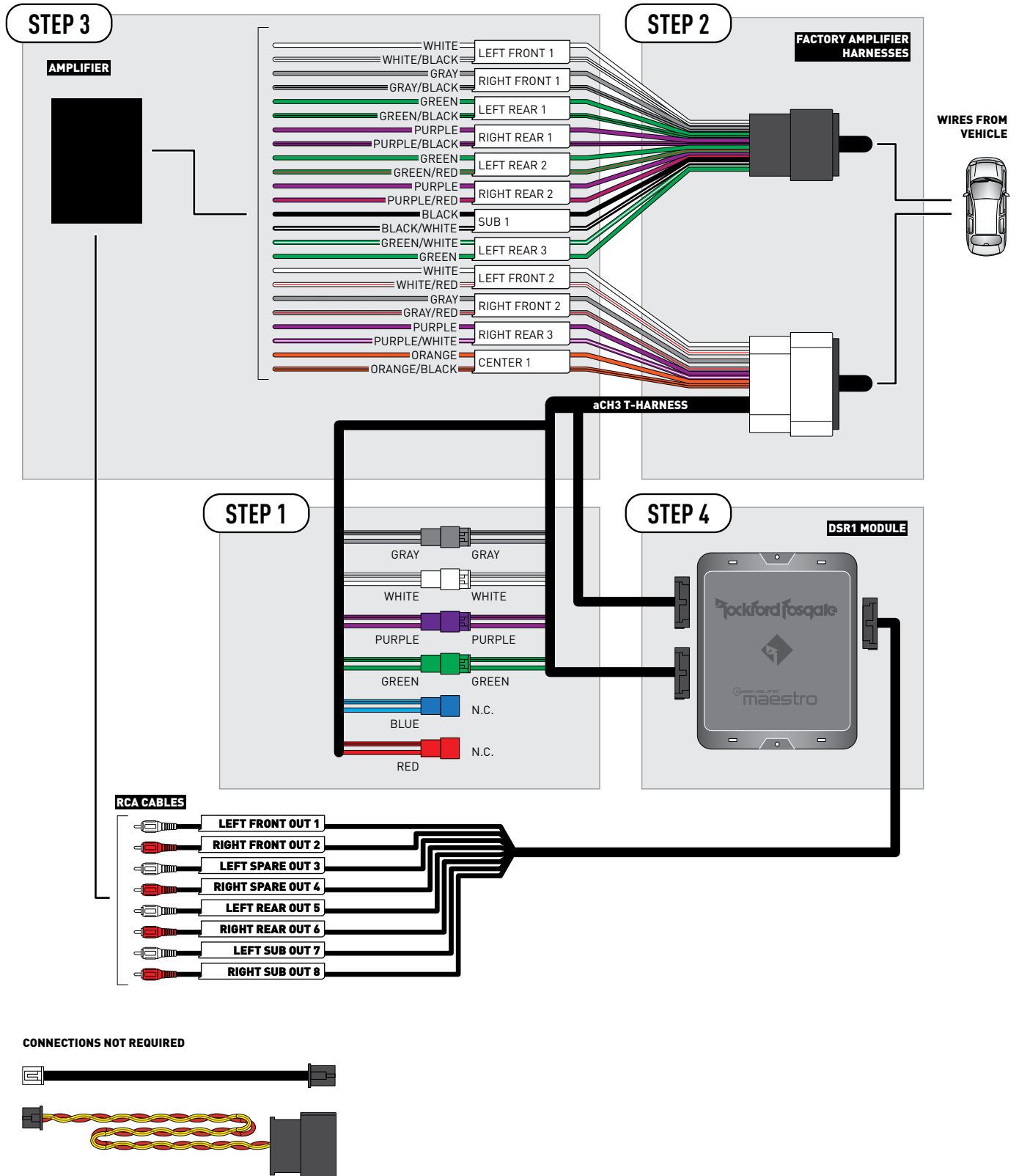
- Plug the RCA cables in the aftermarket amplifier.

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- Connect all the harnesses to the DSR1 module.

