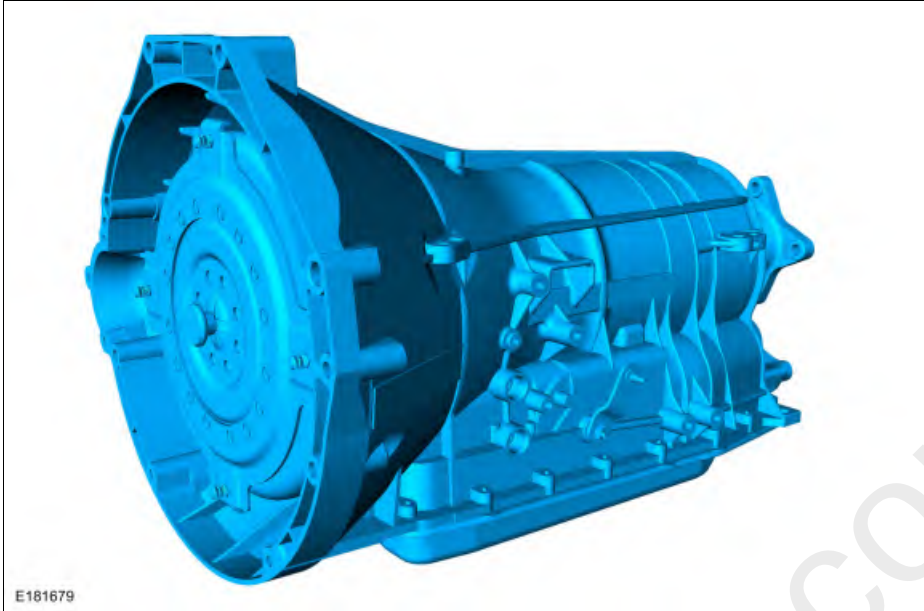


Transmission Description - Overview

Overview



This transmission uses planetary gears with hydraulic electronic controls .

This transmission has the following features:

- Six forward speeds
- Torque converter with an integral converter clutch
- Electronic shift and pressure controls
- Single planetary gear set
- Double planetary gear set
- Two fixed multi-disc clutches
- Three multi-plate clutches

All hydraulic functions are directed by electronic solenoids to control the following:

- Engagement feel
- Shift feel
- Shift scheduling
- Modulated TCC applications

This transmission has a main control unit which contains:

- TSS sensor
- OSS sensor
- An integral transmission range sensor
- TFT sensor

Engine power reaches the transmission by a torque converter with an integral clutch. The 6 forward gears and one reverse gear are obtained from 2 planetary gearsets.

Gear selection is achieved by the control of automatic transmission fluid flow to operate various internal clutches. The PCM operates the electrical components and provides for the control of gear selection shift pressure, which increases refinement and torque converter slip .

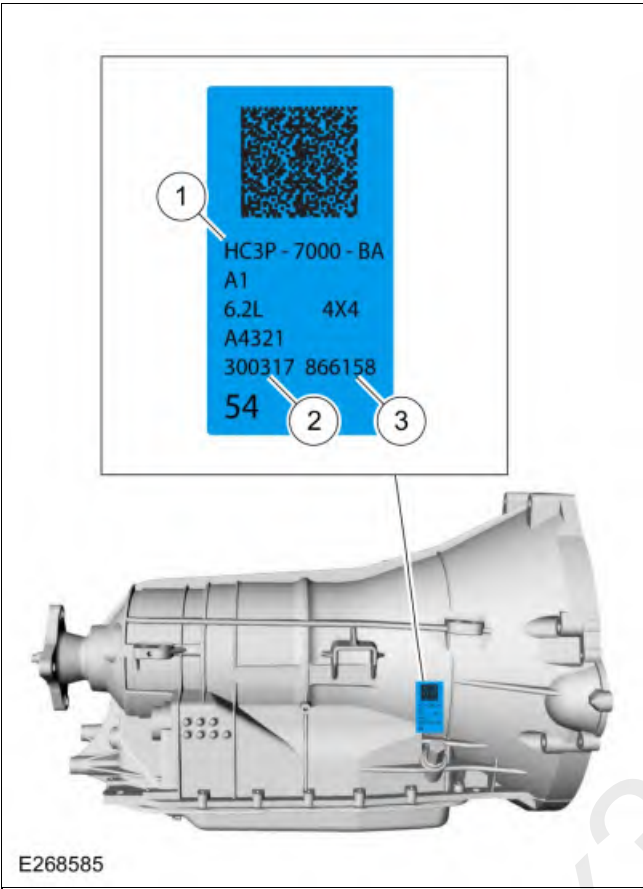
In the event of a system fault, the PCM also provides for Failure Mode Effect Management to maintain maximum functional operation of the transmission with a minimum reduction in driver, passenger or vehicle safety. In the event of a total loss of control or electrical power, the basic transmission functions P, R, N and D are retained. Also 3rd or 5th gear is retained by the hydraulic system. The gear retained is dependent upon the gear selected at the time of the failure.

