



**Date:** October 11, 2002

# Service Advisory

**Product Line:** Snowmobile

**Advisory No:** SAS309

**Subject:** Air Bubble in Oil-Line Hose

## Affected Model:

### All 2003 Firecat Models

It has been determined that the 2003 Firecat snowmobiles may develop an air bubble in the oil-line hose if the snowmobile is placed on the MAG-side (right) for an extended period of time. This is especially true if the oil tank is not full when the snowmobile is on its side.

If it is necessary to place the snowmobile on the MAG-side for an extended period of time, inspect the oil-line hose near the engine mounting plate/clutch area after placing the snowmobile in an upright position. If an air bubble exists in the line, it should be visible in this area.

If an air bubble is visible, it will be necessary to purge the oil-injection system. To purge the oil-injection system, follow Bleeding Oil Injection System procedures below.

### **WARNING**

**Do not run the engine or operate the snowmobile with an air bubble in the oil-line hose. Damage to the engine may occur.**

## BLEEDING OIL INJECTION SYSTEM

### ■ **NOTE:** The oil reservoir must be full for this procedure.

1. Tip the snowmobile onto its left side; then using a torx-bit, remove the screws securing the center belly pan (skid plate) to the front end.
2. Loosen, but don't remove, the oil bleed screw; then finger-tighten the bleed screw.
3. Tip the snowmobile back to the upright position; then raise the rear of the snowmobile onto a safety stand so the track is at least 61 cm (24 in.) off the ground.
4. Place a drain pan beneath the engine compartment; then loosen the bleed screw until oil begins to drain out.
5. Allow the oil to drain out until there are no visible signs of air bubbles in the oil-line hose; then tighten the bleed screw.
6. Lower the rear of the snowmobile, tip the snowmobile onto its left side, ensure the bleed screw is secure, and install the center belly pan (skid plate).

### ■ **NOTE:** Prior to operating the snowmobile, make sure the oil reservoir is full of recommended oil.

Thank you for your cooperation in this matter.

Sincerely,

Product Service Department  
Arctic Cat Inc.



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