



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

Product Packing List

Product: SDHQ-54-1660-G5

Description: 2014+ 4Runner Warn Winch Relocation Kit

- _____ (1) Control Box Relocation Bracket SDHQ-54-1660-G5-A
- _____ (1) Hardware Package SDHQ-54-1660-G5-B
- _____ (1) SDHQ Zeon Relocation Wiring Kit (SDHQ-02-1660-[A, F1, F2])
- _____ (1) 4 Pin Plug Extension (48")
- _____ (3) 8-2 AWG Battery Terminal Boots
- _____ (7) ¼" ID x ½" OD x 5/16" T Nylon Control Box Spacers
- _____ (2) ¼" Push In Zip Ties
- _____ (4) Edge Clip Zip ties
- _____ (5) 8" Zip Ties
- _____ (3) ¼" - 20 x 1" S.S. Countersunk Bolts
- _____ (3) ¼" - 20 S.S. Serrated Locknuts
- _____ (4) M6 - 1.0 x 16mm Button Head Bolts
- _____ (4) M5 - 0.8 x 16mm Button Head Bolts
- _____ (1) 4" Ground Extension with heat shrink
(14 awg, 5/16" ring terminal, 14-16 butt connector)

Inspected and Packaged By: _____ Date: _____



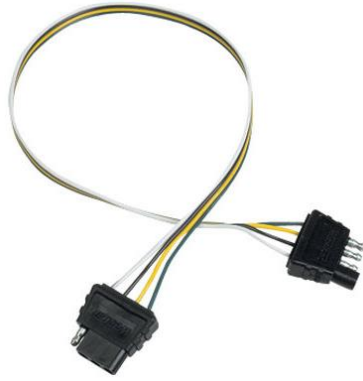
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INSTALLATION INSTRUCTIONS

Product: *SDHQ-54-1660-G5*

Description: 2014+ 4Runner Warn Winch Relocation Kit

*****This kit is only needed if you are using a Warn Winch*****



Parts List	Hardware List	Required Tools
(1) Control Box Relocation Bracket SDHQ-54-1660-G5-A (1) Hardware Package SDHQ-54-1660-G5-B	(3) 20" 4AWG Cables (A, F1, F2) (1) 4 Pin Plug Extension (48") (3) Battery Terminal Boots (4) Control Box Spacers (2) Push In Zip Ties (4) Edge Clip Zip Ties (5) 8" Zip Ties (3) 1/4" – 20 x 1" S.S. Countersunk Bolts (3) 1/4" – 20 S.S. Serrated Locknuts (4) M6 – 1.0 x 16mm Button Head Bolts (4) M5 – 0.8 x 16mm Button Head Bolts (1) 4" Ground Extension with heat shrink	7/16" socket/ratchet 1/2" socket/wrench 13mm socket/wrench 15mm socket/wrench T25 Torx bit 4mm allen wrench T30 Torx bit

Tech Notes

This kit is designed specifically for the Warn Winches.
 Make sure all wiring is free from abrasion and pinching.

*****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. Open your Warn Winch, SDHQ Winch Mount System, and layout all parts and hardware (on a clean table). Check to make sure you are not missing any parts and that there is no damage.
2. Remove the black terminal cover on the top of the winch with your T25 Torx, remove the (3) ½” nuts and washers underneath, and set aside for future use. **For Warn VR Winches**, unbolt the (3) power wires and ground wire from the back of the winch.



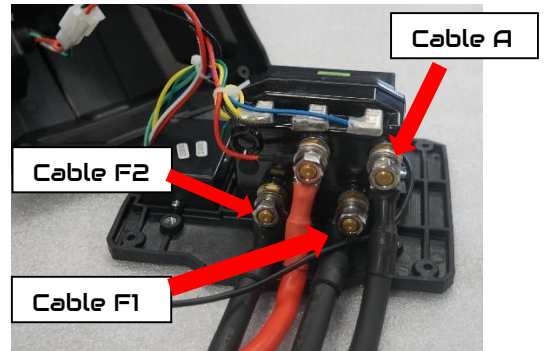
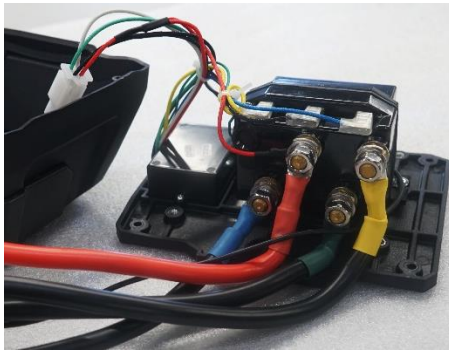
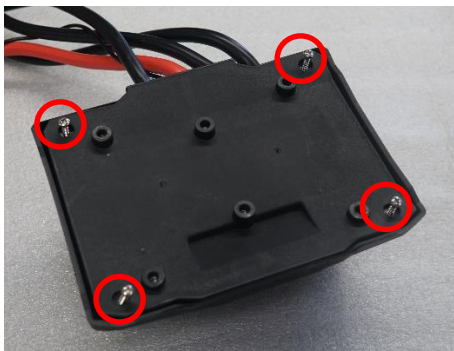
3. Next remove the 13mm bolt securing the small ground wire that goes to the control box, the 4 wire connector, and the (4) T30 Torx head screws that hold the control box to the winch. Remove control box from winch and discard the screws.



