

# **ICE SCRATCHERS**

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**Please read all instructions before installation on snowmobile.**

What you will need :

- Drill
- 3/8" drill bit
- 9/32" drill bit
- Thread lock
- Snowmobile

First you will need to locate a suitable position on your rear suspension rail. The location must be free of moving components like rear suspension springs and idler wheels. An ideal area is near the front of the suspension rail, just before the arc of the rail. **\*\*\*WARNING\*\*\*** *If the scratchers are mounted too far back it will cause the snow/ice to fly behind the sled, not onto the track defeating the purpose of the scratchers.* It is also required to make sure the rail is clear of moving parts where the ice scratchers will hook during storage and reverse.

Drill a 3/8" hole into the suspension rail for the bolt and collar to go through.

Drill a 9/32" hole into the suspension rail 2 1/4" in front of the 3/8" hole, slightly below it. This will ensure that the spring will have the required tension during operation and storage.

Insert one of the large washers onto the collar. Slide the spring onto the collar. Insert the second large washer onto the collar. From the outside in, it should now reflect collar, washer, spring, washer.

Install the collar onto the suspension rail using the 3/8" mounting hole that you have drilled in the rail. Use the supplied bolt, lock washer and flat washer. Make sure to apply some thread lock onto the bolt and thread the bolt into the collar from the inside of the suspension rail. The preload tab of the spring should be inserted into the 9/32" hole. Tighten the bolt as needed.

**\*\*\*WARNING\*\*\*** *Be careful not to over tighten the bolt and strip the threads in the aluminum mounting collar.*

**During operation be sure to position the ice scratcher in the up/storage position when loading or backing up. Failure to do so could result in harm/damage to you or your sled.**