

A4/U6/L2 STEERING COLUMN

JOB SHEET A4B6 Steering Shaft Joints

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

LEARNING OBJECTIVE/NATEF TASK



- Inspect steering shaft universal-joint(s), flexible coupling(s), collapsible column, lock cylinder mechanism, and steering wheel; perform necessary action. **NATEF TASK A4B6, P2. ICS166**

MATERIALS

Classroom Vehicle (s), OEM service information, hand tools

PROCEDURE

- Wear Safety Glasses for this entire procedure.
- Review “Steering Columns” in Lesson 2 of UNIT 6 in the A4 course. Locate in the OEM service information, the inspection process for steering shaft universal-joint(s), flexible coupling(s), collapsible column, lock cylinder mechanism, and the steering wheel for the vehicle you are using for this job sheet. Submit this inspection process 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. Inspect the lock cylinder mechanism and any mechanical linkage to the lock and then disconnect that linkage. Describe the condition of the lock and linkage. _____
2. Remove the retaining bolt or bolts in the lower universal joint or flexible coupling and inspect the universal joint and/or the flexible couplings of the column. Describe their condition. _____

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3. Inspect the collapsible column unit and describe its condition.

4. Disable the SRS System, if equipped with SRS.



When performing service on or near the SRS components or the SRS wiring, the SRS system must be disabled. Refer to SRS Disabling and Enabling Zones. Failure to observe the correct procedure could cause deployment of the SRS components, personal injury, or unnecessary SRS system repairs.

5. Remove the steering-column-to-instrument-panel mounting bolts and carefully remove the steering column from the vehicle.
6. List all of the parts that need to be replaced during assembly:

7. Install the steering column under the instrument panel, and insert the steering shaft into the lower universal joint.
8. Install the steering-column-to-instrument-panel mounting bolts. Be sure the steering column is properly positioned, and tighten these bolts to the specified torque. What is the torque tightening specification? _____
9. Install the retaining bolt or bolts in the lower universal joint or flexible coupling, and tighten the bolt(s) to the specified torque. What is the torque tightening specification? _____

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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** _____