

## CDX Tasksheet Number: MHT5E002

### Student/Intern Information

Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

### Vehicle, Customer, and Service Information

Vehicle used for this activity:

Year \_\_\_\_\_ Make \_\_\_\_\_ Model \_\_\_\_\_

Odometer \_\_\_\_\_ VIN \_\_\_\_\_

### Materials Required

- Vehicle or simulator with electrical lighting concern(s)
- Vehicle manufacturer's workshop materials, including schematic wiring diagrams
- Digital volt-ohmmeter (DVOM)
- Personal protection equipment (PPE)

### Task-Specific Safety Considerations

- Activities require you to measure electrical values. Always ensure that the instructor/supervisor checks test instrument connections prior to connecting power or taking measurements. High current flows can be dangerous; avoid accidental short circuits or grounding the battery's positive connections.
- Activities may require test-driving the vehicle on the school grounds or on a hoist, both of which carry severe risks. Attempt this task only with full permission from your supervisor/instructor and follow all the guidelines exactly.
- Comply with personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals/materials in accordance with federal, state, and local regulations.
- Always wear the correct protective eyewear and clothing, and use the appropriate safety equipment, as well as wheel chocks, fender covers, seat protectors, and floor mat protectors.
- Make sure you understand and observe all legislative and personal safety procedures when carrying out practical assignments. If you are unsure of what these are, ask your supervisor/instructor.

► **TASK** Test, replace, and aim headlights.

**MTST**  
V.E.2; P1

**Student Instructions:** Read through the entire procedure prior to starting. Prepare your workspace and any tools or parts that may be needed to complete the task. When directed by your supervisor/instructor, begin the procedure to complete the task and check the box as each step is finished.

Time off \_\_\_\_\_

Time on \_\_\_\_\_

Total time \_\_\_\_\_

Procedure:	Step Completed
1. Research the headlight aiming procedure in the exterior lighting section in the appropriate manufacturer service manual for the vehicle you are working on.	
a. Type of headlights the vehicle is equipped with:	<input type="checkbox"/>
b. High-beam bulb number:	<input type="checkbox"/>
c. Low-beam bulb number:	<input type="checkbox"/>
2. Research the headlamp aiming process in the appropriate manufacturer service manual for the vehicle you are working on. List (or print off and attach) the steps that are required to aim these headlights: (Note: Do not touch the bulb with your fingers. Some bulbs will fail prematurely due to the oils from your skin.)	<input type="checkbox"/>
3. Aim the headlights following the specified procedure.	<input type="checkbox"/>
4. List any problems you encountered performing this task:	<input type="checkbox"/>
5. Consult with your supervisor/instructor and list any recommendations that may be necessary:	<input type="checkbox"/>

<b>Non-Task-Specific Evaluations:</b>	<b>Step Completed</b>
1. Tools and equipment were used as directed and returned in good working order.	<input type="checkbox"/>
2. Complied with all general and task-specific safety standards, including proper use of any personal protection equipment.	<input type="checkbox"/>
3. Completed the task in an appropriate time frame (recommendation: 1.5 or 2 times the flat rate).	<input type="checkbox"/>
4. Left the workspace clean and orderly.	<input type="checkbox"/>
5. Cared for customer property and returned it undamaged.	<input type="checkbox"/>

Student signature \_\_\_\_\_ Date \_\_\_\_\_

**Comments:**

Have your supervisor/instructor verify satisfactory completion of this procedure, any observations made, and any necessary action(s) recommended.

**Evaluation Instructions:** The scoring box below is intended to act as a guide for both student and supervisor/instructor. Each criterion listed will help students to understand what is expected of them and help supervisors/instructors articulate the level of success at a particular task. The scoring is set up to allow a second attempt at each task (see the Test and Retest columns). Scoring is also designed to award students points only for task criteria that were completed correctly. Points are lost for failure to complete the employability requirements (see Non-Task-Specific Evaluation criteria). When all criteria are evaluated, tally the points for a total at the bottom of each column.

### Tasksheet Scoring

	Test		Retest	
Evaluation Items	Pass	Fail	Pass	Fail
Task-Specific Evaluation	(1 pt)	(0 pts)	(1 pt)	(0 pts)
Student used the appropriate service information to research the headlight aiming procedure.				
Student successfully aimed the headlights following the specified instructions.				
Student noted any problems encountered during the process.				
Student reinstalled all removed components undamaged and in working order.				
Non-Task-Specific Evaluation	(0 pts)	(-1 pt)	(0 pts)	(-1 pt)
Student successfully completed at least three of the non-task-specific steps.				
Student successfully completed all five of the non-task-specific steps.				
<b>Total Score:</b> <total # of points/4 = %>				

#### Supervisor/Instructor:

Supervisor/instructor signature \_\_\_\_\_ Date \_\_\_\_\_

#### Comments:

Retest supervisor/instructor signature \_\_\_\_\_ Date \_\_\_\_\_

#### Comments: