

# FALICON

RACING



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## **SUZUKI ADJUSTABLE CAM SPROCKET INSTRUCTIONS**

**PART# 382-207 '96-'99 GSX-R600 & GSX-R750**

**PART # 382-206 ALL YEARS GSX-1300R HAYABUSA**

The GSXR has a ball bearing behind each cam sprocket. Press the original sprocket off but leave the bearing on. You'll notice that a line has been stamped on the end of each camshaft at the factory. Line up one of the adapter's 6mm threaded holes with the line and press the adapter on. Caution: make sure you press the adapter on the right way (with the larger of the two steps facing outwards). Make sure you are pressing the adapter on squarely to the cam. When pressing on an adapter, support the camshaft securely and squarely by the flange behind the ball bearing. DO NOT just stand the cam on its end and press. Failure to do this will result in damage to the cam and the adapter.

You may want to slightly G.T.A.W. weld a spot or two to secure the adapter to the cam. This will insure no future movement. DO NOT OVERWELD! Check for any clearance problems before starting the engine! When installing the sprockets, the intake sprocket is installed with the #2 marking located 180° from the factory line stamped on the camshaft. The exhaust sprocket is installed with the #1 marking directly in line with the factory line stamped on the camshaft.

**PART# 382-216 2000+ GSX-R600, 750, & 1000**

You will need to press off the old sprocket and press on the new sprocket adapter provided. Please note that a line has been stamped on the end of each camshaft at the factory. Take a good look at the end of the cam sprocket and the timing marks before you press off the old sprocket. Make yourself a sketch for reference if you do not have a factory repair manual. You may also want to check the stock cam location with a degree wheel. You will need to degree in your cam to the new settings after you install the adjustable sprockets.

Carefully press off the old sprocket. Line up one of the adapter's 6mm threaded holes with the line and press the adapter on until it is flush with the end of the cam. At this position, the adapter is approximately .765 inches from the first flange. Caution: make certain that you orient the adapter on the correct way (with the larger of the steps facing outwards, the side that fits the sprocket). When pressing on the adapter, support the camshaft securely under the 2<sup>nd</sup> flange from the end, and press the adapter on squarely with the cam. DO NOT just stand the cam on its end and press. Failure to support the cam properly will result in damage to the cam... they will bend if you stand the cam on its end!

To install the sprockets, the intake sprocket is installed with the #2 marking located 180° from the factory line stamped on the camshaft. The exhaust sprocket is installed with the #1 marking directly in line with the factory line stamped on the camshaft. To finish the installation, degree in your cam to the new timing specifications.