

Table 7. Ratio of Manufacturers' Unfilled Orders to Shipments by Major Industry Groups, by Month: 1982-1995—Con.

[Based on seasonally adjusted data]

Year	January	February	March	April	May	June	July	August	September	October	November	December
ALL MANUFACTURING INDUSTRIES, TOTAL—UNFILLED ORDERS/SHIPMENTS—Con.												
Durable Goods Industries, Total—Unfilled Orders/Shipments—Con.												
Electronic and Other Electrical Equipment, Total—Unfilled Orders/ Shipments												
1982 ---	3.20	3.12	3.13	3.13	3.15	3.12	3.08	3.17	3.20	3.33	3.35	3.39
1983 ---	3.31	3.30	3.28	3.29	3.25	3.19	3.40	3.38	3.28	3.37	3.30	3.31
1984 ---	3.23	3.36	3.32	3.37	3.33	3.35	3.38	3.32	3.40	3.32	3.30	3.07
1985 ---	3.28	3.29	3.27	3.26	3.19	3.18	3.15	3.12	3.25	3.11	3.04	3.21
1986 ---	3.20	3.18	3.20	3.14	3.14	3.18	3.13	3.15	3.12	3.08	3.10	3.04
1987 ---	3.07	3.01	2.98	2.99	3.03	2.97	2.97	3.00	2.99	3.01	2.98	3.02
1988 ---	3.01	3.01	3.01	3.05	3.00	2.97	2.99	2.94	2.91	2.98	2.97	2.93
1989 ---	2.80	2.86	2.80	2.71	2.68	2.74	2.78	2.67	2.74	2.75	2.74	2.77
1990 ---	2.76	2.68	2.71	2.73	2.67	2.73	2.71	2.74	2.76	2.70	2.69	2.79
1991 ---	2.71	2.80	2.79	2.76	2.68	2.62	2.65	2.59	2.55	2.54	2.47	2.52
1992 ---	2.48	2.47	2.44	2.38	2.39	2.43	2.29	2.40	2.35	2.32	2.38	2.33
1993 ---	2.45	2.34	2.28	2.27	2.23	2.18	2.23	2.23	2.23	2.31	2.24	2.22
1994 ---	2.18	2.15	2.15	2.12	2.11	2.06	2.00	1.94	1.96	1.91	1.87	1.92
1995 ---	1.90	1.94	1.96	2.01	2.00	1.93	2.06	1.96	1.93	2.03	1.95	1.89
Transportation Equipment, Total—Unfilled Orders/Shipments												
1982 ---	12.85	12.19	12.15	12.20	11.18	11.17	11.38	11.64	11.48	11.59	11.69	11.97
1983 ---	11.60	11.45	11.23	11.39	11.35	10.72	11.26	11.11	10.85	11.50	11.33	11.07
1984 ---	11.16	11.40	12.02	11.83	12.04	11.66	11.94	11.28	11.49	11.04	10.98	10.82
1985 ---	10.67	10.61	10.36	10.29	10.50	10.64	10.61	10.32	11.07	10.36	10.53	10.46
1986 ---	10.66	10.73	11.71	10.87	10.64	10.63	10.15	10.55	10.87	10.18	10.08	9.93
1987 ---	10.57	10.32	9.80	10.39	10.74	10.70	11.12	11.48	10.50	10.83	10.96	11.16
1988 ---	11.13	11.25	10.94	11.43	11.15	11.61	11.46	11.76	11.30	11.54	12.01	12.15
1989 ---	12.66	13.03	13.43	13.51	13.72	13.87	14.54	13.45	13.04	14.51	14.40	14.30
1990 ---	16.01	13.97	14.22	14.71	14.22	13.63	14.17	13.82	14.75	15.06	15.38	16.58
