

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

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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)		
				574 Millions	Thou- sands	Dollars
1	FABRICATED METAL PRODUCTS (Except forgings)	Metal stampings	346901 2	\$		
2		Wire racks, grills, springs, and other fabricated nonelectric wire products	349013 3			
3		Bolts, nuts, screws, washers, rivets, and screw machine products	345001 2			
4		All other fabricated metal products	340059 5			
5	Forgings		346000 3			
6	CASTINGS (Rough and semifinished)	Iron and steel	332001 7			
7		Aluminum and aluminum-base alloy	336005 4			
8		All other nonferrous	336003 9			
9	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL	Bars, bar shapes, and plates	331007 5		
10			Sheet and strip	331022 4		
11			All other steel shapes and forms	331034 9		
12		Aluminum and aluminum-base alloy	335010 5			
13		All other nonferrous shapes and forms	335091 5			
14	Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.		335701 9			
15	Fractional horsepower electric motors		362119 0			

CONTINUE WITH ITEM 17 ON PAGE 6

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued					
Line No.	Materials, parts, and supplies (A)	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
16	Integral horsepower electric motors and generators (1 hp or more)	362120 8	\$		
17	Paper and paperboard containers (including shipping sacks and other paper packaging supplies)	260091 4			
18	Electric transmission, distribution, and control equipment	360101 0			
19	Current-carrying wiring devices	364300 4			
20	Timing mechanisms (except microprocessors)	387316 3			
21	Automatic temperature controls (thermostats, regulators, etc.)	382201 2			
22	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products	285101 2			
23	Fabricated rubber products (except tires, tubes, hoses, belting, and gaskets)	306902 8			
24	Rubber and plastics hose and belting	305201 6			
25	Plastics products consumed in the form of sheets, rods, tubes, and other shapes	308007 4			
26	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., excluding sheets, rods, tubes, and shapes	282104 9			
27	Complete flexible cord sets	335762 1			
28	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	367004 9			
29	Mineral wool insulation (fibrous glass, rock wool, etc.)	329601 9			
30	Cost of all materials and components, parts, containers, and supplies consumed. <i>Describe the three principal materials, etc., included in this value.</i>	970099 8			
31	TOTAL Sum of lines 1–30 should equal item 10, line a		\$		

Items 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.

The Current Industrial Reports related to this report are as follows:

- a. MA35M, Refrigeration, Air-Conditioning, and Warm Air Heating Equipment
- b. MA36E, Electric Housewares and Fans
- c. MA36F, Major Household Appliances
- d. MA36H, Motors and Generators
- e. MA38B, Selected Instruments and Related Products

