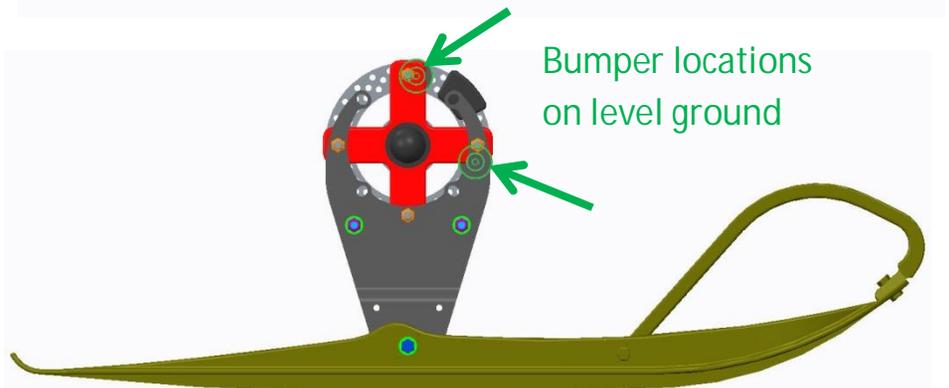
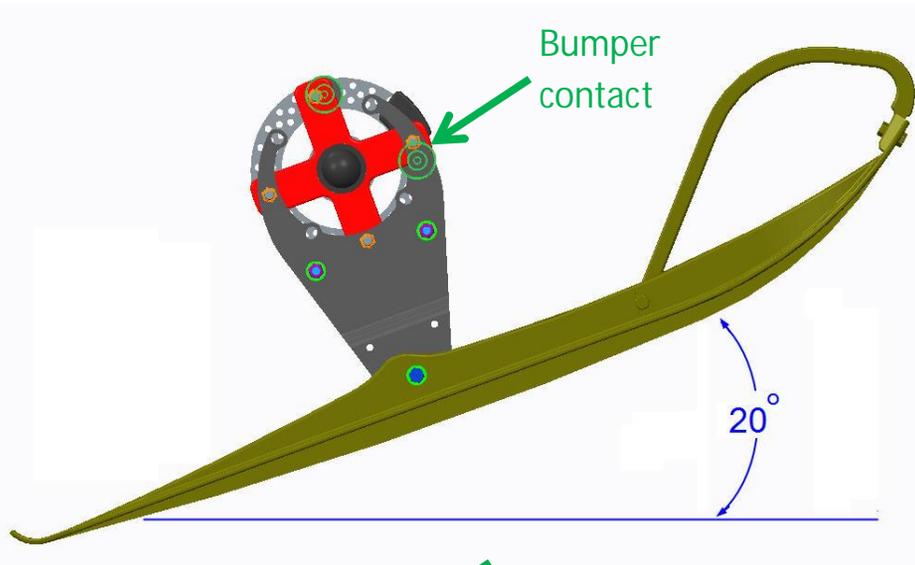
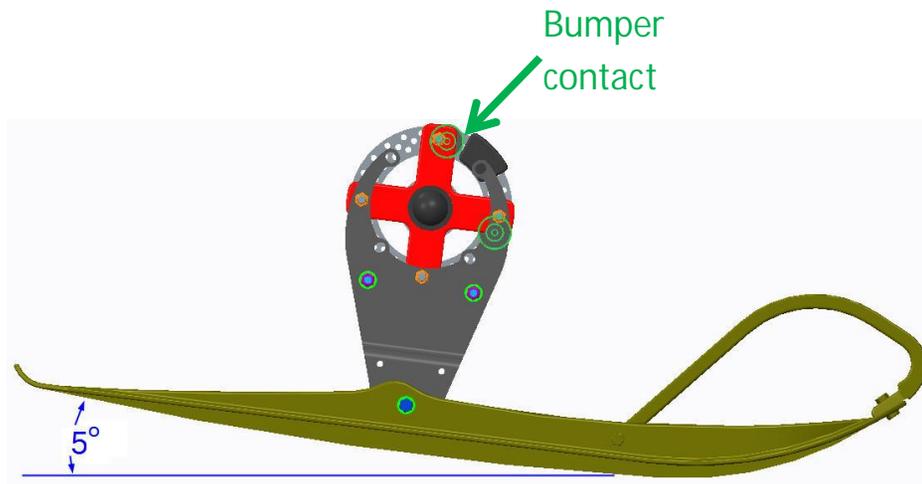


