

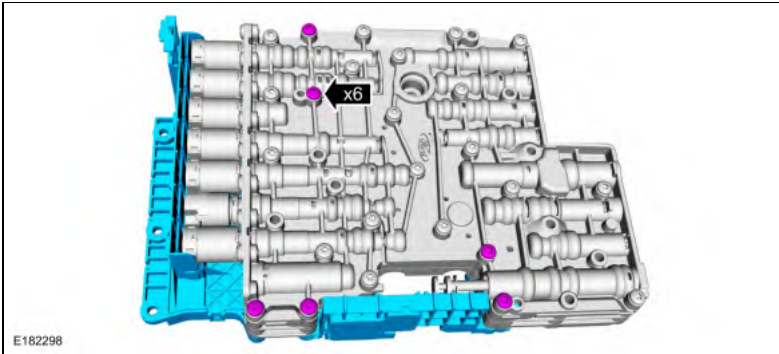
Shift Solenoids (SS)

Materials

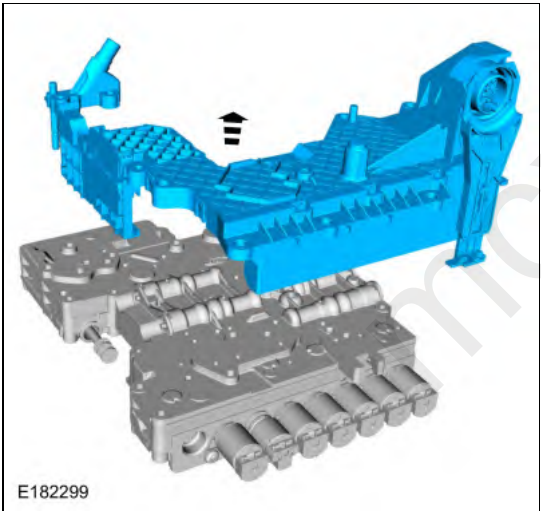
Name	Specification
Motorcraft® MERCON® LV Automatic Transmission Fluid XT-10-QLVC	WSS-M2C938-A MERCON® LV,

Removal

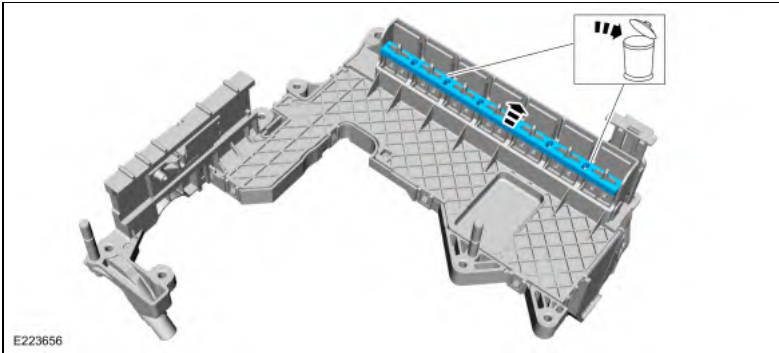
1. Remove the main control valve body.
- Refer to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission 6R100, Removal and Installation).
2. Remove the long bolts from the molded leadframe.



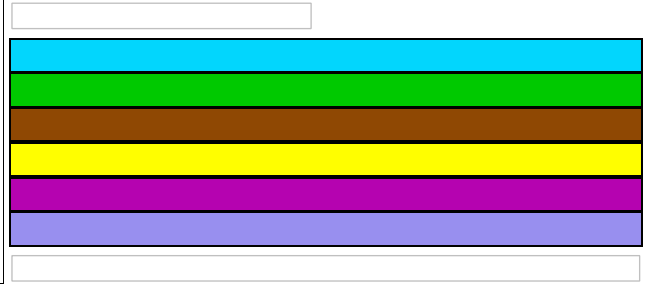
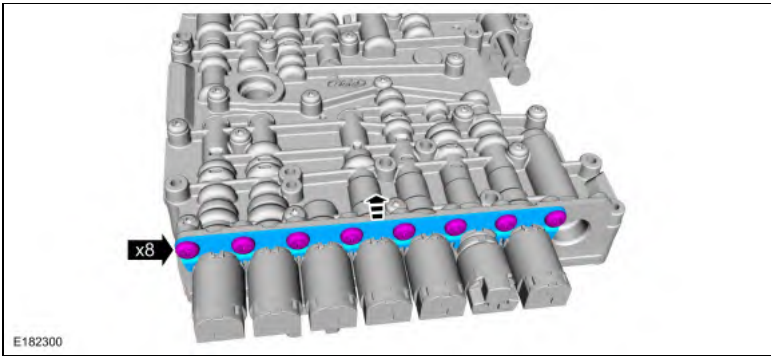
3. Carefully separate the molded leadframe from the main control valve body assembly.



