## f not shown, please enter your 11-digit Census File Number

 from the address label on page 1
## 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
at the end of this section. If you consumed lo . $\$ 25,000$ of a listed material, include the a with Cost of all other materials . . .," Census maternal code 9700998.

Reoort materiat, pats, and DO NOT transferred from other plants your company, or withdrawn from inventory.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 repor the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted far os $n$ the materials and supplies in ori stacding the beginning inventory to the inventory inventory, $\equiv P O$.
you purchased for Include as materials consumed those 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 commission should be excluded.
4. Resales - Cost 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 9998900 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.


Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 - Continued

| $\left\|\begin{array}{l} \dot{0} \\ \dot{2} \\ \stackrel{\Delta}{3} \end{array}\right\|$ | Materials, parts, and supplies(A) |  | Census material code | Consumption of purchased materials and of materials received from other establishments of your company |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Cost, including delivery cost (freight-in) <br> (E) |
|  |  |  |  | $\begin{array}{ll} 1 \\ 1 \\ \text { I Thou- } \end{array}$ |  |
| 15 | FABRICATED METAL PRODUCTS (Except forgings) | Automotive stampings, including body parts, etc. |  | 3465010 | \$ | 1 |  |
|  |  | Steel springs, except wire (including leaf, helical, and torsion bar) |  | 3493012 |  | $1 \quad 1$ |  |
| 17 |  | Motor vehicle metal hardware (lock units, door and window handles, hinges, license plate brackets, panel knobs, etc.) | 3429610 |  | $1 \begin{array}{ll}1 \\ 1 & 1 \\ 1\end{array}$ |  |
| 18 |  | Bolts, nuts, screws, rivets, washers, and screw machine products | 3450012 |  |  |  |
| 19 |  | Other fabricated metal products | 3400710 |  | 1 |  |
| 20 | Forgings |  | 3460003 |  | 1 |  |
| 21 | Castings (rough and semi-finished) |  | 3300910 |  | , |  |
| 22 | Metal shapes and forms, except castings, forgings, and fabricated metal products, including nonferrous |  | 3300902 |  | 1 |  |
| 23 | Bearings, ball and roller (mounted and unmounted) |  | 3562006 |  |  |  |
| 24 | Pneumatic tires and inner tubes |  | 3011012 |  |  |  |
| 25 | Rubber and plastics hose and belting |  | 3052016 |  | । |  |
| 26 | Fabricated rubber products, except tires, tubes, hose, belting, and gaskets |  | 3069028 |  |  |  |
| 27 | Gaskets, packing and sealing devices |  | 3053022 |  | 1 |  |
| 28 | Fabricated plastics products, including components, housings, accessories, etc. (except gaskets, hose, and belting) |  | 3080256 |  |  |  |
| 29 | Glass and glass products, including windows and mirrors |  | 3201027 |  | । |  |
| 30 | Seats (purchased separately) for automobiles, trucks, or buses |  | 2531218 |  | I |  |
| 31 | Seat covers, seat belts, and shoulder harnesses |  | 2399012 |  |  |  |
| 32 | Automotive air bag assemblies and parts thereof |  | 3714912 |  | 1 1 |  |
| 33 | Automotive trimmings, textile (panels, headliners, etc.) |  | 2396216 |  | I |  |
| 34 | Carpetings |  | 2270023 |  |  |  |
| 35 | Ceramic and ceramic composite parts, components, and accessories |  | 3206018 |  | 1 |  |
| 36 | Glues and adhesives |  | 2891018 |  | 1 |  |
| 37 | Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products |  | 2851012 |  | ! |  |
| 38 | Engine electrical equipment |  | 3694015 |  | , |  |
| 39 | Motor vehicle lighting fixtures (including headlights, taillights, running lights, and dome fixtures; except automotive lamps) |  | 3647013 |  | 1 |  |
| 40 | Automotive lamps (bulbs and sealed beams) |  | 3641024 |  | । |  |
| 41 | Storage batteries, automotive |  | 3691045 |  | 1 |  |
| 42 | Automotive radios and loudspeakers |  | 3651015 |  | 1 | I |
| 43 | Purchased computers for incorporation into motor vehicles, trucks, or buses |  | 3571049 |  | I |  |
| 44 | Semiconductors and related devices and electronic control modules |  | 3670130 |  | । |  |

## If not shown, please enter your 11-digit Census File Number

 from the address label on page 1Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 - Continued

| $\left\|\begin{array}{l} \dot{0} \\ \underset{y}{y} \\ \underset{y}{\leftrightharpoons} \end{array}\right\|$ | Materials, parts, and supplies(A) | Census material code | Consumption of purchased materials and of materials received from other establishments of your company |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Cost, including delivery cost (freight-in) <br> (E) |  |
|  |  |  | $\begin{array}{\|c\|} \hline 574 \\ \hline \end{array}$ <br> Millions | $\begin{aligned} & \text { I Thou- \| } \\ & \text { I sonds \| Dollars } \\ & \text { I sond } \end{aligned}$ |
| 45 | Motor vehicle clusters, meters, and gauges, except electrical (including speedometers, fuel level, oil pressure, etc.) not produced in same establishment | 3824414 | \$ | I |
| 46 | Cost of all other materials and components, parts, containers, and supplies consumed. Describe the principal materials, etc., included in this value. | 9700998 |  |  |
|  |  |  |  | 1 |
|  |  |  |  | 1 |
|  |  |  |  | 1 |
|  |  |  |  | 1 |
|  |  |  |  | 1 |
|  |  |  |  | 1 |
|  |  |  |  | 1 |
|  |  |  |  | 1 1 |
|  |  |  |  | 11 |
| 47 | TOTAL <br> Sum of lines 1-46 should equal item 10, line a |  | \$ | 1 |
|  |  |  |  | 11 |
|  |  |  |  | 1 I |

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 93000008.
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 9998900 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.


