



# Service Bulletin

**Date:** March 1, 2005

**Product Line:** Snowmobile

**Bulletin No:** 2005-1-08

**Subject:** Possible Taillight Wiring Damage

## **Affected Models/VIN Range:**

All 2005 M-Series Snowmobiles

**Condition:** It has been determined that the taillight wiring may come into contact with the speed nut securing the taillight mounting housing to the tunnel/rear heat exchanger. This condition may create an electrical short which will cause the headlights, speedometer, or taillight to intermittently malfunction. In some cases, the short may also cause the voltage regulator and the ECU to malfunction.

**Solution:** Replace the existing speed nut with new Speed Nut (p/n 1623-487). The newly designed speed nut will prevent the taillight wiring from coming into contact with the speed nut.

**Parts:** Order an appropriate number of new Speed Nut (p/n 1623-487) through normal parts-ordering channels. Your dealership Parts Account will be charged and then credited upon receipt of a Warranty Claim Request form.

■ **NOTE:** See detailed installation instructions included with this bulletin.

**Warranty:** A labor allowance of 0.2 hr will be paid per affected snowmobile.  
Cat Tracker Claim: Enter BS200508 in the complaint section.  
Manual Claim: Enter 0508 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.

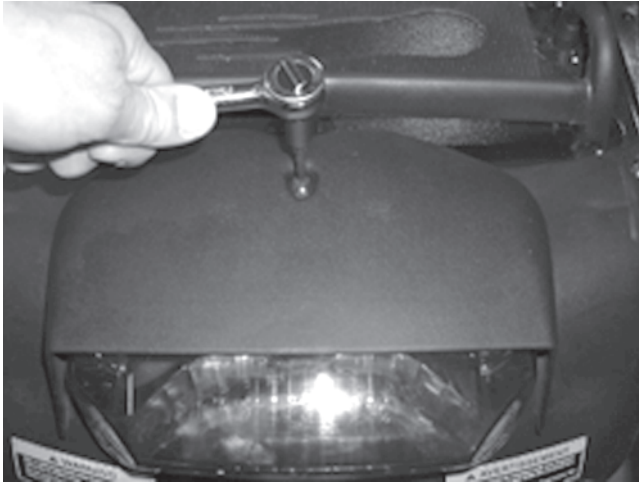
### **ATTENTION**

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 March 1, 2006. All warranty claims directly related to this issue will not be honored after March 1, 2006.

## Instructions - Removing and Installing Speed Nut

1. Remove the torx-head machine screw securing the taillight mounting housing to the tunnel/rear heat exchanger. See Fig. 1.

Fig. 1



2. Remove the taillight bulb assembly from the taillight housing. Inspect the taillight rubber tubing that protects the taillight wiring for damage. If damage to the tubing exists, there also may be damage to the taillight wires. Carefully slit the tubing to expose the taillight wires.

■ **NOTE: If one or more of the electrical wires are damaged, continue with steps 3 and 4. If no damage exists, proceed to step 5.**

3. Remove the damaged section of the wire; then strip the outside covering from both ends of the cut wire to ensure a good connection. Solder the wire together; then secure the soldered connection with shrink wrap. Repeat for other wires if damaged.

■ **NOTE: If more than one wire needs to be soldered, be sure to stagger the soldered areas. This will help prevent the soldered areas from coming into contact with each other and prevent the possibility of the soldered joints rubbing through the shrink wrap.**

4. Secure the outer protective tubing using electrical tape.
5. Using a needle-nose pliers, remove the existing speed nut. See Fig. 2 for identification and location of existing speed nut.

Fig. 2



6. Install new Speed Nut (p/n 1623-487).
7. Install the taillight bulb assembly into the taillight housing; then properly position the taillight housing and secure with existing torx-head machine screw.