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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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 the dect, have incurred in acquiring the materials.

Materials received from other plants within your land the resorted at their full example assigned by the shipping plant, plus the cold to other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into plotucion, you may report the cost of purchases or transfers. However, if consumption differs sphificantly 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."

· · · · · · · · · · · · · · · · · · ·									
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							
Fabricated metal products (excluding forgings)									
Metal stampings	332000 AC 2								
				1 1					
Bolts, nuts, screws, rivets, washers, and screw machine products	332722 03 2								
All other fabricated metal products	332000 85 0								
				1 1					
Forgings	332100 01 5								
Castings (rough and somifinished)									
Castings (rough and semininshed)									
Iron and steel	331510 01 6								
Aluminum and aluminum-base alloy	331520 05 6								
,									
Other nonferrous castings	331520 03 1								
	Fabricated metal products (excluding forgings) Metal stampings Bolts, nuts, screws, rivets, washers, and screw machine products All other fabricated metal products Forgings Castings (rough and semifinished) Iron and steel Aluminum and aluminum-base alloy	Materials, parts, and supplies code 0630 Fabricated metal products (excluding forgings) Metal stampings	Materials, parts, and supplies Census material code Cost, i \$ Bil. 0630 0631 Fabricated metal products (excluding forgings) Metal stampings 332000 AC 2 Bolts, nuts, screws, rivets, washers, and screw machine products All other fabricated metal products 732722 03 2 All other fabricated metal products 732000 85 0 Forgings 732100 01 5 Castings (rough and semifinished) Iron and steel Aluminum and aluminum-base alloy 331520 05 6	Materials, parts, and supplies Census material code Cost, including de (freight-ir \$Bil. Mil. 0631 0631 0631 0631 0631 0631 0631 0631					

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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, in	cluding de (freight-i	livery cost n)				
	0634	0630	\$ Bil. 0631	Mil.	Thou.				
28	Carbon brushes	335991 05 5							
29	Ceramic magnets (ferrite)	327113 03 1	'						
30	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	326100 13 8							
31	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc	325211 05 0							
32	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied products	325510 03 0							
33	Electrical industrial capacitors, resistors, rheostats, and coil windings	335000 07 1							
34	Electrical transmission, distribution, and control equipment	001900 B1 6							
35	Paperboard containers, boxes, and corrugated paperboard	322210 01 4							
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							
37 (T)	TOTAL (Should equal total reported in 6 , line A1)	771000 00 7							





Form	MC-33	505	5 Pag	je 11
			lease enter your 11-digit Census File from the mailing address.	
18	TYPE OI	OP	PERATION	
	(Mark ")	(" th	ne "Yes" box for each operation performed. Mark the "No" box for all others.)	
			Operations performed in this establishment during 2002	
			Rewinding armatures or repairing electric motors owned by others on a custom basis in a repair shop	
0620	727		Yes (Report the value of work done in 2 , line 8.)	
	728		No	
			Rebuilding, remanufacturing, or rewinding armatures on a factory basis	
	729		Yes (Report the value of shipments for this activity in 29, line 9.)	
	730		No	
			Rebuilding or remanufacturing complete electric motors on a factory basis	
	731		Yes (Report the value of shipments for this activity in the appropriate product code in 29, lines 1-6.)	
			(Rebuilt or remanufactured complete electric motors must have been dismantled and reconstructed, as necessary; all parts cleaned and made free from rust and corrosion; damaged, defective, worn, and missing parts restored or replaced; and other operations performed necessary to put the product in sour working condition.)	nd
	732		No	
9	- 21 No	t Ap	plicable.	
22	DETAIL	OF S	SALES, SHIPMENTS, RECEIPTS, OR REVENUE	
	Genera products	I - T s tha	The manufactured products and services listed below are generally made in your industry. If you make at are not listed, describe and report them in the "All other products made in this establishment" section at	t

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.

