

NATEF TASK SHEET --- SECTION A.1, D.5 P-2

CS3: REMOVE AND INSTALL COOLANT HOSE

Student: _____ Date: _____ Period: _____

VIN: _____ Year: _____ Make: _____ Model: _____

Engine: _____ Transmission: _____ Production Date: _____

OBJECTIVE: Student will remove and install a coolant hose, determine condition of hose and pressure test system after installation.

- MATERIALS:**
1. **EYE PROTECTION**
 2. Hand Tools and Drain Pan
 3. Cooling System Pressure Tester
 4. Coolant/Water 50/50mix
 5. Vehicle (see instructor)

PROCEDURE: WEAR EYE PROTECTION!

Watch power point CS3. ***WITH ENGINE COOL!*** Locate coolant hose to be removed. Place clean coolant drain pan under vehicle. Loosen radiator drain plug and drain coolant into pan. Loosen hose clamps and slide back on hose, out of the way. Twist hose ends to loosen and then remove hose. Evaluate hose condition. Show hose to instructor. Install hose with hose clamps already on hose loosely. Make sure ends of hose are fully installed on fittings. Slide hose clamps into position and tighten snugly. **DO NOT OVERTIGHTEN!** Fill cooling system with coolant and pressure test system to check for leaks. Note leaks found. Dispose of coolant into coolant waste collection barrel. Clean coolant drain pan and put away. Clean up your mess. Have instructor inspect completed job.

Your Recommendation: (Circle one) **Replace Hose** **No Service Required**
Explain Why?

Leaks Found/Other Problems: _____

INSTRUCTORS EVALUATION

LEVEL OF SKILL ATTAINED	Initial	OVERALL SKILL EVALUATION	Points
DEMONSTRATES MASTERY (5)		DOCUMENTATION COMPLETENESS (1)	
PERFORMS SATISFACTORILY (4)		SAFETY COMPLIANCE (1)	
CAPABLE, NEEDS PRACTICE (3)		WORK PROFESSIONALISM (3)	
ASSISTED IN PERFORMING (2)		LEVEL OF SKILL ATTAINED (1-5)	
EXPOSURE, OBSERVATION (1)		TOTAL SCORE	
INSTRUCTOR'S SIGNATURE:			

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