

58-62878 / 58-62879 / 58-62880 / 58-62881
58-62887 / 52-62888 / 58-62889 / 58-62890

N.O.M.A.D. HEADACHE RACK
POLARIS® RANGER 1000 & CAN-AM® DEFENDER

HL

HIGHLIFTER

SEIZMIK™

FALCON RIDGE

SNORKEL YOUR ATV

SYSTEM 3
OFF-ROAD
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PRODUCT DISCLAIMER:

The installation of products sold or manufactured by High Lifter Products including, but not limited to suspension components such as lift kits, gear reduction lifts, frame stiffener kits, snorkels, and tires that exceed the original specifications for the vehicle, may change the vehicle's center of gravity and handling characteristics both on- and off-road. You are aware that the installation of tires that are larger than original vehicle specifications may reduce the effectiveness of the braking system. Use of these products may place added stress to the original factory vehicle components which could cause them to weaken or possibly fail.

Products sold or manufactured by High Lifter Products are intended for off-road use only. Operation of a vehicle modified with these products on a road could result in serious bodily injury or death, and such operation may violate the laws of your state or municipality. You agree to operate your vehicle exclusively in the manner intended by the vehicle manufacturer. You agree that failure to safely and reasonably operate your vehicle could result in serious bodily injury or death, and that, as a result of installation of this product(s) to your vehicle, extreme care must be taken to prevent vehicle rollover or loss of control, which may be more likely to occur as a result of said modifications. You will avoid unsafe maneuvers, including sudden sharp turns or other abrupt maneuvers, which could make a vehicular accident more likely. You understand that High Lifter Product is not responsible or liable for any damages or any injuries to yourself or your passengers that could occur upon possible accidents due to driver error, incorrect installations, bad judgment, incompatibility with other aftermarket accessories or natural disasters to the fullest extent allowable by law. You will have all vehicle occupants fasten seatbelts, if equipped, and wear proper safety equipment, such as DOT approved helmet and eye protection prior to operating the vehicle. You understand and acknowledge that failure to wear proper safety equipment may increase the risk of serious bodily injury or death to yourself and any passengers.

Proper installation of products sold or manufactured by High Lifter Products requires knowledge of the factory recommended procedures for removal and installation of original equipment components. Installation of these products without proper knowledge and experience may affect the performance of these components and the safety of the vehicle and cause serious bodily injury or death. It is strongly recommended that a certified mechanic familiar with the installation of similar components perform the product(s) installation.

Prior to installing any products sold or manufactured by High Lifter Products, you will perform or cause to be performed an inspection of their vehicle to confirm its condition is suitable for the installation of these products. A proper inspection of the vehicle includes confirmation that the vehicle has not been in a collision and is free of corrosion. If the vehicle is suspected to have been in a collision or misused, or is otherwise unsuitable for modification, you will not install the product(s). You will continue to inspect the vehicle prior to each use to confirm its condition is suitable for its intended use, and you acknowledge that the failure to do so may result in serious bodily injury or death, as well as damage to the vehicle itself.

You will install any warning labels provided with the product so it may be prominently seen by yourself and all passengers. You will notify all passengers of the modifications performed to your vehicle prior to operation.

Insurance companies may handle coverage of a modified vehicle differently. Please check with your insurance carrier prior to modifying the vehicle to ensure your coverage remains sufficient. Installation of this product(s) may void your vehicle warranty. If this is a concern, please check with the manufacturer or dealer before purchase or installation of this product(s).

These instructions include both models; refer to either the Ranger or Defender section depending on which machine you have.
*Rack appearance may vary depending on option purchased, but installation hardware and sequence is the same for all options.

TOOLS & MATERIALS NEEDED:

- 3/4" Drill Bit
- Drill
- 13mm Socket/Wrench
- Torque Wrench
- Adjustable Wrench
- Needle Nose Pliers
- Protective Gloves & Eye Protection

PREPARATION

Always make sure your machine is off, keys out of the ignition, and that the machine is in park on a level surface.

Before beginning installation, disconnect the battery by removing both the positive (red) and negative (black) cables as discussed below.

Unbox the rack. Inspect for all hardware and components.

