


A6/U6/L2 STARTING SYSTEM

JOB SHEET A6C2/C3 Starter Control Circuit Test

Name: _____
Mentor: _____ VIN: _____ Date IN: _____
Make: _____ Model: _____ Year _____ Date OUT: _____
RO#: _____ Color: _____ Mileage: _____ Engine: _____

LEARNING OBJECTIVE/NATEF TASK

 ICS 160	<ul style="list-style-type: none">• Perform starter circuit voltage drop tests; determine necessary action. (NATEF TASK A6/C2, P1).• Inspect and test starter relays and solenoids; determine necessary action. (NATEF TASK A6/C3, P2).
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MATERIALS

Classroom Vehicle (s), OEM service information, Fender Covers, Digital Multimeter (DMM), jumper wires

PROCEDURE

- **Wear Safety Glasses for this entire procedure.**
- **Review page 33 of Lesson 2 in UNIT 6 of the A6 Course.** Locate in the OEM service information the procedure for the starter circuit voltage drop tests and the starting circuit wiring diagram for vehicle you are using. Submit this procedure and diagram to your instructor or mentor for approval.



Your instructor MUST stamp the box to the left before you can proceed with this job sheet.

1. Disable the ignition system to prevent the vehicle from starting. On this type of ignition system how did you prevent the engine from starting?

2. For the first step of the test, where should you connect the DMM leads?

5. Measure the voltage drop at this point and record it here: _____
6. Is this voltage drop reading OK? _____

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7. Continue checking the voltage drop across the different parts of the starter control circuit based on your analysis of the wiring diagram. As you check these components, list them in the table below and note the voltage drop. Also check if they are **OK or NG (NO GOOD)**.

COMPONENT NAME	VOLTAGE	OK	NG

TASK SUMMARY

- After performing the above NATEF tasks, what can you determine will be helpful in knowing how to complete the tasks in this Job Sheet. List a **COMPLAINT, CAUSE, and CORRECTION** that would require you to perform starting system control circuit tests during the diagnosis of a customer complaint in this Job Sheet. Also do a bulletin search and vehicle history.

COMPLAINT

Bulletin Search

Vehicle History

CAUSE

CORRECTION

Verified By



- 1 = Demonstrated exposure/observation of the competency
- 2 = Applies the competency but only mastered a few essential attributes of the competency
- 3 = Capable of the competency but needs further practice
- 4 = Performs the competency satisfactorily
- 5 = MASTERED the competency

Use this Rubric to RATE the completion of Job Sheet