

ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS
AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS,
AND PARTS AND ACCESSORIES OF SUCH ARTICLES

Notes

1. This chapter does not cover:
 - (a) Electrically warmed blankets, bed pads, foot-muffs or the like; electrically warmed clothing, footwear or ear pads or other electrically warmed articles worn on or about the person;
 - (b) Articles of glass of heading 7011; or
 - (c) Electrically heated furniture of chapter 94.
2. Headings 8501 to 8504 do not apply to goods described in heading 8511, 8512, 8540, 8541 or 8542. However, metal tank mercury arc rectifiers remain classified in heading 8504.
3. Heading 8509 covers only the following electromechanical machines of the kind commonly used for domestic purposes:
 - (a) Vacuum cleaners, floor polishers, food grinders, processors or mixers, and fruit or vegetable juice extractors, of any weight;
 - (b) Other machines provided the weight of such machines does not exceed 20 kg, exclusive of extra interchangeable parts or detachable auxiliary devices.

The heading does not, however, apply to fans or ventilating or recycling hoods incorporating a fan, whether or not fitted with filters (heading 8414), centrifugal clothes dryers (heading 8421), dishwashing machines (heading 8422), household washing machines (heading 8450), roller or other ironing machines (heading 8420 or 8451), sewing machines (heading 8452), electric scissors (heading 8508) or to electrothermic appliances (heading 8516).

4. For the purposes of heading 8534 "printed circuits" are circuits obtained by forming on an insulating base, by any printing process (for example, embossing, plating-up, etching) or by the "film circuit" technique, conductor elements, contacts or other printed components (for example, inductances, resistors, capacitors) alone or interconnected according to a pre-established pattern, other than elements which can produce, rectify, modulate or amplify an electrical signal (for example, semiconductor elements).

The term "printed circuits" does not cover circuits combined with elements other than those obtained during the printing process. Printed circuits may, however, be fitted with non-printed connecting elements.

Thin- or thick-film circuits comprising passive and active elements obtained during the same technological process are to be classified in heading 8542.

5. For the purposes of headings 8541 and 8542:
 - (a) "Diodes, transistors and similar semiconductor devices" are semiconductor devices the operation of which depends on variations in resistivity on the application of an electric field;
 - (b) "Electronic integrated circuits and microassemblies" are:
 - (i) Monolithic integrated circuits in which the circuit elements (diodes, transistors, resistors, capacitors, interconnections, etc.) are created in the mass (essentially) and on the surface of a semiconductor material (doped silicon, for example) and are inseparably associated;
 - (ii) Hybrid integrated circuits in which passive elements (resistors, capacitors, interconnections, etc.) obtained by thin- or thick-film technology and active elements (diodes, transistors, monolithic integrated circuits, etc.) obtained by semiconductor technology, are combined to all intents and purposes indivisibly, on a single insulating substrate (glass, ceramic, etc.). These circuits may also include discrete components;
 - (iii) Microassemblies of the molded module, micromodule or similar types, consisting of discrete, active or both active and passive, components which are combined and interconnected.

For the classification of the articles defined in this note, headings 8541 and 8542 shall take precedence over any other heading in the tariff schedule which might cover them by reference to, in particular, their function.

6. Records, tapes and other media of heading 8523 or 8524 remain classified in those headings, whether or not they are entered with the apparatus for which they are intended.

Additional U.S. Notes

1. For the purposes of headings 8501 and 8503, 746 watts (W) is taken to be equivalent to 1 horsepower (hp).
2. For the purposes of subheading 8516.72, the term "toasters" includes toaster-ovens which are designed essentially for toasting bread but can also bake small items, such as potatoes.
3. For the purposes of heading 8525 the term "transceivers" refers to combinations of radio transmitting and receiving equipment in a common housing, employing common circuit components for both transmitting and receiving, and which are not capable of simultaneously receiving and transmitting.
4. For the purposes of subheading 8529.90.15 and 8529.90.20:
 - (a) Each subassembly that contains as a component, or is covered in the same entry with, one or more of the following television components, viz.,

tuner, channel selector assembly, antenna, deflection yoke, degaussing coil, picture tube mounting bracket, grounding assembly, parts necessary for fixing the picture tube or tuner in place, consumer-operated controls or speaker,

shall be classified in subheading 8529.90.15; and
 - (b) Each subassembly shall be counted as a single unit, except that two or more different printed circuit boards or ceramic substrates covered by the same entry and designed for assembly into the same television models shall be counted as one unit.
5. Picture tubes imported in combination with, or incorporated into, other articles are to be classified in subheadings 8540.11 through 8540.12, inclusive, unless they are--
 - (a) incorporated into complete television receivers, as defined in additional U.S. note 6 below;
 - (b) incorporated into fully assembled units such as word processors, ADP terminals, or similar articles;
 - (c) put up in kits containing all the parts necessary for assembly into complete television receivers, as defined in additional U.S. note 6 below; or
 - (d) put up in kits containing all the parts necessary for assembly into fully assembled units such as word processors, ADP terminals, or similar articles.
6. For the purposes of additional U.S. note 5 above the term "complete television receivers" means television receivers, fully assembled in their cabinets, whether or not packaged or tested for distribution to the ultimate purchaser(s).

Statistical Notes

1. For the purposes of heading 8528 the video display diagonal is determined by measuring the maximum straight line dimension across that part of the faceplate used for displaying video.
2. For the purposes of this chapter the terms "AM" and "FM" refer to the entertainment broadcast bands of 550-1650 kHz and 88-108 MHz, respectively.
3. For statistical reporting purposes under subheading 8539.10, the size of a sealed beam lamp unit is determined by measuring the largest diagonal dimension across the faceplate.
4. For statistical reporting purposes under subheading 8544.70, the unit of quantity "fiber m", as it pertains to optical fiber cables, is determined by multiplying the number of individual fibers contained therein by the length in meters.
5. For statistical reporting purposes under subheadings 8525.10.60, 8525.20.30 and 8527.90.80, the lowest operating frequency will determine the classification.
6. For statistical reporting purposes in subheading 8542.11.00 the following definitions will apply:
 - (a) The term "static read-write random access (SRAM)" refers to integrated circuit memory devices in which the memory cells may be addressed in any sequence, randomly, for the storage or retrieval of data and in which in which the stored information is retained without further intervention as long as electric power is supplied to the device.
 - (b) The term "volatile memory" refers to integrated circuit memory devices which lose all stored information in the absence of electric power.
 - (c) The term "dynamic read-write random access (DRAM)" refers to integrated circuit memory devices in which the memory cells may be addressed in any sequence, randomly, for the storage or retrieval of data and in which the stored information must continually be refreshed in order to hold the information in memory.
 - (d) The term "electrically erasable programmable read-only memory (EEPROM)" refers to user programmable integrated circuit memory devices which retain the stored information in the absence of electric power and in which the stored information may be altered electrically.
 - (e) The term "erasable (except electrically) programmable read-only memory (EPROM)" refers to user programmable integrated circuit memory devices which retain the stored information in the absence of electric power and from which the stored information may be removed (except electrically). Such devices are usually erased by exposure to ultraviolet light after which they may be rewritten with new information.
 - (f) The term "microprocessor" refers to a central processing unit (CPU) fabricated as a monolithic integrated circuit.

| | | | | | | |
|------------|------|---|---------|------|----------------------|-----|
| 8501 | | Electric motors and generators (excluding generating sets): | | | | |
| 8501.10 | | Motors of an output not exceeding 37.5 W: | | | | |
| | | Of under 18.65 W: | | | | |
| 8501.10.20 | 00 1 | Synchronous, valued not over \$4 each..... | No..... | 10% | Free (A,B,E,IL) | 90% |
| | | | | | 6% (CA) | |
| 8501.10.40 | | Other..... | | 6.6% | Free (A,B,E,IL) | 35% |
| | | | | | 3.9% (CA) | |
| | 20 3 | AC..... | No. | | | |
| | | DC: | | | | |
| | 40 9 | Brushless..... | No. | | | |
| | 60 4 | Other..... | No. | | | |
| | 80 0 | Other..... | No. | | | |
| 8501.10.60 | | Of 18.65 W or more but not exceeding 37.5 W..... | | 4.2% | Free (A,B,E,IL) | 35% |
| | | | | | 2.5% (CA) | |
| | 20 8 | AC..... | No. | | | |
| | | DC: | | | | |
| | 40 4 | Brushless..... | No. | | | |
| | 60 9 | Other..... | No. | | | |
| | 80 5 | Other..... | No. | | | |
| 8501.20 | | Universal AC/DC motors of an output exceeding 37.5 W: | | | | |
| 8501.20.20 | 00 9 | Exceeding 37.5 W but not exceeding 74.6 W..... | No..... | 4.2% | Free (A,B,E,IL) | 35% |
| | | | | | 0.8% (CA) | |
| 8501.20.40 | 00 5 | Exceeding 74.6 W but not exceeding 735 W..... | No..... | 5% | Free (A,B,E,IL) | 35% |
| | | | | | 1% (CA) | |
| 8501.20.50 | 00 2 | Exceeding 735 W but under 746 W..... | No..... | 5% | Free (A,B,C,E,IL) | 35% |
| | | | | | 1% (CA) | |
| 8501.20.60 | 00 0 | Other..... | No..... | 3.7% | Free (A,B,C,E,IL) | 35% |
| | | | | | 0.7% (CA) | |
| | | Other DC motors; DC generators: | | | | |
| 8501.31 | | Of an output not exceeding 750 W: | | | | |
| | | Motors: | | | | |
| 8501.31.20 | 00 6 | Exceeding 37.5 W but not exceeding 74.6 W..... | No..... | 4.2% | Free (A,B,E,IL) | 35% |
| | | | | | 0.8% (CA) | |
| 8501.31.40 | 00 2 | Exceeding 74.6 W but not exceeding 735 W..... | No..... | 5% | Free (A,B,E,IL) | 35% |
| | | | | | 1% (CA) | |
| 8501.31.50 | 00 9 | Exceeding 735 W but under 746 W..... | No..... | 5% | Free (A,B,C,E,IL) | 35% |
| | | | | | 1% (CA) | |
| 8501.31.60 | 00 7 | Other..... | No..... | 3.7% | Free (A,B,C,E,IL) | 35% |
| | | | | | 0.7% (CA) | |
| 8501.31.80 | 00 3 | Generators..... | No..... | 3% | Free (A,B,C,CA,E,IL) | 35% |
| 8501.32 | | Of an output exceeding 750 W but not exceeding 75 kW: | | | | |
| | | Motors: | | | | |
| 8501.32.20 | 00 5 | Exceeding 750 W but not exceeding 14.92 kW..... | No..... | 3.7% | Free (A,B,C,CA,E,IL) | 35% |
| 8501.32.40 | | Other..... | | Free | | 35% |
| | 20 7 | For use in civil aircraft. | No. | | | |
| | 40 3 | Other..... | No. | | | |
| 8501.32.60 | 00 6 | Generators..... | No..... | 3% | Free (A,B,C,CA,E,IL) | 35% |

| | | | | | | |
|----------------|------|--|---------|------|--|-----|
| 8501 (con.) | | Electric motors and generators (excluding generating sets) (con.): | | | | |
| 8501.33 | | Other DC motors; DC generators (con.): | | | | |
| | | Of an output exceeding 75 kW but not exceeding 375 kW: | | | | |
| | | Motors: | | | | |
| 8501.33.20 | | Exceeding 75 kW but under 149.2 kW..... | No. | Free | | 35% |
| | 40 6 | For use in civil aircraft. | No. | | | |
| | 80 7 | Other..... | No. | | | |
| 8501.33.30 | 00 2 | 149.2 kW or more but not exceeding 150 kW..... | No..... | 4.2% | Free (A,C,E,IL) 0.8% (CA) <u>1/</u> | 35% |
| 8501.33.40 | | Other..... | | 4.2% | Free (A,E,IL) 0.8% (CA) <u>1/</u> | 35% |
| | 40 2 | Not exceeding 373 kW..... | No. | | | |
| | 60 7 | Other..... | No. | | | |
| 8501.33.60 | 00 5 | Generators..... | No..... | 3% | Free (A,B,C,E,IL) 0.6% (CA) | 35% |
| 8501.34 | | Of an output exceeding 375 kW: | | | | |
| 8501.34.30 | 00 1 | Motors..... | No..... | 4.2% | Free (A,E,IL) 0.8% (CA) <u>1/</u> | 35% |
| 8501.34.60 | 00 4 | Generators..... | No..... | 3% | Free (A,B,C,E,IL) 0.6% (CA) | 35% |
| 8501.40 | | Other AC motors, single-phase: | | | | |
| 8501.40.20 | | Of an output exceeding 37.5 W but not exceeding 74.6 W..... | | 4.2% | Free (A,B,E,IL) 2.5% (CA) | 35% |
| | 20 1 | Gear motors..... | No. | | | |
| | 40 7 | Other..... | No. | | | |
| 8501.40.40 | | Of an output exceeding 74.6 W but not exceeding 735 W..... | | 5% | Free (A*,B,E,IL) 3% (CA) | 35% |
| | 20 7 | Gear motors..... | No. | | | |
| | 40 3 | Other..... | No. | | | |
| 8501.40.50 | | Of an output exceeding 735 W but under 746 W..... | | 5% | Free (A,B,C,E,IL) 3% (CA) | 35% |
| | 20 4 | Gear motors..... | No. | | | |
| | 40 0 | Other..... | No. | | | |
| 8501.40.60 | | Other..... | | 3.7% | Free (A*,B,C,E,IL) 2.2% (CA) | 35% |
| | 20 2 | Gear motors..... | No. | | | |
| | 40 8 | Other..... | No. | | | |
| 8501.51 | | Other AC motors, multi-phase: | | | | |
| 8501.51.20 | | Of an output not exceeding 750 W: Exceeding 37.5 W but not exceeding 74.6 W..... | | 4.2% | Free (A,B,E,IL) 2.5% (CA) <u>1/</u> | 35% |
| | 20 7 | Gear motors..... | No. | | | |
| | 40 3 | Other..... | No. | | | |
| 8501.51.40 | | Exceeding 74.6 W but not exceeding 735 W..... | | 5% | Free (A,B,E,IL) 3% (CA) <u>1/</u> | 35% |
| | 20 3 | Gear motors..... | No. | | | |
| | 40 9 | Other..... | No. | | | |
| 8501.51.50 | | Exceeding 735 W but under 746 W..... | | 5% | Free (A,B,C,E,IL) 3% (CA) <u>1/</u> | 35% |
| | 20 0 | Gear motors..... | No. | | | |
| | 40 6 | Other..... | No. | | | |
| 8501.51.60 | | Other..... | | 3.7% | Free (A,B,C,E,IL) 2.2% (CA) <u>1/</u> | 35% |
| | 20 8 | Gear motors..... | No. | | | |
| | 40 4 | Other..... | No. | | | |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.05.

