

A4/U1/L1 POWER STEERING DIAGNOSIS

JOB SHEET A4B10 Power Steering Fluid

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

LEARNING OBJECTIVES/NATEF TASK



- Inspect power steering fluid levels and condition.
NATEF TASK A4/B10, P1. ICS166

MATERIALS

Classroom or dealership vehicle, power steering fluid, safety glasses

SAFETY ISSUES

- Wear safety glasses during this entire procedure.
- You **MUST** know and observe State/Federal Regulations and personal safety procedures while completing this Job Sheet.

PROCEDURE

- Locate in the OEM service manual the procedure for Power Steering Fluid type, level and condition specifications. Submit this procedure to your instructor or mentor for approval. Your instructor/mentor **MUST** stamp the box below before proceeding with the job.

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



Instructor
Approval

1. Determine and record the type of power steering fluid used in the vehicle to be serviced: _____
2. Turn the engine off, make sure the wheels are straight, and wipe away any dirt from around the dipstick.
3. Remove the dipstick and determine the level and temperature of the fluid. Record observations.
4. Using the correct fluid, fill the system to the proper level. Replace the dipstick.

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5. Start the engine and let it idle while turning the steering wheel slowly from lock to lock.
6. Repeat steps 2 through 5 to ensure that the fluid level is correct. Record observations. _____

SERVICE NOTE: If fluid is foamy, allow the vehicle to set a few minutes with the engine off so that the foam can dissipate. If foam is heavy, the vehicle may have to set for one hour. If the dipstick has add and full marks instead of hot and cold full marks, fluid level should be maintained between the add and full marks.

8. Look for fluid contamination.
 - Excessive metal particles in the fluid indicate a possible pump or gear failure.
 - Milky fluid indicates possible moisture contamination.
 - **Record the condition of the fluid.** _____

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** _____