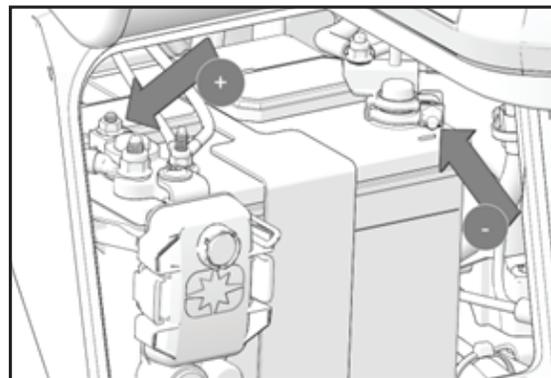
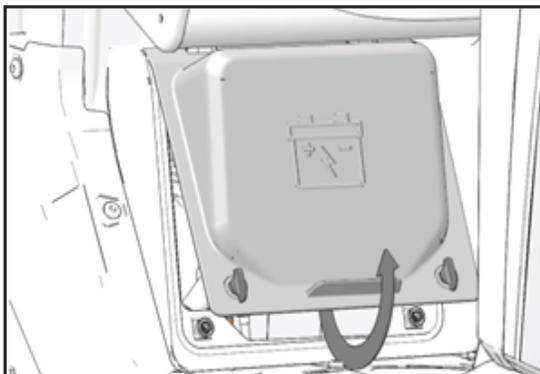
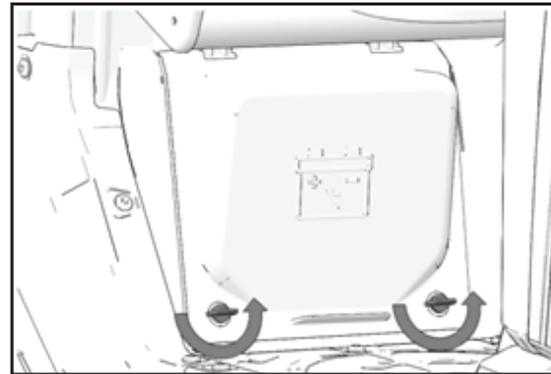
Disconnect the vehicle battery.

Safety first. Always disconnect the battery before working with electronics.

Turn the two quarter turn fasteners.

Remove the battery cover.

Disconnect negative cable first followed by the positive cable.



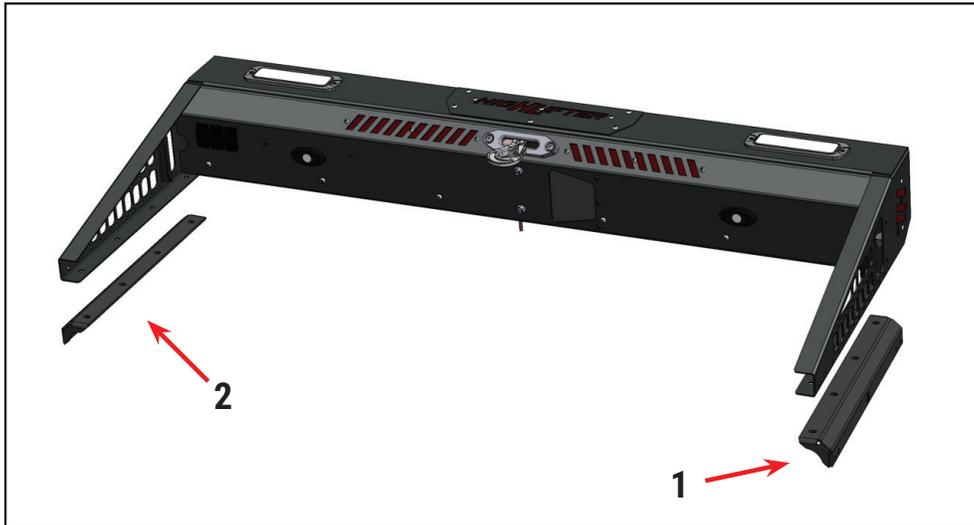


POLARIS® RANGER 1000 INSTALLATION

N.O.M.A.D. Headache Rack - Polaris Ranger 1000 Kit Contents			
Item	Part Number	Description	QTY
1	58-62867R-B3	RANGER 1000 HEADACHE RACK TO CAB MNT RIGHT, BLACK	1
2	58-62867L-B3	RANGER 1000 HEADACHE RACK TO CAB MNT LEFT, BLACK	1
3	70-20002	RANGER BED STRAP	1
4	65-10333	RESETTABLE BREAKER TO BAT POS WIRE ASSEMBLY	1
5	65-10328	RESETTABLE BREAKER 80A	1
6	54-96460	M8X1.25X20 FLHHS	16
7	54-96455	BACK PLATE	4
8	95010	5/16" GRADE 8 WASHER	8
9	99-10023	M8X1.25 NYLOC NUT	8

