

Starter Relays and Solenoids

Meets NATEF Task: (A6-C-3 and A6-C-5) Inspect and test starter relays, solenoids, connections, and wires; determine necessary action. (P-2)

Name	Date	Time on Task	-
Make/Model/Year	VIN	Evaluation: 4 3 2	1
1. Clean and visually insp	pect the starter solenoid and	or relay for physical damage.	
OK NO	OT OK		
2. Set a digital multimete	er (DMM) to read ohms (low	v scale) and check the hold-in coil	
and the pull-in coil.			
	sure between terminals "S" (should be 0.2 to 0.4 ohm	and "M": a) OK NOT OK	
	asure between terminals "S" (should be 0.4 to 0.6 oh	and the solenoid housing: m) OK N OT OK	
		rminal "S" and ground to terminal	
M. Check that the p	lunger will be drawn into th	le solenoid.	
OK	NOT OK	START SWITCH	
to terminal "S" and the	ding by connecting 12 volts e other wire to ground. The wn into the solenoid housing	ŧ	NEUTR SAFET SWITC
ОК	NOT OK	S S	ر ا
5. Measure coil resistance 85).	e of the relay (terminals 86	and	
Resistance = (should be 60 to 1	ohms	IGNITION TERMINAL (86)	NOT US (87 A)
(should be 60 to 1	00 ohms)	(60)	/
ОК	NOT OK	BATTERY TERMINAL (30)	
6. What is the necessary a	action?		
		GROUND SOLENOII TERMINAI (87)	D L