

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 the cause of brighter than normal, intermittent, dim or no light operation; determine necessary action..	P1
6.E.2	Inspect, replace, and aim highlights and bulbs	P2
6.E.3	Inspect and diagnose incorrect turn signal or hazard light operation; perform necessary action.	P2
6.E.4	Identify system voltage and safety precautions associated with high intensity discharge headlights.	P2
<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 cause of abnormal gauge readings; determine necessary action.	P1
6.F.2	Inspect and test connectors, wires, and printed circuit boards of gauge circuits; determine necessary action.	P3
6.F.3	Diagnose the cause of incorrect operation of warning devices and other driver information systems; determine necessary action.	P1
6.F.4	Inspect and test sensors, connectors, and wires of electronic (digital) instrument circuits; determine necessary action.	P3
<u>G. Horn and Wiper/Washer Diagnosis and Repair</u>		
6.G.1	Diagnose incorrect horn operation; perform necessary action.	P1
6.G.2	Diagnose incorrect wiper operation; diagnose wiper speed control and park problems; perform necessary action.	P1
6.G.3	Diagnose incorrect washer operation; perform necessary action.	P2
<u>H. Accessories Diagnosis and Repair</u>		
6.H.1	Diagnose incorrect operation of motor-driven accessory circuits: determine necessary action.	P1
6.H.2	Diagnose incorrect heated glass, mirror, or seat operation; determine necessary action.	P3
6.H.3	Diagnose incorrect electric lock operation (including remote keyless entry) ; determine necessary action.	P1

6.H.4	Diagnose incorrect operation of cruise control systems; determine necessary action.	P3
6.H.5	Diagnose supplemental restraint system (SRS) concerns; determine necessary action.	P1
6.H.6	Disarm and enable the airbag system for vehicle service.	P1
6.H.7	Diagnose radio static and weak, intermittent, or no radio reception; determine necessary action.	P3
6.H.8	Remove and reinstall door panel.	P1
6.H.9	Diagnose body electronic system circuits using a scan tool; determine necessary action.	P2
6.H.10	Check for module communication (including CAN/BUS) errors using a scan tool.	P2
6.H.11	Diagnose the cause of false, intermittent, or no operation of anti-theft systems.	P3
6.H.12	Describe the operation of keyless entry/remote- start systems.	P3
6.H.13	Perform software transfers, software updates or flash reprogramming on electronic modules	P3