

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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 e, and in item 17 below. The value of these products shipped by this establishment should be reported in item 18B. Use Census material code 99989 00 6, "Resale."

5. Produced and consumed – Forgings, foundries, and other primary 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.

INFORMATION COPY
 DO NOT USE TO REPORT

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	Aircraft engines	372400 2	\$		
2	Aircraft engine parts (except instruments)	372440 8			
3	STRUCTURAL COMPONENTS (Airframe), EXCLUDING INSTRUMENTS	Fuselage	372861 5		
4		Empennage (tail)	372862 3		
5		Wings	372863 1		
6		Landing gear	372864 9		
7		Other (including engine mounts), excluding engines, accessories, electronics, and other parts that may be replaced from time to time	372865 6		
8	Aircraft propellers and parts thereof	372851 6			
9	Aircraft seats	253140 8			
10	AVIONICS	Radio communication systems and equipment, including airborne transmitters and receivers (microwave, UHF, VHF, etc.)	366303 6		
11		Navigational systems and equipment (NAVAIDS), including autopilots, proximity warning/collision avoidance equipment, airborne integrated data systems, etc.	381260 9		
12		Search, detection, tracking, and electronic communication systems and equipment (RADAR, SONAR, Optical), including air defense and control equipment, mapping, monitoring, and evaluation equipment, etc.	380090 1		
13		Flight, navigational, airframe, and engine indicators, instruments and clusters, including sensors, transmitters, and displays	380091 9		
14	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic-type components	367004 9			
15	MATRIX COMPOSITES	Resin	190070 3		
16		Other, including ceramic, carbon, metal, etc.	190071 1		
17	Complete mechanical, hydraulic, and pneumatic subassemblies	372870 6			

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 - Continued

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
18	FLUID POWER PRODUCTS (Hydraulic and pneumatic), EXCLUDING COMPLETE SUB-ASSEMBLIES	Fluid power pumps, motors, and hydrostatic transmissions	359412 4	\$		
19		Valves	349235 2			
20		Hose or tube fittings and assemblies	349261 8			
21		Cylinders and rotary actuators	359303 5			
22		Filters	356921 7			
23		Other fluid power products, except pumps, compressors, valves, cylinders, rotary actuators, hose or tube fittings and assemblies, and filters	190089 3			
24	Bearings, ball and roller (mounted and unmounted)		356200 6			
25	Cutting tools for machine tools		354501 9			
26	FABRICATED METAL PRODUCTS, EXCEPT FORGINGS	Aircraft metal hardware	342973 5			
27		Bolts, nuts, screws, rivets, washers, and screw machine products	345001 2			
28		Other fabricated metal products, except fluid power products	340050 4			
29	FORGINGS	Iron and steel	346200 9			
30		Aluminum and aluminum-base alloy	346310 6			
31		Titanium and titanium-base alloy	346326 2			
32		Other	346001 1			
33	CASTING (Rough and semifinished)	Iron and steel	332001 7			
34		Aluminum and aluminum-base alloy	336005 4			
35		Other nonferrous	336003 9			
36	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL	Bars, bar shapes, and plates	331007 5		
37			Sheet and strip	331022 4		
38			All other steel shapes and forms	331034 9		
39		ALUMINUM AND ALUMINUM-BASE ALLOY	Sheet, plate, foil, and welded tubing	335301 8		
40			All other aluminum and aluminum-base alloy shapes and forms	335011 3		
41		Copper and copper-base alloy		332007 4		
42		Titanium and titanium-base alloy		335601 1		
43		Other nonferrous shapes and forms		335042 8		
44	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products		285101 2			

CONTINUE WITH ITEM 17 ON PAGE 7

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 - Continued					
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)		
		571	574	Thou-	sands
			Millions	Dollars	
45	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	\$		
46	TOTAL Sum of lines 1-45 should equal item 10, line a		\$		

Item 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 - These instructions recognize that the assignment of product shipment values by the aerospace industries differs from that followed by most manufacturing industries. In accounting for contracts, the assignment of product shipment values should be determined by a choice between the two generally accepted methods: the percentage of completion method and the completed contract method. Most contracts within the aerospace industries are variations of "fixed price" or "cost plus." These instructions are designed to ensure that products are reported consistently in item 12 (inventories) and item 18B (products).

