



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

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## Product Packing List

**Product:** SDHQ-10-1141-AC

**Description:** 2015-current Ford F150/Raptor and 2017-current Ford F250+ Switch Pros Power Module Mount

_____ (1) SDHQ Power Module Mount	SDHQ-10-1141-AC-A
_____ (1) SDHQ Power Module Mount Bracket	SDHQ-10-1141-AC-B
_____ (1) Hardware Package	SDHQ-10-1141-AC-C
_____ (2) 1/4" - 20 x 3/4" S.S. Hex Head Bolt	
_____ (3) 1/4" S.S. Washer	
_____ (1) 1/4" x 1" S.S. Fender Washer	
_____ (2) 1/4" - 20 S.S. Nylock nut	
_____ (2) #8 S.S. SAE Washers	

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

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





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## INSTALLATION INSTRUCTIONS

**Product:** *SDHQ-10-1141-AC*

**Description:** 2015-current Ford F150/Raptor and 2017-current Ford F250+ Switch Pros Power Module Mount

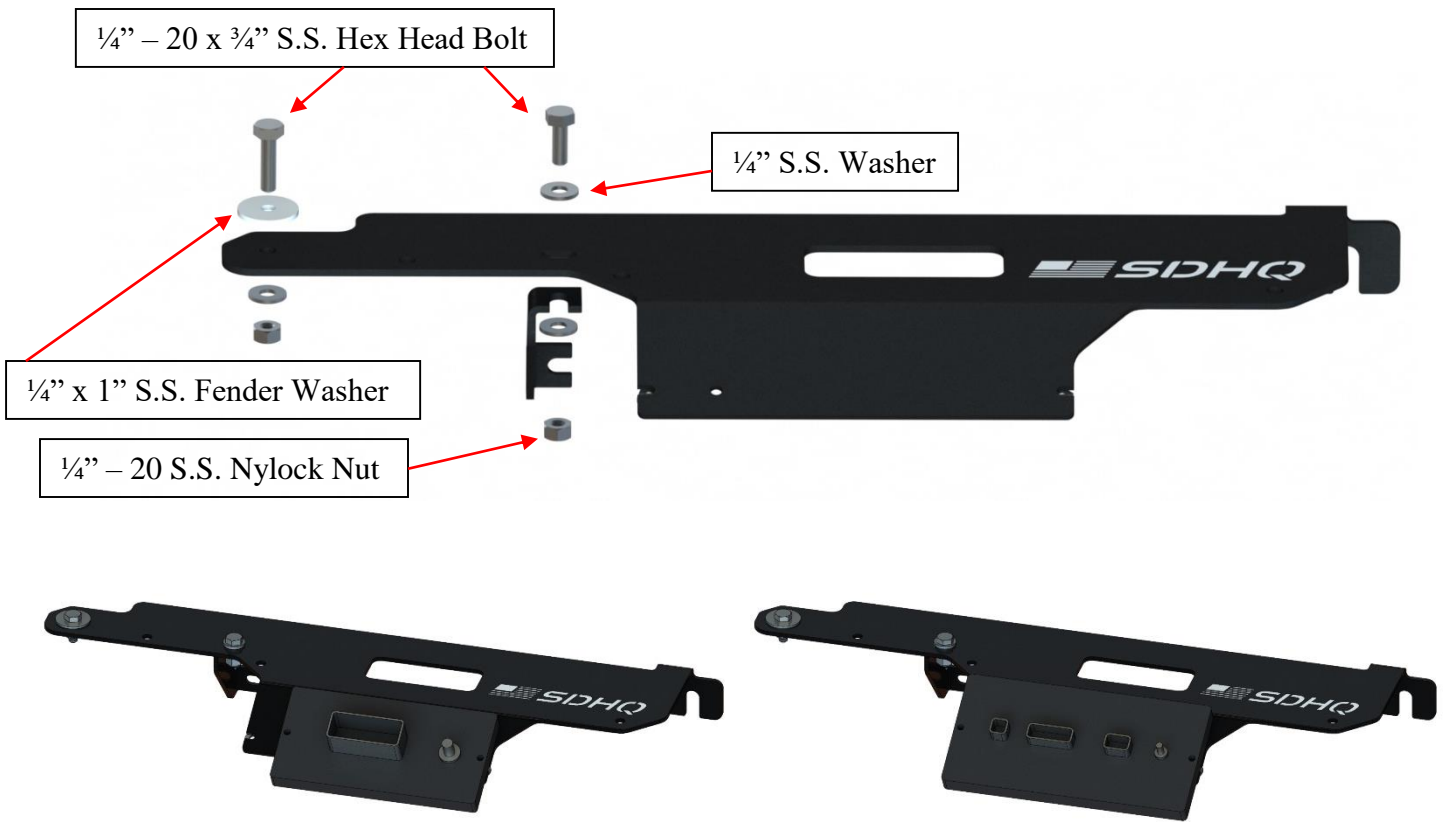


<b>Parts List</b>	<b>Hardware List</b>	<b>Required Tools</b>
(1) SDHQ Power Module Mount SDHQ-10-1141-AC-A (1) SDHQ Power Module Mount Bracket SDHQ-10-1141-AC-B (1) Hardware Package SDHQ-10-1141-AC-C	(2) 1/4" – 20 x 3/4" S.S. Hex Head Bolt (3) 1/4" S.S. Washer (1) 1/4" x 1" S.S. Fender Washer (2) 1/4" – 20 S.S. Nylock nut (2) #8 S.S. SAE Washers	7/16" Socket and Wrench 10mm Deep Socket 15mm Socket or Wrench Ratchet Wire Strippers 1/8" Hex Bit Panel clip removal tool

### **Tech Notes**

Use anti-seize on stainless steel hardware.  
 Adjust the battery as necessary for optimal fitment.  
 Make sure terminal crimps are tight to avoid damage and fire hazard.  
 Fits: 2015+ Ford F150, 2017+ Ford Raptor, 2017+ Ford F250/350/450/550  
**\*\*Approx. install time = 1 – 1 1/2 Hours (not including wiring)\*\***

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

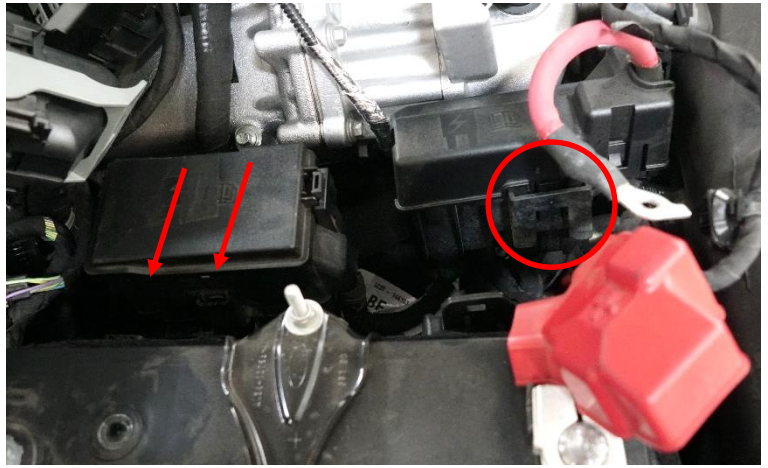
### **Installation Instructions:**

1. Unbox and verify all parts are accounted for. Familiarize yourself with the parts and the diagram above. Disconnect your battery (batteries for Superduty installs) before messing with the connections to the PCM
2. **Preparing your vehicle. Plastic cover removal.** Proceed to Step 6 if you do not have the plastic cover shown below. If you have the plastic cover shown below, you will need to remove it to access one of the mounting studs. Begin by removing the (x2) panel clips and harness connected to the top of the plastic cover. Remove the 15mm nut circled below.

