



92309 – Powerglide “Ultra-Tail”

The J.W. Performance Ultra-Tail has been reinforced in all of the critical areas. The mounting pad is wider than a stock tailhousing to provide a more stable mount. A roller bearing has been installed with a retaining ring to prevent the bearing from backing out. The rear seal area and rear housing has been made larger than a stock tailhousing to allow modification for the use of a Turbo 400 output shaft.

Installation

1. Remove the OEM [tailhousing](#)
2. Bolt on the new J.W. Performance Ultra-Tail with the supplied socket head cap screws, and torque to 30 ft/lbs.
3. The internal diameter of the roller bearing is exactly 1.500”. Stock yokes may vary in size. Measure the yoke’s diameter. If the diameter is over 1.500” you can polish the yoke to size. If the diameter is under 1.498” the yoke should be replaced. Slip the yoke into the bearing to make sure it slides in and out easily.
4. Replace all of the tailhousing mounting pieces, such as the cross-member, using your existing hardware.



Tailhousing Installation Note

Prior to installation, thoroughly inspect all mating surfaces for cleanliness. Particles as small as a few thousandths of an inch between the mating surfaces can create a major misalignment between the output shaft and the tailhousing to the extent that the yoke will be difficult to insert.

Due to the fact that OEM transmission governor supports vary slightly in diameter, the tailhousing may fit tightly as it is drawn over the support. If this should occur, evenly tighten the housing bolts slightly and tap the housing towards the transmission case using a non-metallic hammer. Repeat the process until the housing bottoms out against the transmission case. As the housing is drawn over the support, a buss may develop to prevent the housing from properly bottoming out on the transmission case. If the housing does not bottom out, remove it and inspect the housing counter-bore for burrs that may have developed as the housing was drawn over the support. Installation will be easier during the second installation.

J.W. tail housings are designed to fit snugly to eliminate possible vibrations resulting from excessive space between the governor support and the tailhousing counter-bore. After installation, check to see that the output shaft is centered in the housing by inserting the driveshaft yoke.