Charging Circuit Voltage Drop

Meets ASE Task: (A6-D-5) Perform charging circuit voltage drop tests; determine needed action (P-1)

Name	Date	Time on Task			_	
Make/Model/Year	VIN	Evaluation:	4	3	2	1
1. Check service informathe charging circuit.	ation for specified procedure	s and voltage drop spec	cific	atic	ns (of
	of a digital multimeter set to minal and the positive (+) ter	_	genei	rato	r	
3. Start the engine and ru	un to 2,000 RPM (fast idle).					
4. Turn on the headlights	s to force the generator to cha	arge the battery.				
5. The voltage drop read	ling should not exceed 0.40 v	olt.				
(between	ge drop of the <i>insulated</i> (power the output terminal of the good of the battery).				it	
of greater than 0.20 vo poor generator ground = the volta of the ge housing	r is properly grounded, e engine at a fast , connect the meter e generator and the of the battery. A reading olt indicates a	TYPICAL MAXIMUM RI 0.4 V ALTERNATOR VOLTAGE DROP – INSULA TYPICAL MAXIMUM READING 0.2 V VOLTAGE DROP – GROUND AND AND AND AND AND AND AND AND AND A	M TED CHA	/=	HEAD BRIG	BATTE
OK NOT	OK					
7. Based on the test resu	lts, what is the needed action	?				