

**V-Twin Mfg.
Posi Lock Clutch
For use on 1998 - 2008 BT Models
VT No. 18-0780**

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.

Posi Lock Clutch is designed to lock up as torque is increased and clutch slippage is detected. An additional benefit is reduced clutch lever effort. No modifications are required to the stock primary or derby cover.

1. Support the motorcycle on a suitable lift. Refer to the service manual, drain the chain case oil and remove the primary cover.



2. Slide back the boot on the clutch cable adjuster and loosen the clutch cable jam nut. Adjust the cable all the way in as shown.



3. A & B - Follow the instructions listed in the service manual and remove the OEM clutch retainer and diaphragm spring



4. A & B - Remove the OEM jam nut and clutch adjuster from the stock pressure plate. They will be re used. Remove the OEM pressure plate.



5. Install the OEM clutch adjuster in the Posi Lock Clutch pressure plate. Leave approximately one inch of exposed thread as shown. Place the lower Posi Lock Clutch pressure plate in place of the OEM pressure plate.



6. Adjust the Posi Lock Clutch by applying firm pressure onto the clutch pack. Using a 7/32 Hex key, turn the adjuster clockwise until you see or feel the Posi Lock Pressure slightly lift. Now back the adjuster counter clockwise 1 to 1-1/2 turns.



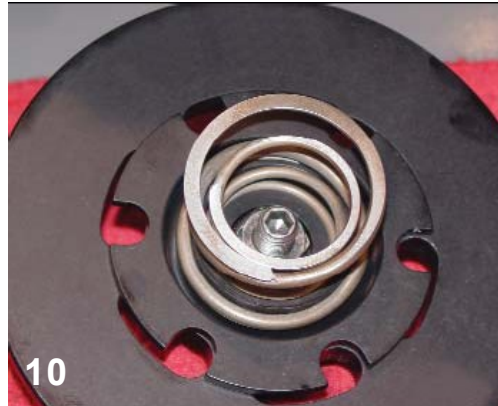
7. Lock the jam nut insuring you do not move the adjuster.
NOTE: This is a critical adjustment and must be made accurately for the Posi Lock Clutch to work properly.



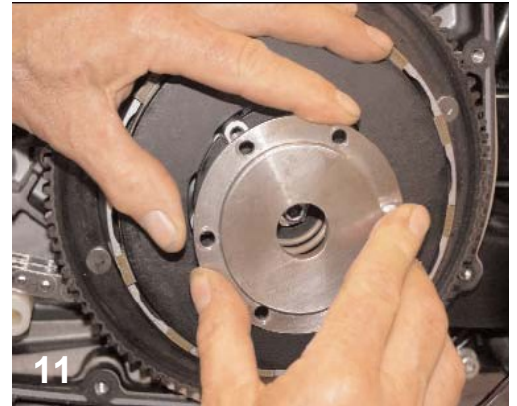
8. Remove the Posi Lock Pressure Plate. Apply a small amount of grease to the 6 ball bearings and place them in the ball grooves.



9. Place the outer (small) pressure plate over the 6 balls as shown. To insure it is placed correctly, as you turn the outer pressure plate clockwise, it should rise.



10. Place the 1.5" & the 2.25" springs on outer pressure plate as shown. Insure both springs are seated firmly in their groove.



11. Place the top plate over the Posi Clutch springs and holding the entire assembly, place the clutch assembly in place over the clutch pack, as shown.



12. Secure the clutch assembly on to the clutch pack using Loctite and the 6 cap screws. Tighten the screws in evenly. Once seated, torque to 8 ft-lbs.

13. Install the primary cover and service the chain case oil, using the recommended oil.

14. Refer to the service manual to properly readjust the clutch cable.

NOTE: Free play should be set at 1/8 - 1/4 in.

15. Lock the jam nut and slide the boot over the adjuster.