



**SDHQ Motorsports**  
190 S McQueen Rd  
Ste 109 Gilbert, AZ 85233  
[www.SDHQoffroad.com](http://www.SDHQoffroad.com)

## Product Packing List

**Product:** SDHQ-11-3003-G4-SB

**Description:** 2020+ Ford Super Duty Billet Single Battery Terminal Kit

- |   |                    |
|---|--------------------|
| _____ (1) SDHQ Complete Billet Battery Terminal Kit | SDHQ-02-3003-C2    |
| _____ (2) SDHQ 1-2GA Lug & Heat Shrink              |                    |
| ○ Compression Lugs                                  | SDHQ-02-3802       |
| <u>OR</u>   |                    |
| ○ Solder Lugs                                       | SDHQ-02-3701       |
| _____ (1) SDHQ 16" Negative 6GA Battery to Body     | SDHQ-02-3002-U1-E  |
| _____ (1) Hardware Package                          | SDHQ-11-3003-G4-HP |
| _____ (4) Small Zip Ties                            |                    |
| _____ (1) Straight Aluminum Bracket                 |                    |
| _____ (1) 2GA - 2/0 Red Battery Boot                |                    |
| _____ (1) 3/8" - 16 x 3/4" S.S. Button Head Bolt    |                    |
| _____ (1) 3/8" - 16 S.S. Serrated Flange Nut        |                    |

Inspected and Packaged By: \_\_\_\_\_ Date: \_\_\_\_\_

For questions or help with the installation, please email [help@sdhqoffroad.com](mailto:help@sdhqoffroad.com)  
Mon.-Fri. 8:00am-5:30pm and Sat. 8:00am-3:30pm Arizona Time. [www.sdhqoffroad.com](http://www.sdhqoffroad.com)

Included in **SDHQ-02-3003-C2**:

- (1) SDHQ Billet Positive Battery Terminal
- (1) SDHQ Billet Negative Battery Terminal
- (1) SDHQ Negative Terminal Stud
- (1) Hardware Package
  - (1) Positive Battery Protective Boot
  - (1) Negative Battery Protective Boot
  - (1) Positive Terminal Post Washer
  - (1) Negative Terminal Post Washer
  - (2) 5/16" - 18 x 1 1/2" Battery Terminal Bolt
  - (2) 5/16" - 18 Battery Shoulder Nut
  - (4) 1/4" - 20 x 3/4" S.S. Hex Head Bolt
  - (4) 1/4" S.S. Washer
  - (2) 5/16" - 18 x 1" 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

SDHQ-02-3003-T2-P-Rev2  
SDHQ-02-3003-T2-N-Rev2  
SDHQ-02-3003-T2-A  
SDHQ-02-3003-T2-B



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## INSTALLATION INSTRUCTIONS

**Product:** SDHQ-11-3003-G4-SB

**Description:** 2020+ Ford Super Duty Billet Single Battery Terminal Kit



<b>Parts List</b>	<b>Hardware List</b>	<b>Required Tools</b>
(1) SDHQ Billet Battery Terminal Kit SDHQ-02-3003-C2 (2) SDHQ 1-2GA Lugs & Heat Shrink SDHQ-02-3802 <u>OR</u> SDHQ-02-3701 (1) 16" Negative 6GA Battery to Body Wire SDHQ-02-3002-U1-E (1) Hardware Package SDHQ-11-3003-G4-HP	(4) Small Zip ties (1) Aluminum Bracket (1) 2GA – 2/0 Red Battery Boot (1) 3/8" – 16 x 3/4" S.S. Button Head Bolt (1) 3/8" – 16 S.S. Serrated Flange Nut	7/16", 1/2", 9/16" Sockets 8mm Socket Ratchet 9/16" Wrench Pliers Rubber Mallet

### **Tech Notes**

Apply Anti-Seize to all hardware.  
 Fits 2020+ Ford F-250/350 with factory single batteries.  
 Cutting the factory terminals off is required.