- Fixed price contracts - Work performed under a fixed price contract can be reported using the completed contract method or percentage of completion method. Under the completed contract method, the contract should be reported as a shipment when delivery of the product occurs. The cumulative value of the products being manufactured should be included in inventories gross of progress payments until delivered. (These inventories should not be reduced by the amount of any progress payment.)

Under the percentage of completion method, the value of shipments is based upon an estimate of the value of work done during the period as a percentage of the total value of the contract. The estimate can be made by any criteria established by management and in compliance with AICPA Statement of Position 81-1. Any work done during the year which has not been reported as a shipment should be reported in work-in-process inventories.

- Cost plus contracts - The value of work done on a cost plus contract should reflect cost incurred during the year as well as a portion of the profits for the contract. Value of work done may be based on (a) the estimated work completed during the year as a percentage of the total contract price or (b) net billings for work done during the year. This value should be reported for the value of products shipped. Any work done during the year which has not been reported as a shipment should be reported in work-in-process inventories.

Nonaerospace products - The value of nonaerospace products shipped and services performed should be based on the net selling value, f.o.b. plant, after discounts and allowances, and exclusive of freight charges and excise taxes.

Include products made elsewhere for this establishment on a contract basis from materials supplied by this establishment (the cost of these materials should be included in items 10, line a and 17).

When transferring products to other establishments within your company, the shipping plant 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. Products Bought and Sold Without Further Manufacture (Resales) - Line 100 - Report the selling value, f.o.b. plant, of products which were resold as originally purchased and not used in further manufacturing, processing, or assembling of products made in this establishment. Include aircraft engines, subassemblies or parts that were purchased from aircraft parts producers (or received from other establishments of your company) and resold by you as spare or replacement parts even though you may have repackaged them or performed certain other minor operations, such as covering them with a protective coating, etc. (The cost of such resold goods should be reported in item 10, line b.)

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.

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

6. Definitions of Research and Development - Research and development includes research in the sciences and in engineering, and design and development of prototypes and processes. It does not include quality control, routine product testing, market research, sales promotion, sales service, research in the social sciences or psychology, or other nontechnological activities or technical services. Development includes technical activity concerned with nonroutine problems which are encountered in translating research findings or other general scientific knowledge into products or processes. Do not include routine technical services to customers or other items excluded from the definition of research and development.

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	Products shipped and other receipts				
					Value, f.o.b. plant (E)				
	(A)			581 (B)	584 Millions	Thousands	Dollars		
1	COMPLETE AIRCRAFT	Military (including all aircraft for U.S. military; and any other aircraft built to military specifications). Exclude modification, conversion, and other aeronautical services to be reported below. Include materials consumed during 1997, labor, overhead, and profits in computing value of work done. (37211)		37211 00 0	\$				
2		Civil (corresponds to the sum of item codes 1204-1207, 1401, 1405, and 1510 as reported on CIR Form M37G, Complete Aircraft and Aircraft Engines, for 1997) (37215)*		37215 00 1					
3	Aeronautical Services	MODIFICATION, CONVERSION, AND OVERHAUL OF PREVIOUSLY ACCEPTED AIRCRAFT (37217)	For military customers (U.S. military and any other aircraft built to military specifications)	37217 11 4					
4			For civilian customers	37217 51 0					
5		OTHER AERONAUTICAL SERVICES ON COMPLETE AIRCRAFT (Including receipts for research and development on aircraft; except missiles and engines, including receipts for work done for affiliates and other establishments of your company) (37218)	For Military Customers (U.S. Military and Any Other Aircraft Built to Military Specifications)	Research and development on complete aircraft	37218 13 8				
6				All other aeronautical services on complete aircraft	37218 15 3				
7			For Civilian Customers	Research and development on complete aircraft	37218 53 4				
8				All other aeronautical services on complete aircraft	37218 55 9				
9			Aircraft Engines and Parts	AIRCRAFT ENGINES	Military engines (for U.S. military aircraft and any other aircraft built to military specifications) (37241)	37241 00 7			
10					For civilian aircraft (corresponds to the sum of item codes 4201-4214 on CIR Form M37G, Complete Aircraft and Aircraft Engines, for 1997) (37242)*	37242 00 5			
11	RESEARCH AND DEVELOPMENT WORK ON AIRCRAFT ENGINES (Including receipts for work done for affiliates and other establishments of your company)	For military engines (for U.S. military aircraft and any other aircraft built to military specifications)		37243 21 9					
12		For civilian aircraft engines		37243 23 5					
13	ALL OTHER AERONAUTICAL SERVICES ON AIRCRAFT ENGINES	For military engines (for U.S. military aircraft and any other aircraft built to military specifications)		37243 31 8					
14		For civilian aircraft engines		37243 33 4					
15	AIRCRAFT ENGINE PARTS AND ACCESSORIES (37244)	Military		For spark ignition reciprocating or rotary internal combustion engines	37244 01 9				
16				For other engines	37244 02 7				
17		Civilian	For spark ignition reciprocating or rotary internal combustion engines	37244 05 0					
18			For other engines	37244 06 8					