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WIRING DIAGRAM

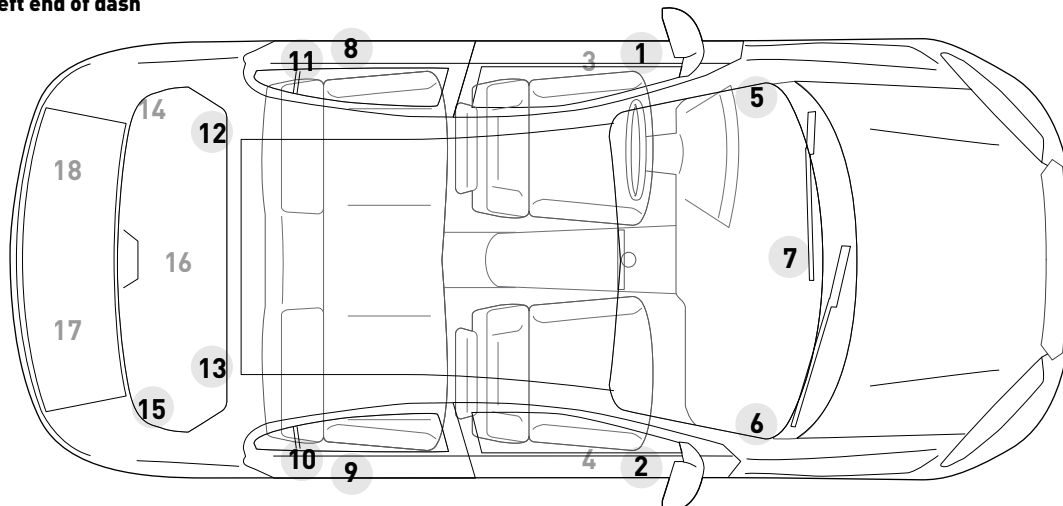


VEHICLE WIRE REFERENCE CHART

T-Harness Wires		Vehicle Wires	
Wire Tag	Wire Color	Speaker Wire Description	Component Position
LEFT FRONT 1	White	Left Front Door Speaker (+)	1
	White/Black	Left Front Door Speaker (-)	
LEFT FRONT 2	White	Left Front Tweeter on Dash (+)	5
	White/Red	Left Front Tweeter on Dash (-)	
RIGHT FRONT 1	Gray	Right Front Door Speaker (+)	2
	Gray/Black	Right Front Door Speaker (-)	
RIGHT FRONT 2	Gray/Red	Right Front Tweeter on Dash (+)	6
	Gray	Right Front Tweeter on Dash (-)	
LEFT REAR 1	Green/Black	Left Rear Door Speaker (+)	8
	Green	Left Rear Door Speaker (-)	
LEFT REAR 2	Green/Red	Left Rear Shelf Speaker (+)	12
	Green	Left Rear Shelf Speaker (-)	
LEFT REAR 3	Green/White	Left Rear Tweeter (+)	11
	Green	Left Rear Tweeter (-)	
RIGHT REAR 1	Purple	Right Rear Door Speaker (+)	9
	Purple/Black	Right Rear Door Speaker (-)	
RIGHT REAR 2	Purple	Right Rear Tweeter (+)	10
	Purple/Red	Right Rear Tweeter (-)	
RIGHT REAR 3	Purple	Right Rear Shelf Speaker (+)	13
	Purple/White	Right Rear Shelf Speaker (-)	
CENTER 1	Orange	Center (+)	7
	Orange/Black	Center (-)	
SUB 1	Black/White	Subwoofer (+)	15
	Black	Subwoofer (-)	

Note: The amplifier output colors and labels on the AR-CH3 T-harness do not correspond to the vehicle. For vehicle specific wiring designation, follow this wiring chart.

Amplifier location: Left end of dash





INSTALL GUIDE FIAT 500X 2016-2017

ENABLE A SEAMLESS AFTERMARKET AMPLIFIER INSTALLATION,
WITHOUT CHANGING YOUR RADIO.



