

# CDX Tasksheet Number: MHT1C004

## 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 engine concern
- Engine manufacturer's workshop materials
- Manufacturer-specific tools depending on the concern/procedure(s)
- Vehicle/component lifting equipment, if applicable

## 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.
- Lifting equipment and machines such as vehicle jacks and stands, vehicle hoists, and engine hoists are important tools that increase productivity and make the job easier. However, they can also cause severe injury or death if used improperly. Make sure you follow the manufacturer's operation procedures. Also make sure you have your supervisor's/instructor's permission to use any particular type of lifting equipment.
- 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** Install and align flywheel housing; inspect flywheel housing(s) to transmission housing/engine mating surface(s); measure flywheel housing face and bore runout; determine needed action.

**MTST**  
I.C.4; P2

**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 \_\_\_\_\_

**Note: This tasksheet will require the student to check the condition of miscellaneous vehicle fluids, some of which may be flammable and could damage the environment or cause health problems if not handled properly. Observe all safety precautions and follow local regulations for the proper disposal of fluids.**

Procedure:	Step Completed
1. Reference the manufacturer's workshop materials; install and align the flywheel housing.	
a. Meets the manufacturer's specifications: Yes: <input type="checkbox"/> No: <input type="checkbox"/>	<input type="checkbox"/>
b. If No, list recommendations for any rectifications:	<input type="checkbox"/>
2. Reference the manufacturer's workshop materials; inspect the flywheel housing(s) to the transmission housing/engine mating surface(s) for damage and threaded holes for damaged/stripped threads.	
a. Make any repairs if directed by your supervisor/instructor:	<input type="checkbox"/>
3. While referring to the manufacturer's workshop materials, measure the flywheel housing face and bore runout.	
a. Specification: _____ in./mm	<input type="checkbox"/>
b. Actual: _____ in./mm	<input type="checkbox"/>
c. Meets the manufacturer's specifications: Yes: <input type="checkbox"/> No: <input type="checkbox"/>	<input type="checkbox"/>
d. If No, list recommendations for rectification:	<input type="checkbox"/>
4. Discuss the findings with your supervisor/instructor.	<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

Evaluation Items	Test		Retest	
	Pass	Fail	Pass	Fail
<b>Task-Specific Evaluation</b>	<b>(1 pt)</b>	<b>(0 pts)</b>	<b>(1 pt)</b>	<b>(0 pts)</b>
Student referenced the appropriate manufacturer's workshop materials.				
Student installed the flywheel housing correctly using the correct procedure and tools.				
Student inspected the flywheel housing for damage.				
Student measured the flywheel housing face and bore runout.				
<b>Non-Task-Specific Evaluation</b>	<b>(0 pts)</b>	<b>(-1 pt)</b>	<b>(0 pts)</b>	<b>(-1 pt)</b>
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:**