



SDHQ Offroad Racing
1720 W Elliot Rd
Gilbert, AZ 85233

Phone: 480-633-2929 | Fax: 480-633-1791

Product Packing List

Product: SDHQ-13-1660-G13

Description: Supplemental Warn Zeon Winch Kit for the 2015-2017 Ford F-150 Winch Mount System

- | | |
|--|--------------------|
| _____ (1) Zeon Control Box Mount | SDHQ-13-1660-G13-A |
| _____ (1) Hardware Package | SDHQ-13-1660-G13-B |
| _____ (1) 3/8" - 16 x 1 1/4" Grade 8 Bolts | |
| _____ (1) 3/8" - 16 Grade 8 Lock Nuts | |
| _____ (2) 3/8" Grade 8 Washers | |
| _____ (1) M6 - 1.0 x 20mm Bolts | |
| _____ (2) M6 - 1.0 x 30mm Bolts | |
| _____ (3) 1/4" Washers | |
| _____ (3) 5/16" Nylon Spacers (0.5" OD x 0.25" ID) | |
| _____ (3) Battery Terminal Boots | |
| _____ (10) Zip Ties | |
| _____ (1) <u>A</u> Cable (20" 4AWG) | SDHQ-02-1660-A |
| _____ (1) <u>F1</u> Cable (20" 4AWG) | SDHQ-02-1660-F1 |
| _____ (1) <u>F2</u> Cable (20" 4AWG) | SDHQ-02-1660-F2 |

Inspected, Packaged and Shipped By: _____ Date: _____

For questions or help with the installation, please call SDHQ Offroad @ 480-633-2929
Mon.-Fri. 8:00am-5:30pm and Sat. 8:00am-3:30pm Arizona Time. www.sdhqoffroad.com



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INSTALLATION INSTRUCTIONS

Product: *SDHQ-13-1660-G13 Zeon Kit*

Description: Supplemental Warn Zeon Winch Kit for the 2015-2017 Ford F-150 Winch Mount System (SDHQ-13-1650-G13)

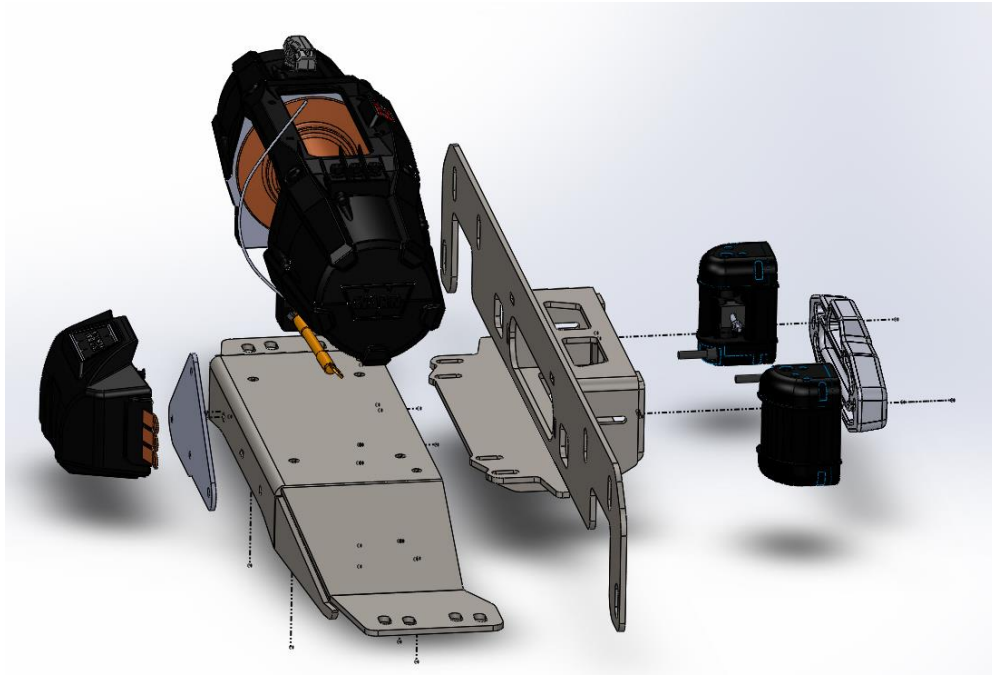


<u>Parts List</u>	<u>Hardware List</u>	<u>Required Tools</u>
(1) Zeon Control Box Mount SDHQ-13-1660-G13-A (1) Hardware Package SDHQ-13-1660-G13-B (1) <u>A</u> Cable (20" 4awg) SDHQ-02-1660-A (1) <u>F1</u> Cable (20" 4awg) SDHQ-02-1660-F1 (1) <u>F2</u> Cable (20" 4awg) SDHQ-02-1660-F2	(1) - 3/8"-16 x 1.25" Grade 8 Bolts (1) - 3/8"-16 Grade 8 Lock Nuts (2) - 3/8" Grade 8 Washers (1) - M6-1.0 x 20mm Bolts (2) - M6-1.0 x 30mm Bolts (3) - 1/4" Washers (3) - 5/16" Nylon Spacers (.5" OD x .25" ID) (3) - Battery Terminal Boots (10) - Zip Ties	10mm Socket/Wrench 9/16" Wrench/Socket T30 + T25 Torx Cutting Tool for Zip Ties

