

AUTOMOBILE MECHANIC

RAPIDS: 0023D

O*NET/SOC: 49-3023.01

REVISION DATE: 09/2019

TRADE DESCRIPTION: Repair automobiles, trucks, buses, and other vehicles. Master Mechanics repair virtually any part on the vehicle or specialize such as the transmission system.

TASK PERFORMANCE: Demonstrate knowledge and skills for qualifying as Journeyman. Applicable Job Qualification Requirements will be used as a guide in performing tasks and demonstrating knowledge in the following skill areas. Actual work time must be recorded in the Work Experience Log; each skill area must be completed.

Applicable Ratings/MOS/NEC

USMC MOS: 2147, 3521, 3524, 3526, 6073

USCG: MK

USN: AD, AS, CM

USA MOS: 12P, 915A, 915E, 919A, 91A, 91B, 91C, 91D, 91H, 91L, 91M, 91P, 91S, 91X, 91Z

Related Instruction:

Trade related On-The-Job-Training (OJT) or Any trade related schools/courses totaling 288 or more hours.

Additional Requirement:

None

Total Hours: **4000**

Skill	Description	Hours
A	SHOP AND WORK AREA	1000

	<ul style="list-style-type: none"> -- Follow checklists to ensure all important parts are examined, including belts, hoses, steering systems, spark plugs, brake and fuel systems, wheel bearings, and other potentially troublesome areas. -- Confer with customers to obtain descriptions of vehicle problems and to discuss work to be performed and future repair requirements. -- Review work orders and discuss work with supervisors. -- Plan work procedures, using charts, technical manuals, and experience. -- Maintain cleanliness of work area. 	
B	<p>TROUBLESHOOTING AND INSPECTION</p> <ul style="list-style-type: none"> -- Test drive vehicles and test components and systems, using equipment such as infrared engine analyzers, compression gauges, and computerized diagnostic devices. -- Examine vehicles to determine extent of damage or malfunctions. 	1500
C	<p>SCHEDULED AND UNSCHEDULED MAINTENANCE</p> <ul style="list-style-type: none"> -- Repair, reline, replace, and adjust brakes. -- Perform routine and scheduled maintenance services, such as oil changes, lubrications, and tune-ups. -- Repair and service air conditioning, heating, engine cooling, and electrical systems. -- Test and adjust repaired systems to meet manufacturers' performance specifications. -- Repair or replace parts such as pistons, rods, gears, valves, and bearings. -- Rewire ignition systems, lights, and instrument panels. -- Repair manual and automatic transmissions. -- Install and repair accessories, such as radios, heaters, mirrors, and windshield wipers. -- Repair or replace shock absorbers. -- Replace and adjust headlights -- Repair radiator leaks. -- Align vehicles' front ends. -- Tear down, repair, and rebuild faulty assemblies, such as power systems, steering systems, and linkages. -- Disassemble units and inspect parts for wear, using micrometers, calipers, and gauges. -- Overhaul or replace carburetors, blowers, generators, distributors, starters, and pumps. 	1500

	-- Rebuild parts, such as crankshafts and cylinder blocks.	
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