

# RPM Composites

## SKID PLATE MOUNTING INSTRUCTIONS 03-06 ALL SKI-DOO 600-800 REV CHASSIS INSTALLATION INSTRUCTIONS

**\*Estimate time of installation: 45-60 min.**

**TOOLS REQUIRED:** 17mm Wrench \* 13mm Wrench \* 10mm Wrench \* Thin Wall 13mm Wrench or Needle Nose Vise Grip \* Small Vise Grip or Spring Puller \* 4mm Allen Key \* 1/4" Drill bit \* Cordless/Electric Drill

1.) Remove right and left side panels. Side panels remove easily with slide clips. Before removing left side panel, unplug air volume sensor by squeezing tab on the top inside of plug (SDI Models Only).



Remove both slide clips and unplug air volume sensor.



Remove belt cover.

2.) Remove torque converter/drive belt cover. Cover removes without tools by evenly pushing apart the spring clip at the front of the cover.

3.) REMOVING EXHAUST MUFFLER: Before removing exhaust muffler, disconnect oxygen sensor on rear of muffler using a 17mm open end wrench. (NOTE: After removing oxygen sensor inspect threads. Make sure the oxygen sensor threads are coated with anti-seize compound to avoid future heat seizure.) Using a small vise grip or exhaust spring puller, remove the 4 springs holding the muffler to the chassis.



Remove oxygen sensor with 17mm wrench.



Remove 4 exhaust muffler springs.

Now you are ready to remove the exhaust muffler. To start muffler removal, wiggle muffler back and forth to break it loose from its rubber mounts. Once loose, slightly pull muffler back to separate it from the head pipe. Make sure to be gentle and not damage exhaust fiber exhaust donut. Once muffler has been separated from exhaust donut, muffler will lift straight out of chassis compartment.



Gently pull muffler back, up, and out.



Remove A-Arm boss fasteners with 13mm wrench and needle nose vise grips or thin wall 13mm wrench.

4.) MOUNTING FRONT SKID PLATE BRACKET: For this step, putting the sled on its side or elevating the front of the sled with a jack will help you gain work space. Using a 13mm wrench and 13mm thin wall wrench or needle nose vise grip remove the two front A-Arm

bracket nuts. When removing, use your 13mm closed end wrench on the bolts and the 13mm thin wall wrench or needle nose vise grips on the nuts. Only the nuts can be removed due to the length of the bolts and the location of the A-Arms. Turn bolts with 13mm wrench to loosen and hold nuts with thin wall wrench or needle nose vise grips.

5.) Mount skid plate bracket using all stock hardware. It is recommended to use red Loctite on A-Arm boss nuts. Tighten bolts until the nuts are firmly seated against the bracket.



6.) DRILL OUT SIX RIVETS holding plastic under panels to chassis (3 on each side). Using a 1/4" drill bit, drill out the 6 rivets shown in picture below. You may need to hold back of rivet with a small vise grip to keep it from spinning while drilling.



7.) MOUNTING SKIDPLATE: After completing step six you are now ready to mount your skid plate. If you had put your sled on its side in step 4, it will help to have it upright for this step. Using supplied fasteners (6-6mm x 30mm Button Heads and 1-6mm x 12mm Button Head) mount skid plate to snowmobile. When mounting make sure the supplied washers are used on both sides of the nuts and bolts. (NOTE: When mounting, loosely start threading all seven fasteners before fully tightening any of them.) It is recommended to tighten all fasteners evenly. Start by tightening the left side fasteners halfway, then the right side fasteners half way. Tighten the left side fasteners fully, then the right side fasteners fully. Tighten the front single fastener last.

8.) Re-Install torque converter / drive belt cover.

9.) Re-Install left side panel with slide clips.

10.) Re-Connect air volume sensor (if necessary).

11.) Re-Install muffler. Before installation, lightly spray WD-40 on exhaust hanger rubbers. This will help the exhaust slide in to position easier. Make sure the cupped muffler flange clearly meets the exhaust donut; take special care not to damage the exhaust donut.

12.) Re-Install 4 exhaust springs.

13.) Re-Install right side panel with slide clips.