



# Service Bulletin

**Date:** January 24, 2001

**Affected Model(s):** 2001 ZR 440 Sno Pro  
(Cross Country & Snow-Cross)

**Bulletin No:** 2001-1-17

**VIN:** Not Applicable

**Product Line:** Snowmobile

**Subject:** Fuel/Timing

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**Condition:**

In a continuing effort to improve quality and customer satisfaction, Arctic Cat is informing you of a carburetor calibration and ignition timing change that will need to be performed on the 2001 ZR 440 Sno Pro racing models that are being ridden by consumers.

The 2001 ZR 440 Sno Pro has had fantastic success on the race tracks around the world this racing season. Racing and trail riding demand different tuning calibrations from an engine. The primary design objective for the ZR 440 Sno Pro was to win races on the track. In order to ensure the highest possible durability and consistent performance to our customers who have purchased a ZR 440 Sno Pro for trail riding instead of racing, the following recommendations should be followed.

**Solution:**

Depending on the type of fuel that the customer feels will be used, the following recommendations should be followed for all trail riding conditions. These recommendations will tailor the carburetion and ignition systems for use with pump gasoline. If these recommendations are not followed for the specific gasoline to be used and the customer operates the 2001 ZR 440 Sno Pro, piston detonation may occur.

Due to varying fuel quality at some riding locations, Arctic Cat is supplying recommendations for both 87 octane and 92 (unoxygenated) octane operation. All Arctic Cat snowmobiles are manufactured to operate on pump gasoline; however, the ZR 440 Sno Pro was designed as a racing model and has an engine of extremely high performance nature.

**87 OCTANE FUEL**

**(This octane fuel is not recommended but may be used by some customers)**

**Use Cross Country jet chart.  
Adjust ignition timing to -2°.  
Install Jet Needle J8-6FM2-60-3  
(p/n 6506-174).**

**92 OCTANE FUEL (Unoxygenated)**

**(Recommended octane fuel)**

**Use Cross Country jet chart.  
Adjust ignition timing to -1°.  
Install Jet Needle J8-6FM2-60-3  
(p/n 6506-174).**

**Parts:**

If applicable, order the appropriate number of Jet Needle J8-6FM2-60-3 (p/n 6506-174) through normal parts-ordering channels. Your dealership Parts Account will be billed and then credited upon receipt of a Warranty Claim Form(s) from your dealership.

**Warranty:** A labor allowance of 0.6 hr will be paid per affected snowmobile.  
A Warranty Claim Form of up to 10 vehicle identification numbers (VIN) will be accepted.  
Enter 2001-1-17 in the Failure Code section of the Warranty Claim Form.

■ **Note: This bulletin expires on January 24, 2003.**





