



SDHQ Motorsports
190 S McQueen Rd
Ste 109 Gilbert, AZ 85233
www.SDHQoffroad.com

Product Packing List

Product: **SDHQ-14-1212-G6-BD**

Description: **SDHQ Built 2021-Current Ford Bronco & 2022-Current Bronco Raptor 3rd Brake Light Chase Light Wiring Harness for Baja Design**

_____ (1) Ford Bronco Baja Design Harness	SDHQ-14-1212-G6-BD
_____ (1) Hardware Package	SDHQ-14-1212-G6-BD-HP
_____ (1) DT04 Female 4-Plug Connector	
_____ (1) DT04 Female 4-Plug Wedge	
_____ (4) DT04 16-20g Male Terminals	
_____ (2) 16-14 Ga Non-Insulated Butt Connectors	
_____ (3) 1" Piece of 1/4" Heat Shrink	
_____ (1) 1" Piece of 1/2" Heat Shrink	

Inspected and Packaged By: _____ **Date:** _____

For questions or help with the installation, please email help@sdhqoffroad.com
Store front hours: Mon. – Fri. 8:00am – 5:30pm and Sat. 9:00am – 2:00pm Arizona Time.

For questions or help with the installation, please email help@sdhqoffroad.com
Store front hours: Mon. – Fri. 8:00am – 5:30pm and Sat. 9:00am – 2:00pm Arizona Time.

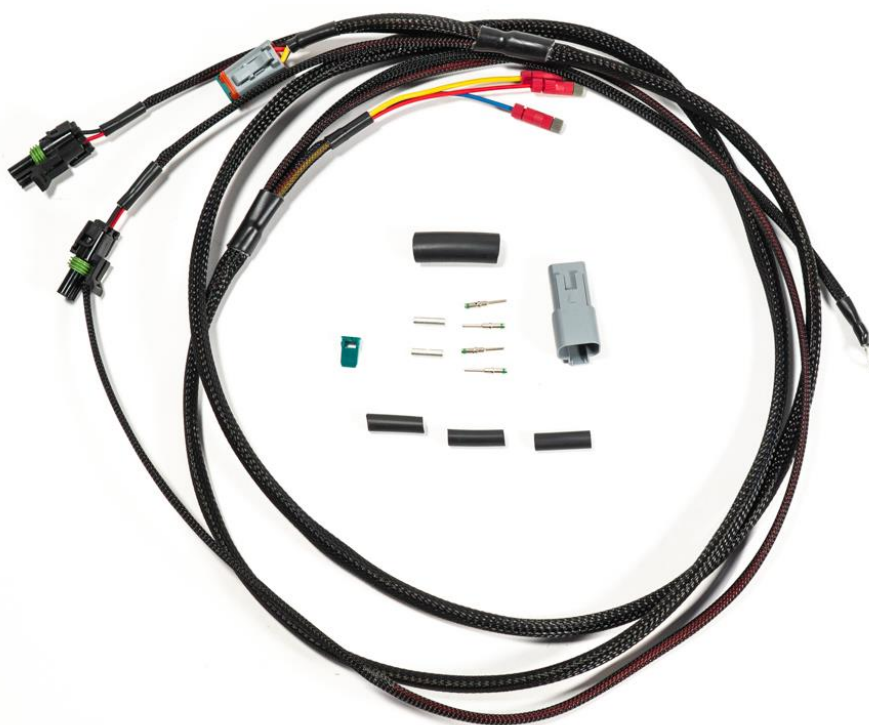


SDHQ Motorsports
190 S McQueen Rd
Ste 109 Gilbert, AZ 85233
www.SDHQoffroad.com

INSTALLATION INSTRUCTIONS

Product: SDHQ-14-1212-G6-BD

Description: SDHQ Built 2021-Current Ford Bronco & 2022-Current Bronco Raptor 3rd Brake Light Chase Light Wiring Harness for Baja Designs