CONTINUE WITH ITEM 18B ON PAGE 9

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

Census File Number

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)	Products shipped and other receipts		
				Value, f.o.b. plant (E)		
				584 Millions	Thousands	Dollars
19	AIRCRAFT HYDRAULIC AND PNEUMATIC SUB-ASSEMBLIES (37284)	Aerospace-type hydraulic valves*	37284 01 5	\$		
20		Aerospace-type pneumatic valves*	37284 02 3			
21		Aerospace-type fluid power (hydraulic and pneumatic) hose assemblies and fittings*	37284 03 1			
22		Hydraulic fluid power pumps, motors, and hydrostatic transmission components (including the value of the driver if shipped as a complete unit)*	37284 05 6			
23		Parts and attachments for hydraulic fluid power pumps, motors, and hydrostatic transmissions*	37284 07 2			
24		Aerospace-type fluid power (hydraulic and pneumatic) cylinders and actuators*	37284 09 8			
25	Aircraft Parts and Auxiliary Equipment, Excluding Hydraulic and Pneumatic Subassemblies and Engines (37285)	AIRCRAFT MECHANICAL POWER TRANSMISSION EQUIPMENT				
		For military aircraft (U.S. military aircraft and any other aircraft built to military specifications)	37285 13 7			
26		For civilian aircraft	37285 15 2			
27		AIRCRAFT LANDING GEAR				
		For military aircraft (U.S. military aircraft and any other aircraft built to military specifications)	37285 94 7			
28		For civilian aircraft	37285 95 4			
29	OTHER AIRCRAFT SUBASSEMBLIES AND PARTS, EXCEPT AIRCRAFT PROPELLERS, HELICOPTER ROTORS, AND PARTS THEREOF	For military aircraft (U.S. military aircraft and any other aircraft built to military specifications)	37285 98 8			
30		For civilian aircraft	37285 99 6			
31	RECEIPTS FROM RESEARCH AND DEVELOPMENT ON AIRCRAFT PARTS (Except engines) (37283)	For military aircraft parts (U.S. military aircraft and any other aircraft built to military specifications)	37283 13 2			
32		For civilian aircraft parts	37283 15 7			
33	AIRCRAFT PROPELLERS AND HELICOPTER ROTORS (37282)	Complete propellers (excluding helicopter rotors)	37282 10 0			
34		Propeller blades	37282 31 6			
35		Propeller parts (except propeller blades)	37282 51 4			
36		Helicopter rotors and parts	37282 61 3			
37	GUIDED MISSILE SYSTEMS (Excluding propulsion)	Complete missiles (37611)	37611 00 1			
38		Research and development on complete missiles (37613)	37613 00 7			
39		All other services on complete missiles (37616)	37616 00 0			

