

**WAC 296-17A-3602 Classification 3602.**

**3602-01 Electrical, telegraph or radio component, telephone set: Manufacture, assembly, or repair**

Applies to establishments engaged in the manufacture, assembly, or repair of components related to the telegraph, electrical, radio or telephone industry. Component parts may be for items such as, but not limited to, radio or television sets, hearing aids, transformers, coils, condensers, switches, antennae, phones, speaker units, dials, rheostats, plugs, arrestors, resistors, and electrical control relays, circuit breakers, or other parts necessary to accomplish radio, electrical, telegraph or telephone communication. Materials include, but are not limited to, metal, plastic, and wood used for the outside casings, and component parts. Some establishments in this classification manufacture the casings and the internal components. Other establishments in this classification assemble the ready-made parts with air and hand tools such as, but not limited to, drill presses, solder guns, or saws. Internal parts are usually assembled simply by clamping circuit boards in place, then soldering small pieces together. This classification includes engineers, research and laboratory personnel employed by establishments having operations subject to this classification. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

This classification excludes all outside repair work which is to be reported separately in the applicable services classification; and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

**3602-02 Instrument - Scientific, medical, or professional: Manufacturing; magnetic tape: Manufacturing**

Applies to establishments engaged in the manufacture of instruments used in medical, scientific, or professional applications. This classification also applies to establishments engaged in the manufacture of magnetic tapes. Instruments in this classification range widely in shape and size; they include, but are not limited to, dental or surgical instruments, microscopes or other scientific testing or research instruments, surveyors' instruments, and electrical testing instruments. Materials include, but are not limited to, metal, glass, plastic, or wood for casings, and component parts. Processes vary depending upon the product being produced, and could involve some stamping, machining, and heat-treating. However, component parts are usually manufactured by others, and establishments in this classification perform a substantial amount of hand assembling, inspecting, testing, and packaging operations. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

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**3602-03 Sound recording equipment: Manufacturing**

Applies to establishments engaged in the manufacture of sound recording equipment. Establishments in this classification may manufacture all or some equipment such as instruments for measuring sounds, and generators (for producing sounds), filters or modulators (for pro-

cessing sounds), magnetic or tape recorders (for storing sounds), and speakers (for reproducing sounds). Materials include, but are not limited to, metal, glass, plastic, or wood for casings, clamps, glue or epoxy, and component parts. Components may be produced by the manufacturer or purchased from others and assembled. The assembly may be partially or wholly automated. Machinery includes, but is not limited to, shears, drill presses, grinders, soldering guns, welding equipment, and air or hand tools. There may be inspection areas and sound testing rooms. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

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#### **3602-04 Thermometer and steam gauge: Manufacturing**

Applies to establishments engaged in the manufacture of thermometers and/or steam gauges. The most common type of thermometer is a mercury thermometer which consists of a capillary tube that is sealed at its upper end and is enlarged into a spherical or cylindrical bulb at its lower end. This bulb is filled with mercury and mounted on a thin metal or plastic sheet. The manufacturers of steam gauges may simply assemble component parts with hand tools, test, and package them. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

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#### **3602-05 Dental laboratories**

Applies to establishments engaged in the manufacture of dentures, artificial teeth, braces, and retainers. These types of establishments are generally referred to as dental laboratories. The manufacture of these items involves precision work with castings, plastic or vinyl molding, and light wire forming. In the state of Washington dental laboratories can fit patients for dentures, in addition to making the denture which is included when performed by employees of employers subject to this classification. This is a shop only classification. Repair work when specified is limited to work performed at the shop. Shops may include kiosks in malls that make custom dental molds used in tooth whitening treatments.