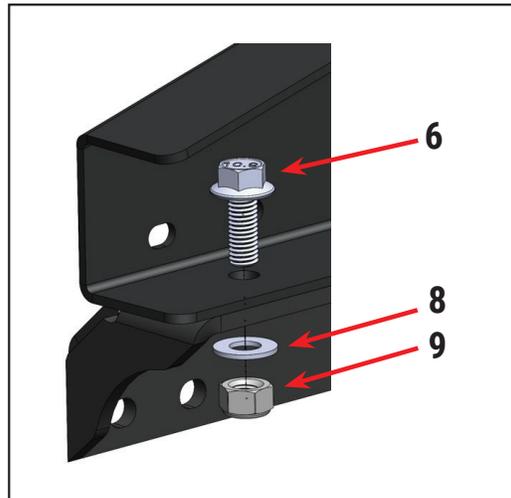
1

Align the cab mounts for right and left (Items 1 & 2) to the rear of the rack.



2

Attach the mounts to the rack using provided hardware: 4 bolts, 4 washers, and 4 nuts for each side. Hand tighten the hardware for both mounts.



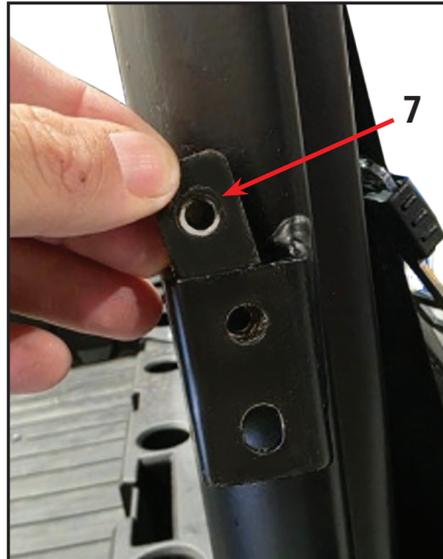
3

Visually locate the welded tab location on door frame as shown below. This is where the rack will be secured.



4

Insert one back plate (Item 7) behind each welded tab. Make sure the the flat side is flush to the inside of the weld tab.



5

Attach the rack to the machine with the help of an assistant. Lift the rack up, and align the holes on the side of the mounting bracket with the back plates installed behind the welded tabs. Hand tighten with the provided hardware until both sides are aligned. Confirm proper alignment, and securely tighten all the hardware.



MOLLE PANEL INSTALLATION

If you have purchased a Molle panel, refer to the instructions included in the Molle Panel kit for proper installation.



CAN-AM® DEFENDER INSTALLATION

Note: If you are installing on a Can-Am® Defender HD11, trimming the plastics is required.



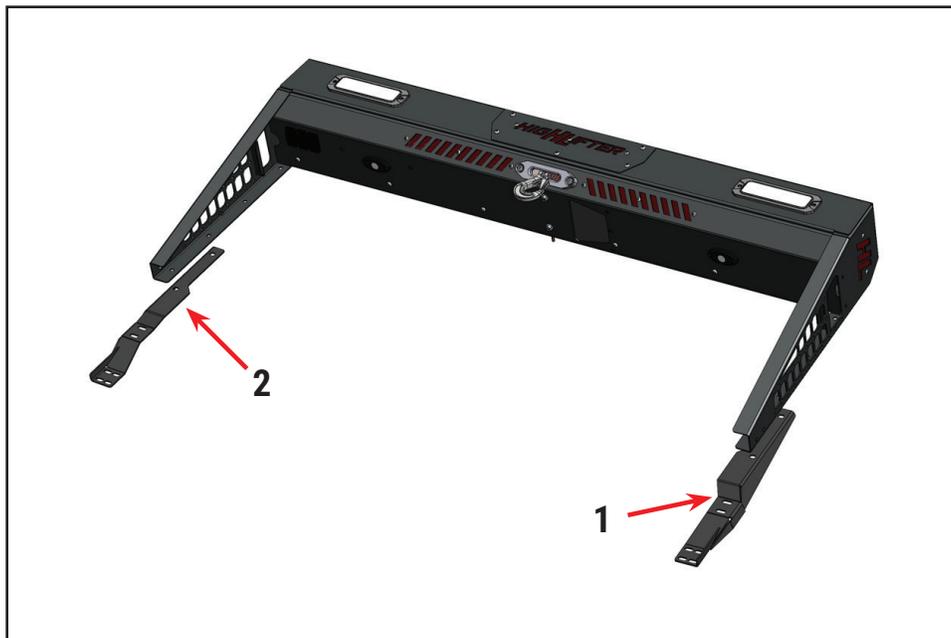
- Lift the bed in the upright position
- Unbolt the door bracket
- Trim the plastic area as shown in red, and then repeat on opposite side.
- Place and align the corresponding CAB MNT Right or Left with the door plate, and bolt together to the machine.