DIAMOND J CUSTOMS

AT Ski (Tires to Skis) Conversion Kit



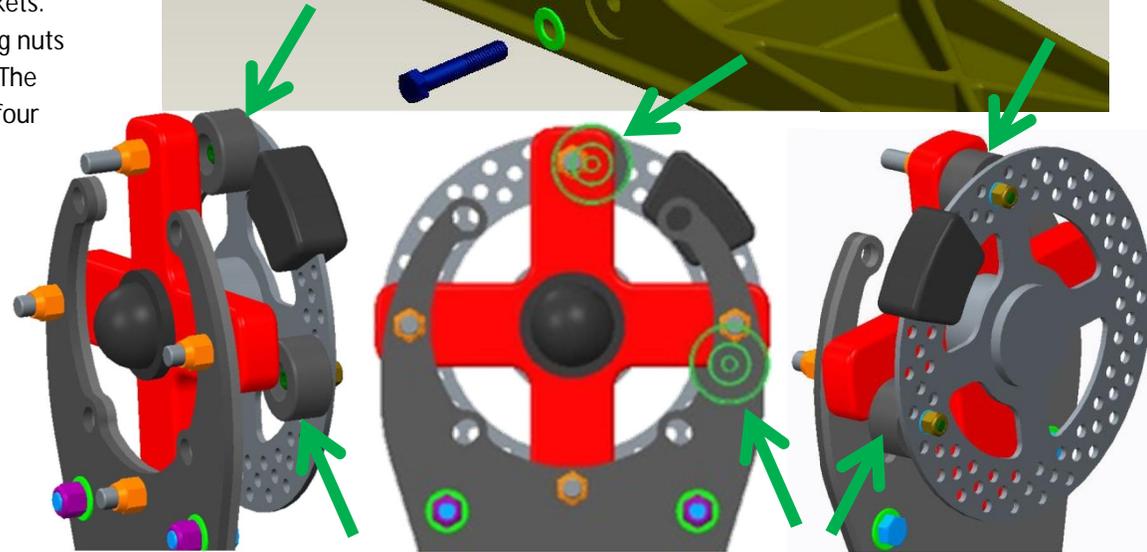
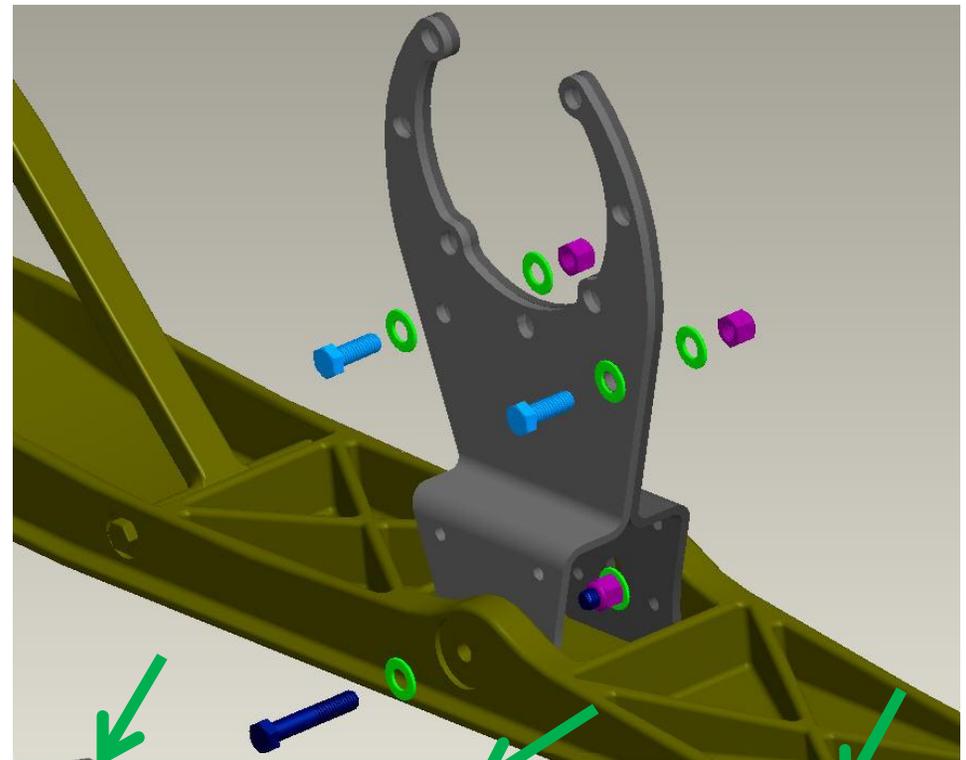
KIT INCLUDES:

- | | |
|-----------------------|---------------------|
| 4 – Steel brackets | 8 – 3/8" Nylok nuts |
| 4 – 3/8" x 1" bolts | 4 – 1/4" Nylok nuts |
| 4 – 3/8" x 2" bolts | 16 – 3/8" Washers |
| 4 – 1/4" x 7/8" bolts | 4 – 1/4" Washers |
| 4 – Rubber bumpers | |



Assembly and Installation Instructions

1. Start by assembling the brackets to the skis as shown in the diagram to the right.. Loosely attach the hardware to hold each ski bracket together along with the hardware to mount the ski to the brackets. A **washer** is provided to go under each **bolt** head and **nut** to protect the paint during tightening.
2. Once all hardware is in place, line up the pair of brackets to make them aligned around the perimeter (not shifted from each other) and tighten the two **bolts** and **nuts** to hold the two plates firmly together.
3. Next make sure the brackets are pushed tightly into the skis until the flat bottom edge of the brackets is bottomed out on the plastic ski. This will prevent the ski from moving relative to the brackets (the slots allow several ski models to fit).
4. Tighten the two **bolts** and **nuts** that attach the ski to the brackets. Torque is not critical with Nylok nuts, they can just be tightened firmly. 30-35 ft_lbs is typical.
5. Repeat steps 1-4 for the other ski and brackets.
6. Support the ATV so the front tires are at least 2 to 3 inches from the ground with a strong, solid support. Do not simply support it with a jack that might tip or fall.
7. Remove the front wheels. The lug nuts will be reused to attach the ski brackets.
8. Attach the ski brackets and skis to the ATV hub using the lug nuts. If your lug nuts have a tapered side, reverse them to use the flat side against the brackets. The brackets have two different bolt patterns. The 4x144mm bolt pattern uses four mounting locations and the 4x156mm bolt pattern uses three mounting locations - the fourth wheel stud will be straight up and unused. The fourth lug nut can be attached to the hub for storage. The brackets have two different bolt patterns. The 4x144mm bolt pattern uses four mounting locations and the 4x156mm bolt pattern uses three mounting locations - the fourth wheel stud will be straight up and unused. The fourth lug nut can be attached to the hub for storage.
9. If your ATV has disc brakes, attach the rubber bumpers to the front brake discs to limit the rotation of the skis. One bumper should be attached on each side of the brake caliper. The bumpers should be attached to only allow the front of the ski to rotate about 5 degrees down in the front (to prevent them from digging into the snow if they come off the ground). The amount of allowable rotation up on the front of the ski can be more (as much as 20 degrees). Make sure the 1/4" washers are attached under the nuts, to protect the brake disc from damage from the nuts. If your ATV has drum brakes, the bumpers can't be used, and we recommend using a bungee cord from the front bumper to each ski to keep them from rotating down.



(Various views showing approximate location of rubber **bumper locations** on the brake disc)

For the rear tires, we recommend MudShark tires, or snowmobile track studs (1.5 to 2 inches long) assembled from the inside of the tire (with an inner tube). An ideal use conditions for this kit is snow from 2 to 4 inches deep which can have occasional deeper areas crossable with momentum. Hard packed snow trails and snow covered ice are also ideal conditions. Use in deep snow is not feasible without rear tracks.

That completes the installation. Always ride carefully and under control at all times. Thank you for your business!

If you have any questions send us an email at diamondjcustoms@yahoo.com.

Electronic version of these instructions and additional pictures available on our website: www.diamondjcustoms.com