| | | | | | | |
|----------------|---|---------|------|---|-----|--|
| 8501 (con.) | Electric motors and generators (excluding generating sets) (con.): | | | | | |
| | Other AC motors, multi-phase (con.): | | | | | |
| 8501.52 | Of an output exceeding 750 W but not exceeding 75 kW: | | | | | |
| 8501.52.40 | Exceeding 750 W but not exceeding 14.92 kW..... | No..... | 3.7% | Free (A, B, C, E, IL) 2.2% (CA) | 35% | |
| 8501.52.80 | Other..... | | Free | | 35% | |
| 20 3 | For use in civil aircraft..... | No. | | | | |
| 40 9 | Other..... | No. | | | | |
| 8501.53 | Of an output exceeding 75 kW: | | | | | |
| 8501.53.40 | Exceeding 75 kW but under 149.2 kW.. | ..... | Free | | 35% | |
| 40 7 | For use in civil aircraft..... | No. | | | | |
| 80 8 | Other..... | No. | | | | |
| 8501.53.60 | 149.2 kW or more but not exceeding 150 kW..... | ..... | 4.2% | Free (A, C, E, IL) 0.8% (CA) <u>1/</u> | 35% | |
| 8501.53.80 | Other..... | ..... | 4.2% | Free (A, E, IL) 0.8% (CA) <u>1/</u> | 35% | |
| 40 8 | Not exceeding 373 kW..... | No. | | | | |
| 60 3 | Other..... | No. | | | | |
| | AC generators (alternators): | | | | | |
| 8501.61.00 | Of an output not exceeding 75 kVA..... | No..... | 3% | Free (A, B, C, CA, E, IL) | 35% | |
| 8501.62.00 | Of an output exceeding 75 kVA but not exceeding 375 kVA..... | No..... | 3% | Free (A, B, C, CA, E, IL) | 35% | |
| 8501.63.00 | Of an output exceeding 375 kVA but not exceeding 750 kVA..... | No..... | 3% | Free (A, B, C, E, IL) 0.6% (CA) | 35% | |
| 8501.64.00 | Of an output exceeding 750 kVA..... | ..... | 3% | Free (A, B, E, IL) 0.6% (CA) <u>1/</u> | 35% | |
| 20 6 | Exceeding 750 kVA but not exceeding 10,000 kVA..... | No. | | | | |
| 30 4 | Exceeding 10,000 kVA but not exceeding 40,000 kVA..... | No. | | | | |
| 50 9 | Other..... | No. | | | | |
| 8502 | Electric generating sets and rotary converters: | | | | | |
| | Generating sets with compression-ignition internal combustion piston engines (diesel or semi-diesel engines): | | | | | |
| 8502.11.00 | Of an output not exceeding 75 kVA..... | No..... | 3% | Free (A, B, C, E, IL) 0.6% (CA) | 35% | |
| 8502.12.00 | Of an output exceeding 75 kVA but not exceeding 375 kVA..... | No..... | 3% | Free (A, B, C, E, IL) 0.6% (CA) | 35% | |
| 8502.13.00 | Of an output exceeding 375 kVA..... | ..... | 3% | Free (A, B, C, E, IL) 0.6% (CA) | 35% | |
| 20 7 | Exceeding 375 kVA but not exceeding 1,000 kVA..... | No. | | | | |
| 40 3 | Exceeding 1,000 kVA..... | No. | | | | |
| 8502.20.00 | Generating sets with spark-ignition internal combustion piston engines..... | ..... | 3% | Free (A, B, C, E, IL) 0.6% (CA) | 35% | |
| 30 6 | Of an output under 1.5 kW..... | No. | | | | |
| 60 9 | Of an output 1.5 kW or greater but not exceeding 5 kW..... | No. | | | | |
| 80 5 | Of an output exceeding 5 kW..... | No. | | | | |
| 8502.30.00 | Other generating sets..... | No..... | 3% | Free (A, B, C, E, IL) 0.6% (CA) | 35% | |
| 8502.40.00 | Electric rotary converters..... | No..... | 3% | Free (A, B, C, E, IL) 0.6% (CA) | 35% | |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheadings 9905.85.05 and 9905.85.06.

| | | | | | | |
|------------|--|--|---------|--------------|--|-----|
| 8503.00 | Parts suitable for use solely or principally with the machines of heading 8501 or 8502: | | | | | |
| 8503.00.20 | 00 1 | Commutators..... | No..... | 3.7% | Free (A,B,E,IL) 0.7% (CA) <u>1/</u> | 35% |
| 8503.00.40 | 00 7 | Parts of motors of under 18.65 W (other than commutators)..... | X..... | 10% | Free (A,B,E,IL) 6% (CA) <u>1/</u> | 90% |
| 8503.00.60 | | Other..... | | 3% <u>2/</u> | Free (A,B,E,IL) 0.6% (CA) <u>1/</u> | 35% |
| | 20 8 | Parts of motors (other than commutators and parts of motors of under 18.65 W)..... | X | | | |
| | 40 4 | Parts of generators (other than commutators)..... | X | | | |
| | 60 9 | Other..... | X | | | |
| 8504 | Electrical transformers, static converters (for example, rectifiers) and inductors; parts thereof: | | | | | |
| 8504.10.00 | 00 2 | Ballasts for discharge lamps or tubes..... | No..... | 3% | Free (A,B,C,E,IL) 1.8% (CA) | 35% |
| 8504.21.00 | | Liquid dielectric transformers: Having a power handling capacity not exceeding 650 kVA..... | | 2.4% | Free (A,E,IL) 1.4% (CA) | 35% |
| | 20 5 | Having a power handling capacity not exceeding 50 kVA..... | No. | | | |
| | 40 1 | Having a power handling capacity exceeding 50 kVA but not exceeding 100 kVA..... | No. | | | |
| | 60 6 | Having a power handling capacity exceeding 100 kVA but not exceeding 500 kVA..... | No. | | | |
| | 80 2 | Having a power handling capacity exceeding 500 kVA but not exceeding 650 kVA..... | No. | | | |
| 8504.22.00 | | Having a power handling capacity exceeding 650 kVA but not exceeding 10,000 kVA..... | | 2.4% | Free (A,E,IL) 1.4% (CA) | 35% |
| | 40 0 | Having a power handling capacity exceeding 650 kVA but not exceeding 2,500 kVA..... | No. | | | |
| | 80 1 | Having a power handling capacity exceeding 2,500 kVA but not exceeding 10,000 kVA..... | No. | | | |
| 8504.23.00 | | Having a power handling capacity exceeding 10,000 kVA..... | | 2.4% | Free (A,E,IL) 1.4% (CA) <u>3/</u> | 35% |
| | 40 9 | Having a power handling capacity exceeding 10,000 kVA but not exceeding 100,000 kVA..... | No. | | | |
| | 80 0 | Having a power handling capacity exceeding 100,000 kVA..... | No. | | | |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.10.

2/ Duty on parts of generators for aircraft temporarily suspended. See heading 9902.85.03.

3/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.15.

| | | | | | | | |
|----------------|---|---------|--------------|------|-------------------|-----|--|
| 8504 (con.) | Electrical transformers, static converters (for example, rectifiers) and inductors; parts thereof (con.): | | | | | | |
| | Other transformers: | | | | | | |
| 8504.31 | Having a power handling capacity not exceeding 1 kVA: | | | | | | |
| 8504.31.20 | 00 3 Unrated..... | No..... | 2.4% | Free | (A, B, C, E, IL) | 35% | |
| | | | | 1.4% | (CA) <u>1/</u> | | |
| | Other: | | | | | | |
| 8504.31.40 | Having a power handling capacity less than 1 kVA..... | | 6.6% | Free | (A, B, C, E, IL) | 35% | |
| | | | | 3.9% | (CA) <u>1/</u> | | |
| | 30 3 Having a power handling capacity less than 40 VA..... | No. | | | | | |
| | 60 6 Having a power handling capacity 40 VA or greater..... | No. | | | | | |
| 8504.31.60 | 00 4 Having a power handling capacity of 1 kVA..... | No..... | 2.4% | Free | (A, B, C, E, IL) | 35% | |
| | | | | 1.4% | (CA) <u>1/</u> | | |
| 8504.32.00 | 00 6 Having a power handling capacity exceeding 1 kVA but not exceeding 16 kVA..... | No..... | 2.4% | Free | (A, B, C, E, IL) | 35% | |
| | | | | 1.4% | (CA) | | |
| 8504.33.00 | Having a power handling capacity exceeding 16 kVA but not exceeding 500 kVA..... | | 2.4% | Free | (A, B, C, E, IL) | 35% | |
| | | | | 1.4% | (CA) | | |
| | 20 1 Having a power handling capacity exceeding 16 kVA but not exceeding 50 kVA..... | No. | | | | | |
| | 40 7 Having a power handling capacity exceeding 50 kVA but not exceeding 500 kVA..... | No. | | | | | |
| 8504.34.00 | 00 4 Having a power handling capacity exceeding 500 kVA..... | No..... | 2.4% | Free | (A, B, E, IL) | 35% | |
| | | | | 1.4% | (CA) | | |
| 8504.40.00 | Static converters..... | | 3% <u>2/</u> | Free | (A*, B, C, E, IL) | 35% | |
| | | | | 0.6% | (CA) | | |
| | Rectifiers and rectifying apparatus: | | | | | | |
| | Power supplies: | | | | | | |
| | 04 2 With a power output not exceeding 50 W..... | No. | | | | | |
| | 08 8 With a power output exceeding 50 W but not exceeding 150 W.. | No. | | | | | |
| | 10 4 With a power output exceeding 150 W but not exceeding 500 W.. | No. | | | | | |
| | 15 9 Other..... | No. | | | | | |
| | 25 7 Other..... | X | | | | | |
| | 40 8 Inverters..... | No. | | | | | |
| | 60 3 Other..... | X | | | | | |
| 8504.50.00 | 00 3 Other inductors..... | No..... | 3% | Free | (A, B, C, E, IL) | 35% | |
| | | | | 1.8% | (CA) | | |
| 8504.90.00 | Parts..... | | 3% | Free | (A, B, E, IL) | 35% | |
| | | | | 0.6% | (CA) <u>3/</u> | | |
| | Ferrites: | | | | | | |
| | 10 3 For transformers..... | No. | | | | | |
| | 30 9 Other..... | No. | | | | | |
| | Other parts: | | | | | | |
| | 40 7 Of transformers..... | X | | | | | |
| | 50 4 Of static converters..... | X | | | | | |
| | 90 6 Other..... | X | | | | | |

1/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

2/ Duty certain electrical adapters temporarily suspended. See headings 9902.85.25 and 9902.85.26.

3/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.20.

| | | | | | | |
|------------|------|--|---------|------|---------------------|-----|
| 8505 | | Electromagnets; permanent magnets and articles intended to become permanent magnets after magnetization; electromagnetic or permanent magnet chucks, clamps and similar holding devices; electromagnetic couplings, clutches and brakes; electromagnetic lifting heads; parts thereof: | | | | |
| | | Permanent magnets and articles intended to become permanent magnets after magnetization: | | | | |
| 8505.11.00 | 00 0 | Of metal..... | No..... | 3.2% | Free (A,B,CA,E,IL) | 45% |
| 8505.19.00 | 00 2 | Other..... | No..... | 4.9% | Free (A,E,IL) | 45% |
| | | | | | 0.9% (CA) | |
| 8505.20.00 | 00 9 | Electromagnetic couplings, clutches and brakes..... | X..... | 3.9% | Free (A,B,E,IL) | 35% |
| | | | | | 0.7% (CA) | |
| 8505.30.00 | 00 7 | Electromagnetic lifting heads..... | X..... | 3.9% | Free (A,E,IL) | 35% |
| | | | | | 0.7% (CA) | |
| 8505.90 | | Other, including parts: | | | | |
| 8505.90.40 | 00 6 | Work holders and parts thereof..... | X..... | 4.9% | Free (A,E,IL) | 30% |
| | | | | | 0.9% (CA) | |
| 8505.90.80 | 00 7 | Other..... | X..... | 3.9% | Free (A,B,E,IL) | 35% |
| | | | | | 0.7% (CA) | |
| 8506 | | Primary cells and primary batteries; parts thereof: | | | | |
| | | Primary cells and primary batteries having an external volume not exceeding 300 cm ³ : | | | | |
| 8506.11.00 | 00 9 | Manganese dioxide..... | No..... | 5.3% | Free (A,E,IL) | 35% |
| | | | | | 3.1% (CA) <u>1/</u> | |
| 8506.12.00 | 00 8 | Mercuric oxide..... | No..... | 5.3% | Free (A,CA,E,IL) | 35% |
| 8506.13.00 | 00 7 | Silver oxide..... | No..... | 5.3% | Free (A,CA,E,IL) | 35% |
| 8506.19.00 | 00 1 | Other..... | No..... | 5.3% | Free (A,E,IL) | 35% |
| | | | | | 3.1% (CA) <u>1/</u> | |
| 8506.20.00 | 00 8 | Primary cells and primary batteries having an external volume exceeding 300 cm ³ | No..... | 5.3% | Free (A,E,IL) | 35% |
| | | | | | 3.1% (CA) | |
| 8506.90.00 | 00 3 | Parts..... | X..... | 5.3% | Free (A,E,IL) | 35% |
| | | | | | 3.1% (CA) <u>1/</u> | |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheadings 9905.85.21, 9905.85.22 and 9905.85.25.

| | | | | | | |
|------------|------|--|--------------|--|--------------------------|--|
| 8507 | | Electric storage batteries, including separators therefor, whether or not rectangular (including square); parts thereof: | | | | |
| 8507.10.00 | | Lead-acid storage batteries, of a kind used for starting piston engines..... | 5.3% | | Free (A,B,C,E,IL) 40% | |
| | 20 5 | Used batteries, for recovery of metal.... | No. v | | 3.1% (CA) <u>1/</u> | |
| | | kg | | | | |
| | | Other: | | | | |
| | | 12 V batteries: | | | | |
| | 30 3 | Not exceeding 6 kg in weight.... | No. | | | |
| | 60 6 | Exceeding 6 kg in weight..... | No. | | | |
| | 90 0 | Other..... | No. | | | |
| 8507.20.00 | | Other lead-acid storage batteries..... | 5.3% | | Free (A,B,C,E,IL) 40% | |
| | 20 3 | Used batteries, for recovery of metal.... | No. v | | 3.1% (CA) <u>1/</u> | |
| | | kg | | | | |
| | | Other: | | | | |
| | | 12 V batteries..... | No. | | | |
| | 40 9 | Other..... | No. | | | |
| 8507.30.00 | | Nickel-cadmium storage batteries..... | 5.1% | | Free (A,B,C,E,IL) 40% | |
| | | Sealed..... | No. | | 3% (CA) <u>1/</u> | |
| | 10 3 | Other..... | No. | | | |
| 8507.40.00 | 00 3 | Nickel-iron storage batteries..... | No..... 5.1% | | Free (A,B,C,CA,E,IL) 40% | |
| 8507.80.00 | 00 4 | Other storage batteries..... | No..... 5.1% | | Free (A,B,C,CA,E,IL) 40% | |
| 8507.90 | | Parts: | | | | |
| 8507.90.40 | 00 4 | Of lead-acid storage batteries..... | X..... 5.3% | | Free (A,B,C,E,IL) 40% | |
| | | | | | 3.1% (CA) <u>1/</u> | |
| 8507.90.80 | 00 5 | Other..... | X..... 5.1% | | Free (A,B,C,E,IL) 40% | |
| | | | | | 3% (CA) <u>1/2/</u> | |

1/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

2/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.30.

| | | | | | | |
|------------|------|--|-------------|--|----------------------------|-----|
| 8508 | | Electromechanical tools for working in the hand with self-contained electric motor; parts thereof: | | | | |
| 8508.10.00 | | Drills of all kinds..... | 2.2% | | Free (A,E,IL) 1.3% (CA) | 35% |
| | | Rotary: | | | | |
| | 10 6 | Battery powered..... | No. | | | |
| | | Other: | | | | |
| | 30 2 | With a chuck capacity of less than 12.7 mm..... | No. | | | |
| | 50 7 | Other..... | No. | | | |
| 8508.20.00 | 70 3 | Other, including hammer drills..... | No. | | | |
| | | Saws..... | 2.2% | | Free (A,E,IL) 1.3% (CA) | 35% |
| | 20 2 | Circular..... | No. | | | |
| | 40 8 | Chain..... | No. | | | |
| | 70 1 | Reciprocating and jig..... | No. | | | |
| | 90 7 | Other..... | No. | | | |
| 8508.80.00 | | Other tools..... | 2.2% | | Free (A,E,IL) 1.3% (CA) | 35% |
| | | Grinders, polishers and sanders: | | | | |
| | 10 1 | Angle grinders, sanders and polishers..... | No. | | | |
| | | Orbital and straight-line sanders... | No. | | | |
| | | Other: | | | | |
| | 25 4 | Belt sanders..... | No. | | | |
| | 35 2 | Other..... | No. | | | |
| | 40 5 | Screwdrivers, nut-runners and impact wrenches..... | No. | | | |
| | 55 7 | Routers..... | No. | | | |
| | 65 5 | Planers..... | No. | | | |
| | 70 8 | Grass and weed trimmers/edgers..... | No. | | | |
| | 80 6 | Electropneumatic rotary and percussion hammers..... | No. | | | |
| | 85 1 | Electric scissors..... | No. | | | |
| | 90 4 | Other..... | No. | | | |
| 8508.90.00 | 00 1 | Parts..... | X..... 2.2% | | Free (A,E,IL) 1.3% (CA) | 35% |