N.O.M.A.D. Headache Rack - Can-Am Defender Kit Contents

Item	Part Number	Description	QTY
1	58-62870L-B3	DEFENDER HEADACHE RACK TO CAB MNT LEFT	1
2	58-62870R-B3	DEFENDER HEADACHE RACK TO CAB MNT RIGHT	1
3	70-20000	DEFENDER BED STRAP	1
4	65-10333	RESETTABLE BREAKER TO BAT POS WIRE ASSEMBLY	1
5	65-10328	RESETTABLE BREAKER 80A	1
6	54-96460	M8X1.25X20 FLHHS	12
7	58-62871	DEFENDER HEADACHE RACK CAB SHIM	4
8	95010	5/16" GRADE 8 WASHER	4
9	99-10023	M8 x 1.25 Nyloc Nut	4

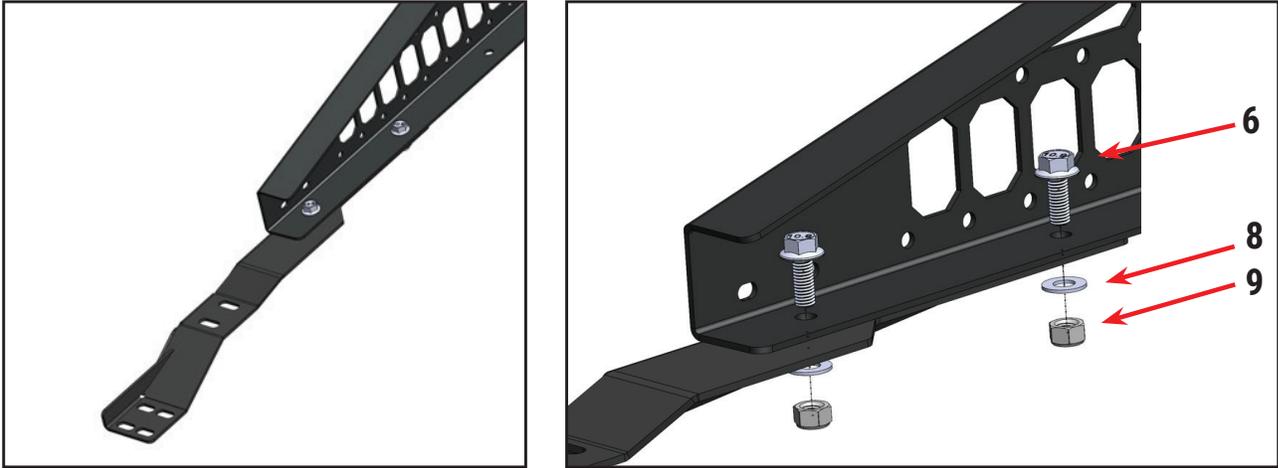
1

Align the Cab Mount brackets, right and left (Items 1 & 2) to the rear of the rack. The top 2 slots on the mounts align with the bottom 2 holes on the rack.



