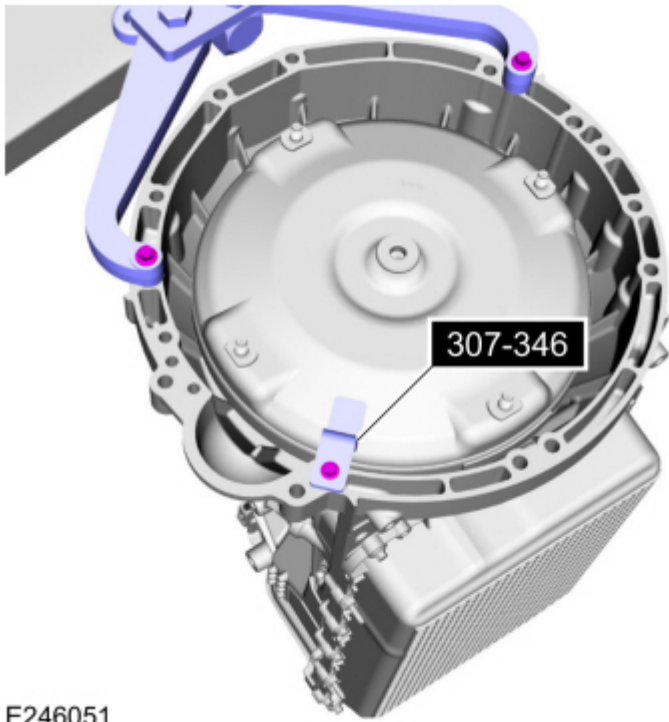


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## 1996 FORD Escort Cabrio OEM Service and Repair Workshop Manual

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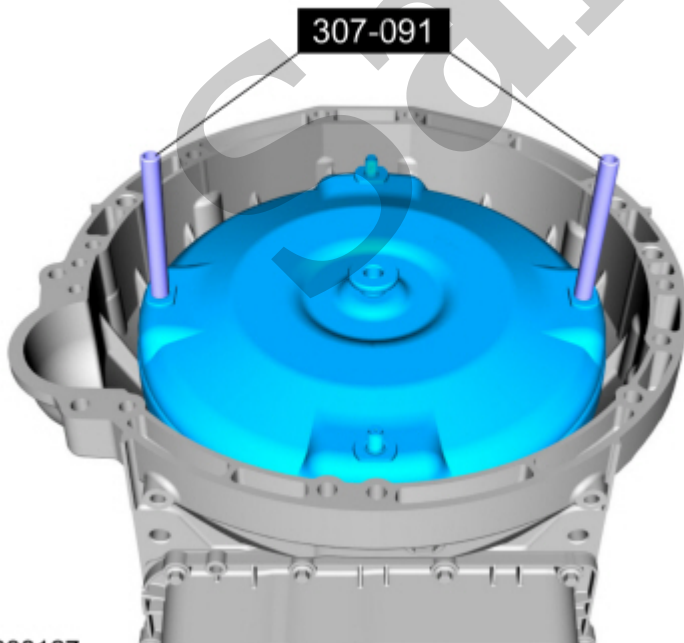


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5. Using the special tool, remove the torque converter.