| | | | | | |
|------------|---|--|--------------|--------------------------------------|-------|
| 8509 | Electromechanical domestic appliances, with self-contained electric motor; parts thereof: | | | | |
| 8509.10.00 | | Vacuum cleaners..... | 3.4% | Free (A,E,IL) 2% (CA) | 35% |
| | 20 3 | Portable, hand-held..... | No. | | |
| | 30 1 | Wet/dry type..... | No. | | |
| | | Other: | | | |
| | 50 6 | Canister/tank type..... | No. | | |
| | | Other: | | | |
| | 70 2 | Weight not exceeding 5 kg..... | No. | | |
| | 80 0 | Other..... | No. | | |
| 8509.20.00 | 00 5 | Floor polishers..... | No..... 3.4% | Free (A,E,IL) 0.6% (CA) | 35% |
| 8509.30.00 | 00 3 | Kitchen waste disposers (disposals)..... | No..... 4.2% | Free (A,E,IL) 0.8% (CA) | 40% |
| 8509.40.00 | | Food grinders, processors and mixers; fruit or vegetable juice extractors..... | 4.2% | Free (A,E,IL) 2.5% (CA) <u>1/</u> | 40% |
| | 15 4 | Blenders..... | No. | | |
| | 25 2 | Other food mixers..... | No. | | |
| | 30 5 | Juice extractors..... | No. | | |
| | 40 3 | Food grinders and processors..... | No. | | |
| 8509.80.00 | | Other appliances..... | 4.2% | Free (A,E,IL) 2.5% (CA) <u>1/</u> | 40% |
| | 40 4 | Can openers (including combination units)..... | No. | | |
| | | Humidifiers: | | | |
| | 50 1 | Evaporative..... | No. | | |
| | | Other: | | | |
| | 70 7 | Ultrasonic..... | No. | | |
| | 80 5 | Other..... | No. | | |
| | 90 3 | Other..... | No. | | |
| 8509.90 | | Parts: | | | |
| 8509.90.20 | | Parts of vacuum cleaners..... | 3.4% | Free (A*,E,IL) 2% (CA) | 35% |
| | 30 0 | Of wet/dry vacuum cleaners..... | X | | |
| | 60 3 | Other..... | X | | |
| 8509.90.30 | 00 4 | Parts of floor polishers..... | X..... 3.4% | Free (A,E,IL) 0.6% (CA) | 35% |
| 8509.90.40 | 00 2 | Other parts..... | X..... 4.2% | Free (A,E,IL) 2.5% (CA) <u>1/</u> | 40% |
| 8510 | Shavers and hair clippers, with self-contained electric motor; parts thereof: | | | | |
| 8510.10.00 | 00 4 | Shavers..... | No..... 4.4% | Free (A,E,IL) 0.8% (CA) | 35% |
| 8510.20.00 | 00 2 | Hair clippers..... | No..... 4% | Free (A,E,IL) 2.4% (CA) | 45% |
| 8510.90 | | Parts: | | | |
| | | Parts of shavers: | | | |
| 8510.90.10 | 00 5 | Blades and cutting heads..... | X..... 3.4% | Free (A,E,IL) 2% (CA) | 27.5% |
| 8510.90.20 | 00 3 | Other parts of shavers..... | X..... 4.4% | Free (A,E,IL) 2.6% (CA) | 35% |
| 8510.90.30 | 00 1 | Parts of hair clippers..... | X..... 4% | Free (A,E,IL) 2.4% (CA) | 45% |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheadings 9905.85.35, 9905.85.37 and 9905.85.38.

| | | | | | | | |
|------------|------|--|----------|------|------|------------------|-----|
| 8511 | | Electrical ignition or starting equipment of a kind used for spark-ignition or compression-ignition internal combustion engines (for example, ignition magnetos, magneto-dynamos, ignition coils, spark plugs and glow plugs, starter motors); generators (for example, dynamos, alternators) and cut-outs of a kind used in conjunction with such engines; parts thereof: | | | | | |
| 8511.10.00 | 00 3 | Spark plugs..... | Hundreds | 3.1% | Free | (A,B,C,E,IL) | 35% |
| | | | | | 1.8% | (CA) <u>1/</u> | |
| 8511.20.00 | 00 1 | Ignition magnetos; magneto-dynamos; magnetic flywheels..... | X..... | 3.1% | Free | (A,B,C,E,IL) | 35% |
| | | | | | 1.8% | (CA) <u>1/</u> | |
| 8511.30.00 | | Distributors; ignition coils..... | | 3.1% | Free | (A,B,C,E,IL) | 35% |
| | | | | | 1.8% | (CA) <u>1/</u> | |
| | 40 1 | Distributors..... | No. | | | | |
| | 80 2 | Ignition coils..... | No. | | | | |
| 8511.40.00 | 00 7 | Starter motors and dual purpose starter-generators..... | No..... | 3.1% | Free | (A,B,C,E,IL) | 35% |
| | | | | | 1.8% | (CA) <u>1/</u> | |
| 8511.50.00 | 00 4 | Other generators..... | No..... | 3.1% | Free | (A,B,C,E,IL) | 35% |
| | | | | | 1.8% | (CA) <u>1/2/</u> | |
| 8511.80 | | Other equipment: Voltage and voltage-current regulators with cut-out relays: | | | | | |
| | | Designed for use on 6, 12 or 24 V systems..... | No..... | 3.1% | Free | (A,B,C,E,IL) | 25% |
| | | | | | 1.8% | (CA) <u>1/</u> | |
| 8511.80.40 | 00 0 | Other..... | No..... | 4.9% | Free | (A,C,E,IL) | 35% |
| | | | | | 2.9% | (CA) <u>1/</u> | |
| 8511.80.60 | 00 5 | Other..... | X..... | 3.1% | Free | (A,B,C,E,IL) | 35% |
| | | | | | 1.8% | (CA) <u>1/</u> | |
| 8511.90 | | Parts: Of voltage and voltage-current regulators with cut-out relays: | | | | | |
| | | Designed for use on 6, 12 or 24 V systems..... | X..... | 3.1% | Free | (A,B,E,IL) | 25% |
| | | | | | 1.8% | (CA) <u>1/</u> | |
| 8511.90.40 | 00 8 | Other..... | X..... | 4.9% | Free | (A,E,IL) | 35% |
| | | | | | 2.9% | (CA) <u>1/</u> | |
| 8511.90.60 | | Other parts..... | | 3.1% | Free | (A,B,E,IL) | 35% |
| | | | | | 1.8% | (CA) <u>1/2/</u> | |
| | 20 9 | Distributor contact (breaker point) sets..... | No. | | | | |
| | 40 5 | Other..... | X | | | | |

1/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

2/ Duty suspended on certain articles originating in the territory of Canada. See subheadings 9905.85.39 and 9905.85.41.

| | | | | | | |
|------------|------|---|---------|----------------|---|-----|
| 8512 | | Electrical lighting or signaling equipment (excluding articles of heading 8539), windshield wipers, defrosters and demisters, of a kind used for cycles or motor vehicles; parts thereof: | | | | |
| 8512.10 | | Lighting or visual signaling equipment of a kind used on bicycles: | | | | |
| 8512.10.20 | 00 8 | Lighting equipment..... | X..... | 7.6% <u>1/</u> | Free (A,E,IL) 4.5% (CA) | 45% |
| 8512.10.40 | 00 4 | Visual signaling equipment..... | X..... | 2.7% | Free (A,E,IL) 1.6% (CA) | 35% |
| 8512.20 | | Other lighting or visual signaling equipment: | | | | |
| 8512.20.20 | 40 8 | Lighting equipment..... | | Free | | 25% |
| | | For the vehicles of subheading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711..... | X | | | |
| 8512.20.40 | 80 9 | Other..... | X | | | |
| | 40 4 | Visual signaling equipment..... | | 2.7% | Free (A,B,E,IL) 1.6% (CA) | 35% |
| | | For the vehicles of subheading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711..... | X | | | |
| 8512.30.00 | 80 5 | Other..... | X | | | |
| | 20 4 | Sound signaling equipment..... | | 2.7% | Free (A,B,E,IL) 1.6% (CA) <u>2/</u> | 35% |
| | 40 0 | Horns..... | X | | | |
| | | Other..... | X | | | |
| 8512.40 | | Windshield wipers, defrosters and demisters: | | | | |
| 8512.40.20 | 00 2 | Defrosters and demisters..... | X..... | 3.9% | Free (A,E,IL) 2.3% (CA) <u>2/</u> | 35% |
| 8512.40.40 | 00 8 | Windshield wipers..... | X..... | 3.1% | Free (A*,E,E,IL) 1.8% (CA) <u>2/</u> | 25% |
| 8512.90 | | Parts: | | | | |
| 8512.90.20 | 00 1 | Of signaling equipment..... | X..... | 2.7% | Free (A,B,E,IL) 1.6% (CA) | 35% |
| 8512.90.40 | 00 7 | Of lighting equipment: Of a kind used on bicycles..... | X..... | 7.6% <u>1/</u> | Free (A,E,IL) 4.5% (CA) | 45% |
| 8512.90.60 | 00 2 | Other..... | X..... | Free | | 25% |
| 8512.90.70 | 00 0 | Of defrosters and demisters..... | X..... | 3.9% | Free (A,E,IL) 2.3% (CA) <u>2/</u> | 35% |
| 8512.90.90 | 00 6 | Other..... | X..... | 3.1% | Free (A,B,E,IL) 1.8% (CA) <u>2/</u> | 25% |
| 8513 | | Portable electric lamps designed to function by their own source of energy (for example, dry batteries, storage batteries, magnetos), other than lighting equipment of heading 8512; parts thereof: | | | | |
| 8513.10 | | Lamps: | | | | |
| 8513.10.20 | 00 7 | Flashlights..... | No..... | 25% | Free (A,E,IL) 15% (CA) | 35% |
| 8513.10.40 | 00 3 | Other..... | No..... | 6.9% | Free (A,E,IL) 4.1% (CA) | 40% |
| 8513.90 | | Parts: | | | | |
| 8513.90.20 | 00 0 | Of flashlights..... | X..... | 25% | Free (A,E,IL) 15% (CA) | 35% |
| 8513.90.40 | 00 6 | Other..... | X..... | 6.9% | Free (A,E,IL) 4.1% (CA) | 40% |

1/ Duty on generator lighting sets for bicycles, and parts thereof, temporarily suspended. See heading 9902.85.12.

2/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

| | | | | | | | | |
|------------|------|---|---------|------|---------------------|-----|--|--|
| 8514 | | Industrial or laboratory electric (including induction or dielectric) furnaces and ovens; other industrial or laboratory induction or dielectric heating equipment; parts thereof: | | | | | | |
| 8514.10.00 | 00 0 | Resistance heated furnaces and ovens..... | No..... | 2.5% | Free (A, E, IL) | 35% | | |
| | | | | | 0.5% (CA) <u>1/</u> | | | |
| 8514.20.00 | 00 8 | Induction or dielectric furnaces and ovens.... | No..... | 2.5% | Free (A, E, IL) | 35% | | |
| | | | | | 0.5% (CA) | | | |
| 8514.30.00 | | Other furnaces and ovens..... | | 2.5% | Free (A, E, IL) | 35% | | |
| | 40 8 | For diffusion, oxidation or annealing of semiconductor wafers..... | No. | | 0.5% (CA) | | | |
| | 80 9 | Other..... | No. | | | | | |
| 8514.40.00 | 00 4 | Other induction or dielectric heating equipment..... | X..... | 2.5% | Free (A, E, IL) | 35% | | |
| | | | | | 0.5% (CA) | | | |
| 8514.90.00 | 00 3 | Parts..... | X..... | 2.5% | Free (A, E, IL) | 35% | | |
| | | | | | 0.5% (CA) <u>1/</u> | | | |
| 8515 | | Electric (including electrically heated gas), laser or other light or photon beam, ultrasonic, electron beam, magnetic pulse or plasma arc soldering, brazing or welding machines and apparatus, whether or not capable of cutting; electric machines and apparatus for hot spraying of metals or sintered metal carbides; parts thereof: | | | | | | |
| | | Brazing or soldering machines and apparatus: | | | | | | |
| 8515.11.00 | 00 8 | Soldering irons and guns..... | No..... | 2.5% | Free (A, CA, E, IL) | 35% | | |
| 8515.19.00 | 00 0 | Other..... | No..... | 2.5% | Free (A, E, IL) | 35% | | |
| | | | | | 0.5% (CA) | | | |
| | | Machines and apparatus for resistance welding of metal: | | | | | | |
| 8515.21.00 | 00 6 | Fully or partly automatic..... | No..... | 2% | Free (A, E, IL) | 35% | | |
| | | | | | 0.4% (CA) | | | |
| 8515.29.00 | 00 8 | Other..... | No..... | 2% | Free (A, E, IL) | 35% | | |
| | | | | | 0.4% (CA) | | | |
| | | Machines and apparatus for arc (including plasma arc) welding of metals: | | | | | | |
| 8515.31.00 | 00 4 | Fully or partly automatic..... | No..... | 2% | Free (A, E, IL) | 35% | | |
| | | | | | 0.4% (CA) | | | |
| 8515.39.00 | | Other..... | | 2% | Free (A, E, IL) | 35% | | |
| | | | | | 0.4% (CA) | | | |
| | | Non-rotating type: | | | | | | |
| | 20 2 | AC transformer type..... | No. | | | | | |
| | 40 8 | Other..... | No. | | | | | |
| | 60 3 | Rotating type..... | No. | | | | | |
| 8515.80.00 | | Other machines and apparatus..... | | 2% | Free (A, E, IL) | 35% | | |
| | 40 6 | Ultrasonic welding machines..... | No. | | 0.4% (CA) | | | |
| | 80 7 | Other..... | No. | | | | | |
| 8515.90 | | Parts: | | | | | | |
| 8515.90.20 | 00 8 | Of welding machines and apparatus..... | X..... | 2% | Free (A, E, IL) | 35% | | |
| | | | | | 0.4% (CA) <u>1/</u> | | | |
| 8515.90.40 | 00 4 | Other parts..... | X..... | 2.5% | Free (A, E, IL) | 35% | | |
| | | | | | 0.5% (CA) <u>1/</u> | | | |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheadings 9905.85.40. 9905.85.42 and 9905.85.43.

| | | | | | |
|------------|------|---|--------------|--|-----|
| 8516 | | Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electrothermic hair-dressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric flatirons; other electrothermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of heading 8545; parts thereof: | | | |
| 8516.10.00 | | Electric instantaneous or storage water heaters and immersion heaters..... | 3.7% | Free (A,B,E,IL) 2.2% (CA) <u>1/</u> | 35% |
| | 40 0 | Storage water heaters..... | No. | | |
| | 80 1 | Other water heaters and immersion heaters..... | No. | | |
| | | Electric space heating apparatus and electric soil heating apparatus: | | | |
| 8516.21.00 | 00 5 | Storage heating radiators..... | No..... 3.7% | Free (A,E,IL) 0.7% (CA) | 35% |
| 8516.29.00 | | Other..... | 3.7% | Free (A,B,E,IL) 0.7% (CA) <u>2/</u> | 35% |
| | | Portable space heaters: | | | |
| | 30 1 | Fan-forced..... | No. | | |
| | 60 4 | Other..... | No. | | |
| | 90 8 | Other..... | X | | |
| | | Electrothermic hairdressing or hand-drying apparatus: | | | |
| 8516.31.00 | 00 3 | Hair dryers..... | No..... 3.9% | Free (A,CA,E,IL) | 35% |
| 8516.32.00 | | Other hairdressing apparatus..... | 3.9% | Free (A,CA,E,IL) | 35% |
| | 20 8 | Curlers..... | No. | | |
| | 40 4 | Other..... | X | | |
| 8516.33.00 | 00 1 | Hand-drying apparatus..... | X..... 3.9% | Free (A,E,IL) 2.3% (CA) | 35% |
| 8516.40 | | Electric flatirons: | | | |
| 8516.40.20 | 00 8 | Travel type..... | No..... 2.2% | Free (A,CA,E,IL) | 35% |
| 8516.40.40 | 00 4 | Other..... | No..... 5.6% | Free (A,CA,E,IL) | 40% |
| 8516.50.00 | 00 9 | Microwave ovens..... | No..... 4% | Free (A,E,IL) 2.4% (CA) | 35% |
| 8516.60 | | Other ovens; cooking stoves, ranges, cooking plates, boiling rings, grillers and roasters: | | | |
| 8516.60.40 | | Cooking stoves, ranges and ovens..... | Free | | 35% |
| | 60 6 | Microwave oven combinations..... | No. | | |
| | 90 0 | Other..... | No. | | |
| 8516.60.60 | 00 4 | Other..... | No..... 5.3% | Free (A,E,IL) 3.1% (CA) | 40% |
| | | Other electrothermic appliances: | | | |
| 8516.71.00 | | Coffee or tea makers..... | 5.3% | Free (A,E,IL) 1% (CA) <u>2/</u> | 40% |
| | | Coffee makers: | | | |
| | 20 0 | Automatic drip and pump type... | No. | | |
| | 40 6 | Percolator..... | No. | | |
| | 60 1 | Other..... | No. | | |
| | 80 7 | Other..... | No. | | |
| 8516.72.00 | 00 3 | Toasters..... | No..... 5.3% | Free (A,CA,E,IL) | 40% |
| 8516.79.00 | 00 6 | Other..... | No..... 5.3% | Free (A,E,IL) 3.1% (CA) | 40% |
| 8516.80 | | Electric heating resistors: | | | |
| 8516.80.40 | 00 5 | Assembled only with simple insulated former and electrical connections, used for anti-icing or deicing..... | X..... 3.9% | Free (A,B,C,E,IL) 2.3% (CA) | 35% |
| 8516.80.80 | 00 6 | Other..... | X..... 3.9% | Free (A,B,E,IL) 2.3% (CA) | 35% |
| 8516.90 | | Parts: | | | |
| 8516.90.20 | 00 7 | Of cooking stoves, ranges and ovens..... | X..... Free | | 35% |
| 8516.90.40 | 00 3 | Of heaters or heating apparatus of subheading 8516.10, 8516.21 or 8516.29... | X..... 3.7% | Free (A,B,E,IL) 0.7% (CA) <u>2/</u> | 35% |
| 8516.90.60 | 00 8 | Other..... | X..... 3.9% | Free (A,E,IL) 2.3% (CA) <u>1/2/</u> | 35% |

