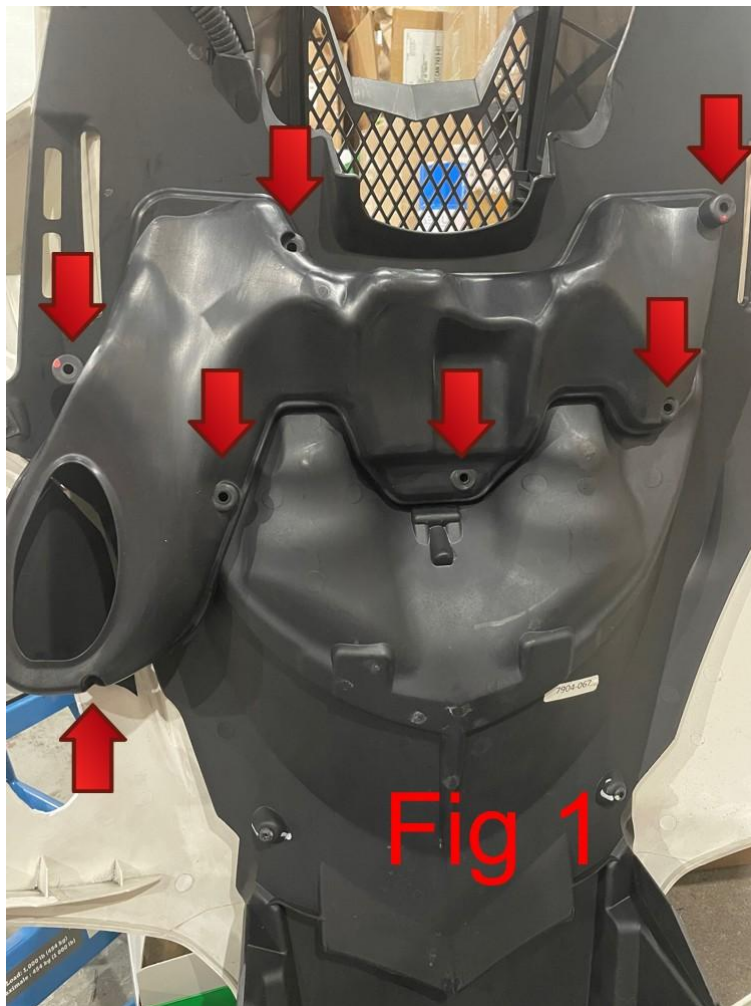


Max-RAM Intake installation instructions

Arctic Cat

READ THESE INSTRUCTIONS TO THE END BEFORE STARTING THE INSTALLATION PROCESS! IF YOU HAVE ANY QUESTIONS, CONTACT MAXCELERATION RACING BEFORE BEGINNING THE INSTALLATION! MAXCELERATION RACING IS NOT LIABLE FOR ANY DAMAGE OR INJURY CAUSED AS A RESULT OF THE PRODUCT INSTALLATION. BE SURE TO WEAR PROPER PROTECTIVE GEAR WHEN USING ANY HAND OR POWER TOOLS.

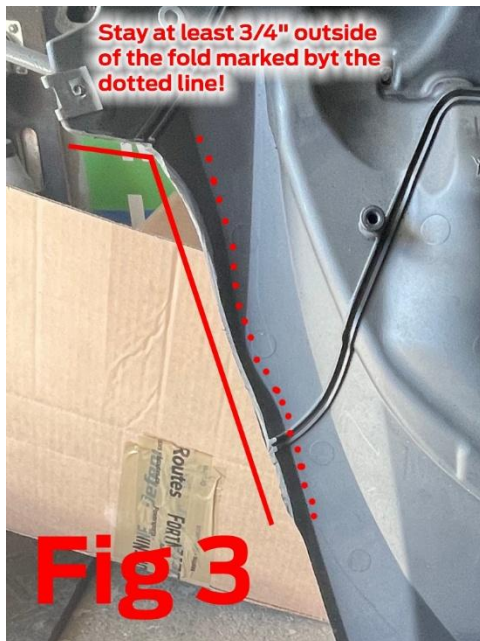
- 1 – Remove the side panels and center hood from the snowmobile.
- 2 – Remove the inner plenum from the stock air intake system by removing the 7 screws that attach it to the inside of the hood center piece. Fig 1



3 – Remove the left panel from the hood center assembly by removing the 3 attachment screws. Fig 2



4 – Trim the hood center section to make room for the new intake plenum. Start from the outer edge of the panel just forward (down in the photo) of the screw mounting location. Trim inward toward the bend in the panel shown in Fig 3. Stay at least 3/4" outward away from the bend as shown in the illustration.



5 – Cut out the paper template for intake mounting. Cut along the outside lines of the template. Attach the paper template to **INSIDE** of the left hood panel section previously removed as shown in Fig 4. Tape the template in place on the panel once it is positioned. The grey area on the template indicates where the grey plastic template piece included in the kit is to be located as shown in Fig 5 Use a scribe to mark the oval pass-through on the panel as well as the location of the 4 mounting screw holes.





6 – Remove the template from the panel. Cut out the oval section. It is best to work slowly here for optimum results. A rotary tool works pretty well for cutting the panel. Work from the inside of the panel for all cutting and drilling to avoid any unnecessary marking on the outer surface.

7 - Drill a $\frac{1}{4}$ " hole for each of the 4 mounting screw locations. **SHOULD YOU MAKE ANY SMALL MISTAKES IN THE DRILLED HOLES, DO NOT DRILL THE INTAKE TO COMPENSATE. THE INNER STRUCTURE OF THE INTAKE IS NOT DESIGNED TO HAVE THE HOLES RELOCATED. MAKE ANY NECESSARY ADJUSTMENTS TO THE HOOD PANEL, NOT THE INTAKE PIECES.**

8 – Remove any burs from the hood panel holes so that the intake can sit flush with the panel on both the inner and outer surfaces.

9 - After checking the alignment of your mounting holes, use the plastic template to test-mount the outer scoop to the panel, sandwiching panel with the scoop and the grey plastic template and securing with four Torx head mounting screws. **DO NOT USE ANY POWER TOOLS, USE HAND TOOLS ONLY!** Hold the outer scoop firmly against the hood panel when installing. Work slowly here and make changes and adjustments to the holes in the

panel as necessary. **Do not use the screws to draw the scoop toward the panel and do not use power tools.** Leave the screws slightly loose until all four are installed. Once everything looks fine, snug the screws, again pressing and holding the outer scoop against the panel. Do not over-tighten, you are screwing into plastic. Once you are satisfied with the fit and alignment, remove the grey plastic template and install the scoop with the black plenum piece that will feed fresh air to the air box. The grey plastic template can now be discarded as it is not used once the outer scoop and inner plenum are attached.

10 – The left side hood panel with the intake installed can now be re-attached to the hood center section with the 3 screws removed in Step 3. Be sure to check for clearance around the plenum where you trimmed the center hood section.

12 – Reinstall the hood and side panels, stand back and admire your work!