

NATEF AUTOMOTIVE TASK LIST
AUT 141 - INTRODUCTION TO HEATING AND AIR CONDITIONING

TERM: _____

SID: _____

INSTRUCTOR: _____

NAME: _____

For every task in Heating and Air Conditioning, the following safety requirement must be strictly enforced: Comply with personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations.

<u>Task Code</u>	<u>Task</u>	<u>Priority</u>
<u>C. Heating, Ventilation and Engine Cooling Systems Diagnosis and Repair</u>		
7.C.1	Inspect engine cooling and heater systems hoses; perform necessary action.	P-1
7.C.2	Inspect and test heater control valve(s); perform necessary action.	P-2
7.C.3	Diagnose temperature control problems in the heater/ventilation system; determine necessary action.	P-2
7.C.4	Determine procedure to remove inspect, and reinstall heater core.	P-2
<u>D. Operating Systems and Related Controls Diagnosis and Repair</u>		
7.D.1	Inspect and test A/C-heater blower motors, resistors, switches, relays, wiring, and protection devices; perform necessary action.	P-1
7.D.2	Diagnose A/C compressor clutch control systems; determine necessary action.	P-2
7.D.3	Diagnose malfunctions in the vacuum, mechanical, and electrical components and controls of the heating, ventilation, and A/C (HVAC) system; determine necessary action.	P-2
7.D.4	Inspect and test A/C-heater control panel assembly; determine necessary action.	P-3
7.D.5	Inspect and test A/C-heater control cables, motors, and linkages; perform necessary action.	P-3
7.D.6	Inspect A/C-heater ducts, doors, hoses, cabin filters, and outlets; perform necessary action.	P-1
7.D.7	Identify the source of A/C system odors.	P-2
7.D.8	Check operation of automatic or semi-automatic heating, ventilation, and air-conditioning (HVAC) control systems; determine necessary action.	P-2