## **Vacuum Testing**

**Meets NATEF Task:** (A8-A-5) P-1 Perform engine vacuum tests; determine needed Action.

Name	Date		Time on Task				_
Make/Model/Year	VIN	E	valuation:	4	3	2	1
1. Connect the vacuum gauge	to a manifold v	acuum source (sou	arce of vacu	ıum	at i	dle).	-
2. Vacuum at idle = in.	Hg. (should be	e 17-21 in. Hg. and	d steady).				
3. Drive the vehicle on a level	road in high ge	ar at a steady spec	ed.				
Cruise vacuum =	_ in. Hg. (show	ıld be 10 - 15 in. l	Hg.)				
4. Accelerate the vehicle in high	gh gear to W.O.	Γ.					
W.O.T. vacuum =	_ in. Hg. (sho	uld be almost zero	))				
5. Decelerate the vehicle from	50 MPH with t	he throttle closed.					
Deceleration vacuum =	in. Hg.	(should be higher	r than idle	vacu	ıum	)	
<b>6.</b> With the engine operating a applied, raise the engine spe for an exhaust restriction.							-
Results =	in. Hg.						
7. Stop the engine. Disable th during cranking.	e ignition. Crai	nk the engine and	observe the	vac	uun	n	
Cranking vacuum =	in. Hg.	(should be higher	than 2.5 in	. Не	g.)		
OK NOT O	K						
<b>8.</b> Based on the vacuum test re	esults, what is th	ne needed action?					