



# Polaris RZR and RZR-S

## Front Bumper Installation Instructions

Part Number: 101702

Application: 2018 Polaris RZR and RZR-S 900 and 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:
  - 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 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.

WARN INDUSTRIES, INC. 12900 S.E. Capps Road,  
Clackamas, OR USA 97015-8903, 1-503-722-1200, FAX: 1-503-722-3000  
Customer Service: 1-800-543-9276  
Dealer Locator Service: 1-800-910-1122  
International Fax: 1-503-722-3005

## ⚠ 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

- **Never** tow vehicle by attaching a tow bar to the eyelets on the bumper.
- **Never** attach tow bars directly to the bumper. Damage to bumper may occur. WARN bumpers are not designed to be used for flat towing. Consult with the manufacturer of your tow bar system for the proper vehicle tow bar brackets..

Read installation and operating instructions thoroughly.

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## TOOLS REQUIRED

- Metric wrenches
- Metric sockets
- Air reciprocating saw or a single hack saw blade.

## TORQUE SPECIFICATIONS

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

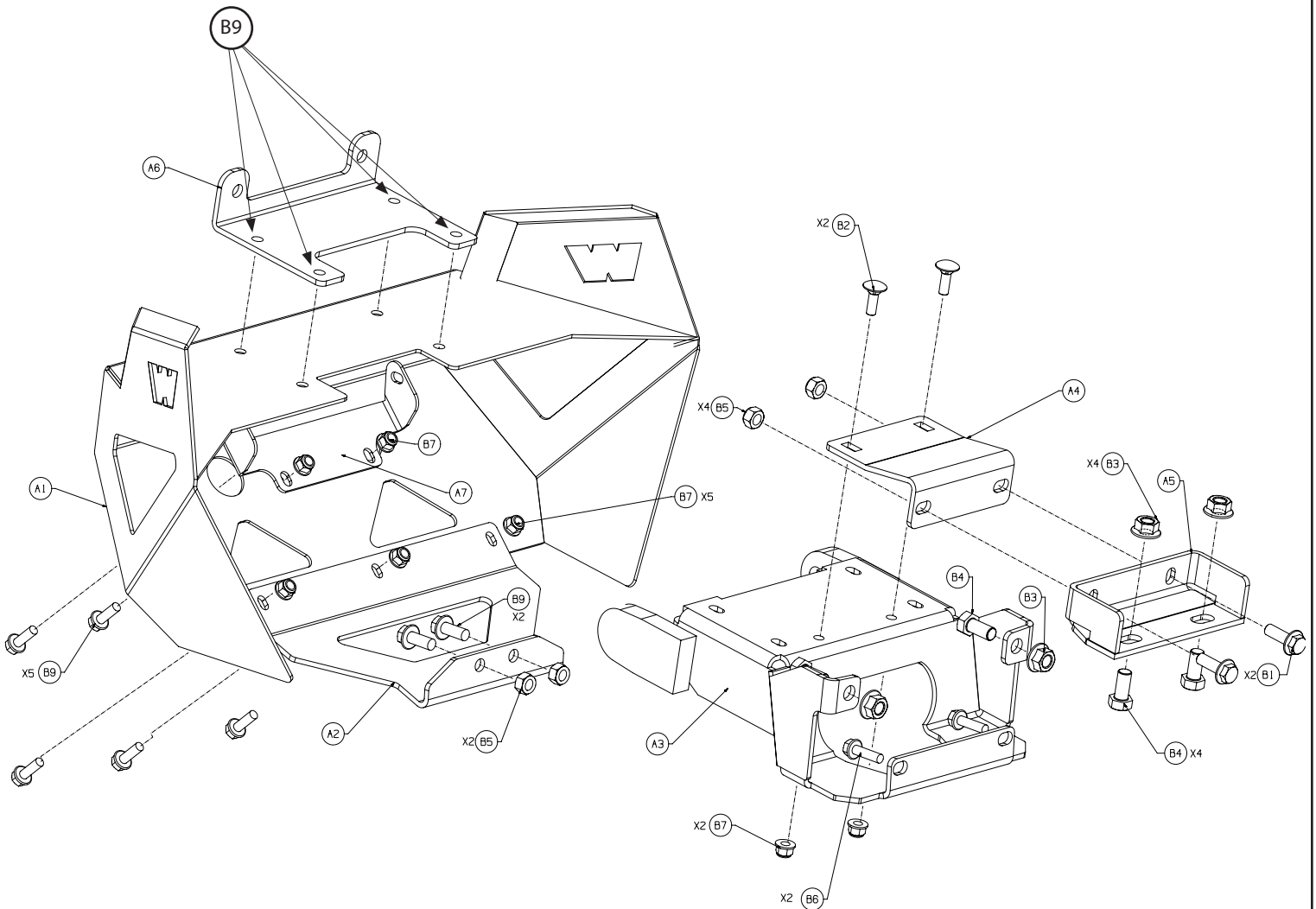
| FASTENER SIZE |       |       | FASTENER TORQUE |       |       |
|---------------|-------|-------|-----------------|-------|-------|
|               | lb-ft | (N.m) |                 | lb-ft | (N.m) |
| 1/4"          | 8     | (11)  | M4              | (2)   | 3     |
| 5/16"         | 17    | (23)  | 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) |                 |       |       |