CONTINUE WITH ITEM 18B ON PAGE 10

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	Products shipped and other receipts		
					Value, f.o.b. plant (E)		
	(A)			(B)	584 Millions	Thousands	Dollars
40	Space Vehicles (Report communication satellites on line 79)	SPACE VEHICLES, COMPLETE (Excluding propulsion system) (37612)	Complete space vehicles for U.S. Government military customers	37612 01 7	\$		
41			Complete space vehicles for other customers	37612 02 5			
42		RESEARCH AND DEVELOPMENT ON COMPLETE SPACE VEHICLES (37614)	For U.S. Government military customers	37614 01 3			
43			For other customers	37614 02 1			
44		ALL OTHER SERVICES ON COMPLETE SPACE VEHICLES (37617)	For U.S. Government military customers	37617 02 4			
45			For other customers	37617 03 2			
46	Guided Missile and Space Vehicle Engines and/or Propulsion Units and Parts	COMPLETE MISSILE OR SPACE VEHICLE ENGINES AND/OR PROPULSION UNITS (37645)	<i>Report the values for missile engines and space vehicle engines separately under codes 37645 11-37645 15 (on lines 46-48) if separable from the value reported under codes 37611 00 and 37612 01-37612 02 (on lines 37, 40, and 41). If not separable, note this fact in the "Remarks" section.</i>				
47			For U.S. Government military customers	37645 11 6			
48			For U.S. Government nonmilitary customers	37645 13 2			
49			For other customers	37645 15 7			
50		RESEARCH AND DEVELOPMENT ON COMPLETE MISSILE OR SPACE VEHICLE ENGINES AND/OR PROPULSION UNITS (37646)	For U.S. Government military customers	37646 11 4			
51			For U.S. Government nonmilitary customers	37646 13 0			
52			For other customers	37646 15 5			
53		ALL OTHER SERVICES ON COMPLETE MISSILE OR SPACE VEHICLE ENGINES AND/OR PROPULSION UNITS (37647)	For U.S. Government military customers	37647 11 2			
54			For U.S. Government nonmilitary customers	37647 13 8			
55			For other customers	37647 15 3			
56		MISSILE AND SPACE VEHICLE ENGINE AND/OR PROPULSION UNIT PARTS AND ACCESSORIES (37648)	For U.S. Government military customers	37648 11 0			
57			For U.S. Government nonmilitary customers	37648 13 6			
58	For other customers		37648 15 1				
59	Guided Missile and Space Vehicle Parts and Auxiliary Equipment, N.E.C.	MISSILE AND SPACE VEHICLE COMPONENTS AND SUBASSEMBLIES, N.E.C. (37692)	For U.S. Government Military Customers	Airframes	37692 11 8		
60				Space capsules	37692 13 4		
61				All other	37692 19 1		
62		For U.S. Government nonmilitary customers	37692 25 8				
	(Continued on next page)		For other customers	37692 35 7			

