16 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES

General - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in ②. 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 that are not listed, describe and report them in the "Cost of all other materials..." 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 009700 99 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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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.

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 their diect, has ges incurred in acquiring the materials.

Materials received from other plants within the plants within the plant the lalue valve

If purchases or transfers do not differ significantly from the amounts actually put into plotusion, 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 onlinges in the paterials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

Contract Work - Include at my trial consumer those you purchased for use by others making products for you under contract. Amounts pad the companies doing the contract work should be reported in , line A5, 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.

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 6, line A2, not in 6. The value of these products shipped by this establishment should be reported in 2 under Census product code 000999 8900 6, "Resales."

| sumption of perials and of eceived from tablishments companion | materials other of your |
|--|-------------------------------|
| (freight-ir | livery cost |
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| | Mil. |

CONTINUE WITH TO ON PAGE 9



| 16 | DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued | | | | | | | |
|----------|--|----------------------|--|----------------------------|------------------|--|--|--|
| Line No. | Materials, parts, and supplies | Census material code | Consumption of purchased materials and of materials received from other establishments of your company | | | | | |
| 트 | | | Cost, i | ncluding de (freight-ir | | | | |
| | 0634 | 0630 | \$ Bil. 0631 | Mil. | Thou. | | | |
| | Forgings | | | | | | | |
| 1 | Iron and steel | 332111 01 2 | | | | | | |
| 2 | Nonferrous | 332112 01 0 | | | | | | |
| | Castings (rough and semifinished) | | | | | | | |
| 3 | Iron and steel | 331510 01 6 | | | | | | |
| 4 | Aluminum and aluminum-base alloy | 331520 05 6 | | | | | | |
| 5 | Other nonferrous | 331520 03 1 | | | | | | |
| | Shapes and forms (excluding castings, forgings, and fabricated metal products) Steel | | | | | | | |
| 6 | Bars, bar shapes, and plate | 331200 07 1 | | | | | | |
| 7 | Sheet and strip | 331200 17 0 | | | | | | |
| 8 | All other steel shapes and forms | 331200 33 7 | | | | | | |
| 9 | All nonferrous shapes and forms | 331000 AJ 9 | | | | | | |
| 0 | Pistons, piston rings, carburetors, valves (intake and exhaust only) | 336311 00 6 | | | | | | |
| 1 | Turbochargers | 333618 13 0 | | | | | | |
| 2 | Injection fuel pumps | 333618 15 5 | | | | | | |
| 3 | Machined engine blocks | 333618 17 1 | | | 1 1 | | | |
| 4 | Engine electrical equipment (spark plugs, magnetos, generators, starters, etc.) | 336322 00 3 | | | | | | |
| 5 | Integral horsepower electric motors and generators (1 hp or more) | 335312 21 1 | | | | | | |
| | Bearings (mounted or unmounted) | | | | | | | |
| 6 | Ball | 332991 05 8 | | | | | | |
| 7 | Roller | 332991 03 3 | | | | | | |
| 8 | Plain bearings and bushings | 333613 01 6 | | | | | | |
| 9 | Speed changers, gears, and industrial high-speed drives | 333612 00 0 | | | | | | |
| | Turbines purchased for incorporation into turbine generator sets | 333012 30 0 | | | | | | |

| 16 | DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued | | | | | | | | | | |
|----------|---|----------------------|--|------|-------|--|--|--|--|--|--|
| Line No. | Materials, parts, and supplies | Census material code | Consumption of purchased materials and of materials received from other establishments of your company Cost, including delivery cost (freight-in) | | | | | | | | |
| | | | \$ Bil. | Mil. | Thou. | | | | | | |
| | 0634 | 0630 | 0631 | | | | | | | | |
| 31 | Generators purchased for incorporation into turbine generator sets | 333611 03 6 | | | | | | | | | |
| 32 | Fabricated plastics products (excluding gaskets) | 326100 11 2 | | | | | | | | | |
| 33 | Rubber and plastics hose and belting | 326220 01 9 | | | | | | | | | |
| 34 | Gaskets (all types), and packing and sealing devices | 339991 03 6 | | | | | | | | | |
| 35 | Cutting tools for machine tools | 333515 03 9 | | | 1 1 | | | | | | |
| 36 | Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) | 009700 99 8 | | 1 1 | | | | | | | |
| | | | | | | | | | | | |
| 37 | TOTAL (Should equal total reported in 😉, line A1) | 771000 00 7 | ı | | | | | | | | |

17-21 Not Applicable.

