INSTALLATION INSTRUCTIONS
WINCH MOUNT KIT
Part Number: 108170
Application: 2021 Polaris Ranger 1000

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.

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⚠ 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.

Read installation and operating instructions thoroughly.

NOTES

BEFORE YOU BEGIN

This instruction is written as if you already have a winch installed. If you do not have your winch installed, please do so prior to this instruction.

TABLE OF CONTENTS

Tools Required ..... page 2
Parts List ..... page 3
Torque Specifications ..... page 3
Installation ..... page 4-6
Maintenance/Care ..... page 6

TOOLS REQUIRED

- Standard wrenches
- Standard sockets

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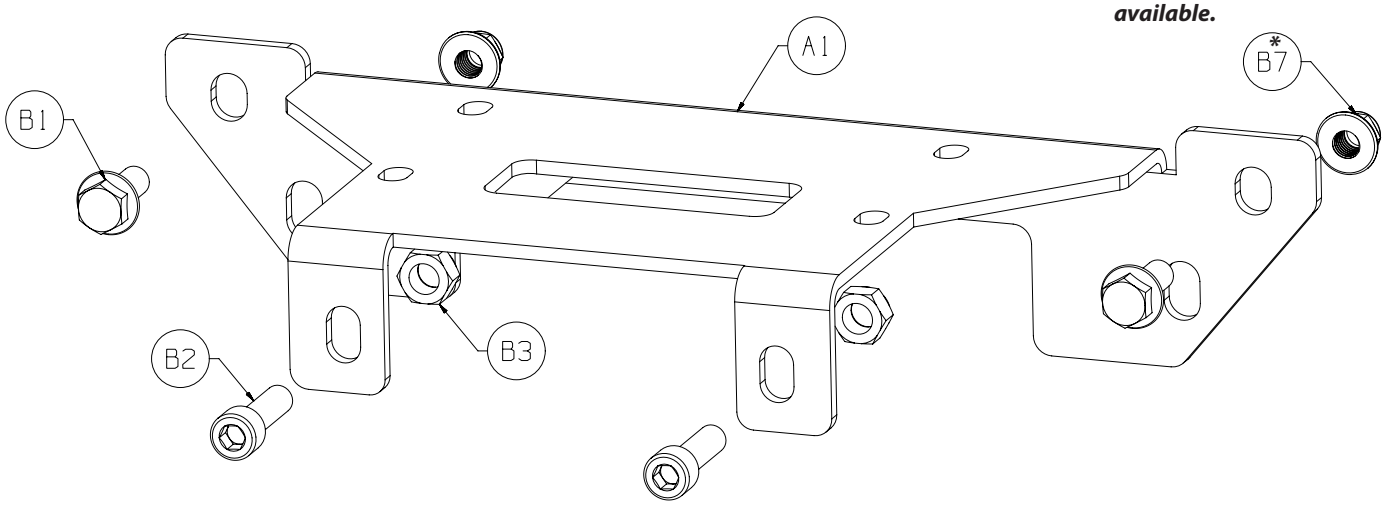
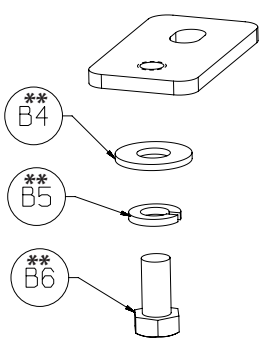
PARTS LIST

ITEM	PN	DESCRIPTION	QTY
A1	108171	WINCH MOUNT	1
***A2**	***102983**	***BUMPER SPACER**	***2**

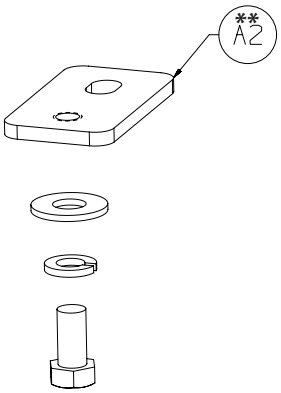
ITEM	PN	DESCRIPTION	QTY
B1	79462	M10 -1.5 FLANGE HEAD BOLT	2
B2	87165	M10 SOCKET HEAD CAPSCREW	2
B3	69807	M10-1.5 LOCK NUTS	2
***B4**	***2195**	***3/8 PLAIN WIDE WASHER**	***2**
***B5**	***1829**	***3/8 LOCK WASHER**	***2**
***B6**	***2228**	***3/8-16 CAP SCREW**	***2**
***B7**	***87232**	***M10 LOCKING FLANGE NUT**	***2**

***OPTIONAL: Use M10 locking nut only if threaded hole is not available.**





***OPTIONAL: Use only if AXON winch is installed.**



TORQUE SPECIFICATIONS

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

FASTENER SIZE	*FASTENER TORQUE*	
	lb-ft	*(N.m)*
1/4"	8	(11)
5/16"	17	(23)
3/8"	30	(40)
7/16”	48	(66)
1/2"	74	(100)
9/16”	106	(144)
5/8"	148	(200)
3/4”	269	(364)

