CDX Tasksheet Number: MHT1H003

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.

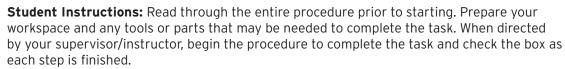
▶ TASK Inspect, test, and adjust engine compression and/or exhaust brake control circuits, switches, and solenoids; determine needed action.

MTST	
I.H.3; P2	

Time off.

Time on.

Total time.



Note: This tasksheet may 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.

© 2021 Jones & Bartlett Learning, LLC, an Ascend Learning Company

Procedure:	Step Completed
 Record the procedure for testing continuity and resistance in engine brake control switches as outlined in the manufacturer's workshop mate- rials, and perform the test: 	
a. Within manufacturer's specifications:	
Yes: 🗆 No: 🗖	
b. If No, describe the recommended corrective action(s):	
2. Record the procedure for testing for short to ground in engine brake con- trol circuits as outlined in the manufacturer's workshop materials, and perform the test:	
a. Within manufacturer's specifications: Yes: 🗆 No: 🗔	
b. If No, describe the recommended corrective action(s):	
3. Record the procedure for testing for short to power in engine brake con- trol circuits as outlined in the manufacturer's workshop materials, and perform the test:	
a. Within manufacturer's specifications: Yes: 🗆 No: 🗆	
b. If No, describe the recommended corrective action(s):	

4. Record the procedure for testing for a short between engine brake control circuits as outlined in the manufacturer's workshop materials, and perform the test:	
a. Within manufacturer's specifications: Yes: 🗆 No: 🗔	
b. If No, describe the recommended corrective action(s):	
5. Record the procedure for testing engine brake application voltage at so- lenoids/control valves as outlined in the manufacturer's workshop materi- als, and perform the test:	
a. Within manufacturer's specifications: Yes: 🗆 No: 🗔	
b. If No, describe the recommended corrective action(s):	
6. Record the procedure for checking/adjusting engine brake control switches as outlined in the manufacturer's workshop materials. Check ad- justment of switches:	
a. Within manufacturer's specifications: Yes: 🗆 No: 🗔	
b. If No, describe the recommended corrective action(s):	
7. Discuss your findings with your supervisor/instructor.	

Non-Task-Specific Evaluations:	Step Completed
 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.	
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.	

 \circledast 2021 Jones & Bartlett Learning, LLC, an Ascend Learning Company

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)	(O pts)	(1 pt)	(O pts)
Student properly checked continuity and resistance in engine brake control switches.				
Student properly tested short to ground and short to power in engine brake control circuits and short between engine brake control circuits.				
Student properly tested engine brake applica- tion voltage at solenoids/control valves.				
Student properly performed checking/adjusting of engine brake control switches.				
Non-Task-Specific Evaluation	(0 pts)	(-1 pt)	(O 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 #="" 4="%" of="" points=""></total>				

Supervisor/Instructor:		
Supervisor/instructor signature	Date	
Comments:		
Retest supervisor/instructor signature	Date	
Comments:		

© 2021 Jones & Bartlett Learning, LLC, an Ascend Learning Company