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

Product Packing List

Product: *SDHQ-13-1141-G12*

Description: 2009-2014 F-150/Raptor Switch Pros Power Module Mount

_____ (1) SDHQ Power Module Mount Plate   SDHQ-13-1141-G12
_____ (1) SDHQ 36" 4awg Power Cable Extension   SDHQ-02-1140-36
_____ (1) Hardware Package   SDHQ-13-1141-G12-A
     _____ (1) #8 S.S. SAE Washer

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

For questions or help with the installation, please call SDHQ Offroad @ 480-633-2929
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INSTALLATION INSTRUCTIONS

Product: *SDHQ-13-1141-G2*

Description: 2009-2014 F-150/Raptor Switch Pros Power Module Mount

Parts List	Hardware List	Required Tools
(1) SDHQ Power Module Mount **SDHQ**-13-1141-G12 **(1) SDHQ 36" 4GA Power Cable** **SDHQ**-02-1140-36 **(1) Hardware Package** **SDHQ**-13-1141-G12-A	**(1) #8 S.S. SAE Washer**	**10mm Deep Socket** **Ratchet** **10mm Wrench**

Tech Notes
*** Fits both 2009-2014 F-150 and Raptor models***   Make sure terminal crimps are tight to avoid damage and fire hazard.   Switch Pros Power Module uses Switch Pro hardware to mount.   Fits Switch Pros SP-9100 or RCR-Force-12 Power Modules.   **Approx. Install Time: 30 minutes (not including wiring)**

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

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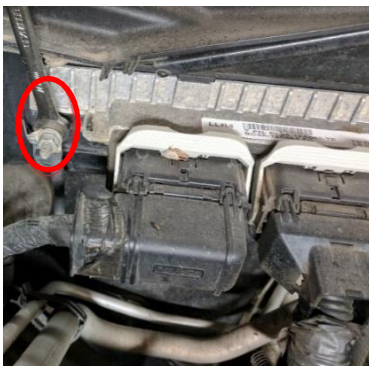
Installation Instructions:

1. Unbox all parts and familiarize yourself with them.

2. **Power Cable Extension.** In order to reach the battery, you will need to extend the Switch Pros power cable. First, remove the cover on the inline fuse to expose the (2) nylock nuts. Then, remove and discard the longer Switch Pros power cable. Using your new SDHQ 36" extended power cable, connect the smaller diameter terminal to the inline fuse and **torque to 5Nm (or 45 in-lbs)**. Lastly, **replace the cover on the inline fuse**.

3. Align the Switch Pros Power Module onto the SDHQ Mount. Insert the Switch Pros supplied bolts through the Power Module and the SDHQ Mount. Install the supplied #8 S.S. SAE Washer on the back side of the slot and secure the Power Module to the Mount using Switch Pros supplied nuts. Install the SDHQ 36" 4GA Power Cable Extension from Step 2.
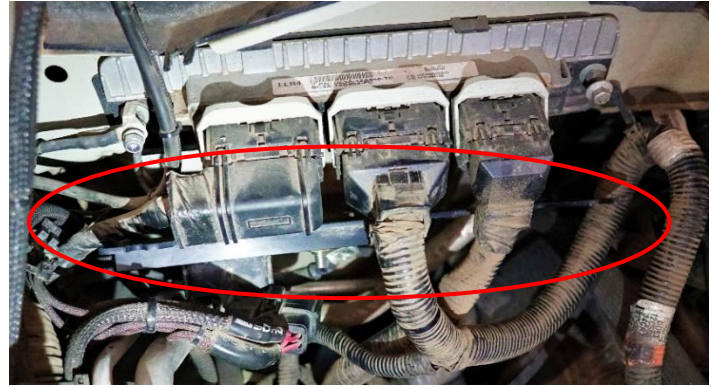

4. Locate the Power Control Module (PCM) inside of the engine bay on the passenger side of the firewall. There are two bolts on either side of the PCM that will need to be loosened to install the Mount. The outside bolt also has a wire and nut attached that will need to be removed. To do this, use the 10mm wrench and place it on the bolt closer to the firewall. Then using the 10mm deep socket and ratchet, remove the bolt and wire. Now the bolts on either side of the PCM can be loosened.

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5. Install the Power Module Mount. It is a tight fit and will need some patience, but it can be installed without unplugging any of the wire harness. Pictured below is the way it's been installed previously. In the second picture, the mount is pushed down towards the ground and then slid up behind the nuts.

6. Tighten down the bolts that hold the Power Module Mount. Place the wire back on top of the bolt and tighten the nut back down. Now the wiring can be ran.

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. Using your now extended cable, refer to the **Switch Pros** installation instructions for further wiring procedure.

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Double check all hardware is installed correctly and tight

Re-torque <u>ALL</u> bolts after 100 miles

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