FASTENER SIZE	*FASTENER TORQUE*	
	lb-ft	*(N.m)*
M4	(2)	3
M5	(4.5)	6
M6	(7.5)	10
M8	(18)	25
M10	(37)	50

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INSTALLATION INSTRUCTIONS

1. Remove grille by depressing the two grille tabs and pull up and outward on grille to release from vehicle.

Figure 1

2. Remove the lower front bumper mounting hardware (each side). Retain hardware.

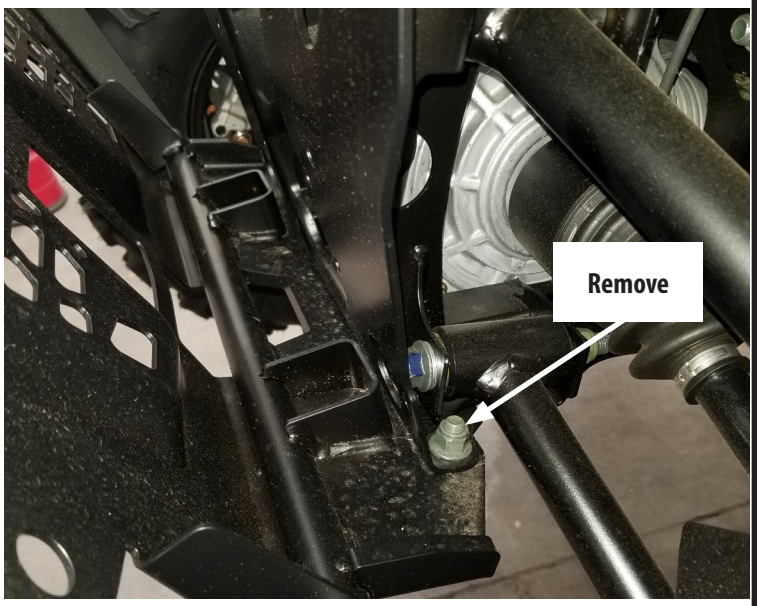

Figure 2

3. While supporting bumper, remove the top mounting hardware. Retain hardware.

4. Remove bumper and set aside.

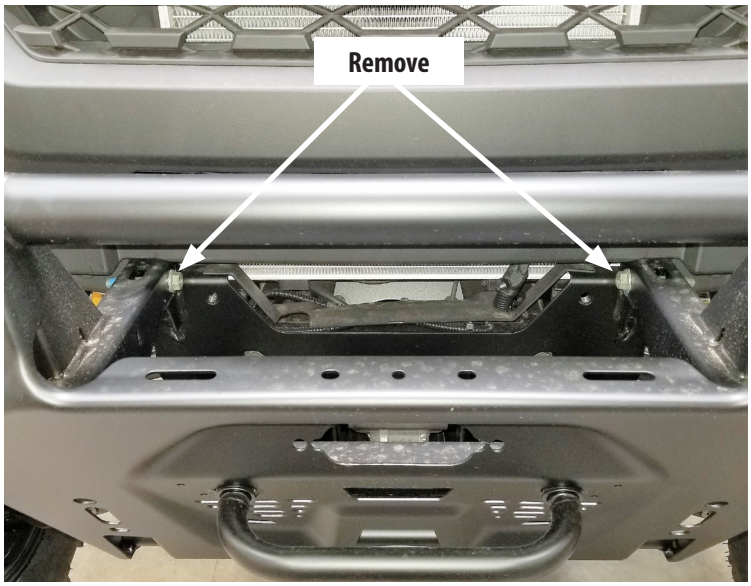

Figure 3

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5. Install the mount using the provided 10mm flange head bolts (B1).

   NOTE: Lock nuts (*B7) are provided if your vehicle does not have the threaded hole provided in the frame.

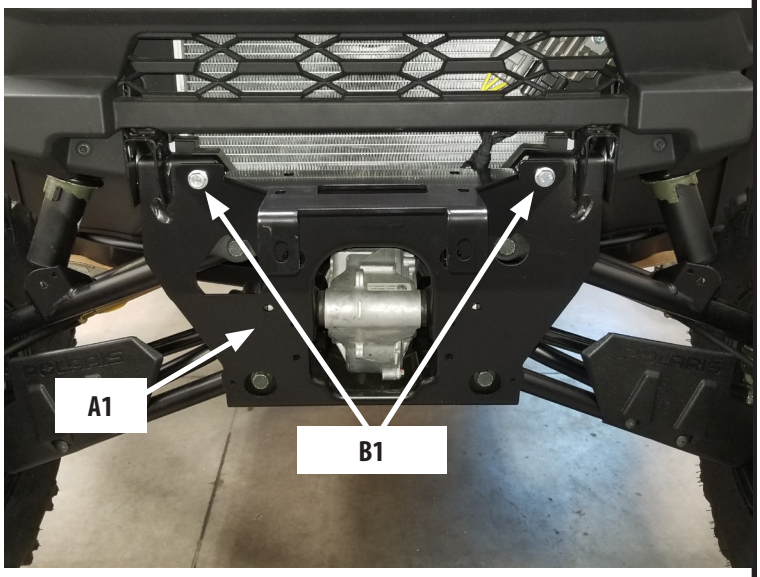

Figure 4

NOTE: In some cases it may be easier to attach the power leads to the winch before installing the winch.

