



INSTALLATION INSTRUCTIONS

WINCH MOUNT KIT

Part Number: 109094

Application: 2023 POLARIS RANGER 570 SP

GENERAL SAFETY PRECAUTIONS

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. WARNING and CAUTION are signal words that identify the level of hazard. These signal words mean:

⚠WARNING signals a hazard that could cause serious injury or death, if you do not follow recommendations. **⚠CAUTION** signals a hazard that may cause minor to moderate injury, if you do not follow recommendations.

This guide uses **NOTICE** to call attention to important mechanical information, and Note: to emphasize general information worthy of special attention.

⚠ WARNING

IMPACT AND MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to severe injury or death

- **Always** take time to fully read the Instructions and/or Operations Guide, and/or Basic Guide to Winching Techniques, in order to understand your winch and its operations.
- **Always** use extreme caution when drilling on any vehicle. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when/if drilling on the vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged. Failure to inspect the area to be drilled may result in vehicle damage, electrical shock, fire or personal injury.
- **Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause eye injury.
- **Always** use extreme caution when cutting and trimming during fitting.
- **Always** remove jewelry and wear eye protection.
- **Never** lean over battery while making connections.
- **Never** route electrical cables:
 - o Across any sharp edges.
 - o Through or near moving parts.
 - o Near parts that become hot.
- **Always** insulate and protect all exposed wiring and electrical terminals.
- **Always** install terminal boots as directed in installation instructions.
- **Always** use appropriate and adequate care in lifting components into place.
- **Always** insure components will remain secure during installation and operation.
- **Always** tighten all nuts and bolts securely, per the installation instructions.
- **Always** perform regular inspections and maintenance on the plow mechanism, fasteners, cable and related hardware.
- **Always** replace all worn or damaged parts before operating.
- **Never** operate this WARN product with damaged or missing parts.

Read installation and operating instructions thoroughly.

CAUTION

MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to minor or moderate injury

- **Always** take time to fully read and understand the installation and Operations Guide included with this product.
- **Never** operate this product if you are under 16 years of age.
- **Never** operate this product when under the influence of drugs, alcohol or medications.

Read installation and operating instructions thoroughly.

NOTICE

EQUIPMENT DAMAGE

- **Always** refer to the Installation and Specification Guide, supplied in the winch kit, for all wiring schematics and specific details on how to wire this WARN product to your vehicle.
- **Never** overtighten u-bolt nuts. Overtightening may cause damage to vehicle frame.

Read installation and operating instructions thoroughly.

