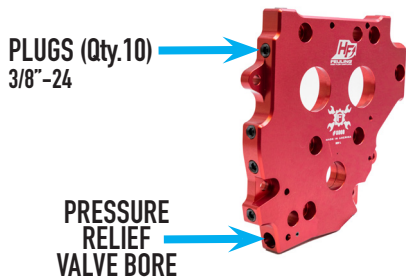
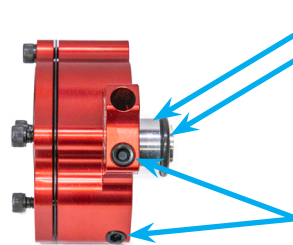


7. Wash, clean, & inspect the new FEULING components. Verify that all threaded holes around the profile are plugged & the pressure relief valve, spring & roll pin are installed. All Feuling camplates come with the pressure relief valve pre-set & tested from the factory with a full pop off at 55-60 PSI.



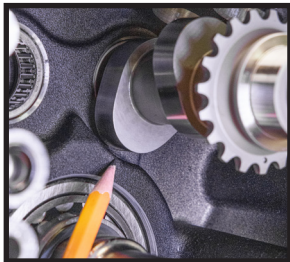
Verify camplate has all plugs (qty. 10) & the pressure relief valve, spring & roll pin are installed.



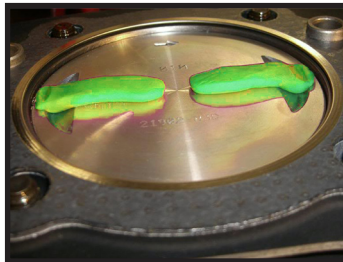
Oil Pumps: #7000, 7010 & 7050
Verify subseal standoff & o-ring is installed into back of oil pump.
Verify oil pump has 3 allen head plugs in the scavenge housing.

8. When installing a new set of cams, inspect camshaft for rotating clearance in the cam compartment by installing the cams in the case and rotating the cam. Clearance cam chest as needed. If installing a high lift camshaft verify piston to valve clearance. High lift camshafts will also require performance valve springs. See Feuling Beehive spring kits.

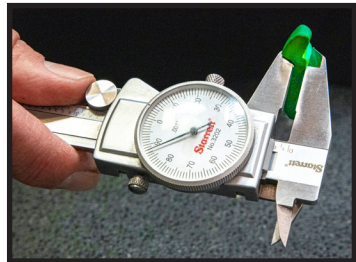
TECH TIP: Piston to valve clearance should not be less than the pre-load set on the hydraulic lifter.



Verify camshaft lobe rotating clearance to engine case.

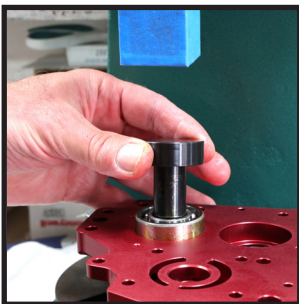


On high lift camshafts measure valve to piston clearance.

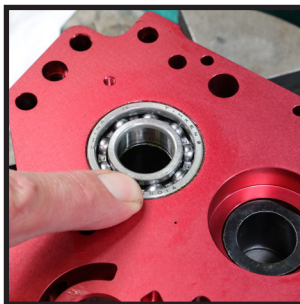


Measure thickness of clay after cycling engine.

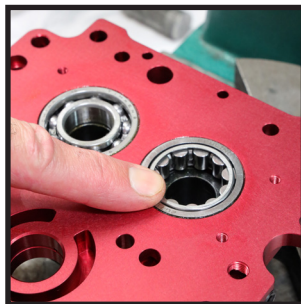
9. Install new cam bearings into the camplate. Feuling part #2078 for chain drive cams or part #2075 for gear drive cams. Bearings should be installed following HD® factory service manual procedures. Feuling recommends using press lube when installing the new bearings. **NOTE:** Chain drive cams use one roller bearing with race and one ball bearing. The roller bearing with race is installed into the rear cam position.



PART #2078 FOR CHAIN DRIVE CAMS
PART #2075 FOR GEAR DRIVE CAMS



Ball bearing goes in the front cam bore.

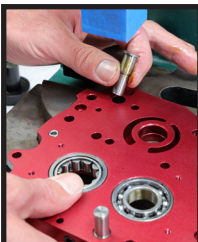
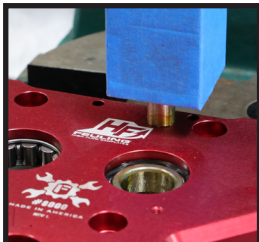


Chain drive roller bearing goes in the rear cam bore.

Press the bearings into the camplate using the proper press tools & lube, verify bearings are pressed square & flush with the camplate.

10. Camplates #8000 & 8030 (Kit #'s 8010 & 8031) are designed to use the factory style mechanical tensioners. When using these camplates for chain drive, install the provided tensioner pins and chain guide tower. If needed Feuling sells the pins & tower separately see part #7078. **CHAIN DRIVE NOTE:** Install inner tensioner prior to cam install.

- A) Start by installing the inner tensioner pin. Setup the cam support plate so the front of the camplate is facing upward. Apply press lube to the OD of the pin and press the pin in until it is fully seated.
- B) Flip the camplate over so the backside of the camplate is facing upward. Install the front tensioner pin following the same procedure as the inner listed above.



GEAR DRIVE NOTE: If running gear drive, do not install chain tensioner pins or chain guide tower.