



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

Product Packing List

Product: SDHQ-54-1650-G5

Description: 2010+ 4Runner Stock Bumper Winch Mount

_____ (1) Winch Mount	SDHQ-54-1650-G5-A
_____ (2) Support Brackets w/ Recovery	SDHQ-54-1651-G5-A
_____ (2) Side Load Support Brackets	SDHQ-54-1651-G5-B
_____ (1) Lower Bumper Bracket	SDHQ-54-1650-G5-C
_____ (1) Hardware Package	SDHQ-54-1650-G5-D
_____ (2) ½" - 13 x 3" Grade 8 Bolt	
_____ (2) ½" - 13 Grade 8 Lock Nut	
_____ (4) ½" Grade 8 Washer	
_____ (4) 3/8" - 16 x 1 ½" Grade 8 Bolts	
_____ (4) 3/8" - 16 Grade 8 Lock Nuts	
_____ (8) 3/8" Grade 8 Flat Washers	
_____ (3) ¼" - 20 x ¾" Grade 8 Bolts	
_____ (3) ¼" - 20 Grade 8 Lock Nuts	
_____ (3) ¼" Grade 8 Flat Washers	
_____ (3) ¼" ID x 1 ¼" OD Fender Washers	
_____ (2) M12 - 1.25 x 35mm Bolts	
_____ (2) M12 Flat Washers	
_____ (2) M10 - 1.25 x 35mm Flange Head Bolts	
_____ (3) Hawse Fairlead Cut Templates	SDHQ-54-1650-G5-E

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.

2014+ Lexus GX 460 (SDHQ-56-1650-150)



2010+ Toyota 4Runner (SDHQ-54-1650-G5)



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INSTALLATION INSTRUCTIONS

Product: *SDHQ-54-1650-G5*

Description: *2010+ 4Runner stock bumper winch mount*



<u>Parts List</u>	<u>Hardware List</u>	<u>Required Tools</u>
(1) Winch Mount SDHQ-54-1650-G5-A (2) Support Brackets w/ Recovery SDHQ-54-1651-G5-A (2) Side Load Support Brackets SDHQ-54-1651-G5-B (1) Lower Bumper Bracket SDHQ-54-1650-G5-C (1) Hardware Package SDHQ-54-1650-G5-D (3) Hawse Fairlead Cut Templates SDHQ-54-1650-G5-E	(4) 3/8" - 16 x 1 1/2" Bolts (4) 3/8" - 16 Lock Nuts (8) 3/8" Flat Washers (3) 1/4" - 20 x 3/4" Bolts (3) 1/4" - 20 Lock Nuts (3) 1/4" Flat Washers (3) 1/4" x 1 1/4" Fender Washers (2) M12 - 1.25 x 35mm Bolts (2) M12 Flat Washers (2) 1/2" - 13 x 3" Grade 8 Bolt (2) 1/2" - 13 Grade 8 Lock Nut (4) 1/2" Grade 8 Washer	7/16" socket/wrench 9/16" socket/wrench 3/4" socket/wrench 10mm socket/wrench 13mm socket/wrench 14mm socket/wrench 17mm socket/wrench -Sufficient tools for cutting bumper plastic and sheet metal; body saw, hole saw, files etc.

Tech Notes

Fits all models of 4Runner (Limited included). All GX 470 models and 13+ GX 460 models require additional parts. Some cutting of the factory bumper is required. Includes template for Hawse cut out.

Replaces factory aluminum bumper mount.

If using a Warn Zeon or Evo, the "Zeon/Evo Relocation Kit" is required, Part# 54-1660-G5

