A4/U5/L2 NON-RACK & PINION GEAR

JOB SHEET A4B7 NON-Rack Gear Service

Start Date: _____

Name: _____   End Date: _____

Make: _____ Model: _____ Year: _____

VIN: _____ Mileage: _____

LEARNING OBJECTIVE/NATEF TASK

• Adjust manual or power non-rack and pinion worm bearing preload and sector lash **NATEF TASK A4/B7, P3. ICS155, ICS166**.

MATERIALS

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

PROCEDURE

• Wear Safety Glasses for this entire procedure.
• Review "NON-Rack & Pinion Gears" in Lesson 2 in UNIT 5 of the A4 course. Locate in the OEM service information, the adjustment process for a manual or power non-rack and pinion steering gear 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.`

Instructor
Approval

1. LIst the symptoms resulting from loose non-rack and pinion steering gear adjustments:

   _____

2. LIst the symptoms resulting from tight non-rack and pinion steering gear adjustments:

   _____

3. Explain the non-rack and pinion steering gear preload and sector lash adjustment process:

_____

_____

_____

_____

4. What is the worm shaft bearing preload? _____
5. What is the adjuster plug lock nut torque specification?_____
6. What is the sector lash adjustment torque reading? _____

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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 _____