This classification excludes all outside repair work which is to be reported separately in the applicable services classification, and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

#### **3602-06 Jewelry: Manufacturing or engraving; trophy assembly or engraving**

Applies to establishments engaged in the manufacture or engraving of jewelry, such as, but not limited to, rings, bracelets, necklaces, earrings, watchbands, pins, brooches, and cigarette lighters. Jewelry manufacturing or engraving involves working with precious metal and/or stones. Operations usually include polishing, buffing, drilling, and assembly, mixing and melting alloys and metals, then pouring the mix-

ture into small casts. This classification also applies to establishments engaged in assembling or engraving trophies on a production basis. For purposes of this classification, assembly means making trophies from premanufactured components purchased from others. The engraving may be done by "etching" or by computer. In the etching method, patterns or lettering are cut into a metal strip that is coated with a solution resistant to etching acids. The metal strip is treated with etching acids that "melt away" the uncoated portion of metal, leaving an impression of the design. Computerized engraving is done by keying the designs or letters into the computer; the designs are transmitted to an "arm" on the computer which "draws" (engraves) them onto the metal plate. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

This classification excludes all outside repair work which is to be reported separately in the applicable services classification; the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used; and establishments engaged in the manufacture of watches which are to be reported separately in classification 3602-09.

**Special note:** This classification is for manufacturers engaged in the mass production of jewelry items and is distinguishable from jewelry stores reported in classification 6308 that produce custom, one-of-a-kind pieces on a special order basis. Trophy stores in classification 6308 may assemble components to make custom trophies, or engrave plaques for the trophies they sell. Assembly and engraving that is incidental to their retail sales operation is included in their store classification.

### **3602-07 Electronic parts: Assembly**

Applies to establishments engaged in the assembly of electronic parts which are usually sold to other manufacturers. They may have automated/robotics assembly lines for all or part of the processes. In manual operations, small parts are soldered, chipped, riveted, or screwed into place with hand tools such as, but not limited to, soldering guns, riveters, drills, screw drivers, or water jets. This classification also applies to establishments engaged in the manufacture or assembly of computers and the manufacture of dry cell (flashlight type) batteries. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

This classification excludes all outside repair work which is to be reported separately in the applicable services classification, and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

### **3602-08 Electrical/electronic ignition assembly, cord set, or radio set: Assembly**

Applies to establishments engaged in the assembly of electrical/electronic ignition assemblies, cord sets, and radio set components. An ignition assembly is a switching component that allows an electrical circuit to be completed in order to start a piece of machinery or equipment. Electrical cord sets are the portion of wiring found on appliances and tools that plug into electrical power sources. A radio set is comprised of an input circuit for tuning in to the frequencies of the various transmitters to be received, the demodulation circuit

for separating the audio-frequency from the high-frequency carrier, a low-frequency amplifier stage, and the loudspeaker. The amplifier elements are transistors supplied with the necessary operating voltages. Establishments in this classification usually assemble radio component parts and circuit boards that are manufactured by others. The assembly is accomplished by soldering, clipping, riveting, and welding the parts into place. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

This classification excludes all outside repair work which is to be reported separately in the applicable services classification, and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

### **3602-09 Watch: Manufacturing**

Applies to establishments engaged in the manufacture of watches. The component parts are usually mass produced on an assembly line. Watch cases are usually made from sheet metal or plastic; watch faces are made from plastic or glass. The internal works are very small gears or springs and/or computer chips. The face may have hands and a dial, or may consist of a light emitting diode (LED). This classification includes the manufacture of internal works of clocks. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

This classification excludes establishments engaged in the manufacture of jewelry which are to be reported separately in classification 3602-06; establishments engaged in the manufacture of wooden housings or casings for clocks such as grandfather and mantle types which are to be reported separately in classification 2905; all outside repair work which is to be reported separately in the applicable services classification; and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

### **3602-10 Camera, video camcorder, motion picture projectors: Manufacturing, assembly, or repair**

Applies to establishments engaged in the manufacture, assembly, or repair of cameras, video camcorders, and motion picture projectors. Materials include, but are not limited to, metals, plastics, glass and internal components. Machinery includes, but is not limited to, punch presses, drill presses, and soldering guns. Establishments in this classification often assemble products from internal components manufactured by others. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

This classification excludes all outside repair work which is to be reported separately in the applicable services classification, and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

**Special note:** When an establishment subject to this classification has a retail store, if all the conditions of the general reporting rules covering the operation of a secondary business have been met, then both classifications 6411 and 3602-10 may be assigned. Otherwise, all operations are to be reported in the highest rated classification of the two.

