



INSTALLATION INSTRUCTIONS

WINCH MOUNT KIT

Part Number: 110686

Application: 2024 POLARIS XPEDITION

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

TABLE OF CONTENTS

Maintenance/Care.....	page 2
Tools Required.....	page 3
Torque Specifications.....	page 3
Parts List.....	page 3
Installation	page 4-5

MAINTENANCE / CARE

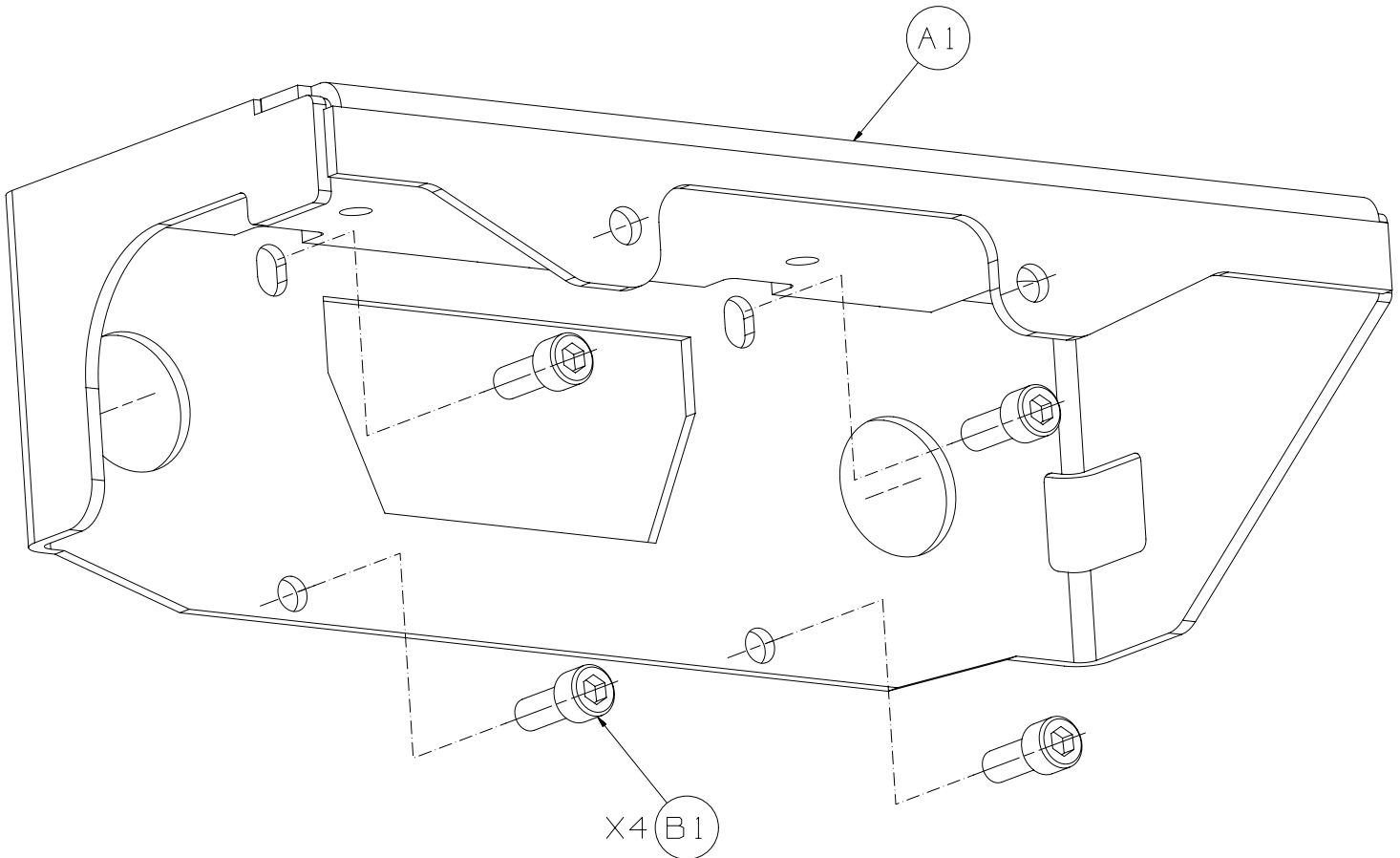
1. Inspect all parts on the winch, winch mount and related hardware prior to each use. Replace all hardware that appears rusted or deformed.
2. Inspect all nuts and bolts on the winch, winch mount and related hardware prior to each use. Tighten all nuts that appear to be loose. Stripped, fractured, or 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.