22

DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

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 ②. 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.

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.

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 code 000930 0000 8.

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 code 000999 8900 6, "Resales."

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 form, the sum of the detailed products should equal the total reported on this form. For corresponding survey item codes, see paragraph 4, "Comparability," of CIR Instruction Manual.

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

CONTINUE WITH 29 ON PAGE 11

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If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

| • | |
|---|----------|
| | / |

DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

| d | Products and services | Census product | Products shipped and other receipts | | | | | |
|----------|---|----------------|-------------------------------------|--------------------|-------|--|--|--|
| Line No. | *Items correspond to products reported on Current Industrial Reports (CIR) | code | Va | alue, f.o.b. | plant | | | |
| <u> </u> | | | \$ Bil. | Mil. | Thou. | | | |
| | 0734 | 0731 | | | | | | |
| | Turbines, turbine generators, and turbine generator sets | | | | | | | |
| | Turbine generator sets, except prime mover generator sets (Report prime | | 1 | | 1 1 | | | |
| 1 | mover generator sets on line 12.) | 333611 0101 8 | | | | | | |
| 2 | Steam turbines and other vapor turbines | 333611 0211 5 | | | | | | |
| 3 | Hydraulic turbines (all sizes) | 333611 0836 9 | | | | | | |
| 4 | Gas turbines, except aircraft (all sizes) | 333611 0951 6 | | | | | | |
| 5 | Wind turbines | 333611 0856 7 | | - - | | | | |
| 6 | Turbine generators | 333611 0871 6 | | | | | | |
| | Parts and accessories (sold separately) | | | | | | | |
| 7 | For steam and other vapor turbines | 333611 0746 0 | | + | | | | |
| 8 | For hydraulic turbines | 333611 0741 1 | | | | | | |
| 9 | For gas turbines, except aircraft | 333611 0761 9 | | | | | | |
| 10 | For wind turbines | 333611 0766 8 | | | | | | |
| 11 | For turbine generators | 333611 0776 7 | | | | | | |
| 12 | Prime mover generator sets, except steam or hydraulic turbine | 335312 7100 6 | | | | | | |
| | Gasoline and gas-gasoline engines (except aircraft, automobile, highway | | | | | | | |
| 13 | truck, bus, tank, and outboard marine) (Corresponds to value of shipments reported on CIR MA333L, Internal Combustion Engines, for 2002.)* | 333618 1100 4 | · | | | | | |
| | reported on our microsoc, internal combustion Engines, for 2002.) | 333010 1100 4 | | | | | | |
| | Diesel, semidiesel, and dual fuel engines (except automobile, highway truck, | | | | | | | |
| 14 | bus, and tank) (Corresponds to value of shipments reported on CIR MA333L, Internal Combustion Engines, for 2002.)* | 333618 3100 2 | | | | | | |
| | | | | | | | | |
| | Diesel, semidiesel, and dual-fuel engines for automobiles, highway trucks, and buses (Corresponds to the value of shipments reported on CIR Form | | | | | | | |
| 15 | MA333L, Internal Combustion Engines, for 2002.)* | 333618 5100 0 | | | | | | |
| | Piston-type natural gas engines, including LPG engines (excluding gas | | | | | | | |
| 16 | turbines) (<i>Report gas turbines on line 4.</i>) (Corresponds to value of shipments reported on CIR MA333L, Internal Combustion Engines, for 2002.)* | 333618 9100 6 | | | | | | |

