



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

Product Packing List

Product: SDHQ-14-3003-G6

Description: SDHQ Built 2021+ Ford Bronco Billet Battery Terminal/Distribution Kit

_____ (1) SDHQ Billet Battery Distribution Kit

SDHQ-02-3003-D2

_____ (1) Billet Negative Sensor Terminal Kit

SDHQ-02-3003-TS1

Inspected and Packaged By: _____ Date: _____

Included in **SDHQ-02-3003-D2**

_____	(1) Billet Positive Battery Terminal	SDHQ-02-3003-T2-P-Rev2
_____	(1) Billet Negative Distribution Block	SDHQ-02-3003-D2-N
_____	(1) Hardware Package	SDHQ-02-3003-D2-HP
_____	(1) Positive Battery Protective Boot	
_____	(1) Red Post Washer	
_____	(1) Black Post Washer	
_____	(1) M8 - 1.25 x 30mm S.S. Socket Head Bolt	
_____	(1) 5/16" - 18 x 1 1/2" Battery Terminal Bolt	
_____	(1) 5/16" - 18 Battery Shoulder Nut	
_____	(4) 1/4" - 20 x 1/2" S.S. Hex Head Bolt	
_____	(4) 1/4" S.S. Washer	
_____	(1) 5/16" - 18 x 1" S.S. Hex Head Bolt	
_____	(1) 5/16" - 18 x 3/4" S.S. Hex Head Bolt	
_____	(2) 5/16" S.S. Washer	
_____	(2) 3/8" - 16 x 2" S.S. Hex Head Bolt	
_____	(4) 3/8" S.S. Washers	
_____	(2) 3/8" - 16 S.S. Nuts	
_____	(1) Small Tube of Anti-Seize	

Included in **SDHQ-02-3003-TS1**

_____	(1) Billet Negative Sensor Terminal	SDHQ-02-3003-TS1-N
_____	(1) Hardware Package	SDHQ-02-3003-TS1-HP
_____	(1) Black Post Washer	
_____	(1) 5/16" - 18 x 1 1/2" Battery Terminal Bolt	
_____	(1) 5/16" - 18 Battery Shoulder Nut	
_____	(1) M6 SS Serrated Flange Head Nut	

