

CDX Tasksheet Number: MHT4G001

Student/Intern Information

Name _____ Date _____ Class _____

Vehicle, Customer, and Service Information

Vehicle used for this activity:

Year _____ Make _____ Model _____

Odometer _____ VIN _____

Materials Required

- Vehicle with possible tire or wheel alignment concerns
- Vehicle manufacturer's repair information
- Manufacturer-specific tools depending on the concern/procedure(s)

Task-Specific Safety Considerations

- 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 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.
- While working on the vehicle, wheel chocks must be placed on both sides of one set of tires or as directed by your supervisor/instructor.
- Exhaust evacuation hoses must be placed over exhaust outlets while the engine is used in the confined shop space.

► **TASK** Inspect tire condition; identify tire wear patterns; measure tread depth; verify tire matching (diameter and tread); inspect valve stem and cap; set tire pressure; determine needed action.

MTST
IV.G.1; 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. Reference the appropriate manufacturer's repair information.	☐
2. Inspect the tires for embedded objects in treads and remove them. If any object penetrates the tread, mark the hole with a tire crayon.	☐
a. Inspect the sidewalls of the tires for signs of weather cracking and gouges from blunt objects. Any gouge that exposes cords renders the tire out of service (OOS).	☐
b. Carefully examine the tread area for separation. This is usually identified as bubbles under the tread area.	☐
3. Check the tread wear patterns with the vehicle's service information to indicate the types of wear that have occurred.	☐
a. If uneven wear exists, inspect shock absorbers, front alignment angles, out-of-balance wheels, tire inflation, and poor alignment of tractor and trailer.	☐
4. Check the tread depth.	☐
a. Most tires have wear indicator bars incorporated into the tread pattern.	☐
b. Use a tread depth gauge to measure actual depth. Front tires should have at least 4/32" (3.18 mm), while drive or trailer tires must have a minimum of 2/32" (1.59 mm).	☐
i. Actual tread depth: Front axle L/F tire: _____ in/mm R/F tire: _____ in/mm 1st rear axle L/R tires: _____ / _____ in/mm; R/R tires: _____ / _____ in/mm 2nd rear axle L/R tires: _____ / _____ in/mm; R/R tires: _____ / _____ in/mm 3rd rear axle L/R tires: _____ / _____ in/mm; R/R tires: _____ / _____ in/mm 4th rear axle L/R tires: _____ / _____ in/mm; R/R tires: _____ / _____ in/mm	☐
5. Check the recommended tire size on the tire placard, usually located on the driver's side door pillar or surrounding location.	☐

a. Check the sidewall markings on the tire for the tire size and load rating. All tires must meet the specifications of the vehicle. All tires must be of the same size and tread pattern; if not, there could be serious safety repercussions.	☐
6. Check valve stems and caps for leaks or impact damage. All valve stems must have a cap and a valve stem core. Spray soapy water around the valve stem and core to detect air leaks.	☐
7. Check the recommended pressures on the tire placard, usually located on the driver's side door pillar or surrounding location. Check the pressure when the tires are cold.	☐
a. Remove the cap from the valve stem on the first tire. Use a reliable tire gauge to check the air pressure in the tire.	☐
b. If you need to add air or nitrogen, use short bursts so you do not overinflate the tire. Recheck the tire pressure after filling it and replace the cap on the valve stem. Repeat the process for the other tires.	☐
8. Return the vehicle to its beginning condition, and return any tools you used to their proper locations.	☐
9. Discuss your findings with your supervisor/instructor.	☐

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

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 to 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 only to award students points 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 detailed the 3 Cs on the submitted repair order.				
Student used manufacturer's repair information.				
Student performed diagnostic measurements properly and made appropriate conclusions.				
Student completed repairs as directed by the supervisor/instructor.				
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.				
Total Score: <total # of points /4 = %>				

Supervisor/Instructor:

Supervisor/instructor signature _____ Date _____

Comments:

Retest supervisor/instructor signature _____ Date _____

Comments:

