

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

JOB SHEET A6F3 Driver Information Systems

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

LEARNING OBJECTIVE/NATEF TASK



- Diagnose the cause of incorrect operation of warning devices and other driver information systems; determine necessary action **NATEF TASK A6/F3, P1. ICS161**

MATERIALS

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

PROCEDURE

- Wear Safety Glasses for this entire procedure.
- Review Lesson 1 of UNIT 9 in the A6 course. Locate in the OEM service information the procedure for the diagnosis of incorrect operation of warning devices and driver information systems along with the wiring diagram (s) for the vehicle you are using. 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. Using the wiring diagram and OEM component locator, go to the vehicle and locate the warning devices listed below and identify which component (switch sensor, computer) controls them (some switches may provide input to an on-board computer that actually controls the warning light). NOTE: all of the listed components may not be on the vehicle you are using for this job sheet.
2. **ABS Warning Light:** _____
3. **SRS Warning Light:** _____
4. **Brake Warning Light:** _____

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5. Malfunction Indicator Lamp (MIL) or Check Engine Light:

6. Cruise Control Engage Light: _____

7. Engine Oil Warning Light: _____

8. Low Tire Pressure Warning Light: _____

9. Seatbelt Warning Light: _____

10. Traction Control ON/Off Light: _____

11. Draw the Brake Warning Lamp Circuit:

12. List the possible causes for an inoperative brake warning light:

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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.

- 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** _____