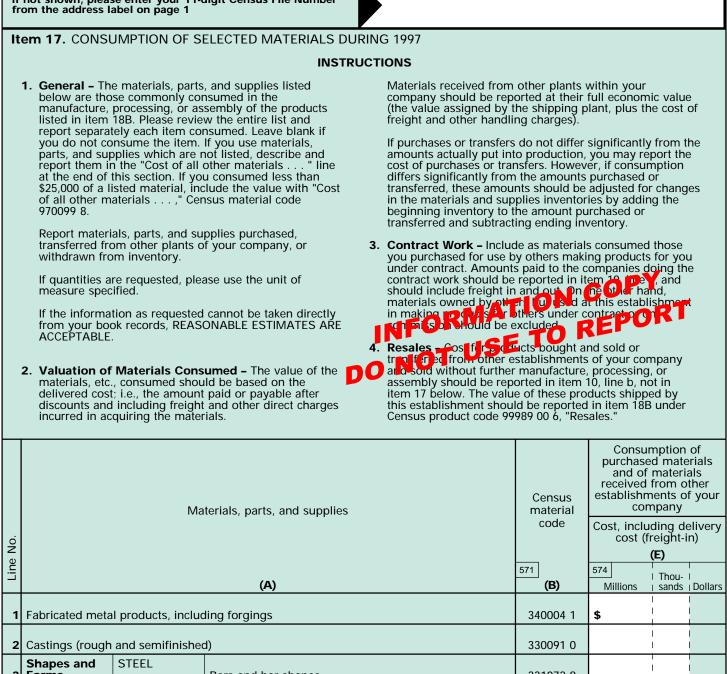
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Ľ			(B)	Millions	Thou- sands	l Dollars	
1	Fabricated meta	I products, inclue	340004 1	\$			
2	Castings (rough	and semifinishe	330091 0			1	
3	Shapes and Forms	STEEL	Bars and bar shapes	331072 9		 	
4	(Except castings, forgings,		Sheet and strip	331022 4			
5	and fabricated		Wire and wire products	331027 3		 	
6	metal products)		All other steel shapes and forms	331035 6		 	
7		COPPER AND COPPER-BASE ALLOY ALUMINUM AND ALUMINUM- BASE ALLOY	Rod, bar, and bar shapes	335103 8			
8			Plate, sheet, and strip (including military cups and discs)	335143 4			
9			All other copper and copper-base alloy shapes and forms	335110 3		 	
10			Extruded shapes (including extruded rod, bar, pipe, tube, etc.)	335405 7			
11			All other (wire, rolled rod and bar, powder, welded tubing, etc.)	335020 4			
12		All other nonfer	rous shapes and forms	335099 8			
13	Plastics product	s consumed in th	308007 4				
14	Paperboard con	tainers, boxes, a	265001 8				
				•	•		

CONTINUE WITH ITEM 17 ON PAGE 6

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It	em 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continue	ed					
Line No.	Materials, parts, and supplies		Census materia code	re s est	Consumption of purchased materials and of materials received from other establishments of your company Cost, including delivery cost (freight-in) (E)		
	(A)	5	(B)	574 N		Thou- sands	
15	Special dies, tools, die sets, jigs, and fixtures (except cutting tools for machine tools)		354430	1 \$			
16	Cost of all other materials and components, parts, containers, and supplies consumed <i>Describe the principal materials, etc., included in this value.</i>		970099	8			
17	TOTAL Sum of lines 1–16 should equal item 10, line a			\$	 		
I	tem 18A. SELECTED METALWORKING AND RELATED OPERATIONS PERFORE ESTABLISHMENT DURING 1997	RMED I	N THIS	591 Ma	3207 8 1. 3207 8	-	te box
					Yes	- -	
		0070		592			
	Were any of the operations listed below performed in this establishment in 1 If "Ves" indicate in column (C) by marking appropriately, which of the specified oper				1	1 2	
	If "Yes," indicate in column (C) by marking appropriately, which of the specified oper performed in this establishment during 1997. Where "YES" is marked, show in colum approximate number of production workers on all shifts usually engaged in the spec	ified op	e eration.				
Line No.	Operation	Census code	oper perfori th establis	this ation med in is shment 1997?	n produ d in workers shifts) nent employe		on n all ally vhen d : if
	(A)	(B)	Yes	No		(D)	<i>,</i>
1	Electroplating and other plating	018	1 🗌	2 🗌			
2	Galvanizing and other hot dip coating	026	1	2			
3	Heat treating of metals for production purposes	034	1	2			
4	Precision turned products (on screw machines, turning centers, and CNC equipment)	042	1	2			
5	Machine shop	059	1 🗌	2			
e	Tool and die shop (if separate from machine shop) for jigs, fixtures, dies, and other special tooling	067	1	2			
7	Pattern shop (foundry patterns only – metal, wood, etc.)	075	1	2			
8	Sheet metal work, aluminum or steel	083	1	2 🗌			
9	Stamping and blanking of metals	091	1	2 🗌			
10	Painting, lacquering, and enameling on metals	109	1	2 🗌			
11	Welding of steel plate for manufacturing production	117	1	2			
12	Welding repair shop	125	1	2 🗌			