4. If equipped, remove and discard the foam strip seal.

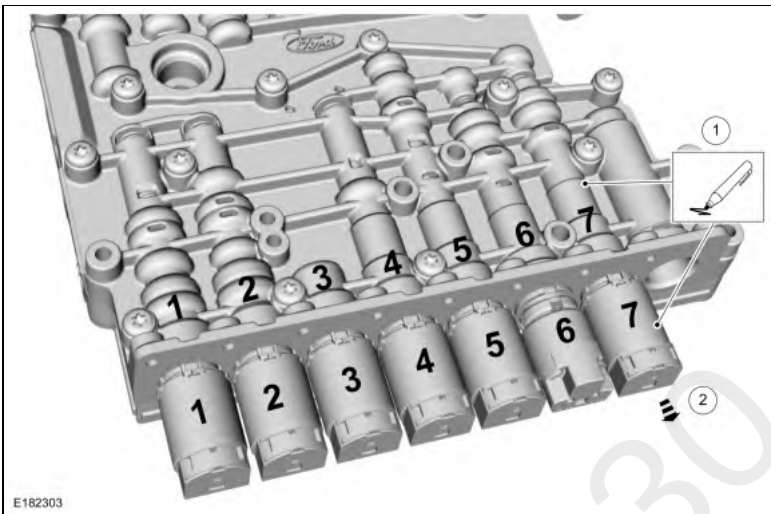


- Remove the solenoid bracket bolts and the solenoid bracket.



- NOTICE: A Variable Force Solenoid (VFS) is calibrated from the factory and are not all the same. To replace a Variable Force Solenoid (VFS), match the replacement solenoid nozzle color and the band number with the original solenoid or harsh/erratic shifts, harsh/soft engagement or damage to the transmission can occur.**

- If replacing more than one solenoid, number the solenoids and number the main control valve body solenoid ports to correspond to the solenoid.
- Pull the solenoid(s) out of the main control valve body.