6. Insert winch, feet up and with the red clutch handle facing the passenger side of the vehicle.
7. Install winch to mount, using the M8 bolts provided in your winch kit.

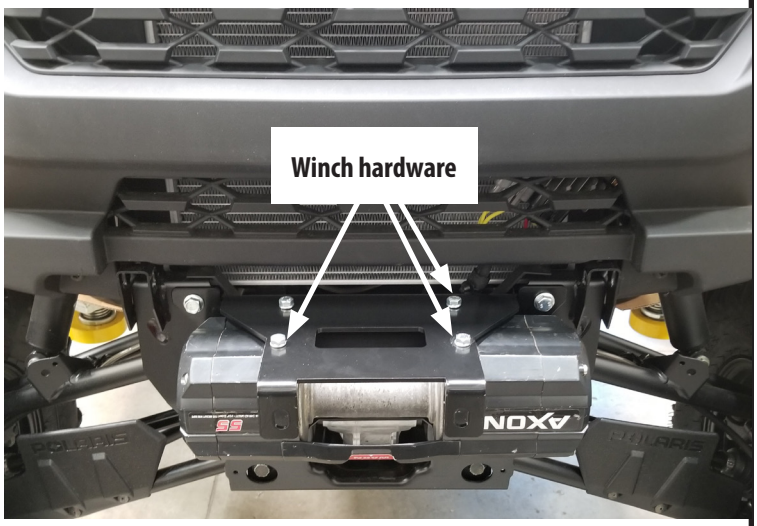

Figure 5

8. Reinstall the bumper using factory hardware.
   NOTE: Image is showing optional AXON winch hardware installed.

   OPTIONAL: If an AXON winch is installed you will need to use two spacers (A2), washers (B4), lockwashers (B5) and bolts (B6) provided to swing the bottom of the bumper forward as to not interfere with the winch. All other winches do not require the spacers.

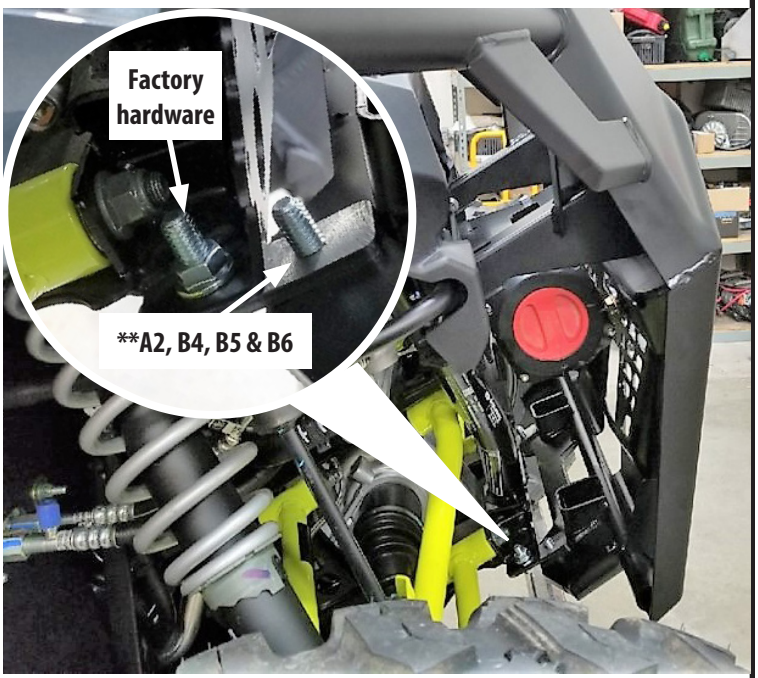

Figure 6

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INSTALLATION INSTRUCTIONS

9. With winch in freespool (disengage clutch), feed winch rope through mount and bumper's fairlead opening and thread through fairlead.

10. Install fairlead from your winch kit using M10 hardware (B2) and (B3) provided in this kit.

11. Connect your blue and yellow winch cables to winch motor, per winch installation instruction.

    NOTE: For synthetic winch rope applications, slide the abrasion sleeve on before installing hook.

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

13. Tighten **ALL** hardware per torque specifications on page 3.

Figure 7

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.

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