**Use Special Service Tool** : 307-091 Handle, Torque Converter



E238127

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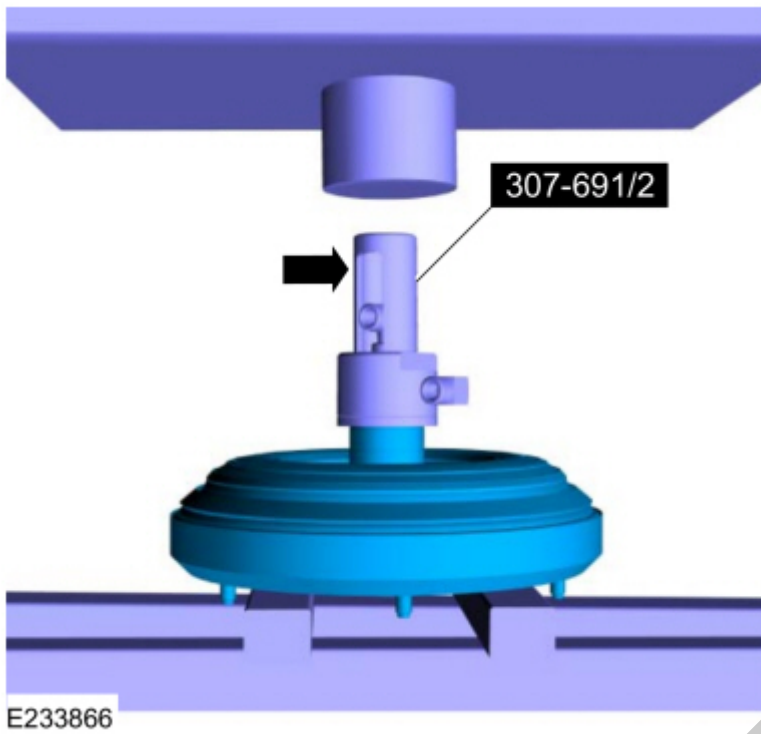
Use transmission fluid specified for this transmission. Do not use any supplemental transmission fluid additives or cleaning agents. The use of these products could cause internal transmission components to fail, which will affect the operation of the transmission.

The torque converter must be flushed every time the transmission is overhauled. It is mandatory that proper equipment and procedures be followed when flushing the torque converter. The flushing equipment used MUST:

- Maintain the transmission fluid at 140°F or above
- Pulsate the transmission fluid during cleaning
- Have a GPM flow meter
- Have a filter with a rating of 100 micron or less
- Have air purge capability before and after flushing

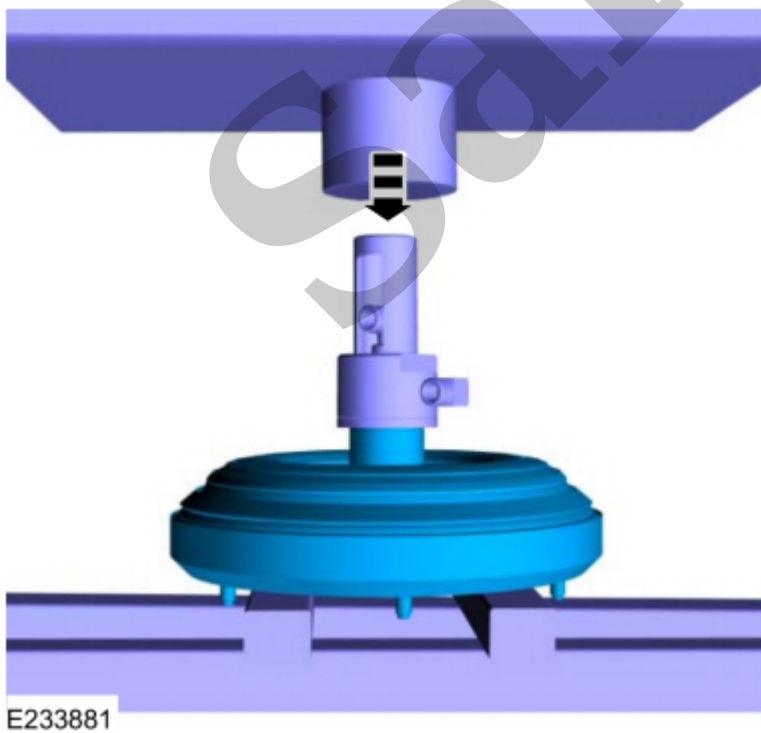
8. If equipment meeting the specifications above is not available, the torque converter must be flushed by hand. Go to Flush The Torque Converter By Hand steps later in this procedure.
9. Check and top off the transmission fluid level of the transmission cooling system heated flusher with transmission fluid.
10. Turn on the heater and allow the transmission fluid in the transmission cooling system heated flusher 15-30 minutes to heat up to 60°C (140°F) before using.
11. Place the torque converter in an arbor press. Support the torque converter on the mounting pads.