## BEFORE YOU BEGIN

**THIS IS A 2-SIDED INSTRUCTION.** One side covers the Polaris RZR and RZR-S, the other side covers the RZR Turbo.

## PARTS LIST

| ITEM | PART NUMBER | DESCRIPTION             | QTY | ITEM | PART NUMBER | DESCRIPTION        | QTY |
|------|-------------|-------------------------|-----|------|-------------|--------------------|-----|
| A1   | 102207      | BUMPER                  | 1   | B1   | 78408       | M10 HEX HEAD BOLT  | 2   |
| A2   | 102215      | LOWER SUPPORT BRACKET   | 1   | B2   | 79883       | M8 CARRIAGE BOLT   | 2   |
| A3   | 102235      | UPPER MOUNTING BRACKET  | 1   | B3   | 79465       | M12 FLANGE NUT     | 4   |
| A4   | 94891       | UPPER MOUNTING PLATE    | 1   | B4   | 79464       | M12 HEX BOLT       | 4   |
| A5   | 94890       | BUMPER MOUNTING BRACKET | 1   | B5   | 79463       | M10 LOCK NUT       | 4   |
| A6   | 102229      | FAIRLEAD MOUNTING PLATE | 1   | B6   | 64110       | M8 HEX HEAD BOLT   | 2   |
| A7   | 102527      | LIGHT MOUNTING BRACKET  | 1   | B7   | 71588       | M8 FLANGE LOCK NUT | 7   |
|      |             |                         |     | B8   | 79462       | M10 HEX HEAD BOLT  | 2   |
|      |             |                         |     | B9   | 65970       | M8 HEX HEAD BOLT   | 9   |



## RZR and RZR-S Vehicle Instructions

1. Remove hood (two screws).
2. Remove the two screws that hold the small cover piece to the front plastic fascia.
3. Remove the top two center screws, two top corner screws (four total) and two bottom center screws of plastic fascia.
4. Unplug each headlight as you begin to pull the front plastic away.
5. Remove plastic fascia completely and carefully set aside (save hardware).
6. Install the lower support bracket (A2) using the two flange head bolts (B9) and locknuts (B5). Do not tighten completely to allow movement in the bracket.
7. Remove the two top factory screws.
8. Install bumper mounting bracket (A5) and the two 12mm bolts (B4) with the 12mm nuts (B3).
9. Use the two 10mm bolts (B1) to align the bracket as you tighten the two 12mm bolts.



