

V-Twin MFG.
Crane Cams Adjustable Tappet Kit
For 1966-1984 Harley-Davidson" "Big Twins?", Shovel head" and Panhead"
VT Part No. 10-8249

**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 Instructions

1. Starting with one pushrod tube at a time, remove the pushrod tube lock and compress the tube.
2. While holding the tube up, towards the cylinder head, rotate the engine until the lifter is on the base circle of the camshaft. At this point the lifter is all of the way down in the lifter bore. To insure the engine is properly rotated, follow this procedure, working on one cylinder at a time. Rotate the engine in the normal direction until the exhaust lifter begins to rise. The intake is now on the base circle. Continue to rotate the engine in the normal direction until the intake lifter has come all of the way up and is approximately half way down in the bore again. The exhaust is now on the base circle.
3. Turn the adjuster down until maximum clearance is obtained. Remove the pushrod and pushrod tube as an assembly.
4. Repeat steps 2, 3 and 4 on the remaining tubes.
5. Remove the four tappet block bolts. Carefully lift the tappet block and lifters as an assembly, making sure the tappets remain in place in the block. Repeat this step on the remaining tappet block.
6. Remove the tappets from the tappet block and install the new tappets in their place. We recommend that you replace both the upper and lower pushrod tube seals along with the tappet block gaskets at this time.
7. Turn the adjusters in the tappets down to allow for maximum clearance during installation.
8. Holding the tappets in the block, lower the tappet block and tappets as an assembly into the case. If the tappet block is not held in place by counter bored bolts, you will need to use a tappet block alignment tool, V-Twin part no. 16-0977 and follow the procedure outlined in your service manual to properly locate the block. Torque the bolts to 90-120 inch/pounds.
9. Insert the pushrods into the tubes and reinstall into the engine. The longer pushrods are for the exhaust.
10. Holding the tube against the cylinder head, rotate the engine until the tappet is all of the way down in the block. Adjust the tappet until the pushrod contacts both the rocker arm and the tappet. Shorten slightly until there is no play, but the pushrod turns freely.
11. Repeat steps 10 and 11 on the remaining pushrod and tube assemblies.
12. Start the engine and check for any oil leaks.