

# A6/U3/L3 ELECTRICAL DIAGNOSIS

## JOB SHEET A6A7 Using a Test Light

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

### LEARNING OBJECTIVE/NATEF TASK



- Check electrical circuits with a test light; determine necessary action **NATEF TASK A6/A7, P2. ICS 061, 062, 086**

### MATERIALS

Classroom Vehicle (s) OEM service information, test light

### PROCEDURE

- Wear Safety Glasses for this entire procedure.
- Locate in the OEM service information the wiring diagram for the vehicle you are using. Determine the electrical circuits that are safe to check with a test light and make a list. Submit this list to your instructor/mentor for approval.

Your Instructor **MUST** stamp or initial the box to the right before you can proceed with this job sheet.



- What is the different between a low-impedance 12-volt test light and a high-impedance test light? \_\_\_\_\_
- List the circuits that can safely check with a 12-volt test light:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- Check the operation of the circuits that you identified above with a test light. What can you determine about using the test light to check these circuits:  
\_\_\_\_\_  
\_\_\_\_\_

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- What are the benefit (s) of using a test light as compared to a DMM?

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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** \_\_\_\_\_