

## CERTAIN 2017 MODEL YEAR F-150 VEHICLES EQUIPPED WITH A 10R80 TRANSMISSION — ROLL PIN REPLACEMENT

### OVERVIEW

In some of the affected vehicles, the roll pin attaching the transmission shift linkage to the transmission may come out. If this happens, movement of the shift lever by the driver will not change the transmission gear state. The transmission will remain in the gear it was in when the pin came out regardless of the position of the shift lever.

If the roll pin comes out, a driver may experience any of the following:

- A loose or low effort feel of the shift lever.
- If the vehicle is equipped with a floor shifter, the shifter indicator could display inaccurate gear position.
- When exiting the vehicle, if the transmission is not in Park, the ignition key can be removed, but a warning chime will sound and a message will be displayed in the instrument cluster indicating Transmission Not in Park.
- If the transmission is not in Park or Neutral, the driver would not be able to restart the vehicle.
- If the vehicle cannot be shifted to Park and the parking brake is not applied, unintended vehicle movement may occur, increasing the risk of accident or injury.

Before demonstrating or delivering any new in-stock vehicles involved in this recall, dealers are to replace the transmission shift linkage roll pin.

**When operating affected vehicles prior to repair, make sure the parking brake is applied whenever the vehicle is parked.**

### SERVICE PROCEDURE

#### Recommended Tool List:

1/4" Drive 8mm and 10mm Mid-length Socket	3/8" Drive Extension 10 in (254 mm)
3/8" Drive 19mm Socket	10mm and 8mm Flex Head Ratchet Wrench
3/8" Drive 13mm Crows Foot	3/16" Punch
1/4" and 3/8" Drive Ratchet (Hand and Power)	Trim/Push Pin Removal Tool
1/4" Universal Joint	Pocket screw driver
1/4" Drive Extension 6 in (152 mm)	Hammer
3/8" Drive Torque Wrench	

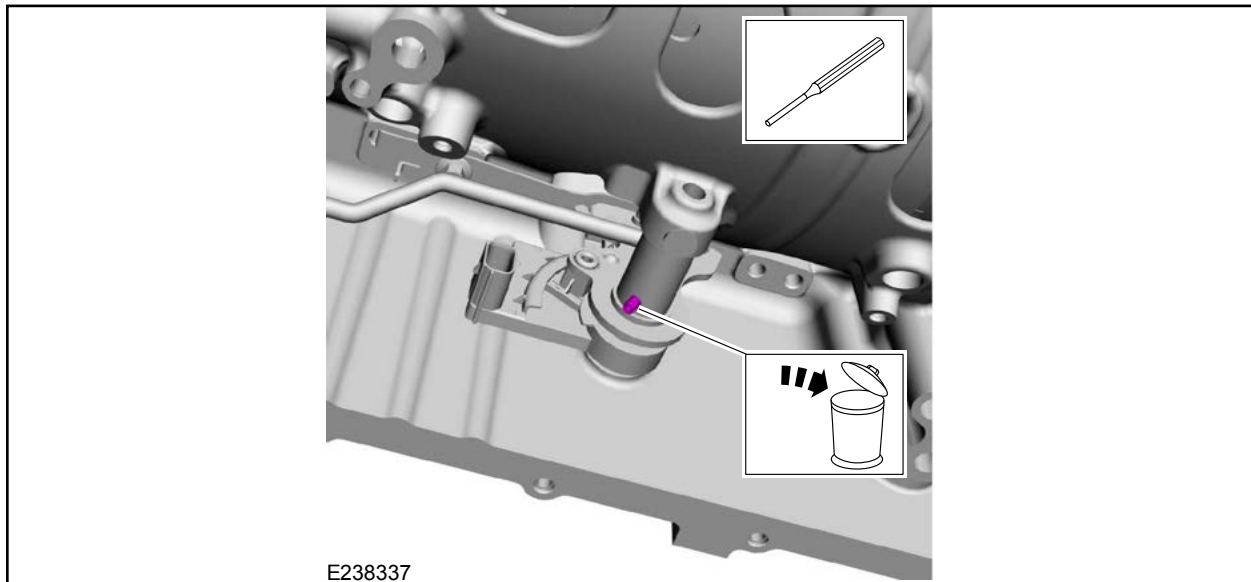


1. Remove the transmission fluid pan. Please follow the Workshop Manual (WSM) procedures in Section 307-01B.

**NOTE:** Mark the new roll pin at 3 mm (0.11 in) up from the bottom (opposite the tapered end) to aid installation.

2. Replace the transmission manual control shaft-to-transmission range sensor roll pin. See Figure 1.

- When installing the new (revised) roll pin, insert tapered end first. Then drive the roll pin into the manual control lever shaft until 3 mm (0.11 in) of the roll pin remains out of the bottom of the shaft.



**FIGURE 1**

3. Install the transmission fluid pan. Please follow the Workshop Manual (WSM) procedures in Section 307-01B.

