

## CM410 : Supermoto Camshafts Yamaha YZF250F (2002-06)



### PARTS LIST

- Intake Camshaft 1
- Exhaust Camshaft 1

**<<<<<< IT IS RECOMMENDED THAT THIS PRODUCT BE INSTALLED BY A QUALIFIED TECHNICIAN >>>>>>**

**CAUTION - PLEASE READ!** When assembling a high performance engine, the use of aftermarket components - such as cams, pistons, valves, valve guides, and springs - requires caution and clearance checks during assembly. Since these components were not designed and tested by the engine manufacturer, it is your responsibility to ensure that these high performance parts will work together without interference! Some points to check are listed below. The following notes are based on a bucket type cam followers require all the same check listed here, plus bucket-to-head clearance at maximum lift, but techniques will vary slightly.

1. Install camshafts per the instructions in the factory service manual.
2. Set the camshafts to the factory marks and torque to factory spec. Please reference the factory service manual.
3. Stop at maximum lift and check top retainer to valve guide seal clearance. (.030" Minimum)
4. While at maximum lift, be sure to check for valve spring coil bind. Minimum of .010" between each coil all the way around each coil.
5. Stop at overlap position (Both intake and exhaust valves open) and check clearances between intake and exhaust valves. (.040" Minimum) This is vital with oversized valves and high performance cams.
6. Check piston to cylinder head and head gasket clearance. (.030" Minimum) This is important with big bore pistons.
7. Check piston to intake and exhaust valve clearance. (.050" Minimum on the intake, .080" Minimum on the exhaust.) This step is vital with high compression pistons, high lift cams, and oversized valves used singularly or together.

Please use a premium grade (SAE 30) petroleum based racing motor oil such as Yamalube or as recommended in your motorcycle owner's manual. We recommend new followers, shims, etc. with new camshafts, failing to do so can cause premature failure of your camshaft.

**Camshafts require special break-in procedures. Apply the enclosed assembly lube to cam lobe and follower surfaces. For proper break-in, after installation of a new camshaft, do not allow the engine to idle below 2000 rpm for the first 15 minutes of use. We recommend setting your engine at a high idle (2000 RPM) to insure proper lubrication.**

**LIABILITY RELEASE** - The purchaser releases the parts manufacturer, and WEB-CAM Inc. from all liabilities pertaining to the installation and use of purchased parts. Purchaser recognizes that any alteration and/or modifications to the vehicle may increase the risk of injury or accident, and may also render the vehicle illegal for use on public roads.

**THANK YOU** - Please read the warranty and installation information on your enclosed timing card.