

NATEF AUTOMOTIVE TASK LIST
AUT 132 – AUTOMOTIVE ELECTRICITY

TERM: _____

SID: _____

INSTRUCTOR: _____

NAME: _____

For every task in Automotive Electricity, 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>E. Lighting System Diagnosis and Repair</u>		
6.E.1	Diagnose (troubleshoot) the cause of brighter than normal, intermittent, dim or no light operation; determine necessary action.	P-1
6.E.2	Inspect interior and exterior lamps and sockets including headlights and auxiliary lights (fog lights/driving lights); replace as needed.	P-1
6.E.3	Aim headlights.	P-2
6.E.4	Identify system voltage and safety precautions associated with high intensity discharge headlights.	P-2
<u>F. Gauges, Warning Devices and Driver information Systems Diagnosis and Repair</u>		
6.F.1	Inspect and test gauges and gauge sending units for causes of abnormal gauge readings; determine necessary action.	P-2
6.F.2	Diagnose (troubleshoot) the causes of incorrect operation of warning devices and other driver information systems; determine necessary action.	P-2
<u>G. Horn and Wiper/Washer Diagnosis and Repair</u>		
6.G.1	Diagnose (troubleshoot) causes of incorrect horn operation; perform necessary action.	P-1
6.G.2	Diagnose (troubleshoot) causes of incorrect wiper operation; diagnose wiper speed control and park problems; perform necessary action.	P-2
6.G.3	Diagnose (troubleshoot) windshield washer problems; perform necessary action.	P-2
<u>H. Accessories Diagnosis and Repair</u>		
6.H.1	Diagnose (troubleshoot) incorrect operation of motor-driven accessory circuits; determine necessary action.	P-2
6.H.2	Diagnose (troubleshoot) incorrect electric lock operation (including remote keyless entry); determine necessary action.	P-2
6.H.3	Diagnose (troubleshoot) incorrect operation of cruise control systems; determine necessary action.	P-3
6.H.4	Diagnose (troubleshoot) supplemental restraint system (SRS) problems; determine necessary action.	P-2
6.H.5	Disable and enable an airbag system for vehicle service; verify indicator lamp operation.	P-1

6.H.6	Remove and reinstall door panel.	P-1
6.H.7	Check for module communication errors (including CAN/BUS systems) using a scan tool.	P-2
6.H.8	Describe the operation of keyless entry/remote-start systems.	P-3
6.H.9	Verify operation of instrument panel gauges and warning/indicator lights; reset maintenance indicators.	P-1
6.H.10	Verify windshield wiper and washer operation, replace wiper blades.	P-1
6.H.11	Diagnose (troubleshoot) radio static and weak, intermittent, or no radio reception; determine necessary action.	P-3
6.H.12	Diagnose (troubleshoot) body electronic system circuits using a scan tool; determine necessary action.	P-3
6.H.13	Diagnose the cause(s) of false, intermittent, or no operation of anti-theft systems.	P-3
6.H.14	Describe the process for software transfers, software updates, or flash reprogramming on electronic modules.	P-3