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Census File Number

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997

INSTRUCTIONS

1. General – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . ." line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . .," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Materials Consumed – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

3. Contract Work – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on contract should be excluded.

4. Resales – List for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

5. Produced and Consumed – Forgings, foundries, and screw machine products – Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.

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| Line No. | Materials, parts, and supplies (A) | | Census material code (B) | Consumption of purchased materials and of materials received from other establishments of your company | | |
|-----------|--|--|--|--|-----------|---------|
| | | | | Cost, including delivery cost (freight-in) (E) | | |
| | | | | Millions | Thousands | Dollars |
| | | | 571 | 574 | | |
| 1 | FABRICATED METAL PRODUCTS (Except forgings) | Bolts, nuts, screws, washers, rivets, and screw machine products | 345001 2 | \$ | | |
| 2 | | All other fabricated metal products | 340098 3 | | | |
| 3 | | Forgings | 346000 3 | | | |
| 4 | CASTINGS (Rough and semifinished) | Iron and steel | 332001 7 | | | |
| 5 | | Aluminum and aluminum-base alloy | 336005 4 | | | |
| 6 | | Other nonferrous | 336003 9 | | | |
| 7 | SHAPES AND FORMS (Except castings and forgings) | Steel | 331002 6 | | | |
| 8 | | Copper and copper-base alloy | 335105 3 | | | |
| 9 | | Other nonferrous shapes and forms | 335090 7 | | | |
| 10 | | Insulated wire and cable (except magnet wire) | 335790 2 | | | |
| 11 | | Magnet wire | 335770 4 | | | |
| 12 | | Ball and roller bearings (mounted and unmounted) | 356200 6 | | | |
| 13 | | Speed changers, gears, and industrial high-speed drives | 356601 5 | | | |
| 14 | | Paperboard boxes and containers and corrugated paperboard | 265001 8 | | | |
| 15 | | Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., but excluding sheets, rods, tubes, and shapes | 282104 9 | | | |
| 16 | | Plastics products consumed in the form of sheets, rods, tubes, and other shapes | 308007 4 | | | |

CONTINUE WITH ITEM 17 ON PAGE 6

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued

| Line No. | (A) Materials, parts, and supplies | Census material code 571 (B) | Consumption of purchased materials and of materials received from other establishments of your company | | |
|----------|--|---|--|----------------|---------|
| | | | Cost, including delivery cost (freight-in) (E) | | |
| | | | 574 Millions | Thou- sands | Dollars |
| 17 | Fabricated plastics products (except gaskets, hoses, and belting) | 308004 1 | \$ | | |
| 18 | Fabricated rubber products, except tires, tubes, hose, belting, and gaskets | 306902 8 | | | |
| 19 | Current-carrying wiring devices | 364300 4 | | | |
| 20 | COMPONENTS FOR ELECTRONIC CIRCUITRY, EXCEPT TUBES | Printed circuit boards | 367201 1 | | |
| 21 | | Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components) | 367981 8 | | |
| 22 | | Semiconductors, including transistors, diodes, rectifiers, and integrated circuits | 367408 2 | | |
| 23 | | Capacitors | 367501 4 | | |
| 24 | | Resistors | 367601 2 | | |
| 25 | | Other components and accessories, n.e.c. | 367990 9 | | |
| 26 | Used engine electrical equipment for rebuilding or to be used in rebuilding (starting motors, generators, alternators, motor and alternator cones) | 190033 1 | | | |
| 27 | Cost of all other materials and components, parts, containers, and supplies consumed <i>Describe the principal materials, etc., included in this value.</i> | 970099 8 | | | |
| 28 | TOTAL Sum of lines 1-27 should equal item 10, line a | | \$ | | |

Item 18A – Not applicable to this report

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997

INSTRUCTIONS

1. General – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

2. Valuation of Products – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

3. Contract Work – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

4. Resales – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."

5. Detailed Data Reported Elsewhere – Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR forms, the sum of the detailed CIR products should equal the total reported on this census form.

NOTE: Only CIR totals are requested; do not duplicate detail reported on the CIR.