**Use Special Service Tool** : 307-691 Tester, Torque Converter Leak



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14. Apply enough force from the press to seal the torque converter flush main hub to the torque converter hub.



18. Monitor GPM flow meter periodically during the flush procedure. Flow rate above 2.0 gallons per minute is required to break up and dislodge any contamination trapped behind the TCC (torque converter clutch) plate. Service flush machine filter(s) if flow rate drops below 2 GPM.
19. Follow the equipment instructions to purge the torque converter.

20. **WARNING**

The torque converter, adaptor 307-732, and the hoses will be hot.

Allow torque converter and equipment to cool for 30 minutes before handling.

21. Disconnect the hoses and remove the special tools.

### Flush The Torque Converter By Hand

**NOTICE**

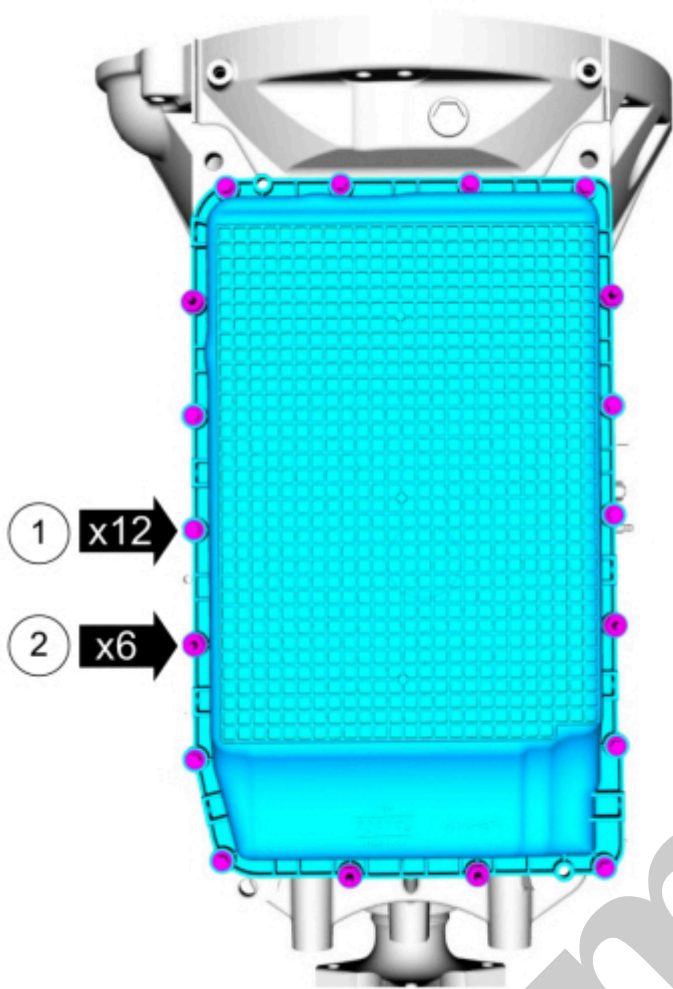
Do not use water-based cleaners or mineral spirits to clean or flush the torque converter or transmission damage will occur. Use only clean transmission fluid designated for the transmission and torque converter being serviced.

**NOTE**

Only flush the torque converter by hand when the transmission cooling system heated flusher is not available.

22. Pour a small amount of transmission fluid from the torque converter onto an absorbent white tissue or through a paper filter.
23. Examine the transmission fluid for contaminants. The transmission fluid must be free of metallic contaminants. If metallic contaminants are present, do not continue with hand flushing. The torque converter must be flushed with the transmission cooling system heated flusher.
24. Drain the remaining transmission fluid from the torque converter.
25. Using only the recommended transmission fluid, add 1.9L (2 qt) of clean transmission fluid into the converter and agitate by hand.