PRODUCTS REQUIRED

Rockford Fosgate DSR1
iDatalink Maestro aCH3 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

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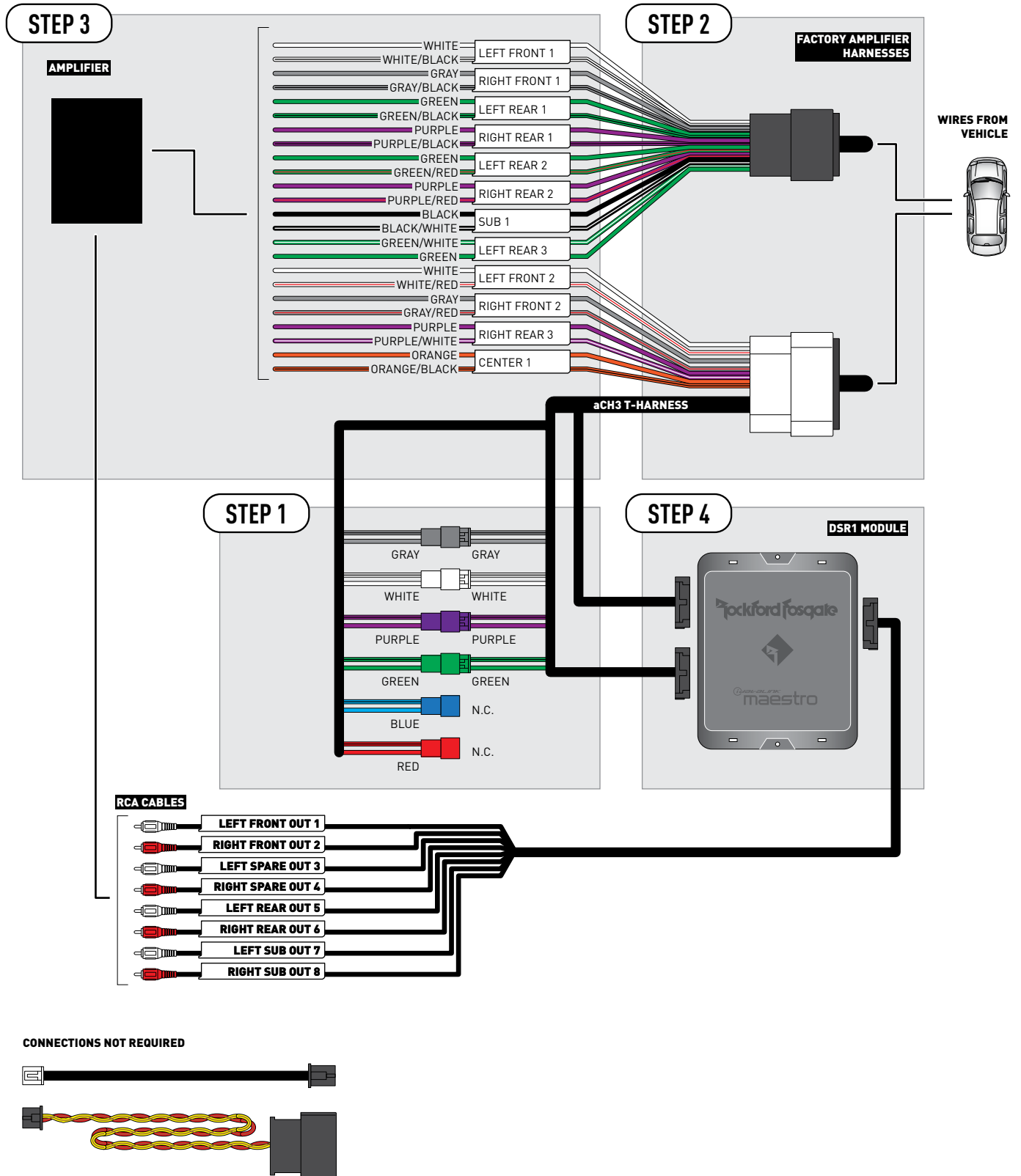
- Plug the RCA cables in the aftermarket amplifier.

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- Connect all the harnesses to the DSR1 module.

