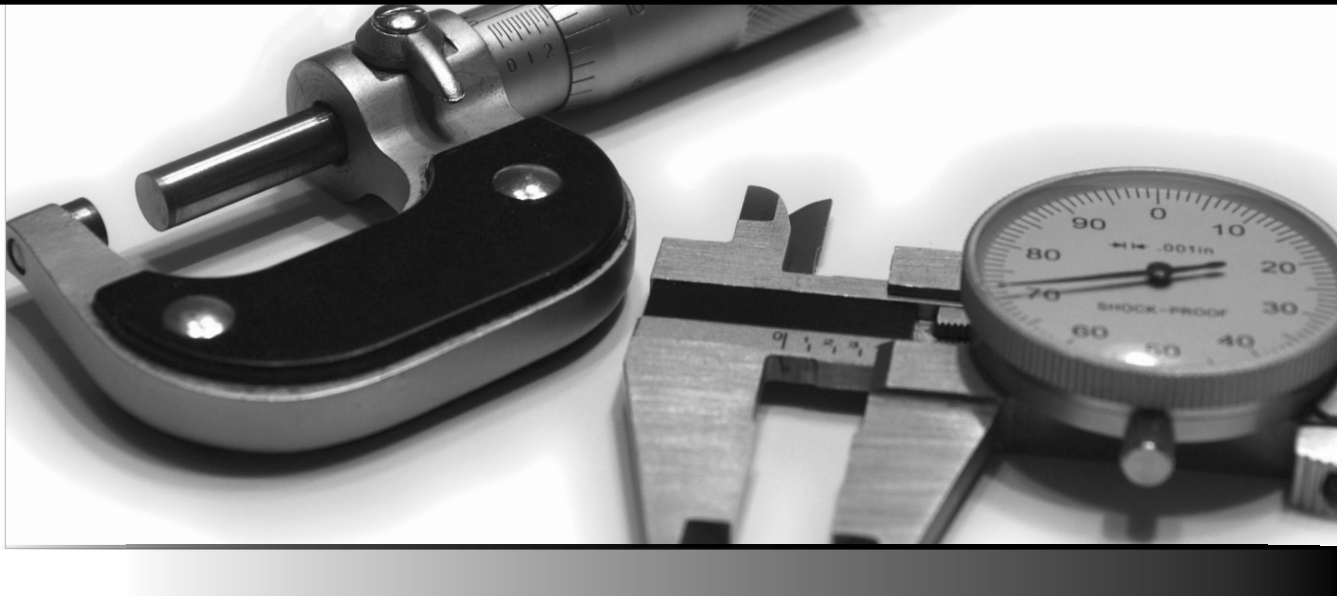


FOUNDATION AND SAFETY



Tasksheet Manual for NATEF Proficiency

CDX Automotive



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Resource Preview

2008 CDX tasksheet numbers appear at the beginning and end of every task, as well as in the general information for the section.

Required and recommended materials and equipment are listed for each task.

Safety issues relevant to the tasks are listed at the beginning of every section.

Vehicle Protection and Jack and Lift Safety

Student/Intern information: _____ Date _____ Class _____

Vehicle Used: _____ Make _____ Model _____

Year _____ VIN _____

Odometer _____

Learning Objective/Task	CDX Tasksheet Number	2008 NATEF Priority Level
Identify purpose and demonstrate proper use of fender covers and mats.	C473	P-1
Identify and use proper placement of floor jacks and jack stands.	C453	P-1
Identify and use proper procedures for safe lift operation.	C454	P-1
Ensure vehicle is prepared to return to customer per school/company policy (floor mats, steering wheel cover, etc.).	C476	P-1

Time off: _____
Time on: _____
Total time: _____

Recommended Resource Materials

- CDX Automotive program
- CDX eTextbook
- Class notes

Materials Required

- Vehicle
- Fender, seat, steering wheel, and carpet covers
- Floor jack
- Jack stand/s
- Wheel chocks
- Vehicle hoist
- Shop rag
- Possible cleaning supplies

Some Safety Issues to Consider

- 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.
- Floor jacks and jack stands must have a capacity rating higher than the load lifted.
- Floor jacks and jack stands must be used on a hard, level surface. Do not attempt to lift or support a vehicle under any other conditions.
- Jacks are designed to lift a vehicle, not to support it. Always use jack stands once the vehicle has been lifted.
- Have the jack stands ready, and at hand, prior to lifting the vehicle.
- Vehicle hoists are important tools that increase productivity and make the job easier. But they also can cause severe injury or death if used improperly. Make sure you follow the hoist and vehicle manufacturers' operation procedures. Also, make sure you have your instructor's permission to use a vehicle hoist.
- It is critical that the vehicle be returned to the customer in proper working order. Double check your work before releasing the vehicle to the customer.

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2. Check to make sure the vehicle is on a hard, level surface. If not, move it to a safe location.

3. Install wheel chocks. Prepare the floor jack and stands for use.

4. Lift and support the vehicle on jack stands according to the manufacturer's procedure.

a. Have your instructor initial to verify proper jack stand placement: _____

5. Lift the vehicle and remove the jack stands. Return the jack and stands to their proper storage places.

6. Return the vehicle to its beginning condition and return any tools you used to their proper locations.

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

Performance Rating CDX Tasksheet Number: C453

0 1 2 3 4

Supervisor/instructor signature _____ Date _____

TASK Identify and use proper procedures for safe lift operation. C454

Vehicle, if different than above: _____

Year _____ Make _____ Model _____

Odometer _____ VIN _____

1. Position the vehicle in proper relation to the lift, taking into consideration the center of gravity of the vehicle.

NOTE Check the vehicle for unusual loading, such as heavy loads in the trunk or truck bed. If you find this situation, notify your instructor immediately.

2. Position the lift arms in the proper location as specified by the manufacturer.

3. Raise the lift until one of the arms lightly contacts the lift point. Check the position of the lift arms to make sure they are in contact with (or just about to contact) the proper points.

NOTE Make sure the lift arms are not touching or pinching anything they shouldn't be in contact with, including the rocker panel or running boards.

4. If the arms are in the proper position, raise the vehicle a few inches off the ground. Using a strong part of the vehicle, moderately shake the vehicle to make sure it is stable.

NOTE If the vehicle shifts position at all or is out of balance, lower the vehicle and reset the lift arms or reposition the vehicle.

5. If the vehicle is stable, lift the vehicle to the height indicated by your instructor and engage the locks or lower the lift onto the locks.

a. Have your instructor initial to verify proper hoist placement: _____

6. Lower the vehicle and move the lift arms out of the way of the vehicle.

7. Return the vehicle to its beginning condition and return any tools you used to their proper locations.

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

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Performance standard and rating areas simplify the sign-off process for instructors.

Time card feature appears at the beginning of every task and allows students to track the time they spend on each task.

Note boxes offer students vital information to consider while performing the task.

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CDX Automotive

Designed to help automotive programs meet NATEF requirements, this interactive automotive training system introduces students to the fundamental principles and applications of automotive education. It also equips instructors with a complete set of easy-to-use course materials. This innovative resource will enrich your conventional course, or can be used as a primary management source to deliver an online program that accommodates increasing student enrollments.

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