



1- Loosen track to release tension on bottom shaft sprocket

2- Remove brake cable from brake shoes on chain case. Remove brake shoes, including springs and pin. Notice shoe and spring installation because these will re- installed on new gear case later.

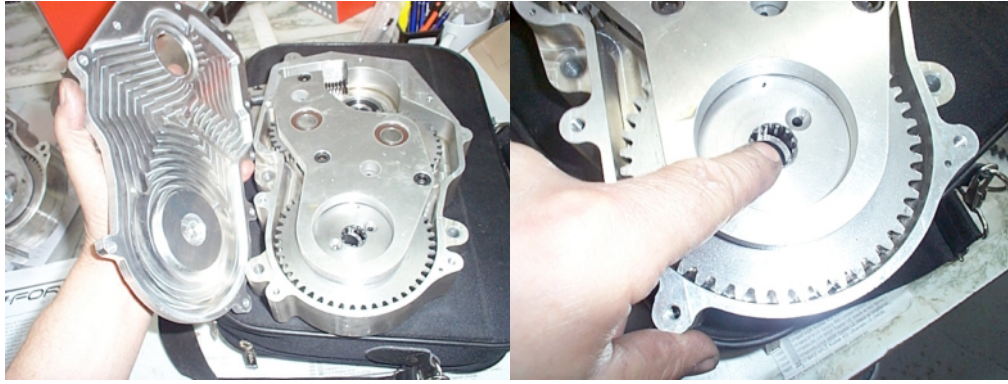
3- Remove outer chain case cover. Note oil will pour out. Remove top cotter pin, nut and washer holding top sprocket. Remove bottom bolt holding bottom sprocket. (Washer, nut and bolt will be used later). Remove both sprockets and chain. Notice collar behind top sprocket, this will be used later also. Bottom collar will not be used.

4- Remove chain case back housing from sled frame by removing 3 exterior bolts. These 3 bolts will be used to fasten new gear case to sled frame.

5- Drill bottom rivet and leave hole. This hole will be useful for oil draining and easier installation of gear case.



6- Remove new gear case outer cover. Slide new gear case into sled and line up both top and bottom jackshafts into case bearings. You may need to wiggle it in. With your small finger, reach into bottom sprocket spline hole, and line up sprocket splines onto shaft. Sprocket will slide onto shaft as the gear case moves toward the sled body.



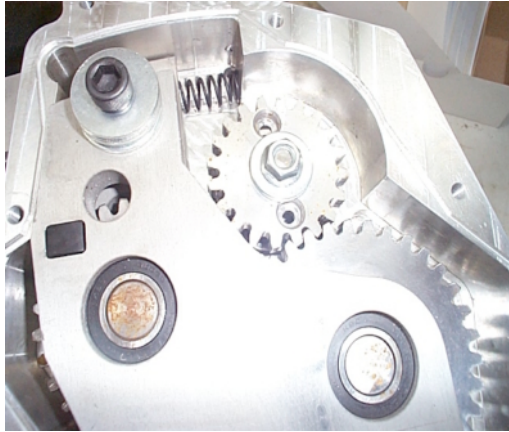
Wiggle gear case more until the back touches the sled frame. Bottom of sprocket may not come flush with end of shaft. There may be up to 1/8". Don't worry about this.

7- Install three original bolts holding gear case to sled frame and tighten. Now install original bolt and washer holding bottom sprocket on shaft placing a drop of "locktite" on threads and tighten to 15 lbs foot torque.



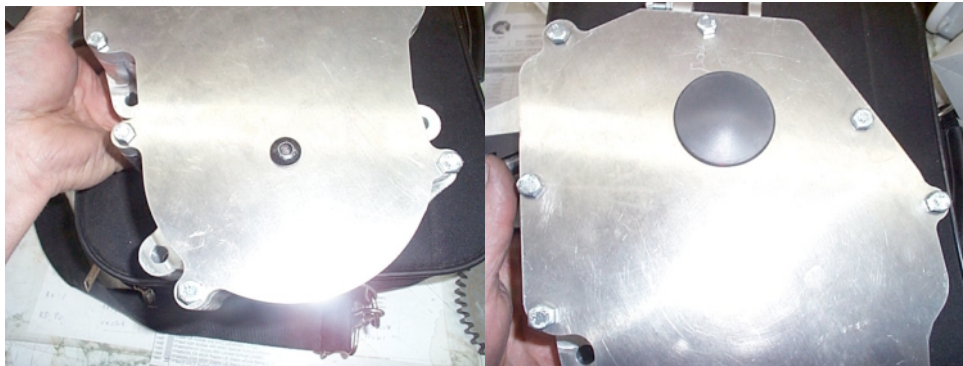
8- Install top original collar in place, then new gear with chamfered holes facing outwards. Install washer and original nut and tighten to 20 lbs foot torque. Install cotter pin.



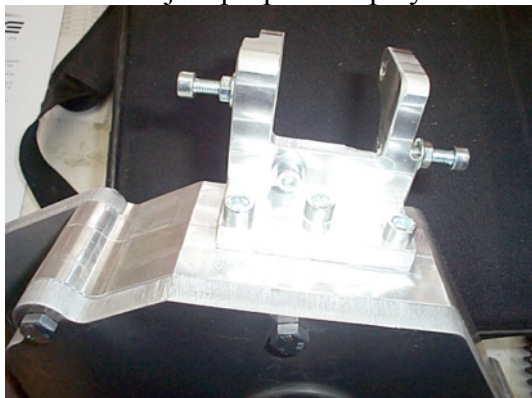


9- Install supplied o-ring to gear case cover. Torque all 9 bolts.

10- Remove bottom oil level bolt from cover. Remove top rubber plug and pour in gear case oil supplied until oil pours out oil level hole (approx. 250ml). Replace bottom oil level bolt, and install top rubber plug.



11- Install Brake shoes on new gear case with springs and pin removed earlier. Install brake cable and adjust proper free play of brake lever.



12- Cut 1" off hood for lever clearance. See photo.



13- Remove rear snow flap. Cut 2" off top and drill four new holes to reinstall flap with new rivets. Flap will now be 2" higher.



14- Tighten track back up to specifications. Ski skins may be a good option for backing up in the snow because of the rear bend.

