Thank you for purchasing the Tusk automatic cam chain tensioner. It will be a great addition to your Polaris RZR side x side.

**Contents**
- 1– Tusk billet aluminum adapter
- 1– Tusk tensioner push rod
- 2– M6 x 1.0 x 25mm hex flange bolt with 8mm head
- 1-Squash washer
- 1-Chain tensioner
- 1-O-ring gasket
- 1-Chain tensioner gasket
- 1-M6 Flange Bolt

**Vehicle Fitment**
- 2014-2016 Polaris RZR 1000 XP
- 2014-2016 Polaris RZR-4 1000 XP
- 2015-2016 Polaris RZR 900 Trail
- 2016 Polaris RZR 1000/900 S (60")
Tusk RZR Automatic Cam Chain Tensioner
Part#1840530001

Product Description

The hydraulic OEM tensioner on your Polaris RZR has been know to function improperly at start up or even fail under normal operating conditions. The Tusk cam chain tensioner is designed to reduce or eliminate the knocking noise on your RZR at start up. This product is intended to be a preventative maintenance item that should be installed prior to excessive wear or failure of your cam chain and its components. This product is not the solution for all cam and valve train issues.

Installation Instructions

1. Read these instructions thoroughly from start to finish before starting. If you do not feel that you are capable of performing this installation, take this product and your machine to a qualified mechanic.

2. Remove your key from your machine to prevent anyone from starting it during this procedure.

3. Remove your clutch cover on the LH side of your machine so you can use the clutch to manually rotate your motor. See image #1 Remove the oil filler cap on the top of your valve cover and take note of the position of the cam lobe. See image #2.

4. Rotate your clutch counter clockwise until the cam lobe is pointing upward. (Do not rotate your clutch clockwise) This will insure that all cam lobes will have no pressure on the valve springs and this will allow you to properly install your new Tusk Cam Chain Tensioner. See images #1 & 2
Installation

5. On the right hand side of your motor locate the OEM cam chain tensioner and remove it using a 1-1/16” or 27mm end wrench. Placing a clean rag under the opening will help catch any excess oil. **See images 3 & 4. DO NOT ROTATE THE MOTOR AFTER THE TENSIONER IS REMOVED**

![Image #3](Image #3)  
*OEM Cam Chain Tensioner*

6. **Confirm that tensioner is in full closed position.** Locate the supplied cam chain tensioner and a small flat screwdriver. With a pair of pliers remove the small key in the end of the tensioner, this will allow the tensioner foot to extend to full open position.

![Image #4](Image #4)  
*Tensioner in full open position*

7. Insert your small flat screw driver in the end of the tensioner and turn clock wise until the tension is in full closed position. Hold the tensioner closed and re-insert the previously removed key. **See image #4**

![Image #4](Image #4)  
*Tensioner in full closed position*
8. Locate the supplied chain tensioner gasket, Tusk billet adapter and assemble using the supplied M6 flange bolts. See image #5.

9. Locate the supplied squash washer and install in on the end of the Tusk billet adapter as shown in image #6. Make sure the washer stays in place when installing. Applying a small amount of light duty grease may help hold it in place.

10. Locate the supplied Tusk push rod and install it in the end of the Tusk billet adapter as shown in image #7. The push rod will extend out from the end of the adapter by about 1/16”-1/8”.

11. Carefully thread the assembly part into the machine. Use your 1-1/16” or 27mm wrench to tighten. (This part is aluminum do not over tighten).
12. Using your pliers remove tensioner key. \textbf{Image #8}

13. Using your small flat screwdriver rotate the tensioner clockwise until it stops and release. The tensioner will spring back counter-clockwise. \textbf{Image #9}

\textit{Note: Tensioner may lock in full closed position if too much tension is applied.}

14. Tighten (2) M6 x 1.0 x 25mm flange bolts.

15. \textbf{Final Step.} Install the supplied O-ring into the tensioner and install supplied M6 flange bolt and tighten. \textbf{image #10.}