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WIRING DIAGRAM

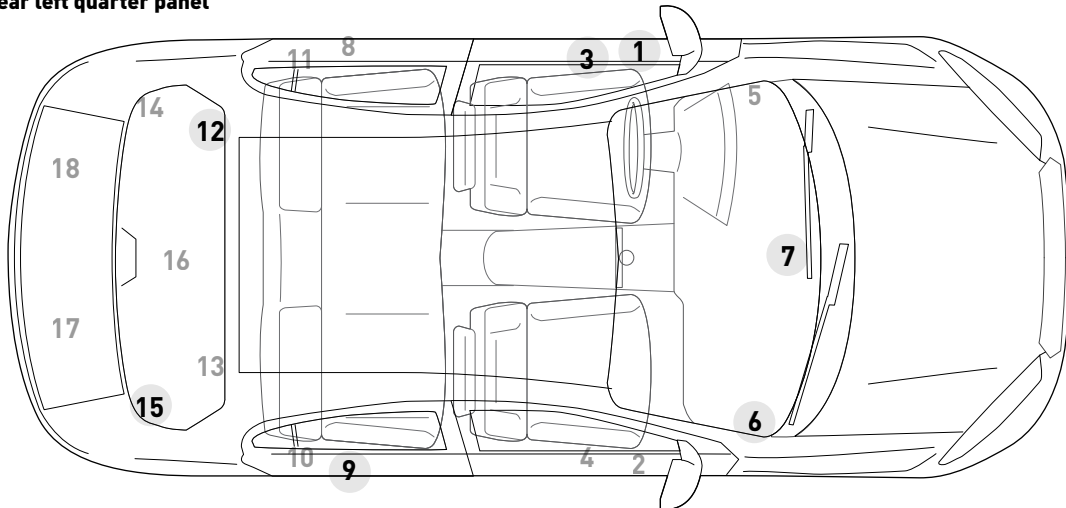


VEHICLE WIRE REFERENCE CHART

T-Harness Wires		Vehicle Wires	
Wire Tag	Wire Color	Speaker Wire Description	Component Position
LEFT FRONT 1	White	Right Front Door Speaker (+)	6
	White/Black	Right Front Door Speaker (-)	
LEFT FRONT 2	White	Left Front Tweeter (+)	3
	White/Red	Left Front Tweeter (-)	
RIGHT FRONT 1	Gray	Left Front Door Speaker (+)	1
	Gray/Black	Left Front Door Speaker (-)	
RIGHT FRONT 2	Gray/Red	Right Front Tweeter (+)	6
	Gray	Right Front Tweeter (-)	
LEFT REAR 1	Green/Black	n/a	
	Green	n/a	
LEFT REAR 2	Green/Red	Left Rear Door Speaker (+)	12
	Green	Left Rear Door Speaker (-)	
LEFT REAR 3	Green/White	n/a	
	Green	n/a	
RIGHT REAR 1	Purple	Subwoofer 2 (+)	9
	Purple/Black	Subwoofer 2 (-)	
RIGHT REAR 2	Purple	n/a	
	Purple/Red	n/a	
RIGHT REAR 3	Purple	n/a	
	Purple/White	n/a	
CENTER 1	Orange	Right Rear Door Speaker (+)	7
	Orange/Black	Right Rear Door Speaker (-)	
SUB 1	Black/White	Subwoofer 1 (+)	15
	Black	Subwoofer 1 (-)	

Note: The amplifier output colors and labels on the AR-CH3 T-harness do not correspond to the vehicle. For vehicle specific wiring designation, follow this wiring chart.

Amplifier location: Rear left quarter panel





INSTALL GUIDE JEEP GRAND CHEROKEE WITH HARMAN KARDON 2014

ENABLE A SEAMLESS AFTERMARKET AMPLIFIER INSTALLATION,
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PRODUCTS REQUIRED