1991 ---	15.97	15.54	16.81	15.15	14.61	14.84	14.64	14.51	13.95	13.82	14.08	16.32
1992 ---	14.60	13.63	13.66	13.59	13.81	13.55	13.50	13.98	13.64	13.24	12.65	12.43
1993 ---	13.23	12.76	12.23	12.17	12.31	12.01	13.62	12.19	12.13	11.49	11.75	11.42
1994 ---	11.35	11.64	10.73	11.24	11.26	10.78	11.08	10.48	10.82	11.19	10.66	11.06
1995 ---	10.88	11.05	10.74	10.89	11.13	10.76	11.18	11.15	10.93	11.44	11.03	11.47
Instruments and Related Products, Total—Unfilled Orders/Shipments												
1982 ---	5.24	5.17	5.37	5.44	5.28	5.39	5.42	5.51	5.49	5.82	5.88	6.02
1983 ---	5.90	6.08	6.06	6.05	6.16	5.95	5.95	6.09	5.85	5.83	5.76	5.64
1984 ---	5.98	6.12	5.95	5.90	5.95	6.14	6.15	6.32	6.49	6.57	6.60	6.45
1985 ---	6.79	6.65	6.91	7.00	6.95	7.21	7.24	7.22	7.51	7.40	7.35	7.42
1986 ---	7.39	7.51	7.69	7.58	7.63	7.60	7.61	7.55	7.60	7.46	7.48	7.46
1987 ---	7.58	7.29	7.06	7.31	7.29	7.20	7.20	7.27	7.12	7.31	7.21	7.10
1988 ---	7.32	7.20	6.92	6.55	6.91	6.49	6.39	6.51	6.22	6.47	6.49	6.21
1989 ---	6.28	6.50	6.43	6.59	6.36	6.51	6.46	6.16	6.24	6.24	6.28	6.24
1990 ---	6.19	6.22	6.36	6.39	6.13	6.38	6.19	6.20	6.24	6.06	6.02	6.00
1991 ---	5.86	5.92	6.05	5.63	5.69	5.75	5.68	5.59	5.78	5.59	5.51	5.60
1992 ---	5.62	5.54	5.39	5.31	5.41	5.13	5.22	5.26	5.03	5.10	5.12	5.08
1993 ---	5.29	5.22	5.15	5.37	5.30	5.08	5.07	5.03	4.89	4.88	4.71	4.71
1994 ---	4.69	4.73	4.69	4.52	4.45	4.45	4.49	4.42	4.32	4.38	4.28	4.18
1995 ---	4.10	4.13	4.04	4.11	3.96	4.02	4.10	3.89	3.91	3.91	3.82	3.84
Nondurable Goods Industries, Total—Unfilled Orders/Shipments												
1982 ---	.68	.64	.63	.63	.62	.62	.60	.59	.60	.60	.61	.62
1983 ---	.62	.63	.65	.65	.66	.67	.68	.69	.72	.70	.70	.69
1984 ---	.70	.72	.69	.69	.69	.68	.66	.66	.65	.64	.65	.64
1985 ---	.65	.64	.62	.64	.63	.64	.66	.65	.65	.67	.65	.68
1986 ---	.67	.67	.68	.68	.69	.67	.68	.67	.67	.69	.70	.70
1987 ---	.72	.74	.76	.79	.78	.78	.79	.82	.82	.83	.83	.83
1988 ---	.81	.82	.80	.78	.78	.78	.79	.78	.78	.79	.79	.76
1989 ---	.77	.75	.77	.75	.75	.77	.76	.76	.76	.76	.75	.77
1990 ---	.74	.74	.74	.74	.74	.76	.74	.76	.77	.76	.75	.76
1991 ---	.75	.75	.76	.75	.77	.77	.77	.78	.80	.79	.79	.79
1992 ---	.79	.78	.78	.77	.76	.74	.74	.76	.75	.76	.77	.75
1993 ---	.76	.77	.75	.75	.75	.75	.73	.74	.72	.69	.70	.71
1994 ---	.72	.72	.74	.76	.75	.75	.75	.73	.74	.76	.75	.76
1995 ---	.75	.76	.75	.75	.74	.73	.75	.75	.69	.68	.69	.67

