

AUTOMOTIVE MECHANIC

KIND OF WORK

Skilled automotive equipment repair and maintenance work.

NATURE AND PURPOSE

Under general supervision, an employee in this class is responsible for skilled maintenance and repair of automobiles and light to medium duty truck equipment. Performs equipment troubleshooting to test operational efficiency and determine cause of malfunction. Prescribes and performs repairs to equipment. May provide lead work direction to semiskilled or unskilled workers. Performs related work as required.

This class differs from the Automotive Technician in that it performs skilled repairs and maintenance to internal parts of automotive engines and transmissions. It differs from the Automotive Mechanic Supervisor in that it does not supervise staff.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Maintain, repair, and test automobiles and light to medium duty truck equipment so that vehicles operate efficiently and safely by dismantling, inspecting, repairing, and assembling gasoline engines; testing cooling systems, headlights, carburetors, and other parts; repairing electrical and ignition systems; installing accessories; cleaning and rebuilding wheel and master brake cylinders; adjusting, repairing, and aligning front end suspension systems; repairing parts using acetylene and arc welding systems.

Clean engines in preparation of performance of preventive maintenance or repairs on vehicles so that engines are clean and ready to work on by removing hoods and battery covers in preparation for steam cleaning; preparing steamer by checking water levels and adding soap solution to water; fueling steam cleaner; cleaning engine or piece of equipment.

Change and repair tires on automobile and light to medium duty truck equipment so that tires are in safe driving condition by patching tires; mounting new tires; rotating tires; balancing tires.

Providing assistance to Heavy Equipment Mechanic in preparing equipment for repair and in operation of wrecker so that cars are started within a reasonable period of time after call is received by operating wrecker on local calls only for car starting and towing; assisting mechanics when needing operation of chain hoist while removing an engine; delivering and picking up vehicles from various sites.

Sandblast and paint equipment as needed so that welder spots are smooth and equipment is cleaned and properly stored by chipping off clag on welded spots; checking to ensure adequate air supply; covering areas not to be sandblasted or painted; operating sandblaster; painting sandblasted areas with primer and finish coat.

KNOWLEDGE, SKILLS, AND ABILITIES REQUIRED

Knowledge of:

Automotive repair procedures and techniques sufficient to perform maintenance and repair duties on automobiles and light trucks.

Automotive machines and hand tools sufficient to make correct and safe use of these in the repair and maintenance of equipment.

Metal forging, forming, and temporing sufficient to repair equipment to working order.

Arc and acetylene welding sufficient to repair damaged equipment and modify existing equipment per required specifications.

Ability to:

Detect, diagnose, and repair mechanical defects sufficient to perform preventive maintenance on equipment.

Use precision measuring instruments sufficient to make use of these in the repair and maintenance of equipment.

Understand and follow oral and written instructions sufficient to carry out repair orders and understand maintenance records and equipment specifications.

Keep repair records sufficient to log, track, and retrieve repair and maintenance histories on equipment.

Est.: 4/40TC: 7/45

Merge: 7/67 Former Title(s): Garage Mechanic

Rev.: 7/69, 5/78, 1/92