Rockford Fosgate DSR1
iDatalink Maestro aCH3 Installation Harness

OPTIONAL ACCESSORIES

PROGRAMMED FIRMWARE

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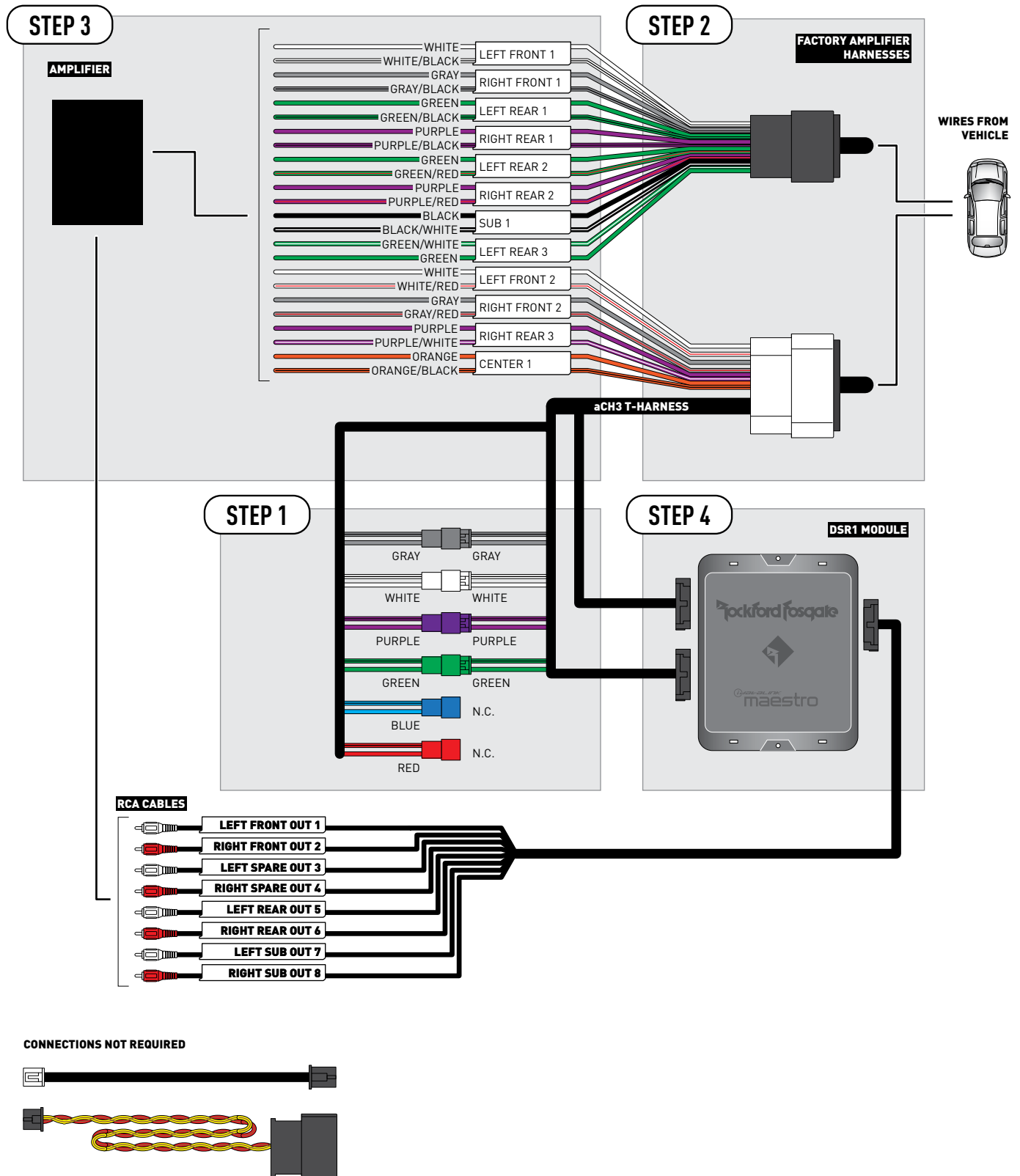
- Plug the RCA cables in the aftermarket amplifier.

STEP 4

- Connect all the harnesses to the DSR1 module.

