

# Ford Pressure Feedback EGR (PFE)

**Meets NATEF Task:** (A8-E-4) Diagnose emissions and driveability problems caused by malfunctions in the EGR system; determine necessary action. (P-1)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

Exhaust back pressure is used to control the amount of exhaust gas recirculation (EGR). The EGR valve is normally closed at both idle and wide open throttle (WOT). The EGR vacuum regulator (EVR) solenoid is pulsed on and off to give the ideal amount of EGR flow for a given back pressure.

| Back Pressure | Voltage |
|---------------|---------|
| 0 psi         | 3.25    |
| 0.5 psi       | 3.66    |
| 0.75 psi      | 3.78    |
| 1.0 psi       | 4.08    |
| 1.25 psi      | 4.28    |
| 1.50 psi      | 4.50    |
| 1.80 psi      | 4.75    |

\_\_\_\_\_ 1. Check service information for the specified procedures for testing the Ford pressure feedback EGR.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ 2. Voltage at idle = \_\_\_\_\_ volts (should be 3.25 V)

OK \_\_\_\_\_ NOT OK \_\_\_\_\_

\_\_\_\_\_ 3. Voltage at steady speed (50 mph) = \_\_\_\_\_ volts (should be 3.4 to 3.8 V).

OK \_\_\_\_\_ NOT OK \_\_\_\_\_

\_\_\_\_\_ 4. Based on the test results, what is the necessary action?