NOTES

BEFORE YOU BEGIN

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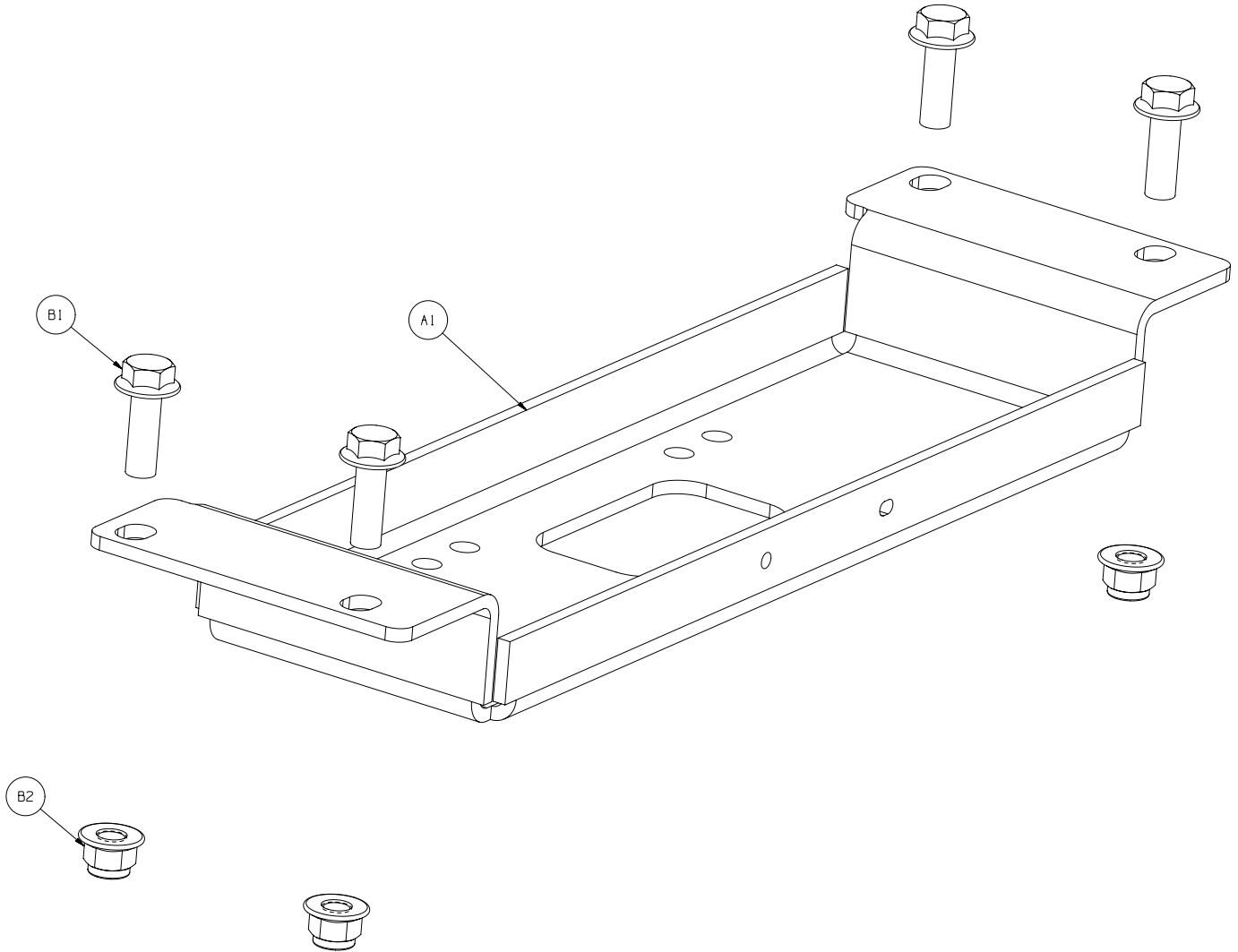
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TOOLS REQUIRED

- Standard and Metric Wrenches
- Standard and Metric Sockets

PARTS LIST

ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY
A1	109092	WINCH MOUNT	1	B1	79583	M10 FLANGE HEAD BOLT	4
				B2	87166	M10 FLANGE LOCK NUT	4



TORQUE SPECIFICATIONS

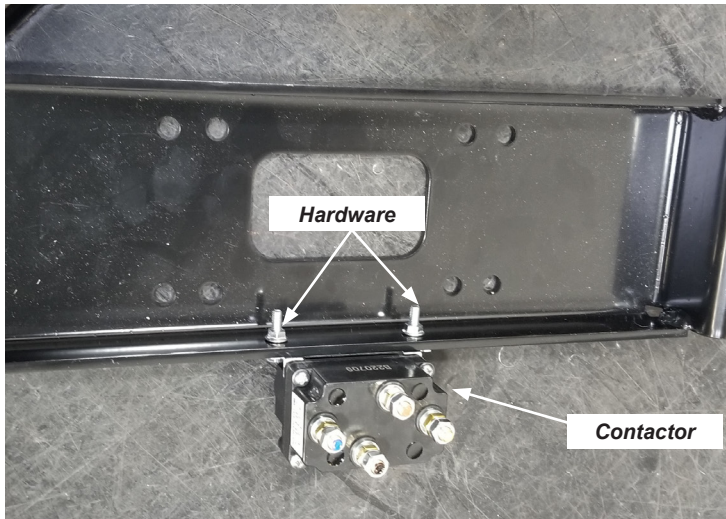
Please use the recommended torque specifications when assembling this product unless otherwise specified in the instructions.

FASTENER SIZE	FASTENER TORQUE		FASTENER SIZE	FASTENER TORQUE	
	lb-ft	(N.m)		lb-ft	(N.m)
1/4"	8	(11)	M4	(2)	3
5/16"	17	(23)	M5	(4.5)	6
3/8"	30	(40)	M6	(7.5)	10
7/16"	48	(66)	M8	(18)	25
1/2"	74	(100)	M10	(37)	50
9/16"	106	(144)			
5/8"	148	(200)			
3/4"	269	(364)			

NOTICE: Torque does not apply to u-bolts.