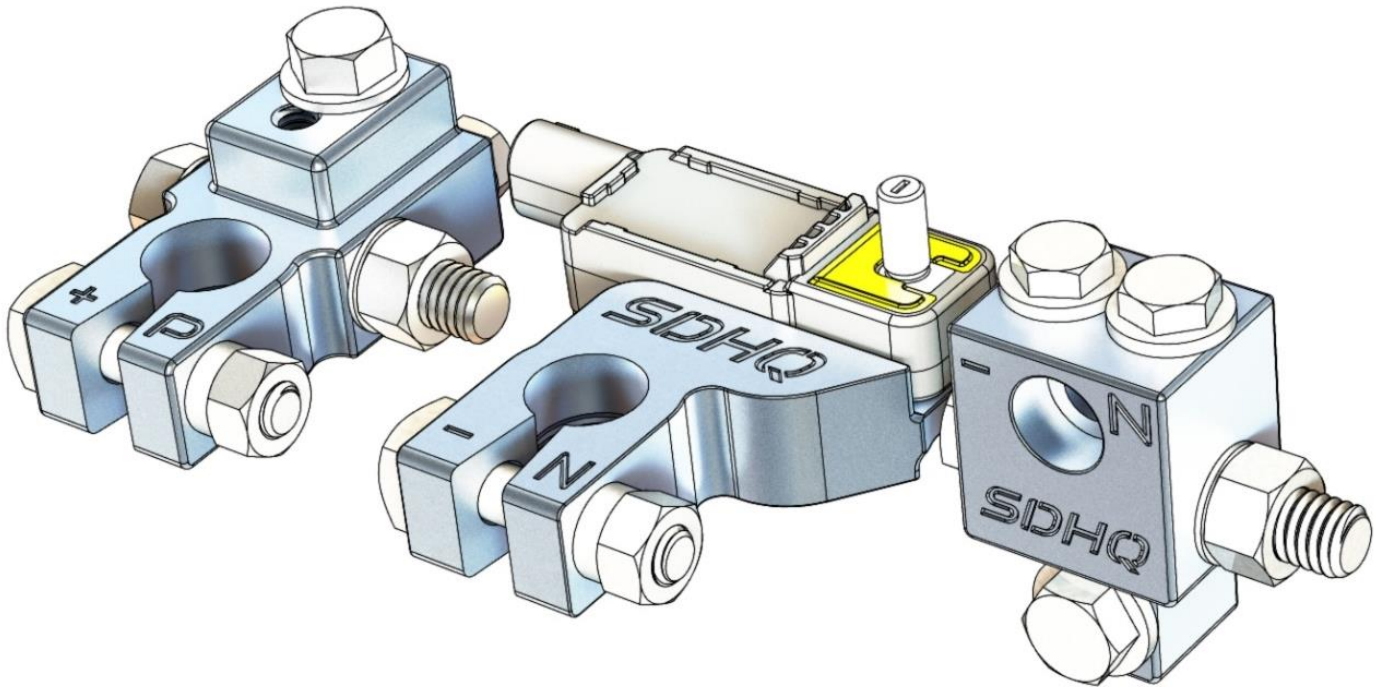


SDHQ Motorsports
 190 S McQueen Rd
 Ste 109 Gilbert, AZ 85233
 Phone: 480-633-2929

INSTALLATION INSTRUCTIONS

Product: SDHQ-14-3003-G6

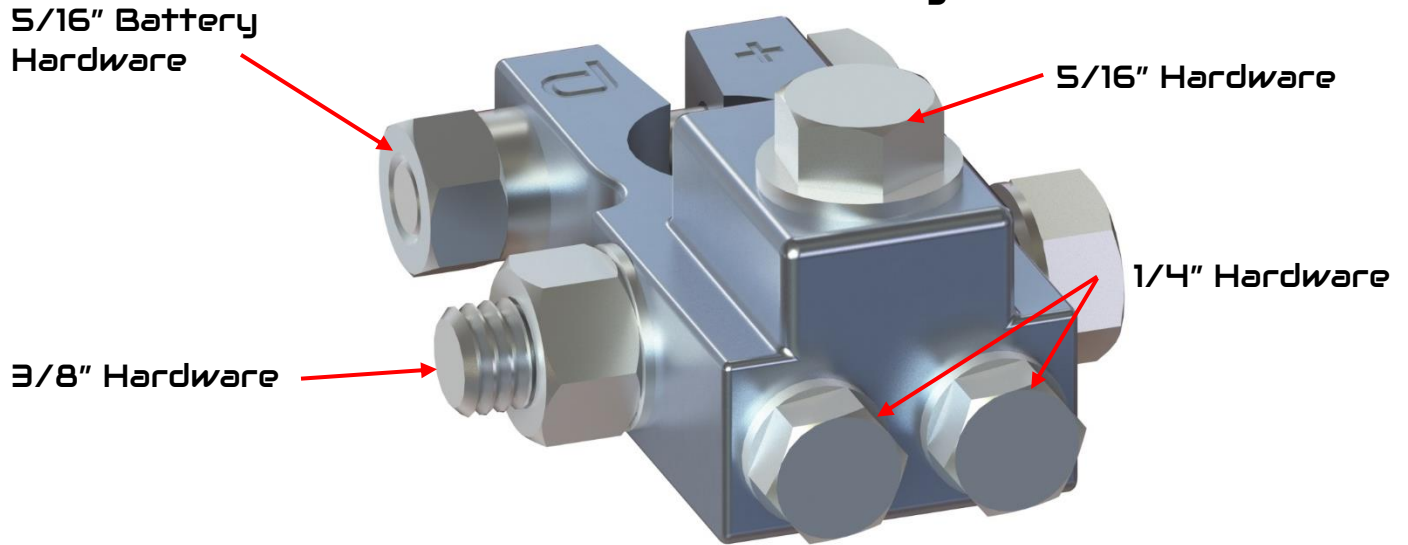
Description: SDHQ 2021+ Ford Bronco Billet Battery Terminal/Distribution Kit