Figure 1

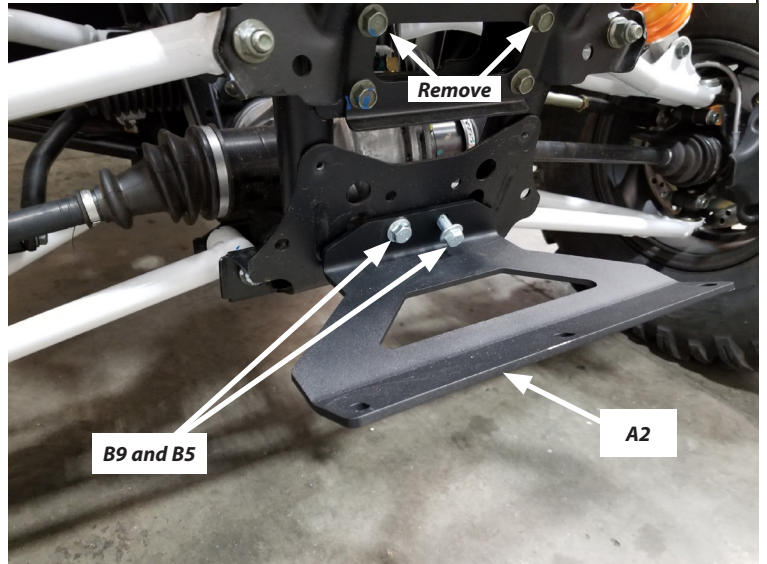


Figure 2

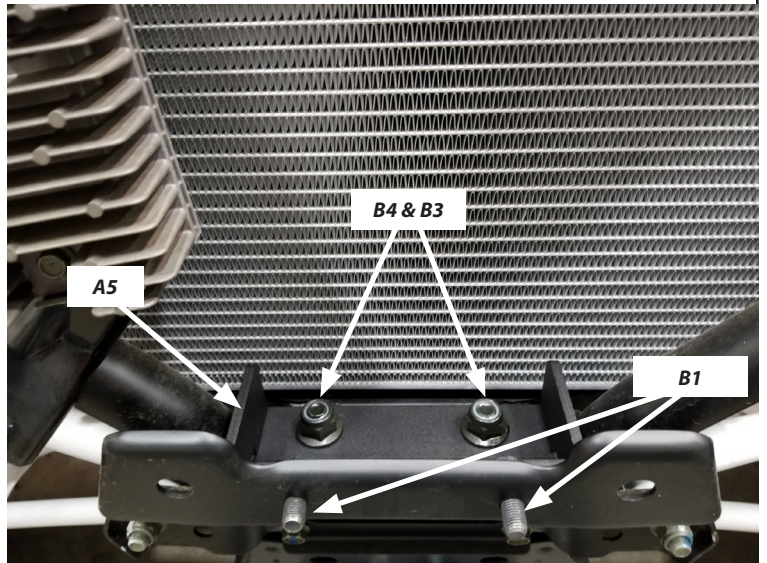


Figure 3

10. Install the upper mounting bracket (A3) using the supplied 12mm bolts (B4) and nuts (B3). Do not tighten completely.
11. Install the supplied 8mm flange head bolts (B6) into the holes that you previously removed the factory installed 8mm screws. Do not tighten.

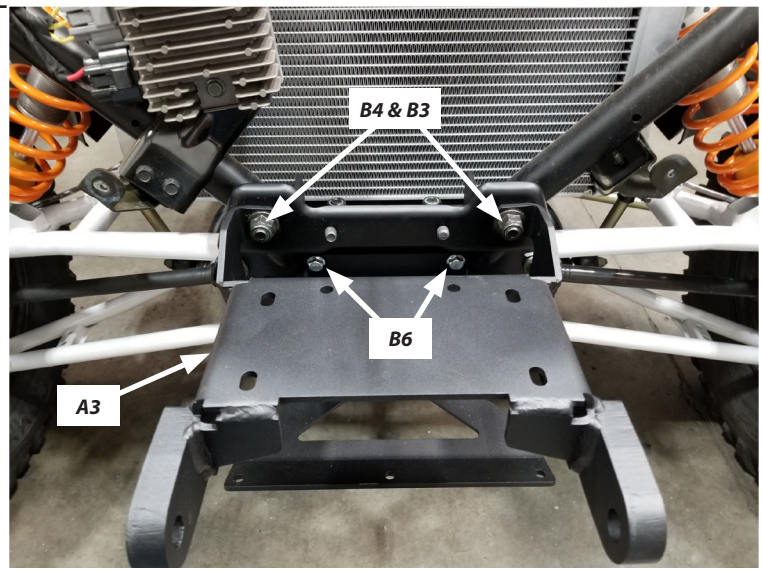


Figure 3

12. Install upper mounting plate (A4) to the upper mounting plate.
  - a. Insert over the 10mm bolts (installed in step 9).
  - b. Secure with two 8mm carriage bolts (B2) and 8mm flange nuts (B7).
  - c. Install the 10mm flange nuts to the 10mm bolts.
  - d. Tighten.

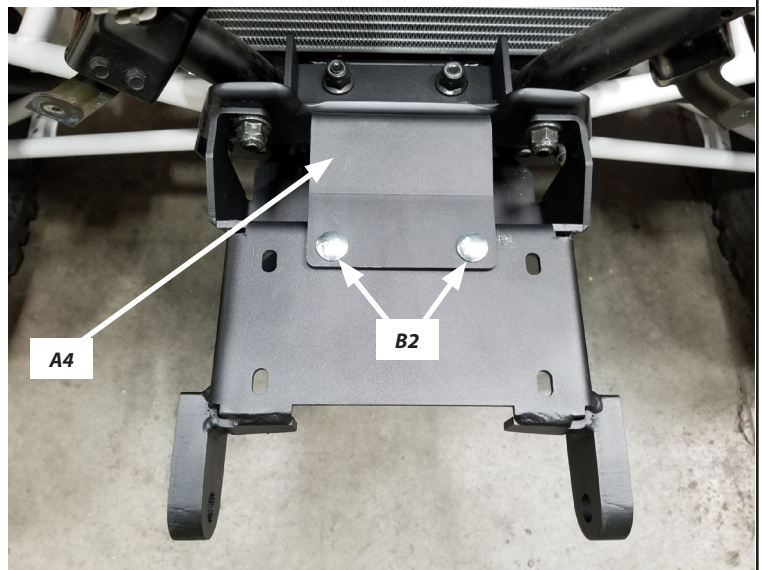


Figure 4

13. To allow you to slip the front fascia over the mounting brackets, trim the plastic where the center panel was previously removed.