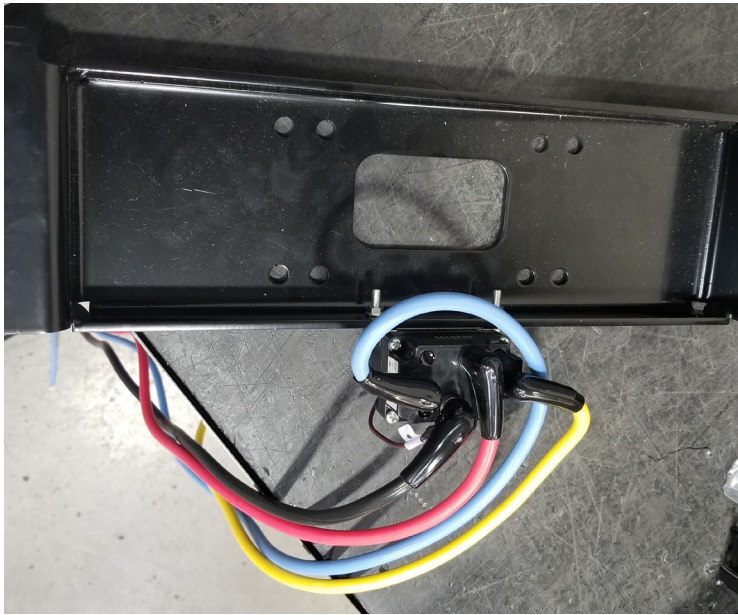
INSTALLATION INSTRUCTIONS

1. Pull the contactor and its mounting hardware, out of the winch kit. Attach the contactor to the back of winch mount using the two small holes provided in the mount as shown.



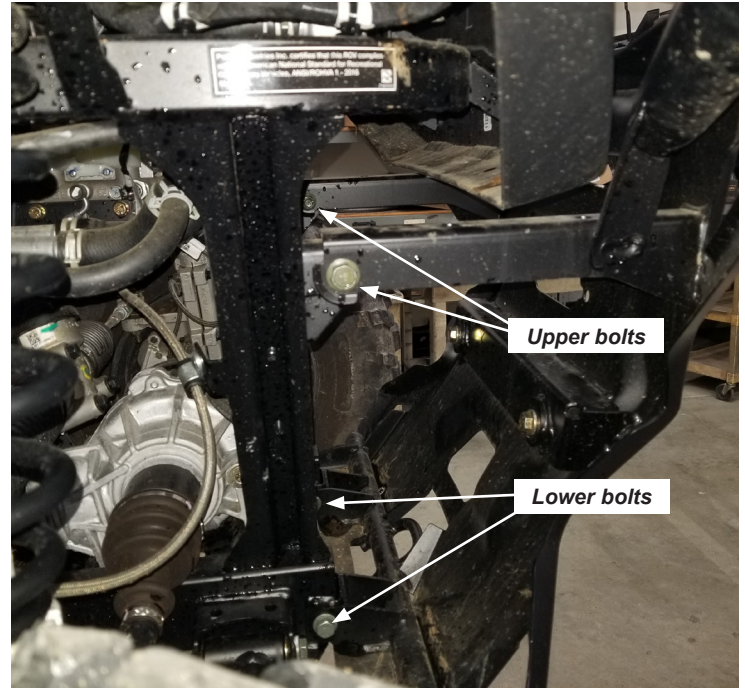
TIP: When installing the winch mount, it is easier to attach some of the winch electrical while the mount is out of the vehicle.

2. Install the colored wiring to the contactor, following the winch wiring instructions supplied with your winch.
3. Attach the small black ground jumper wire to the center spade connector and to the 6ga black terminal on top of the contactor. See winch manual for clarification.