Approx. Install Time = 4-6 Hours

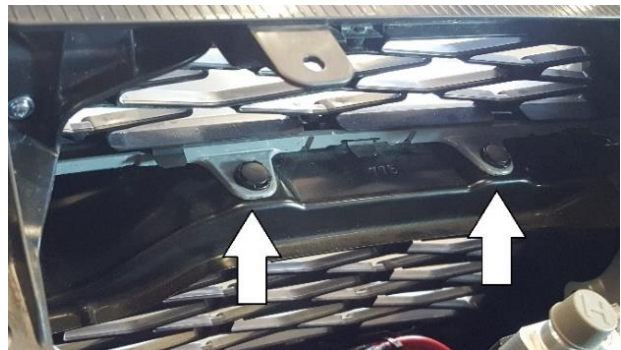
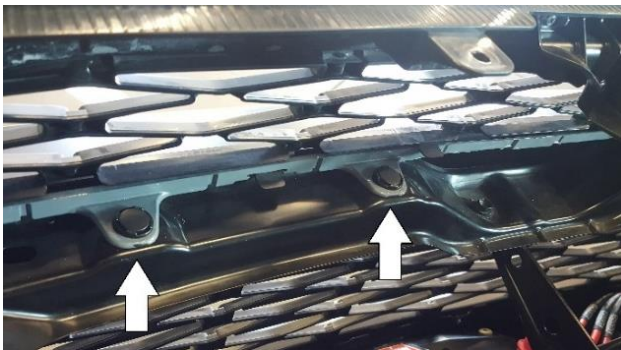
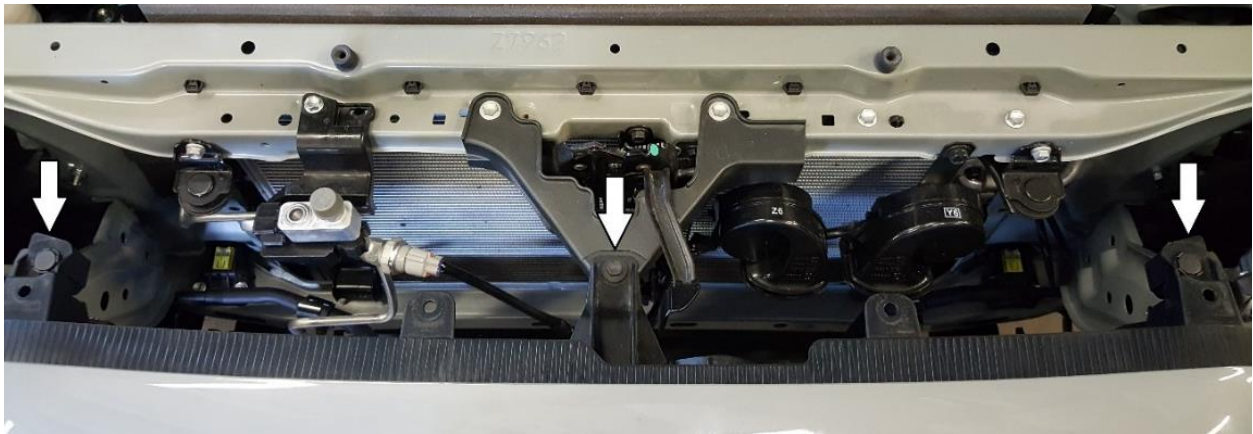
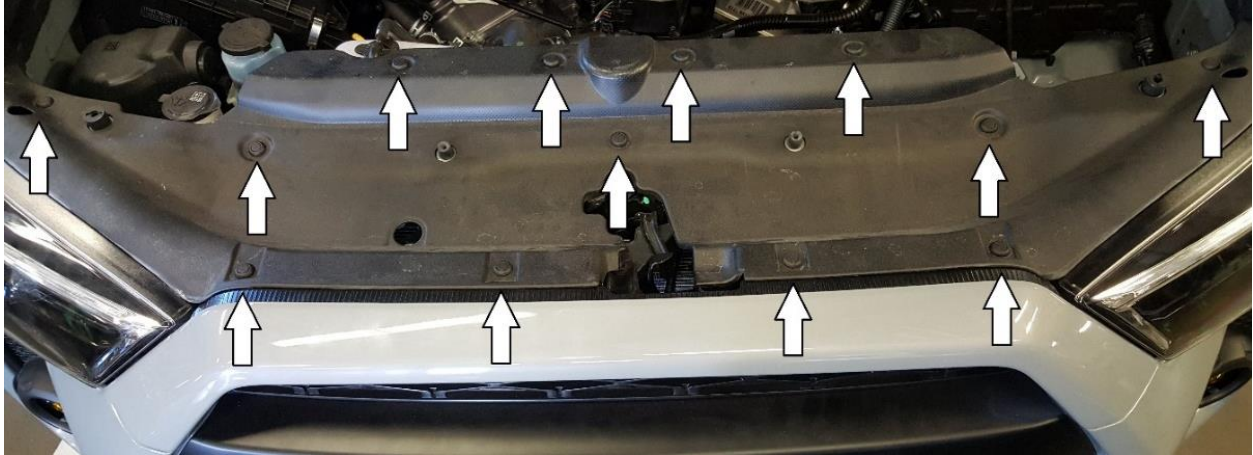
READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION!