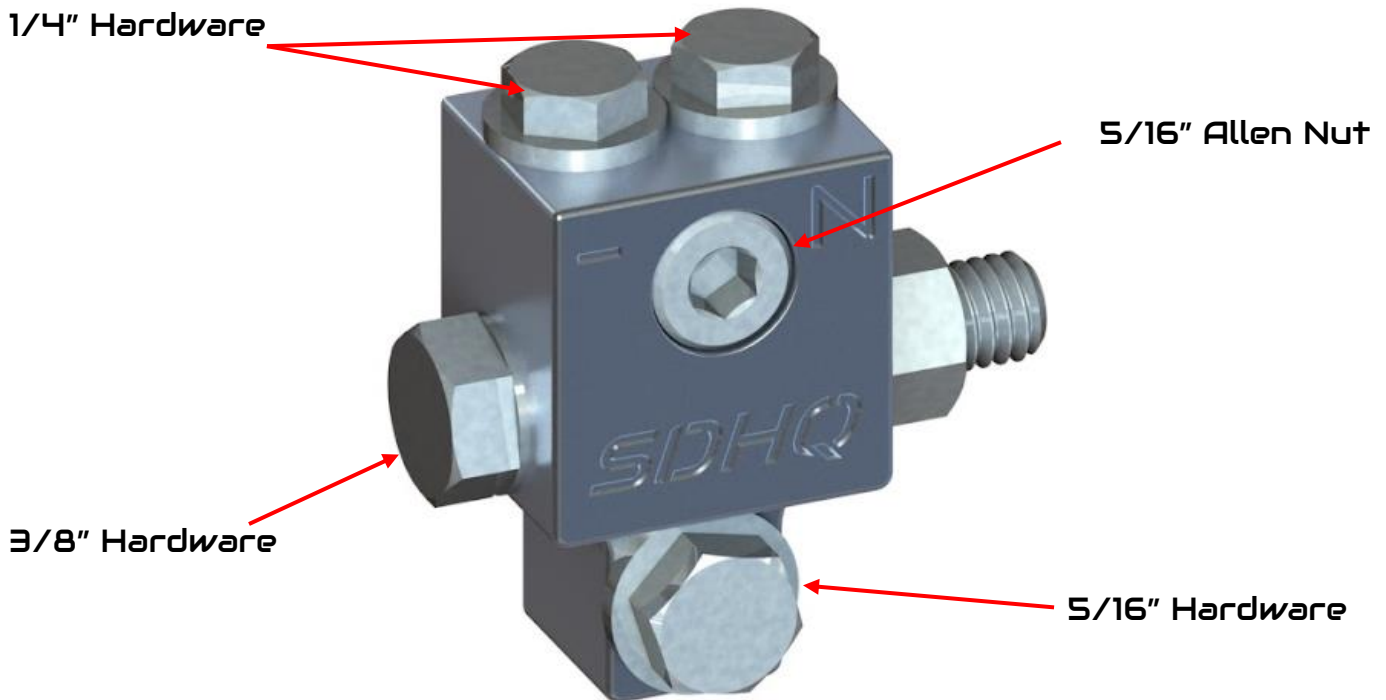
<u>Parts List</u>	<u>Hardware List</u>	<u>Required Tools</u>
(1) SDHQ Billet Terminal/Distribution Kit SDHQ-02-3003-D2 (1) SDHQ Negative Sensor Terminal Kit SDHQ-02-3003-TS1	Included in D2 and TS1 Kits	7/16", 1/2", 9/16" Sockets 10mm, 12mm Sockets Ratchet 9/16" Wrench Rubber Mallet Pliers E16 Torx Socket
<u>Tech Notes</u>		
Apply Anti-Seize to all hardware. Follow the Torque Specifications on the bottom of Page 6. See SDHQ-02-37(01/04/10) for (1-2GA, 4-6GA, 1/0GA) Solder Lug Kits. See SDHQ-02-38(02/04/06/10) for (1-2GA, 4GA, 6GA, 10GA) Compression Lug Kits. Approx. Install Time: 1 Hour		

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

SDHQ Positive Battery Terminal



SDHQ Negative Distribution Block



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

Installation Instructions:

1. Unbox your SDHQ Built Complete Billet Battery Terminal Kit and check over all parts. Familiarize yourself with the parts and diagrams above.

2. **Disconnecting Battery.** Disconnect the stock negative battery terminal using 10mm socket. Removing all wires from the negative terminal and unplug the Bosch BMS (battery management sensor). Remove the terminal from the BMS using a E16 Torx socket and discard factory terminal. Disconnect the factory positive battery terminal using 10mm socket. Remove all wire terminals from the factory positive battery terminal and discard the factory terminal.

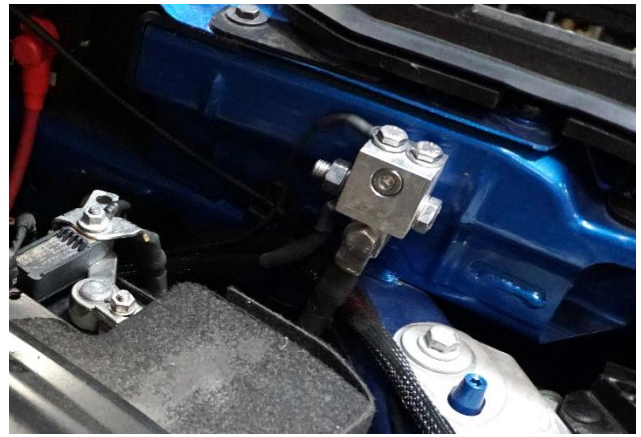


3. **TS1 Install.** Add the 5/16" battery bolt to the terminal and attach the TS1 Terminal to the BMS using the supplied stainless M6 flange head nut. Place the battery post washer on the negative terminal with the TS1 over it. Using a rubber mallet, tap the terminal to help it seat on the battery post. Tighten the 5/16" battery hardware once you're happy with terminal location. Leave grounds disconnected for now.