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


If not shown, please enter your 11-digit Census File Number from the address label on page 1

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


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


## f not shown, please enter your 11-digit Census File Number

 from the address label on page 1Item 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).

|  | Item <br> (A) |  | Census code | Was this operation performed at this establishment during 1997? |  | Unit of measure for quantities <br> (D) | Quantities <br> produced <br> in this <br> establishment <br> and used in <br> manufacturing <br> other products <br> made in this <br> establishment <br> 593 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Yes | No |  |  |  |
| 1 | Ferrous foundries |  |  | 10017 | $1 \square$ | $2 \square$ | Short tons |  |  |
| 2 | NONFERROUS FOUNDRIES (Except die-casting) | Aluminum | 10025 | $1 \square$ | $2 \square$ | Thousand pounds |  |  |
|  |  | Copper | 10033 | $1 \square$ | $2 \square$ |  |  |  |
| 4 |  | Zinc | 10041 | $1 \square$ | $2 \square$ |  |  |  |
| 5 |  | Other | 10058 | $1 \square$ | $2 \square$ |  |  |  |
| 6 | Nonferrous die-casting foundries |  | 10066 | $1 \square$ | $2 \square$ |  |  |  |
| 7 | Precision turned products (on screw machines, turning centers, and CNC equipment) |  | 10074 | $1 \square$ | $2 \square$ |  |  |  |

## 1. General -

- Report shipments on distribution by end use of products listed below.
- Do not report products imported for resale, purchased for resale, or received from other plants of your company for resale. The value of such purchased products should be reported under "Resales" on line 79 of item 18B.
- If your book records do not contain information as requested, REASONABLE ESTIMATES ARE ACCEPTABLE.


## 2. Special Instructions -

Column (E) - Total Value of Product Shipments:

- Post data from Column (E) of Item 18B for appropriate product lines listed below.
- Before posting, see references in product class descriptions below showing corresponding product lines in Item 18B. For example, Line 1, "Gasoline engines and gasoline engine parts for motor vehicles, new" corresponds to lines 20-31 in Item 18B
- The data reported in Column (E) should equal the sum of data reported in columns (G), (H), and (I). If not, please explain in the "Remarks" section below.

Column (G) - Value of Shipments for Domestic Replacement:

- Report value of shipments of products listed below for domestic (U.S.) replacement.
- Include replacement (service) products shipped to motor vehicle manufactures, transfers to other plants of your company, direct shipments to distributors, dealers, jobbers, wholesalers, fleet operators, governments, etc.
- Exclude replacement shipments outside the U.S. (include such shipments in Column (I), Shipments for Exports).
Column (H) - Shipments for Use in Domestic
Original Equipment Manufacturing (O.E.M.):
- Report value of shipments of products listed below to U.S. motor vehicle manufacturers and their suppliers for use in original equipment (O.E.M) produced in the U.S.
- Include original equipment products transferred to other plants of your company for incorporation or assembly in automobiles, trucks, and buses.
- Include shipments to depots and warehouses of the same company where such shipments are for subsequent use in original equipment.
- Exclude shipments for use in O.E.M. to be produced outside the U.S. (include such shipments in Column (I), Shipments for Exports).


## Column (I) - Shipments for Export:

- Report Value of Shipments of Exports of Products listed below:
- Report value of shipments for export regardless of whether products are shipped as replacement products or for original equipment manufacturing.

| 」 | Products and service | Census code | Total shipments (including interplant transfers) |  | Shipments for domestic replacement (including shipments to U.S motor vehicle manufacturers for resale) |  | Shipments to <br> U.S. motor vehicle manufacturers of their suppliers for use in domestic original equipment |  | Shipments for export (including transfers to other divisions for export) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Value (E) |  | Value (G) |  | Value (H) |  | Value <br> (I) |  |
|  |  | (B-1) | 594 <br> Millions | Thousands | $595$ <br> Millions | Thousands |  | Thousands | $597$ <br> Millions | Thousands |
| 1 | Gasoline engines and gasoline engine parts for motor vehicles, new (corresponds to lines 20-31, item 18B) | 0371427 | \$ |  | \$ |  | \$ |  | \$ |  |
| 2 | Drive train components, new (except wheels and brakes) (corresponds to lines 49-55, item 18B) | 0371468 |  |  |  |  |  |  | ! |  |
| 3 | All other motor vehicle parts and accessories, new, n.e.c. (corresponds to lines 56-61, item 18B) | 0371492 |  |  | 1 |  |  |  | ! |  |

Item 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.