### **3602-11 Fishing tackle: Manufacturing or assembly**

Applies to establishments engaged in the manufacture or assembly of fishing tackle. For purposes of this classification, the term fishing tackle is limited to lures, spinners, spoons, flies, plugs, sinkers, artificial bait and similar items. Work contemplated by this classification includes the receipt of supplies such as wire, hooks, spoons, swivels, beads and feathers, and other components from unrelated manufacturers and distributors, hand assembly of components into finished fishing tackle, painting spoons and plug bodies, packaging and shipping. This classification also contemplates testing of products and research and development of new products. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

This classification excludes the manufacture of items such as, but not limited to, reels, poles, nets, tackle boxes, knives, melting pots, plastic beads, wooden or plastic plug bodies, hand tools (pliers, bench vise), molds, specialty clothing or protective gear which are to be reported separately in the classification applicable to the material and process used to produce the product; and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

**Special note:** Care should be taken when assigning this classification to verify that the product being manufactured is compatible with the manufacturing and assembly processes contemplated within this classification. Most fishing tackle subject to this classification is hand assembled from small component parts.

### **3602-12 Incandescent lamp or electric tube: Manufacturing**

Applies to establishments engaged in the manufacture of electrical or gas-filled bulbs or tubes such as, but not limited to, incandescent lamps, photoflash lamps, flood lamps, fluorescent tubes, X-ray tubes, cathode-ray tubes, neon tubes or artistic style neon tube signs that are not attached to metal backings. The processes and equipment will vary somewhat depending on the type of electrical bulb, tube, or lamp being made, but the basic operation is the same. Component parts such as, but not limited to, glass bulbs, globes, or tubes, tungsten wire, metal bases, shellac, and nitrogen and argon gas are purchased from outside sources. Using flange machines, the bottom of the glass tubing is fused to the flange to produce the base that is used within the bulb or globe. Metal bases may be milled, and then coated with a sealing compound such as shellac. Mounts are assembled and inserted into the flange on stem machines. The assemblies are seared together, and then the tungsten filaments are fixed between support wires forming the stem. The bulbs or globes are flushed with nitrogen to expel any moisture before the stems are inserted into them. These units are inserted into the metal bases and cemented. Air is evacuated and argon gas is pumped into the bases, after which they are heat sealed and trimmed. Neon tube signs or displays are made by heating a thin tube of glass over a ribbon flame until the tube becomes flexible, blowing air into the tube to keep the glass from collapsing, then, while it is still hot, bending it to shape. Because the glass cools rapidly, the heating and bending is repeated until the desired shape is achieved, then the tube is filled with neon or argon gas and the ends sealed.

This classification excludes establishments engaged in the manufacture of metal fixtures equipped with electrical or gas lighting which are to be reported separately in classification 3402; all out-

side repair work which is to be reported separately in the applicable services classification; and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

**3602-14 Musical instrument - Metal: Repair**

Applies to establishments engaged in the repair of metal musical instruments which include, but are not limited to, trumpets, trombones, French horns, and tubas. The operations involve primarily hand work such as, but not limited to, brazing and soldering, as well as fitting, testing, and polishing the instruments. Tools include, but are not limited to, solder or brazing guns, lathes, drill presses, and various types of saws. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

This classification excludes all outside repair work which is to be reported separately in the applicable services classification; the repair of wood musical instruments which is to be reported separately in classification 2906; and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

**3602-23 Electronics products - Resistors, capacitors, chips and relays, transistors: Manufacturing**

Applies to establishments engaged in the manufacture of resistors, capacitors, chips, relays, and transistors which are usually tiny and delicate. Products manufactured in this classification are usually mass produced with little human intervention during the production process, which is often done in a vacuum or a nitrogen filled room. Materials include, but are not limited to, silicon, wires, and plastics. In addition to the automated equipment, hand-held tools include, but are limited to, pliers, wrenches, and soldering guns. Finished products are inspected, usually through powerful microscopes, then packaged and shipped. This is a shop or plant only classification. Repair work, when specified, is limited to work performed at the shop or plant.

