

TASK Perform cranking sound diagnosis.

Additional Task

Time off _____
 Time on _____
 Total time _____

CDX Tasksheet Number: N/A

1. Disable the ignition or fuel system so that the engine will crank, but not start.

NOTE Some vehicles can be put into “clear flood” mode by depressing the throttle to the floor before turning the ignition key to the “run” position. This prevents the fuel injectors from being activated. If your vehicle is equipped with this mode, hold the throttle down to the floor and try cranking the engine over (make sure you are prepared to turn off the ignition switch if the engine starts). You can also disable the engine by disconnecting the fuel injectors or ignition coils.

2. Crank the engine over for approximately 5 seconds and listen to the cranking sound.

NOTE The engine should crank over at a normal speed. Too fast could mean low compression caused by bent valves or a slipped timing belt or chain. Too slow could mean a seized piston or bearing, or a faulty starting system. An uneven cranking sound may indicate grossly uneven compression pressures in the cylinders.

3. **List your observation(s):**

4. **Determine any necessary action(s):**

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

Performance Rating

CDX Tasksheet Number: N/A

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Supervisor/instructor signature _____ Date _____