



# Technical Service Information

## FORD 5R55W

### DELAYED ENGAGEMENT OR DTC P0705

**COMPLAINT:** After overhaul, the transmission has delayed engagements on garage shifts and may even exhibit a 2-3 flared shift, which may also be accompanied by a DTC P0705, Digital Trans. Range Sensor Fault.

**CAUSE:** The internal linkage detent lever has been bent, (Refer to Figure 1), this causes a mis-alignment of the manual valve, and in some instances the manual valve may be bent as well.  
The main cause of bending the internal linkage is the manual selector shaft nut. This nut has thread lock on it from the factory, this thread lock compound creates a situation where the nut that retains the manual selector shaft is so tight, that the technician has exerted enough force to bend internal linkage components. Note: If the Manual Linkage is out of alignment the Digital Range Sensor will not be aligned correctly as well.

**CORRECTION:** Heat must be applied to the selector shaft nut in order to loosen the thread lock, (Refer to Figure 2), thereby requiring less force to loosen the nut and preventing the internal linkage from being damaged.

In many instances the Transmission Range Sensor has been damaged from the heat of the torch and will need replacement, the part number is listed below under service information.

**SERVICE INFORMATION:**

*Detent Lever*.....**XW4Z-7A115-AA**  
*Transmission Range Sensor*.....**1L2Z-7F293-AA**

