

Power Balance – Manual Method

Meets NATEF Task: (A8-A-6) Perform cylinder balance test; determine necessary action.

(P-1)

Name	Date	Time on Task
Make/Model/Year	VIN	Evaluation: 4 3 2 1
1. Check service i performing a p	information for the recommended power balance test without the use	method and procedures to follow for of a scan tool.
2. One method us spark plug wir	ses a 2" long vacuum hose betwee es.	on the distributor cap (or coils) and the
3. Connect the tac	chometer to the engine and record	idle RPM =
4. Using a test lig test light to the	ht, ground out one cylinder at a tir section of rubber hose, and record	me by touching the tip of the grounded d the RPM drop:
#1	#5	C C C C C C C C C C C C C C C C C C C
#2	#6	
#3	#7	
#4	#8	
NOTE : 50 RPM the most RPM is <i>weakest</i> cylinder.	is the maximum variation between the <i>strongest</i> cylinder. The cylind	n cylinders. The cylinder that drops ler that drops RPM the least is the
5. Results:		
RPM diffe	erence between the strongest and v	weakest cylinder
Which cyl	inder is the strongest?	

Which cylinder is the weakest? _____.

6. Based on the test results, what is the necessary action?