

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!** Use fender covers, seat covers, and floor mats. 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? _____

If you are replacing a hose, what additional parts might you need to complete the job? _____

Leaks Found: _____

Name two ways you can be certain that a coolant hose is good:

1. _____ 2. _____

If a coolant hose blows on your car, what do you think needs to be done? _____

INSTRUCTOR'S SIGN OFF: _____

INSTRUCTOR'S EVALUATION

Demonstrates Mastery
Performed Satisfactorily
Capable, Needs Practice
Assisted in Performing
Exposure/Observation

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