Note: The shipments data used in calculating the ratios exclude the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans and shipping containers; farm and garden equipment; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products, not elsewhere classified

Appendix A.
Sample of M3 Report Form

Form M-3(SD), Manufacturers' Shipments, Inventories, and Orders. A-2

RETURN THIS FORM WITHIN 15 DAYS AFTER RECEIPT

FORM **M-3(SD)** (6-8-92) U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS

NOTICE - This report is authorized by law (Title 13, United States Code). By section 9 of the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process. Although you are not required to respond to this statistical survey, your cooperation is needed to make the results comprehensive and accurate.

MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS
See instructions on reverse side

RETURN TO

Person to contact regarding this report

Census Bureau contact
Name _____
Area code _____ Number _____

Your company contact - Enter name and telephone number if not shown; correct if wrong.
Name _____
Area code _____ Number _____ Extension _____

Description of activities or division(s) to be reported and special instructions.

Please correct any errors in name, address, and ZIP Code.

Mark (X) the ONE box which best describes the reporting period. If other is checked, please describe in "Remarks."
 Cal. Mo. Other - Cal. Mo. Other - Cal. Mo. Other -
 4 week End. date 4 week End. date 4 week End. date
 5 week 5 week 5 week

CENSUS USE	WT	LR	MC	FP
	RP	LC	#F	AI

Line No.	Description of reporting items (Definition of terms are provided on the back of the form)	CENSUS USE ONLY	Reporting period - Report all figures in thousands of dollars.

CHANGE IN OPERATIONAL STATUS

Ceased operations
 Sold to another company - Enter name and date in "Remarks"
 Acquired another manufacturing operation - Enter name and date in "Remarks"

Remarks _____

CERTIFICATION This form is substantially accurate and has been prepared in accordance with the instructions.

Signature of authorized person _____

Title _____ Date _____

*Figures not received when form was prepared. PLEASE ENTER if not already submitted.

INSTRUCTIONS FOR COMPLETING THIS FORM

GENERAL INFORMATION

A summary of the instructions for completing this form is provided below. A comprehensive instruction manual is available. Copies of the instruction manual or clarification of instructions or definitions may be obtained by calling the contact on the front of the form or by writing to: **Bureau of the Census, ATTN: Industry Division, Washington, DC 20233-0001.**

- Purpose for this survey** - This form is designed to collect sales, inventories, and orders data from manufacturing companies for use in the preparation of industry estimates for 79 industry categories encompassing all manufacturing activities. These estimates are widely used as indicators of our Nation's current economic condition and of changes in the business cycle. They also provide important components for estimates of the gross domestic product (GDP) and related series.
- Activities to be reported** - A REPORTING UNIT is generally a division, subsidiary, or other operating unit as defined by your company for financial or managerial purposes. Reporting units within the same industry category, as defined in the Instruction Manual, may be combined for reporting purposes. Thus, a reporting unit could also be a complete company if the company operates predominantly in a single industry category. The Census Bureau may request that very large units with diverse activities be subdivided along industry lines for reporting purposes.

For the purposes of this survey, each reporting unit is to be reported as though a separate entity. Sales (or shipments) should include transfers to other segments of your company, as well as sales to unaffiliated customers. Orders, where applicable, should include orders from other segments of your firm. Finally, the reported figures should be limited to domestic operations (the 50 States and the District of Columbia). Please note that, while the activities of foreign subsidiaries should be excluded, export sales to and orders from foreign subsidiaries should be included.
- Survey deadlines** - The first report for this survey is based on receipts through approximately the 18th of the month following the reporting period. If possible, please return your report by this time. Otherwise, the figures for your company will be estimated for the early report with actual figures included in the final report only. If a portion of the requested items can be reported early, please call or write so that arrangements for reporting of those data items on a separate form can be made.
- Use of estimates** - If actual figures are not available, reasonable estimates may be used for reporting. Please indicate in the "Remarks" section if figures are estimates.
- Comparability with previous reports** - Please indicate in the "Remarks" section if there have been any changes in organization or accounting methods that affect comparability with previous reports.

