

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

Contract Work - Include all 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 **15**, 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 **15**, line A2, not in **16**. The value of these products shipped by this establishment should be reported in **2** under Census product code 000999 8900 6, "Resales."

INFORMATION COPY
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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		
1	Gasoline engines and parts specially designed for gasoline engines	336312 00 4			
2	Diesel engines and parts specially designed for diesel engines	333618 03 1			
3	Engine electrical equipment (spark plugs, magnetos, generators, starters, etc.)	336322 00 3			
4	Cabs purchased for installation on farm machinery	333111 00 3			
5	Pneumatic tires and inner tubes	326210 03 6			
6	Shocks, struts, and other suspension equipment and parts	336330 00 6			
7	Transmissions and parts	336350 03 8			
8	Wheels, motor vehicle	336399 09 2			
	Fluid power products (hydraulic and pneumatic)				
9	Pumps, motors, and hydrostatic transmissions	333996 01 5			
10	Cylinders and rotary actuators	333995 01 7			

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

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		
Fluid power products (hydraulic and pneumatic) - Continued					
11	Filters	333999 01 9			
12	Hose or tube fittings and assemblies	332912 03 9			
13	Valves	332912 07 0			
Fabricated metal products, excluding forgings and fluid power valves and hose or tube fittings and assemblies					
14	Metal stampings	332000 AC 2			
15	Bolts, nuts, washers, rivets, and screw machine products	332722 03 2			
16	All other fabricated metal products	332000 41 3			
Forgings					
17	Iron and steel forgings	332111 01 2			
18	Nonferrous	332112 01 0			
Castings (rough and semifinished)					
19	Iron and steel	331510 01 6			
20	Aluminum and aluminum-base alloy	331520 05 6			
21	Other nonferrous	331520 03 1			
Shapes and forms (excluding castings, forgings, and fabricated metal products)					
Steel					
22	Bars, bar shapes, and plate	331200 07 1			
23	Sheet and strip	331200 17 0			
24	Structural shapes and sheet piling	331200 19 6			
25	All other steel shapes and forms	331200 91 5			
26	All nonferrous shapes and forms	331000 AJ 9			
27	Metal powders	331000 AA 7			
28	Electric motors and generators	335312 01 3			
29	Ball bearings (mounted or unmounted)	332991 05 8			

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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		
30	Roller bearings (mounted or unmounted)	332991 03 3			
31	Speed changers, gears, and industrial high-speed drives	333612 00 0			
32	Rubber and plastics hose and belting	326220 01 9			
33	Fabricated plastics products (excluding gaskets)	326100 11 2			
34	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	325510 03 0			
35	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↘	009700 99 8			
36	TOTAL (Should equal total reported in 15, line A1)	771000 00 7			

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 22. 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.

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

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
1	Wheel tractors (sold with or without attachments) (excluding parts) Farm-type (power take-off hp) wheel tractors, 2-wheel and 4-wheel drive (excluding contractors' off-highway wheel tractors, garden tractors, turf tractors, and motor tillers) (Report parts sold separately on line 14.) (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002.)*	333111 1100 0			
2	Nonfarm-type, including construction wheel and crawler tractors, dozers, and self propelled log skidders, 2-wheel and 4-wheel drive (Report attachments sold separately on line 17 and parts sold separately on line 16.) (Corresponds to value of shipments reported on CIR Form MA333D, Construction Machinery, for 2002.)*	333120 1550 7			
3	Farm dairy machines and equipment, sprayers and dusters (except aerial types), farm blowers, and attachments (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*	333111 3110 7			
4	Farm elevators, conveyors, and stackers (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002.)*				
5	Single and double chain type	333111 3120 6			
6	Auger type	333111 3130 5			
6	Other (Specify kind.) ↴ 	333922 7257 2			
7	Planting, seeding, and fertilizing machinery and attachments, excluding turf machinery (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*	333111 7100 4			
8	Harvesting machinery (except hay and straw) and attachments (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*	333111 9100 2			
9	Haying machinery and attachments (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*	333111 A100 0			
10	Farm plows (including plowshares, primary tillage), harrows, rollers, pulverizers, and cultivators and weeders, and attachments (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*	333111 E100 6			
11	All other farm machinery and equipment (excluding parts), including stalk shredders and cutters or rotary mowers (PTO); feed grinders and crushers; poultry, hog, and barnyard equipment; farm wagons; self-propelled irrigation systems; etc., except commercial turf equipment (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*	333111 G100 4			
12	Cotton ginning machinery, except parts (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*	333298 71B6 4			
13	Parts for cotton ginning machinery (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*	333298 72C1 2			