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

| Line No. | Products and services *Item corresponds to products reported on Current Industrial Reports (A) | | Census product code 581 | Total shipments, including interplant transfers | | | |
|----------|--|--|------------------------------|---|-------------|---------|--|
| | | | | Value, f.o.b. plant (E) | | | |
| | | | (B) | 584 Millions | Thou- sands | Dollars | |
| 1 | Ignition Harness and Cable Sets (36941) | IGNITION HARNESS SETS Automotive type | 36941 01 1 | \$ | | | |
| 2 | | Other (including tractor, stationary engine, and aircraft) | 36941 02 9 | | | | |
| 3 | | CABLE SETS Automotive type | 36941 03 7 | | | | |
| 4 | | | Aircraft and other type | 36941 04 5 | | | |
| 5 | Battery Charging Alternators, Generators, and Regulators (36942) | BATTERY CHARGING ALTERNATORS AND GENERATORS FOR INTERNAL COMBUSTION ENGINES Automotive types, new | 36942 01 9 | | | | |
| 6 | | Other types, new | 36942 02 7 | | | | |
| 7 | | Rebuilt, all types | 36942 03 5 | | | | |
| 8 | | Regulators for battery charging alternators and generators (new and rebuilt) | 36942 04 3 | | | | |
| 9 | STARTING (Engine cranking) MOTORS (36943) | Automotive types, new | 36943 01 7 | | | | |
| 10 | | Other types, new | 36943 02 5 | | | | |
| 11 | | Rebuilt, all types | 36943 03 3 | | | | |
| 12 | Spark plugs (all types) (36944) | | 36944 00 7 | | | | |
| 13 | OTHER COMPLETE ELECTRICAL AND ELECTRONIC EQUIPMENT FOR INTERNAL COMBUSTION ENGINES (36947) | Ignition coils (all types) | 36947 01 8 | | | | |
| 14 | | Distributors (all types) | 36947 02 6 | | | | |
| 15 | | Magnetos, magneto-dynamos, magnetic flywheels | 36947 04 2 | | | | |
| 16 | | Other complete ignition equipment (including electronic ignitions) | 36947 05 9 | | | | |
| 17 | | Electronic systems for complete engine control, using computers or microcomputers | 36947 11 7 | | | | |
| 18 | | Other complete electrical and/or electronic equipment for internal combustion engines (including complete engine control equipment except computers and microprocessors) - <i>Specify kind</i> | 36947 19 0 | | | | |
| 19 | Parts for Engine Electrical and/or Electronic Equipment (36949) | Armatures, field coils, and drive-end housings for cranking motors | 36949 01 4 | | | | |
| 20 | | Armatures and field coils for alternators and generators | 36949 07 1 | | | | |
| 21 | | PARTS FOR IGNITION DISTRIBUTORS | Distributor heads and rotors | 36949 11 3 | | | |
| 22 | | | Breaker point sets | 36949 12 1 | | | |
| 23 | | | Condensers (capacitors) | 36949 13 9 | | | |
| 24 | | Other parts for engine electrical and/or electronic equipment - <i>Specify kind</i> | 36949 19 6 | | | | |
| 25 | Parts and supplies for electric motors and generators and other rotating equipment (corresponds to the sum of item codes 8590, 8591 and 8595 as reported on CIR Form MA36H, Motors and Generators, for 1997) (36219)* | | 36219 00 4 | | | | |
| 26 | Switches for electrical circuitry (including all vehicle switches)(corresponds to the sum of item codes 3109-3137 as reported on CIR Form MA36K, Wiring Devices and Supplies, for 1997) (36433)* | | 36433 00 1 | | | | |