TOOLS REQUIRED

- Standard and Metric Wrenches
- Standard and Metric Sockets

PARTS LIST

ITEM	PART NUMBER	DESCRIPTION	QTY
A1	110685	WINCH MOUNT	1
B1	70119	M10 SOCKET HEAD BOLT	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

BEFORE YOU BEGIN

- Place the vehicle on a secure and level surface.
- Set the parking brake.
- Disconnect battery.

1. Remove the vehicle's two bottom M10 bumper mounting bolts.



2. From the side of the vehicle, remove the vehicle's two upper mounting bolts from the bumper (each side). **TIP: Use a 15mm end wrench to hold the nut while loosening the bolts. The nuts are between the plastic and frame.**



3. Remove the bumper and set aside.
4. Remove the four socket head bolts that mount the winch to the vehicle. **NOTE: The winch will stay in place as it is held with two M10 bolts from behind.**

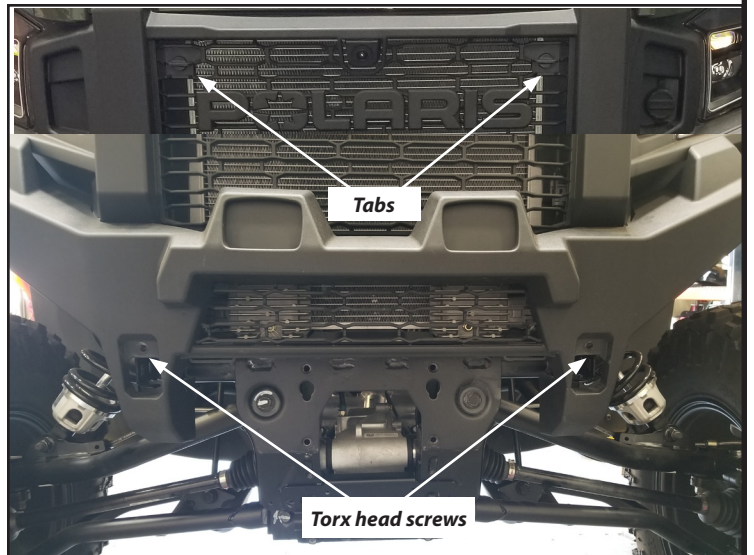


⚠ WARNING Be sure vehicle battery is disconnected.

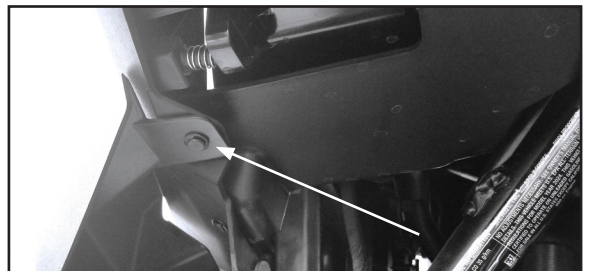
4. **With assistance**, while holding the winch in place, unplug the switch wire harnesses leads and the red and black power leads from the winch motor.
5. Once the switch wire harnesses and red and black power cables have been unplugged from the winch, remove the winch by pushing upward and pull towards you to release it from the vehicle.
6. Remove the switch wiring harness completely from the vehicle.



7. Remove the grill by twisting the two grill lock tabs (located at the top corners of the grill) counter-clockwise.
8. Remove the two lower torx head screws from the lower bumper cover.

