



INSTALLATION INSTRUCTIONS

WINCH MOUNTING KIT

Part Number: 90930
Application: 2013 Polaris Ranger XP 900 2013

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

INJURY HAZARD

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

- ❑ **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:**
 - Across any sharp edges.
 - Through or near moving parts.
 - 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 and operation.
- ❑ **Always** perform regular inspections and maintenance on the winch, winch mount and related hardware.
- ❑ **Never** operate this **WARN** product with damaged or missing parts.

⚠ Caution
Moving Parts Entanglement Hazard
Failure to observe these instructions could lead to minor or moderate injury.
<input type="checkbox"/> Always take time to fully read and understand the installation and Operations Guide included with this product. <input type="checkbox"/> Never operate this product if you are under 16 years of age. <input type="checkbox"/> Never operate this product when under the influence of drugs, alcohol or medications.
Read installation and operating instructions thoroughly.

Notice
Equipment Damage
<input type="checkbox"/> 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.

BEFORE YOU BEGIN

Before you begin disconnect the positive battery lead from the battery.

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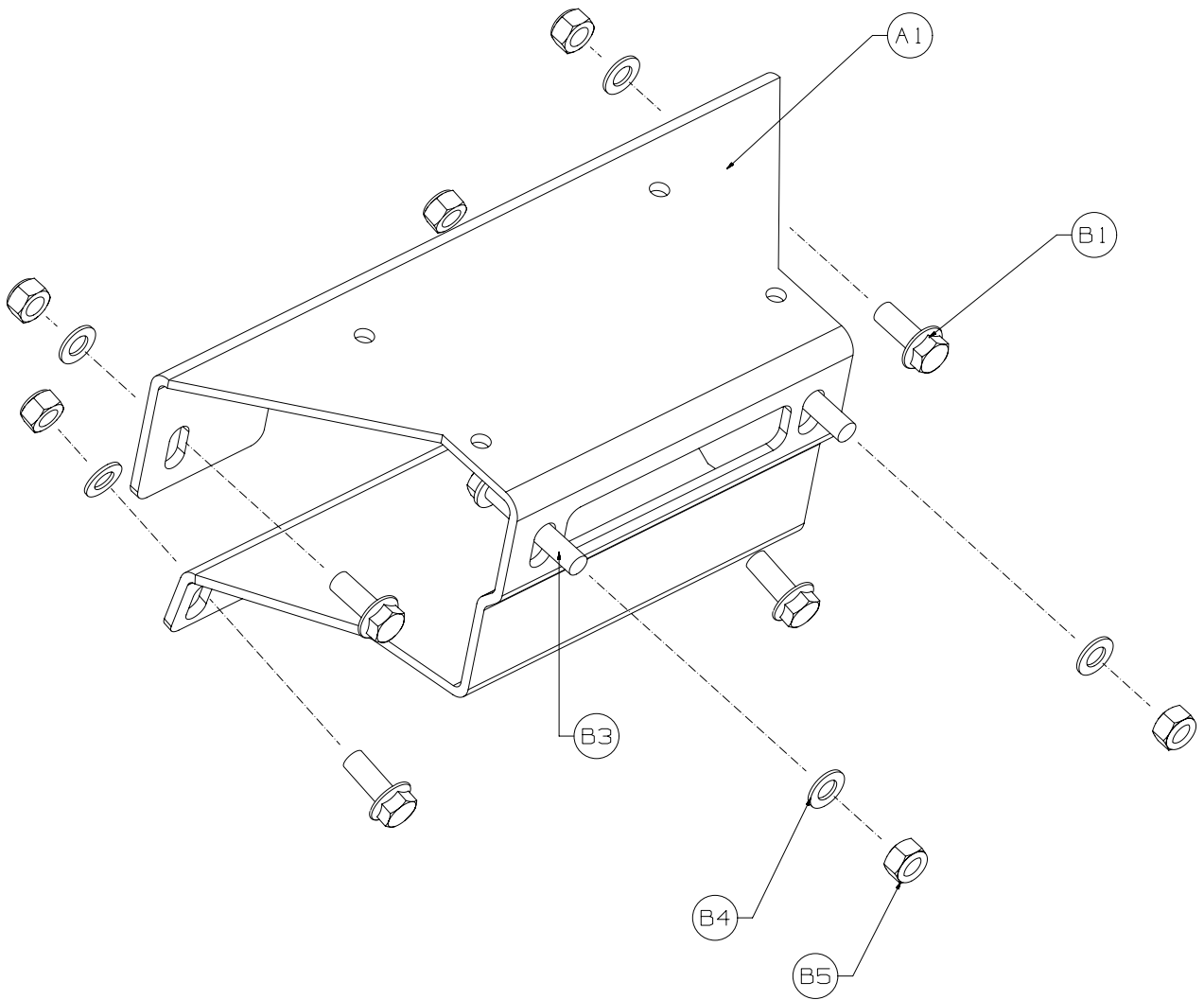
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TORQUE SPECIFICATIONS

