



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

Product Packing List

Product: SDHQ-55-1660-G3

Description: '16-'23 Tacoma Warn Winch Relocation Kit

| | | |
|-------|--|-------------------|
| _____ | (1) Control Box Relocation Bracket | SDHQ-55-1660-G3-A |
| _____ | (1) Control Box Mounting Bracket | SDHQ-55-1660-G3-B |
| _____ | (1) Hardware Package | SDHQ-55-1660-G3-C |
| _____ | (1) SDHQ Zeon Relocation Wiring Kit (SDHQ-02-1660-[A, F1, F2]) | |
| _____ | (1) 4 Pin Plug Extension (12") | |
| _____ | (3) 8-2 AWG Battery Terminal Boots | |
| _____ | (5) 8" Zip Ties | |
| _____ | (2) ¼" Push In Zip Ties | |
| _____ | (3) Edge Clip Zip Ties | |
| _____ | (1) ¾" Loom Clamp | |
| _____ | (4) ¼" ID x ½" OD x 5/16" T Nylon Control Box Spacers | |
| _____ | (4) M6 - 1.0 x 20mm S.S. Hex Head Bolts | |
| _____ | (4) M5 - 0.8 x 20mm S.S. Hex Head Bolts | |
| _____ | (4) M6 SS Washers | |
| _____ | (3) ¼" - 20 x ¾" Bolts | |
| _____ | (1) ¼" - 20 Lock Nuts | |
| _____ | (4) ¼" Flat Washers | |
| _____ | (2) ¼" - 20 x 17/32" Nutclips | |

Inspected and Packaged By: _____ Date: _____

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.



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INSTALLATION INSTRUCTIONS

Product: *SDHQ-55-1660-G3*

Description: '16-'23 Tacoma Warn Winch Relocation Kit



| <u>Parts List</u> | <u>Hardware List</u> | <u>Required Tools</u> |
|---|--|---|
| (1) Control Box Relocation Bracket SDHQ-55-1660-G3-A (1) Control Box Mounting Bracket SDHQ-55-1660-G3-B (1) Hardware Package SDHQ-55-1660-G3-C | (3) 20" 4AWG Cables (A, F1, F2) (1) 12" 4 Pin Plug Extension (3) Battery Terminal Boots (5) 8" Zip Ties (2) 1/4" Push In Zip Ties (3) Edge Clip Zip Ties (4) Control Box Spacers (4) M6 - 1.0 x 20mm Bolts (4) M5 - 0.8 x 20mm Bolts (4) M6 SS Washers (3) 1/4" - 20 x 3/4" Bolts (1) 1/4" - 20 Lock Nuts (4) 1/4" Flat Washers (2) 1/4" - 20 x 17/32" Nutclips | 10mm socket/wrench 13mm socket/wrench 15mm socket/wrench 1/2" socket/wrench T25 Torx bit T30 Torx bit Flush cut pliers Wire crimpers |

Tech Notes

This kit is designed specifically for the Warn Zeon and VR series winches.
 Make sure all wiring is free from abrasion and pinching.

VR Series winches do not use the 4 pin plug extension included in this kit

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

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Installation Instructions:

1. Open your Zeon/VR Winch, SDHQ Winch Mount System, and layout all parts and hardware (preferably on a clean table). Check to make sure you are not missing any parts or hardware and that there is no damage to any pieces. This will aid in an organized painless installation and help to familiarize you with the parts and hardware.
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 winch users**, unbolt the 3 power wires and ground wire from the back of the winch



