

**V-Twin MFG.  
Sifton Solid Lifter Kit  
For BT Evo Models 1984-99  
VT Part No. 11-9630**

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

### **INSTALLATION OF SIFTON ADJUSTABLE PUSHRODS**

To install Sifton adjustable pushrods with heads still on the motor, it may be necessary to remove the cam, lifter blocks, and lifters. Install pushrods with adjusters at their shortest lengths; then reinstall the lifter blocks, lifters, and cam, in that order.

If heads have been removed from the motor, Sifton adjustable pushrods can be installed without removing any of the parts mentioned above.

### **ADJUSTMENT**

With the new pushrods in place (and still adjusted short), rotate the engine so that the cam lobe is positioned at its lowest lift point on the front intake. Lengthen the pushrod by turning the adjustable end out (longer). Make sure all slack is taken out and that the lifter is not depressed or preloaded. This point is called Zero-lash. At this point the pushrod should be finger tight in the lifter seat.

When pushrod is snug (fully seated at both ends), lengthen the pushrod by 3 full turns. The end result is 3 turns of lifter preload past "Zero Lash". Tighten locknut using the V-Twin No. 16-0819 pushrod adjusting wrench. Do not exceed 15 ft. lbs. of torque!

Wait 10/15 minutes for hydraulic lifter to bleed down before rotating the engine so as not to bend a valve or pushrod. Repeat this procedure for the remaining three pushrods.

With all four pushrods correctly adjusted, engine should turn freely without any binding. The heel (low spot) of the cam lobe. With hydraulic lifters, adjust the pushrod to slightly drag on the lifter (make sure lifter is fully pumped up"). Then adjust pushrod out (lengthen) an additional 3-1/2 turns.

Repeat this step for each pushrod, making sure the adjustment is made with the tappet roller on the heel of the cam lobe corresponding to the pushrod being adjusted.

With solid lifters, adjust the pushrod to drag slightly on the lifter again with the tappet roller on the heel of the cam lobe.