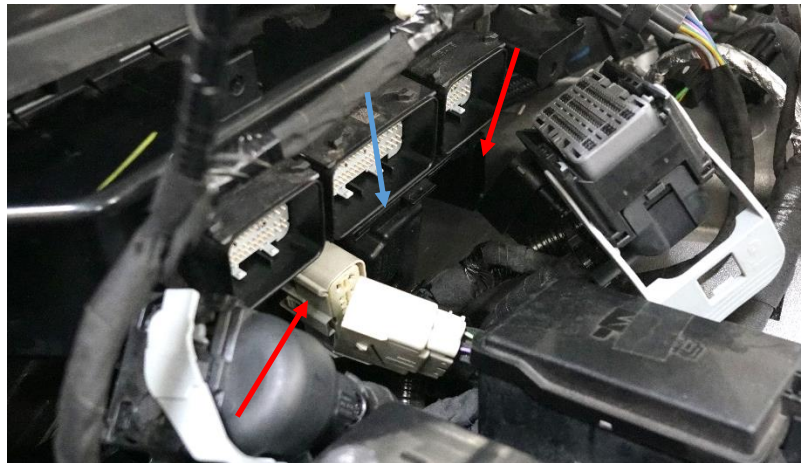


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3. If applicable, the fuse boxes clipped to the side of the battery box will need to be moved to allow enough space for removal of the plastic cover. Disconnect the 10mm nut securing the power wire from the fuse box. The cover for this fuse box will need to be opened to access a clip near the battery, circled right. Push in this clip and pull up to disconnect it from the battery box. Repeat this for the (2) clips securing the fuse box closer to the fire wall, arrowed at right.



4. Remove the (3) PCM connections. The grey handles are tabbed in place, push in the tab and rotate the handle. Below the PCM connectors are white and black electrical connections, arrowed at below. It may be easier to disconnect these. Remove the plastic panel those are connected to from the plastic cover by pressing the tab down, arrowed at right in blue.

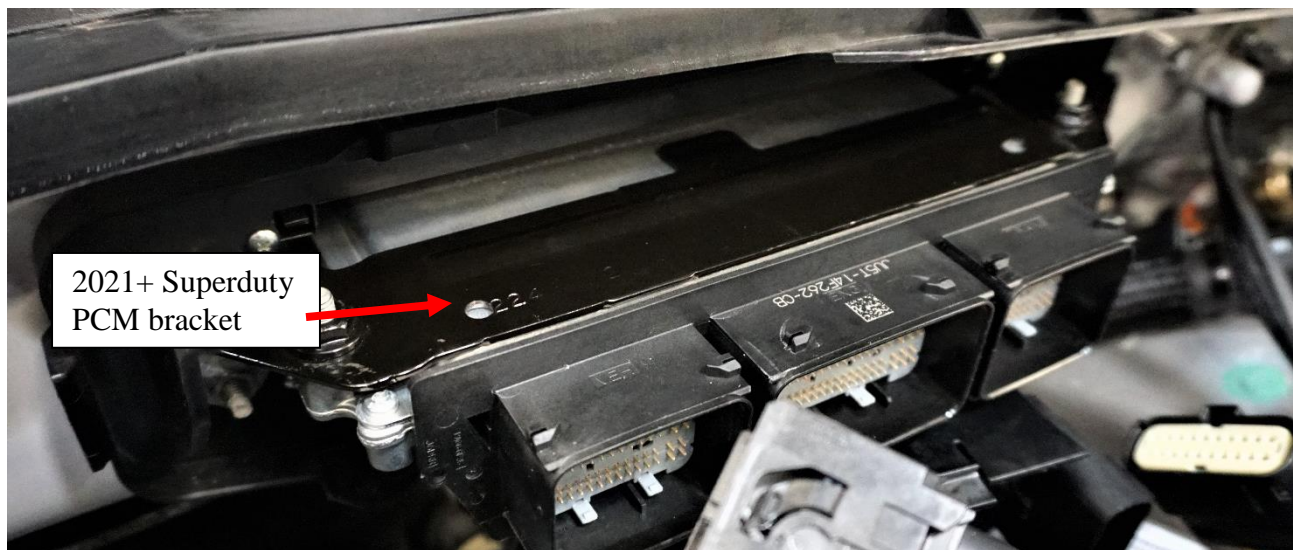


5. You are ready to remove the plastic cover now. There are (6) clips securing the plastic cover to the fire wall, (2) on top and bottom, (1) on both sides. Start on the passenger side and work your way towards the engine. Once unclipped, the fuse boxes and connectors will need to be adjusted such the plastic cover can be removed. Re-install all connections and fuse boxes.



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6. Use a 15mm socket or wrench to remove the nut circled in red below, leave the ground cable on the stud (reinstall if moved for plastic cover removal). Use a 10mm deep socket and ratchet to loosen the PCM nut circled in blue. This nut doesn't need to be completely removed. **Note:** Newer Superduties have a different bracket over the top of the PCM, install is the same with the exception of a slightly smaller amount of space (see below).