REPORTING DEFINITIONS

- A. SALES** - Report net sales or shipments made during the reporting period for your domestic manufacturing operations. Include sales of products to other companies, individuals, U.S. Government agencies and foreign customers as well as sales and transfers to other divisions or subsidiaries of your company. Sales should be net, after discounts and allowances, exclusive of nonmanufacturing activities.
- B. NEW ORDERS** - Report net new orders received during the reporting period less cancellations. Include (1) the sales value of orders received and filled during the reporting period; (2) orders received for future deliveries; and (3) the net sales value of changes to existing contracts. Do not include orders requiring further negotiations, authorization, or funding before the order is final.
- C. ORDER BACKLOG** - Include orders, as defined above, that have not yet passed through the sales account.
- D. TOTAL INVENTORIES** - Report total inventories at current cost or market value as of the end of the reporting period. If your inventories are subject to LIFO valuation, report the value prior to the adjustment for the LIFO reserve. The reported figure should include all inventories in the 50 States and the District of Columbia to which you hold title.

The figure for total inventories should equal the sum of the data reported in the following three categories to the extent permitted by your records:

E. MATERIALS AND SUPPLIES INVENTORY - Report materials and supplies inventories at current cost or market value as of the end of the reporting period.

F. WORK-IN-PROCESS INVENTORY - Report work-in-process inventories at current cost or market value as of the end of the reporting period.

G. FINISHED GOODS INVENTORY - Report finished goods inventories at current cost or market value as of the end of the reporting period.

Appendix B.

Composition of Industry Categories in Terms of 1987 Standard Industrial Classification System