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Installation Instructions:

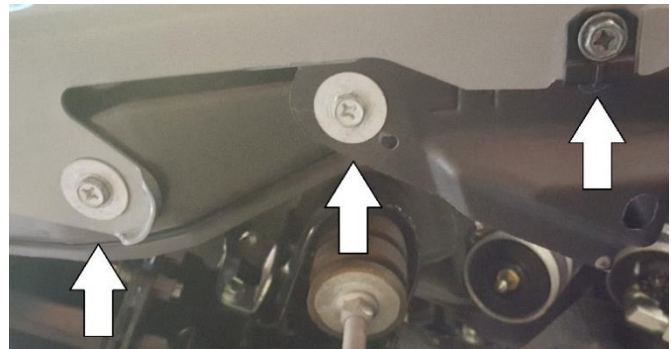
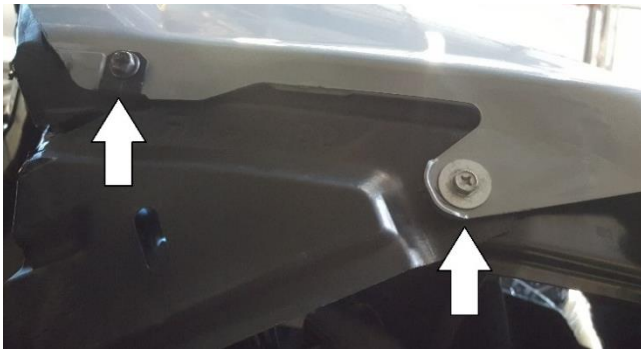
1. Removing the factory grille and bumper. Start with the plastic cover on top, remove all of the plastic clips by pressing the center button. This will release the clip so you can pull it out. Then remove the (2) clips and (1) 10mm bolt holding the top of the grille. Finally, remove the (4) clips holding the upper section of the back of the grille on. GX 460 models are very similar, see pictures below for reference.



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2. Removing the factory front bumper:

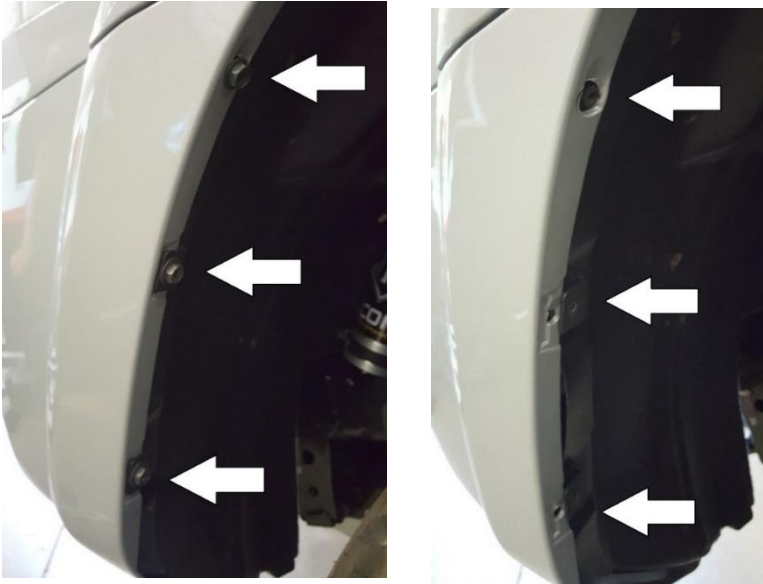
The grille and bumper are attached and will come out as an assembly. Unplug your factory fog lamps (**not necessary for GX 460**). Remove the 10mm bolts holding the front of your inner fenders to the bottom of the bumper, and the lower center section of the bottom of the bumper. Also remove the front skid plate completely. **GX 460** models are the same but there will be an additional 6-pin connector on the driver side and a headlight washer line on the passenger side behind the fog light (if equipped) that will need to be disconnected as well.