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Census File Number If not shown, please enter your 11-digit Census File Number from the address label on page 1 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 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. DO NOT COMBINE PRODUCT LINES **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 3. If quantities are requested, please use the unit of measure specified. 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 If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE. 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." 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. Products shipped and other receipts Census Value, f.o.b. plant Products and services product code (E) . О 584 Line Thou-sands Millions Dollars (A) **(B)** Metal fasteners for aircraft (including aerospace: meeting specifications for flying vehicles), such as: (a) bolts, 161 KSI tensile or more; (b) bolts, less than 161 KSI tensile; (c) locknuts; (d) other nuts; (e) rivets; (f) pins; (g) screws; (h) washers – *Specify* 1 34527 00 2 \$ Screws, bolts, and other externally threaded, such as: (a) tapping or wood screws; (b) cap, set, machine, lag, flange, or self-locking screws; (c) hex bolts; (d) mine roof bolts; (e) other bolts; or (f) other – *Specify* OTHER METAL FASTENERS 2 34524 00 9 Internally threaded, such as: (a) hex nuts; (b) square nuts; or (c) other -Specify 3 34525 00 6 Nonthreaded, such as: (a) washers; (b) rivets, tubular, split (including rivet caps) and blind; (c) rivets, solid; or (d) other – *Specify* 4 34526 00 4 Other metal products made by cold-heading processes (or warm- or hot-heading processes [on fastener machines]) – *Specify whether end use is:* (a) automotive; (b) aircraft; (c) for household appliances (including radio and television); (d) other; or (e) unknown – *Specify* 5 34528 00 0 PRECISION TURNED PRODUCTS Automotive (34511) 34511 00 6 6 AND TURNED PARTS 7 Aircraft 34512 31 9 (Nonstandard items made from rod, bar, 34512 39 2 8 Ordnance or tube stock on screw Household appliances, including radio and television 34512 42 6 9 machine turning centers and CNC 10 Electric and electronic equipment, except household appliances 34512 52 5 equipment producing turned parts on basis of 34512 57 4 Medical equipment and supplies 11 end product in which to be 12 Machinery 34512 62 4 incorporated) All other end uses - Specify major end uses 34512 98 8 13 PUMPS AND PUMPING For gasoline service station use 35860 00 6 14 FOUIPMENT For other use (except fluid power pumps, vacuum pumps, concrete pumps, and pumps for motor vehicles; report those on lines 41-46) (corresponds to the sum of item codes 1098-1995 as reported on CIR form MA35P, Pumps [except hydraulic] and Compressors, for 1997) 15 35610 00 5

