



INSTALLATION INSTRUCTIONS

CHASSIS BODY ARMOR KIT

Part Number: 88220

Application: 2011 + Polaris Ranger XP

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 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.
- 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.
- Always replace all worn or damaged parts before operating.
- Never operate this WARN product with damaged or missing parts.
- Never work under vehicle before properly securing vehicle.

Read installation and operating instructions thoroughly.

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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.
- Part edges may be sharp!

Read installation and operating instructions thoroughly.

NOTICE

Equipment Damage

- Product may affect airflow to vehicle engine and drivetrain components.
- Installation of this accessory may affect vehicle warranty.
- This product will NOT protect vehicle from all impacts and terrain conditions.

Read installation and operating instructions thoroughly.

NOTES

- Apply electrical tape to clean dry vehicle components that will be in direct contact with aluminum skid plates. Tape will help protect painted finish against abrasion and can reduce tendency of squeaks.
- Raising the vehicle on a hoist or ramps may ease installation of this product.
- A second person may helpful in holding larger panels in place for hole drilling and fastening.
- Center punching drilling locations and drilling holes that are squared with vehicle will ensure proper installation of fasteners.

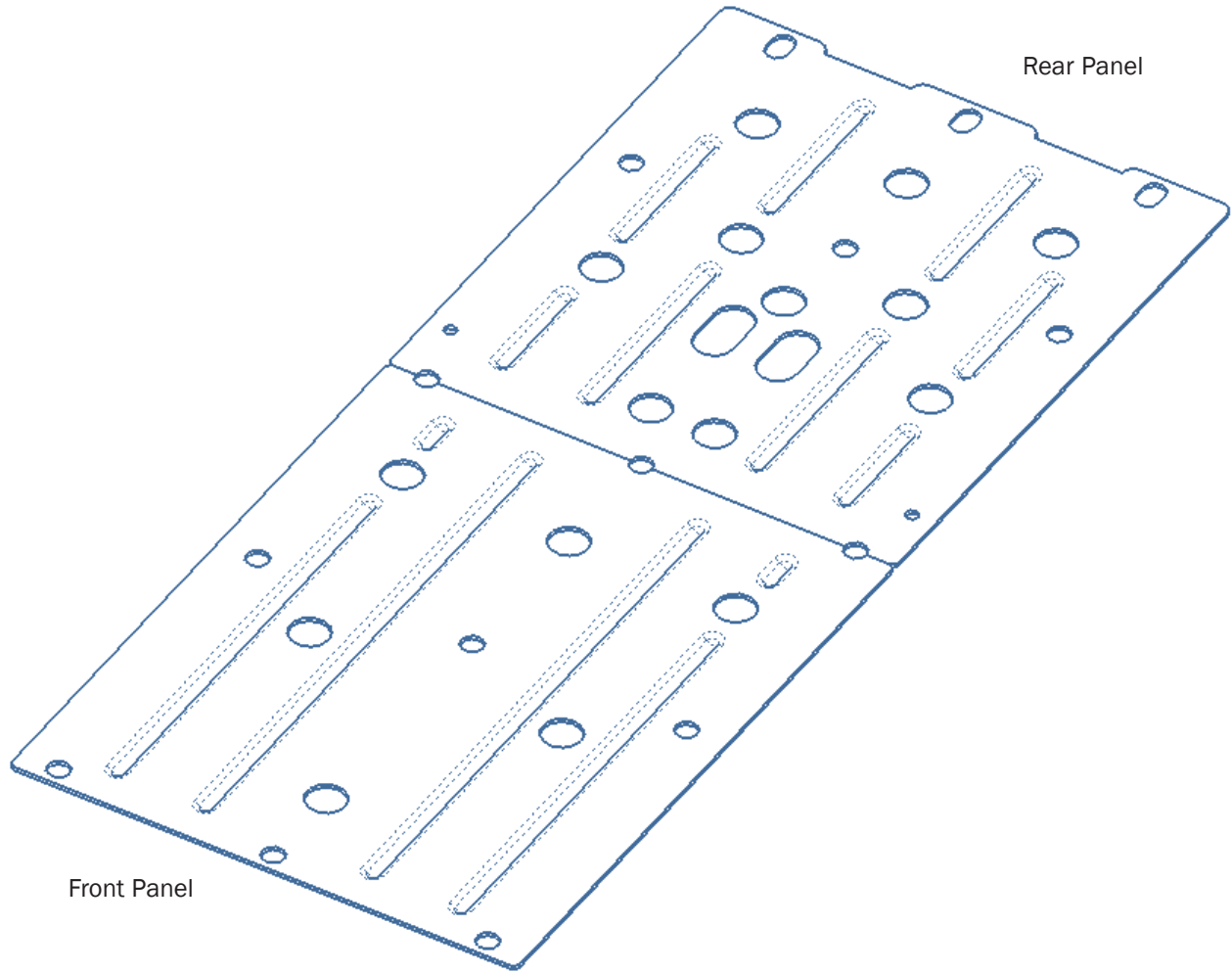
BEFORE YOU BEGIN

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PARTS LIST

<u>Reference</u>	<u>Part Number</u>	<u>Qty</u>	<u>Description</u>
A1	88224	1	Panel Front Chassis Body Armor
A2	88223	1	Panel Rear Chassis Body Armor



TOOLS REQUIRED

- #30 Torx Driver

TORQUE SPECIFICATIONS

1/4, M6 8 lb. ft. (10.8 N-m)

INSTALLATION INSTRUCTIONS

1. Remove the factory skid pan from underneath the unit by removing the Torx head fasteners that attach the skid pan to the frame. Retain these fasteners as they will be used to attach the Warn body armor panels, see figure 1.
2. Place the front body armor panel (A1) into position at the front of the unit.
3. Attach the front body panel (A1) using the Torx fasteners removed in step one. Do not tighten all the fasteners down at this point, it will be easier to remove the protective covering before all the fasteners are torqued down, see Figure 2.

Note: Use caution to ensure skid plate will not pinch wire harness when installed. Adjust wire harness position if needed so skid plate does not pinch harness.

4. Place rear body panel (A2) into position on the rear of the unit.
5. Attach the rear body panel (A2) using of the Torx fasteners removed in step one. Do not tighten all the fasteners down at this point, it will be easier to remove the protective covering before all the fasteners are torqued down, see Figure 2.
6. After removing the protective covering torque all the fasteners.
7. Installation is now complete.



Figure 1



Figure 2



Figure 3



Figure 4

MAINTENANCE / CARE

- Inspect all metal parts and related hardware. Replace all parts that appear corroded, cracked or deformed prior to use.
- Inspect all nuts and bolts and related hardware prior to each use. Tighten all nuts and bolts that appear to be loose. Stripped, fractured, or bent bolts or nuts need to be replaced immediately.
- Check skid plates protecting moving or rotating parts of the vehicle . Remove debris that may inhibit the part from moving freely. Removal of aluminum armor may be necessary to thoroughly clean and inspect both the vehicle and the aluminum underbody components. Frequency of removal will depend on the type of terrain conditions experienced. Regular cleaning will help keep product looking good and will help avoid damage to related components.

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