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SCOPE OF WORK PROVISIONS

FOR

STATOR REWINDER

IN

ALL LOCALITIES WITHIN THE STATE OF CALIFORNIA

United States Department of Labor
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DICTIONARY OF OCCUPATIONAL TITLES
Fourth Edition, Revised 1991

721.484-010 ELECTRIC-MOTOR WINDER (elec. equip.) alternate titles: armature-and-rotor winder; coil assembler

Assembles and tests electric motor and generator stators, armatures, or rotors: Inspects cores for defects and aligns laminations, using hammer and drift. Files burrs from core slots, using hand file, portable power file, and scraper. Lines slots with sheet insulation and inserts coils into slots. Cuts, strips, and bends wire leads at ends of coils, using pliers and wire scrapers. Twists leads together to connect coils. Taps coil and end windings to shape, using hammer and fiber block. Tests windings for motor-housing clearance, grounds, and short circuits, using clearance gauge, growler, spring-steel blade, telephone receiver, insulation tester, and resistance bridge. Winds new coils on armatures, stators, or rotors of used motors and generators. May rewind defective coils. May be designated according to motor part wound as Armature Winder (elec. equip.); Rotor Winder (elec. equip.); Stator Winder (elec. equip.). *GOE: 06.02.23 STRENGTH: M GED: R3 M2 L2 SVP: 6 DLU: 77*

O*NET 98 Occupational Definition and Tasks

93908 Coil Winders, Tapers, and Finishers

Definition Wind wire coils used in electrical components, such as resistors and transformers, and in electrical equipment and instruments, such as field cores, bobbins, armature cores, electrical motors, generators, and control equipment. May involve the use of coil-winding and coil-making machines.

Tasks

1. Operates or tends wire-coiling machine.

2. Attaches, alters and trims materials, such as wire, insulation, and coils, using hand tools.

3. Reviews work orders and specifications to ascertain material needed and type of part to be processed.

4. Observes gauges and stops machine to remove completed components, using hand tools.

5. Selects and loads materials, such as workpieces, objects, and machine parts onto equipment used in coiling process.

6. Examines and tests wired electrical components, using measuring devices.

7. Applies solutions or paints to wired electrical components, using hand tools.

8. Records production and operational data on specified forms.

9. Repairs and maintains electrical components and machinery parts, using hand tools.