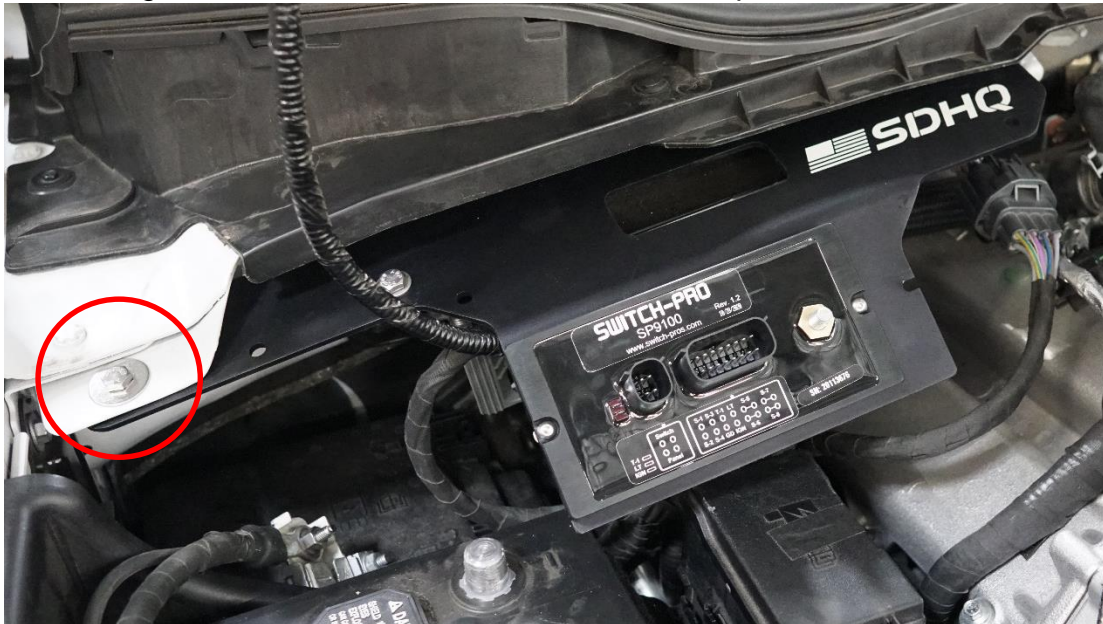
7. Slide the SDHQ Power Module Mount Bracket behind the PCM nut loosened in Step 6. Tighten this nut until the bracket doesn't fall. This will be tightened in a later step.



8. **Installing the Power Module to the SDHQ Mount.** Align the Switch Pros Power Module to the SDHQ Mount. Insert the Switch Pros Supplied bolts through the Power Module and Mount. Secure using the #8 S.S. SAE Washers supplied in this kit and the Switch Pros supplied nut. Use the diagrams shown below to align the Switch Pros Power Module.



- 9. Installing the SDHQ Power Module Mount.** Install the SDHQ Power Module Mount as pictured below; note the SDHQ Mount under the body panel, shown circled in red. Follow the diagram on Page 4 to secure the mount to the truck. Keep all hardware loose.



- 10.** Thread and tighten the 15mm nut onto the stud it was removed from in Step 2 or Step 6. Tighten the 10mm PCM nut. Tighten the 1/4" hardware with the fender washer, then the other 1/4" hardware.
- 11.** The install on your SDHQ Power Module Mount is complete! Now onto wiring. Enjoy!

## **Wiring:**

Once the Switch-Pros power module is mounted, but BEFORE it is connected to anything else, do the following:

1. Reinstall battery (if battery was removed during installation), and secure factory connections. Start vehicle and confirm that battery is properly installed, connected and grounded.
2. Connect the Switch-Pros Ground wire lug to the negative terminal on the battery (grounding elsewhere will not properly filter noise and will void your product warranty).
3. Plug the 16-pin harness into the power module; be sure it locks in.
4. Connect the red Battery Cable to the positive terminal on the battery. Tighten down both ends, to prevent lug from rotating and possibly causing friction or spark.

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

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



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