Figure 5

14. Install the light bracket (A7) to bumper using the supplied 8mm bolts (B9) and lock nuts (B7).
15. If you have a light bar, install now. **NOTE: Only 6" bar will fit.**

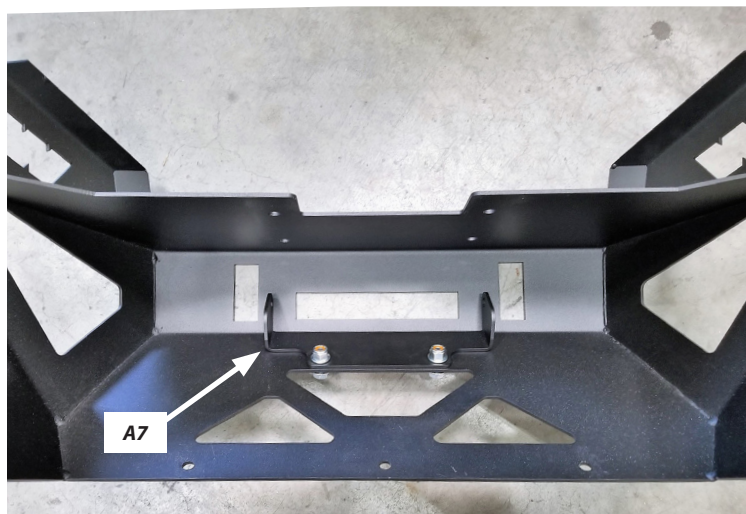


Figure 6

16. Place the front plastic back into position and secure with previously removed hardware.



Figure 7

17. Slide the bumper (A1) over the d-ring loops in upper mounting bracket.
18. Align the winch mounting holes in bumper and bracket.
19. *Loosely* install the lower three bolts (B9) and lock nuts (B7) as shown.

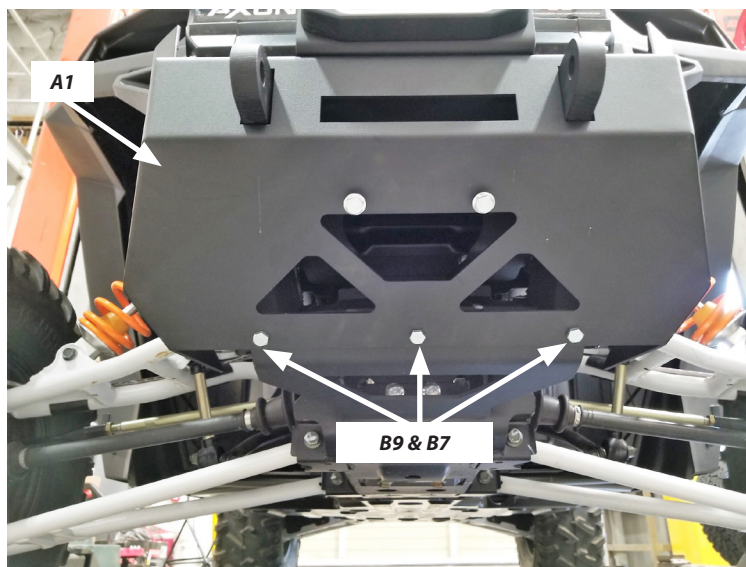


Figure 8

20. Locate the supplied fairlead bracket and attach the fairlead with the hardware that comes with your winch kit.
21. Set the fairlead bracket (A6) on top of the bumper (aligning all the holes). Refer to exploded view.
22. Lower the winch onto the fairlead bracket.
23. Mount winch using four of the M8 bolts (B9) included in this kit.

Complete winch wiring using your winch installation instructions.

24. Tighten ALL hardware at this time.
25. Install your wiring per your winch installation instructions.
26. Your installation is complete.



**Figure 9**

## 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.



# Polaris RZR Turbo

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Application: 2018 Polaris RZR and RZR-S 900 and 1000

