



Service Bulletin

Date: December 12, 2005

Product Line: Snowmobile

Bulletin No: 2006-1-06

Subject: Loctite Application (Driveshaft)

Affected Models/VIN Range:

All 2006 Bearcat Wide Track and Wide Track Turbo Models

Condition: It has come to our attention that during the assembly of some of the affected snowmobiles, Loctite, which helps secure the driveshaft retainer to the driveshaft, may have been applied improperly or may not have been applied at all. If either of these conditions exist, the driveshaft retainer may loosen resulting in the possibility of damage to the chain case components.

Solution: Remove the driveshaft retainer and properly apply blue Loctite #243 to the driveshaft threads; then tighten the driveshaft retainer to 9.0 kg-m (65 ft-lb). See specific instructions included later in this bulletin.

■ **NOTE:** Although some snowmobiles may have had Loctite properly applied, it is necessary to remove the driveshaft retainer from all affected snowmobiles and reapply Loctite. Even if Loctite may have been properly applied, it will still be necessary to reapply Loctite since the effectiveness of the existing Loctite will have been lessened by the removal of the retainer. See instructions included with this bulletin for the removal of the driveshaft retainer and the proper application of Loctite.

Parts: Not Applicable (None Needed)

Warranty: A labor allowance of 0.7 hr will be paid per affected snowmobile.
Claim: Enter BS200606 in the Complaint section.

■ **NOTE:** Please remember that when submitting a claim, make sure to always enter the current mileage of each affected snowmobile. In order for Arctic Cat to accurately assess warranty claims, an accurate recording of mileage on snowmobiles with warranty claims is important.

⚠ ATTENTION

To ensure that the necessary service work is completed in a timely manner and that this issue can be resolved, Arctic Cat is requesting that all service work be completed prior to December 12, 2006. All warranty claims directly related to this issue will not be honored after December 12, 2006, without prior approval.



Instructions - Removing Driveshaft Retainer, Related Components, and Applying Loctite

1. Using an appropriate clamping tool, carefully clamp the breather hose to prevent oil from possibly entering the air silencer assembly.

■ **NOTE:** It is recommended to place the clamping tool near the engine side of the hose.

2. Place a protective covering on the floor to prevent the snowmobile from becoming damaged; then place the snowmobile onto its left side.

■ **NOTE:** After placing the snowmobile onto its left side, it will be necessary to open the hood. Be sure to place a covering under the hood to also protect it from becoming damaged.

3. **For Turbo models only**, remove the two springs securing the resonator to the mounting bracket.

4. Remove the three cap screws securing the front of the chain case cover.

5. Remove the top cap screw securing the reverse shifting linkage assembly to the shift pivot.

6. Remove the cap screw securing the reverse shift pivot to the chain case cover. Move the shift pivot aside. Account for two flat washers and an axle spacer noting their locations for assembly purposes.

7. Remove the remaining three cap screws securing the chain case cover; then remove the chain case cover.

8. Loosen the chain adjuster; then remove the shaft retainer from the end of the driveshaft.

9. Remove the return spring and the reverse gear.

10. Remove the nut securing the top sprocket to the driven shaft.

11. Remove the chain with top sprocket, bottom sprocket, and reverse idler assembly.

12. Using a parts-cleaning solvent, clean the oil from the threads on the drive and driven shafts.

13. Apply a liberal amount of blue Loctite #243 to the end threads of the driveshaft.

14. Install the chain with top sprocket, bottom sprocket, and reverse idler assembly.

15. Install the reverse gear and the shaft retainer with return spring. Tighten shaft retainer to 9.0 kg-m (65 ft-lb).

16. Apply a liberal amount of green Loctite #609 to the end threads of the driven shaft.

17. Install the driven shaft nut and tighten to 5.5 kg-m (40 ft-lb).

18. Adjust the chain adjuster bolt to the proper tension.

19. Install the chain case cover and related components using existing hardware.

20. Place the snowmobile in an upright position; then remove the clamping tool from the breather hose.