**Material** : Motorcraft® MERCON® ULV Automatic Transmission Fluid / XT-12-QULV (WSS-M2C949-A, ) (MERCON® ULV)



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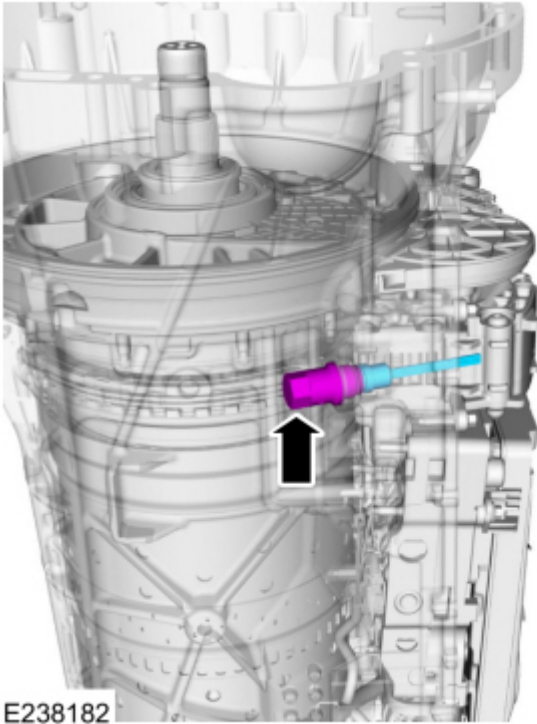
28. **NOTE**

The transmission fluid pan gasket can be reused if not damaged.

**NOTE**

Note the location of the alignment tabs.

Remove the transmission fluid pan gasket.

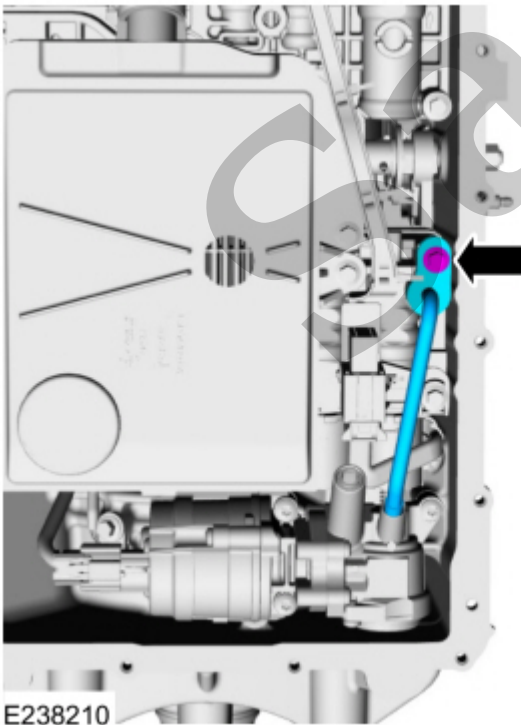


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#### **Auto-Start-Stop vehicles**

30. Remove the bolt and the transmission fluid auxiliary pump tube.



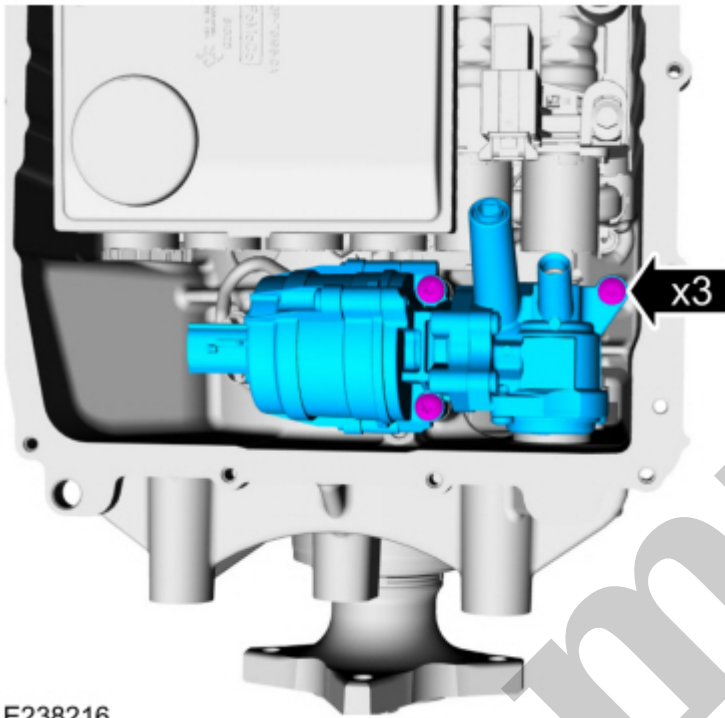
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33. **NOTE**