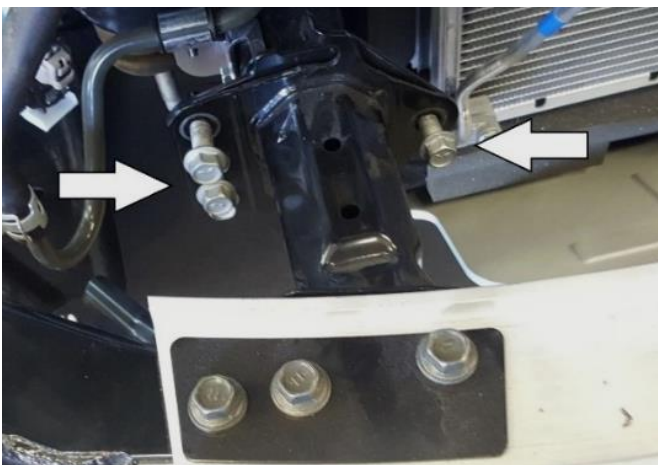
The bumper side of this connection will let fluid escape, have a small drip pan ready. Crimp the washer line temporarily on the washer bottle side to avoid losing all the fluid from the reservoir.

Flip up the white portion of the 6-pin connector and then you can release the plug. All the bumpers connections are made through this plug, no need to disconnect anything else individually.

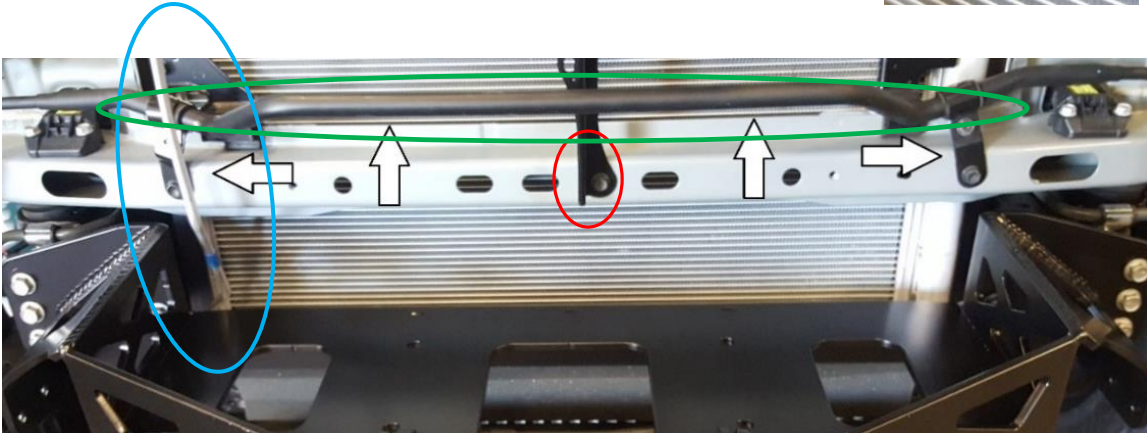
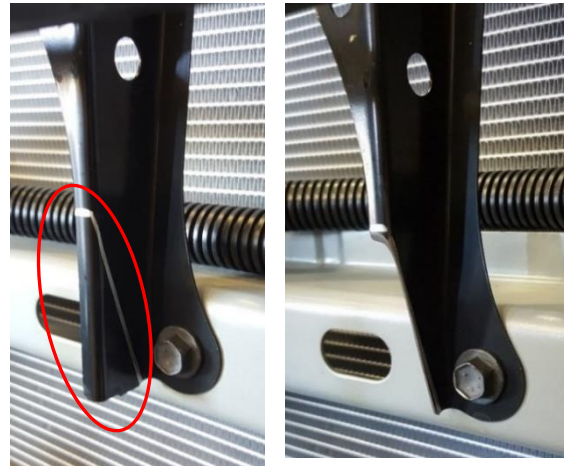
3. Next remove the (3) 10mm bolts on each side of the bumper that connect to the inner fenders. Gently pull the outer section of the bumper forward (the top may need to be pried out a bit to go over the plastic), it is clipped in under the fender and light. The entire front bumper and grill assembly should come off. The **GX 460** follows the same procedure.