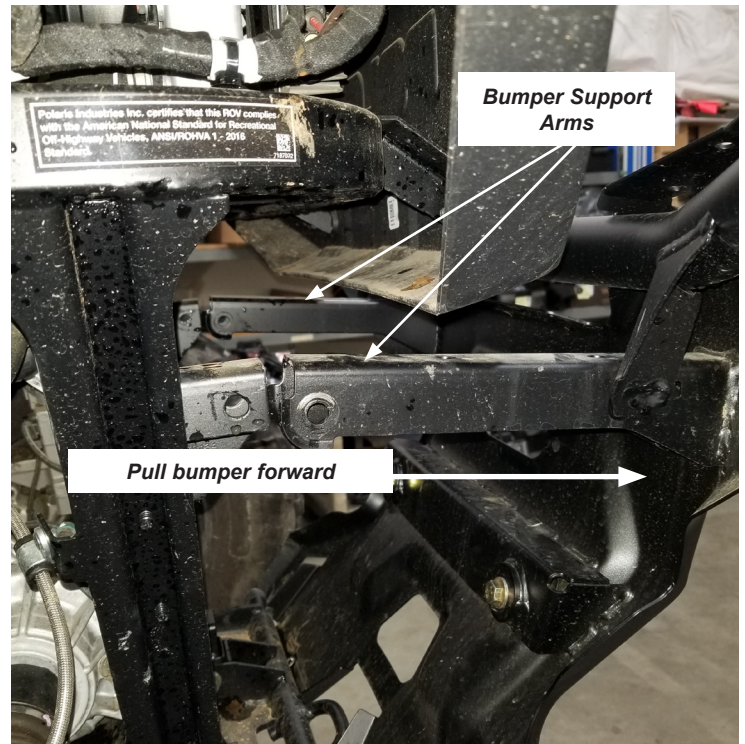


4. From each side of the bumper, remove the two upper mounting bolts holding the bumper to the vehicle.

OPTIONAL: You may choose to install the winch to the winch mount and bumper while off of the vehicle. In that case, you will need to remove the upper AND lower bumper mounting bolts. Remove the bumper and place on a flat and stable surface. Complete your installation. You will need assistance when reinstalling the bumper to the vehicle, due to the weight. **⚠ WARNING** Always use assistance when moving or lifting heavy parts.



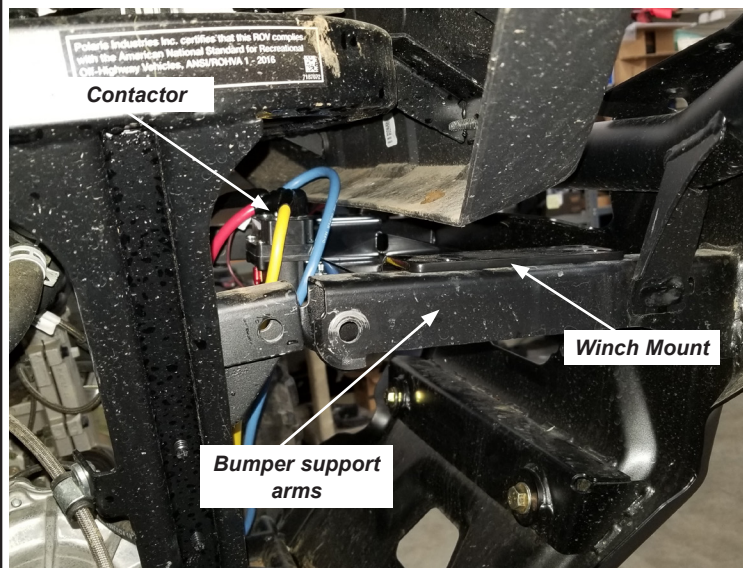
5. Pull the bumper forward to allow room to install the mount. The mount will rest on top of the bumper support arms.



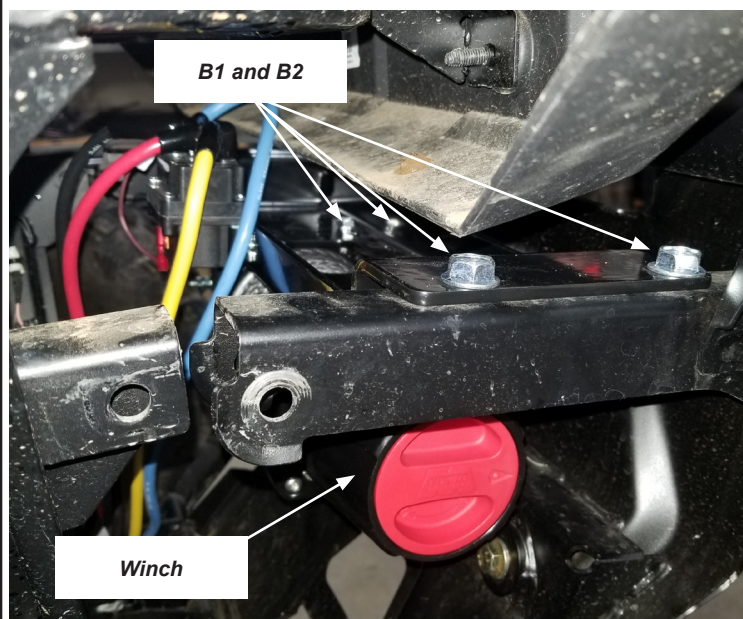
INSTALLATION INSTRUCTIONS

6. With the contactor facing the inside of the vehicle, insert the mount diagonally up through the center of the bumper between the bumper support arms.

