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

 from the address label on page 11. 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 los A $\$ 25,000$ of a listed material, include the nit Cost of all other materials . . ." Census marenal code
9700998 .
Report materials, parts, and s transferred from other plan

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 mation in ar syang the beginning inventory to the inventory. erred and subtracting ending inventory, $O$ R
or rat-vork - 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 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 assembly should be reported in item 10 , line b, not in
item 17 below. The value of these products shipped by item 17 below. The value of these products shipped by
this establishment should be reported in item 18B under this establishment should be reported in item
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 18A. INSTRUCTIONS AND INQUIRY FOR COMPANIES ENGAGED IN INSTALLATION (OR ERECTION) OF PRODUCTS OF THEIR OWN MANUFACTURE

It is preferable that you report the value of shipments for individual products excluding the amounts received for installation and erection. The installation and erection receipts (if any) should be reported in item 18B on line 56 . In order to evaluate the reporting for this item please answer the following questions:

1a. Do the value of shipments figures for individual products include the cost of installation or erection of the products?
b. If "Yes," please estimate the total amount received for installation or erection .
2. Do the employees of this manufacturing establishment install or erect the products of your company? If "Yes," include these employees in item 2 and their wages in item 3A.
3. Does a distinct outside labor force (not attached to this manufacturing plant) erect or install the products for your establishment?
If "Yes," do not include this labor force in item 2 or their wages in item 3A. Payments made by this establishment for any work done by others should be reported as a cost of contract work in item 10 e . The payroll of this outside labor force should be reported by the establishment that maintains the records for them.

## 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.

| $\begin{aligned} & \dot{\circ} \\ & \stackrel{0}{\Xi} \\ & \stackrel{y}{y} \end{aligned}$ |  |  | Census product code | Products shipped and other receipts Value, f.o.b. plant (E) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | 584 <br> Millions | I ThouI sands |  |
| 1 | FUEL-FIRED (Nonelectric) INDUSTRIAL FURNACES, OVENS, AND KILNS | Fuel-fired metal processing and heat treating furnaces (as for annealing, hardening, carburizing, and porcelain enameling), except parts and attachments | 35670033 | \$ | 1 |  |
| 2 |  | Other fuel-fired furnaces, ovens, and kilns for the melting, roasting, or other heat treatment of ores, pyrites, or metals, except parts and attachments | 35670066 |  | 1 |  |
| 3 |  | Other fuel-fired industrial furnaces, ovens, and kilns, except nonelectric incinerators, and parts and attachments | 35670090 |  | , |  |
| 4 |  | Parts and attachments for fuel-fired industrial furnaces, ovens, and kilns | 35670140 |  | 1 |  |
| 5 | ELECTRIC <br> INDUSTRIAL FURNACES OVENS, AND KILNS, AND HIGH- <br> FREQUENCY INDUCTION AND DIELECTRIC HEATING EQUIPMENT (Continued on next page) | High-frequency induction and dielectric heating equipment, including furnaces, ovens, and kilns, except parts and attachments | 35670405 |  | 1 |  |
| 6 |  | Electric resistance-heated metal processing and heat treating furnaces (as for annealing, hardening, carburizing, and porcelain enameling), except parts and attachments | 35670421 |  | 1 |  |
| 7 |  | Other electric resistance-heated furnaces, ovens, and kilns, except parts and attachments | 35670447 |  | 1 |  |
| 8 |  | Electric (except high-frequency induction and dielectric and resistance-heated) metal processing and heat treating furnaces (as for annealing, hardening, carburizing, and porcelain enameling), except parts and attachments | 35670470 |  | I |  |

## If not shown, please enter your 11-digit Census File Number If not shown, please enter your 1 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


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

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).

|  | Item <br> (A) |  | Census code | Was this operation performed at this establishment during 1997? |  | Unit of measure for quantities <br> (D) | Quantities produced in this establishment and used in manufacturing other products made in this establishment |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 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 |  |  |
| 3 |  | 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 | $1 \square$ | $2 \square$ |  |  |  |

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.