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

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	Products shipped and other receipts		
						Value, f.o.b. plant (E)		
	581	(A)	(B)	584	Millions	Thou- sands	Dollars	
63	Guided Missile and Space Vehicle Parts and Auxiliary Equipment, N.E.C. - Continued	RESEARCH AND DEVELOPMENT ON MISSILE AND SPACE VEHICLE COMPONENTS, N.E.C. (37694)	For U.S. Government Military Customers	Airframes and space capsules	37694 14 8	\$		
64				All other	37694 19 7			
65			For U.S. Government nonmilitary customers		37694 25 4			
66			For other customers		37694 35 3			
67	AMMUNITION ORDNANCE AND ACCESSORIES, N.E.C.	Bombs, depth charges, mines, torpedoes, etc., and parts			34833 11 1			
68		Rockets (other than guided missiles) and parts			34833 31 9			
69		Artillery ammunition more than 30 mm, complete rounds, loaded			34831 11 5			
70		Ordnance and accessories, n.e.c., such as rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc., and their parts			34892 00 0			
71	TURBINES AND TURBINE GENERATOR SETS AND PARTS	Turbine generator sets (include turbines shipped separately on lines 73 and generators sold separately on line 75)			35110 05 5			
72		Parts and accessories (sold separately)			35110 09 7			
73		Gas turbines (except aircraft)			35110 75 8			
74		Parts and accessories for gas turbines (except aircraft) sold separately			35110 81 6			
75		Turbine generators			35110 91 5			
76		Parts and accessories for turbine generators (sold separately)			35110 95 6			
77	Receipts for machine shop job work				35995 00 0			
78	Other special industry machinery and equipment and parts (including incandescent lamp making, paint making, stone working, semiconductor manufacturing machinery, printed circuit board manufacturing machinery, pharmaceutical, etc.) - <i>Specify kind</i>				35598 00 2			
79	Communication systems and equipment (excluding broadcast; including space satellite borne and mobile telephone communications equipment) (corresponds to value of shipments reported on CIR Form MA36P, Communication Equipment, for 1997) (36631)*				36631 00 0			
80	Search and detection, navigation, and guidance equipment (corresponds to sum of item codes 4202-4382 as reported on CIR Form MA38B, Selected Instruments and Related Products, for 1997) (38122)*				38122 00 8			
81	Aeronautical, nautical, and navigational instruments, not sending or receiving radio signal (excluding aircraft engine instruments) (corresponds to sum of item codes 4420-4518 as reported on CIR Form MA38B, Selected Instruments and Related Products, for 1997) (38121)*				38121 00 0			
82	Self-propelled ships, U.S. military, new construction (37312)				37312 00 6			
83	Railroad equipment and parts - <i>Specify kind</i>				37430 00 6			
84	TANKS AND SELF-PROPELLED WEAPONS (37950)	Tanks and parts			37950 01 1			
85		Self-propelled weapons and parts			37950 51 6			
86		Other full tracked combat vehicles and parts (including armored utility vehicles)			37950 98 7			

CONTINUE WITH ITEM 18B ON PAGE 12

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued						
Line No.	Products and services (A)		Census product code 581 (B)	Products shipped and other receipts		
				Value, f.o.b. plant (E)		
				584 Millions	Thou- sands	Dollars
87	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. For all remaining products, write "Other" and report a single total value.</i>	18	\$		
88			26			
89			34			
90			42			
91			59			
92			67			
93			75			
94			83			
95			91			
96			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	
97	MISCELLANEOUS RECEIPTS	Sales of scrap and refuse	99980 13 8			
98		Receipts for research and development work not attributable to aircraft, aircraft engines; aircraft parts; missile systems, space vehicle systems; complete missile or space vehicle engines and/or propulsion units, and/or missile and space vehicle components	99980 41 9			
99		Other miscellaneous receipts	99980 98 9			
100	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			
101	TOTAL value of shipments and other receipts Sum of lines 1-100 column (E)		77000 00 8	\$		

CONTINUE WITH ITEM 19 ON PAGE 13

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

Census File Number

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		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	
		591	(B)	592			593	(E)
				Yes	No			
1	Ferrous foundries	1001	7	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Short tons		
2	NONFERROUS FOUNDRIES (Except die-casting)	1002	5	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Thousand pounds		
3		1003	3	1 <input type="checkbox"/>	2 <input type="checkbox"/>			
4		1004	1	1 <input type="checkbox"/>	2 <input type="checkbox"/>			
5		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"/>			

Item 20. SPECIAL INQUIRY ON AEROSPACE CONTRACTS

591 37028

What percentage of your aerospace contracts reported as value of shipments in item 18B is based on a variation of:

- a. Fixed price contract (using completed contract method)?
- b. Fixed price contract (using percentage of completion method)?
- c. Cost plus contract?
- d. Total (a+b+c)

Percentage (Report nearest whole percent)	
592	%
593	%
594	%
100%	

Item 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 (Print or type)		Telephone	Area code	Number	Extension	
667	1	2				
Name of company			Address (Number and street, city, State, ZIP Code)			
Period covered	FROM: Month	Day	Year	TO: Month	Day	Year
	666	1		2		
Signature of authorized person		Title			Date	