Parts List	Hardware List	Required Tools
(1) SDHQ Ford Bronco BD Harness SDHQ-14-1212-G6-BD (1) Hardware Package SDHQ-14-1212-G6-BD-HP	(1) DT04 Female 4-Plug Connector (1) DT04 Female 4-Plug Wedge (4) DT04 16-20g Male Terminals (2) 16-14 Ga Non-Insulated Butt Connector (3) 1" Piece of 1/4" Heat Shrink (1) 1" Piece of 1/2" Heat Shrink	Plastic Trim Removal Tools 8mm, 10mm Socket Ratchet Wire Crimpers Wire Strippers Knife
Tech Notes		
Approx. Install Time: 1 Hour		

***READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! ***

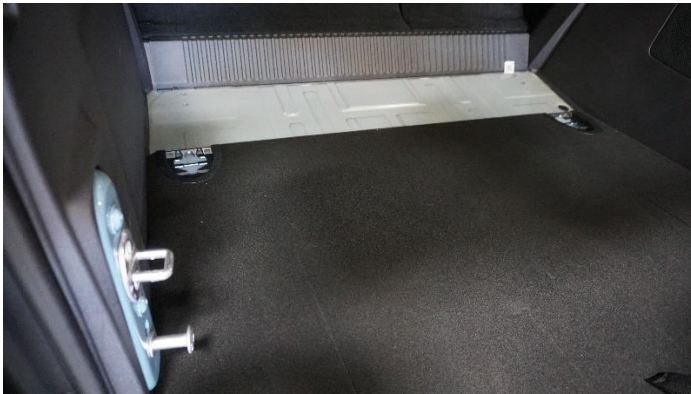
For questions or help with the installation, please email help@sdhqoffroad.com
Store front hours: Mon. – Fri. 8:00am – 5:30pm and Sat. 9:00am – 2:00pm Arizona Time.

Installation Instructions:

1. Unbox your Wiring Harness and verify all parts are present.
2. Open the tailgate and remove the cargo liner if installed. Then using a plastic trim removal tool remove the (4) tie-down covers. Using a 10mm socket remove the (8) bolts retaining the (4) tie-downs and remove the tie-downs.



3. Remove the carpet panel by lifting the back edge and pulling toward the rear of the vehicle. Then remove the tailgate plastic trim using a plastic trim tool.



4. Release the rear seat backs so that they lean forward and out of the way. Remove the rear seat trim by pulling upward on the edges of the panel. Remove the passenger rear door sill panel using a plastic trim tool.



5. Remove the passenger side trunk panel using plastic trim tools, there are 3 electrical connections on the backside of the panel that need to be disconnected to remove the panel.



6. Remove the two plastic panels on the inside of the tailgate using plastic trim tools.



7. Push out the wiring grommet from the tailgate by pushing in the tabs. Remove the electrical tape and zip-tie from the outside of the grommet. Remove the rubber material on the outside of the grommet and cut the inside rubber to allow the harness to be run through the factory grommet hole.



8. Feed the harness side with the eyelet and Posi-taps through the grommet from the outside. Pull the harness through the grommet until it can reach the connections for the RTL and chase lights with minimal slack.



9. Use crimpers to crimp the male terminals onto the (4) wires for the RTL.
10. Place the 1/2" piece of heat shrink over the wire ends. Using a knife cut back some of the insulation on the RTL wires to allow for the Deutsch connector to be pinned.
11. Pin the Female Deutsch connector onto the RTL wires using the pin out, shown to the right. Once the pins are fully seated in the connector install the wedge into the connector to secure the pins.
12. Using a heat gun secure the heat shrink over the opening of the RTL wires insulation.
13. Connect the harness to the RTL and Chase Light connectors.

