

V-Twin Mfg.
SIFTON MAXI-AXLE TAPPET SET
With INTEGRAL PUMP UNIT

For use on 1953-1984 Big Twin Pan and Shovel Models
VT No.10-0580 Std. 10-0581 .002, 10-0582 .005, 10-0585 .010

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.

Installation Instructions:

1. Before installing the Sifton Maxi-Axle Tappets, the tappets must be soaked in oil and be fully pumped up prior to the installation of the Sifton Hydraulic Pushrod Set VT No. 11-9523 Sifton Hydraulic Steel Pushrod Set or OEM 17904-66 equivalent for Shovelhead models or VT No. 7515-4 Stock Hydraulic Pushrod for Panhead models.
2. When installed in OEM tappet blocks the lifters should have a running clearance of .0007-.0012.
3. When installing the lifters in the tappet blocks be sure the oil hole on the tappets are facing each other in the tappet blocks.
4. With the Sifton Maxi-Axle Tappet installed, start with the front tappet at the lowest point on the cam and extend the pushrod to zero lash. There should be no up and down play at this point. This will not move the hydraulic unit from snap ring down.
5. For pushrods with 32 TPI extend the pushrod adjuster 18 wrench flats and tighten lock nuts. Both Sifton Pushrods and OEM pushrods have 32 TPI.

- Note:** 15 wrench flats if your pushrods have 24 TPI, 17 wrench flats if pushrods have 28 TPI, 24 wrench flats if pushrods have 40 TPI, and 30 wrench flats if your pushrods have 52 TPI.
6. This adjustment will make the pushrod tight, which will bleed the hydraulic lifter. It will take each lifter approximately 10-15 minutes to bleed off. It is very important that the engine is not rotated while pushrods are tight. The pushrod should spin with your fingers after it they have bled off properly.
 7. Be Sure to recheck the lock nut.
 8. Install pushrod rod top clips.
 9. Repeat exact procedure on the remaining three lifters.

Note: Be sure to clean tappet screen before starting motorcycle.
Sifton recommends the use of a 20-50w motorcycle oil for best results. You may use with 50w or 60w oil however you may have a slight ticking noise on cold starts. This is normal and will subside as the engine is brought up to operating temperature.

- Note:** The following is sometimes mistaken for noisy tappets:
1. Rocker arm end play should be between .004" to .010".
 2. Oil pressure at normal operating temperature @ around 2000 RPM should be between 12- 35 PSI.
 3. The clearance between cam gears and pinion gear, also known as gear lash.
 - a. You may have a slight whine when the engine is cold if you did not change the cams at the time of installing the new tappets and had no gear lash.
 4. Be sure to check valve to guide clearance is within OEM specifications.