▶ TASK Perform cylinder cranking and running compression tests; determine needed action.

readings obtained for each cylinder in the table.

Time off
Time on

Total time_

CDX Tasksheet Number: C709

- 1. Research the procedure and specifications for performing both a cranking compression test and a running compression test on this vehicle in the appropriate service information.
- 2. List the conditions that must be met for the cranking compression test to be accurate (you may paraphrase):

3.	Sp	eci	fic	ati	ons
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- psi/kPa or % a. Minimum compression pressure: ___ b. Maximum variation: ___
- 4. Cranking Compression Test: Perform the cranking compression test following the specified procedure. The top row in the table below is a standard test and the bottom row is a wet test using a small amount of clean engine oil. The wet test would normally be performed on engines that fail the standard test. List the

Cylinder #2 #3 #4 #5 #6 #7 #8 Standard test (psi/kPa) Wet test(psi/kPa)

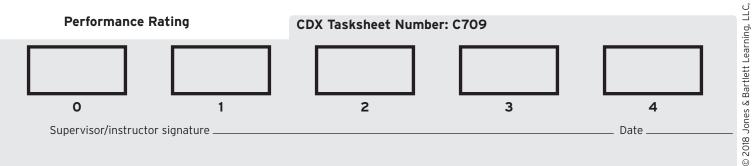
- a. Calculate the difference between the highest and lowest cylinders (dry test): _____
- 5. Running Compression Test: Perform the running compression test following the specified procedure. List the readings obtained for each cylinder:

NOTE Make sure the person snapping the throttle open is ready to turn off the ignition switch if the throttle sticks open.

Cylinder	#1	#2	#3	#4	#5	#6	#7	#8
Idle (psi/kPa)								
Snap throttle (psi/kPa)								

a. Determine any necessary action(s):

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



104 Engine Repair