



## **Starter Relays and Solenoids**

Meets ASE Task: A6 – C-3 – P-2

Name:		Date:	Time on Task:	
Make/Model/Year:		VIN	VIN:	
Evaluation (Er	nter number from 4, 3, 2, 1) :_	<u>-</u>		
1.	Clean and visually inspect the	e starter solenoid and/or re	ay for physical damage.	
	OK NOT O	K		
2.	Set a digital multimeter (DMM) to read ohms (low scale) and check the hold-in coil and the pull in coil.			
	Pull-in coil. Measure between terminals "S" and "M":			
	resistance =(	should be 0.2 to 0.4 ohm) O	K NOT OK	
	Hold-in coil. Measure	e between terminals "S" and	d the solenoid housing:	
	resistance =	(should be 0.4 to 0.6 ohm)	OK NOT OK	
3.	Test the pull-in winding by applying 12 volts to terminal "S" and ground to terminal "M." Check that the plunger will be drawn into the solenoid.			
	OK NOT O	K		
4.	. Check the hold-in winding by connecting 12 volts to terminal "S" and the other wire to ground. The plunger should be drawn into the solenoid housing.			
	OK NOT O	K		
5. Measure coil resistance of the relay (terminals 86 and 85).			5).	
	Resistance = ohms (s	should be 60 to 100 ohms) C	K NOT OK	
<u> </u>	What is the needed action?			
	START	H IGNITIO	NOT USED N (87 A)	



