

# **Rugged Terrain Automatic Cam**

## **Chain Tensioner Installation**

### **Instructions**

**WARNING! IF THIS PART IS INSTALLED INCORRECTLY, IT MAY CAUSE MAJOR INTERNAL MOTOR DAMAGE!**

Rugged Terrain is not responsible for damage caused by incorrectly installed products. We highly recommend this product be installed by a certified Polaris mechanic.

Installation should be performed when the engine is cold, we recommend waiting 6 hours since the motor was last run.

1. Remove the valve cover
2. Rotate the engine to TDC (Top Dead Center). To do this rotate the primary clutch, ONLY rotate clockwise. Refer to Polaris service manual for locating TDC.
3. After locating TDC rotate an additional 3-4 teeth which will release pressure from all valve springs. If you do not do this it is possible the cam chain may jump timing.
4. Remove OEM Cam Chain Tensioner.
5. Install the new Tensioner Adapter, ensuring the provided Tensioner Adapter Copper Gasket is installed in between the adapter and engine block to ensure a good seal. (See Diagram Below) Be sure to use some brake cleaner to remove all oil and debris from the exterior to ensure a good gasket seal. Tighten snug, don't over torque.
6. Insert Steel Pin.
7. Install new Tensioner ensuring the Tensioner Gasket is installed between the Tensioner and the Tensioner Adapter with the two Long Bolts. Add a little red loctite to each bolt before installation and torque to 11ft. Lbs.
8. Remove Center Retaining Post from the back of the tensioner. Use needle nose pliers to gently pull out, this will allow the tensioner to engage.
9. Install the Small Bolt and Copper Washer into the hole where the Retaining Post was removed.
10. Reinstall the valve cover.

