



## **Camshaft Break-in Procedure For Flat Tappet Cams**

With the correct break-in lubricant applied to the cam and lifters, fill the crankcase with Shell Rotella or non-synthetic oil with an engine break-in oil additive, such as Comp Cams break-in oil additive PN#159. Prime the oil system so that all oil passages and the oil filter are full of oil.

Pre-set the ignition timing and prime the fuel system. Fill the cooling system and start the engine. The engine should start quickly and run between 1500 and 3000 rpm.

If the engine will not start, don't continue to crank the engine for long periods, as that is very detrimental to the life of the cam. Check for the cause and correct.

Once you have the engine running, vary the rpm up and down in the 1500 to 3000 rpm range during the first 15 to 20 minutes. Do not run the engine at a steady rpm.

That's it. Your cam is now broken in properly. Change your oil after the first 100 miles with the product mentioned above. You must use Rotella or the break-in additive for the life of the engine, or you could experience premature cam and/or lifter failure. Most modern oils no longer have the necessary additives (phosphorous & zinc) to keep flat tappet cam and lifters properly lubricated.