If the transmission fluid was contaminated from a catastrophic failure, replace the transmission fluid auxiliary pump.

Remove the bolts and the transmission fluid auxiliary pump.



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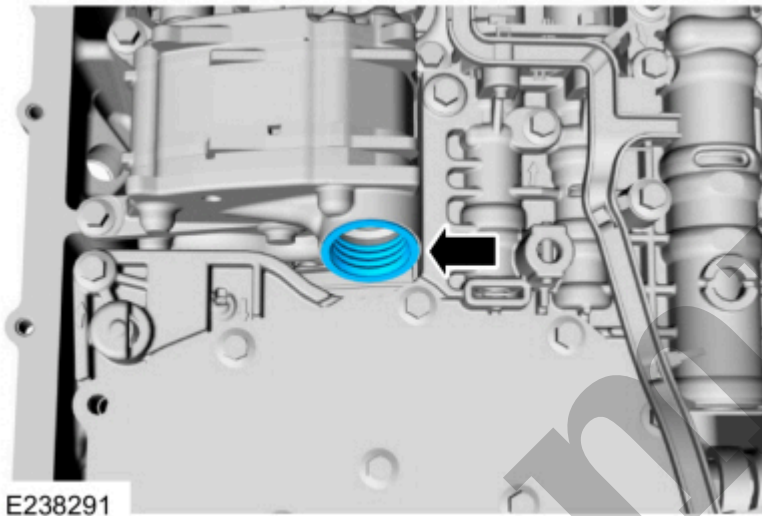
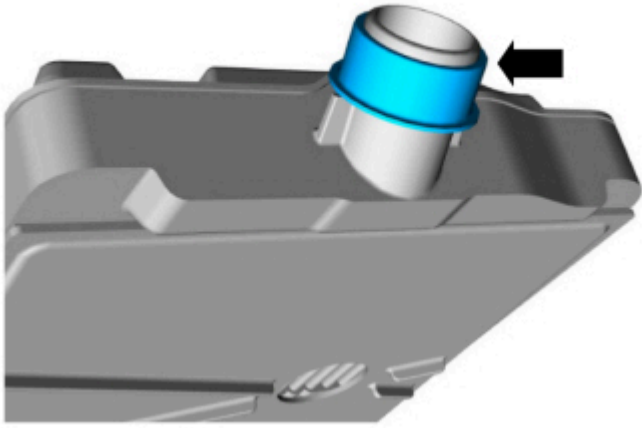
**All vehicles**

34. **NOTE**

The transmission fluid filter may be reused if no excessive contamination is indicated.

Remove the 71 mm and 20 mm bolts and the transmission fluid filter.

