

Compensator Installation Instructions VT No. 19-0167

Read all installation instructions first! Verify primary chain sprocket alignment using supplied washers/spacers before final installation. Refer to OEM Service Manual for removal and installation of stock primary drive components. ***Note: 19-0167** is fully assembled from the factory and must be disassembled completely before following these instructions.

1. Safely support and secure motorcycle.
2. Disconnect the battery as per service manual.
3. Drain primary fluid into pan.
4. Remove outer primary cover and gasket.
5. Remove existing sprocket or compensator. Primary chain and clutch basket if needed. Visibly mark primary chain to ensure same rotation on sprockets.



6. To assemble 19-0167 apply a thin coat of Anti-seize to the sprocket carrier threads as needed. Apply a thin coat of assembly lube to the larger Nylatron washer and install washer over threads of sprocket carrier, to the face of the flange.

7. Apply a thin coat of Anti-seize to the threads of the 19-0167 sprocket. Note the recessed surfaces of the sprocket, the larger recess faces larger Nylatron washer and carrier body.



Thread sprocket onto carrier body until sprocket stops and locks against the washer and carrier body flange fully seating Nylatron washer into recess of sprocket. DO NOT PINCH NYLATRON WASHER BETWEEN FLANGE AND SPROCKET. This can / will cause compensator to operate incorrectly, and may cause compensator failure.



10. Apply a thin coat of assembly lube to the Nylatron washer



Note: DO NOT PINCH EITHER OF NYLATRON WASHERS BETWEEN SPROCKET CARRIER BODY, AND OUTER BODY.

9. Install clutch basket and primary chain back onto motorcycle.



11. Fully seat smaller Nylatron washer into recess sprocket on 19-0167, then install the flange. Align assembly and outer flange with splines on sprocket shaft and install.



12. Install the "thin" then "thick" sprocket shaft bolt washers onto bolt. Install bolt using OEM recommended thread locker and torque to specifications.



13. Install primary chain tensioner, clutch components, adjust clutch, install new primary cover gasket, outer cover, torque to specifications, install drain plug and fill with primary fluid. Any questions on re-installation of parts, refer to the OEM service manual.



NOTE: The 19-0167 is designed to lock up 19-0167 drive sprocket during use. The 19-0167 will remain in a lock up piston until torque of the engine with the wrap of the primary chain need to compensate. The 19-0137 will do its job and absorb the shock then go right back to the lock up position. You will not be able to break the 19-0137 loose once it has seated its under operation.

Fits 2007-16 Big Twins, Important note all 2007-10 there is no need to change the stator tor rotor.

The 19-0167 works with either style of stator rotor, 2007-10 & 2011-16. Use the steel spacer as need to achieve the correct primary sprocket and chaining alignment. Also you must use the supplied 9/16" -12x 3.250" long hex head bolt with red thread locker, let thread locker cure 24 hours before starting motorcycle. The steel spacers go between stator rotor and 19-0167 carrier body assembly.

19-0167 Compensator Sprocket