1/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

2/ Duty suspended on certain articles originating in the territory of Canada. See subheadings 9905.85.46, 9905.85.47, 9905.85.49 and 9905.85.51.

| | | | | | | |
|------------|------|--|---------|------|--------------------|-----------|
| 8517 | | Electrical apparatus for line telephony or telegraphy, including such apparatus for carrier-current line systems; parts thereof: | | | | |
| 8517.10.00 | | Telephone sets..... | 8.5% | | Free (A,B,CA,E,IL) | 35% |
| | | Single line: | | | | |
| | | Without special features: | | | | |
| | 20 3 | Tone signaling only..... | No. | | | |
| | 40 9 | Other..... | No. | | | |
| | | Other (such as memory, redial, autodial, speaker and the like): | | | | |
| | 50 6 | Incorporating an automatic answering device..... | No. | | | |
| | 70 2 | Other..... | No. | | | |
| | 80 0 | Multiline (including key, call director and consoles)..... | No. | | | |
| 8517.20.00 | 00 5 | Teleprinters, including teletypewriters..... | No..... | 4.7% | Free (A,E,IL) | 35% |
| | | | | | 0.9% (CA) | |
| 8517.30 | | Telephonic or telegraphic switching apparatus: | | | | |
| | | Telephonic switching apparatus (including private branch exchange and key system switching apparatus): | | | | |
| 8517.30.15 | 00 6 | Central office switching apparatus.. | No..... | 8.5% | Free (A,CA,E,IL) | 35% |
| 8517.30.20 | 00 9 | Private branch exchange switching apparatus..... | No..... | 8.5% | Free (A,CA,E,IL) | 35% |
| 8517.30.25 | 00 4 | Electronic key telephone systems.... | No..... | 8.5% | Free (A,CA,E,IL) | 35% |
| 8517.30.30 | 00 7 | Other..... | No..... | 8.5% | Free (A,CA,E,IL) | 35% |
| 8517.30.50 | 00 2 | Other..... | X..... | 4.7% | Free (A,E,IL) | 35% |
| | | | | | 0.9% (CA) | <u>1/</u> |
| 8517.40 | | Other apparatus, for carrier-current line systems: | | | | |
| 8517.40.10 | 00 9 | Modems, of a kind used with data processing machines of heading 8471..... | No..... | 4.7% | Free (A,CA,E,IL) | 35% |
| | | Other: | | | | |
| 8517.40.50 | 00 0 | Telephonic..... | X..... | 8.5% | Free (A,B,CA,E,IL) | 35% |
| 8517.40.70 | 00 6 | Telegraphic..... | X..... | 4.7% | Free (A,CA,E,IL) | 35% |
| | | Other apparatus: | | | | |
| 8517.81.00 | | Telephonic..... | | 8.5% | Free (A,B,CA,E,IL) | 35% |
| | 10 9 | Intercom systems..... | No. | | | |
| | 20 7 | Other..... | X | | | |
| 8517.82.00 | | Telegraphic..... | | 4.7% | Free (A,CA,E,IL) | 35% |
| | 40 2 | Facsimile machines..... | No. | | | |
| | 80 3 | Other..... | X | | | |
| 8517.90 | | Parts: | | | | |
| | | Of telephonic apparatus: | | | | |
| | | Of telephonic switching apparatus: | | | | |
| 8517.90.05 | 00 5 | Of the switching apparatus of subheading 8517.30.15..... | X..... | 8.5% | Free (A,CA,E,IL) | 35% |
| 8517.90.10 | 00 8 | Of the switching apparatus of subheading 8517.30.20..... | X..... | 8.5% | Free (A,CA,E,IL) | 35% |
| 8517.90.15 | 00 3 | Other..... | X..... | 8.5% | Free (A,CA,E,IL) | 35% |
| 8517.90.30 | 00 4 | Of telephone sets..... | X..... | 8.5% | Free (A,B,CA,E,IL) | 35% |
| 8517.90.35 | 00 9 | Of other terminal apparatus..... | X..... | 8.5% | Free (A,CA,E,IL) | 35% |
| 8517.90.40 | 00 2 | Other..... | X..... | 8.5% | Free (A,CA,B,E,IL) | 35% |
| | | Of telegraphic apparatus: | | | | |
| 8517.90.55 | 00 4 | Of articles of subheading 8517.40.10..... | X..... | 4.7% | Free (A,CA,E,IL) | 35% |
| 8517.90.60 | 00 7 | Of telegraphic switching apparatus.. | X..... | 4.7% | Free (A,CA,E,IL) | 35% |
| 8517.90.70 | 00 5 | Of terminal apparatus (including teleprinting machines)..... | X..... | 4.7% | Free (A,CA,E,IL) | 35% |
| 8517.90.80 | 00 3 | Other..... | X..... | 4.7% | Free (A,CA,E,IL) | 35% |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.52.

| | | | | | | |
|------------|------|---|---------|-------------------|--------------------|--------------------------------|
| 8518 | | Microphones and stands therefor; loudspeakers, whether or not mounted in their enclosures; headphones, earphones and combined microphone/speaker sets; audio-frequency electric amplifiers; electric sound amplifier sets; parts thereof: | | | | |
| 8518.10.00 | | Microphones and stands therefor..... | 4.9% | Free (A,B,C,E,IL) | 35% | 2.9% (CA) |
| | 20 2 | Microphones..... | No. | | | |
| | 40 8 | Other..... | X | | | |
| | | Loudspeakers, whether or not mounted in their enclosures: | | | | |
| 8518.21.00 | 00 3 | Single loudspeakers, mounted in their enclosures..... | No..... | 4.9% | Free (A,B,C,E,IL) | 35% 2.9% (CA) ^{1/} |
| 8518.22.00 | 00 2 | Multiple loudspeakers, mounted in the same enclosure..... | No..... | 4.9% | Free (A,B,C,E,IL) | 35% 2.9% (CA) |
| 8518.29.00 | 00 5 | Other..... | No..... | 4.9% | Free (A,B,C,E,IL) | 35% 2.9% (CA) |
| 8518.30 | | Headphones, earphones and combined microphone/speaker sets: | | | | |
| 8518.30.10 | 00 0 | Telephone handsets..... | No..... | 8.5% | Free (A,B,CA,E,IL) | 35% |
| 8518.30.20 | 00 8 | Other..... | No..... | 4.9% | Free (A,B,C,E,IL) | 35% 2.9% (CA) |
| 8518.40 | | Audio-frequency electric amplifiers: | | | | |
| 8518.40.10 | 00 8 | For use as repeaters in line telephony... | No..... | 8.5% | Free (A,B,E,IL) | 35% 5.1% (CA) |
| 8518.40.20 | 00 6 | Other..... | No..... | 4.9% | Free (A,B,C,E,IL) | 35% 2.9% (CA) |
| 8518.50.00 | 00 7 | Electric sound amplifier sets..... | No..... | 4.9% | Free (A,B,C,E,IL) | 35% 2.9% (CA) |
| 8518.90 | | Parts: | | | | |
| 8518.90.10 | 00 7 | Of telephone handsets and repeaters..... | X..... | 8.5% | Free (A,B,E,IL) | 35% 5.1% (CA) |
| 8518.90.30 | 00 3 | Other..... | X..... | 4.9% | Free (A,B,E,IL) | 35% 2.9% (CA) |

^{1/} Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

| | | | | | | |
|------------|------|---|---------|------|---|-----|
| 8520 | | Magnetic tape recorders and other sound recording apparatus, whether or not incorporating a sound reproducing device: | | | | |
| 8520.10.00 | 00 2 | Dictating machines not capable of operating without an external source of power..... | No..... | 3.9% | Free (A, B, E, IL) 2.3% (CA) | 35% |
| 8520.20.00 | | Telephone answering machines..... | | 3.9% | Free (A, E, IL) 2.3% (CA) | 35% |
| | 40 2 | Announce and record machines..... | No. | | | |
| | 80 3 | Other..... | No. | | | |
| | | Other magnetic tape recorders incorporating sound reproducing apparatus: | | | | |
| 8520.31.00 | | Cassette type..... | | 3.9% | Free (A, B, E, IL) 2.3% (CA) <u>1/</u> | 35% |
| | 20 3 | Microcassette type..... | No. | | | |
| | | Other: | | | | |
| | 40 9 | AC only: | | | | |
| | 60 4 | Stereo..... | No. | | | |
| | | Other..... | No. | | | |
| | 70 2 | Other: | | | | |
| | | Without speakers other than headphones, ear-phones or headsets..... | No. | | | |
| | 90 8 | Other..... | No. | | | |
| 8520.39.00 | | Other..... | | 3.9% | Free (A, B, E, IL) 2.3% (CA) | 35% |
| | 10 7 | Cartridge type..... | No. | | | |
| | | Other: | | | | |
| | 50 8 | AC only: | | | | |
| | 60 6 | Stereo..... | No. | | | |
| | 70 4 | Other..... | No. | | | |
| 8520.90.00 | 00 5 | Other..... | No..... | 3.9% | Free (A, B, C, E, IL) 2.3% (CA) | 35% |
| 8521 | | Video recording or reproducing apparatus: | | | | |
| 8521.10.00 | | Magnetic tape-type..... | | 3.9% | Free (A*, C, CA, E, IL) | 35% |
| | | Color, cartridge or cassette type: | | | | |
| | 10 9 | Not capable of recording..... | No. | | | |
| | 20 7 | Other..... | No. | | | |
| | 30 5 | Other..... | No. | | | |
| 8521.90.00 | 00 4 | Other..... | No..... | 3.7% | Free (CA, E, IL) | 35% |

1/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

| | | | | | | | |
|------------|------|--|---------|------|-----------------------|-----|--|
| 8522 | | Parts and accessories of apparatus of headings 8519 to 8521: | | | | | |
| 8522.10.00 | 00 0 | Pickup cartridges..... | No..... | 3.9% | Free (A*,B,E,IL) | 35% | |
| | | | | | 2.3% (CA) | | |
| 8522.90 | | Other: | | | | | |
| 8522.90.40 | 00 5 | Assemblies and subassemblies of articles provided for in subheading 8520.90, consisting of two or more pieces fastened or joined together..... | X..... | 3.9% | Free (A,B,C,E,IL) | 35% | |
| | | | | | 2.3% (CA) <u>1/2/</u> | | |
| 8522.90.60 | | Parts of telephone answering machines.... | ..... | 3.9% | Free (A,CA,E,IL) | 35% | |
| | 40 2 | Magnetic recording and reproducing heads..... | X | | | | |
| | | Other..... | X | | | | |
| 8522.90.90 | | Other..... | ..... | 3.9% | Free (A,B,E,IL) | 35% | |
| | | | | | 2.3% (CA) <u>1/2/</u> | | |
| | 40 6 | Magnetic recording and reproducing heads..... | X | | | | |
| | | Other..... | X | | | | |
| | 80 7 | Other..... | X | | | | |
| 8523 | | Prepared unrecorded media for sound recording or similar recording of other phenomena, other than products of chapter 37: | | | | | |
| | | Magnetic tapes: | | | | | |
| 8523.11.00 | 00 8 | Of a width not exceeding 4 mm..... | No..... | 4.2% | Free (A*,E,IL) | 80% | |
| | | | | | 2.5% (CA) | | |
| 8523.12.00 | | Of a width exceeding 4 mm but not exceeding 6.5 mm..... | ..... | 4.2% | Free (A,E,IL) | 80% | |
| | | Suitable for audio recording: | | | | | |
| | 10 5 | In cartridges..... | No. | | | | |
| | 20 3 | Other..... | X | | | | |
| | 40 9 | Suitable for video recording..... | X | | | | |
| | 60 4 | Other..... | X | | | | |
| 8523.13.00 | | Of a width exceeding 6.5 mm..... | ..... | 4.2% | Free (A,E,IL) | 80% | |
| | | | | | 2.5% (CA) | | |
| | 20 2 | Suitable for audio recording..... | X | | | | |
| | | Suitable for video recording: | | | | | |
| | 40 8 | In cassettes..... | No. | | | | |
| | 60 3 | Other..... | X | | | | |
| | 80 9 | Other..... | X | | | | |
| 8523.20.00 | 00 7 | Magnetic discs..... | No..... | 4.2% | Free (A,CA,E,IL) | 80% | |
| 8523.90.00 | 00 2 | Other..... | X..... | 4.2% | Free (A,E,IL) | 80% | |
| | | | | | 2.5% (CA) | | |

1/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.
2/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.53.

| | | | | | | |
|------------|------|--|----------------------|--|--|---|
| 8524 | | Records, tapes and other recorded media for sound or other similarly recorded phenomena, including matrices and masters for the production of records, but excluding products of chapter 37: | | | | |
| 8524.10.00 | | Phonograph records..... | 3.7% | | Free (A,E,IL) 2.2% (CA) | 30% |
| | 20 4 | Stereophonic and quadraphonic, at 33-1/3 r.p.m. | No. | | | |
| | 40 0 | Other..... | No. | | | |
| | | Magnetic tapes: | | | | |
| | | Of a width not exceeding 4 mm: | | | | |
| 8524.21 | | News sound recordings relating to current events..... | X..... | Free | | Free |
| 8524.21.10 | 00 3 | | | | | |
| 8524.21.30 | | Other recordings..... | | 9.7¢/m ² of recording surface | Free (A,E,IL) 5.8¢/m ² of recording surface (CA) | 86.1¢/m ² of recording surface |
| | 40 1 | Sound recordings on cassette tapes..... | No. v | | | |
| | 80 2 | Other..... | No. v | | | |
| 8524.22 | | Of a width exceeding 4 mm but not exceeding 6.5 mm: | | | | |
| 8524.22.10 | | Video tape recordings..... | | 0.66¢/lin. m | Free (A,E,IL) 0.3¢/lin. m (CA) | 3.3¢/lin. m |
| | 40 4 | In cassettes..... | lin. m v | | | |
| | 80 5 | Other..... | lin. m | | | |
| 8524.22.20 | 00 0 | Other tape recordings..... | m ² | 9.7¢/m ² of recording surface | Free (A,E,IL) 5.8¢/m ² of recording surface (CA) | 86.1¢/m ² |
| | | of recording surface | | | | |
| 8524.23 | | Of a width exceeding 6.5 mm: | | | | |
| 8524.23.10 | | Video tape recordings..... | | 0.66¢/lin. m | <u>1</u> /Free (A,E,IL) 0.3¢/lin. m (CA) | 3.3¢/lin. m |
| | 40 3 | Of a width not exceeding 16 mm, in cassettes..... | lin. m v | | | |
| | 80 4 | Other..... | lin. m | | | |
| 8524.23.20 | 00 9 | Other tape recordings | m ² | 9.7¢/m ² of recording surface | Free (A,E,IL) 5.8¢/m ² of recording surface (CA) | 86.1¢/m ² |
| | | of recording surface | | | | |
| 8524.90 | | Other: | | | | |
| 8524.90.20 | 00 7 | Master records or metal matrices therefrom for use in the production of sound records for export; recordings on wire... | X..... | Free | | Free |
| 8524.90.30 | 00 5 | Video discs..... | No..... | 5.3% | Free (A,E,IL) 3.1% (CA) | 80% |
| 8524.90.40 | | Other..... | | 9.7¢/m ² of recording surface | Free (A,E,IL) 5.8¢/m ² of recording surface (CA) | 86.1¢/m ² |
| | | of recording surface | | | | |
| | 40 5 | Laser disc sound recordings..... | No. v | | | |
| | 80 6 | Other..... | No. v | | | |

