

**V-Twin MFG.**  
**Rivera Adjustable Pushrod Kit**  
**VT Part No. 11-9702**

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: Removal and installation procedures should be performed on cold motors.**

**Installation Instructions:**

1. Disconnect negative battery cable from frame.
2. Remove both spark plugs.
3. Remove pushrod Cover clips and retract upper pushrod cover tubes into lower tube, 10 gain access to existing pushrods.
4. Be sure transmission is in the neutral position.
5. Hold ground cable to frame so that electric start will function, (Be ready to disconnect ground cable quickly if starter run on occurs, which is common on some HD's even when the spark plugs are removed). If motorcycle has a kick start feature the electric start system does not have to be used.
6. Rotate engine while watching the two (2) front cylinder pushrods until they are both in the lowest position and spin free. This can be done with either electric or kick start systems.
7. Disconnect battery again, so engine can not rotate.
8. With bolt cutters or similar tool cut stock pushrods and remove. This allows removal of the pushrods without having to disassemble the rocker box assembly.
9. Before installing the Rivera adjustable pushrods, we recommend inspection of push rod cover O-rings, to prevent common leaks in the future.
10. Fully shorten the pushrods.
11. Insert shortened pushrod into push rod cover with long end up. Re-position pushrod cover into place. Be sure all O-rings are properly positioned.
12. Extend the adjustable pushrods into rocker arm assembly and hydraulic lifter so that an equal amount of threads are exposed. Then lock top jam nut.
13. Be sure both ends are seated in their proper locations.
14. Extend lower section to the point where the pushrod has no up or down play, but spins freely (Zero lash).
15. Now extend the lower section three full turns and lock lower jam nut. (This will make the pushrod tight which will bleed the hydraulic lifter). It will take 10-15 minutes to bleed off . **It is very important that engine is not rotated while pushrods are tight or valve or piston damage may occur.**
16. Before proceeding, make sure push rods spin free. This ensures hydraulic lifters are bled off, and adjusted properly.
17. Recheck jam nuts, close covers, and install clips.
18. Repeat exact procedure on rear cylinder, steps (1) through (17).
19. When rear cylinder is finished, install spark plugs, and battery cable, start engine and check for O-ring leaks.