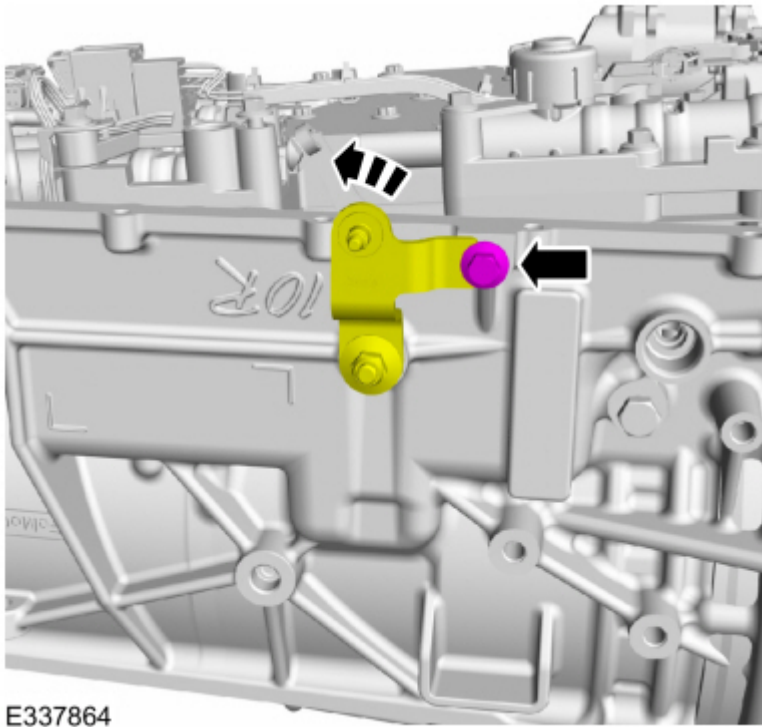




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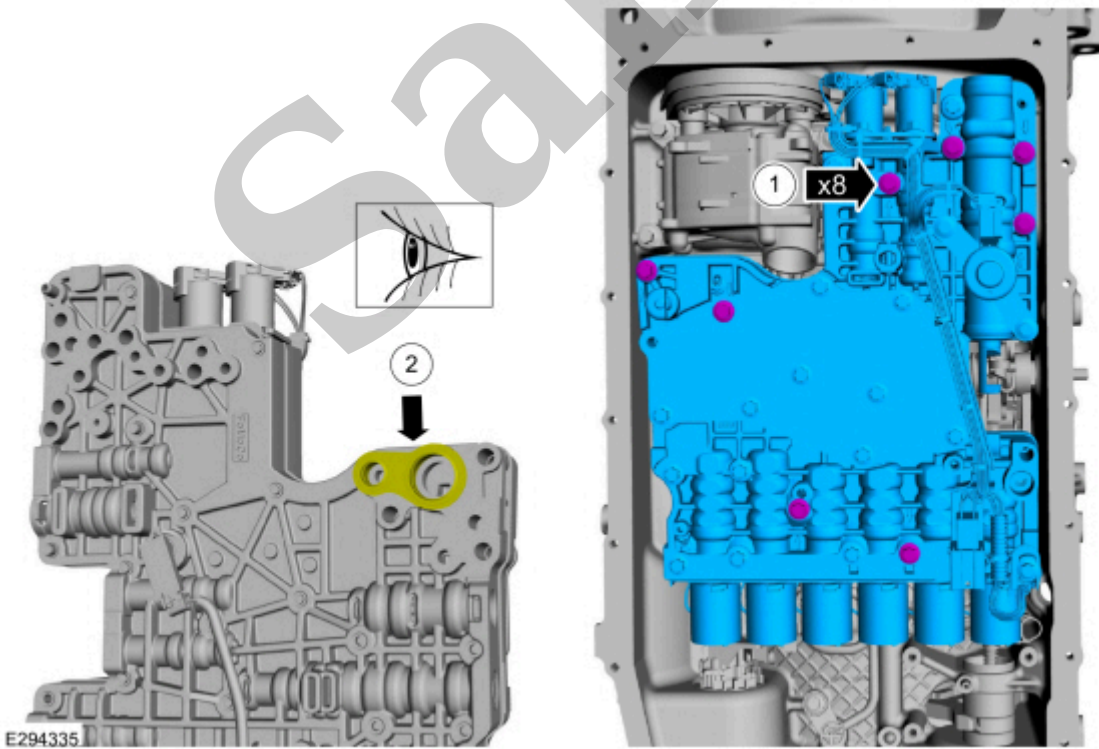
36. Disconnect the main control main electrical connector.



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38.
  1. Remove the 68 mm bolts and the main control assembly.
  2. Check to see if the main control-to-transmission fluid pump seal is attached to the main control.



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