



# Technical Service Information

---

## 4T65-E

### NO FIRST OR FOURTH, SECOND AND THIRD ONLY

**COMPLAINT:** A complaint of second gear starts with a shift into third and no fourth. Gear ratio codes may or may not be present. Computer command signals to the solenoids for first, second, third and fourth have been verified. Solenoids have been replaced and in some cases even the valve body.

**CAUSE:** One cause may be a stuck Actuator Feed Limit Valve located in the channel plate as seen in figure 1. With this valve stuck, solenoid feed oil to shift solenoid 1-2/3-4 is either blocked or has insufficient flow rendering the solenoid inoperable as if the solenoid failed in the stuck off position mechanically. Shift solenoid 2-3 is not fed with Actuator Feed oil allowing it to continue to function as designed and thereby causing only second and third gears to be available irregardless of the proper shift commands provided by the computer.

**CORRECTION:** Free the Actuator Feed Limit valve.

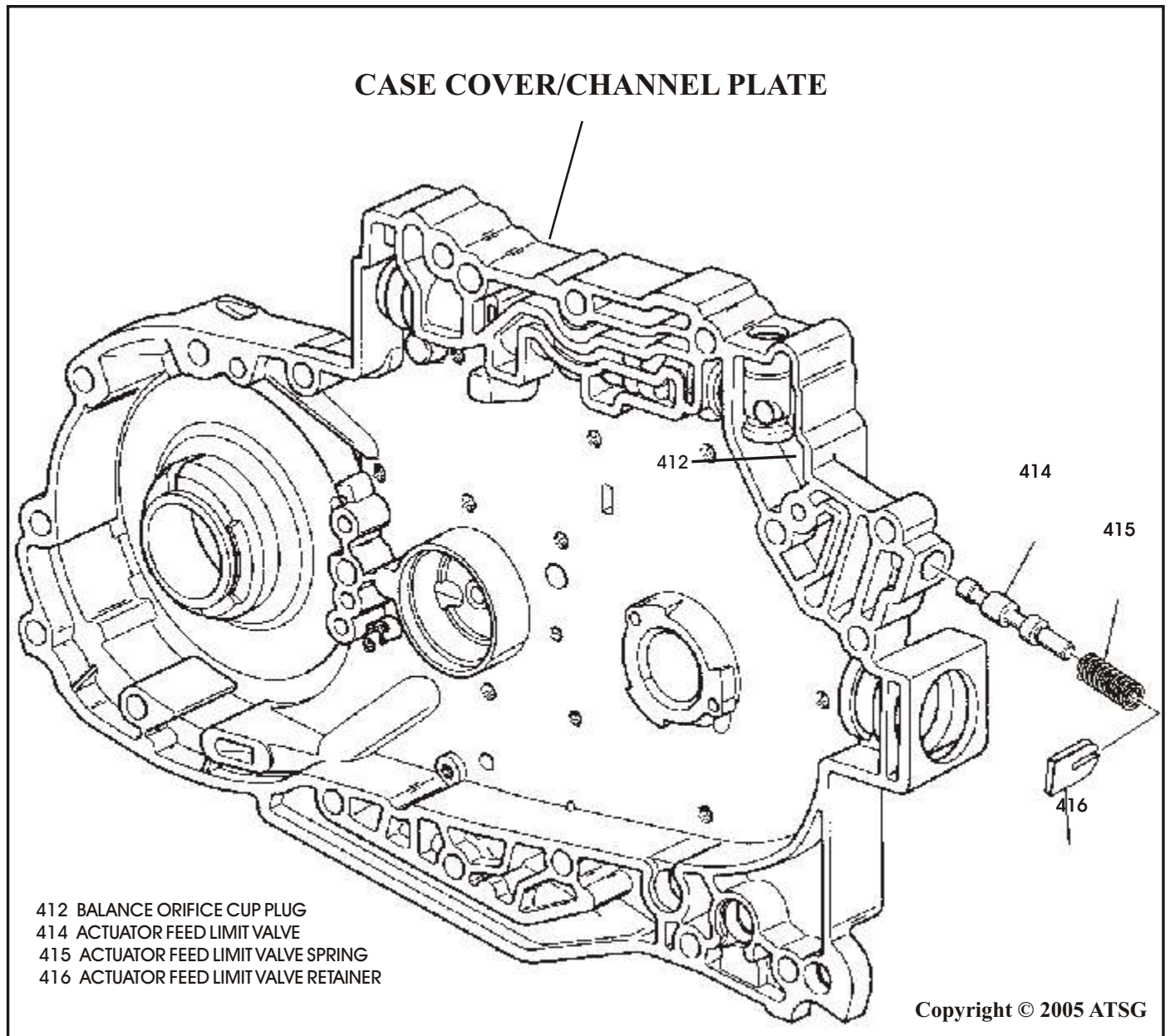


Figure 1