CONTINUE WITH 2 ON PAGE 12



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| | Products and services | Conque product | Products shipped and oth receipts | | | | | |
|--|--|---------------------|-----------------------------------|---------------|-------|--|--|--|
| Line No. | *Items correspond to products reported on Current Industrial Reports (CIR) | Census product code | V | Value, f.o.b. | | | | |
| 5 | 0734 | 0730 | \$ Bil. 0731 | Mil. | Thou. | | | |
| | Other engine equipment, nec | | | | | | | |
| <u>, </u> | Tank engines (except gas turbines) (Report gas turbines on line 4.) | 333618 B101 1 | ı | | | | | |
| 3 | Converted internal combustion engines (basic engines, short blocks purchased or intracompany transfer and converted to marine or other uses) | 333618 B106 0 | | | | | | |
| | Outboard motors (including electric) | 333618 B108 6 | | | | | | |
| | All other engine equipment, nec (Specify kind.) | | | | | | | |
|) | | 333618 B110 2 | | | | | | |
| | Parts and accessories for internal combustion engines (except aircraft and gasoline automotive engines and gas turbines) (Report parts for gasoline automotive engines on line 46 and parts for gas turbines on line 9.) | | | | | | | |
| _ | Connecting rods | 333618 F101 7 | | | | | | |
| 2 | Crankshafts | 333618 F106 6 | | | | | | |
| 3 | Camshafts | 333618 F111 6 | | | | | | |
| Ŀ | Flywheels | 333618 F116 5 | | | | | | |
| | Engine bearings (halves) | | | | | | | |
| 5 | Main (crankshaft) | 333618 F121 5 | | | | | | |
| 5 | Other (camshaft, balance shaft, etc.) | 333618 F131 4 | | | | | | |
| <u>, </u> | Connecting rod bearings (halves) | 333618 F126 4 | | | | | | |
| 3 | Oil pumps, new | 333618 F136 3 | - | | + + + | | | |
| • | Fuel pumps, new | 333618 F141 3 | | | | | | |
|) | Water pumps, new | 333618 F146 2 | | | | | | |
| | Engine blocks | 333618 F151 2 | | | | | | |
| 2_ | Cylinder liners (sleeves) | 333618 F156 1 | | | | | | |
| 3 | Cylinder heads | 333618 F161 1 | | | | | | |
| | Intake and exhaust manifolds | 333618 F166 0 | | | | | | |
| 5 | Valve guides, seats, and tappets | 333618 F171 0 | | | | | | |
| 5 | Rocker arms and parts | 333618 F176 9 | | | | | | |
| , | Speed governors | 333618 F186 8 | | | | | | |

| 22 | DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued | | | | | | |
|----------|--|----------------|-------------------------------------|--------------|--|--|--|
| Line No. | Products and services | Census product | Products shipped and other receipts | | | | |
| ne | *Items correspond to products reported on Current Industrial Reports (CIR) | code | | alue, f.o.b. | | | |
| ij | | | \$ Bil. | Mil. | Thou. | | |
| | 0734 | 0730 | 0731 | | | | |
| | Parts and accessories for internal combustion engines (except aircraft and gasoline automotive engines and gas turbines) (<i>Report parts for gasoline automotive engines on line 46 and parts for gas turbines on line 9.</i>) - Continued | | | | | | |
| 38 | Superchargers, including turbochargers | 333618 F196 7 | | | +++ | | |
| 39 | Fuel injection systems (multipoint) | 333618 F281 7 | | | | | |
| | All other parts and accessories (Specify kind.) | | | | | | |
| | | | | | | | |
| 40 | | 333618 F199 1 | | | | | |
| | Pistons, all types (machined) (excluding rough castings) | | | | | | |
| 44 | Francisco de la contrata del contrata de la contrata del contrata de la contrata del contrata de la contrata de la contrata de la contrata del contrata de la contrata del contrata de la contrata del c | 000044 0404 0 | ' | | | | |
| 41 | For motor vehicle engines (passenger car, truck, and bus) | 336311 3101 9 | | | | | |
| 42 | All other pistons | 336311 3103 5 | | | | | |
| | Complete electrical and/or electronic equipment for internal combustion engines (Specify kind.) | | | | | | |
| 43 | | 336322 9309 9 | | | | | |
| 44 | Air and gas compressors, except compressors for ice making, refrigeration, or air-conditioning equipment, and except air motors and packaged compressors (Corresponds to value of shipments reported on CIR Form MA333P, Pumps and Compressors, for 2002.)* | 333912 1110 0 | | | | | |
| 4- | Parts and attachments for air and gas compressors (except for refrigeration, ice making, and air-conditioning equipment), and packaged compressors (Corresponds to value of shipments reported on CIR Form MA333P, Pumps | 000040 5400 7 | | | 1 1 | | |
| 45 | and Compressors, for 2002.)* | 333912 5100 7 | | | | | |
| | | | | | | | |
| 46 | All other products made in this establishment - Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". For all remaining products, write "Other" and report a single total value. | 336312 1574 7 | | | | | |
| 47 | , , | 18 | | | | | |
| 18 | | 26 | | | | | |
| 19 | | 34 | | | | | |
| 50 | | 42 | | | | | |
| 51 | | 59 | | | | | |
| | | 67 | | | | | |