1/4, 6MM	8 lb. ft. (10.8 N-m)
5/16, 8MM	17 lb. ft. (12.5 N-m)
3/8, 10MM	30 lb. ft. (40.7 N-m)
7/16, 11MM	50 lb. ft. (67.8 N-m)
1/2, 12MM	75 lb. ft. (101.7 N-m)

TOOLS REQUIRED

- Metric Socket Set
- #27 Torx screwdriver
- Metric Wrench Set
- Socket Driver



PARTS LIST

<i>No.</i>	<i>Part Number</i>	<i>Qty</i>	<i>Description</i>
A1	90923	1	Brkt, Winch Polaris Ranger XP 900
B1	79462	4	Capscrew M10 X 1.25 X 25MM Black
B2	78803	2	Capscrew M10 X 1.25 X 5MM Magni 565
B3	29926	6	Washer, Plain 3/8 Type A
B4	79463	6	Nut M10 x 1.25 Black Zinc

INSTALLATION

1. Remove the plastic grill from the center of the bumper using a torx bit driver. Remove the bolts from the bottom of the bumper as shown in figure 1.



Figure 1

2. On the back side of the bumper remove the top two mounting bolts so the bumper can be removed from the vehicle.



Figure 2

3. Install the winch mount bracket to the vehicle using the M10 bolts, washers, and lock nuts supplied in the hardware kit. Before you tighten, slide the bracket upwards before tightening the hardware.

Note: If you are installing a plow mount at the same time as the winch mount, leave the bottom to fasteners out at this time.



Figure 3

INSTALLATION CONT.

4. Before the winch is installed, install the two longer bolts supplied in your kit through the two front holes in your winch mount as shown in figure 4.



Figure 4

5. Install the winch into the winch mount at this time, notice the red handle should be on the passenger side of the vehicle. Install the M8 bolts supplied in your winch kit and tighten. Attach the yellow and blue cable also for ease in installation.



Figure 5

6. Reinstall the bumper aligning the two long bolts in the front of the winch mount, through the two front holes in the bumper. Reinstall all bumper mounting hardware at this time.

NOTE: If installing a front plow mount, leave the bottom to bolts, and nuts out of the bottom of the bumper until you have the front plow mount in place.



Figure 6

INSTALLATION CONT.

7. Reattach the plastic grill you removed in step 1 making sure you pull the fairlead bolts through the holes.
8. Attach the fairlead making sure to pull the winch cable or synthetic rope through the bumper and the fairlead before tightening your hardware.
9. Attach the winch hook and safety hook strap supplied in your winch kit. The installation of the winch mount is complete. Read all your winching instructions and manuals before operating your winch for the first time.



Figure 7



Figure 8

⚠ WARNING

READ THE VEHICLE'S OPERATOR MANUAL, WINCH OPERATOR MANUAL, AND ALL WARNING LABELS PRIOR TO OPERATION OF UTV AND WINCH.

THE WINCH MOUNTING PLATE INSTALLATION IS NOW COMPLETE.

- **Wire winch according to instructions found in winch kit.**

PROCEED TO SECTION TITLED "MAINTENANCE/CARE".

⚠ WARNING

FAILURE TO SECURELY TIGHTEN ALL BOLTS ON THE WINCH PLATE, WINCH, AND FAIRLEAD CAN RESULT IN PRODUCT FAILURE WHICH MAY RESULT IN VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH. DOUBLE CHECK THAT ALL BOLTS ARE SECURELY TIGHTENED PRIOR TO USE.

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.

⚠ WARNING

PERFORM REGULAR INSPECTIONS ON THE WINCH, WINCH MOUNT, AND RELATED HARDWARE. NEVER OPERATE THE WINCH WITH DAMAGED OR MISSING PARTS. FAILURE TO FOLLOW THIS WARNING MAY CAUSE VEHICLE DAMAGE AND OPERATOR INJURY OR DEATH.