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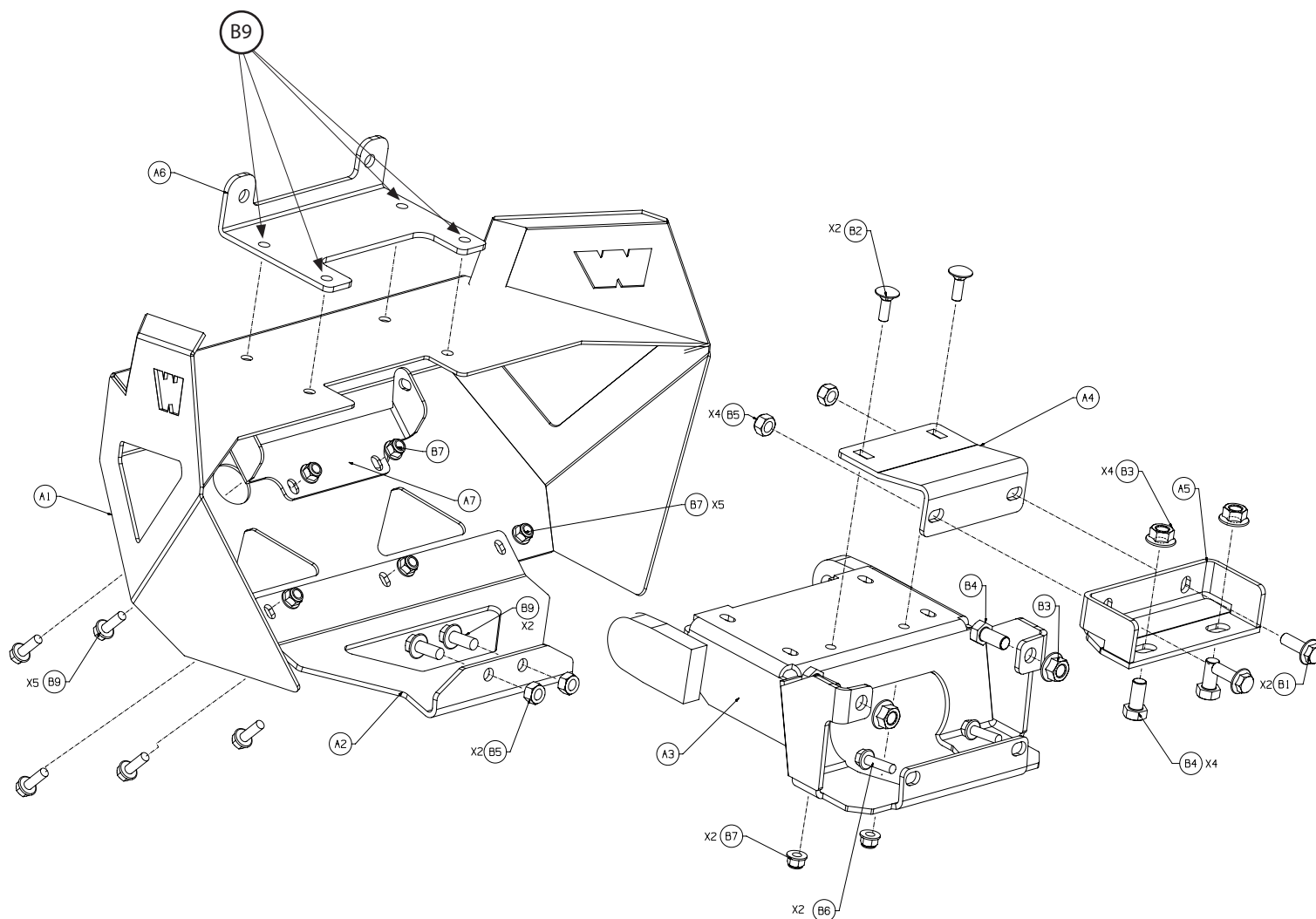
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|      |             |                         |     | B8   | 79462       | M10 HEX HEAD BOLT  | 2   |
|      |             |                         |     | B9   | 65970       | M8 HEX HEAD BOLT   | 9   |



# RZR Turbo Vehicle Instructions

1. Remove hood (two screws).
2. Remove the two screws that hold the small cover piece to the front plastic fascia.
3. Remove the top two center screws, two top corner screws (four total) and two bottom center screws of plastic fascia.
4. Unplug each headlight as you begin to pull the front plastic away.
5. Remove plastic fascia completely and carefully set aside (save hardware).
6. Install the lower support bracket (A2) using the two flange head bolts (B9) and locknuts (B5). Do not tighten completely to allow movement in the bracket.
7. Remove the two top factory screws.