1/ Duty on certain video tape recordings temporarily suspended. See heading 9902.85.24.

| | | | | | | |
|------------|------|---|------------------------|------|----------------------|-----|
| 8525 | | Transmission apparatus for radiotelephony, radiotelegraphy, radiobroadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras: | | | | |
| 8525.10 | | Transmission apparatus: | | | | |
| 8525.10.20 | 20 9 | Television..... | 3.7% | Free | (B, CA, E, IL) | 35% |
| | | Converters, decoders, pre-amplifiers, line amplifiers, distribution amplifiers and other amplifiers; directional couplers and other couplers; all the foregoing designed for cable or closed-circuit television applications..... | X | | | |
| | 40 5 | Other..... | X | | | |
| 8525.10.60 | | Other: | | | | |
| | | Transmitters..... | 6% <u>1/</u> | Free | (A, B, C, CA, E, IL) | 35% |
| | | Capable of transmitting on frequencies <u>2/</u> : | | | | |
| | 20 0 | Not exceeding 30 MHz..... | No. | | | |
| | 40 6 | Exceeding 30 MHz but not exceeding 400 MHz..... | No. | | | |
| | 60 1 | Exceeding 400 MHz but not exceeding 1,000 MHz... | No. | | | |
| | 80 7 | Exceeding 1,000 MHz..... | No. | | | |
| 8525.10.80 | 00 0 | Other..... | X..... 6% | Free | (A, B, C, CA, E, IL) | 35% |
| 8525.20 | | Transmission apparatus incorporating reception apparatus: | | | | |
| | | Transceivers: | | | | |
| | | Citizens Band (CB): | | | | |
| 8525.20.05 | 00 0 | Hand-held..... | No..... 6% | Free | (A, B, E, IL) | 35% |
| | | | | 1.2% | (CA) <u>3/</u> | |
| 8525.20.15 | 00 8 | Other..... | No..... 6% | Free | (A, B, E, IL) | 35% |
| | | | | 1.2% | (CA) <u>3/</u> | |
| 8525.20.20 | 00 1 | Low-power radiotelephonic transceivers operating on frequencies from 49.82 to 49.90 MHz..... | No..... 2.4% <u>1/</u> | Free | (A, E, IL) | 35% |
| | | | | 0.4% | (CA) <u>3/</u> | |
| 8525.20.30 | | Other..... | 6% | Free | (A, B, C, E, IL) | 35% |
| | | | | 1.2% | (CA) <u>3/</u> | |
| | | Hand-held: | | | | |
| | 10 7 | For frequencies not exceeding 30 MHz <u>2/</u> | No. | | | |
| | 15 2 | For frequencies exceeding 30 MHz but not exceeding 400 MHz <u>2/</u> | No. | | | |
| | 25 0 | For frequencies exceeding 400 MHz <u>2/</u> | No. | | | |
| | | Other: | | | | |
| | 40 1 | Marine VHF-FM | No. | | | |
| | | Other: | | | | |
| | 50 8 | For frequencies not exceeding 30 MHz <u>2/</u> .. | No. | | | |
| | 70 4 | For frequencies exceeding 30 MHz but not exceeding 400 MHz <u>2/</u> | No. | | | |
| | 80 2 | For frequencies exceeding 400 MHz <u>2/</u> | No. | | | |

1/ Duty on certain infant nursery monitor and intercommunication systems temporarily suspended. See headings 9902.85.25 and 9902.85.26.

2/ See statistical note 5 to this chapter.

3/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.45.

| | | | | | |
|-------------------|--|---|---------|------|--|
| 8525 (con.) | Transmission apparatus for radiotelephony, radiotelegraphy, radiobroadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras (con.): | | | | |
| 8525.20 (con.) | Transmission apparatus incorporating reception apparatus (con.): | | | | |
| | Other: | | | | |
| 8525.20.50 | 00 4 | Cordless handset telephones..... | No..... | 6% | Free (A,B,C,E,IL) 35% 1.2% (CA) <u>1/</u> |
| 8525.20.60 | | Other..... | | 6% | Free (A,B,C,E,IL) 35% 1.2% (CA) <u>1/</u> |
| | 20 8 | Radio telephones designed for installation in motor vehicles for the Public Cellular Radio- telecommunication Service..... | No. | | |
| | | Other radio telephones designed for the Public Cellular Radiotelecom- munication Service: | | | |
| | 60 9 | Units weighing over 1 kg.. | No. | | |
| | 70 7 | Other..... | No. | | |
| | 80 5 | Other..... | X | | |
| 8525.30.00 | | Television cameras..... | | 4.2% | Free (A,CA,E,IL) 35% |
| | | Color: | | | |
| | 10 1 | Camcorders: | | | |
| | 30 7 | 8 mm..... | No. | | |
| | 40 5 | Other..... | No. | | |
| | 60 0 | Other..... | No. | | |
| 8526 | Radar apparatus, radio navigational aid apparatus and radio remote control apparatus: | | | | |
| 8526.10.00 | | Radar apparatus..... | | 4.9% | Free (A,C,E,IL) 35% 0.9% (CA) |
| | 20 2 | Designed for boat or ship installation... | No. | | |
| | 40 8 | Other..... | No. | | |
| | | Other: | | | |
| 8526.91.00 | | Radio navigational aid apparatus..... | | 4.9% | Free (A,C,E,IL) 35% 0.9% (CA) |
| | 20 4 | Reception only apparatus..... | No. | | |
| | 40 0 | Other..... | No. | | |
| 8526.92.00 | 00 7 | Radio remote control apparatus..... | X..... | 4.9% | Free (A,C,E,IL) 35% 0.9% (CA) |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.45.

| | | | | | | |
|------------|------|---|---------|------|---------------------|-----|
| 8527 | | Reception apparatus for radiotelephony, radiotelegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock: | | | | |
| | | Radiobroadcast receivers capable of operating without an external source of power, including apparatus capable of receiving also radiotelephony or radiotelegraphy: | | | | |
| 8527.11 | | Combined with sound recording or reproducing apparatus: | | | | |
| 8527.11.11 | 00 1 | Combinations incorporating tape players which are incapable of recording..... | No..... | 3.7% | Free (A, CA, E, IL) | 35% |
| | | Other: | | | | |
| 8527.11.20 | | Radio-tape recorder combinations..... | | 4.9% | Free (CA, E, IL) | 35% |
| | | Cassette type: | | | | |
| | | Stereo: | | | | |
| | 20 6 | Without speakers, other than headphones, earphones or headsets..... | No. | | | |
| | 40 2 | Other..... | No. | | | |
| | 60 7 | Other..... | No. | | | |
| | 80 3 | Other..... | No. | | | |
| 8527.11.40 | 00 6 | Radio-phonograph combinations.. | No..... | 4.4% | Free (CA, E, IL) | 35% |
| 8527.11.60 | 00 1 | Other..... | No..... | 3.7% | Free (A, CA, E, IL) | 35% |
| 8527.19.00 | | Other..... | | 6% | Free (A, E, IL) | 35% |
| | 10 4 | Incorporating a clock or clock-timer..... | No. | | 1.2% (CA) | |
| | | Other: | | | | |
| | 20 2 | AM only..... | No. | | | |
| | 30 0 | FM only or AM/FM only..... | No. | | | |
| | 40 8 | Other..... | No. | | | |
| | | Radiobroadcast receivers not capable of operating without an external source of power, of a kind used in motor vehicles, including apparatus capable of receiving also radiotelephony or radiotelegraphy: | | | | |
| 8527.21 | | Combined with sound recording or reproducing apparatus: | | | | |
| 8527.21.10 | | Radio-tape player combinations..... | | 3.7% | Free (A*, B, E, IL) | 35% |
| | | Cassette type: | | | 0.7% (CA) | |
| | 10 8 | Stereo..... | No. | | | |
| | 20 6 | Other..... | No. | | | |
| | 30 4 | Other..... | No. | | | |
| 8527.21.40 | 00 4 | Other..... | No..... | 4.9% | Free (B, E, IL) | 35% |
| 8527.29.00 | | Other..... | | 8% | 0.9% (CA) | |
| | | | | | Free (B, E, IL) | 35% |
| | 20 0 | AM only..... | No. | | 1.6% (CA) | |
| | 40 6 | FM only or AM/FM only..... | No. | | | |
| | 60 1 | Other..... | No. | | | |

| | | | | | | |
|----------------|------|---|---------|--------------|------------------------------------|-----|
| 8527 (con.) | | Reception apparatus for radiotelephony, radio-telegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock (con.): | | | | |
| | | Other radiobroadcast receivers, including apparatus capable of receiving also radiotelephony or radiotelegraphy: | | | | |
| 8527.31 | | Combined with sound recording or reproducing apparatus: | | | | |
| 8527.31.05 | 00 5 | Articles designed for connection to telegraphic or telephonic apparatus or instruments or to telegraphic or telephonic networks..... | No..... | 4.9% | Free (CA, E, IL) | 35% |
| 8527.31.40 | 00 2 | Other: Combinations incorporating tape players which are incapable of recording..... | | 3.7% | Free (A, CA, E, IL) | 35% |
| 8527.31.50 | | Other combinations incorporating tape recorders... | No..... | 4.9% | Free (CA, E, IL) | 35% |
| | 20 5 | Cassette type..... | No. | | | |
| | 40 1 | Cartridge type..... | No. | | | |
| | 60 6 | Other..... | No. | | | |
| 8527.31.60 | 00 7 | Other..... | No..... | 4.4% | Free (CA, E, IL) | 35% |
| 8527.32.00 | | Not combined with sound recording or reproducing apparatus but combined with a clock..... | | 6% | Free (A, CA, E, IL) | 35% |
| | 10 7 | Incorporating a digital clock or clock-timer..... | No. | | | |
| | 30 3 | Other..... | No. | | | |
| 8527.39.00 | | Other..... | | 6% <u>1/</u> | Free (A, E, IL) 1.2% (CA) | 35% |
| | 20 8 | Without speaker(s)..... | No. | | | |
| | 40 4 | Other..... | No. | | | |
| 8527.90 | | Other apparatus: | | | | |
| 8527.90.40 | 00 0 | Articles designed for connection to telegraphic or telephonic apparatus or instruments or to telegraphic or telephonic networks..... | No..... | 4.9% | Free (E, IL) 0.9% (CA) | 35% |
| 8527.90.80 | | Other..... | | 6% <u>1/</u> | Free (A, B, C, E, IL) 1.2% (CA) | 35% |
| | | Radiotelephonic or radio-telegraphic receivers: | | | | |
| | 10 9 | Radio paging receivers..... | No. | | | |
| | | Other, capable of receiving signals on frequencies <u>2/</u> : | | | | |
| | | Not exceeding 30 MHz: | | | | |
| | 20 7 | Citizens Band (CB)... | No. | | | |
| | 30 5 | Other..... | No.. | | | |
| | 40 3 | Exceeding 30 MHz but not exceeding 400 MHz..... | No. | | | |
| | 50 0 | Exceeding 400 MHz but not exceeding 1,000 MHz... | No. | | | |
| | 60 8 | Exceeding 1,000 MHz..... | No. | | | |
| | 70 6 | Other..... | X | | | |

1/ Duty on certain infant nursery monitor systems temporarily suspended. See heading 9902.85.26.

2/ See U.S. statistical note 5 to this chapter.

| | | | | | | |
|------------|------|---|---------|------|----------------------------|-----|
| 8528 | | Television receivers (including video monitors and video projection television receivers), whether or not combined, in the same housing, with radiobroadcast receivers or sound or video recording or reproducing apparatus: | | | | |
| 8528.10 | | Color: | | | | |
| 8528.10.40 | 00 6 | Video recording or reproducing apparatus incorporating a television tuner..... | No..... | 3.9% | Free (A,E,IL) 2.3% (CA) | 35% |
| 8528.10.80 | | Other television receivers..... | | 5% | Free (B,E,IL) 3% (CA) | 35% |
| | | Having a picture tube: | | | | |
| | 05 2 | Combined with radiobroadcast receivers or sound or video recording or reproducing apparatus..... | No. | | | |
| | | Other: | | | | |
| | | Television receivers containing in a single housing apparatus for receiving and displaying from off-the-air each standard U.S. broadcast channel, with or without external speakers, having a single picture tube intended for direct viewing, with a video display diagonal: | | | | |
| | 12 3 | Not exceeding 21 cm..... | No. | | | |
| | 14 1 | Exceeding 21 cm but not exceeding 26 cm.. | No. | | | |
| | 15 0 | Exceeding 26 cm but not exceeding 33 cm.. | No. | | | |
| | 20 3 | Exceeding 33 cm but not exceeding 35 cm.. | No. | | | |
| | 24 9 | Exceeding 35 cm but not exceeding 37 cm.. | No. | | | |
| | 28 5 | Exceeding 37 cm but not exceeding 39 cm.. | No. | | | |
| | 30 1 | Exceeding 39 cm but not exceeding 45 cm.. | No. | | | |
| | 35 6 | Exceeding 45 cm but not exceeding 50 cm.. | No. | | | |
| | 38 3 | Exceeding 50 cm but not exceeding 52 cm.. | No. | | | |
| | 42 7 | Exceeding 52 cm | No. | | | |
| | 45 4 | Other: Having a single picture tube intended for direct viewing..... | No. | | | |
| | 50 6 | Other..... | No. | | | |
| | 55 1 | Not having a picture tube: Apparatus for the reception of television signals relayed by television satellite..... | No. | | | |
| | 58 8 | Flat panel television receivers intended for direct viewing..... | No. | | | |
| | 60 4 | Other..... | No. | | | |

| | | | | |
|----------------|---|-----|--------------------------|-----|
| 8528 (con.) | Television receivers (including video monitors and video projection television receivers), whether or not combined, in the same housing, with radiobroadcast receivers or sound or video recording or reproducing apparatus (con.): | | | |
| 8528.20.00 | Black and white or other monochrome..... | 5% | Free (B,E,IL) 3% (CA) | 35% |
| | Combined with radiobroadcast receivers or sound or video recording or reproducing apparatus, having a video display diagonal: | | | |
| 05 7 | Not exceeding 16 cm..... | No. | | |
| 10 0 | Other..... | No. | | |
| | Other: | | | |
| | Television receivers containing in a single housing apparatus for receiving and displaying from off-the-air each standard U.S. broadcast channel, with or without external speakers, having a single picture tube intended for direct viewing, with a video display diagonal: | | | |
| 20 8 | Not exceeding 17 cm..... | No. | | |
| 25 3 | Exceeding 17 cm but not exceeding 22 cm..... | No. | | |
| 30 6 | Exceeding 22 cm but not exceeding 26 cm..... | No. | | |
| 35 1 | Exceeding 26 cm but not exceeding 33 cm..... | No. | | |
| 40 4 | Exceeding 33 cm but not exceeding 45 cm..... | No. | | |
| 45 9 | Exceeding 45 cm but not exceeding 48 cm..... | No. | | |
| 50 1 | Exceeding 48 cm..... | No. | | |
| | Other: | | | |
| 55 6 | Having a single picture tube intended for direct viewing.... | No. | | |
| 60 9 | Other..... | No. | | |