4. Unbolt the steel and aluminum sub structure from the frame by removing the (8) 14mm bolts holding it on.



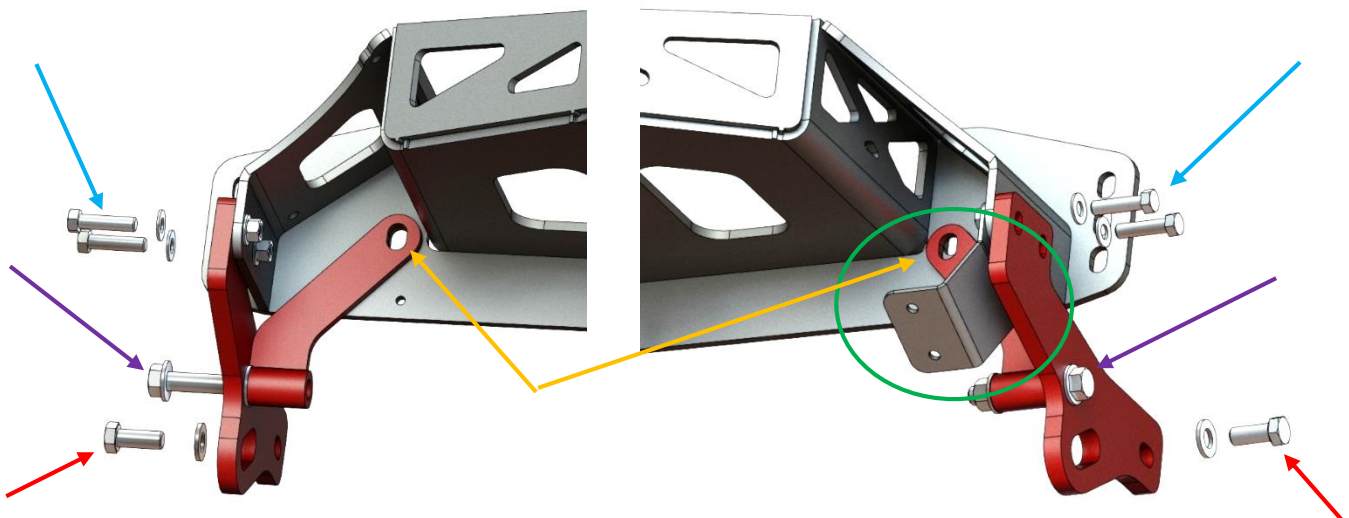
5. Trim the **factory sheet metal** as shown right to clear the top of the winch. Not necessary for **GX 460** or **GX 470** models. Next, the factory **power steering line** may have to be slightly moved back to clear the new winch. Carefully push the line back and up at the mounts on either side. The **AC line** on the passenger side may also need to be moved out of the way to provide clearance for the winch. Once the winch mount is installed place the winch on to the mount for reference.



6. **Bolting up your SDHQ Winch Mount.** Align your SDHQ Winch Mount to the frame and thread in (x6) factory outer bolts. (**GX 460**) Align both **Skid Support 2** Driver and Pass on the inside of the Winch Mount as shown below right, before securing with **3/8" hardware**. Align the Support Brackets w/ Recovery to the frame and winch mount as shown below left, and secure with (x2) **3/8" hardware** and (x1) **M12 hardware** per side. Align the Side Load Support Brackets to the single inner frame bolt and Support Bracket w/ Recovery. Secure with **M10** and **1/2" hardware**. Center the mount to the frame and tighten all hardware starting with the frame and moving forward.

Passenger Side

Driver Side with **Skid Support 2**



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7. Some trimming of the passenger side radiator shroud plastic may be required to mount the control box for your winch. For the GX460, remove the passenger side radiator shroud completely.



8. **Mounting your winch:** 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. Install your winch and use the rear 2 winch bolts to install the Lower Bumper Bracket for the 4runner **OR** for the **GX460** use the front (2) winch bolts to install Skid Plate Support 1 (see **56-1650-150** instructions for reference). This kit is specifically designed for the Warn Evo, Zeon, and Zeon Platinum Winches.