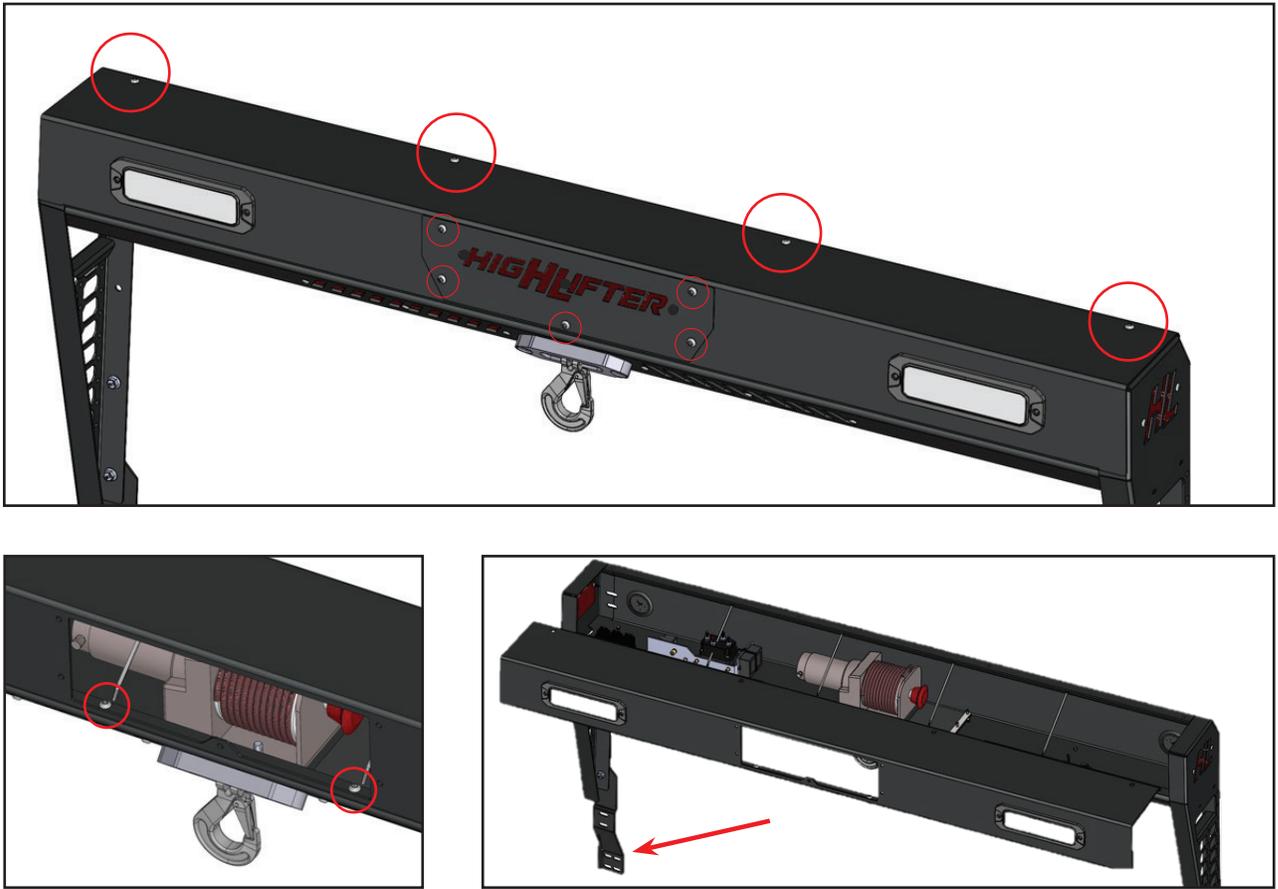
2

Attach the mounts to the rack using provided hardware: 2 bolts, 2 washers, and 2 nuts for each side. (Items 6, 8, & 9) Hand tighten the hardware for both mounts.



3

Remove the cover of the headache rack by removing the screws as shown below. Retain hardware.



4

Remove the upper cover plates on both the driver and passenger side located at the rear of the machine.



5

Attach the rack to the machine with the help of an assistant. Lift the rack up, and align the holes on the side of the mounting bracket with the back plates installed behind the welded tabs. Hand tighten with the provided hardware until both sides are aligned. Confirm proper alignment, and securely tighten all the hardware.



6

Slide shim(s) behind the rack. The slots in the shim fit around the bolts at the top. Tighten bolts.



7

Reinstall the cover using the retained hardware from Step 3.



BED LIMIT STRAP INSTALLATION

1

The installation is the same regardless of the machine you have.

- a. Open the bed and locate the gas strut.
- b. Remove the bolt and cotter pin on both sides of the strut.
- c. Add the limit strap aligning the holes in the strap with the gas strut and reinstall the bolt and cotter pin.



WIRING

1

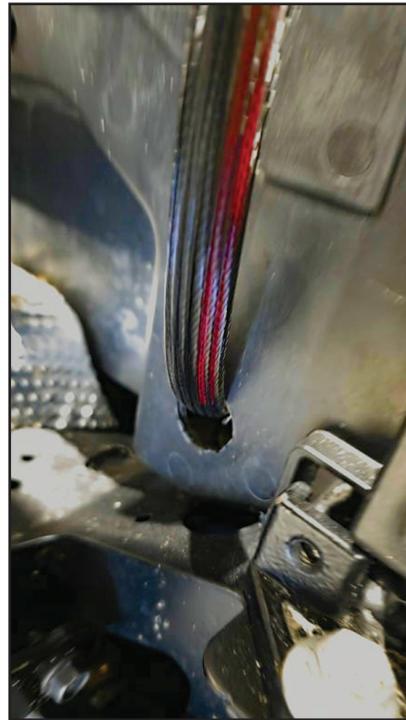


It is recommended to run the power cables down the passenger side of the rack as shown.