Rest the winch mount's mounting flanges on top of the bumper support arms and align the mounting holes.



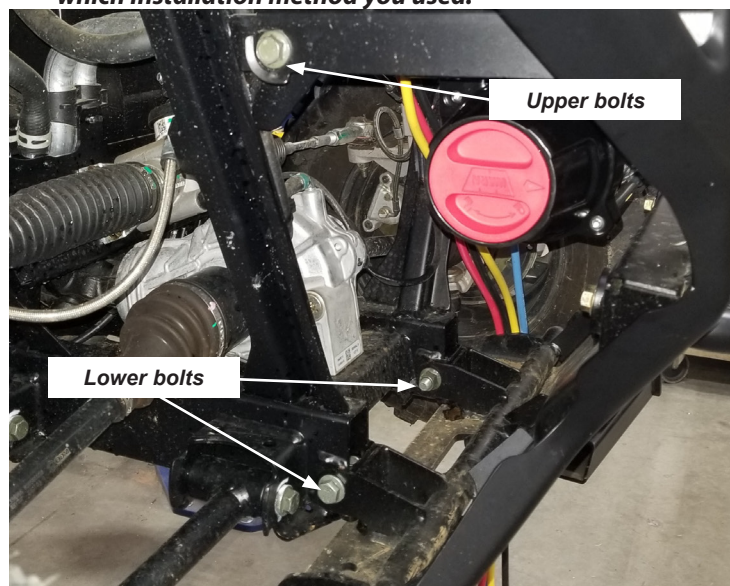
7. Insert the four supplied M10 bolts (B1) and lock nuts (B2) through the winch mount flange and bumper support arms.



8. From the passenger side of the vehicle, and with feet up and the red clutch handle facing out, slide the winch in position and secure to the mount with four M8 bolts and lock washers supplied in your winch kit. Tighten hardware to torque specifications on page 3. **NOTICE** Be sure the winch rope is coming off the upper side of the drum.

NOTE: Do not reattach the bumper until you have the winch installed.

9. Push bumper into place. Reinstall the upper bumper support bolts. **NOTE:** Reinstall the lower bolts depending which installation method you used.



10. With your winch rope coming off the upper side of the drum, place the winch clutch in freespool and pull the rope through the bumper opening.
11. Place the rope protective sleeve on the end of your winch rope.



INSTALLATION INSTRUCTIONS

12. Attach the fairlead to the front of the vehicle with hardware provided in your winch kit.



15. Install hook/hook strap combo to rope using clevis and cotter pin.



13. The winch mount portion of the installation is now complete.
14. Complete wiring per your winch installation instructions.

Wiring tips:

- Attach the blue and yellow wire to the winch motor. Coil the excess wire up and zip tie to the top of the winch mount tray.
- The red and black wire can be run to the power supply area under the front hood **OR** route the red and black wire directly to the battery by removing the plastic skid plate on bottom of vehicle.
- Follow existing electrical for path to batteries, make sure wiring is clear of sharp metal, hot pieces or moving pieces to ensure a good mechanical path. Make sure all loose wire is secured with zip ties before reinstalling skid plate if you should choose to wire directly to the batteries.
- Follow your electrical portion of your winch manual to complete the remote plug and switch portion of the installation.

MAINTENANCE / CARE

1. Inspect all parts on the winch, winch mount and related hardware prior to each use. Replace all hardware that appears rusted or deformed.
2. Inspect all nuts and bolts on the winch, winch mount and related hardware prior to each use. Tighten all nuts that appear to be loose. Stripped, fractured, or bent bolts or nuts need to be replaced.
3. Check all cables prior to use. Replace cables that look worn or frayed.
4. Check all moving or rotating parts. Remove debris that may inhibit the part from moving freely.