

## JOB SHEET A6D5 Charging System Voltage Drops

Name: \_\_\_\_\_ Start Date: \_\_\_\_\_  
End Date: \_\_\_\_\_  
Make: \_\_\_\_\_ Model: \_\_\_\_\_ Year: \_\_\_\_\_  
VIN: \_\_\_\_\_ Mileage: \_\_\_\_\_

### LEARNING OBJECTIVE/NATEF TASK



- Perform charging circuit voltage drop tests; determine necessary action. **NATEF TASK A6/D5, P1. ICS160**

### MATERIALS

Classroom Vehicle (s), OEM service information, Digital Multimeter (DMM)

### PROCEDURE

- Wear Safety Glasses for this entire procedure.
- Review page 29 of Lesson 2 in UNIT 5 of the A6 Course. Locate in the OEM service information the procedure for the charging system ground circuit resistance test for vehicle you are using. Submit this procedure 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. What mode of the DMM should be used when performing the ground resistance test? \_\_\_\_\_
2. Where should the DMM probes be placed during the test? \_\_\_\_\_
3. What is the maximum allowable voltage when performing the ground resistance test? \_\_\_\_\_
4. Following all classroom safety steps, perform the ground resistance test on this vehicle. What are your results?  
\_\_\_\_\_  
\_\_\_\_\_

## A6/U5/L2 CHARGING SYSTEM DIAGNOSIS & SERVICE

5. If your test was out of specifications, check the vehicle for possible problems that could cause this. Note any problems that might be the cause here:

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### 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** \_\_\_\_\_