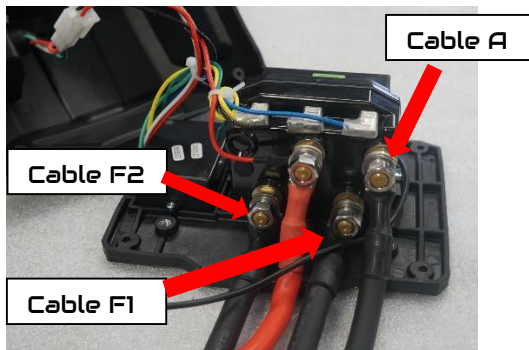
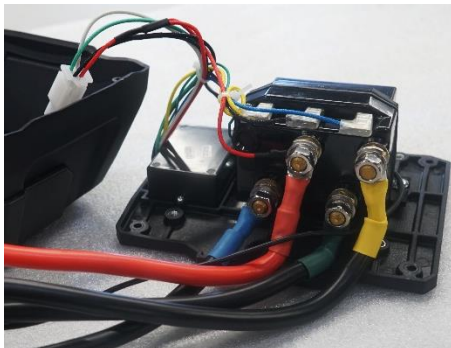
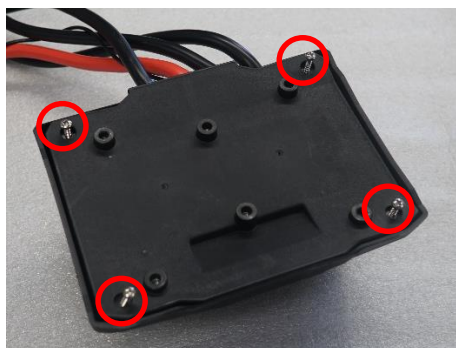
3. Next remove the 13mm bolt securing the small ground wire that goes to the control box, the 4 wire connector for the Zeon series, and the (4) T30 Torx head screws that hold the control box to the winch. Remove control box from winch and discard screws.



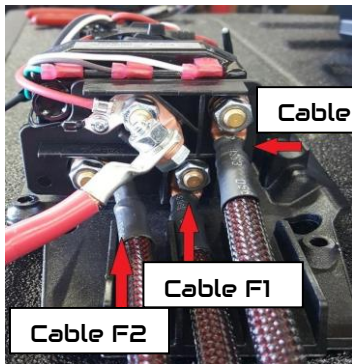
4. Remove the (4) T30 Torx head screws that hold the control box cover to base plate, remove control box cover and set aside. **(For VR Series Winches)**, remove the (4) Philips screws holding the cover to the control box. Take off the VR control box cover, leaving the wire connector attached to the 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/VR Control Box Relocation Kit. Take note that the bent terminal goes to the control box solenoid and the straight terminal goes to the winch (the provided battery 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



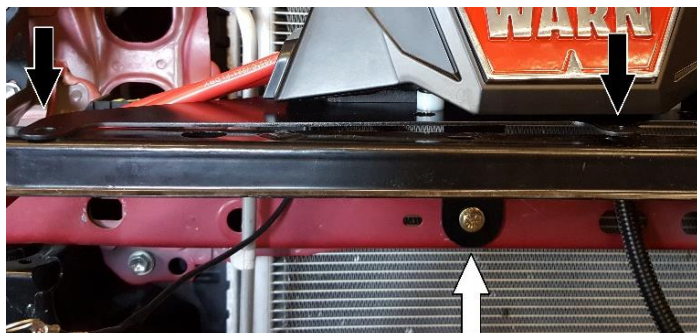
Zeon Series Winch



6. Reassemble the control box, reversing step 4. Attach control box to the mount as pictured using the supplied M6/M5 hardware and spacers. 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.

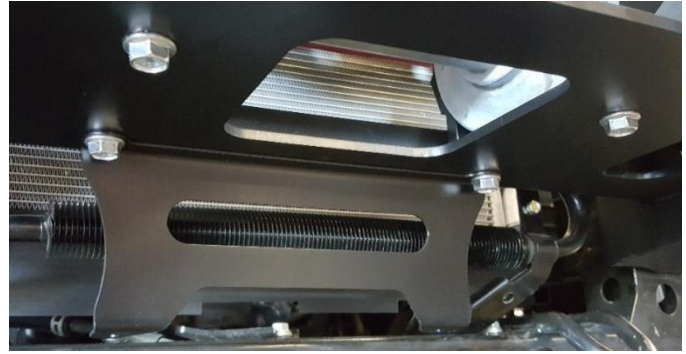


7. Mount your control box to the truck with (1) 1/4" bolt, (2) washers and (1) lock nut, leaving the front 2 open until you are ready to install your bumper skin. Place the Control Box Mounting Bracket with the nutclips as shown below. Use the factory press in clip to hold the bracket in place.



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8. 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.



9. Connect the 3 power cables to the correct posts on the winch. Plug in the 4 pin extension harness into the back of the control box.

10. Use the provided clamps and zip ties to wire your winch according to the manufactures recommendations. Use the factory 10mm bolt to mount the Del clamp and wiring as shown. Use the edge clip zip ties to prevent the wires from chaffing as shown.



11. You are now ready to finish the installation of your SDHQ Winch Mount System! Please refer back to your Toyota Tacoma Winch Mount Instructions.

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*****Double check all hardware is installed correctly and tight***
Re-torque ALL bolts after 100 miles**



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