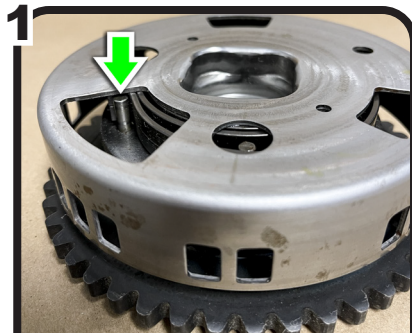
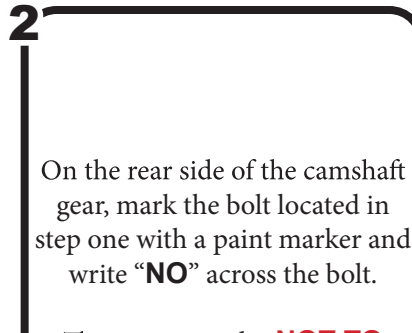


8 Degree Camshaft Limiter Instructions

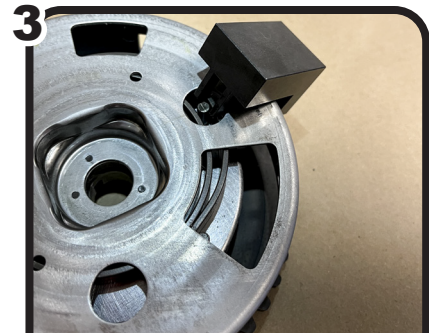


On the front side of the camshaft gear, locate the bolt holding back the spring tension.

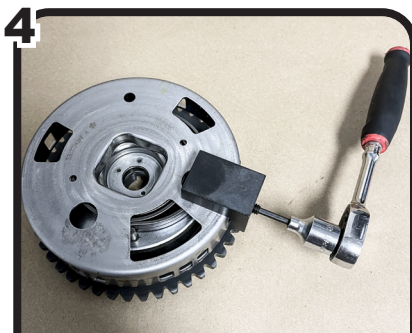


On the rear side of the camshaft gear, mark the bolt located in step one with a paint marker and write "NO" across the bolt.

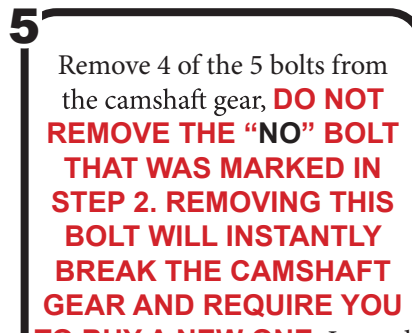
This is a reminder **NOT TO LOOSEN THIS BOLT, YET!**



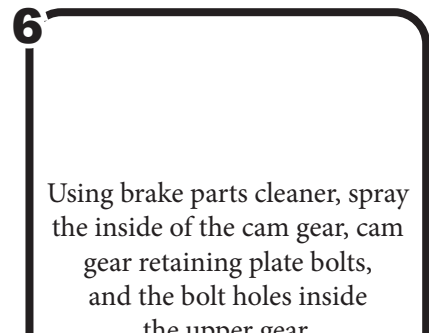
On the front side of the camshaft gear, find the long bolt with a spring on either side. You will place the two "ears" of the limiter tool on either side of this bolt.



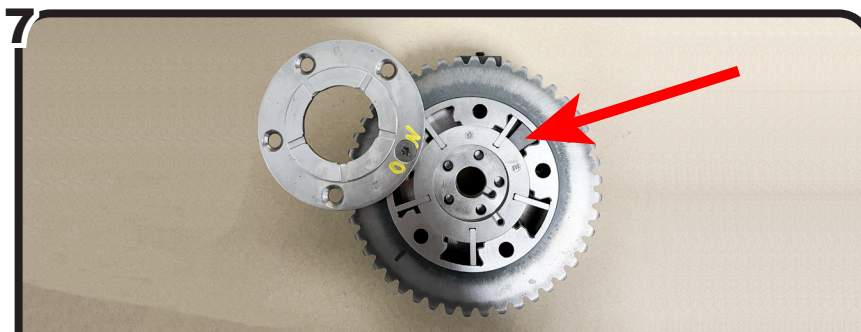
Install the limiter tool on the phaser and tighten the screw 1/2 to 3/4 of one turn.



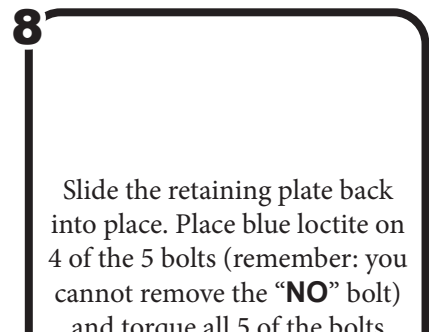
Remove 4 of the 5 bolts from the camshaft gear, **DO NOT REMOVE THE "NO" BOLT THAT WAS MARKED IN STEP 2. REMOVING THIS BOLT WILL INSTANTLY BREAK THE CAMSHAFT GEAR AND REQUIRE YOU TO BUY A NEW ONE.** Instead of fully removing this bolt, you only want to loosen the bolt just enough to slide the retaining plate to the side.



Using brake parts cleaner, spray the inside of the cam gear, cam gear retaining plate bolts, and the bolt holes inside the upper gear.



Install the 8 Degree Limiter into the upper camshaft gear into the slot shown. ***Important tip:** The slot you are installing the 8 degree limiter into will have the "vane" touching a block inside of the gear. All of the other "vaness" will not be touching anything. It is important that the limiter goes into the slot shown in the photo for proper function.



Slide the retaining plate back into place. Place blue loctite on 4 of the 5 bolts (remember: you cannot remove the "NO" bolt) and torque all 5 of the bolts to 150 inch pounds.