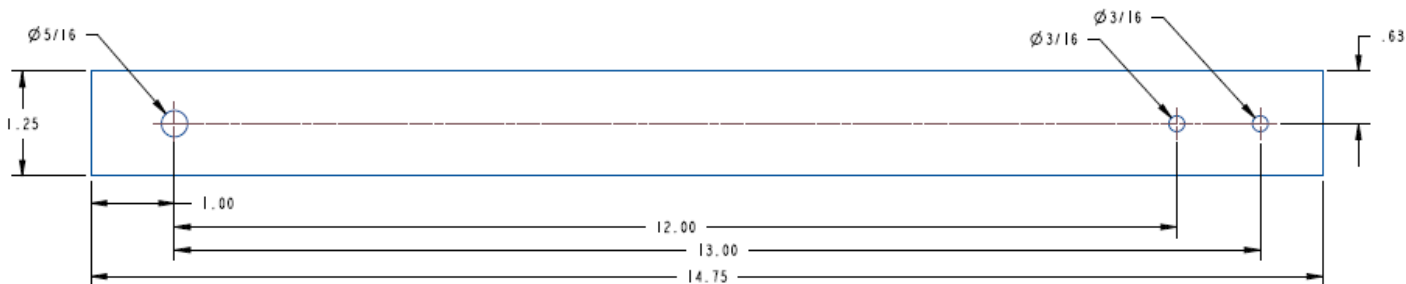




## \*ISR Required Snocross snow flap retention\*

To comply with the new Snocross snow flap rule order the 7 below items from Polaris. All other items/hardware called out by ISR to meet this rule will have to be ordered from another source. You must follow the ISR rule entirely!

(2 – 5417676 – limiter strap ; 1 – 5456647-070 – snow flap ; 4 – 7518280 – screw)



Take the limiter strap (5417676) and pick one of the inward  $5/16$ " holes. From the center of that hole cut the strap off 1.0".

Then from the center of that same  $5/16$ " hole measure down the opposite direction 12" and 13". Drill a  $3/16$ " hole in both locations.

Once all holes have been drilled then cut the overall length of the strap to 14.750" long.

Repeat process for the 2<sup>nd</sup> limiter strap.

The  $5/16$ " hole will get mounted to the snow flap in the location called out from ISR and with the specific hardware. (reference page 3)

The two  $3/16$ " holes in the limiter strap will get screwed to the rear bumper with the 4 (7518280) screws. For placement of where to attach to the rear bumper turn to page 2.



From each end of the rear bumper (see above picture for starting measuring point) measure up and make a mark at 21.125" and 22.125". Transfer the marks to the underside of the rear bumper. You will drill these holes in the rear bumper with a 3/16" Drill. The screws (7518280) will self-tap into the aluminum rear bumper.

Take the snow flap (5456647-070) and cut the center 8" of it out. You will then install this over the stock snow flap in the center of it. Use the require fasteners and fastener locations called out by ISR.

**BULLETIN NO. 20/21-002      DATE: 16 Sept 20**

**TO: ALL ISR Sno Cross Racing Affiliates**

**SUBJECT: All Classes are required this snow flap construction**

**Effective June 1, 2020**

**SPECIAL NOTICE:**

**2020 / 2021 All Sno Cross Classes must use this configuration.  
IMPROVED SNOW FLAPS IN RETENTION AND THE ABILITY TO DEFLECT ROOST.**

1. A rear snow flap of sufficient material must be installed in a permanent manner and shall be held down (restrained from rearward movement) to restrain traction components, snow, mud, rocks and other material thrown from the track at all speeds.
2. The snow flap must overlap the widest part of the rear tunnel opening by at least one inch on each side.
3. The snow flap must be in contact with the course surface when the rider is on the snowmobile.

**1. Snow flap design and installation will be as follows:**

Snow flaps need to be made from .125 UHMW or HDPE plastic, cut in the shape/silhouette of the OEM 2021 snow flap. Additionally, an 8-inch-wide strip of the same material must be fastened to the snow flap, centered on the flap, and full length of the OEM flap. This reinforcing panel must be fastened to the snow flap with a minimum of eight (8) 3/16 diameter rivets, (steel or aluminum) placed 10 inches apart, one inch from the outside edge of the panel and an additional rivet centered both top and bottom of the reinforcing panel of the snow flap. The rivets must have a minimum one half (½) inch head and a corresponding ½" outside diameter washer on the expansion side.



2. The snow flap may be of any color except orange but must be of .125 UHMW or HDPE.
3. The snow flap must have the lower two (2) inches of the flap bent at a 45 degree angle and mounted with the bend area facing the track/chassis/



4. The snow flap will be fastened to the chassis/tunnel in the manufacturer's normal methods and design. If this method proves failure prone a method for the individual brand will be dictated.
5. The retention device material must be the limiter strap from each particular brand sled, (for the initial phase of this rule, if this material proves to be prone to failure, other material will be specified) to retain the flap in an effective operating position. The retention strap mounting holes must be a minimum of 1 ½ inches in from the

left and right edges of the snow flap and must be fastened through the flap with 5/16 allen head cap screw fasteners, with 2" by 1/8 in thick fender washers on each side.

6. The amount of angle that the snow flap may deflect /rotate in competition shall be 45 degrees maximum.
7. The attachment point of the retention strap to the snow flap shall be (10" inches) from the upper end of the flap.
8. Location of where the limiter strap mounts to the tunnel will be at builder's discretion but must have 2 inches of chassis material minimum at the point it is mounted.
9. The snow flap will be fastened to the chassis/tunnel in the manufacturer's normal methods and design. If this method proves failure prone a method for the individual brand will be dictated.

**International Snowmobile Racing, Inc.**