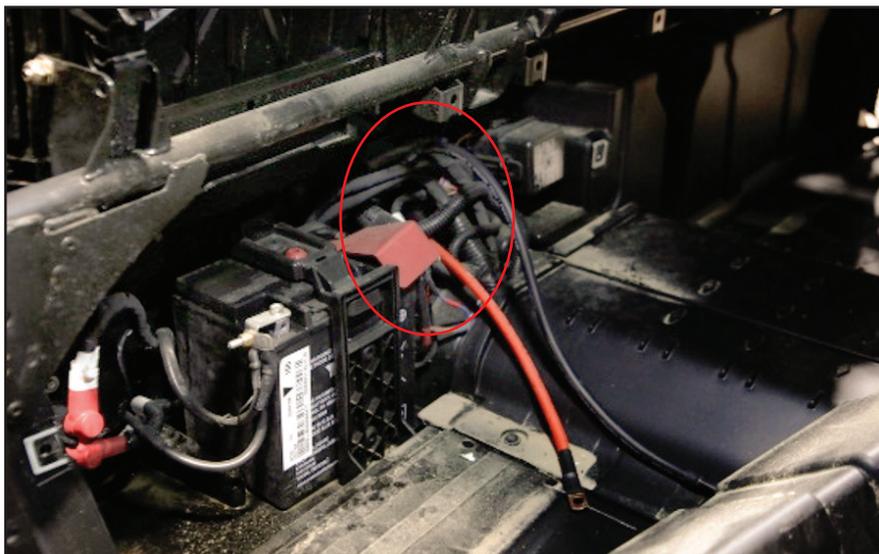
2

Open the bed up to give yourself more room to work.

a. **Ranger** - Drill a $\frac{3}{4}$ " Min. Dia. hole through the rear firewall plastics near the location shown below. Always verify there is nothing behind the plastic prior to drilling. Deburr the hole to remove any sharp edges which could abrade the wires. Route the wires through the hole.



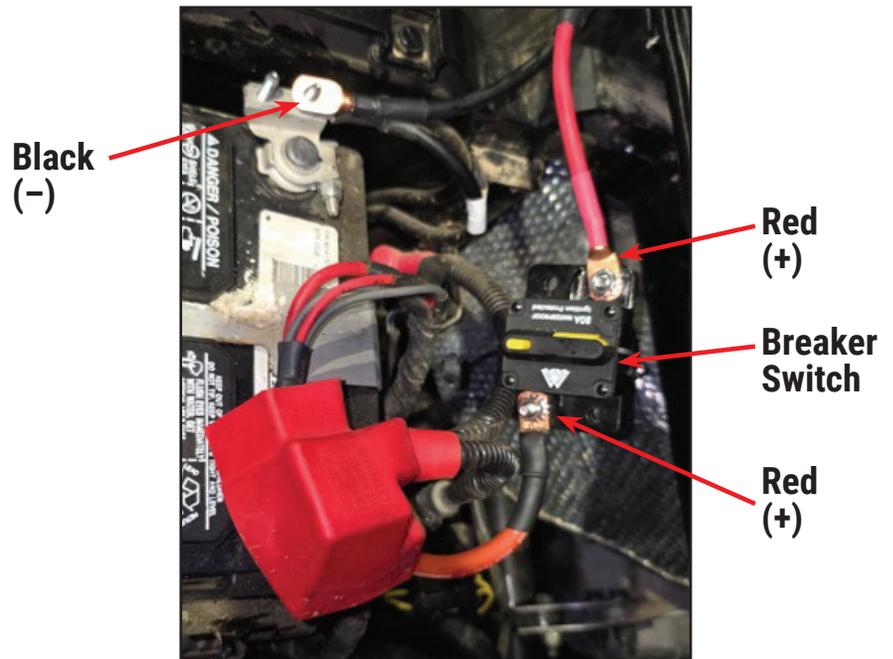
b. **Defender** - Route the power cables straight through the firewall in the center to the battery box, keeping wires clear of any exhaust or high temperature regions.