CONTINUE WITH ITEM 18B ON PAGE 8

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

| Line No. | Products and services *Item corresponds to products reported on Current Industrial reports (A) | | Census product code (B) | Total shipments, including interplant transfers | | |
|-----------|---|---|---------------------------------------|---|----------------|---------|
| | | | | Value, f.o.b. plant (E) | | |
| | | | | 584 Millions | Thou- sands | Dollars |
| 27 | Motor vehicle instruments (corresponds to the sum of item codes 5531-5547 as reported on CIR Form MA38B, Selected Instruments and Related Products) (38244)* – Specify kind | | 38244 00 2 | \$ | | |
| 28 | PARTS AND ACCESSORIES, NEW, N.E.C. (EXCLUDING GASOLINE ENGINE AND GASOLINE ENGINE PARTS; FILTERS; EXHAUST SYSTEM PARTS; DRIVE TRAIN COMPONENTS; WHEELS; AND BRAKE PARTS AND ASSEMBLIES) (37149) | Bumper assemblies, bumpers, and parts | 37149 01 0 | | | |
| 29 | | Other (excluding bumper assemblies, bumpers, and parts) – <i>Specify kind</i> | 37149 00 2 | | | |
| 30 | REBUILT PARTS FOR MOTOR VEHICLES, EXCLUDING CARBURETORS AND ENGINE ELECTRICAL EQUIPMENT (3714A) | Water pumps | 3714A 03 3 | | | |
| 31 | | Other (excluding water pumps) – <i>Specify kind</i> | 3714A 00 9 | | | |
| 32 | Search and detection, navigation and guidance systems and equipment (corresponds to the sum of item codes 4202-4382 as reported on CIR Form MA38B, Selected Instruments and Related Products) | | 38122 00 8 | | | |
| 33 | Home, portable, and automobile radios and radio combinations (including CD) (corresponds to the sum of item codes 1134 and 1142 as reported on CIR Form MA36M, Consumer Electronics) (36511)* | | 36511 00 4 | | | |
| 34 | ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT <i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. Specify unit of measure for quantity. For all remaining products, write "Other" and report a single total value.</i> | | 18 | | | |
| 35 | | | 26 | | | |
| 36 | | | 34 | | | |
| 37 | | | 42 | | | |
| 38 | | | 59 | | | |
| 39 | | | 67 | | | |
| 40 | CONTRACT WORK <i>Receipts for work done for others on their own materials Describe below products worked on and kind of work.</i> | | 93000 00 8 | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 41 | MISCELLANEOUS RECEIPTS | Sales of scrap and refuse | 99980 13 8 | | | |
| 42 | | Other miscellaneous receipts (including receipts for repair work, etc.) | 99980 98 9 | | | |
| 43 | RESALES | Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b. | 99989 00 6 | | | |
| 44 | TOTAL value of shipments and other receipts Sum of lines 1-43, column (E) | | 77000 00 8 | \$ | | |

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Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT

INSTRUCTIONS

- 1. Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.
- 2. Purchases or receipts of the items specified below should be reported only in item 17.
- 3. Materials used to produce the items specified below should be reported in item 17.
- 4. Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.
- 5. Report quantities in the unit of measure specified in column (D).

| Line No. | Item (A) | Census code (B) | Was this operation performed at this establishment during 1997? (C) | | Unit of measure for quantities (D) | Quantities produced in this establishment and used in manufacturing other products made in this establishment (E) |
|----------|---|------------------------|--|----------------------------|---|--|
| | | | 591 | 592 | | |
| | | | Yes | No | | |
| 1 | Ferrous foundries | 1001 7 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | Short tons | |
| 2 | NONFERROUS FOUNDRIES (Except die-casting) | Aluminum | 1002 5 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | Thousand pounds |
| 3 | | Copper | 1003 3 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | |
| 4 | | Zinc | 1004 1 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | |
| 5 | | Other | 1005 8 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | |
| 6 | Nonferrous die-casting foundries | 1006 6 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | | |
| 7 | Precision turned products (on screw machines, turning centers, and CNC equipment) | 1007 4 | 1 <input type="checkbox"/> | 2 <input type="checkbox"/> | | |

Items 20 and 21 – Not applicable to this report

REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

| | | | | | | |
|--|-------------|---|-----------|-----------|-----------|------|
| Name of person to contact regarding this report (<i>Print or type</i>) | | Telephone | Area code | Number | Extension | |
| 667 | 1 | 2 | | | | |
| Name of company | | Address (<i>Number and street, city, State, ZIP Code</i>) | | | | |
| Period covered | FROM: Month | Day | Year | TO: Month | Day | Year |
| | 666 | 1 | | 2 | | |
| Signature of authorized person | | Title | | | Date | |