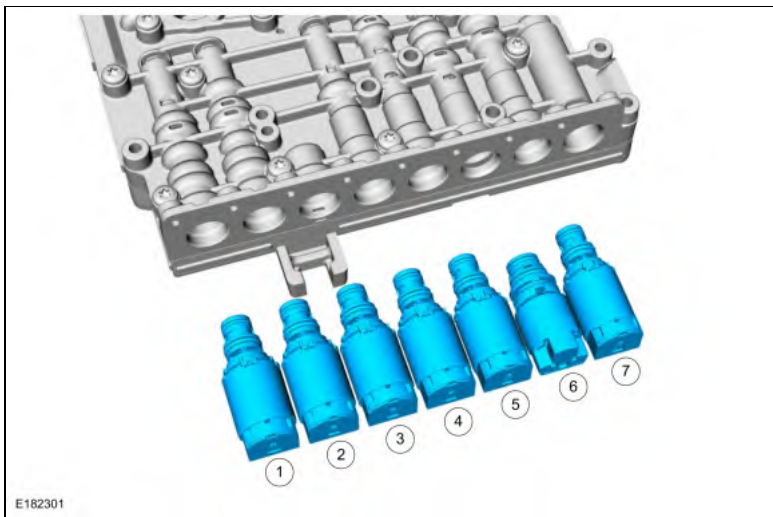


Installation

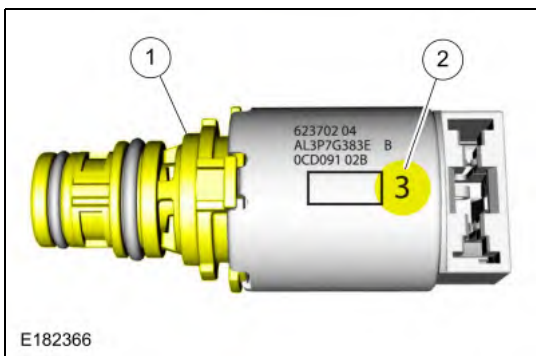
NOTICE: A Variable Force Solenoid (VFS) is calibrated from the factory and are not all the same. To replace a Variable Force Solenoid (VFS), match the replacement solenoid nozzle color and the band number with the original solenoid or harsh/erratic shifts, harsh/soft engagement or damage to the transmission can occur.

NOTE: Identify what type of solenoid is being replaced. The solenoid can be a normally high Variable Force Solenoid (VFS) with a black nozzle, normally low Variable Force Solenoid (VFS) with a brown nozzle or an ON/OFF solenoid.

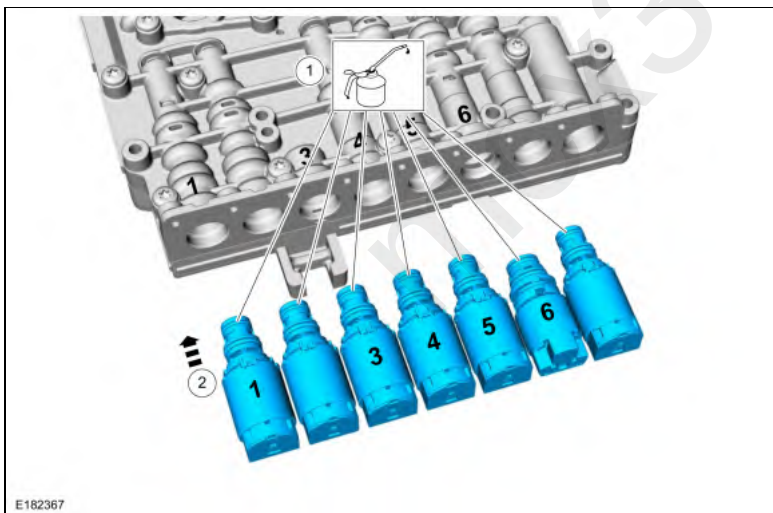
- 7G383, SSA, Forward (1,2,3,4) clutch, normally low solenoid (brown nozzle).
 - 7G383, SSB, Direct (3,5,R) clutch, normally high solenoid (black nozzle).
 - 7G383, SSC, Intermediate (2,6) clutch, normally low solenoid (brown nozzle).
 - 7G383, LPC solenoid, normally high solenoid (black nozzle).
 - 7G383, SSD, low/reverse/overdrive clutch, normally high solenoid (black nozzle).
 - 7G484, SSE, normally off ON/OFF solenoid.
 - 7G383, TCC solenoid, normally low solenoid (brown nozzle).



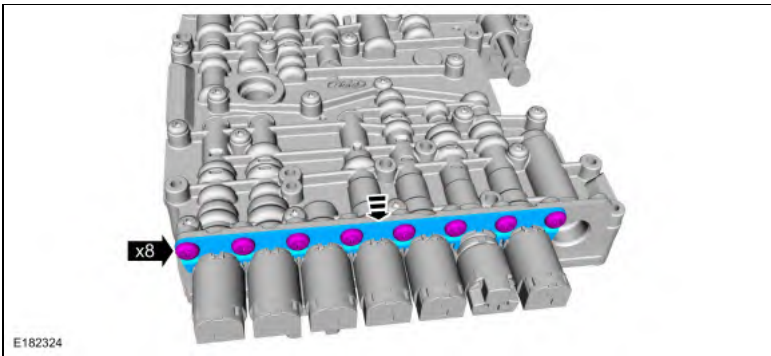
- 2.
1. If replacing a Variable Force Solenoid (VFS), record the solenoid nozzle color to get the correct part number for the solenoid.
 2. If replacing a Variable Force Solenoid (VFS), record the band number to get the correct part number for the solenoid.