Pin Location	Wire Color
1	Red
2	Black
3	Blue
4	Yellow

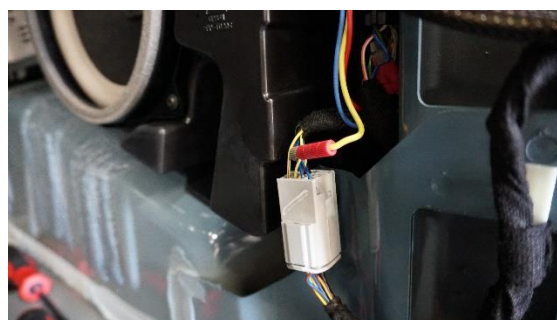
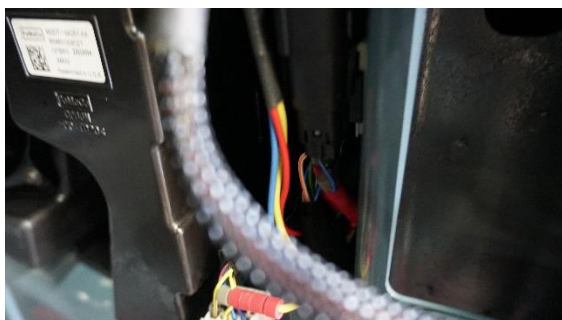
14. Use push-in zip ties to secure the wiring for the lights. Loop the factory 3rd Brake light harness and zip tie it to the new harness behind the tire carrier to secure it. Zip tie the new harness to the factory harness as shown to secure it out of the way of the tire.



15. Disconnect the Black 20 pin connector and the Light Gray connector. Connect the Blue wire Posi-tap to the Green/Brown wire of the 20 pin connector. Connect the Red wire Posi-tap to the Blue/Gray wire of the 20 pin connector. Connect the Yellow wire Posi-tap onto the Yellow/Gray wire of the Light Gray connector.



Connector	Wire Color	BD Harness Color
20 Pin	Green/Brown	Blue
20 Pin	Blue/Gray	Red
Light Gray	Yellow/Gray	Yellow



For questions or help with the installation, please email help@sdhqoffroad.com
Store front hours: Mon. – Fri. 8:00am – 5:30pm and Sat. 9:00am – 2:00pm Arizona Time.

- 16.** Use an 8mm socket to remove the bolt retaining the Ground wire to the chassis. Place the 1/4" eyelet over the chassis ground and reinstall the bolt retaining the grounds.



- 17.** Slide (1) 1" piece of 1/4" heat shrink over the Red wires with the butt connector. Use wire crimpers to crimp the butt connector on the harness to the Up-fitter wire, White/Orange, located near the passenger side rear door on the side of the trunk. Slide the heat shrink over the butt connector and use heat gun to secure.



- 18.** Use wire crimpers to crimp (1) butt connector to the Up-fitter wire located under the passenger side of the dash board, it is a White/Orange wire. Crimp the other side of the butt connector to the White/Brown wire. This White/Brown wire is an Up-fitter wire from under the dashboard to the engine bay and the other end is found in a bundle of three wires near the brake booster.

19. Test out the lights to ensure that the RTL and the chase lights are operating as expected, the Brake should light up the RTL, when the headlights are on the running light on the RTL should operate, the Brake should increase the RTL brightness when running light is on, Reverse should light up the RTL with white light. Troubleshoot if needed.
20. Use zip ties to secure the wiring harness in place and it is recommended to leave slack inside of the tailgate.



21. Replace all the interior panels in the opposite order they were removed.
22. Install is complete enjoy your SDHQ Built Ford Bronco 3rd Brake Light Chase Light Wiring Harness for Baja Designs.



Double check all hardware is installed correctly and tight

Re-torque ALL bolts after 100 miles



190 S McQueen Rd
Ste 109 Gilbert, AZ 85233
www.sdhqoffroad.com

Follow us on:



Facebook



Instagram

For questions or help with the installation, please email help@sdhqoffroad.com
Store front hours: Mon. – Fri. 8:00am – 5:30pm and Sat. 9:00am – 2:00pm Arizona Time.