| | | | | | | |
|------------|------|--|------------------|------|--|-----|
| 8529 | | Parts suitable for use solely or principally with the apparatus of headings 8525 to 8528: | | | | |
| 8529.10 | | Antennas and antenna reflectors of all kinds; parts suitable for use therewith: | | | | |
| 8529.10.20 | | Television..... | 3.7% | | Free (B,E,IL) 0.7% (CA) <u>1/</u> | 35% |
| | | Antennas: | | | | |
| | 20 5 | Receiving only..... | No | | | |
| | 50 8 | Other..... | No | | | |
| | 90 0 | Other..... | X | | | |
| 8529.10.40 | | Radar, radio navigational aid and radio remote control..... | 4.9% | | Free (A,C,E,IL) 0.9% (CA) | 35% |
| | 40 7 | Antennas..... | No | | | |
| | 80 8 | Other..... | X | | | |
| 8529.10.60 | 00 0 | Other..... | X..... | 6% | Free (A,B,C,E,IL) 1.2% (CA) <u>1/</u> | 35% |
| 8529.90 | | Other: | | | | |
| | | Of television apparatus: | | | | |
| 8529.90.10 | 00 4 | Tuners..... | No..... | 5% | Free (E,IL) 3% (CA) <u>1/2/</u> | 35% |
| | | Printed circuit boards and ceramic substrates with components assembled thereon, for color television receivers; subassemblies containing one or more of such boards or substrates, except tuners or convergence assemblies: | | | | |
| 8529.90.15 | 00 9 | Entered with components enumerated in additional U.S. note 4 to this chapter..... | No. <u>3/</u> .. | 5% | Free (B,E,IL) 3% (CA) <u>1/2/</u> | 35% |
| 8529.90.20 | 00 2 | Other..... | No. <u>3/</u> .. | 3.7% | Free (B,E,IL) 2.2% (CA) <u>1/2/</u> | 35% |
| | | Other: | | | | |
| 8529.90.30 | 00 0 | Parts of television cameras.... | X..... | 4.2% | Free (A,E,IL) 0.8% (CA) <u>1/</u> | 35% |
| 8529.90.35 | | Other..... | | 3.7% | Free (B,E,IL) 2.2% (CA) <u>1/2/</u> | 35% |
| | 40 7 | Convergence assemblies, flybacks, focus coils and degaussing coils..... | X | | | |
| | 80 8 | Other..... | X | | | |
| 8529.90.40 | | Of radar, radio navigational aid or radio remote control apparatus: | | | | |
| | | Assemblies and subassemblies, consisting of 2 or more parts or pieces fastened or joined together.. | | 4.9% | Free (A,C,E,IL) 0.9% (CA) <u>1/</u> | 35% |
| | 20 4 | Of radar apparatus..... | X | | | |
| | 40 0 | Of radio navigational aid apparatus (except radar)..... | X | | | |
| | 60 5 | Other..... | X | | | |
| 8529.90.45 | | Other..... | | 4.9% | Free (A,E,IL) 0.9% (CA) <u>1/</u> | 35% |
| | 20 9 | Of radar apparatus..... | X | | | |
| | 40 5 | Of radio navigational aid apparatus (except radar)..... | X | | | |
| | 60 0 | Other..... | X | | | |
| 8529.90.50 | 00 5 | Other..... | X..... | 5.9% | Free (A,B,E,IL) 1.1% (CA) <u>1/</u> | 35% |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheadings 9905.85.50 and 9905.85.55.
2/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.
3/ Report quantity as indicated in additional U.S. note 4(b) to this chapter.

| | | | | | | |
|------------|------|---|--------|------|----------------------|-----|
| 8530 | | Electrical signaling, safety or traffic control equipment for railways, streetcar lines, subways, roads, inland waterways, parking facilities, port installations or airfields (other than those of heading 8608); parts thereof: | | | | |
| 8530.10.00 | 00 0 | Equipment for railways, streetcar lines or subways..... | X..... | 2.7% | Free (A,CA,E,IL) | 35% |
| 8530.80.00 | 00 5 | Other equipment..... | X..... | 2.7% | Free (A,CA,E,IL) | 35% |
| 8530.90.00 | 00 3 | Parts..... | X..... | 2.7% | Free (A,CA,E,IL) | 35% |
| 8531 | | Electric sound or visual signaling apparatus (for example, bells, sirens, indicator panels, burglar or fire alarms), other than those of heading 8512 or 8530; parts thereof: | | | | |
| 8531.10.00 | | Burglar or fire alarms and similar apparatus.. | | 2.7% | Free (A,B,C,CA,E,IL) | 35% |
| | | Smoke detectors: | | | | |
| | 15 2 | Battery powered..... | No. | | | |
| | 25 0 | Other..... | No. | | | |
| | | Other: | | | | |
| | 35 8 | Burglar alarms..... | No. | | | |
| | 45 6 | Other..... | No. | | | |
| 8531.20.00 | | Indicator panels incorporating liquid crystal devices (LCD's) or light emitting diodes (LED's)..... | | 2.7% | Free (A,B,C,CA,E,IL) | 35% |
| | 20 3 | Incorporating LCD's..... | X | | | |
| | 40 9 | Other..... | X | | | |
| 8531.80.00 | | Other apparatus..... | | 2.7% | Free (A,B,C,E,IL) | 35% |
| | | Indicator panels: | | | 0.5% (CA) | |
| | 10 2 | Incorporating electric discharge (fluorescent) devices..... | X | | | |
| | 20 0 | Other..... | X | | | |
| | 30 8 | Horns..... | X | | | |
| | 35 3 | Paging alert devices..... | No. | | | |
| | 38 0 | Radar detectors of a kind used in motor vehicles..... | No. | | | |
| | 40 6 | Other sound signaling apparatus..... | X | | | |
| | 50 3 | Other..... | X | | | |
| 8531.90.00 | 00 2 | Parts..... | X..... | 2.7% | Free (A,B,E,IL) | 35% |
| | | | | | 0.5% (CA) <u>1/</u> | |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.60.

| | | | | | | |
|------------|------|--|---------|------|--|-----|
| 8532 | | Electrical capacitors, fixed, variable or adjustable (pre-set); parts thereof: | | | | |
| 8532.10.00 | 00 8 | Fixed capacitors designed for use in 50/60 Hz circuits and having a reactive power handling capacity of not less than 0.5 kvar (power capacitors)..... | No..... | 10% | Free (B,E,IL) 2% (CA) | 35% |
| 8532.21.00 | | Other fixed capacitors: | | | | |
| | 20 1 | Tantalum electrolytic..... | ..... | 10% | Free (B,CA,E,IL) | 35% |
| | | Metal case..... | No. | | | |
| | | Other: | | | | |
| | 40 7 | Dipped..... | No. | | | |
| | 50 4 | Designed for surface mounting (chips)..... | No. | | | |
| | 80 8 | Other..... | No. | | | |
| 8532.22.00 | | Aluminum electrolytic..... | ..... | 10% | Free (B,CA,E,IL) | 35% |
| | 20 0 | Not exceeding 18 mm in diameter..... | No. | | | |
| | 40 6 | Exceeding 18 mm but not exceeding 35 mm in diameter..... | No. | | | |
| | 60 1 | Exceeding 35 mm in diameter..... | No. | | | |
| 8532.23.00 | | Ceramic dielectric, single layer..... | ..... | 10% | Free (B,E,IL) 2% (CA) | 35% |
| | 20 9 | Chips..... | No. | | | |
| | | Other: | | | | |
| | 40 5 | Axial leads..... | No. | | | |
| | 60 0 | Radial leads..... | No. | | | |
| 8532.24.00 | | Ceramic dielectric, multilayer..... | ..... | 10% | Free (B,E,IL) 2% (CA) | 35% |
| | 20 8 | Chips..... | No. | | | |
| | | Other: | | | | |
| | 40 4 | Axial leads..... | No. | | | |
| | 60 9 | Radial leads..... | No. | | | |
| 8532.25.00 | | Dielectric of paper or plastics..... | ..... | 10% | Free (B,E,IL) 2% (CA) | 35% |
| | | Alternating current (AC) service: | | | | |
| | 10 9 | Less than 300 V..... | No. | | | |
| | 20 7 | 300 V or greater, but less than 600 V..... | No. | | | |
| | 30 5 | 600 V or greater, but less than 1,000 V..... | No. | | | |
| | 40 3 | 1,000 V or greater..... | No. | | | |
| | | Other: | | | | |
| | 50 0 | Leadless..... | No. | | | |
| | 60 8 | Axial leads..... | No. | | | |
| | 70 6 | Radial leads..... | No. | | | |
| | 80 4 | Other..... | No. | | | |
| 8532.29.00 | | Other..... | ..... | 10% | Free (A,B,E,IL) 2% (CA) | 35% |
| | 20 3 | Mica dielectric..... | No. | | | |
| | 40 9 | Other..... | No. | | | |
| 8532.30.00 | | Variable or adjustable (pre-set) capacitors..... | ..... | 10% | Free (B,CA,E,IL) | 35% |
| | 10 2 | Mica, ceramic or glass dielectric..... | No. | | | |
| | 90 5 | Other..... | No. | | | |
| 8532.90.00 | 00 1 | Parts..... | X..... | 3.9% | Free (A,B,E,IL) 0.7% (CA) <u>1/</u> | 35% |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.65.

| | | | | | |
|------------|------|---|---------|--------------------|----------------------|
| 8533 | | Electrical resistors (including rheostats and potentiometers), other than heating resistors; parts thereof: | | | |
| 8533.10.00 | | Fixed carbon resistors, composition or film types..... | 6% | Free (A,B,CA,E,IL) | 35% |
| | | Designed for surface mounting (SMD) by contact: | | | |
| | 20 3 | Having more than two terminals (resistor networks)..... | No. | | |
| | 42 7 | Having two terminals..... | No. | | |
| | 57 9 | Having more than two leads (resistor networks)..... | No. | | |
| | | Having two leads: | | | |
| | 60 4 | Carbon composition..... | No. | | |
| | 65 9 | Carbon film..... | No. | | |
| 8533.21.00 | | Other fixed resistors: | | | |
| | | For a power handling capacity not exceeding 20 W..... | 6% | Free (B,CA,E,IL) | 35% |
| | | Designed for surface mounting (SMD) by contact: | | | |
| | | Having more than two terminals (resistor networks): | | | |
| | 10 2 | Dual-in-line package..... | No. | | |
| | 20 0 | Other (including flat packs)..... | No. | | |
| | | Having two terminals: | | | |
| | 30 8 | Flat resistor chips..... | No. | | |
| | 40 6 | Cylindrical leadless resistors (including metal film, metal oxide and thick cement film).... | No. | | |
| | | Having more than two leads (resistor networks): | | | |
| | 50 3 | Single-in-line..... | No. | | |
| | 60 1 | Dual-in-line..... | No. | | |
| | 70 9 | Other..... | No. | | |
| | | Having two leads: | | | |
| | 80 7 | Wirewound..... | No. | | |
| | 90 5 | Other (including metal film, metal oxide and thick cement film)..... | No. | | |
| 8533.29.00 | 00 6 | Other..... | No..... | 6% | Free (B,CA,E,IL) 35% |
| | | Wirewound variable resistors, including rheostats and potentiometers: | | | |
| 8533.31.00 | 00 2 | For a power handling capacity not exceeding 20 W..... | No..... | 6% | Free (B,CA,E,IL) 35% |
| 8533.39.00 | | Other..... | ..... | 6% | Free (B,CA,E,IL) 35% |
| | 40 6 | Dimmers..... | No. | | |
| | 80 7 | Other..... | No. | | |
| 8533.40.00 | | Other variable resistors, including rheostats and potentiometers..... | ..... | 6% <u>1/</u> | Free (B,CA,E,IL) 35% |
| | 40 3 | Rheostat and resistor type motor starters and controllers..... | No. | | |
| | | Other: | | | |
| | 50 0 | Cermet..... | No. | | |
| | 60 8 | Metal glaze..... | No. | | |
| | 70 6 | Other..... | No. | | |
| 8533.90.00 | 00 0 | Parts..... | X..... | 6% | Free (B,CA,E,IL) 35% |

1/ Duty on metal oxide varistors temporarily suspended. See heading 9902.85.33.

| | | | | | |
|------------|--|---------|------|----------------|----------------|
| 8534.00.00 | Printed circuits..... | 5.3% | Free | (A,B,CA,E,IL) | 35% |
| | Plastics impregnated, not flexible type: | | | | |
| | Having a base wholly of impregnated glass: | | | | |
| 20 4 | With 3 or more layers of conducting materials..... | No. | | | |
| 40 0 | Other..... | No. | | | |
| 50 7 | Having a base wholly of impregnated paper..... | No. | | | |
| 70 3 | Other..... | No. | | | |
| | Other: | | | | |
| 80 1 | Flexible type..... | No. | | | |
| 90 9 | Other..... | No. | | | |
| 8535 | Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, fuses, lightning arresters, voltage limiters, surge suppressors, plugs, junction boxes), for a voltage exceeding 1,000 V: | | | | |
| 8535.10.00 | Fuses..... | 5.3% | Free | (A,E,IL) | 35% |
| | In circuits of 2,300 V or more..... | No. | 3.1% | (CA) | |
| 20 1 | Other..... | No. | | | |
| 40 7 | Automatic circuit breakers: | | | | |
| 8535.21.00 | For a voltage of less than 72.5 kV..... | No..... | 5.3% | Free | (A,E,IL) |
| | Other..... | | 5.3% | Free | (A,E,IL) |
| 8535.29.00 | In circuits of 345 kV or more..... | No. | 3.1% | (CA) | 35% |
| 20 0 | Other..... | No. | | | |
| 40 6 | Isolating switches and make-and-break switches..... | | 5.3% | Free | (A,E,IL) |
| 8535.30.00 | Knife..... | No. | 3.1% | (CA) | 35% |
| 40 3 | Other..... | No. | | | |
| 80 4 | Lightning arresters, voltage limiters and surge suppressors..... | X..... | 5.3% | Free | (A*,E,IL) |
| 8535.40.00 | Other..... | | 5.3% | Free | (A,E,IL) |
| 8535.90.00 | Terminals, electrical splices and electrical couplings..... | No. | | 3.1% | (CA) <u>1/</u> |
| 20 4 | Other connectors..... | No. | | | |
| 40 0 | Other..... | No. | | | |
| 60 5 | Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders, junction boxes), for a voltage not exceeding 1,000 V: | | | | |
| 8536 | Fuses..... | 5.3% | Free | (A,B,E,IL) | 35% |
| 8536.10.00 | Glass cartridge..... | No. | 3.1% | (CA) <u>2/</u> | |
| 20 0 | Other..... | No. | | | |
| 40 6 | Automatic circuit breakers..... | | 5.3% | Free | (A,B,E,IL) |
| 8536.20.00 | Molded case..... | No. | 3.1% | (CA) <u>2/</u> | 35% |
| 20 8 | Other..... | No. | | | |
| 40 4 | Other apparatus for protecting electrical circuits..... | X..... | 5.3% | Free | (A,B,E,IL) |
| 8536.30.00 | | | 3.1% | (CA) <u>2/</u> | 35% |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheading 9905.85.66.
2/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

| | | | | |
|----------------|---|--------------|--|-----|
| 8536 (con.) | Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders, junction boxes), for a voltage not exceeding 1,000 V (con.): | | | |
| | Relays: | | | |
| 8536.41.00 | For a voltage not exceeding 60 V..... | 5.3% | Free (A,B,E,IL) 1% (CA) <u>1/</u> | 35% |
| 05 2 | Automotive signaling flashers..... | No. | | |
| | Other: | | | |
| | With contacts rated at less than 10 A: | | | |
| 20 3 | Electromechanical..... | No. | | |
| 30 1 | Other..... | No. | | |
| | Other: | | | |
| 45 4 | Contactors..... | No. | | |
| | Other: | | | |
| 50 6 | Electromechanical.... | No. | | |
| 60 4 | Other..... | No. | | |
| 8536.49.00 | Other..... | 5.3% | Free (A,B,E,IL) 3.1% (CA) <u>1/2/</u> | 35% |
| | With contacts rated at less than 10 A: | | | |
| 50 8 | Electromechanical..... | No. | | |
| 55 3 | Other..... | No. | | |
| | Other: | | | |
| 65 1 | Contactors..... | No. | | |
| | Other: | | | |
| 75 9 | Electromechanical..... | No. | | |
| 80 2 | Other..... | No. | | |
| 8536.50.00 | Other switches..... | 5.3% | Free (A*,B,E,IL) 3.1% (CA) <u>1/</u> | 35% |
| 10 3 | Motor starters..... | No. | | |
| | Other: | | | |
| | Rotary: | | | |
| 20 1 | Rated at not over 5 A..... | No. | | |
| 25 6 | Rated at over 5 A..... | No. | | |
| | Push-button: | | | |
| | Rated at not over 5 A: | | | |
| 31 8 | Momentary contact..... | No. | | |
| 32 7 | Other, gang switches..... | No. | | |
| 33 6 | Other..... | No. | | |
| 35 4 | Rated at over 5 A..... | No. | | |
| 40 7 | Snap-action, other than limit..... | No. | | |
| 45 2 | Knife..... | No. | | |
| 50 4 | Slide..... | No. | | |
| 55 9 | Limit..... | No. | | |
| 60 2 | Other..... | No. | | |
| | Lamp-holders, plugs and sockets: | | | |
| 8536.61.00 | Lamp-holders..... | No..... 5.3% | Free (A,B,E,IL) 3.1% (CA) | 35% |
| 8536.69.00 | Other..... | 5.3% | Free (A,B,E,IL) 3.1% (CA) <u>1/</u> | 35% |
| 10 2 | Coaxial connectors..... | No. | | |
| 20 0 | Cylindrical multicontact connectors..... | No. | | |
| 30 8 | Rack and panel connectors..... | No. | | |
| 40 6 | Printed circuit connectors..... | No. | | |
| 50 3 | Ribbon or flat cable connectors..... | No. | | |
| 60 1 | Other..... | X | | |
| 8536.90.00 | Other apparatus..... | 5.3% | Free (A,B,E,IL) 3.1% (CA) <u>1/2/</u> | 35% |
| 10 5 | Electrical distribution ducts..... | X | | |
| 30 1 | Junction boxes..... | No. | | |
| 60 4 | Terminals, electrical splices and electrical couplings..... | X | | |
| 90 8 | Other..... | X | | |