M3/SIC code	M3 category title with comparable four-digit SIC titles	M3/SIC code	M3 category title with comparable four-digit SIC titles
	FOOD AND KINDRED PRODUCTS		TOBACCO PRODUCTS
20A	Meat products	21A	Cigarettes, cigars, chewing and smoking tobacco, and snuff
2011	Meat packing plants		Cigarettes
2013	Sausages and other prepared meats	2111	Cigars
2015	Poultry slaughtering and processing	2121	Chewing and smoking tobacco
		2131	Tobacco stemming and redrying
		2141	
20B	Dairy products		TEXTILE MILL PRODUCTS
2021	Creamery butter		Broadwoven fabrics and textiles, except those from knitting and floor covering mills
2022	Cheese, natural and processed		Broadwoven fabric mills, cotton
2023	Dry, condensed, evaporated products		Broadwoven fabric mills, manmade
2024	Ice cream and frozen desserts		Broadwoven fabric mills, wool
2026	Fluid milk	22A	Narrow fabric mills
			Finishing plants, cotton
20C	Fats and oils		Finishing plants, manmade
2074	Cottonseed oil mills	2211	Finishing plants, n.e.c.
2075	Soybean oil mills	2221	Yarn spinning mills
2076	Vegetable oil mills, n.e.c.	2231	Throwing and winding mills
2077	Animal and marine fats and oils	2241	Thread mills
2079	Edible fats and oils, n.e.c.	2261	Coated fabrics, not rubberized
		2262	Tire cord and fabrics
		2269	Nonwoven fabrics
20D	Beverages	2281	Cordage and twine
2082	Malt beverages	2282	Textile goods, n.e.c.
2083	Malt	2284	
2084	Wines, brandy, and brandy spirits	2295	Knitting mill products
2085	Distilled and blended liquors	2296	Women's hosiery, except socks
2086	Bottled and canned soft drinks	2297	Hosiery, n.e.c.
2087	Flavoring extracts and syrups, n.e.c.	2298	Knit outerwear mills
		2299	Knit underwear mills
20E	Food and kindred products, except meat and dairy products, beverages, fats, and oils		Weft knit fabric mills
2032	Canned specialties	22B	Lace and warp knit fabric mills
2033	Canned fruits and vegetables	2251	Knitting mills, n.e.c.
2034	Dehydrated fruits, vegetables, and soups	2252	
2035	Pickles, sauces, and salad dressings	2253	Carpets and rugs
2037	Frozen fruits and vegetables	2254	Carpets and rug
2038	Frozen specialties, n.e.c.	2257	
2041	Flour and other grain mill products	2258	APPAREL AND OTHER FINISHED TEXTILE PRODUCTS
2043	Cereal breakfast foods	2259	Apparel and other finished textile products
2044	Rice milling	22C	Men's and boys' suits and coats
2045	Prepared flour mixes and doughs	2273	Men's and boys' shirts
2046	Wet corn milling		Men's and boys' underwear and nightwear
2047	Dog and cat food	23A	Men's and boys' neckwear
2048	Prepared feeds, n.e.c.	2311	Men's and boys' trousers and slacks
2051	Bread, cake, and related products	2321	Men's and boys' work clothing
2052	Cookies and crackers	2322	Men's and boys' clothing, n.e.c.
2053	Frozen bakery products, except bread	2323	Women's and misses' blouses and shirts
2061	Raw cane sugar	2325	Women's, juniors' and misses' dresses
2062	Cane sugar refining	2326	Women's and misses' suits and coats
2063	Beet sugar	2329	Women's and misses' outerwear, n.e.c.
2064	Candy and other confectionery products	2331	Women's and children's underwear
2066	Chocolate and cocoa products	2335	Bras, girdles, and allied garments
2067	Chewing gum	2337	Hats, caps, and millinery
2068	Salted and roasted nuts and seeds	2339	Girls' and children's dresses and blouses
2091	Canned and cured fish and seafoods	2341	Girls' and children's outerwear, n.e.c.
2092	Fresh or frozen prepared fish	2342	
2095	Roasted coffee	2353	
2096	Potato chips and similar snacks	2361	
2097	Potato chips and similar snacks	2369	
2098	Manufactured ice		
2098	Macaroni and spaghetti		
2099	Food preparations, n.e.c.		

