

2000 Ford Mustang V6-3.8L VIN 4

Vehicle > Technical Service Bulletins

EVAP - DTC'S P0442/P0455/MIL ON/NO DRIVEABILITY CONCERNS

Related Links

EVAP Running Loss System Monitor Procedure

SBDS Static Leak Test

EVAP Running Loss System Drive Cycle

1. Perform SBDS startup.
2. Select "Powertrain" from the Main Menu.
3. Enter the Vehicle Identification Number (VIN) and then press "Continue."
4. Select "Electronic Engine Control" under Categories and "DCL Display" under Tools, then press "Continue."
5. If applicable, select the appropriate vehicle qualifier and then press "Continue."
6. Follow the instructions on the connection screen, make sure vehicle is in Park or Neutral, chock the tires, start vehicle, and press "Continue."
7. Select "Table."
8. Select EVM (units of mode and %), ECV (units of mode), FTP (units of volts), AC (units of %), RPM, and then press "Continue."

NOTE

IF ALL OF THE PARAMETERS FOR STEP 8 ARE NOT AVAILABLE USING THE LATEST SBDS CD-ROM RELEASE, RETURN TO THE MAIN MENU AND USE THE FOLLOWING VIN FOR EVAP TESTING ONLY: XXXXM91V6VXXXXXXX.

9. Use the pendant on the Portable Vehicle Analyzer (PVA) to select the ECV (on/off) using the " # " button and then press "Yes." The ECV should now have an "=" sign next to it. Pressing the "Yes" button turns the ECV on and off. Turn the ECV on (shuts off venting of system).
10. Repeat the procedure in Step 9 to turn the EVM on (opens system to engine vacuum). The FTP voltage should drop to 0.8 volts or less (voltage should be attained in approximately 1 minute). If the FTP voltage does not reach 0.8 volts or less, then a large leak has been detected (follow the latest PC/ED Service Manual diagnostics contained on SBDS or SBTS).

NOTE

IF THE VEHICLE STALLS, IT WILL ALSO BE NECESSARY TO RAISE THE ENGINE SPEED TO 1500 RPM. THIS CAN BE ACCOMPLISHED BY USING THE PENDANT ON THE PVA TO INCREASE THE IAC (%) TO RAISE THE RPM.

11. Use the pendant on the PVA to turn the EVM off (holds system pressure constant), FTP voltage should stabilize within 20-30 seconds and then hold at a constant voltage. If the FTP voltage changes more than 0.4 volts in 1 minute, then a small leak has been detected (follow the latest PC/ED Service Manual diagnostics contained on

SBDS or SBTS).

NOTE

COMMANDING THE ECV ON FOR MORE THAN 5 MINUTES MAY CAUSE DAMAGE TO THE CANISTER VENT SOLENOID.