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WIRING DIAGRAM

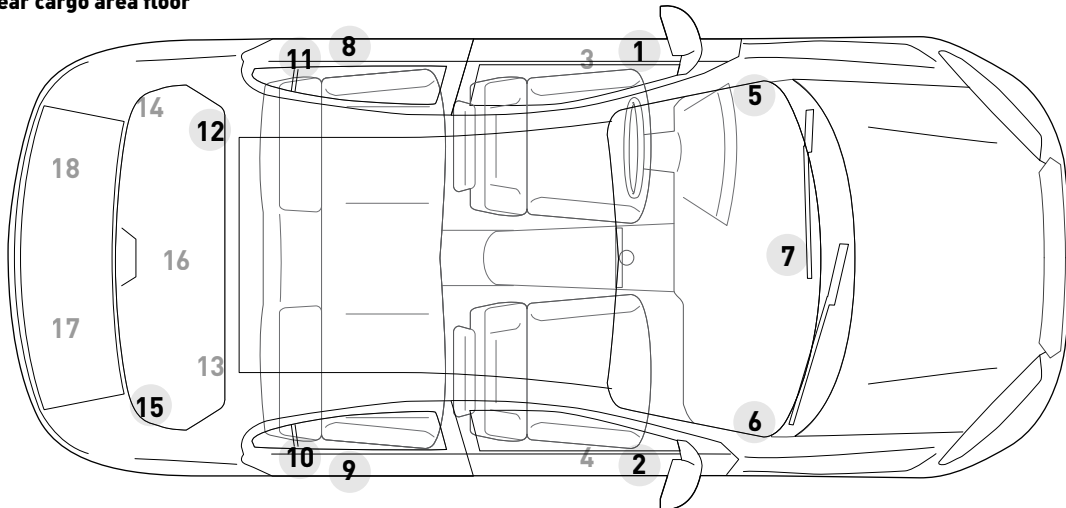


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T-Harness Wires		Vehicle Wires	
Wire Tag	Wire Color	Speaker Wire Description	Component Position
LEFT FRONT 1	White	Left Front Door Speaker (+)	1
	White/Black	Left Front Door Speaker (-)	
LEFT FRONT 2	White	Left Front Tweeter on Dash (+)	5
	White/Red	Left Front Tweeter on Dash (-)	
RIGHT FRONT 1	Gray	Right Front Door Speaker (+)	2
	Gray/Black	Right Front Door Speaker (-)	
RIGHT FRONT 2	Gray/Red	Right Front Tweeter on Dash (+)	6
	Gray	Right Front Tweeter on Dash (-)	
LEFT REAR 1	Green/Black	Left Rear Door Speaker (+)	8
	Green	Left Rear Door Speaker (-)	
LEFT REAR 2	Green/Red	Subwoofer 1 (+)	12
	Green	Subwoofer 1 (-)	
LEFT REAR 3	Green/White	Left Rear Shelf Speaker (+)	11
	Green	Left Rear Shelf Speaker (-)	
RIGHT REAR 1	Purple	Right Rear Door Speaker (+)	9
	Purple/Black	Right Rear Door Speaker (-)	
RIGHT REAR 2	Purple	Right Rear Shelf Speaker (+)	10
	Purple/Red	Right Rear Shelf Speaker (-)	
RIGHT REAR 3	Purple	n/a	
	Purple/White	n/a	
CENTER 1	Orange	Center (+)	7
	Orange/Black	Center (-)	
SUB 1	Black/White	Subwoofer 2 (+)	15
	Black	Subwoofer 2 (-)	

Note: The amplifier output colors and labels on the AR-CH3 T-harness do not correspond to the vehicle. For vehicle specific wiring designation, follow this wiring chart.

