

# A6/U3/L4 ELECTRICAL DIAGNOSIS

## JOB SHEET A6G2 Wiper Diagnosis

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

### LEARNING OBJECTIVE/NATEF TASK



- Diagnose incorrect wiper operation; diagnose wiper speed control and park problems; perform necessary action.  
**NATEF TASK A6/G2, P2. ICS161**

### MATERIALS

Classroom Vehicle (s) OEM service information, test light, DMM, fused jumpers

### PROCEDURE

- Wear Safety Glasses for this entire procedure.
- **CAUTION:** Keep fingers clear of levers
- Locate in the OEM service information the wiring diagram for the wiper/washer circuit for the vehicle you are using for this job sheet. Submit this wiring diagram to your instructor and/or mentor for approval.

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



1. Using the wiring diagram (s), identify areas in the circuit, such as, fuses, splices, connectors, wires, and associated components that can cause a problem:

| AREAS | SYMPTOM | CAUSE | TEST USED |
|-------|---------|-------|-----------|
|       |         |       |           |
|       |         |       |           |
|       |         |       |           |
|       |         |       |           |

# A6/U3/L4 ELECTRICAL DIAGNOSIS

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2. Perform the tests that you listed in the last column of the table in question number 1. Does this help isolate the possible circuit problem (s), please explain?

3. Can the windshield washer operate independent of the wiper motor low speed position? \_\_\_\_\_.

4. What diagnostic steps are useful when diagnosing a wiper system?

5. What is your analysis of using wiring diagrams to diagnose wiper circuit problems?

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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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# A6/U3/L4 ELECTRICAL DIAGNOSIS

- 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** \_\_\_\_\_