

NATEF AUTOMOTIVE TASK LIST
AUT 145 - ENGINE PERFORMANCE

TERM: _____

SID: _____

INSTRUCTOR: _____

NAME: _____

**For every task in Engine Performance 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>A. General Engine Diagnosis</u>		
8.A.1	Identify and interpret engine performance concerns; determine necessary action.	P-1
8.A.2	Research applicable vehicle and service information, vehicle service history, service precautions, and technical service bulletins.	P-1
8.A.3	Diagnose abnormal engine noises or vibration concerns; determine necessary action.	P-3
8.A.4	Diagnose the cause of excessive oil consumption coolant consumption, unusual exhaust color, odor, and sound; determine necessary action.	P-2
8.A.5	Perform engine absolute (vacuum/boost) manifold pressure tests; determine necessary action.	P-1
8.A.6	Perform cylinder power balance test; determine necessary action.	P-2
8.A.7	Perform cylinder cranking and running compression tests; determine necessary action.	P-1
8.A.8	Perform cylinder leakage test; determine necessary action.	P-1
8.A.9	Diagnose engine mechanical, electrical, electronic, fuel, and ignition concerns; determine necessary action.	P-2
8.A.10	Verify engine operating temperature; determine necessary action.	P-1
8.A.11	Verify correct camshaft timing.	P-1