Amplifier location: Rear cargo area floor





INSTALL GUIDE JEEP RENEGADE 2015-2017

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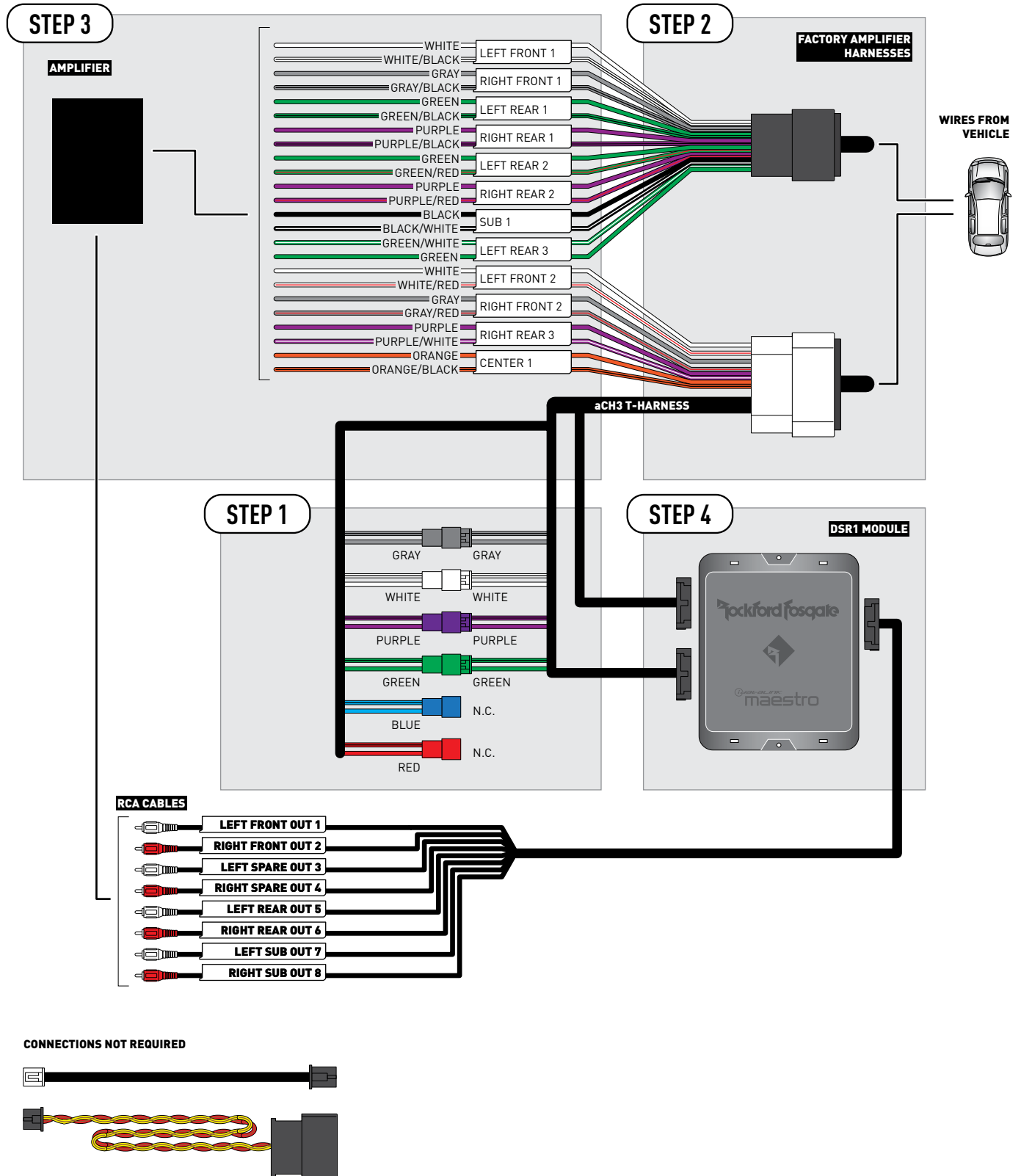
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T-Harness Wires		Vehicle Wires	
Wire Tag	Wire Color	Speaker Wire Description	Component Position
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	White/Black	Right Front Door Speaker (-)	
LEFT FRONT 2	White	Left Front Tweeter (+)	3
	White/Red	Left Front Tweeter (-)	
RIGHT FRONT 1	Gray	Left Front Door Speaker (+)	1
	Gray/Black	Left Front Door Speaker (-)	
RIGHT FRONT 2	Gray/Red	Right Front Tweeter (+)	6
	Gray	Right Front Tweeter (-)	
LEFT REAR 1	Green/Black	n/a	
	Green	n/a	
LEFT REAR 2	Green/Red	Left Rear Door Speaker (+)	12
	Green	Left Rear Door Speaker (-)	
LEFT REAR 3	Green/White	n/a	
	Green	n/a	
RIGHT REAR 1	Purple	Subwoofer 2 (+)	9
	Purple/Black	Subwoofer 2 (-)	
RIGHT REAR 2	Purple	n/a	
	Purple/Red	n/a	
RIGHT REAR 3	Purple	n/a	
	Purple/White	n/a	
CENTER 1	Orange	Right Rear Door Speaker (+)	7
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SUB 1	Black/White	Subwoofer 1 (+)	15
	Black	Subwoofer 1 (-)	

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Amplifier location: Rear left quarter panel