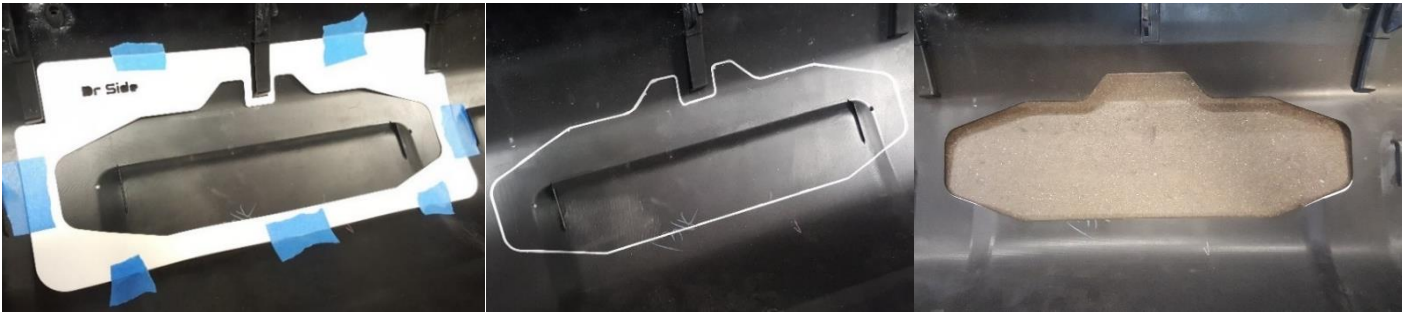


9. Wire your winch according to the manufactures recommendations. **If using Warn Zeon or Evo, refer to the Zeon controller relocation and wiring kit instructions, PN: 54-1660-G5, for wiring and mounting instructions (sold separately).** **GX 460/470 owners can proceed to Step 1 in their respective install instructions.**



10. (4runner Only) Cutting the factory front bumper for the Hawse. ***Note: Cutting template is only designed for the Warn Hawse. If using any other hawse, it is recommended to transfer the bolt hole locations and trace your hawse onto the plastic bumper.** Remove the outer black plastic from the factory bumper skin by unclipping it from the back (for TRD models). Use the provided template to cut for the Hawse fairlead opening by lining up the template form the inside of the bumper. Use the TRD template for all TRD models and use the SR5 template for all SR5 models. When using the SR5 template, place the hole cutouts of the template over the factory license plate molds of the bumper. A body saw is recommended for cutting the bumper plastic. Cut out the Warn Hawse and clean all edges so they are burr free.

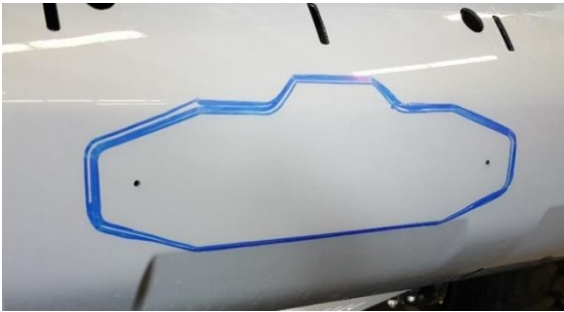
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Limited Model Bumper Trimming. Trimming of the Limited Grille and bumper is required for proper fitment, depending on your fairlead. Shown below in RED are the areas that needs to be trimmed. The RED squares on either side of the fairlead is where the grille needs to be trimmed to fit the winch mount. Double check your measurements, under cut your marks and trim for optimal fitment.



11. If you have a SR5 model, move on to step 12. Place the outer plastic back on the bumper temporarily and use the cut opening to trace onto the bumper. Remove the outer plastic and cut the bumper to match your outline. It will help to make this opening slightly larger than your traced outline since this part of the bumper is hidden.



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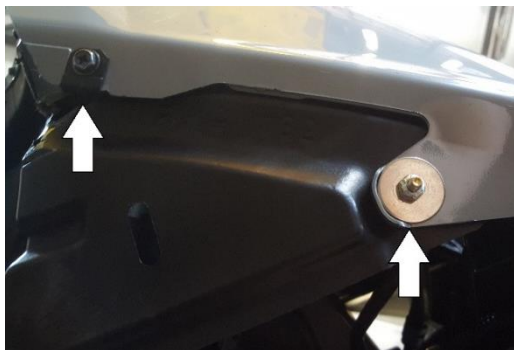
12. Install the hawse onto the winch mount and snug. Temporarily reinstall the outer factory plastic to the bumper with the factory clips. Adjust the hawse to fit with the plastics correctly. Remove the plastic bumper and tighten the hawse. Proceed to **Step 15**.



15. Install the winch line to the winch drum per the manufacturer's instructions.



16. Make sure all of the winch mount hardware is tight. Reinstall the factory bumper skin in the reverse order of disassembly. Use the provided 1/4" bolts, washers, and lock nuts to mount the passenger side lower bumper to the factory inner fender, and bottom of the bumper to the Lower Bumper Bracket. Reverse Steps 3 – 1 to finish assembling your vehicle. Enjoy your SDHQ Built Hidden Winch Mount!



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

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



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