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HP3729 – H.D 4th GEAR BAND SERVO KIT_{9/24/16}

For over 45 years our goal has been to provide racers and enthusiasts with reliably engineered, U.S. manufactured, torque converters and drive train components for your high performance application. *Before you start your build, please take a few moments to review the important Product Safety Information and installation steps set out within this instruction manual.* If you still have questions; Hughes Performance® technical team is here to help: (1-800-274-RACE).

Important Product Safety Information

Throughout these instructions important safety information is generally preceded by one of three signal words indicating the relative risk of injury. The signal words mean:

! WARNING a hazardous situation which if not avoided could result in death or serious injury. **You CAN be Killed or Seriously Injured if you do not follow instructions.**

! CAUTION a hazardous situation which if not avoided could result in minor or moderate injury. **You CAN be moderately INJURED and also may suffer property damage if you don't follow instructions.**

NOTICE careful attention is required to follow this installation instruction or operation but does generally not relate to personal injury. Damage to your product or other property may result if you do not follow instructions.

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! WARNING: Improper selection of Hughes Performance® products, failure to follow installation instructions and/or misuse increases the risk of injury or accident. For your safety and the safety of others:

- Assure the Hughes Performance® product selected is intended for your application with an additional safety margin above your expected horsepower, torque, and intended usage of product and vehicle.

- These instructions are not intended to address all risks related to modification of your vehicle or use. Remember: *you are the builder and chief safety engineer for your modified vehicle*. Consult and follow all OEM warnings and operating limitations.
- **! WARNING:** Use protective eyewear and gloves. If dusty, use face mask, wet and wipe clean working surfaces. Transmission fluids and cleaning products are highly flammable! Avoid open flame, welding sparks, smoking, or other sources of ignition. Flexplate, torque converter, and transmission assembly involves heavy parts and pinch points. Use support jacks and review installation steps before attempting.

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1. **! NOTICE** Remove the servo cover retaining ring, servo cover and the 4th gear piston that fits inside the servo cover. Discard the servo cover and 4th gear piston.
2. Place the steel washer from the Hughes kit onto the servo apply piston.
3. With the outer O – ring removed from the cover, install the Hughes servo assembly and retaining ring
4. **! CAUTION** Lightly tap on the cover to help seat the servo cover against the retaining ring.
5. **! NOTICE** Check servo pin travel by measuring the distance that the servo cover moves when the servo cover is pushed into the case.
6. **! CAUTION** Change servo pins, or grind the tip of the servo pin to achieve desired pin travel (typically .125”)
7. Once desired servo pin travel has been verified, install outer O – ring onto servo cover and reinstall the Hughes servo assembly.