

Vacuum Testing
Meets NATEF Task: (A1-A-8, A8-A-8) Perform engine vacuum tests; determine necessary action (P-1)

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2
1. Connect the vacuum g	auge to a manifold vacuum	source (source of vacuum at idle).
<b>2.</b> Vacuum at idle =	in. Hg. (should be 17-21	in. Hg. and steady).
<b>3.</b> Drive the vehicle on a	level road in high gear at a s	steady speed.
Cruise vacuum =	in. Hg. (should be 1	0 - 15 in. Hg.)
4. Accelerate the vehicle	in high gear to W.O.T.	
W.O.T. vacuum =	in. Hg. (should be	almost zero)
5. Decelerate the vehicle	from 50 MPH with the throt	ttle closed.
Deceleration vacu	um =in. Hg. (shoul	d be higher than idle vacuum)
	gear and the brake firmly ap for one full minute. This test	oplied, raise the engine speed to ss for an exhaust restriction.
Results =	in. Hg.	
7. Stop the engine. Disal during cranking.	ble the ignition. Crank the e	ngine and observe the vacuum
Cranking vacuum	= in. Hg. (should	d be higher than 2.5 in. Hg.)
OKNO	OT OK	
8. Based on the vacuum t	test results, what is the neces	ssary action?