

A6/U6/L2 STARTING SYSTEM

JOB SHEET A6C2/C3 Starter Control Circuit Test

Name: _____ Start Date: _____
End Date: _____
Make: _____ Model: _____ Year: _____
VIN: _____ Mileage: _____

LEARNING OBJECTIVE/NATEF TASK



- Perform starter circuit voltage drop tests; determine necessary action. **NATEF TASK A6/C2, P1. ICS160**
- Inspect and test starter relays and solenoids; determine necessary action. **NATEF TASK A6/C3, P2. ICS160**

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 or initial the box to the right 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

- Now that you have completed this NATEF task, can you think of anything (tools, information, knowledge etc.) that would have made this task easier.

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- List a customer complaint together with the cause determined by this diagnostic/inspection task that might appear on a work order, and then list the NATEF Task CORRECTION you would use to resolve the complaint.

COMPLAINT: _____

1. Perform Checks/Inspect: _____

2. Referencing Bulletin: _____

CAUSE: _____

1. Diagnosis: **USED THIS NATEF DIAGNOSIS TASK**

2. Operating as designed: _____

3. Cause identified as: _____

CORRECTION: _____

1. Other Correction: _____

2. Correction Verified By: _____

Use this Rubric to RATE the completion of Job Sheet

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



Instructor _____ **Mentor** _____