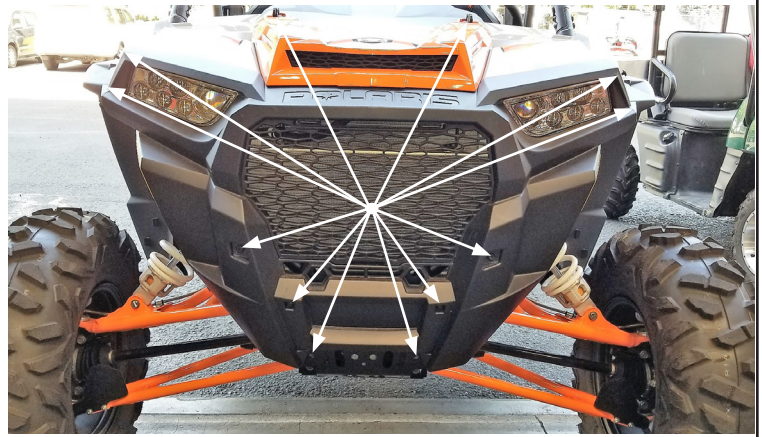


Figure 1

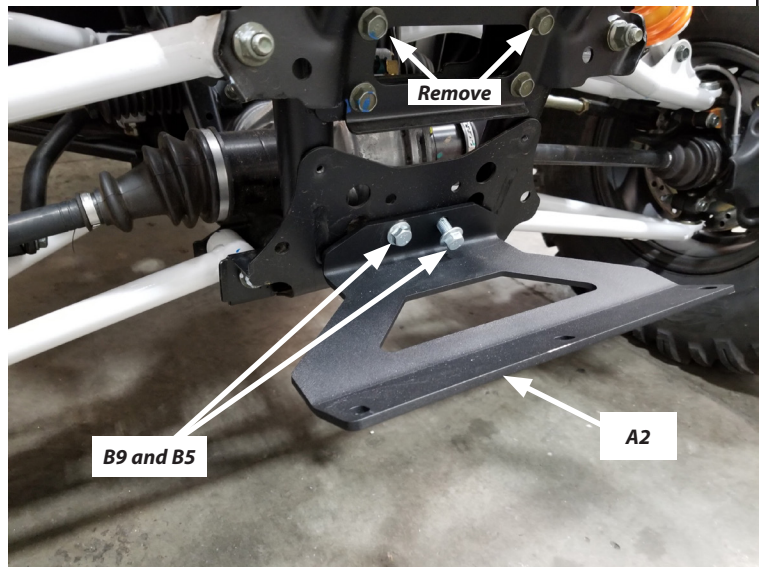


Figure 2

8. Install bumper mounting bracket (A5) and the two 12mm bolts (B4) with the 12mm nuts (B3).
9. Use the two 10mm bolts (B1) to align the bracket as you tighten the two 12mm bolts.

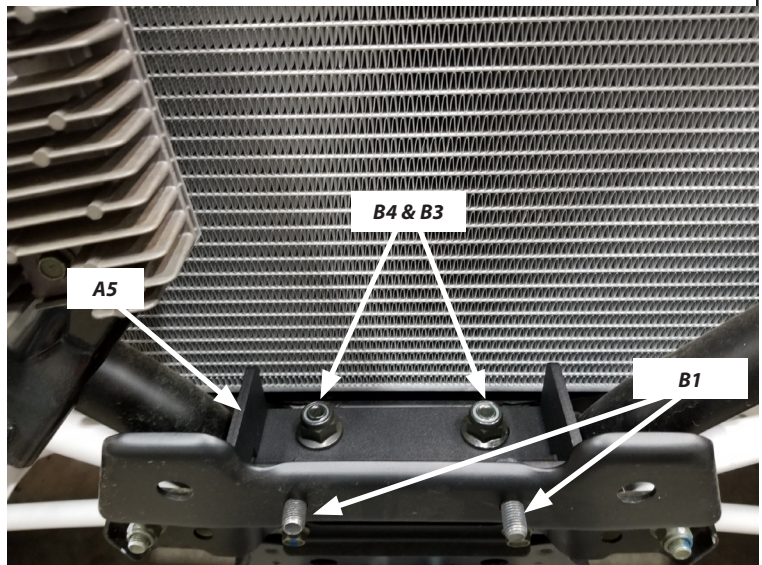


Figure 3

10. Install the upper mounting plate (A4).
  - a. Install over the 10mm bolts (B1) (*installed in step 9*).
  - b. Install the 10mm flange nuts (B5) to the 10mm bolts.
  - d. Tighten.