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| 3 | DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued | | | | | | | | |
|----------|---|----------------|-------------------------------------|--------------|-------|--|--|--|--|
| Jo. | Products and services | Census product | Products shipped and other receipts | | | | | | |
| Line No. | *Items correspond to products reported on Current Industrial Reports (CIR) | code | V | alue, f.o.b. | plant | | | | |
| ij | | | \$ Bil. | Mil. | Thou. | | | | |
| | 0734 | 0730 | 0731 | | | | | | |
| | Miscellaneous receipts | | | | | | | | |
| 53 | Sales of scrap and refuse | 000999 8013 8 | | | | | | | |
| 54 | Receipts for installation or construction | 000999 8031 0 | | | | | | | |
| 55 | Receipts for maintenance contracts | 000999 8035 1 | | | | | | | |
| 56 | Receipts for research and developmental work | 000999 8041 9 | | | | | | | |
| 57 | Receipts for repair work | 000999 8061 7 | | | | | | | |
| 58 | Other miscellaneous receipts | 000999 8098 9 | | | | | | | |
| | Contract work - Receipts for work done for others on their materials (Specify products worked on and kind of work.) | | | | | | | | |
| 59 | | 000930 0000 8 | | | | | | | |
| | Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in © , | | | | | | | | |
| 60 | line A2.) | 000999 8900 6 | | | | | | | |
| 61 | TOTAL (Should equal 4, line A) | 770000 0000 8 | | | | | | | |
| 23 | -27 Not Applicable. | | | | | | | | |