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 (B-1)	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts		
				CIR form (B-2)	Item codes (B-3)	Value, f.o.b. plant (E)		
			581			584	Millions	Thou- sands
1	Electric household ranges, ovens, and surface cooking units and equipment (For parts, see lines 8-25) (36311)*		36311 10 8	MA36F	See paragraph 4, "Comparability", of CIR Instruction Manual	\$		
2	Gas household ranges, ovens, and surface cooking units and equipment (For parts, see lines 8-25) (36313)*		36313 10 4					
3	Other household ranges and cooking equipment (except gas and electric) and outdoor cooking equipment (For parts, see lines 8-25) (36314)*		36314 10 2					
4	Household refrigerators (including combination refrigerator-freezers) (For parts, see lines 8-25) (36321)*		36321 00 8					
5	Food freezers, complete units (household-type) (For parts, see lines 8-25) (36322)*		36322 00 6					
6	Household laundry machines (including both coin-and noncoin-operated washing machines, dryers, and washer-dryer combinations having a dry linen capacity not exceeding 22 pounds (10kg)) (For parts, see lines 8-25) (36330)*		36330 10 8					
7	Commercial laundry drying tumblers, coin-operated, more than 22 pounds (10kg) (excluding parts)		35820 17 4					
8	Rubber and plastics hose and belting		30520 00 1					
9	Metal hardware (except fasteners)		34290 00 7					
10	Metallic fasteners (bolts, nuts, rivets, screws)		34520 00 7					
11	METAL STAMPINGS	Refrigerator stampings (residential, commercial, and industrial)	34692 61 6					
12		Stove, heater, and air-conditioner stampings (residential, commercial, and industrial)	34692 71 5					
13		Laundry equipment stampings (residential, commercial, and industrial)	34692 84 8					
14		Electrical appliance stampings (except refrigerator and laundry equipment)	34692 25 1					
15	REFRIGERATION AND SERVICE MACHINERY	Icemaking machines, not self-contained, including combinations with ice and drink dispensers (35851)*	35851 00 5	MA35M	5171 – 5172			
16		Compressors and compressor units, all refrigerants, except automotive (3585A)*	3585A 00 5		5811 – 5858			
17		Automotive air-conditioning compressors (open-type, with or without motor) (3585B)*	3585B 00 3		5869			
18		Condensing units, all refrigerants, except ammonia (complete) (35855)*	35855 00 6		5521 – 5580			
19	Automatic controls for regulating residential and commercial environments and appliances (38220)*		38220 00 0	MA38B	4570 – 4609			
20	TIMING MECHANISMS (Not for time piece use)	Household timing mechanisms	38732 53 3					
21		Commercial timing mechanisms	38732 54 1					
22	Parts and accessories for electric household ranges and ovens, such as burners, rotisseries, oven racks, broiler pans, etc. (sold separately) (36311)*		36311 20 7	MA36F	See CIR Instruction Manual			

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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 <small>581</small> (B-1)	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts			
				CIR form (B-2)	Item codes (B-3)	Value, f.o.b. plant (E)			
						<small>584</small> Millions	Thou- sands	Dollars	
23	Parts and accessories for gas household ranges and ovens, such as burners, rotisseries, oven racks, broiler pans, etc. (sold separately) (36313)*		36313 20 3	↑ MA36F ↓	↑ See paragraph 4, "Comparability", of CIR Instruction Manual ↓				
24	Parts and accessories for outdoor and other cooking equipment (sold separately) (36314)*		36314 20 1						
25	Parts and attachments for household refrigerators and freezers (excluding compressors, condensing units, icemaking machines) (36323)*		36323 00 4						
26	Parts, accessories, and attachments for household laundry equipment (sold separately) (36330)*		36330 20 7						
27	Electric fans (except industrial) (36341)*		36341 00 6						
28	Small household electric appliances (except fans) (36345)*		36345 10 6						
29	Wall and baseboard heating units for permanent installation (36345)*		36345 20 5						
30	Parts for household electric fans (36349)*		36349 11 6						
31	Parts for wall and baseboard heating units for permanent installation (36349)*		36349 30 6						
32	Parts for other small household electric appliances (36349)*		36349 20 7						
33	HOUSEHOLD VACUUM CLEANERS (Including parts and attachments) (36350)	Complete power units, central system type	36350 41 1						
34		Hand type	36350 11 4						
35		Upright/stick type	36350 33 8						
36		Other general-purpose types (including utility and canister tank types)	36350 44 5						
37		Attachments and cleaning tools (including central system attachments)	36350 51 0						
38		Parts for household type vacuum cleaners (including central systems parts)	36350 71 8						
39	Commercial and Industrial Vacuum Cleaners (35893)	PORTABLE							
40		Complete machine	35893 01 5						
41		Parts and attachments	35893 02 3						
42	COMMERCIAL AND INDUSTRIAL FLOOR AND CARPET CLEANING EQUIPMENT	Complete central system vacuum unit, including parts and attachments	35893 07 2						
43		Sanding and scrubbing machines	35892 42 1						
44		Carpet cleaning equipment (including sweepers; except vacuum cleaners)	35892 43 9						
45		Other machines (except vacuum cleaners)	35892 46 2						
46	MAJOR HOUSEHOLD APPLIANCES, NOT ELSEWHERE CLASSIFIED	Parts and attachments	35892 45 4	↑ MA36F ↓	↑ See paragraph 4, "Comparability", of CIR Instruction Manual ↓				
47		Water heaters, electric (for permanent installation) (36391)*	36391 00 1						
48		Water heaters (except electric) (36392)*	36392 00 9						
49		Household dishwashing machines, food waste disposers and trash compactors, and other major household appliances, n.e.c. (excluding parts) (36395)*	36395 11 9						
50		Household floor waxing, polishing, scrubbing and shampooing machines (including deep-cleaning carpet cleaners) (36395)*	36395 13 5						
51		Household sewing machines (including heads for sale with cabinets or cases, and heads for sale separately) (36395)*	36395 15 0						
	(Continued on next page)	Parts and accessories for dishwashing machines, food waste, disposers and trash compactors, and other major household appliances, n.e.c. (36295)*	36395 21 8						

