

SECTION 307-01: Automatic Transaxle/Transmission — 6R80
DIAGNOSIS AND TESTING

2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Visual Inspection

A visual inspection identifies modifications or additions to the vehicle operating system that may affect diagnosis. Inspect the vehicle for non-Ford factory add-on devices such as:

- Electronic add-on items
- Vehicle modification

PCM or transmission function is affected if add on devices, wiring splices, abnormal tire size or axle ratio changes are made.

- If leaks are present; refer to [Leakage Inspection](#) in this section.
- Correct selector lever adjustments; refer to [Section 307-05](#).

Selector Lever Check

Check for misadjustment in the selector lever by matching the detents in the selector lever with those of the manual control lever in the transmission. Refer to [Section 307-05](#) for selector lever cable adjustment.

Hydraulic leakage at the manual control valve can cause delay in engagements and/or slipping while operating if the linkage is not correctly adjusted. Refer to [Section 307-05](#) for selector lever cable adjustment.

Check TSBs and On-Line Automotive Service Information System (OASIS)

Refer to all TSB and On-Line Automotive Service Information System (OASIS) messages that pertain to the transmission concern and follow the procedure as described.

Carry Out On-Board Diagnostic (OBD) Key ON Engine OFF (KOEO), Key ON Engine Running (KOER)

After a road test, with the engine and transmission warm and before disconnecting any connectors, use the scan tool and perform a self-test.

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