3. Lubricate the solenoid O-rings and position the solenoid(s) in the main control valve body in the correct port(s) as marked during removal.
Material: Motorcraft® MERCON® LV Automatic Transmission Fluid / XT-10-QLVC (WSS-M2C938-A) (MERCON® LV,)

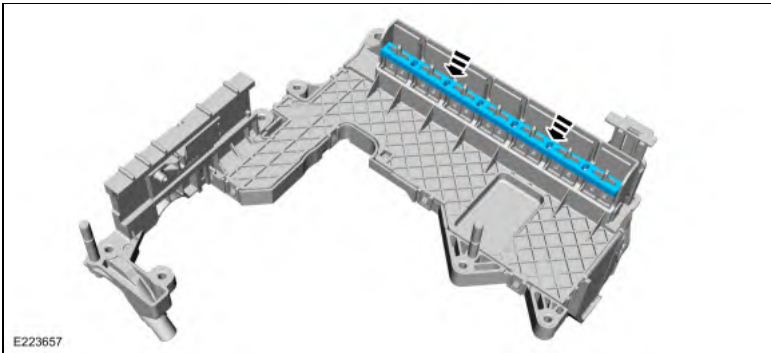


4. Position the solenoid bracket in place and install the bolts.
Torque: 53 lb.in (6 Nm)



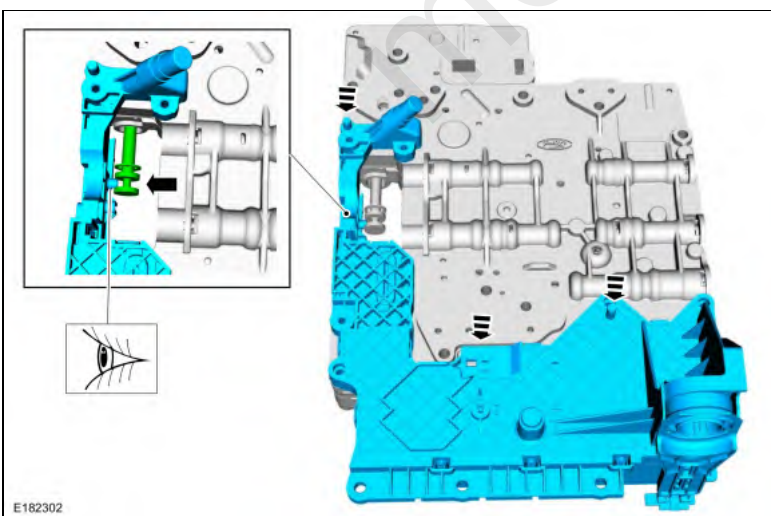
5. **NOTE:** Some vehicles may not have been built with a foam strip seal. A new foam strip seal should be installed on all molded leadframes.

Install a new foam strip seal on the molded leadframe.

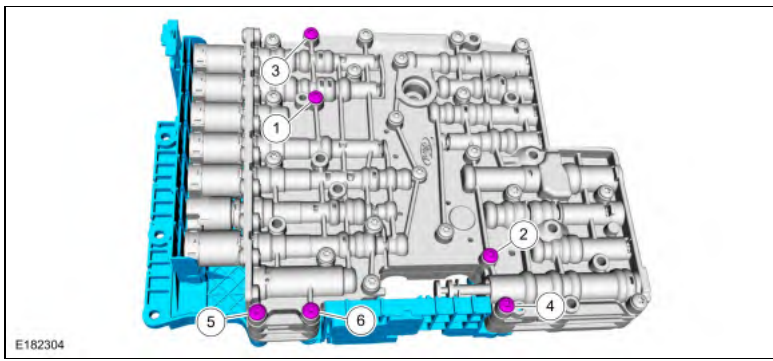


6. **NOTE:** The TR sensor pin must be aligned with the manual control valve during installation.

Position the molded leadframe on the main control valve body and align the TR sensor pin with the manual control valve.



7. Install the long bolts into the molded leadframe. Tighten the bolts in the sequence shown.
Torque: 53 lb.in (6 Nm)



8. Install the main control valve body.
Refer to: Main Control Valve Body (307-01A Automatic Transmission, Transfer Case and Power Transfer Unit - 6-Speed Automatic Transmission & 6R100, Removal and Installation).

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