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HP4270  
C6 R-SERVO KIT<sub>1/9/17</sub>

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.

(For Calif. Residents-Prop. 65):

**! WARNING**

This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

(for more information on Prop. 65 see [www.P65Warnings.ca.gov/product](http://www.P65Warnings.ca.gov/product))

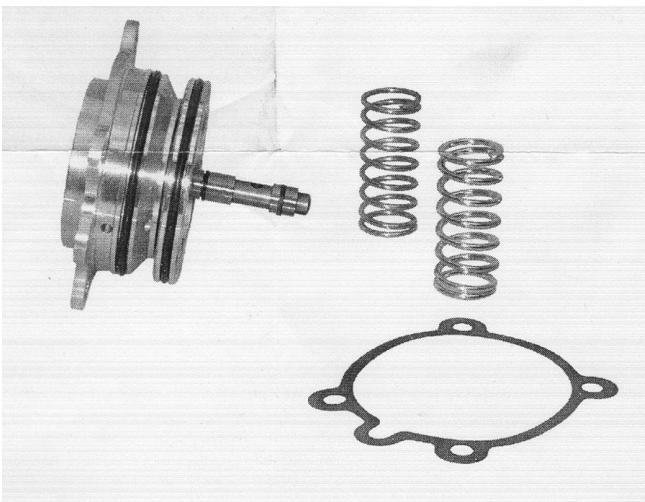
To reduce risks: work with gloves, safety glasses, wash hands before eating, and dispose of any fluids properly.

**! 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.

**! WARNING:** Cooler fittings should never be plugged. If a cooler is not used, connect lines together with a loop of hard line or appropriate flexible hose that is compatible with automatic transmission fluid and that carries a minimum 500 PSI rating.

# HP4270

## C6 R-SERVO KIT



### Parts List:

- 1 Servo cover
- 1 Servo assembly
- 1 Servo pin O-rings
- 1 Medium O-ring
- 2 Large O-ring
- 1 Gaskets
- 2 Selective springs
- 1 Servo pin Teflon seal ring

1. **NOTICE** Remove the old servo assembly and clean inner bore and gasket area.
2. This servo kit is a drop-in item for the 1968 ½ and later models. **! CAUTION** Models previous to this will need to be bored out to a diameter of 3.493” to 3.495” with a surface finish of less than RA16.
3. **NOTICE** Choose one of the two return springs. The smallest wire (.105”) spring will result in a quick 1-2 shift but a slower 2-3 shift. The large wire diameter (.120”) spring will give a quick 1-2 and 2-3 shift.
4. Apply assembly lube or Vaseline to the servo bore of the case and install the servo assembly into the case.
5. Insert bolts and tighten.
6. Adjust band as follows: tighten to 72 in. lbs. then back off 1 ½ turns and lock nut.