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| | | | | | This activity w | as pei | formed - | | |
|-------------|--|------|--|------|---|--------|------------------|------|--------|
| or dı | Indicate activities that were performed by this establishment or were performed for this establishment by another company during 2002. (Mark "X" ALL that apply.) | | | nent | By another establishment of this company | | another mpany | Not | t at a |
| 1. | Product design/engineering | 0921 | | | 8071 | 0941 | | 0961 | |
| 2. | Order fulfillment | | | | | + | | | |
| | a. Bundling or kitting (combining multiple items into a prepackaged product) | 0923 | | | 8072 | 0943 | | 0963 | |
| | b. Pick and pack (taking goods from inventory and packaging them to fill orders) | 0924 | | | 8073 | 0944 | | 0964 | |
| | c. Warehousing of finished products | 0925 | | | 8074 | 0945 | | 0965 | |
| | d. Breaking bulk (reducing large shipments into smaller portions for customers) | 0926 | | | 8075 | 0946 | | 0966 | |
| | e. Local delivery (within a city, town, or other local area, including adjoining towns and suburban areas) | 0927 | | | 8076 | 0947 | | 0967 | |
| | f. Long distance delivery (beyond local areas and commercial zones) | 0928 | | | 8077 | 0948 | | 0968 | |
| | g. Processing of returned merchandise | 0932 | | | 8078 | 0952 | | 0972 | |
| B. D | uring 2002 did this establishment: | | | | | | | | |
| 1. | Manage inventory owned by this establishment AND held at this location? | 0936 | | Yes | 6 | 0937 | □ No | • | |
| 2. | Manage inventory owned by this establishment BUT held at a customer's location? | 0956 | | Yes | 3 | 0957 | □ No | • | |
| 3. | Manage inventory owned by another company BUT held at this location? | 0976 | | Yes | 5 | 0977 | □ No |) | |
| 4. | Manage inventory owned by another company AND held somewhere other than at this location? | 0994 | | Yes | 5 | 0995 | □ No |) | |
| 5. | Contract with another firm for any of your production using materials owned by this location? | 8041 | | Yes | 3 | 8042 | □ No |) | |
| 6. | Send any partially completed products to a foreign facility for processing that were then returned to this establishment for completion? | 8044 | | Yes | 3 | 8045 | □ No | | |
| 7. | Manufacture products for a government to their specifications? | 8047 | | Yes | 6 | 8048 | □ No | | |
| 8. | Manufacture products for another business to their specifications? | 8016 | | Yes | 5 | 8017 | □ No | | |
| 9. | Manufacture products for a final retail customer to their specifications? | 8060 | | Yes | 6 | 8062 | □ No | | |

| . 0 | | - | <u> </u> | | | | | | | | | | | 1 age 10 |
|---------------|---|---|---|---------|---------------------|------------|------------|-----------------------|----------------|----------|-----------------|------------|---------|----------|
| 29 | OPE | RAT | IONAL STATUS | | | | | | | | | | | |
| | Activ (Mar | ity t k "X | that best describes th (" only ONE box.) | is est | ablishment's st | atus at tl | he end o | f 2002 | | | | | | |
| | 0011 | ☐ In operation ☐ Temporarily or seasonally inactive | | | | | | | | | | | | |
| | 0012 | | Under construction, development or | 0014 | Ceased op | eration - | Give da | te at rigl | ht | - | 0018 | Month | Day | Year |
| | development, or exploration Only Sold or leased to a Give date at right and mailing addre | | | | | | | er new n | . —— ame | → | | | | |
| | | 000 | 0 Name of many and many | | | | | | 1.1 | : N | | | | |
| | | 0060 | Name of new owner o | r ope | rator | | | Employer Enter EIN | of new | ion iv | lumbe | r | | |
| | | | | | | | | owner (9 | digits) — | - | | - | | |
| | | 006 | ² Mailing address (num | ber ar | nd street, P.O. Box | k, etc.) | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 0063 | 3 City, town, village, etc | | | | | | 0064 St | tate | 0065 Z I | P Code | | |
| | | | | | | | | | | | | | _ | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 30 | | | CATION - This report i | | - | | was prep | pared in a | accordanc | ce w | ith the | e instru | ctions. | |
| Is the | e time | per | riod covered by this re | eport | a calendar yea | r? [| | Month | n Yea | r | | | Month | Year |
| 0078 | □ Y | es | 0079 No - En | ter ti | me period cove | red—► | FROM | 70 | | | | TO 0071 | | |
| 0072 | Name (| of pe | erson to contact regardir | ng this | report | | 0073 Title | | | | | 00/1 | | |
| | | | | | | | | | | | | | | |
| | | | Area code | | Number | Exte | nsion | | | Area | code | | Num | ber |
| | Telep | hone | 0074 | | - | | | Fa | 0075 | | | | - | 1 1 1 |
| 0076 I | nterne | t e-m | nail address | | | | | | 0075 | | | Month | Day | Year |
| • | | | , 55 | | | | | | Date comple | | | 2.76.1 | / | 1 1 1 |
| | | | | | | | | | ' | | 0069 | | | |
| | | | Thank you f | or | completing | your | 2002 | Econ | omic C | en | sus | form | - | |

Thank you for completing your 2002 Economic Census form.

PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

3332016