This classification excludes all outside repair work which is to be reported separately in the applicable services classification, and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

**3602-24 Stamped metal goods: Manufacturing**

Applies to establishments engaged in the manufacture of small, stamped, metal goods such as, but not limited to, metal tags, buttons, zippers, bottle caps, fasteners, snaps, clasps, buckles, and curtain fasteners. Materials, which come in coils or strips, are run through presses. Most of the stamping is done on automatic stamping presses. Products are cut, stamped, formed, trimmed, and cleaned, then usually finished by plating or lacquering. This is a shop or plant only classification. Repair work, when specified, is limited to work performed at the shop or plant.

This classification excludes the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

### **3602-27 Electronic circuit board, N.O.C: Assembly**

Applies to establishments engaged in the assembly of electronic circuit boards not covered by another classification (N.O.C.) which are used in a wide variety of electronic and automotive products. The process usually begins by cutting boards to size with power saws, then drilling or punching holes in them with automated drills or punches. Depending upon the original materials used, the boards used for the base may be coated or dipped. Then the chips, transistors, resistors, and/or condensers are installed, usually as part of an assembly line process. Next, the circuit boards are dipped and coated with a thin metal. Finished products are inspected, tested, packaged and shipped. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

This classification excludes all outside repair work which is to be reported separately in the applicable services classification, and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

### **3602-28 Stereo components: Manufacturing or assembly**

Applies to establishments engaged in the manufacture or assembly of stereo components such as, but not limited to, record changers, disc or video players, receivers and amplifiers. Materials include, but are not limited to, circuit boards, resistors, drivers, baffle plates, chambers, trim/rings, and grills. Equipment includes, but is not limited to, hot glue guns, electric drills, electric screw drivers, and automated assembly or manufacturing equipment. Finished products are inspected, tested, packaged and shipped. This is a shop or plant only classification. Repair work when specified is limited to work performed at the shop or plant.

This classification excludes all outside repair work which is to be reported separately in the applicable services classification, and the production of raw materials used in the manufacturing of the above articles which is to be reported separately in the classification applicable to the production process used.

[Statutory Authority: RCW 51.04.020 and 51.16.035. WSR 18-11-113, § 296-17A-3602, filed 5/22/18, effective 7/1/18. Statutory Authority: RCW 51.04.020, 51.16.035, and 51.16.100. WSR 12-11-109, § 296-17A-3602, filed 5/22/12, effective 7/1/12. WSR 07-01-014, recodified as § 296-17A-3602, filed 12/8/06, effective 12/8/06. Statutory Authority: RCW 51.16.035, 51.16.100. WSR 06-12-075, § 296-17-594, filed 6/6/06, effective 1/1/07. Statutory Authority: RCW 51.04.020, 51.16.035, and 51.12.120. WSR 03-23-025, § 296-17-594, filed 11/12/03, effective 1/1/04. Statutory Authority: RCW 51.16.035. WSR 98-18-042, § 296-17-594, filed 8/28/98, effective 10/1/98; WSR 96-12-039, § 296-17-594, filed 5/31/96, effective 7/1/96. Statutory Authority: RCW 51.04.020(1) and 51.16.035. WSR 93-12-093, § 296-17-594, filed 5/31/93, effective 7/1/93. Statutory Authority: RCW 51.16.035. WSR 88-12-050 (Order 88-06), § 296-17-594, filed 5/31/88, effective 7/1/88; WSR 85-24-032 (Order 85-33), § 296-17-594, filed 11/27/85, effective 1/1/86; WSR 85-06-026 (Order 85-7), § 296-17-594, filed 2/28/85, effective 4/1/85; WSR 83-24-017 (Order 83-36), § 296-17-594, filed 11/30/83, effective 1/1/84; WSR 82-24-047 (Order 82-38), § 296-17-594, filed 11/29/82, effective 1/1/83; WSR 81-24-042 (Order 81-30), § 296-17-594, filed 11/30/81, effective 1/1/82; WSR 80-17-016 (Order 80-23), § 296-17-594, filed 11/13/80, effective 1/1/81. Statu-

tory Authority: RCW 51.04.030 and 51.16.035. WSR 79-12-086 (Order 79-18), § 296-17-594, filed 11/30/79, effective 1/1/80; Order 75-38, § 296-17-594, filed 11/24/75, effective 1/1/76; Order 73-22, § 296-17-594, filed 11/9/73, effective 1/1/74.]