#### 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.

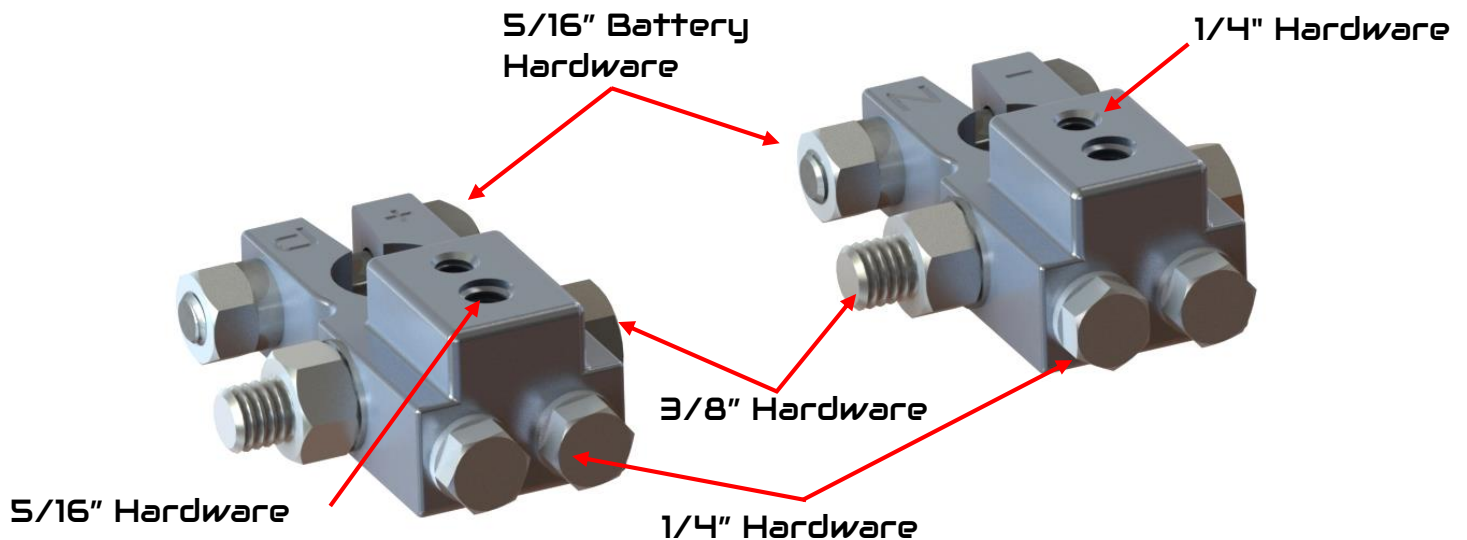
**Be cautious when tightening the Compression Lugs as the threads can strip.**

**Approx. Install Time: 30 Minutes**

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## SDHQ Positive Accessory Terminal

## SDHQ Negative Accessory Terminal



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

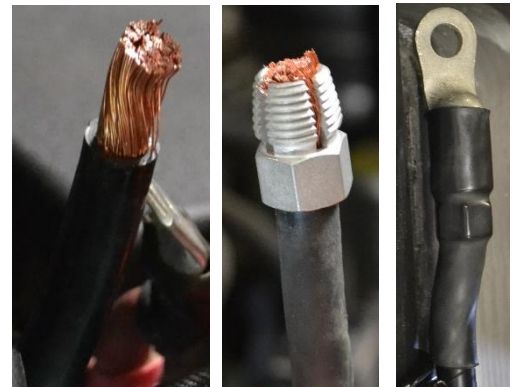
### Installation Instructions:

1. Unbox your SDHQ Battery Terminal Upgrade Kit and check over for all parts. Familiarize yourself with the parts.

2. **Removing the Terminals.** Remove all wires connected to the battery terminals, then remove both terminals from the battery. Set the negative terminal to the side and remove the positive terminals as shown to right.



3. **Installing Lugs.** Strip 1" of insulation off the positive wire and slide the heat shrink and red battery boot onto the positive wire. **Compression Lugs:** Slide compression end of the 1-2GA lug over the stripped positive wire. Using the 9/16" wrench and pliers, tighten the compression lug until it is snug. Be mindful of the orientation of the lugs for ease of wiring to the terminals. Be cautious not to over tighten as the threads can strip. **Solder Lugs:** Using pliers to hold the solder lug, practice holding the lug upright and placing the wire in cold solder. Once comfortable, heat the solder lug upright until liquid and hold wire in the solder lug until cool. Heat the 3" of heat shrink over the lug and wire.



4. Repeat Step 4 for the negative wire, removing the black/purple small battery to fender ground wire. This will be replaced with the supplied 16" Negative 6GA Battery to Body Wire.

5. **Installing Battery Terminals.** Install the SDHQ Built Complete Billet Battery Terminals (02-3003-C2) and post washers onto the battery. Lightly tap on the top of the terminals using a rubber mallet to set it on the battery post. Tighten the 5/16" Battery Bolt and Nut, using 1/2" wrench on both to prevent damaging the battery post.

6. Connect all negative wires to the negative terminal on the passenger side battery. Use the supplied aluminum bracket on the positive terminal 3/8" bolt to extend the mounting location for the power wire previously trimmed. Use the supplied 3/8" button head bolt and flange nut to secure the positive lug to the aluminum bracket. Connect all positive wires to the positive terminal on the passenger side battery. If you have dual alternators, the alternator wires can be flattened to simplify wiring.



7. Install the intake in the reverse order of Step 2. You have completed the SDHQ Ford Super Duty Battery Terminal Upgrade!

\*\*\*Double check all hardware is installed correctly and tight\*\*\*

\*\*\*Re-torque ALL bolts after 100 miles\*\*\*



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