

NO RTEC JOB SPECIFIC SKILLS COMPETENCY

AIRFRAME and POWER PLANT MECHANIC HELPER (Airplane Mechanic Helper)

DOT: 621.684-010 / O*NET-SOC: 49-9098.00 SVP 4

Job Description: Assists other workers engaged in servicing, repairing, and overhauling aircraft and aircraft engines. *Physical Demands* -Active w/medium lifting, carrying, or moving (up to 50 lbs); *General Educational Development* - R3 M2 L2 ; *Aptitudes* - Average General Learning Ability, Spatial, Form Perception, Motor Coordination, Finger and Manual Dexterity.

CORE SKILL COMPETENCIES/INDICATORS:

1. Can demonstrate proper technique used to check aircraft fluid levels, such as gas, oil, etc. (R, S, T)
2. Can demonstrate ability to fill/refill fluids to the appropriate levels utilizing the appropriate product. (T)
3. Can demonstrate proper technique used to remove and replace inspection plates, cowling, engine covers, floorboards, and related items. (R, S, T)
4. Can demonstrate proper technique used to replace batteries, filters, and similar accessories. (R, S, T)
5. Can demonstrate ability to locate, secure and hand appropriate tools/supplies to aircraft mechanic. (R, S, T)
6. Can demonstrate ability to assist aircraft mechanic in dismantling, repairing, overhauling, or replacing parts and assemblies, such as engines, plumbing, hydraulic systems, and aircraft structural sections. (R, S, T)
7. Can demonstrate ability to assist aircraft mechanic service, repair, and overhaul aircraft and aircraft engines, including carburetors and alternators. (R, S, T)
8. Can demonstrate ability to examine an aircraft and discuss the nature and extent of repair required with the aircraft mechanic and/or customer. (R, I, IN, S T)
9. Can demonstrate ability to perform miscellaneous duties to service aircraft, including flushing crankcase, cleaning screens, and checking brakes. (R, S, T)
10. Can demonstrate ability to read and interpret manuals, charts, etc. to determine procedures for repairs and/or adjustments. (IN)
11. Can demonstrate ability to inspect parts for wear/damage to determine the need for replacement. (R, IN, S, T)
12. Can demonstrate ability to assist aircraft mechanic repair, replace and/or rebuild aircraft structures, such as wings, fuselage, rigging, etc. (R, S, T)
13. Can demonstrate ability to utilize a grease gun to grease various/appropriate parts of the aircraft. (T)
14. Can demonstrate ability to appropriately utilize and operate power tools, such as wrenches, welding and flame cutting equipment, rivet gun, drills, etc. (T)
15. Can identify and appropriately utilize hand tools, such as screwdrivers, pliers, wrenches, shears, sheet metal brakes, gauges, etc. (T)
16. Can demonstrate proper technique used to inspect aircraft blades to detect cracks or breaks. (R, S, T)
17. Can demonstrate ability to accurately record and maintain repair/service history for customer records. (IN, S)
18. Can demonstrate proper technique used to clean the interior and exterior parts and assemblies of the aircraft. (R, S, T)

19. **Can demonstrate ability to inflate tires to appropriate levels using air compressors. (R, S T)**
20. **Can demonstrate ability to safely move supplies and materials to and from work stations and other areas, using hand or power operated equipment. (R, S, T)**
21. **Can demonstrate ability to clean and maintain work area in a safe condition. (S)**