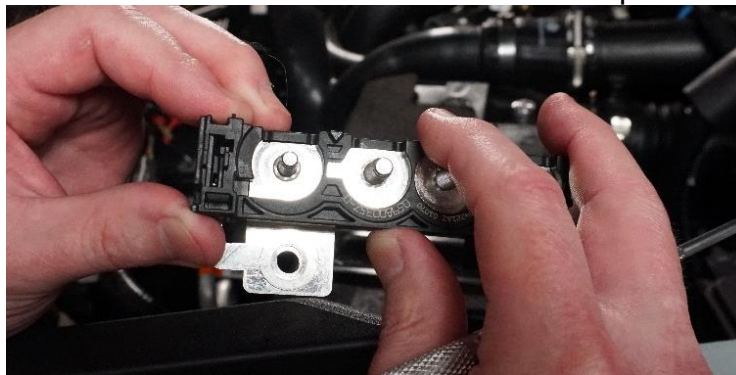


4. **Negative Distribution Block Install:** Remove the 12mm bolt securing the factory ground wire to the fender. Position the Negative Distribution Block and secure using supplied M8 Socket Head Bolt. Secure the factory ground wire to the 5/16" hole and attach any other accessories to the Negative Distribution Block.

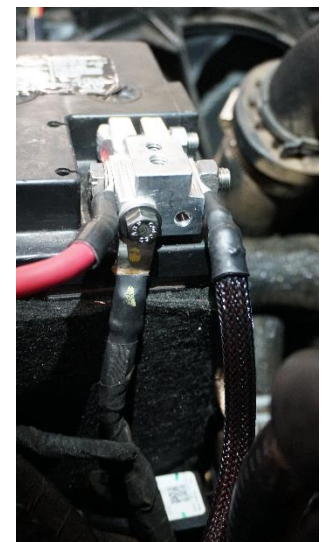
For questions or help with the installation, please email help@sdhqoffroad.com
Mon.–Fri. 8:00am–5:30pm and Sat. 9:00am–2:00pm Arizona Time. www.sdhqoffroad.com



5. **Positive Terminal Install:** The factory power distribution bar will need to be removed from the cover. To do so, disconnect any wires connected to the distribution bar and remove from the vehicle. Using small flat head screw drivers or similar tools, pry each clip from the cover and remove the power distribution bar. Reconnect all wires to the power distribution bar as found.



6. It is required to remove the fuse and de-pin the purple wire in order to remove the plastic casing. Once the fuse is removed, a small tang **highlighted in yellow** will be visible when looking into the connector cavity, use a pick or small screwdriver to gently pry on the tang to allow the terminal to slide out. Once the plastic case is removed, simply slide the terminal back into the connector and re-insert the fuse. An alternative method would be to cut the plastic casing to allow removal around the wire. For the factory wire circled in red, you will need to remove the loom tape attaching the wire to other wires and will need to bend the barrel connectors flat, this will give ample room for reattaching the bus bar. We recommend connecting everything to the bus bar and then sliding it over the terminal and attaching it with the supplied 1/4" SS Bolt.



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

7. **Install Continued:** Place the Red Post Washer and SDHQ Positive Battery Terminal on top of the positive battery post. Lightly tap on the top of the terminal using a rubber mallet to set it on the battery post. Tighten the 5/16" Battery Bolt and Nut using 1/2" wrenches on both to prevent damaging the battery post.
8. Connect any other accessories to the terminals as needed. Install the SDHQ Positive Terminal Boot. Connect the power distribution bar to the 1/4" hole on top of the positive battery terminal. Connect the factory ground wire to the BMS sensor. Tighten all hardware.



Torque Specifications

Torque the 1/4" – 20 bolts to 4 ft-lb. Torque the 5/16" – 18 bolts to 8 ft-lb. Torque the 3/8" – 16 hardware to 18 ft-lb.

*****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
Mon.–Fri. 8:00am–5:30pm and Sat. 9:00am–2:00pm Arizona Time. www.sdhqoffroad.com