3

Pull wire through the hole and connect the terminals to the resettable breaker and then to the battery which is located under the seat(s). Install resettable breaker in-line to the positive side (red) of the battery using supplied wire.

- a. **Black** goes to **Negative (-)**
- b. **Red** goes to **Positive (+)**



Once the wires are connected, use zip ties to carefully move them out of the way. Do not over-tighten the zip ties as this could cause damage to the insulation of the wires.

INSTALLATION COMPLETE

THANK YOU FOR CHOOSING **HIGHLIFTER**



1,500 LB WINCH

NOTICE

The Warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur.

SAFETY WARNING AND PRECAUTIONS

Unsafe operation can result in property damage, bodily harm, or even death.

WARNING:

The responsibility for safe operation of winch and prevention of personal injury and property damage ultimately rests with you, the operator.

READ ALL INSTRUCTIONS BEFORE USING THIS TOOL!

1. *OBSERVE WORK AREA CONDITIONS.* Do not use electrically powered tools in the presence of flammable gases or liquids.
2. *DRESS PROPERLY.* Avoid wearing loose clothing or jewelry, as they can get caught in moving parts. Wear protective, electrically non-conductive clothing and non-slip footwear while working. Long hair should be secured with a restrictive hair covering.
3. *DO NOT OPERATE IF UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.*
4. *KEEP HANDS AND BODY FROM FAIRLEAD WHEN OPERATING.*
5. *DO NOT LIFT ITEMS VERTICALLY.* The winch was designed for horizontal or angled use only.
6. *NEVER WINCH LESS THAN 5 TURNS OF WIRE ROPE AROUND THE WINCH DRUM.* The wire rope end fastener may not withstand full load.
7. *DO NOT MOVE VEHICLE WITH CABLE EXTENDED AND ATTACHED TO LOAD TO PULL IT.* The cable could snap.
8. *USE GLOVES WHILE HANDING CABLE.* Do not let wire rope slide through your hand.
9. *DO NOT OVERLOAD.* For load over 1/2 rated capacity, we recommend the use of the optional pulley block to double line the wire rope.
10. *THE VEHICLE ENGINE SHOULD BE RUNNING DURING WINCH OPERATION.* Extensive winching with the engine turned off may drain the battery, potentially preventing the engine from restarting.
11. *USE A NYLON SLING.* Never hook the wire rope back onto itself because you could damage the wire rope.
12. *NEVER USE YOUR WINCH FOR LIFTING OR MOVING PEOPLE.*

13. *AVOID CONTINUOUSLY PULLING FROM EXTREME ANGLES. This will cause the wire rope to pile up on the end of the drum.*
14. *NEVER RELEASE FREE SPOOL CLUTCH WHEN THERE IS A LOAD IN THE WINCH.*
15. *DISCONNECT POWER. Always disconnect winch power leads to battery before working in or around the winch drum so that the winch cannot be turned on accidentally.*
16. *When moving a load, slowly take up the wire rope slack until taut. Recheck all winching connections. Be sure the hook is properly seated. If a nylon sling is used, check the attachment to the load.*
17. *When using your winch to move a load, place the vehicle brake, and chock all wheels.*
18. *DO NOT USE THE WINCH TO HOLD LOAD IN PLACE. Use other means of securing loads such as tie down straps.*
19. *DO NOT MACHINE OR WELD ANY PART OF THE WINCH. Such alterations may weaken the structural integrity of the winch and will void your warranty.*
20. *USE STIPULATES CURRENT. Do not connect winch to either 110v ac house current or 220v mains as winch burnout or fatal shock may occur.*
21. *KEEP STEADY. Never allow shock loads to be applied to winch or wire rope.*

SPECIAL WARNINGS WHEN USING THIS ELECTRIC WINCH

The Battery

Be sure the battery is in good condition. Avoid contacting with battery acid or other contaminants. Always wear ANSI approved eye protection when working around a battery. Have the engine running when using the winch, to avoid ruing the battery down.

Stand Back

Stay out of the direct line that the cable is pulling. If the cable slips or breaks, it will "whiplash" along this line. Keep hands, clothing, hair and jewelry clear of the winch while in use. Use a spotter to assist you in assuring that it is safe to operate the winch. Make sure this person is out of the way of the vehicle and the cable before activating the winch.

Power Limits

Do not exceed the pulling limits of this winch. Never use the hand crank to "assist" the winch. This will damage the winch and may cause personal injury.