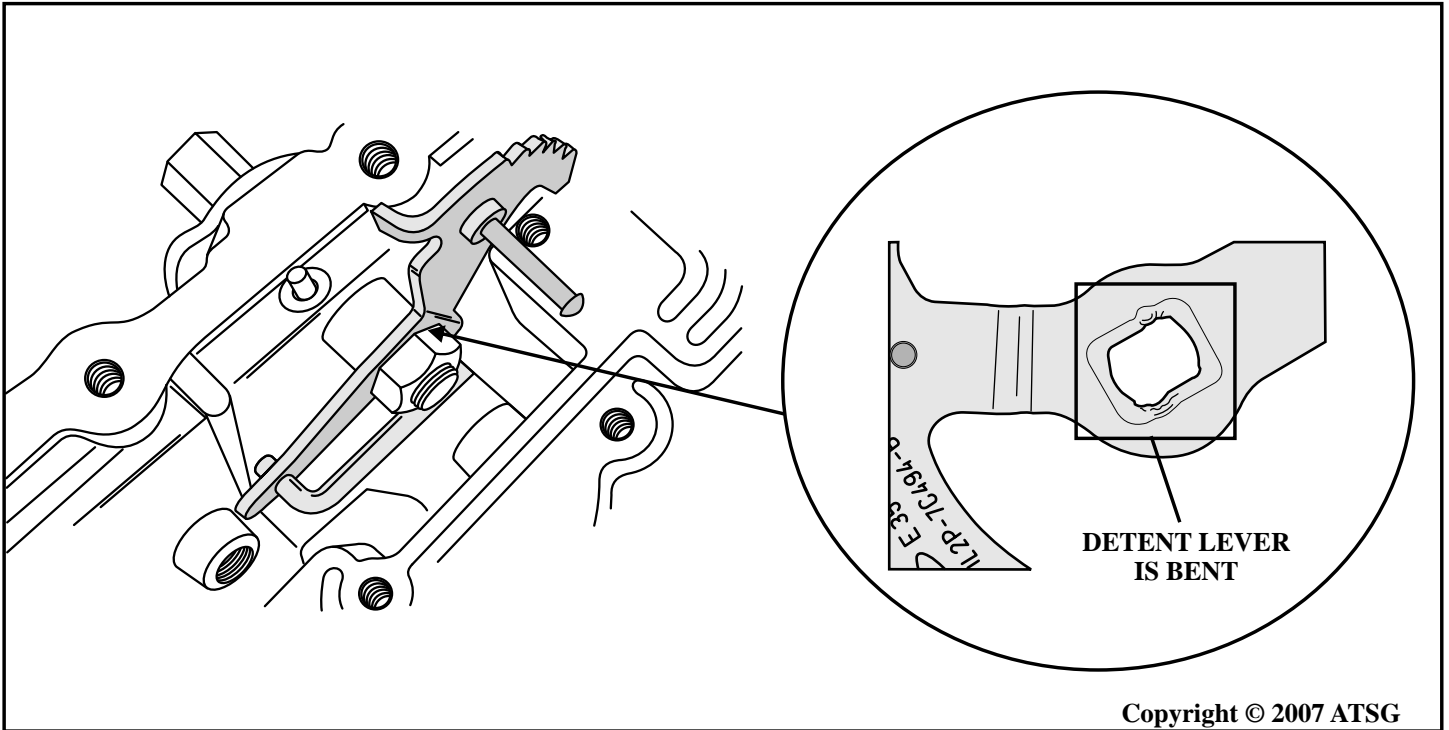


Figure 1

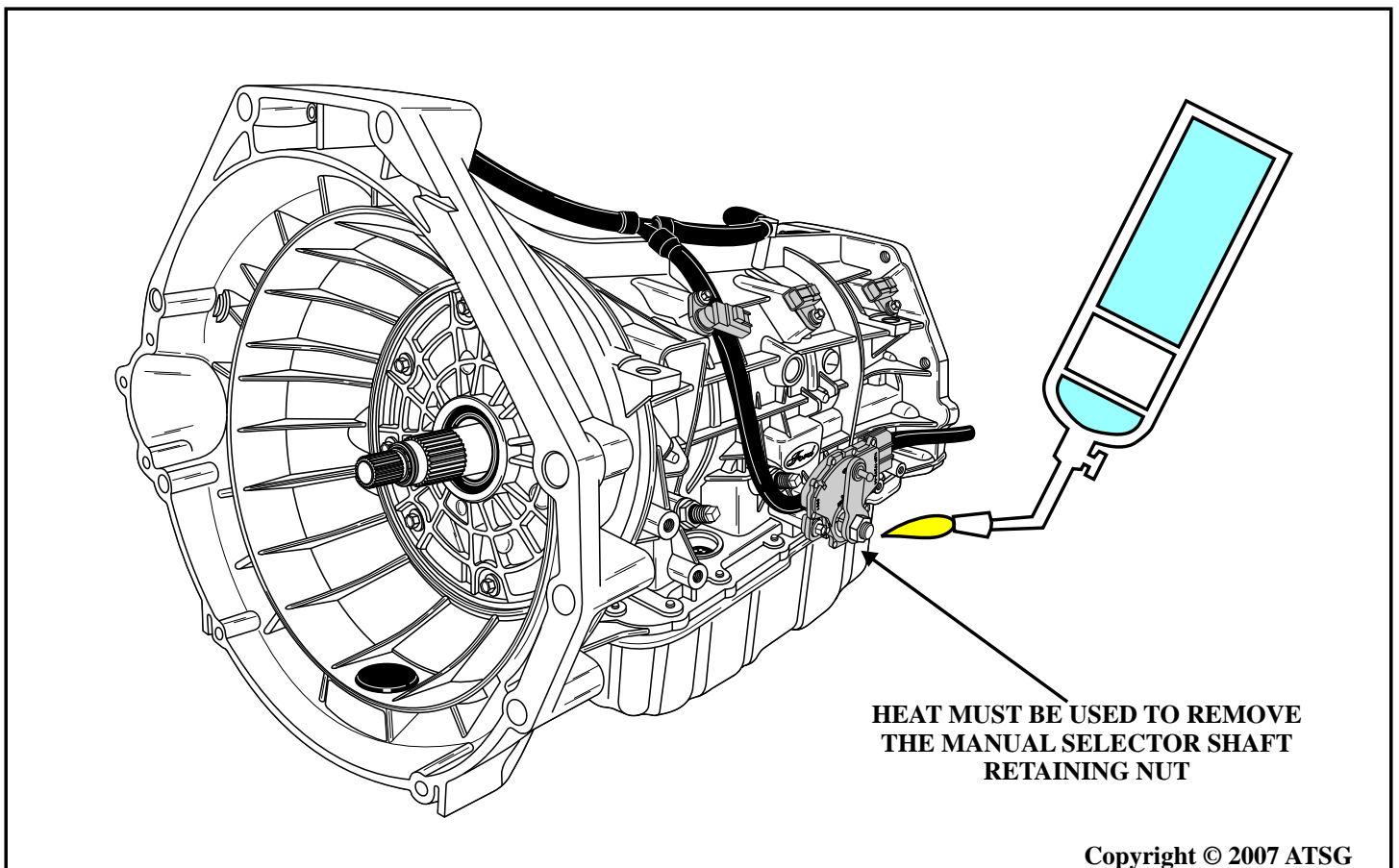


Figure 2