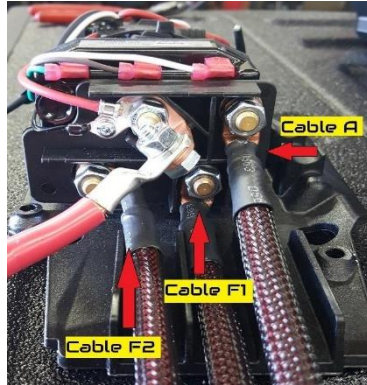
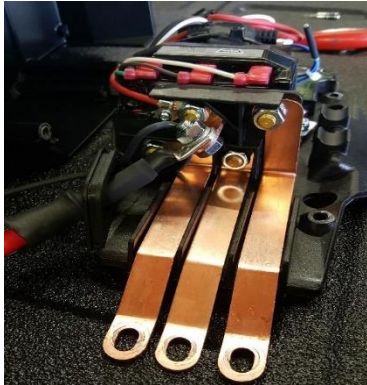
4. Remove the (4) T30 Torx head screws that hold the control box cover to base plate, remove control box cover and set aside. **For Warn VR Winches**, remove the (4) Philips screws holding the cover to the control box. Take off the VR Control box cover, leaving the wire connector attached to the cover, shown in Step 5.

5. Take note that the (3) terminals on the control box solenoid are in line with the (3) terminals on the winch. The cables are labeled for the corresponding connections. Starting from the top, remove the copper strip and replace with the cable provided in the SDHQ Zeon Relocation Kit. Take note that the bent terminal goes to the control box solenoid and the straight terminal goes to the winch (the provided rubber terminal boots go on the winch side). Repeat this step for the other two terminals, making sure that the cables are connected in the same order as the copper strips were.

VR Series Winch



Zeon Series Winch



6. Reassemble the control box, reversing step 4. Attach the control box to the mount using the supplied (4) spacers and M6 or M5 (for Evo Winches) hardware. Plug in the supplied 4 pin harness extension and secure using the (2) push in zip ties that will attach to the top of the winch. Connect the (3) power cables to the correct posts on the winch.

7. Mount your control box to the winch mount with the (3) provided 1/4" bolts, spacers and locknuts and rubber sealing washers.



8. It's necessary to extend the control box ground. Using the provided 4" ground extension, cut the end of the warn ground wire off near the ring terminal. Strip the cut wire back, slide the provided heat shrink over the wire, position the butt connector over the wire and crimp. Cover the butt connector with the heat shrink. Reattach the ground wires to the winch.



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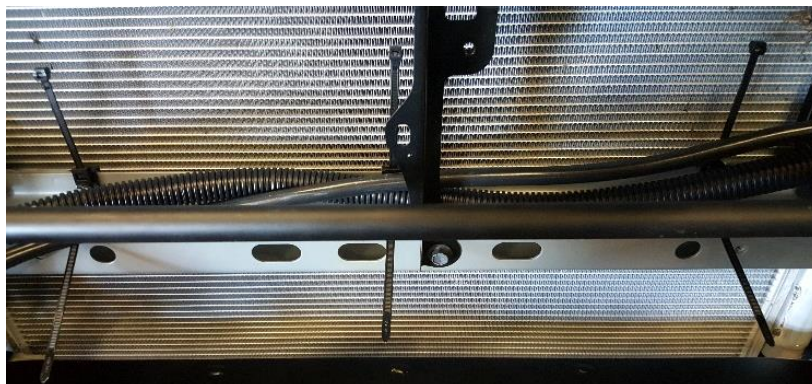
9. Install your winch to the Winch Mount. Make sure to connect the motor ground and control box ground to the winch before bolting the winch down because it is difficult to reach once bolted down. Use the rear (2) winch bolts to install the Lower Bumper Bracket.



10. Install the Battery Terminal Boot onto the flat ring terminal end on all three wires. Connect the (3) power cables to the correct posts on the winch. Plug in the 4 pin extension harness (if applicable) into the back of the control box and secure using the (3) push in zip ties that will attach to the back of the winch mount in the provided holes.



11. Use the provided edge clip zip ties to secure the wiring along the core support and behind the headlight up to the battery.





12. You are now ready to finish the installation of your SDHQ Winch Mount System! Please refer back to your Toyota 4Runner/GX Winch Mount Instructions.

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

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



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