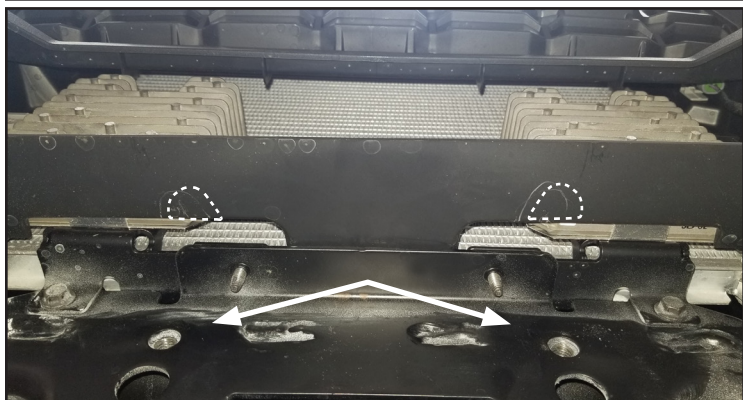


9. Remove the push/pull pins from each side of the front plastic and remove the front plastic and set aside.

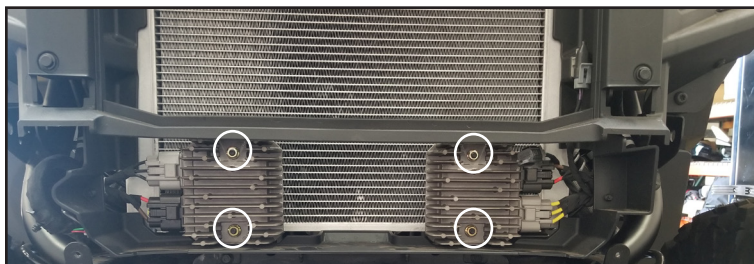


INSTALLATION INSTRUCTIONS

10. Once the front plastic is removed, hold the winch mount (A1) in place and mark where the rear winch mounting bolts might interfere with the remaining plastic shielding.



11. Before trimming excess, remove the rectifiers (two screws each), to be sure they won't get damaged during trimming.

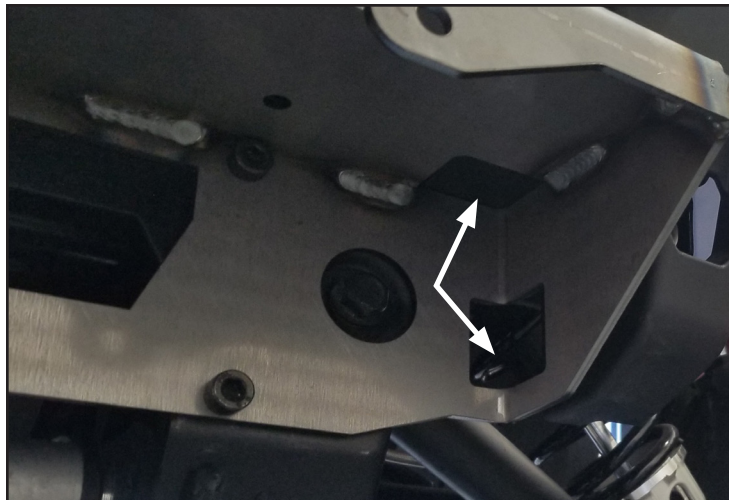


⚠ WARNING Always use extreme caution when drilling on any vehicle. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when/if drilling on the vehicle.

12. Carefully drill plastic using a step drill or cut by hand with your tool of choice.



13. Once plastic is trimmed, install the winch mount using the four M10 bolts (B1).
14. Re-install the rectifiers. **OPTION:** You can wait to install the rectifiers until after you have installed the winch for easier winch installation.
15. Install the winch fairlead to the winch mount using hardware supplied in your winch kit.
16. Following your winch installation guide, pre-install the power leads to the winch motor before installing the winch to the mount.
17. Place winch on the winch mount and route power cables out the supplied access hole of your choice.



18. Secure the winch to the winch mount using hardware and following instructions supplied in your winch kit.
19. Tighten all hardware now.
20. Route winch power cables up and along vehicle frame towards vehicle battery. **Be sure to route wires/cables away from sharp edges, heat and moving parts. Zip tie along the way to keep cables/wiring in place.**
21. With winch in freespool (disengage clutch), feed winch rope through mount's fairlead opening and thread through the fairlead. **NOTE: For synthetic winch rope applications, slide the abrasion sleeve on before installing hook.**
22. Install hook/hook strap combo to winch rope.
23. Complete winch wiring to battery and reinstall vehicle's battery connections.