1/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

2/ Duty suspended on certain articles originating in the territory of Canada. See subheadings 9905.85.67 and 9905.85.68.

| | | | | | |
|------------|---|--|------|---|-----|
| 8537 | Boards, panels (including numerical control panels), consoles, desks, cabinets and other bases, equipped with two or more apparatus of heading 8535 or 8536, for electric control or the distribution of electricity, including those incorporating instruments or apparatus of chapter 90, other than switching apparatus of heading 8517: | | | | |
| 8537.10.00 | | For a voltage not exceeding 1,000 V..... | 5.3% | Free (A,B,E,IL) 1% (CA) <u>1</u> / | 35% |
| | 20 9 | Switchgear assemblies and switchboards... No. | | | |
| | 30 7 | Numerical controls for controlling machine tools..... No. | | | |
| | 40 5 | Motor control centers..... No. | | | |
| | | Other: | | | |
| | 50 2 | Panel boards and distribution boards..... No. | | | |
| | 60 0 | Programmable controllers..... No. | | | |
| | 70 8 | Other..... No. | | | |
| 8537.20.00 | | For a voltage exceeding 1,000 V..... | 5.3% | Free (A,E,IL) 1% (CA) | 35% |
| | 20 7 | Switchgear assemblies and switchboards... No. | | | |
| | 40 3 | Other..... No. | | | |
| 8538 | Parts suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537: | | | | |
| 8538.10.00 | 00 2 | Boards, panels, consoles, desks, cabinets and other bases for the goods of heading 8537, not equipped with their apparatus..... X..... | 5.3% | Free (A,B,E,IL) 1% (CA) | 35% |
| 8538.90.00 | | Other..... | 5.3% | Free (A,B,E,IL) 3.1% (CA) <u>1</u> / | 35% |
| | 20 1 | Of automatic circuit breakers..... X | | | |
| | | Other: | | | |
| | 40 7 | Metal contacts..... X | | | |
| | 60 2 | Other parts of switchgear, switchboards, panel boards and distribution boards..... X | | | |
| | 80 8 | Other..... X | | | |
| 8539 | Electrical filament or discharge lamps, including sealed beam lamp units and ultra-violet or infrared lamps; arc lamps; parts thereof: | | | | |
| 8539.10.00 | | Sealed beam lamp units..... | 3.1% | Free (A,B,C,CA,E, IL) | 20% |
| | | Under 15.24 cm: | | | |
| | 10 9 | For the vehicles of sub-heading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711..... No. | | | |
| | 30 5 | Other..... No. | | | |
| | | 15.24 cm or over: | | | |
| | 50 0 | For the vehicles of sub-heading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711..... No. | | | |
| | 60 8 | Other..... No. | | | |
| | | Other filament lamps, excluding ultraviolet or infrared lamps: | | | |
| | | Tungsten halogen: | | | |
| 8539.21 | | Designed for a voltage not exceeding 100 V..... | Free | | 20% |
| 8539.21.20 | 40 6 | For the vehicles of subheading 8401.20 or heading 8702, 8703, 8704, 8705 or 8711..... No. | | | |
| | 80 7 | Other..... No. | | | |
| 8539.21.40 | | Other..... | 4% | Free (A,CA,E,IL) | 20% |
| | 40 2 | Of a power less than 500 W..... No. | | | |
| | 80 3 | Of a power 500 W or more..... No. | | | |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheadings 9905.85.69 and 9905.85.71.

| | | | | | | | |
|----------------|------|---|---------|------|-------------------|-----|--|
| 8539 (con.) | | Electrical filament or discharge lamps, including sealed beam lamp units and ultra- violet or infrared lamps; arc lamps; parts thereof (con.): | | | | | |
| | | Other filament lamps, excluding ultraviolet or infrared lamps (con.): | | | | | |
| 8539.22 | | Other, of a power not exceeding 200 W and for a voltage exceeding 100 V: | | | | | |
| 8539.22.40 | 00 9 | Christmas-tree lamps..... | No..... | 5.8% | Free (A,E,IL) | 20% | |
| | | | | | 3.4% (CA) | | |
| 8539.22.80 | | Other..... | | 4% | Free (A,E,IL) | 20% | |
| | | | | | 2.4% (CA) | | |
| | | Of a power not exceeding 150 W: | | | | | |
| | 10 8 | 3-way..... | No. | | | | |
| | 30 4 | Decorative..... | No. | | | | |
| | | Other, including standard household: | | | | | |
| | 40 2 | Of a power 15 W or more but not exceeding 150 W..... | No. | | | | |
| | 60 7 | Other..... | No. | | | | |
| | 70 5 | Of a power exceeding 150 W..... | No. | | | | |
| 8539.29 | | Other: | | | | | |
| | | Designed for a voltage not exceeding 100 V: | | | | | |
| 8539.29.10 | 00 8 | Christmas-tree lamps..... | No..... | 5.8% | Free (A,CA,E,IL) | 20% | |
| 8539.29.20 | 00 6 | Lamps having glass envelopes not over 6.35 mm in maximum diameter and suitable for use in cystoscopes and other surgical instruments..... | No..... | 7.9% | Free (A,CA,E,IL) | 55% | |
| 8539.29.30 | | Other..... | | Free | | 20% | |
| | 20 0 | Flashlight lamps..... | No. | | | | |
| | 50 3 | Other: | | | | | |
| | | Designed for a voltage of 12 V or more but not exceeding 14 V..... | No. | | | | |
| | 60 1 | Other..... | No. | | | | |
| 8539.29.40 | 00 2 | Designed for a voltage exceeding 100 V..... | No..... | 4% | Free (A,CA,E,IL) | 20% | |
| | | Discharge lamps, other than ultraviolet lamps: | | | | | |
| 8539.31.00 | | Fluorescent, hot cathode..... | | 3.7% | Free (A,E,IL) | 20% | |
| | 40 8 | 1.2 m, straight tube, of a power 30 W or more but not exceeding 40 W..... | No. | | 2.2% (CA) | | |
| | 80 9 | Other..... | No. | | | | |
| 8539.39.00 | | Other..... | | 3.7% | Free (A,E,IL) | 20% | |
| | 20 4 | Sodium vapor..... | No. | | 2.2% (CA) | | |
| | 40 0 | Mercury vapor..... | No. | | | | |
| | 60 5 | Other..... | No. | | | | |
| 8539.40 | | Ultraviolet or infrared lamps; arc lamps: | | | | | |
| 8539.40.40 | 00 7 | Arc lamps..... | No..... | 3.9% | Free (A,CA,E,IL) | 35% | |
| 8539.40.80 | | Other..... | | 3.7% | Free (A,CA,E,IL) | 35% | |
| | 40 0 | Ultraviolet lamps..... | No. | | | | |
| | 80 1 | Other..... | No. | | | | |
| 8539.90.00 | 00 4 | Parts..... | X..... | 3.9% | Free (A*,CA,E,IL) | 35% | |

| | | | | | |
|------------|------|---|------|------------------------------|-----|
| 8540 | | Thermionic, cold cathode or photocathode tubes (for example, vacuum or vapor or gas filled tubes, mercury arc rectifying tubes, cathode-ray tubes, television camera tubes); parts thereof: | | | |
| | | Cathode-ray television picture tubes, including video monitor cathode-ray tubes: | | | |
| 8540.11.00 | | Color..... | 15% | Free (B,E,IL) 9% (CA) | 60% |
| | | Having a video display diagonal: | | | |
| | 10 5 | Not exceeding 33 cm..... | No. | | |
| | 20 3 | Exceeding 33 cm but not exceeding 35 cm..... | No. | | |
| | 30 1 | Exceeding 35 cm but not exceeding 39 cm..... | No. | | |
| | 40 9 | Exceeding 39 cm but not exceeding 45 cm..... | No. | | |
| | 50 6 | Exceeding 45 cm but not exceeding 50 cm..... | No. | | |
| | 55 1 | Exceeding 50 cm but not exceeding 63 cm..... | No. | | |
| | 65 9 | Exceeding 63 cm but not exceeding 67 cm..... | No. | | |
| | 80 0 | Exceeding 67 cm..... | No. | | |
| 8540.12 | | Black and white or other monochrome: | | | |
| 8540.12.40 | | Television picture tubes having a straight line dimension across the faceplate greater than 29 cm but having no straight line dimension across the faceplate that exceeds 42 cm..... | 7.2% | Free (A,B,E,IL) 4.3% (CA) | 60% |
| | 40 0 | Projection..... | No. | | |
| | 80 1 | Other..... | No. | | |
| 8540.12.80 | | Other..... | 6.5% | Free (B,E,IL) 3.9% (CA) | 60% |
| | 40 1 | Projection..... | No. | | |
| | 80 2 | Other..... | No. | | |
| 8540.20 | | Television camera tubes; image converters and intensifiers; other photocathode tubes: | | | |
| 8540.20.20 | | Cathode-ray tubes..... | 6% | Free (B,CA,E,IL) | 35% |
| | 40 4 | Color..... | No. | | |
| | 80 5 | Other..... | No. | | |
| 8540.20.40 | 00 8 | Other..... | 4.2% | Free (B,CA,E,IL) | 35% |
| 8540.30.00 | | Other cathode-ray tubes..... | 6% | Free (B,CA,E,IL) | 35% |
| | | Color, having a video display diagonal: | | | |
| | 20 0 | Not exceeding 30 cm..... | No. | | |
| | 40 6 | Exceeding 30 cm but not exceeding 33 cm..... | No. | | |
| | 60 1 | Exceeding 33 cm but not exceeding 36 cm..... | No. | | |
| | 80 7 | Exceeding 36 cm..... | No. | | |
| | 90 5 | Other..... | No. | | |

| | | | | | |
|----------------|------|--|---------|-----------|----------------------|
| 8540 (con.) | | Thermionic, cold cathode or photocathode tubes (for example, vacuum or vapor or gas filled tubes, mercury arc rectifying tubes, cathode-ray tubes, television camera tubes); parts thereof (con.): Microwave tubes (for example, magnetrons, klystrons, traveling wave tubes, carcinotrons), excluding grid-controlled tubes: | | | |
| 8540.41 | | Magnetrons: | | | |
| 8540.41.20 | 00 7 | Modified for use as parts of micro-wave ovens..... | No..... | Free | 35% |
| 8540.41.40 | 00 3 | Other..... | No..... | 4.2% | Free (CA, E, IL) 35% |
| 8540.42.00 | 00 0 | Klystrons..... | No..... | 4.2% | Free (CA, E, IL) 35% |
| 8540.49.00 | 00 3 | Other..... | No..... | 4.2% | Free (CA, E, IL) 35% |
| | | Other tubes: | | | |
| 8540.81.00 | 00 2 | Receiver or amplifier tubes..... | No..... | 4.2% | Free (B, E, IL) 35% |
| | | | | 2.5% (CA) | |
| 8540.89.00 | | Other..... | | 4.2% | Free (B, E, IL) 35% |
| | 20 0 | Gas and vapor electron tubes..... | No. | | 2.5% (CA) |
| | 40 6 | Diodes, triodes and tetrodes..... | No. | | |
| | 60 1 | Light-sensing tubes..... | No. | | |
| | 80 7 | Other..... | No. | | |
| | | Parts: | | | |
| | | Of cathode-ray tubes: | | | |
| 8540.91 | | Deflection coils..... | X..... | 3.7% | Free (B, E, IL) 35% |
| 8540.91.20 | 00 6 | | | 2.2% (CA) | |
| 8540.91.40 | 00 2 | Other..... | X..... | 6% | Free (B, E, IL) 35% |
| | | | | 3.6% (CA) | |
| 8540.99.00 | 00 2 | Other..... | X..... | 4.2% | Free (E, IL) 35% |
| | | | | 2.5% (CA) | |

| | | | | | | |
|------------|------------|---|--------------|------|--------------------|-----|
| 8541 | | Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes; mounted piezoelectric crystals; parts thereof: | | | | |
| 8541.10.00 | | Diodes, other than photosensitive or light-emitting diodes..... | Free | | | 35% |
| | 40 9 | Unmounted chips, dice and wafers..... | No. | | | |
| | | Other: | | | | |
| | 50 6 | Zener..... | No. | | | |
| | 60 4 | Microwave..... | No. | | | |
| | | Other: | | | | |
| | 70 2 | With a maximum current of 0.5 A or less..... | No. | | | |
| | 80 0 | Other..... | No. | | | |
| | | Transistors, other than photosensitive transistors: | | | | |
| 8541.21.00 | | With a dissipation rate of less than 1 W..... | Free | | | 35% |
| | 40 6 | Unmounted chips, dice and wafers.... | No. | | | |
| | | Other: | | | | |
| | 60 1 | Radio frequency..... | No. | | | |
| | 90 5 | Other..... | No. | | | |
| 8541.29.00 | | Other..... | Free | | | 35% |
| | 40 8 | Unmounted chips, dice and wafers.... | No. | | | |
| | | Other: | | | | |
| | 60 3 | Radio frequency..... | No. | | | |
| | 90 7 | Other..... | No. | | | |
| 8541.30.00 | | Thyristors, diacs and triacs, other than photosensitive devices..... | Free | | | 35% |
| | 40 5 | Unmounted chips, dice and wafers..... | No. | | | |
| | 80 6 | Other..... | No. | | | |
| 8541.40 | | Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes: | | | | |
| 8541.40.20 | 00 7 | Light-emitting diodes (LED's)..... | No..... | 2% | Free (A,CA,E,IL) | 20% |
| 8541.40.60 | | Other diodes..... | Free | | | 35% |
| | 10 6 | Unmounted chips, dice and wafers.... | No. | | | |
| | | Other: | | | | |
| | | Solar cells: | | | | |
| | 20 4 | Assembled into modules or made up into panels.... | No. | | | |
| | | Other..... | No. | | | |
| | 30 2 | Other..... | No. | | | |
| 8541.40.70 | | Transistors..... | Free | | | 35% |
| | 40 8 | Unmounted chips, dice and wafers.... | No. | | | |
| | 80 9 | Other..... | No. | | | |
| | | Other: | | | | |
| | 8541.40.80 | Optical coupled isolators..... | No..... | 4.2% | Free (A,B,CA,E,IL) | 35% |
| | 8541.40.95 | Other..... | No..... | 4.2% | Free (B,CA,E,IL) | 35% |
| 8541.50.00 | | Other semiconductor devices..... | 1% <u>1/</u> | | Free (B,CA,E,IL) | 35% |
| | 40 0 | Unmounted chips, dice and wafers..... | No. | | | |
| | 80 1 | Other..... | No. | | | |
| 8541.60.00 | | Mounted piezoelectric crystals..... | 4.2% | | Free (B,CA,E,IL) | 35% |
| | | Quartz designed for operating frequencies of: | | | | |
| | 10 4 | 32.768 kHz..... | No. | | | |
| | 20 2 | Not exceeding 1 MHz, except 32.768 kHz..... | No. | | | |
| | 30 0 | Exceeding 1 MHz, but not exceeding 5 Mhz..... | No. | | | |
| | 50 5 | Exceeding 5 MHz, but not exceeding 20 Mhz..... | No. | | | |
| | 60 3 | Exceeding 20 MHz..... | No. | | | |
| | 80 9 | Other..... | No. | | | |
| 8541.90.00 | 00 0 | Parts..... | X..... | Free | | 35% |

1/ Duty on metal oxide varistors temporarily suspended. See heading 9902.85.33.

