

**V-Twin Mfg.  
Solid lifter and Pushrod Kit  
VT No.11-0865**

**This is a custom application and rider safety depends on proper installation. This product should only be installed by a knowledgeable and trained motorcycle technician. V-Twin Mfg. accepts no responsibility for improper installation.**

**NOTE:** Special tools and a factory Service Manual are required for this installation. The shorter, adjustable Pushrods and pushrod tubes are provided with this kit. We recommends using replacement pushrod tubes VT# 11-0909

**NOTE:** These replacement Pushrods are not time saver type and may require removal of the breather/rocker arm supports.

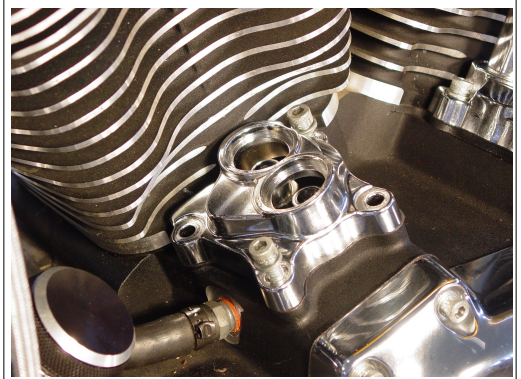
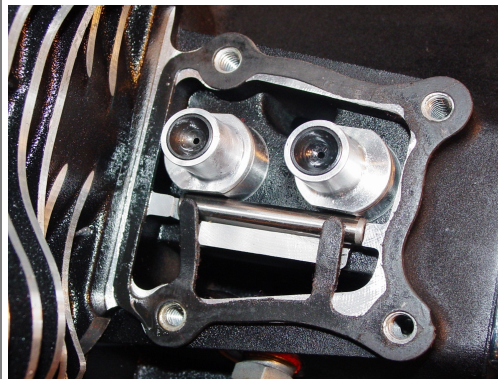
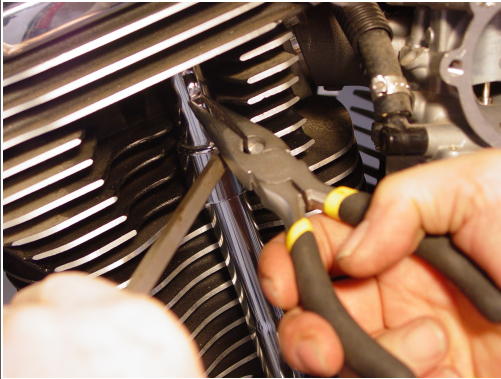
**Installation Instructions:**

1. Support the Motorcycle in a suitable stand or lift. Reference the service manual for all steps.

2. Remove the Air filter assembly, Push rods, and lifter blocks. Be sure the valve train is unloaded on the cylinder being serviced.

3. Remove the OEM Lifters. Clean and inspect the new lifters. Pre-oil the lifters and install with assembly lube in the lifter bore. **NOTE:** Install the new lifters with the offsets toward each other as shown.

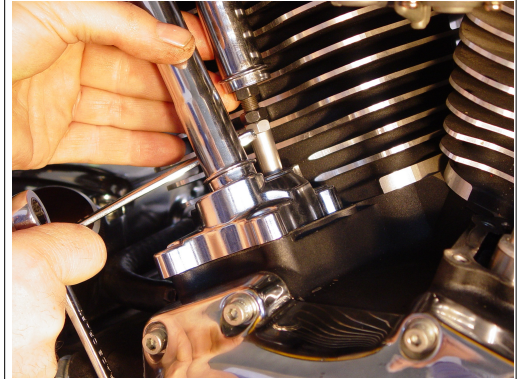
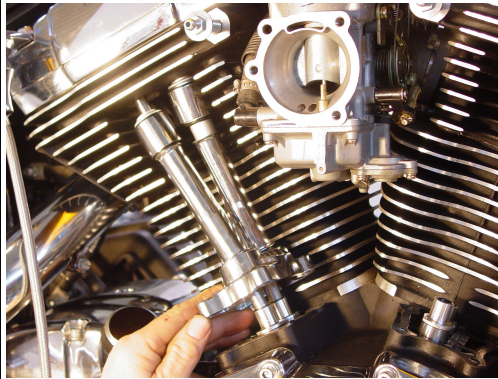
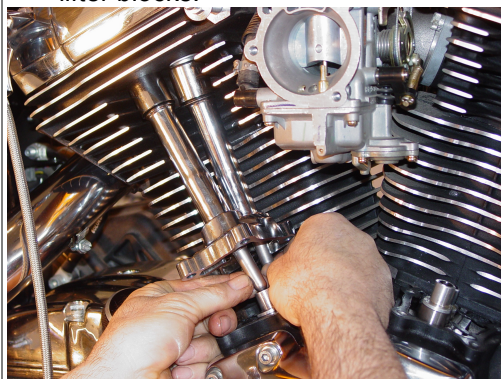
4. Place the lifter blocks and bolts loosely on the engine and rotate the engine several revolutions to check clearance fit. Depending on cam lobe high, on certain models the lifter blocks may have to be relieved for clearance.



5. The height of the lifters and length of the pushrods make it tricky to install without removal of the rocker covers and breather/rocker arm supports. The pushrods may be installed if inserted into the heads as an assembly with the pushrod tubes and lifter blocks.

6. Assemble the supplied pushrod tubes with the seals. Place the pushrods into the tubes and into the lifter block. **NOTE:** The intake pushrods are the shorter of the two. Slip the tops of the pushrods into the cylinder head and and the lifter block over the lifters.

7. It is generally easier to adjust the intake pushrod first. Adjust the pushrods to proper length using the cam manufacturer recommendations. **NOTE:** Solid lifters must have proper clearance. For reference use the cam manufacturer's specification.



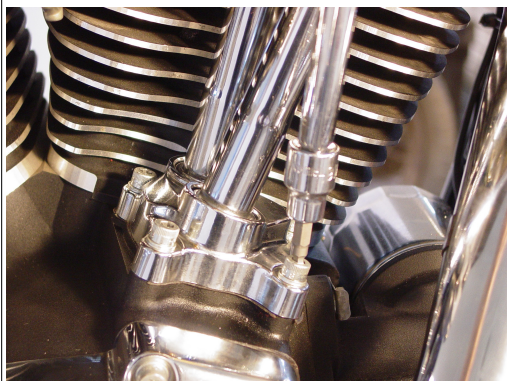
8. Adjust the Exhaust pushrod.



9. After each pushrod adjustment test fit the pushrod tubes and rotate the engine several revolutions to check clearance fit.

Threads per inch.            32  
Distance per full turn.    .0313

10. Rotate the engine several revolutions to check pushrod to tube clearance. Torque the lifter block according to service manual specifications.



11. Secure the pushrod tubes and air filter. Service the engine as necessary with fresh oil  
**NOTE:** Solid Lifters require periodic adjustments.



12. Parts list  
4 Solid lifters VT No. 10-0786  
4 Shorty Pushrods VT No. 11-0843  
1 Pushrod tube and seals set  
VT No. 11-1067