



# Technical Service Information

## **FORD AODE/4R70W LINE PRESSURE INSTABILITY**

**COMPLAINT:** Line pressure instability created by lack of EPC Solenoid function and can create a variety of different concerns including soft shifts, soft engagements and repeated transmission clutch and band failures.

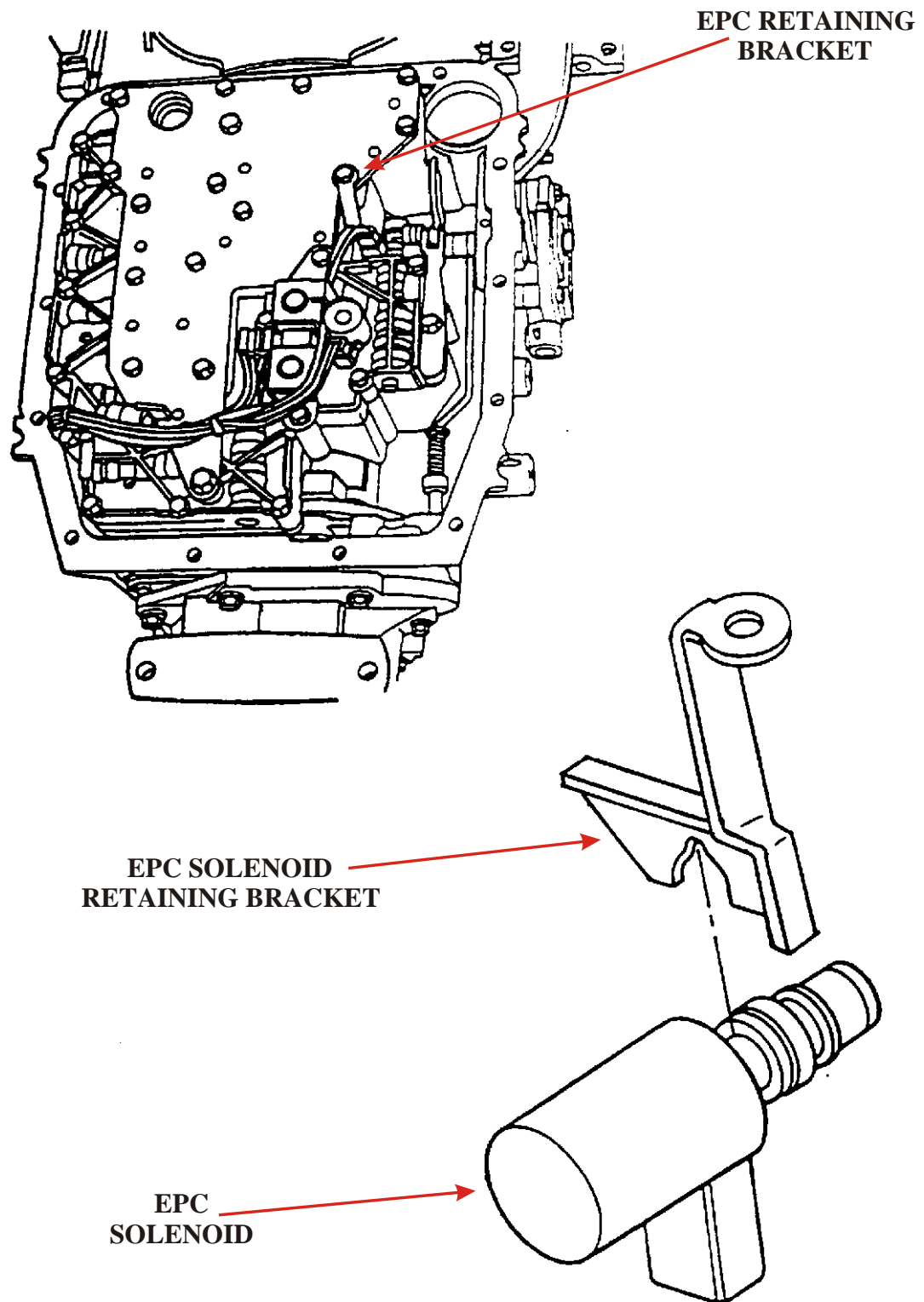
- CAUSE:**
- (1) Solvent or other cleaning solutions, which are used to clean the transmission case are being used while the EPC Solenoid is still mounted in the case. Contamination from the case is being washed into the case and EPC Solenoid assembly.
  - (2) The EPC Solenoid Retaining Bracket not installed back in the proper position to retain the EPC Solenoid into the case.
  - (3) Moisture or water contamination that has gathered in the vehicle wiring harness connector at the case connector on the passenger side of the vehicle.
  - (4) Defective and/or contaminated EPC Solenoid.

**CORRECTION:**

- (1) The EPC Solenoid **MUST** be removed from the transmission case assembly prior to cleaning and washing the case with solvent, or in any power cleaning machine. The manual shift lever must be removed from the case to remove the EPC Solenoid. If this is not done, replace the EPC Solenoid with a new one, OEM part number F2VY-7G383-A.
- (2) The EPC Solenoid Retaining Bracket must be installed with the "Fork" of the bracket securely over the body of the EPC Solenoid and the bracket secured with valve body bolt in the location shown in Figure 1. The EPC Solenoid may have to be repositioned slightly for "Fork" to engage in the proper position (See Figure 1).
- (3) **ALWAYS** blow the vehicle wiring harness connector from both sides with compressed air to remove any moisture that may have accumulated. Also use a small amount of electrical grease, OEM part number F2AZ-19584-A, on the connector cavities to prevent corrosion. **IT MUST BE A NON-CONDUCTIVE GREASE.**
- (4) Replace the EPC Solenoid with OEM part number F2VY-7G383-A, and insure retaining bracket is secured in proper position as shown in Figure 1. Manual shift linkage must be removed from case to replace the solenoid.

**SERVICE INFORMATION:**

EPC Solenoid (All Models) .....F2VY-7G383-A  
Electrical Grease (Non-Conductive) ..... F2AZ-19584-A



**Figure 1**