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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		Census product code	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts		
				CIR form	Item codes	Value, f.o.b. plant		
	(A)	(B-1)	(B-2)			(B-3)	584 Millions	Thou-sands
52	MAJOR HOUSEHOLD APPLIANCES, NOT ELSE-WHERE CLASSIFIED – Continued	Parts and accessories for floor waxing, polishing, scrubbing and shampooing machines (including deep-cleaning carpet cleaners (36395)*)	36395 23 4	MA36F	See Paragraph 4 "Comparability," of CIR Instruction Manual	\$		
53		Parts and accessories for sewing machines (36395)*	36395 25 9					
54	WATER HEATERS, INCLUDING PARTS (Except household, see lines 47 and 48; and boilers, see lines 55 and 56)	Instantaneous	35892 01 7					
55		All others with more than 120 gallons (454.4 liters) capacity	35892 02 5					
56	Other heating equipment including dual-fired gas and oil burners, heat transfer coils (blast coils), range boilers, expansion tanks (including basement tanks, tanks for direct-fired water heaters (sold separately), and other parts for heating equipment, except electric (sold separately)		34339 89 5					
57	Room air-conditioners and dehumidifiers, electrically operated, mechanically refrigerated, self-contained (35856) *		35856 00 4	MA35M	5611 – 5669			
58	Unitary air-conditioners (35852)*		3585A 00 5		5210 – 5289			
59	Warm air furnaces and humidifiers (except electric) (3585C)*		3585C 00 1		5703 – 5720			
60	Domestic heating stoves (except electric)		34334 00 3					
61	Floor and wall furnaces (gas and oil)		34338 20 2					
62	Fractional horsepower motors (excluding hermetics) (36211) *		36211 00 1	MA36H	See Paragraph 4 "Comparability," of CIR Instruction Manual			
63	Integral horsepower motors and generators (excluding hermetics) (except for land transportation equipment) (36212)*		36212 00 9					
64	STAMPED AND SPUN UTENSILS, COOKING AND KITCHEN, ALUMINUM	Top range household utensils (those items generally used directly on top of source of heat) (including pressure cookers)	34694 11 7					
65		Bakeware, pantryware, and miscellaneous household utensils	34694 14 1					
66	STAMPED AND SPUN UTENSILS, COOKING AND KITCHEN, (Except aluminum)	Top of range household utensils (those generally used directly on top of source of heat) (stainless steel only)	34695 00 7					
67		Bakeware, pantryware, and miscellaneous household utensils (stainless steel only)	34695 00 7					

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

Line No.	Products and services (A)		Census product code	Products shipped and other receipts		
			581 (B)	Value, f.o.b. plant (E)		
				584 Millions	Thousands	Dollars
68	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	\$		
69			26			
70			34			
71			42			
72			59			
73			67			
74			75			
75			83			
76	91					
77	CONTRACT WORK	Receipts for work done for others on their own materials <i>Describe below products worked on and kind of work.</i>	93000 00 8			
78	MISCELLANEOUS RECEIPTS	Miscellaneous receipts, including receipts for repair work, sales of scrap and refuse, etc.	99980 00 5			
79	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			
80	TOTAL value of shipments and other receipts Sum of lines 1–79, 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