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				Products shipped and other receipts				
No.			Products and services					ant
Line N					581 code	584	(E) Theu	1
Lir			(A)		(B)	Millions	Thou- sands	l Dollars
16	Fluid power va codes 1201-227	lves, hose fittings, 17 as reported on (34920 00 9	\$	 			
17	Industrial valve	es, except fluid pov	34910 00 0					
	Fabricated pipe	e and pipe fittings			1			
18					34980 00 3		 	
19	Other metal va goods; report t	lves and pipe fittin hose on lines 41-4	gs (except garde 6)	en hose products and plumbers' brass	34940 00 7			
20	Dies and interc power-driven h	hangeable cutting andtools	tools, except me	etal-cutting, for machines and	34235 00 2		 	
21	Cutting tools, r for machine to	nachine tool acces ols and for other n	sories, and mac netalworking ma	hinists' precision measuring devices, chinery	35450 00 6		 	
22	Industrial mold	ls and mold boxes	35442 00 3		 	1		
23	Special dies an	id tools, die sets, ji	gs, and fixtures		35441 00 5		 	
24	Fabricated stee exchangers, ta	el plate work (boile nks, vessels, and g	34430 00 1		 			
25	Sheet metal we	ork		34440 00 8		1		
26	JOB STAMPINGS	Automotive		34650 00 2		 		
27		Other		34692 00 4				
	Flexible metal	hose and tubing -			 			
28			35994 00 3		, 			
	Hardware, not	elsewhere classifie	l and use			 	Ì	
29					34290 00 7			
30	Electroplating,	plating, polishing,	and anodizing (performed on metals)	34710 00 4		 	
31	Etching, engrav	ving, coating, and	allied services (p	performed on metals)	34790 00 6			
32	•	achine shop job w	ork and job orde	r repairs	35995 00 0		 	
33	Fabricated Plastics Products	FOR TRANSPORTA- TION,	Reinforced or fi	berglass products	3089A 00 6			
	NOT Made On Turning Centers	BUILDING OR CONSTRUCTION,	Not reinforced or fiberglass	For transportation – Specify whether motor vehicle, aircraft/aerospace, or other			 	
34	(Excluding pipe, bottles, plumbing	ELECTRICAL OR ELECTRONIC,			30891 00 6		 	
35	fixtures, foam products, laminates,	OR FURNITURE COMPONENTS OR		For building or construction (except hardware; report hardware on line 40)	30898 00 1		 	
36	unsupported shapes, and	FURNISHING APPLICATIONS		For electrical or electronic applications	30892 00 4			
37	custom compounding of purchased			30897 00 3				
38	resins and color concentrates;	For industrial mad	30893 00 2		 			
39	report those	ware (except cups	•	30895 00 7		 		
		Other plastics pro	kind			, 		
40		<u> </u>			30890 00 1			

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Census File Number

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued												
		Products and services (A) Products and services Products shipped other receipts Value, f.o.b. pla (B) Products shipped other receipts Value, f.o.b. pla (B) Millions							d and ts			
о.	Products and services						product code				lant	
Line No.								581	584		 Thou	1
Ē								(B)	N	Aillions		
	ALL OTHER PRODUCTS MADE IN THIS ESTABLISH- MENT	<i>Secribe and report separatel</i> <i>\$50,000 or more which canno</i> <i>Specify unit of measure for q</i> <i>"Other" and report a single to</i>	t be assigne uantity. For	ed to ol	ne of th	ne lines a	bove.				 	-
41								18	\$		i I	i I
42								26			 	1
								34			 	
43								42				i
44								59			 	
45								67				
46	CONTRACT							-				
47		Receipts for work done for oth Describe below products work	hers on thei ked on and	r own i kind of	materia work.	ls		93000 00	8		 	
								-				
								-			 	
	RESALES					6						
48		Sales of products bought and processing, or assembly in th should be reported in item 10	is establishr	nent. T	he cos	t of such	items	99989 00	6		 	
49	MISCELLA- NEOUS						99980 13	8				
50	RECEIPTS	ECEIPTS Other miscellaneous receipts (including receipts for repair work, etc.)					, etc.)	99980 98	9			
51	TOTAL value of shipments and other receipts							77000 00	8 \$		 	
								77000 00	0 4			<u> </u>
		Not applicable to this report		at ma	(ha aa	contial in	undorate	anding your	roport	tod data		
	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 (Print or type)Area codeNumberExtension6671Telephone21										ision		
	ame of company	1				-		reet, city, St	ate, ZIF	^{>} Code)	1	
-		FROM: Month	Day	Year		TO: M	onth		Day	T	Year	
Period covered 666 1 2 Signature of authorized person Title Date										Date		