



# FEULING®



## #9010 FEULING PRESSURE RELIEF PSI TEST TOOL

### IMPORTANT NOTICE

***This installation should be done by an experienced mechanic who has access to a factory service manual and all required tools. This procedure requires use of specialty tools.***

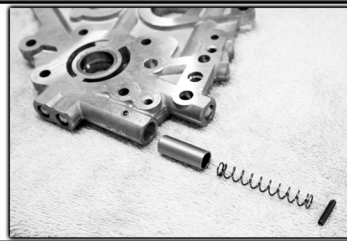
### CAUTION

***Incorrect installation can cause engine damage not covered under warranty. Failure to install components correctly can cause engine seizure and may result in serious injury to motorcycle, operator, passenger, and/or others.***

This pressure test tool is a must for any Twin Cam engine builder. Bench test the camplate before installation. Set the relief valve spring pressure to your desired pop off psi.

1. Clean all components of the Feuling # 9010 test tool
2. Install gasket.
3. Apply a dab of the included thread sealant to the end of the double ended NPT stand off, then install into the tool plate
4. Apply a dab of thread sealant to the opposite end of the NPT stand off, install the regulator following the arrow on the regulator for flow direction.
5. Apply a dab of thread sealant to the PSI gauge, install gauge into the regulator.
6. Install your proper air hose nipple into the regulator
7. To test a camplate - screw the camplate onto the tool with the oil pump mounting side of the camplate towards the gasket side of the tool. Using the bolts from your camplate tighten camplate to tool.
8. Clamp tool in a vise where indicated on tool - test by opening the regulator.
9. If adjustments are needed use Feuling tool # 9000 to remove the roll pin, spring & plunger
10. Check oil hole on face of camplate for air leak - leakage here is a loss of oil psi. You can use a brass punch behind the plunger to hit and re-seat the plunger to the camplate. Make sure the punch is centered before hitting.
11. Clean and inspect the plunger and plunger seat as well as the camplate bore & seat. The valve must move back and forth nice and freely within the camplate bore. It is recommended that a light lubricant be sprayed on the plunger valve before installation.
12. Make necessary adjustments to the spring length, to eliminate the need to re-install the roll pin each time you pressure test the camplate you can insert your 1/8" pin punch through the roll pin hole to hold the spring in place while you test. A spring length of 1.900" should get you close the recommended 55 – 60 PSI pop off, when using a Feuling high volume oil pump
13. When you reach your desired pop off pressure re-install the roll pin

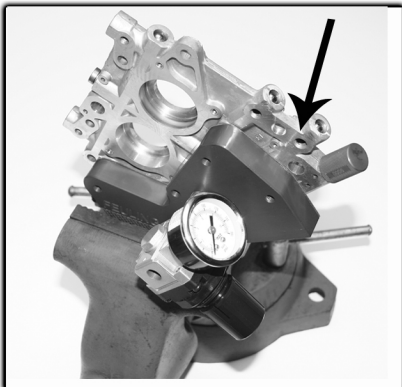
Inspect the valve for burrs & the bore for debris



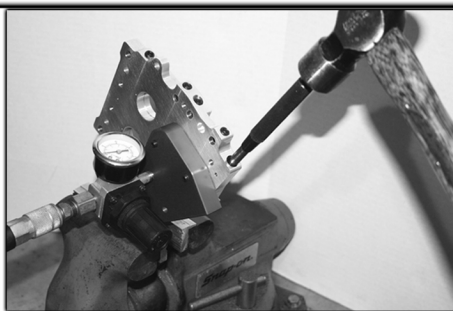
#### Feuling Part # 9010 Includes:

- 1 - Anodized tool plate
- 1 - Gasket
- 1 - Regulator
- 1 - PSI gauge
- 1 - Connector, Regulator to Tool

Check this hole for air leakage



If the valve leaks use a punch to re-seat the valve



Use a 1/8" pin punch to hold the spring in place for testing

