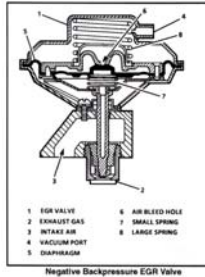


EGR Worksheet

Name _____

Date _____



Vehicle Year _____ Make _____

Model _____ Engine # cylinders _____ Displacement _____

Fuel system type (TBI, PFI, etc.) _____

Ignition System (distributor or distributorless) _____

DTC's (if any) and descriptions: _____

1) Start and warm engine. Locate EGR valve. With engine idling, manually open valve by placing fingers beneath valve and pulling upwards toward top of valve. What effect did this have to the engine? _____
If there was no difference when the EGR diaphragm was pushed, what is the problem? _____

2) Disconnect the vacuum hose to the EGR valve. Connect a vacuum pump to the valve and apply vacuum while engine is idling. The engine should stumble/ stall. Does it? _____
If not, what is the problem? _____

3) Did the EGR valve hold vacuum when performing #2? _____. If not, either the diaphragm is leaking or a backpressure EGR valve is being used. Which one applies to your situation? _____

4) Connect a vacuum "T" in the vacuum hose to the EGR valve. Attach a vacuum gauge to the T. Record vacuum during : Engine idle (park) _____. Engine at 2000 RPM (park): _____. Now go for test drive and record the following vacuum readings: Vehicle in gear cruising at 30 mph _____. Vehicle accelerating from stop to 30 MPH _____. When was the most vacuum? _____. The least? _____
Why? _____
Is the EGR system working correctly? _____

5) Based on the results, does this EGR system use exhaust feedback pressure? _____
Why or why not? _____

6) Does the EGR system on this vehicle check out okay? _____. If not, what is the problem(s)? _____
If the problem isn't fixed, will this vehicle pass a smog test? _____. If not, what exhaust gas reading will be too high? _____. Why? _____