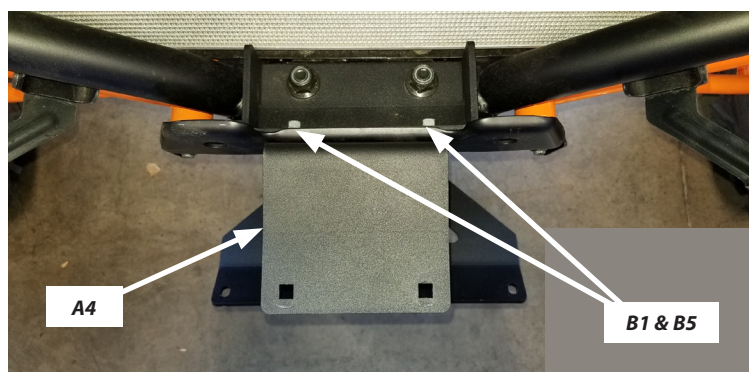


**Figure 3**

11. Place front plastic fascia on flat surface.
12. With a paint pen or oil marker, mark where we indicate in Figure 4.



**Figure 4**

13. Carefully cut along marked lines.



**Figure 5**

14. Re-install your front plastic, using the previously removed factory hardware.

**NOTE:** You will not be reinstalling the small front cover piece.

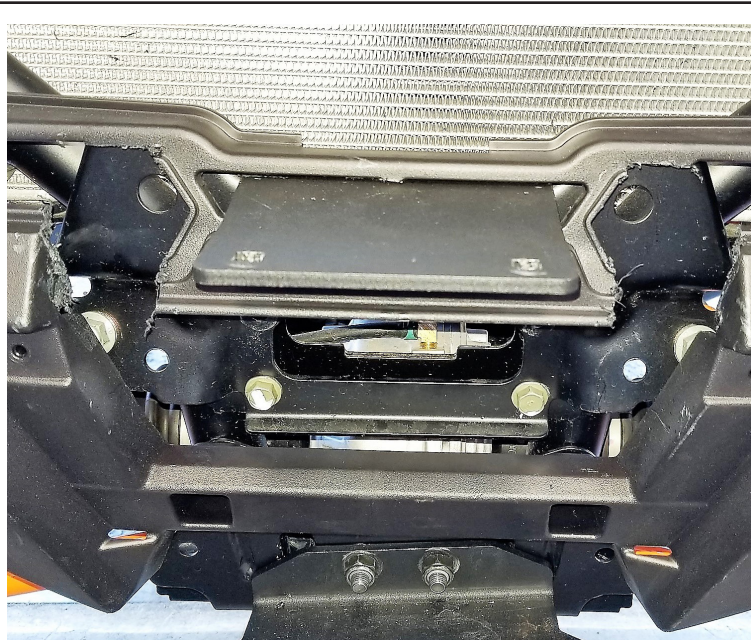


Figure 6

15. Install the upper mounting bracket (A3) using the supplied 12mm bolts (B4) and nuts (B3). Do not tighten completely.

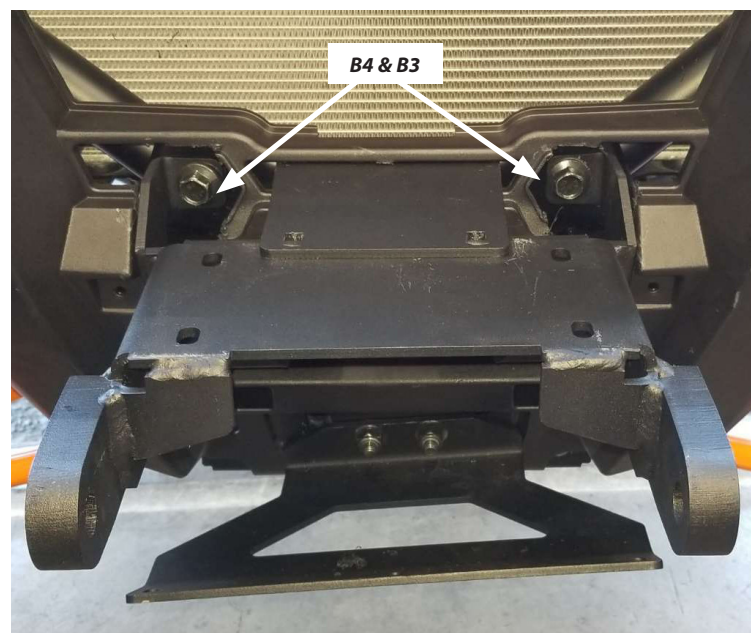


Figure 7

11. Install the supplied 8mm flange head bolts (B6) into the holes where you previously removed the factory installed 8mm screws. Do not tighten completely. Refer to exploded view on page 3.

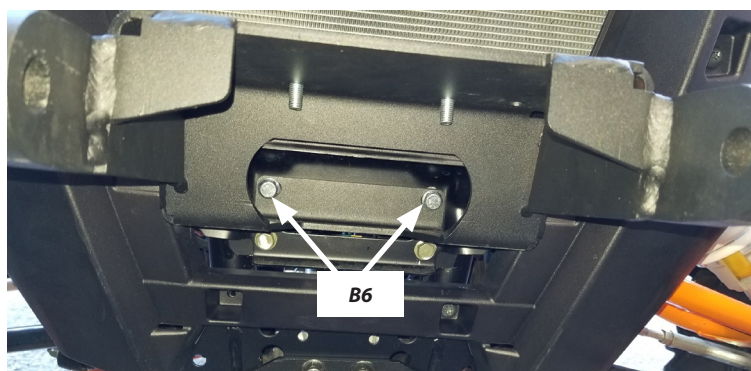


Figure 8

12. Secure upper mounting plate (A4) to the upper mounting plate with two 8mm carriage bolts (B2) and 8mm flange nuts (B7).

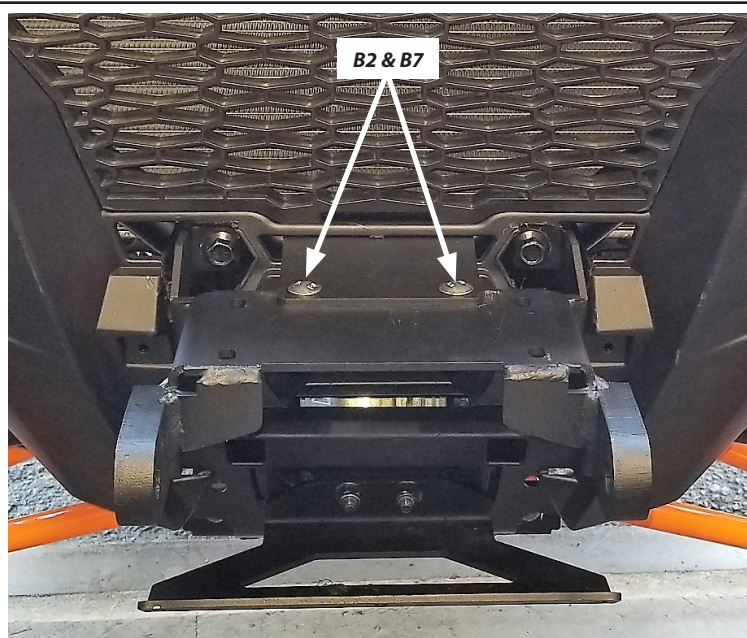


Figure 9

14. Install the light bracket (A7) to bumper using the supplied 8mm bolts (B9) and lock nuts (B7).
15. If you have a light bar, install now. **NOTE: Only a 6" light bar will fit.**

