



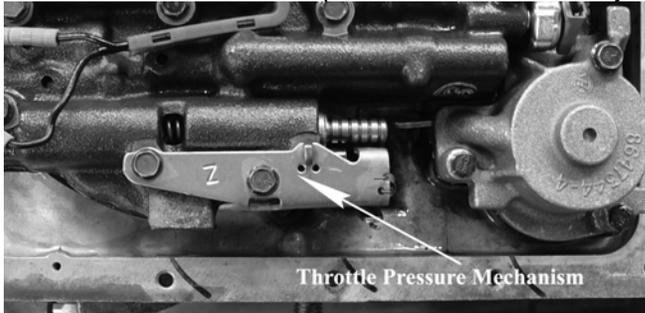
TCI[®] 374400

Throttle Valve Sleeve Assembly for 700-R4/4L60

This kit will prevent part-throttle downshifts from fourth to third gear from occurring until approximately 85% throttle has been applied whereas most OEM setups will force a part-throttle downshift around 50% throttle opening. You can also restore proper downshift performance by replacing a worn, stock assembly with the TCI[®] 374400 kit.

STEP 1 Drain oil pan. You will need a pan to catch fluid. Remove transmission oil pan bolts. When removing bolts, remove so pan will not drop completely off but will be held into place so that one side will allow the fluid to be drained. After the fluid has drained, remove the rest of the bolts and pour out the remaining fluid. Remove gasket and discard. If gasket material sticks to transmission pan or case, remove all material completely. 700-R4/4L60 transmissions do not have a drain plug. You may want to install a TCI[®] 805800 universal drain plug kit into your pan now that you have the pan off.

STEP 2 Locate the throttle pressure mechanism on your transmission. See **Photo 1**.



STEP 3 Remove the bolts retaining the throttle pressure mechanism to the valve body. Using a pair of side cutters, grasp and remove the roll pin holding the sleeve in the valve body. Pull the existing plunger and sleeve out together. *Be sure not to lose the spring behind the plunger.* Remove the existing plunger from the sleeve. Clean and lubricate the plunger with ATF and install in the new sleeve.

STEP 4 If the spring came out of the valve body, place it back in the bore. Orient the new sleeve so that the roll pin groove will line up with the roll pin hole in the valve body. Slide the new and new sleeve assembly into the valve body bore and replace the roll pin. Bolt the throttle pressure mechanism back into place making sure it is properly oriented. Torque the bolt to 8 ft.-lbs.

STEP 5 Important: Readjust the throttle valve cable at the carburetor/throttle body. With the pan still off the transmission, you can verify your adjustment. Have someone hold the throttle wide open using the gas pedal, not the throttle mechanism, and make sure that the plunger is fully depressed.

STEP 6 Put a new filter in, making sure that the old filter o-ring has been removed from the pump bore. Replace pan using a new gasket and torque the bolts to 8-10 ft.-lbs. Refill the transmission to the proper level, being careful not to overfill.