## **Charging Circuit Voltage Drop**

**Meets ASE Task:** (A6-D-2) P-2 Perform charging circuit voltage drop tests; determine needed action.

Name	Date	Time on Task			_
Make/Model/Year	VIN	Evaluation: 4	1 3	2	1
1. Check service inform the charging circuit.	nation for specified procedu	ares and voltage drop speci	fication	ons	of
	of a digital multimeter set the positive (+) terminal of	to read DC volts to the alt the battery.	ernato	or	
3. Start the engine and r	run to 2,000 RPM (fast idle	<del>)</del> ).			
4. Turn on the headlight	es to force the alternator to	charge the battery.			
5. The voltage drop read	ding should not exceed 0.4	0 volt.			
OK NOT  OK NOT  6. To test if the generated continue operating the idle with the lights or leads to the case of the negative (-) terminal	or is properly grounded, e engine at a fast n, connect the meter alternator and the of the battery. A an 0.20 volt indicates a	e alternator and the positive	e (+)	ENCHLOS TYPE	CHARGING
		e of the alternator (between egative (-) terminal of the b			
OK NOT	TOK				
7. Based on the test resu	alts, what is the needed act	ion?			