Vacuum Testing
Meets NATEF Task: (A8-A-5) Perform engine absolute (vacuum/boost) manifold pressure tests; determine necessary action. (P-1)

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2
1. Connect the vacuum gauge	e to a manifold vacuur	m source (source of vacuum at idle).
2. Vacuum at idle = in	n. Hg. (should be 17-2	21 in. Hg. and steady).
3. Drive the vehicle on a leve	el road in high gear at	a steady speed.
Cruise vacuum =	in. Hg. (should be	e 10 - 15 in. Hg.)
4. Accelerate the vehicle in h	nigh gear to W.O.T.	
W.O.T. vacuum =	in. Hg. (should b	pe almost zero)
5. Decelerate the vehicle from	n 50 MPH with the th	rottle closed.
Deceleration vacuum	= in. Hg. (sho	ould be higher than idle vacuum)
		applied, raise the engine speed to ests for an exhaust restriction.
Results =	in. Hg.	
7. Stop the engine. Disable to during cranking.	the ignition. Crank the	e engine and observe the vacuum
Cranking vacuum = _	in. Hg. (show	uld be higher than 2.5 in. Hg.)
OKNOT (OK	
8. Based on the vacuum test	results, what is the nec	cessary action?