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Ġ.	Products and services		Products shipped and othe receipts					
Line No.	*Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	V	plant				
Ë			\$ Bil.	Mil.	Thou.			
	0734	0730	0731					
l	Fractional horsepower motors (rated at less than 746 watts) (excluding hermetics) (Corresponds to value of shipments reported on CIR Form MA335H, Motors and Generators, for 2002)*	335312 1100 2						
!	Integral horsepower motors and generators other than for land transportation equipment (rated at 746 watts or more), excluding hermetics (Corresponds to value of shipments reported on CIR Form MA335H, Motors and Generators, for 2002)*	335312 3100 0			1 1			
3	Land transportation motors, generators, and control equipment (excluding parts) see line 7. (Corresponds to value of shipments reported on CIR Form MA335H, Motors and Generators, for 2002)*	335312 5100 8		1 1				
ı	Prime mover generator sets (excluding steam or hydraulic turbine) (Corresponds to value of shipments reported on CIR Form MA335H, Motors and Generators, for 2002)*	335312 7100 6						
	Motor generator sets and other rotating equipment (including hermetics) (Corresponds to value of shipments reported on CIR Form MA335H, Motors and Generators, for 2002)*							
5	Fractional	335312 9100 4						
6	Integral	335312 A100 2						
7	Parts and supplies for motors, generators, generator sets, and other rotating equipment (excluding motors for built-in jobs) (<i>Report motors for built-in jobs in appropriate classification above.</i>) (Corresponds to value of shipments reported on CIR Form MA335H, Motors and Generators, for 2002)*	335312 C100 0						
В	Custom repair shop rewinding of armatures or repairing electric motors	000976 9410 3						
9	Rewinding armatures on a factory basis	335312 E100 8		<u> </u>				
10	Turbines, turbine generators, turbine generator sets, and parts	333611 0YWW 2						
11	Gasoline and gas-gasoline engines (excluding aircraft, automobile, highway truck, bus, tank, and outboard marine) (Corresponds to value of shipments reported on CIR Form MA333L, Internal Combustion Engines, for 2002)*	333618 1100 4						
12	Diesel, semidiesel, and dual-fuel engines (excluding automobile, highway truck, bus, and tank) (Corresponds to value of shipments reported on CIR Form MA333L, Internal Combustion Engines, for 2002)*	333618 3100 2						
13	Multistage blowers	333412 0329 8						
	Other centrifugal fans and blowers (excluding parts.) (Report parts on line 29.)(Specify kind.)							
14		333412 0YWW 5						
15	Commercial, institutional, and industrial general-purpose transformers, all voltages, single- and three-phase (excluding electric utility distribution transformers)	335311 7YWV 2						
16	Power regulators, boosters, and other transformers (including parts and accessories for all transformers)	335311 9YWV 0						

CONTINUE WITH **②** ON PAGE 13



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

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

No.	Products and services	Census product	Products shipped and other receipts				
Line No.	*Items correspond to products reported on Current Industrial Reports (CIR)	code	Value, f.o.b. \$ Bil. Mil.		plant Thou.		
	0734	0730	0731				
17	Low voltage panelboards and distribution boards and other switching and interrupting devices, 1000 volts or less (Report higher voltages on line 18.) (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for	005040 0400 0					
17	2002.)*	335313 3100 8					
18	Switchgear, except ducts and relays (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335313 A100 0					
	Relays and industrial controls						
19	Relays for electronic circuitry, industrial control overload, and switchgear type (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002.)*	335314 1100 8					
20	Specific-purpose industrial controls (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002.)*	335314 3100 6					
21	General-purpose industrial controls (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335314 5100 4					
22	Solenoids for industrial use (excluding solenoid-actuated regulating valves)	335999 6104 3					
23	Parts for industrial controls and motor-control accessories (Corresponds to value of shipments reported on CIR Form MA335A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 2002)*	335314 7100 2					
	Cranking motors (Starters)						
24	Automotive types, new	336322 5101 4					
25	Other types, new	336322 5104 8			- -		
26	Rebuilt, all types	336322 5201 2					
27	Aeronautical, nautical, and navigational instruments, except aircraft engine instruments (Corresponds to value of shipments reported on CIR Form MA334B, Selected Instruments and Related Products, for 2002)*	334511 1100 0					
28	Process control instruments (Corresponds to value of shipments reported on CIR Form MA334B, Selected Instruments and Related Products, for 2002)* .	334513 0100 7					