Tech Notes

- *Designed for the Warn Zeon Platinum Series Winch
- *This Kit Only Works With P/N: **SDHQ-13-1650-G13** When Used With **Warn Zeon Series Winches**
- *This Supplemental Installation Kit is to be Installed **BEFORE** Installing SDHQ Winch Mount
- *Make sure all wiring is free from abrasion or pinching

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

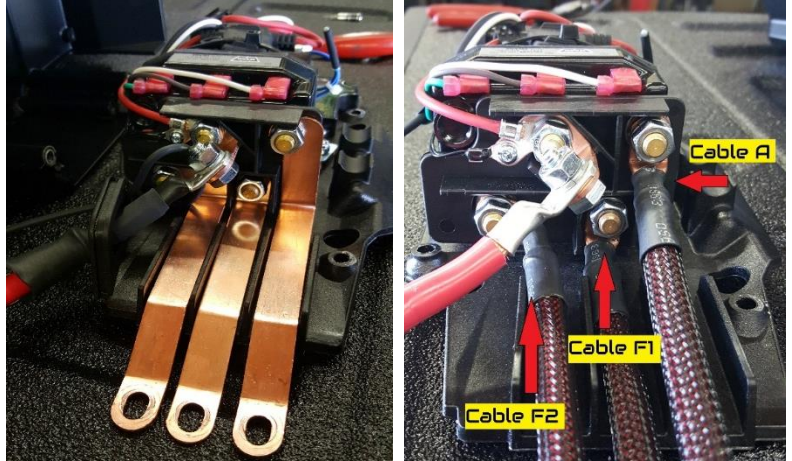
Installation Instructions:

1. Un-box Your Zeon Winch and SDHQ Winch Mount System and layout all Parts and Hardware (preferably on a clean table). This will aid in an organized painless Installation and help to familiarize yourself with the Parts and Hardware.
2. Remove the black terminal cover on the top of the winch with your T25 Torx , and remove the 3 Nuts and Washers underneath, set aside for future use



3. Next, remove the small ground wire that goes to the Control Box, the (4) wire connector, and the (4) T30 torx head screws that secure 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.

5. Take note that the (3) terminals on the Control Box Solenoid are in line with the (3) terminals on the Winch. Starting from the top remove the copper strip and replace with one of the (3) cables 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 and leaving the Winch terminal nuts loose will aid in next steps). Repeat this step for the other (2) terminals, making sure that the cables are connected in the same order as the copper strips were.



6. Reassemble the Control Box, reversing step 4.
7. Using the supplied M6-1.0 x 20mm Bolt and Washer with the Nylon Spacer between Control Box and Mounting Plate attach Relocation bracket to Control Box as Pictured, only start the threads do not tighten yet.



8. Now we will attach the Winch to the Winch Mount using the hardware supplied with the Winch. Lay the Winch on its side, insert the square nuts provided with the winch into the bottom of the winch. For the back side (side with the flange that the Control box will attach to, we will be using the standard length bolts supplied (there should be (4) of them but we will only use (2)). For the front side we will be using the (2) longer bolts supplied for use with a fairlead, as these will bolt through the fairlead Mount, Winch Mount and the Winch. Line up the holes and hand tighten the bolts for now.



9. Now we will attach the Relocation Bracket and Control Box to the Winch Mount. Using the supplied 3/8"-16 x 1.25" Grade 8 Bolt, bolt the Relocation Bracket through the hole on the right side. Then using the (2) M6-1.0 x 30mm bolts and washers and Nylon Spacers, thread into the Control box through the other (2) holes with the Spacers between the Control Box and Mount Plate.



10. Tighten the 3/8" bolt first, then evenly snug down the (3) 6mm bolts to approx. 7 ft-lbs.

11. Adjust the (3) cables as needed to route cleanly from the Control Box to the Winch. Tighten the (3) terminal nuts and slide the terminal covers over. Reinstall control Box ground to winch and reconnect the (4) wire connector from the Winch to the Control Box. Zip-tie the cables together with provided Zip-ties.



12. Now we are prepped and ready to move on to the Install!

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

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



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