



# **JUGGERNAUT USA**

## **OFFROAD OUTFITTERS**

### **RAM PROMASTER BATTERY SKID PLATE INSTALL INSTRUCTIONS**

Install video [COMING SOON!](#)

Thanks for purchasing our lithium battery skid plate! Please let us know if you have any issues or questions!

Feel free to call or text (970) 341-4221 or  
Email: [sales@juggernautusa.com](mailto:sales@juggernautusa.com)

- 1) Jack up the rear end of the Promaster and place it on jack stands. Remove rear wheels and rear shocks to gain access to skid plate mounting bracket locations.

- 2) Remove the threaded stud circled in the picture below by cutting off with an angle grinder or saw. Repeat on both sides of vehicle, this will need to be cut flush with the frame.



- 3) Drill out circled holes to either 16mm or  $\frac{5}{8}$ " for Nutsert insert. Repeat on other side of vehicle.



- 4) With included Nutsert kit, open handles all the way on the Nutsert tool so that the threaded portion is fully extended. Thread M12 Nutsert insert on to the threads of the tool until bottomed out on the tool chuck as shown in the picture below.



- 5) Place tool into drilled out hole as seen in picture below and squeeze the handles together to compress the Nutsert insert and lock into frame. Once handles are fully compressed, use knob in the center of the tool to back out of installed Nutsert. Repeat for (4) holes that were drilled out in step 3.



Once Nutsert install is complete it should look like photo below.



- 6) Align frame brackets with Nutserts and install (4) M12 bolts and washers loosely to hold bracket up. Juggernaut logo will be facing outward.
- 7) Using the factory frame hole shown in the picture below place the provided M12 flag nut into hole to align with bracket. Once aligned install M12 bolt and washer and tighten.



8) Tighten M12 bolts from step 5. Repeat steps 6-8 on other side of vehicle.

- 9) Once both frame brackets are installed use (8) M12 bolts with a washer on each side and nylok M12 nut to install the (4) drop brackets [(2) per side]. Tighten top bolts from drop bracket to frame bracket.
- 10) Using (8) M12 bolts with a washer on each side and nylok M12 nut to install the slotted angle bracket to the bottom of the drop bracket. The longer side of the slotted angle bracket will be parallel to the ground. Leave these bolts loose to allow for adjustment.



- 11) Once all (4) slotted angle brackets are installed the skid plate is ready to be installed. Place skid plate between angle brackets and lithium battery pack. Skid plate will sit flush with the battery pack and should be slid back so the front lip of the skid plate pressed against the battery pack to allow maximum clearance for rear axle. To hold skid plate in place while aligning and tightening brackets a second helper or placing the skid plate on jack may be necessary.



- 12) With skid plate aligned with battery pack install the remaining (8) M12 bolts with a washer on either side and nylok nut between angle brackets and skid plate. Tighten bolts between skid plate and angle bracket first then tighten loose bolts from step 9 between angle bracket and drop bracket.
- 13) Remove jack and you're lithium battery skid plate installation is complete. Enjoy!

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