USING YOUR WINCH

1. Put your vehicle in Neutral. (Never winch with your vehicle in gear or in park, since this could damage your vehicle's transmission.) **PUT YOUR EMERGENCY BRAKE ON. BLOCK THE WHEELS FROM ROLLING USING SUITABLE CHOCKS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN CAUSE YOUR VEHICLE TO ROLL WHILE, CREATING AN EXTREMELY DANGEROUS SITUATION!!**
2. Pull out the cable by pushing the button on the panel or using the remote. **ALWAYS LEAVE AT LEAST FIVE TURNS OF CABLE ON THE SPOOL TO PREVENT PULLING THE CABLE OUT OF THE WINCH!**
3. Hook onto the object using a pulling point, tow strap or chain. Never wrap the cable around the object positive and hook onto the cable itself. This can cause damage to the object being pulled, and kink or fray the cable.
4. Stand clear, and when it is safe to do so, use the power switch in the remote control to retract the cable, and winch the item as desired.

WARNING

1. Keep hands, clothing, hair, and jewelry clear of the drum area and cable when winching.
2. Never use the winch if the cable is frayed, kinked or damaged.
3. Never allow anyone to stand near the cable or in line with the cable behind the winch while it is under tension. If the cable should slip or break, it can suddenly whip back toward the winch, causing a hazard for anyone in the area. Always stand well to the side while winching.

WARNING:

Do not use the crank to assist an operating winch. This will damage the winch and may cause personal injury.

MAINTENANCE

1. Lubricate the cable occasionally with light oil.
2. Grease the gears every 6 months. To do this, remove the clutch knob and separate the left and right housing. Use any good quality waterproof grease.

WARRANTY INFORMATION



HIGH LIFTER LIMITED LIFETIME WARRANTY

High Lifter offers a Limited Lifetime Warranty to the original purchaser that our product shall be free from defects in material and workmanship for the life of the product if utilized in accordance with the manufacturer's instructions for installation and operation of said products.

LIMITED LIFETIME WARRANTY EXTENDS TO THE FOLLOWING PRODUCT LINES:

- Lift Kits (Signature, Standard and Big Lifts)
- Control Arms
- Trailing Arms
- Radiator Relocation Kits
- Portal Gear Lifts
- Wheel Spacers
- Tow Hooks
- Control Arm Link Kits
- Racks

Damages to vehicle or any other object during the installation, use, or removal of High Lifter products are not covered under this warranty. Normal wear items included with any of the products covered under this Limited Lifetime Warranty are excluded from coverage. These items include, but are not limited to heim joints, tie rods, bearings, bushings, seals, gaskets, zinc plating, painted and powder coated finishes. Other exclusions of coverage under this warranty include, but are not limited to: damage or product failure due to improper installation, lack of maintenance, product modification, abuse, collision or use on vehicles for which product was not designed, repairs performed by anyone other than approved High Lifter personnel or made using non-High Lifter components. This warranty is valid for the original purchaser only and is non-transferable. High Lifter reserves the right to inspect any product before determining if the claim is valid and covered under this warranty. Claims determined to be caused by reasons other than a manufacturer defect will be rejected and an estimate for repair or cost of a replacement product if a repair is not possible, will be provided.

This warranty is exclusive and is in lieu of any implied warranty of merchantability, fitness for a particular purpose or other warranty of quality, whether express or implied, except the warranty of title.

WARRANTY PROCESSING

If you suspect your product is defective, **DO NOT disassemble the product** to determine the cause without prior approval as it may void your warranty status. This is especially true with our Portal Gear Lift. To begin the claim process, please e-mail our warranty team at warranty@highlifter.com and include the following in the e-mail:

- Your full name, address and contact phone number
- The year, make and model of your vehicle
- The part number of the product
- Photos of the product installed, and vehicle product is installed on
- Proof of purchase (Required for all warranty claims and you must be the original purchaser)

Once a claim is created, you will receive a return authorization number (RMA). Write this number on the outside of the box containing your defective product and include it along with your name and contact information inside the box. Product must be returned in the original box or a box of equal strength and packaging. Product sent without an RMA number visible on the outside of the box or sent COD will be refused. Ship your product to the following address:

High Lifter Products
Attn: Returns 7455 Atkinson Dr, Shreveport, LA 71129

Once your product is received, we often have your replacement or repaired product shipped back to you within 3-business days of receiving it. Please note that **High Lifter is not responsible** for shipping charges on product returned for warranty or repair, including duties and fees required by those residing outside the United States.