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued					
Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Parts for farm machinery, for sale separately (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*				
14	Parts for farm-type wheel tractors (except operator cabs)	333111 C110 7			
15	Other parts for farm machinery (except for wheel tractors)	333111 C220 4			
16	Parts for contractors' off-highway wheel tractors, crawler tractors, and tractor shovel loaders (sold separately)	333120 9245 6			
17	Construction machinery for mounting on tractors and other prime movers (excluding parts, winches, and snow clearing attachments) (Corresponds to value of shipments reported on CIR Form MA333D, Construction Machinery, for 2002)*	333120 1770 1			
18	Commercial turf and grounds care equipment, including parts and attachments (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*	333111 J100 1			
19	Lawn and garden equipment (Corresponds to value of shipments reported on CIR Form MA333A, Farm Machinery and Lawn and Garden Equipment, for 2002)*				
	Consumer nonriding lawn, garden, and snow equipment	333112 1100 8			
20	Consumer riding lawn, garden, and snow equipment	333112 3100 6			
21	Parts and attachments for consumer lawn, garden, and snow equipment	333112 7100 2			
22	Other hand-operated edge tools (including kitchen, animal hand clippers, agricultural, and forestry edge handtools)	332212 3131 0			
23	Other handtools (including nonpowered lawnmowers, woodworking and metalworking files and rasps, including precision files, except edge tools)	332212 7199 3			
24	Metal fluid milk shipping and delivery containers (except crates) and sheet metal grain bins and vats, excluding drying floors, fans, and heaters (steel and aluminum)	332439 5101 0			
25	Motor graders and light maintainers, rollers and compactors, rough-terrain forklifts, scraper bowls, and self-propelled continuous ditchers and trenchers; excluding parts (Corresponds to value of shipments reported on CIR Form MA333D, Construction Machinery, for 2002)*	333120 1660 4			
26	Snow clearing attachments for mounting on tractors or trucks, including V-shaped snow plows, single blades and wings (except rotary snow blowers), excluding parts	333120 8115 2			
27	Internal combustion engine driven chain saws	333991 3101 1			
28	Receipts for machine shop job work and job order repairs	332710 0100 1			
29	Outdoor lighting equipment, except lamps (including parts and accessories) (Corresponds to value of shipments reported on CIR Form MA335L, Electric Lighting Fixtures, for 2002)*	335129 1100 0			
30	Bicycles, complete; wheels of all diameter and all speeds (including lightweight, road, mountain, all terrain, and cruiser type)	336991 1101 0			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Products shipped and other receipts			
			Value, f.o.b. plant			
			\$ Bil.	Mil.	Thou.	
	0734	0730	0731			
31	Nonaerospace type hydraulic fluid power cylinders and actuators, linear and rotary (Corresponds to value of shipments reported on CIR Form MA333N, Fluid Power Products, for 2002)*	333995 1100 6				
32	All other products made in this establishment - <i>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.</i>	18				
33		26				
34		34				
35		42				
36		59				
37		67				
38	Contract work - Receipts for work done for others on their materials (<i>Specify products worked on and kind of work.</i>) ↘	000930 0000 8				
39	Miscellaneous receipts Sales of scrap and refuse	000999 8013 8				
40	Receipts for research and developmental work	000999 8041 9				
41	Other miscellaneous receipts (including receipts for repair work, etc.) . .	000999 8098 9				
42	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 15, line A2.)	000999 8900 6				
43	TOTAL (<i>Should equal 4, line A</i>)	770000 0000 8				

23-27 Not Applicable.



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28 ESTABLISHMENT ACTIVITIES

A. Indicate activities that were performed by this establishment or were performed for this establishment by another company during 2002.
(Mark "X" ALL that apply.)

This activity was performed -			
By this establishment	By another establishment of this company	By another company	Not at all
0921 <input type="checkbox"/>	8071 <input type="checkbox"/>	0941 <input type="checkbox"/>	0961 <input type="checkbox"/>
0923 <input type="checkbox"/>	8072 <input type="checkbox"/>	0943 <input type="checkbox"/>	0963 <input type="checkbox"/>
0924 <input type="checkbox"/>	8073 <input type="checkbox"/>	0944 <input type="checkbox"/>	0964 <input type="checkbox"/>
0925 <input type="checkbox"/>	8074 <input type="checkbox"/>	0945 <input type="checkbox"/>	0965 <input type="checkbox"/>
0926 <input type="checkbox"/>	8075 <input type="checkbox"/>	0946 <input type="checkbox"/>	0966 <input type="checkbox"/>
0927 <input type="checkbox"/>	8076 <input type="checkbox"/>	0947 <input type="checkbox"/>	0967 <input type="checkbox"/>
0928 <input type="checkbox"/>	8077 <input type="checkbox"/>	0948 <input type="checkbox"/>	0968 <input type="checkbox"/>
0932 <input type="checkbox"/>	8078 <input type="checkbox"/>	0952 <input type="checkbox"/>	0972 <input type="checkbox"/>

B. During 2002 did this establishment:

- 1. Manage inventory owned by this establishment AND held at this location? 0936 Yes 0937 No
- 2. Manage inventory owned by this establishment BUT held at a customer's location?. 0956 Yes 0957 No
- 3. Manage inventory owned by another company BUT held at this location? 0976 Yes 0977 No
- 4. Manage inventory owned by another company AND held somewhere other than at this location?. 0994 Yes 0995 No
- 5. Contract with another firm for any of your production using materials owned by this location? 8041 Yes 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 8045 No
- 7. Manufacture products for a government to their specifications? 8047 Yes 8048 No
- 8. Manufacture products for another business to their specifications? 8016 Yes 8017 No
- 9. Manufacture products for a final retail customer to their specifications? 8060 Yes 8062 No



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29 OPERATIONAL STATUS

Activity that best describes this establishment's status at the end of 2002
(Mark "X" only ONE box.)

- 0011 In operation
- 0012 Under construction, development, or exploration
- 0013 Temporarily or seasonally inactive
- 0014 Ceased operation - Give date at right →
- 0015 Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴

0018	Month	Day	Year

0060 Name of new owner or operator		0061 Employer Identification Number		
		Enter EIN of new owner (9 digits) →		
0062 Mailing address (number and street, P.O. Box, etc.)				
0063 City, town, village, etc.		0064 State	0065 ZIP Code	

Remarks (Please use this space for any explanations that may be essential in understanding your reported data.)

30 CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?

- 0078 Yes
- 0079 No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
0070			0071		

0072 Name of person to contact regarding this report		0073 Title			

Telephone	Area code	Number		Extension	Fax	Area code	Number	
0074		-			0075		-	

0076 Internet e-mail address			Date completed	Month	Day	Year
			0069			

Thank you for completing your 2002 Economic Census form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

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