



# MOTORCYCLE DOCTOR LLC

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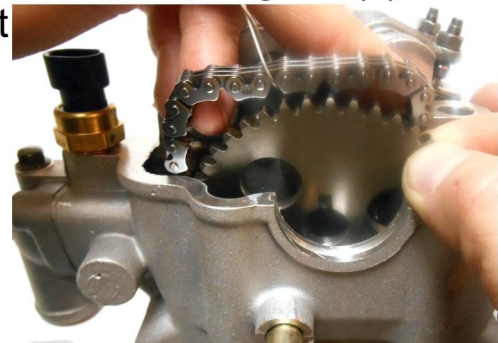
## Cam Shaft Timing HiSun 800, 950, 1000

1. Rotate crankshaft to TDC on #1 Cylinder by viewing the 'T1' on the flywheel through the hole on the crankcase by removing the crank position sensor. Make sure each cam chain is inline on the lower crank sprocket.

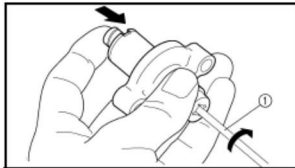
2. Install #1 Camshaft in #1 Head (closest to transmission) with Cam Lobes facing down. (#1 Cam has No Groove in O.D of cam sprocket circle mount, Cam # 2 has 1 Groove cut)



3. Before installing the cam sprocket, visually line up the cam sprocket bolt mount pattern on the cam with outer sprocket marks level with head making sure cam lobes are still facing down. Lower the sprocket down enough to wrap timing chain over the top of sprocket. Lift sprocket back to cam add Loc-Tite to the mounting bolt(s) and lightly tighten. Check flywheel TDC mark and cam sprocket marks level with head. Finish tightening sprocket bolt(s).



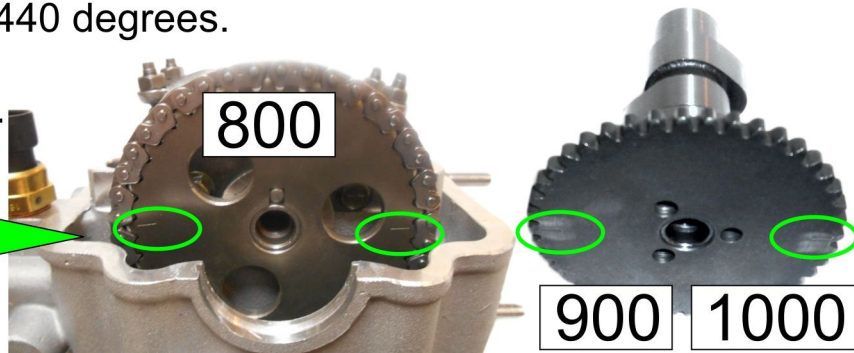
4. Install Tensioner by turning a small flat blade screwdriver clockwise to retract the plunger. Tighten both M6 bolts then release screwdriver.



5. Rotate crankshaft counter-clockwise 440 degrees.

(1 full rotation and 80 degrees) Locate Flywheel TDC mark for cylinder #2 'T2'.

Install Camshaft #2 (1 groove) with cam lobes facing down. Check cam sprocket marks are level with head surface.



6. Repeat step #3 for cylinder 2.

7. Adjust valve stem clearance at TDC and lobes down on Cylinder #2. Intake .004", Exhaust .005". Rotate crankshaft counter-clockwise 280 degrees and Cylinder #1 will be at TDC with cam lobes facing down, adjust these valves with same clearance.