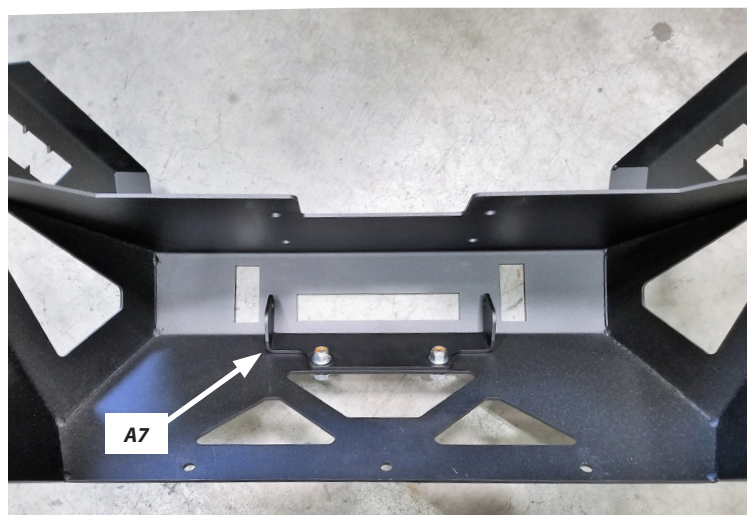


Figure 10

17. Slide the bumper (A1) over the d-ring loops in upper mounting bracket.
18. Align the winch mounting holes in bumper and bracket.
19. Loosely install the lower three bolts (B9) and lock nuts (B7) as shown.

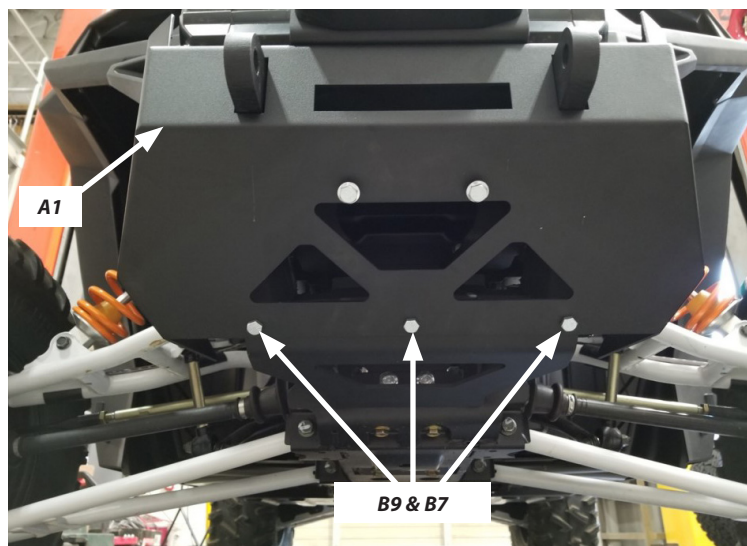


Figure 11

20. Locate the supplied fairlead bracket and attach the fairlead with the hardware that comes with your winch kit.
21. Set the fairlead bracket (A6) on top of the bumper (aligning all the holes). Refer to exploded view.
22. Lower the winch onto the fairlead bracket.
23. Mount winch using four of the M8 bolts (B9) **included in this kit.**

Complete winch wiring using your winch installation instructions.

24. Tighten ALL hardware at this time.
25. Install your wiring per your winch installation instructions.
26. Your installation is complete.

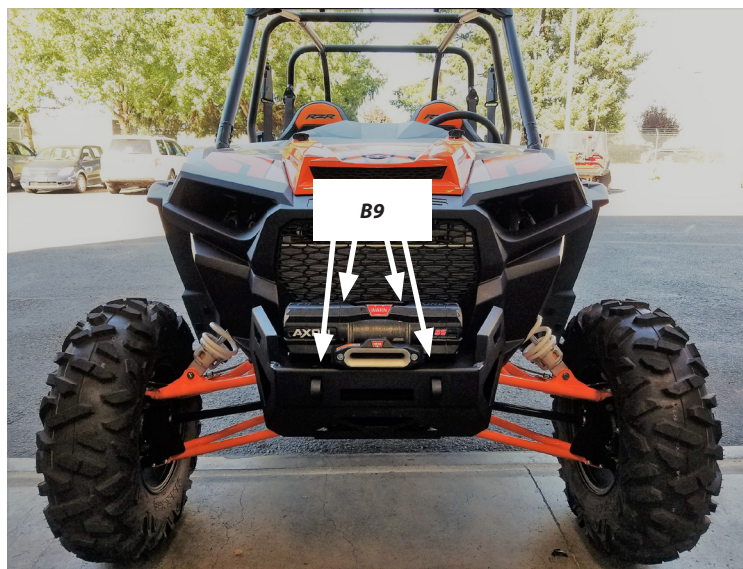


**Figure 12**

## 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.
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