

# A6/U9/L1 GAUGES, WARNING DEVICES, & DRIVER INFORMATION SYSTEMS DIAGNOSIS

## JOB SHEET A6F1 Gauge Testing & inspection

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

### LEARNING OBJECTIVE/NATEF TASK



- Inspect and test gauges and gauge sending units for cause of intermittent, high, low, or no gauge readings; determine necessary action **NATEF TASK A6/F1, P1. ICS161.167**

### MATERIALS

Classroom Vehicle (s), OEM service information, DMM, Jumper wires

### PROCEDURE

- Wear Safety Glasses for this entire procedure.
- Review Lesson 2 of UNIT 8 in the A6 course. Locate in the OEM service information the procedure for the inspection, diagnosis, and testing of gauges, sending units for the vehicle you are using. Locate a wiring diagram and associated component locator references that show the instrument panel cluster gauges, warning lights, sending units, wiring, fuses, and connectors. Submit this procedure and wiring 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. List the components and sending unit locations in the below table:

GAUGE/WARNING LIGHT	SENDING UNIT LOCATION

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GAUGE/WARNING LIGHT	SENDING UNIT LOCATION

3. If the gauge or warning light is not reading or operating properly what are some simple diagnostic procedures used to determine what circuit component is bad. List these in the below table:

COMPONENT	SUSPECTED FAULT	TEST USED

4. What is your analysis of using the wiring diagram to diagnose gauges or warning lights?

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