CONTINUE WITH 2 ON PAGE 14

8	DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued									
No.	Products and services	Census product								
Line No.	*Items correspond to products reported on Current Industrial Reports (CIR)	code		alue, f.o.b.	1					
	0734	0730	\$ Bil.	Mil.	Thou.					
	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.	0730	0/31							
29		18		1 1						
30		26								
31		34								
32		42								
33		59								
34		67								
	Contract work - Receipts for work done for others on their materials (Specify products worked on and kind of work.)									
35		000930 0000 8								
36	Miscellaneous receipts (excluding custom repair shop rewinding of armatures or repairing electric motors reported on line 8)	000999 8098 9								
37	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 6 , line A2.)	000999 8900 6								
38	TOTAL (Should equal 4), line A)	770000 0000 8								
23	-27 Not Applicable.									



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		This activity was performed -										
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.)		By this establishment		By another establishment of this company		another mpany	Not	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	3	0937	□ No)				
2.	Manage inventory owned by this establishment BUT held at a customer's location?	0956		Yes	5	0957	□ No)				
3.	Manage inventory owned by another company BUT held at this location?	0976		Yes	6	0977	□ No)				
4.	Manage inventory owned by another company AND held somewhere other than at this location?	0994		Yes	6	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	3	8048	□ No					
8.	Manufacture products for another business to their specifications?	8016		Yes	S	8017	□ No					
9.	Manufacture products for a final retail customer to their specifications?	8060		Yes	8	8062	□ No					

. 0			303													1 age 10
29	OPE	RAT	IONAL STATUS													
	Activ (Mar	ity t k "X	that best describes th (" only ONE box.)	is est	tablis	hment's statu	us at th	ne end d	of 20	02						
	0011		In operation	0013		Temporarily	or sea	sonally	inac	tive						
	0012		Under construction, development, or	0014		Ceased oper	ation -	Give d	ate a	t right		-	0018	Month	Day	Year
			exploration	0015		Sold or lease Give date at and mailing	AND ent	ter n	ator - ew nai	 me						
		006	Name of new owner o	r ope	rator			0061	Emp	loyer lo	dentificat	ion l	Numbe	r		
									Ente	r EIN o er <i>(9 di</i>	f new	-		-		
		006	² Mailing address (num	ber ar	nd stre	eet, P.O. Box, e	etc.)					ļ				
		006	3 City, town, village, etc								0064 S	tate	0065 Z	IP Code		
															_	
Ren	narks	(Plea	ase use this space for	any	expla	anations that	may b	e essen	itial i	n unde	erstandi	ng y	our re	eported	data.)	
30	CERT	ΓIFIC	CATION - This report i	is sul	ostan	tially accurate	e and v	was pre	pare	d in ac	ccordan	ce w	ith the	e instru	ctions.	
ls th	e time	per	riod covered by this re	eport	аса	lendar vear?	Г		ı	Month	Yea	r			Month	Year
0078	□ Y					eriod covere	db	FROM		violitii	i ed			то	WIGHT	I Gai
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0072	Name o	of pe	erson to contact regardir	ng this	s repo	ort		0073 Titl	е							
			Area code		Num	ber	Exte	nsion				Are	a code		Nun	nber
	Telepl	hone	0074		-	1 1 1				Fax					-	1 1 1
0076 	nterne	t e-n	nail address								0075			Month	Day	Year
											Date comple					
													0069			
			Thank you f	for	con	npletina v	vour	2002	2 Ec	ono	mic C	: en	sus	form		

Thank you for completing your 2002 Economic Census form.

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

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