

NATEF TASK SHEET --- SECTION A.6 B.1, C.1 (P-1)

SC8-2016: STARTER DRAW TEST

Is that starter any good?

Student: _____ Date: _____ Period _____

VIN: _____ Year: _____ Make: _____ Model: _____

Engine: _____ Transmission: _____ Production Date: _____

OBJECTIVE: Student will determine the condition of a starter motor and determine if replacement is necessary.

MATERIALS: 1. **EYE PROTECTION**

2. Hand tools
3. Volt-Ohm-Meter
4. Starting-Charging test equipment used _____
5. Vehicle with fully charged "GOOD" battery (see instructor).

PROCEDURES: WEAR EYE PROTECTION!

Watch power point SC8 and fill in this box.

Normal Starter Draws: 4 Cylinder ~ _____ Amps

6 Cylinder ~ _____ Amps

8 Cylinder ~ _____ Amps

Voltage should be at or above minimum specified above.

___ . ___ volts or higher – PASS ___ . ___ volts or lower - FAIL

Use fender cover, seat covers, and floor mats. Connect test equipment and crank/start engine according to test equipment directions.

TEST VEHICLE AND RECORD RESULTS:

Average **VOLTAGE** reading _____

STARTER TEST RESULTS: **PASS** _____ **FAIL** _____

WHY do we do this test? _____

Conclude what should be done if the vehicle fails this test: _____

(Does the starter need to be replaced?)

INSTRUCTORS EVALUATION

LEVEL OF SKILL ATTAINED	<i>Initial</i>	OVERALL SKILL EVALUATION	<i>Points</i>
DEMONSTRATES MASTERY (5)		DOCUMENTATION COMPLETENESS (1)	
PERFORMS SATISFACTORILY (4)		SAFETY COMPLIANCE (1)	
CAPABLE, NEEDS PRACTICE (3)		WORK PROFESSIONALISM (3)	
ASSISTED IN PERFORMING (2)		LEVEL OF SKILL ATTAINED (1-5)	
EXPOSURE, OBSERVATION (1)		TOTAL SCORE	
INSTRUCTOR'S SIGNATURE: _____			

SC8-2016 / 10-12-16 / vdb