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On pressure: \_\_

CDX Tasksh	heet Number: C374	7D2 7D2			
Vehicle use	ed for this activity:				
Year	Make	Model			
Odometer_	VIN				
1.	Research the procedure and specifications to inspect and test the electrical components of the A/C compressor clutch control system in the appropriate service information.				
	a. Specified resistance of the clutch	winding: ohm			
	b. A/C cycling switch specifications				
	Off pressure:	psi/kPa			
	On pressure:	psi/kPa			
	c. A/C thermoswitch specifications (				
	Off temperature:	°F/°C			
	On temperature:	°F/°C			
	d. A/C duct temperature specification	ons: °F/°C			
	e. A/C high-pressure cut-out switch	specifications			
	Off pressure:	psi/kPa			
	On pressure:	psi/kPa			
	f. A/C low pressure cut-out switch (	non-cycling) (if equipped)			
	Off pressure:	psi/kPa			
	On pressure:	psi/kPa			
	g. A/C compressor clutch relay spec	ifications (if equipped)			
	Relay winding resistance:	ohm			
	Maximum allowable voltage drop a volt	-			
	h. List all the fuses and/or fusible lin	ks for the A/C compressor clutch circuit			
	i. Does the compressor clutch share Yes: No:				
2.	Following the specified procedure, activate	the A/C system.			
	<ul><li>a. Does the compressor clutch engage</li><li>b. If yes, continue on to step 3. If no,</li></ul>	ge? Yes: No: skip to step 5.			
3.	List your observations below.				
	a. A/C cycling switch readings (if equ	uipped)			
	Off pressure:	nci/kDa			

\_ psi/kPa

Time off\_

Time on\_\_

Total time\_

b.	b. A/C thermoswitch readings (if equipped)						
Off temperature:		°F/°C					
01	n temperature:	_ °F/°C					
c.	A/C duct temperature:	°F/°C					
d.	<ul> <li>A/C high pressure cut-out switch readings (may require condenser airflow blockage to test). (DUE TO THE SAFETY IMPLICATIONS, ONLY PERFORM THIS TEST IF APPROVED BY YOUR SUPERVISOR/INSTRUCTOR)</li> </ul>						
	Off pressure:	_ psi/kPa					
	On pressure:	_ psi/kPa					

e. Determine any necessary action(s):

**4.** Have your supervisor/instructor verify the readings. Supervisor's/instructor's initials: \_\_\_\_\_

**NOTE** If your instructor signed off on this step, skip to the final check off.

- **5.** If the clutch does not engage, install a gauge set and check for minimum refrigerant pressure. If pressure is insufficient, check for refrigerant leaks, then retest after repair. If pressure is sufficient, measure the voltage applied to the compressor clutch winding.
  - a. Applied voltage to the compressor clutch: \_\_\_\_\_ volt
  - b. Compressor clutch winding resistance:\_\_\_\_\_\_ ohm
  - c. A/C compressor clutch relay readings

    Relay winding resistance: \_\_\_\_\_\_ ohm

    Voltage at the relay contact input terminal: \_\_\_\_\_ volt

    Voltage drop across relay contacts (A/C on): \_\_\_\_\_\_ volt
  - d. Describe the circuit protection device(s) condition:

6. Determine any necessary action(s):

**NOTE** If repairs are made, return to step 3 and retest.

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

Name:	Date:	Class