| | | | | |
|------------|------|---|------|-----|
| 8542 | | Electronic integrated circuits and microassemblies; parts thereof: | | |
| | | Monolithic integrated circuits: | | |
| 8542.11.00 | | Digital..... | Free | 35% |
| | | Silicon: | | |
| | 01 4 | Unmounted chips, dice and wafers..... | No. | |
| | | Other: | | |
| | | Bipolar transistors: | | |
| | | Memory: | | |
| | 04 1 | Static read- write random access (SRAM)... | No. | |
| | 07 8 | Other..... | No. | |
| | | Other, including logic: | | |
| | 11 2 | Transistor- transistor logic (TTL).... | No. | |
| | 12 1 | Emitter coupled logic (ECL).... | No. | |
| | 17 6 | Other..... | No. | |
| | | Metal oxide semiconductor (MOS) field effect transistors: | | |
| | | Volatile memory: | | |
| | | Dynamic read- write random access (DRAM): | | |
| | 21 0 | Not over 40,000 bits..... | No. | |
| | 22 9 | Over 40,000 bits but not over 80,000 bits..... | No. | |
| | 23 8 | Over 80,000 bits but not over 300,000 bits..... | No. | |
| | 24 7 | Over 300,000 bits but not over 3,000,000 bits..... | No. | |
| | 26 5 | Over 3,000,000 bits but not over 15,000,000 bits..... | No. | |
| | 34 5 | Over 15,000,000 bits..... | No. | |

8542 Electronic integrated circuits and microassemblies;
(con.) parts thereof (con.):
8542.11.00 Monolithic integrated circuits (con.):
(con.) Digital (con.)
Silicon (con.):
Other (con.):
Metal oxide semiconductor
(MOS) field effect
transistors (con.):
Volatile memory
(con.):
Static read-
write random
access (SRAM):
37 2 Not over
40,000
bits..... No.
38 1 Over
40,000
bits
but not
over
80,000
bits..... No.
39 0 Over
80,000
bits
but not
over
300,000
bits..... No.
41 6 Over
300,000
bits
but not
over
3,000,000
bits..... No.
49 8 Over
3,000,000
bits..... No.
Other memory:
Electrically
erasable pro-
grammable
read-only
memory
(EEPROM):
51 3 Not over
80,000
bits..... No.
52 2 Over
80,000
bits
but not
over
900,000
bits..... No.
57 7 Over
900,000
bits..... No.

| | | | |
|----------------------|---|---|-----|
| 8542 (con.) | Electronic integrated circuits and microassemblies; parts thereof (con.): | | |
| 8542.11.00 (con.) | Monolithic integrated circuits (con.): | | |
| | Digital (con.) | | |
| | Silicon (con.): | | |
| | Other (con.): | | |
| | Metal oxide semiconductor (MOS) field effect transistors (con.): | | |
| | Other memory: (con.): | | |
| | Erasable (except elec- trically) pro- grammable read-only memory (EPROM): | | |
| 58 6 | | Not over 80,000 bits..... | No. |
| 59 5 | | Over 80,000 bits but not over 900,000 bits..... | No. |
| 60 2 | | Over 900,000 bits..... | No. |
| 65 7 | | Other..... | No. |
| | Other, including microprocessors, controllers, appli- cation specific integrated circuits (ASIC), and pro- grammable logic arrays (PLA): | | |
| | Microproces- sors having an internal data bus of: | | |
| 66 6 | | 8 bits or less.... | No. |
| 67 5 | | 16 bits.... | No. |
| 68 4 | | 32 bits or more.... | No. |
| 72 8 | | Other..... | No. |
| | Other, including bipolar combined with MOS integrated circuits (BiMOS): | | |
| | Complementary BiMOS (BiCMOS): | | |
| 73 7 | | Memory..... | No. |
| 78 2 | | Other, including logic. | No. |
| 79 1 | | Other..... | No. |
| | Other than silicon: | | |
| 84 4 | | Unmounted chips, dice and wafers..... | No. |
| | Other: | | |
| 90 6 | | Memory..... | No. |
| 95 1 | | Other, including logic.... | No. |

| | | | | | | | | |
|------------|------|---|---------|------|--|---------------------|-----|--|
| 8542 | | Electronic integrated circuits and microassemblies; | | | | | | |
| (con.) | | parts thereof (con.): | | | | | | |
| | | Monolithic integrated circuits (con.): | | | | | | |
| 8542.19.00 | | Other..... | Free | | | | 35% | |
| | 40 9 | Unmounted chips, dice and wafers.... | No. | | | | | |
| | | Other: | | | | | | |
| | 45 4 | Radio frequency..... | No. | | | | | |
| | | Other: | | | | | | |
| | 55 1 | Analog..... | No. | | | | | |
| | | Other, including mixed | | | | | | |
| | | signal (analog/digital): | | | | | | |
| | 70 2 | Logic..... | No. | | | | | |
| | 85 5 | Other..... | No. | | | | | |
| 8542.20.00 | | Hybrid integrated circuits..... | Free | | | | 35% | |
| | 40 6 | Unmounted chips, dice and wafers..... | No. | | | | | |
| | | Other: | | | | | | |
| | 60 1 | Radio frequency..... | No. | | | | | |
| | 90 5 | Other..... | No. | | | | | |
| 8542.80.00 | 00 1 | Other..... | No..... | 3.9% | | Free (A,B,CA,E,IL) | 35% | |
| 8542.90.00 | 00 9 | Parts..... | X..... | Free | | | 35% | |
| 8543 | | Electrical machines and apparatus, having | | | | | | |
| | | individual functions, not specified or included | | | | | | |
| | | elsewhere in this chapter; parts thereof: | | | | | | |
| 8543.10.00 | | Particle accelerators..... | | 3.9% | | Free (A,E,IL) | 35% | |
| | | | | | | 0.7% (CA) | | |
| | 40 7 | Ion implanters designed for doping | | | | | | |
| | | semiconductor wafers..... | No. | | | | | |
| | 80 8 | Other..... | No. | | | | | |
| 8543.20.00 | 00 3 | Signal generators..... | No..... | 3.9% | | Free (A,CA,E,IL) | 35% | |
| 8543.30.00 | 00 1 | Machines and apparatus for electroplating, | | | | | | |
| | | electrolysis or electrophoresis..... | X..... | 3.9% | | Free (A,E,IL) | 35% | |
| | | | | | | 0.7% (CA) | | |
| 8543.80 | | Other machines and apparatus: | | | | | | |
| 8543.80.40 | 00 2 | Electric synchros and transducers; | | | | | | |
| | | flight data recorders; defrosters | | | | | | |
| | | and demisters with electric resistors | | | | | | |
| | | for aircraft..... | X..... | 3.9% | | Free (A,C,E,IL) | 35% | |
| | | | | | | 0.7% (CA) | | |
| 8543.80.60 | 00 7 | Articles designed for connection to | | | | | | |
| | | telegraphic or telephonic apparatus | | | | | | |
| | | or instruments or to telegraphic or | | | | | | |
| | | telephonic networks..... | X..... | 3.9% | | Free (A,B,E,IL) | 35% | |
| | | | | | | 0.7% (CA) | | |
| 8543.80.70 | 00 5 | Electric luminescent lamps..... | No..... | 2% | | Free (A,E,IL) | 20% | |
| | | | | | | 0.4% (CA) | | |
| 8543.80.90 | | Other..... | | 3.9% | | Free (A*,B,E,IL) | 35% | |
| | | | | | | 0.7% (CA) <u>1/</u> | | |
| | 20 7 | Resistor/capacitor networks..... | No. | | | | | |
| | 40 3 | Electric fence controllers..... | No. | | | | | |
| | 60 8 | Amplifiers..... | No. | | | | | |
| | 70 6 | Special effects pedals for use | | | | | | |
| | | with musical instruments..... | No. | | | | | |
| | 80 4 | Other..... | X | | | | | |
| 8543.90 | | Parts: | | | | | | |
| 8543.90.40 | 00 0 | Assemblies and subassemblies for | | | | | | |
| | | flight data recorders, consisting of | | | | | | |
| | | two or more parts or pieces fastened | | | | | | |
| | | or joined together..... | X..... | 3.9% | | Free (A,B,C,E,IL) | 35% | |
| | | | | | | 0.7% (CA) | | |
| 8543.90.80 | | Other..... | | 3.9% | | Free (A,B,E,IL) | 35% | |
| | | | | | | 0.7% (CA) <u>1/</u> | | |
| | 40 3 | Of particle accelerators..... | X | | | | | |
| | 80 4 | Other..... | X | | | | | |

1/ Duty suspended on certain articles originating in the territory of Canada. See subheadings 9905.85.70 and 9905.85.72.

| | | | | | | |
|------------|------|--|----------|-----------------|----------------------|-----|
| 8544 | | Insulated (including enameled or anodized) wire, cable (including coaxial cable) and other insulated electric conductors, whether or not fitted with connectors; optical fiber cables, made up of individually sheathed fibers, whether or not assembled with electric conductors or fitted with connectors: | | | | |
| | | Winding wire: | | | | |
| 8544.11.00 | | Of copper..... | 5.3% | Free (A,B,E,IL) | 40% | |
| | 20 9 | 33 AWG (0.18 mm in diameter) and finer..... | kg | 3.1% (CA) | | |
| | 30 7 | 22 AWG (0.643 mm in diameter) and finer but larger than 33 AWG (0.18 mm in diameter)..... | kg | | | |
| | 50 2 | Other..... | kg | | | |
| 8544.19.00 | 00 5 | Other..... | kg..... | 4.9% | Free (A,B,E,IL) | 35% |
| | | | | | 2.9% (CA) | |
| 8544.20.00 | 00 2 | Coaxial cable and other coaxial electric conductors..... | kg..... | 5.3% | Free (A,B,E,IL) | 35% |
| | | | | | 3.1% (CA) 1/ | |
| 8544.30.00 | 00 0 | Ignition wiring sets and other wiring sets of a kind used in vehicles, aircraft or ships.... | X..... | 5% | Free (A,B,C,CA,E,IL) | 30% |
| | | Other electric conductors, for a voltage not exceeding 80 V: | | | | |
| 8544.41.00 | 00 7 | Fitted with connectors..... | X..... | 5.3% | Free (A,B,E,IL) | 35% |
| | | | | | 3.1% (CA) 1/ | |
| 8544.49.00 | 00 9 | Other..... | kg..... | 5.3% | Free (A,B,E,IL) | 40% |
| | | | | | 3.1% (CA) | |
| | | Other electric conductors, for a voltage exceeding 80 V but not exceeding 1,000 V: | | | | |
| 8544.51 | | Fitted with connectors: | | | | |
| 8544.51.40 | 00 6 | Fitted with modular telephone connectors..... | X..... | 5.3% | Free (A,E,IL) | 35% |
| | | | | | 3.1% (CA) | |
| 8544.51.80 | 00 7 | Other..... | X..... | 5.3% | Free (A*,B,E,IL) | 35% |
| | | | | | 3.1% (CA) | |
| 8544.59 | | Other: | | | | |
| 8544.59.20 | | Of copper..... | | 5.3% | Free (A,B,E,IL) | 40% |
| | | | | | 3.1% (CA) | |
| | 40 4 | For a voltage exceeding 600 V.. | kg | | | |
| | 80 5 | Other..... | kg | | | |
| 8544.59.40 | 00 8 | Other..... | kg..... | 4.9% | Free (A,B,E,IL) | 35% |
| | | | | | 2.9% (CA) | |
| 8544.60 | | Other electric conductors, for a voltage exceeding 1,000 V: | | | | |
| 8544.60.20 | 00 9 | Fitted with connectors..... | X..... | 5.3% | Free (A,B,E,IL) | 35% |
| | | | | | 3.1% (CA) | |
| | | Other: | | | | |
| 8544.60.40 | 00 5 | Of copper..... | kg..... | 5.3% | Free (A,B,E,IL) | 40% |
| | | | | | 3.1% (CA) | |
| 8544.60.60 | 00 0 | Other..... | kg..... | 4.9% | Free (A,B,E,IL) | 35% |
| | | | | | 2.9% (CA) | |
| 8544.70.00 | 00 1 | Optical fiber cables..... | Fiber m. | 8.4% | Free (A,E,IL) | 65% |
| | | | | | 5% (CA) | |

1/ Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

| | | | | | | | | |
|------------|------|--|--|---------|------|---------------------|-----|--|
| 8545 | | | Carbon electrodes, carbon brushes, lamp carbons, battery carbons and other articles of graphite or other carbon, with or without metal, of a kind used for electrical purposes: | | | | | |
| | | | Electrodes: | | | | | |
| 8545.11.00 | 00 2 | | Of a kind used for furnaces..... | kg..... | 2.4% | Free (A,E,IL) | 45% | |
| | | | | | | 0.4% (CA) | | |
| 8545.19 | | | Other: | | | | | |
| 8545.19.20 | 00 0 | | Of a kind used for electrolytic purposes..... | kg..... | 2.4% | Free (A,E,IL) | 45% | |
| | | | | | | 0.4% (CA) | | |
| 8545.19.40 | 00 6 | | Other..... | kg..... | 4.9% | Free (A,E,IL) | 45% | |
| | | | | | | 0.9% (CA) | | |
| 8545.20.00 | 00 1 | | Brushes..... | kg..... | 3.7% | Free (A,B,E,IL) | 45% | |
| | | | | | | 2.2% (CA) <u>1/</u> | | |
| 8545.90 | | | Other: | | | | | |
| 8545.90.20 | 00 2 | | Arc light carbons..... | kg..... | 2.8% | Free (A,CA,E,IL) | 60% | |
| 8545.90.40 | 00 8 | | Other..... | kg..... | 4.9% | Free (A,CA,E,IL) | 45% | |
| 8546 | | | Electrical insulators of any material: | | | | | |
| 8546.10.00 | 00 2 | | Of glass..... | No..... | 5.8% | Free (A,E,IL) | 50% | |
| | | | | | | 3.4% (CA) | | |
| 8546.20.00 | | | Of ceramics..... | | 6% | Free (A,B,E,IL) | 60% | |
| | | | | | | 3.6% (CA) | | |
| | | | Used in high-voltage, low-frequency electrical systems: | | | | | |
| | 30 4 | | Commonly known as suspension, pin-type or line post insulators... | No. | | | | |
| | 60 7 | | Other..... | No. | | | | |
| | 90 1 | | Other..... | No. | | | | |
| 8546.90.00 | 00 5 | | Other..... | No..... | 3.7% | Free (A,B,E,IL) | 30% | |
| | | | | | | 2.2% (CA) <u>1/</u> | | |

^{1/} Equipment, originating in the territory of Canada, intended for use in the repair or maintenance of certain motor vehicles subject to accelerated staged rate reductions. See subheading 9905.00.00.

| | | | | | | | |
|------------|------|--|--|---------|------|---|-----|
| 8547 | | | Insulating fittings for electrical machines, appliances or equipment, being fittings wholly of insulating material apart from any minor components of metal (for example, threaded sockets) incorporated during molding solely for the purposes of assembly, other than insulators of heading 8546; electrical conduit tubing and joints therefor, of base metal lined with insulating material: | | | | |
| 8547.10 | | | Insulating fittings of ceramics: | | | | |
| 8547.10.40 | 00 3 | | Ceramic insulators to be used in the production of spark plugs for natural gas-fueled, stationary, internal combustion engines..... | No..... | 3.5% | Free (A, E, IL) 2.1% (CA) | 60% |
| 8547.10.80 | 00 4 | | Other..... | No..... | 6% | Free (A, B, E, IL) 3.6% (CA) | 60% |
| 8547.20.00 | 00 9 | | Insulating fittings of plastics..... | No..... | 3.7% | Free (A, B, E, IL) 2.2% (CA) | 30% |
| 8547.90.00 | | | Other..... | | 5.8% | Free (A, B, E, IL) 3.4% (CA) | 45% |
| | 10 2 | | Other insulating fittings..... | No. | | | |
| | | | Electrical conduit tubing and joints therefor, of base metal lined with insulating material: | | | | |
| | 20 0 | | Conduit tubing..... | kg | | | |
| | | | Joints: | | | | |
| | 30 8 | | Threaded..... | kg | | | |
| | 40 6 | | Other..... | kg | | | |
| 8548.00.00 | 00 2 | | Electrical parts of machinery or apparatus, not specified or included elsewhere in this chapter.... | X..... | 3.9% | Free (A, B, E, IL) 2.3% (CA) <u>1/</u> | 35% |

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