This transmission has an internal thermal bypass valve contained within the case.

Identification Tags

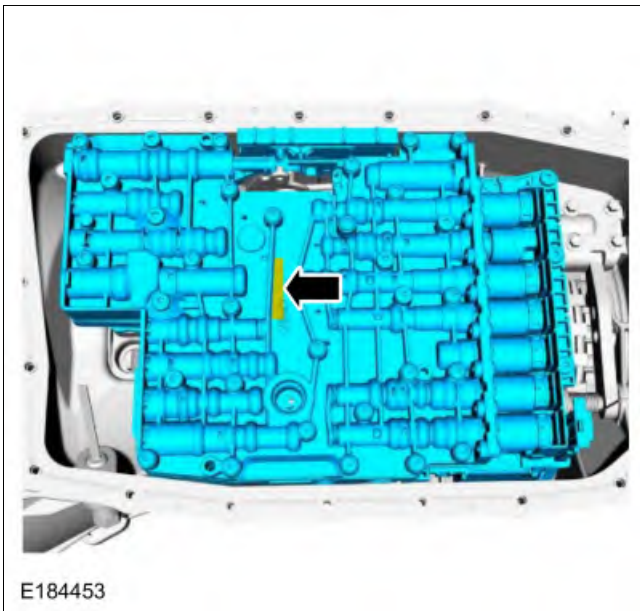
All vehicles come equipped with a Vehicle Certification Label. The location on the label marked TR is reserved for the transmission code. Refer to: Identification Codes (100-01 Identification Codes, Description and Operation).

. All transmissions are equipped with an identification tag located on the transmission case. For transmission part number, serial number and build date, see the transmission identification tag located on the transmission case.



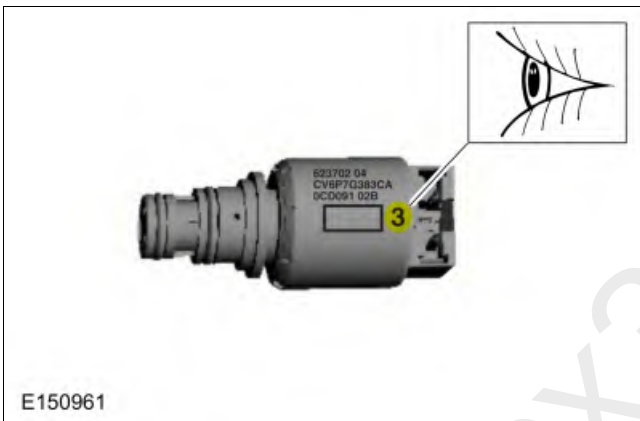
Item	Description
1	Part number
2	Build date
3	Serial number

Original Solenoid Body Tag



If the solenoid body strategy etched on the main control does not match what the scan tool displays, the solenoid body strategy must be downloaded into the PCM or harsh shifts will result.

Solenoid Band Number



The solenoids are calibrated from the factory and are not all the same. The solenoids can be replaced separately, but only with a replacement solenoid with a injector nozzle and band number that matches the solenoid being replaced. When solenoid(s) are replaced, the new solenoid band number must match the old solenoid band number. The band number is next to the two-dimensional matrix barcode on the side of the solenoid and will be a 1, 2, 3, 4 or 5.