

POLARIS XP 900/1000
CAM HOLDER OIL MODIFICATION

Polaris XP 900/1000 UTV's have been known to have some oiling issues to the valve train. The following modification can help the oil flow to the camshafts.

This modification is best performed with motor out of the chassis. If attempted in the car- make sure no debris falls into the engine when valve cover is removed.

1. Remove valve cover. Remove cam chain adjuster Remove front cam (photo A)



Photo A

2. Drill mounting hole on Exhaust side of cam holder (photo B) to 5/16-.312". Deburr after drilling and clean thoroughly.

3. Reinstall cam holder and torque to ft. lbs.

4. Reinstall cam chain tensioner. Check cam timing before installing valve cover. (Refer to OEM Polaris Service Manual for cam timing specifications)

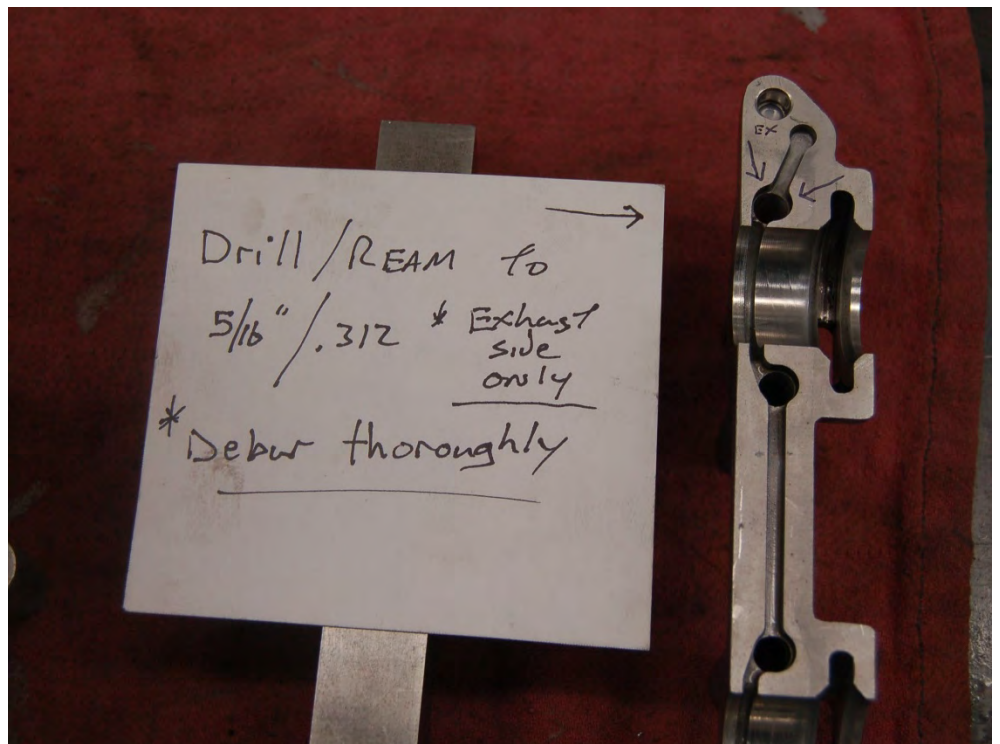


Photo B

NOTES:

OIL LEVEL: It is imperative that these engine are not run low on oil. It is highly advisable to check level every time machine is used. Running the engine low on oil, even for a short time can cause serious harm to the bearings.

OIL QUALITY: Polaris XP engine use a rather small volume of oil for their engine size. To ensure prolonged engine life it is advisable to keep your engine oil as clean as possible. With regular oil and filter changes. Running dirty oil through this model XP engine will almost surely lead to premature crankshaft bearing and or rod bearing failure.

OIL COOLING/CAPACITY: It is advisable to add an external oil cooler to increase engine oil capacity and help keep engine temperature to a minimum.