M3/SIC code	M3 category title with comparable four-digit SIC titles	M3/SIC code	M3 category title with comparable four-digit SIC titles
	APPAREL AND OTHER FINISHED TEXTILE PRODUCTS—Con.		PAPER AND ALLIED PRODUCTS—Con.
23A	Apparel and other finished textile products—Con.	26B	Paperboard containers and boxes
2371	Fur goods	2652	Setup paperboard boxes
2381	Fabric dress and work gloves	2653	Corrugated and solid fiber boxes
2384	Robes and dressing gowns	2655	Fiber cans, drums and similar products
2385	Waterproof outerwear	2656	Sanitary food containers
2386	Leather and sheep-lined clothing	2657	Folding paperboard boxes
2387	Apparel belts	26C	Miscellaneous converted paper products
2389	Apparel and accessories, n.e.c.	2671	Paper coated and laminated, packaging
2391	Curtains and draperies	2672	Paper coated and laminated, n.e.c.
2392	Housefurnishings, n.e.c.	2673	Bags: plastics, laminated, and coated
2393	Textile bags	2674	Bags: uncoated paper and multiwall
2394	Canvas and related products	2675	Die-cut paper and board
2395	Pleating and stitching	2676	Sanitary paper products
2396	Automotive and apparel trimmings	2677	Envelopes
2397	Schiffli machine embroideries	2678	Stationery products
2399	Fabricated textile products, n.e.c.	2679	Converted paper products, n.e.c.
	LUMBER AND WOOD PRODUCTS		PRINTING, PUBLISHING, AND ALLIED INDUSTRIES
24A	Wood containers, pallets and skids	27A	Newspapers, periodicals and books
2441	Nailed wood boxes and shook	2711	Newspapers
2448	Wood pallets and skids	2721	Periodicals
2449	Wood containers, n.e.c.	2731	Book publishing
24B	Wood buildings and mobile homes	2732	Book printing
2451	Mobile homes	27B	Publishing and printing products, except newspapers, periodicals and books
2452	Prefabricated wood buildings		Miscellaneous publishing
24C	Wood products, except containers, buildings, and mobile homes	2741	Commercial printing, lithographic
2411	Logging	2752	Commercial printing, gravure
2421	Sawmills and planning mills, general	2754	Commercial printing, n.e.c.
2426	Hardwood dimension and flooring mills	2759	Manifold business forms
2429	Special product sawmills, n.e.c.	2761	Greeting cards
2431	Millwork	2771	Blankbooks and looseleaf binders
2434	Wood kitchen cabinets	2782	Bookbinding and related work
2435	Hardwood veneer and plywood	2789	Typesetting
2436	Softwood veneer and plywood	2791	Platemaking services
2439	Structural wood members, n.e.c.	2796	
2491	Wood preserving		CHEMICALS AND ALLIED PRODUCTS
2493	Reconstituted wood products		Chemical products, except paints, drugs, soaps, toiletries, and agricultural chemicals
2499	Wood products, n.e.c.	28A	Alkalies and chlorine
	FURNITURE AND FIXTURES	2812	Industrial gases
25A	Household furniture	2813	Industrial inorganic chemicals, n.e.c.
2511	Wood household furniture	2819	Plastics materials and resins
2512	Upholstered household furniture	2821	Synthetic rubber
2514	Metal household furniture	2822	Cellulosic manmade fibers
2515	Mattresses and bedsprings	2823	Organic fibers, noncellulosic
2517	Wood TV and radio cabinets	2824	Gum and wood chemicals
2519	Household furniture, n.e.c.	2861	Cyclic crudes and intermediates
25B	Furniture, except household	2865	Industrial organic chemicals, n.e.c.
2521	Wood office furniture	2869	Adhesives and sealants
2522	Office furniture, except wood	2891	Explosives
2531	Public building and related furniture	2892	Printing ink
2541	Wood partitions and fixtures	2893	Carbon black
2542	Partitions and fixtures, except wood	2895	Chemical preparations, n.e.c.
2591	Drapery hardware and blinds and shades	2899	
2599	Furniture and fixtures, n.e.c.	28B	Paints and related products
	PAPER AND ALLIED PRODUCTS	2816	Inorganic pigments
26A	Pulp, paper, and paperboard mill products	2851	Paints and allied products
2611	Pulp mills	28C	Drugs, soaps, and toiletries
2621	Paper mills	2833	Medicinals and botanicals
2631	Paperboard mills	2834	Pharmaceutical preparations
		2835	Diagnostic substances
		2836	Biological products, except diagnostic
		2841	Soap and other detergents

M3/SIC code	M3 category title with comparable four-digit SIC titles	M3/SIC code	M3 category title with comparable four-digit SIC titles
	CHEMICALS AND ALLIED PRODUCTS—Con.		STONE, CLAY, AND GLASS PRODUCTS—Con.
28C	Drugs, soaps, and toiletries—Con.	32C	Stone, clay, and glass products, except glass containers, kitchen articles, and pottery
2842	Polishes and sanitation goods		Flat glass
2843	Surface active agents	3211	Pressed and blown glass, n.e.c.
2844	Toilet preparations	3229	Products of purchased glass
28D	Agricultural chemicals	3231	Cement, hydraulic
2873	Nitrogenous fertilizers	3241	Brick and structural clay tile
2874	Phosphatic fertilizers	3251	Ceramic wall and floor tile
2875	Fertilizers, mixing only	3253	Clay refactories
2879	Agricultural chemicals, n.e.c.	3255	Structural clay products, n.e.c.
	PETROLEUM REFINING AND RELATED INDUSTRIES	3259	Vitreous plumbing fixtures
		3261	Porcelain electrical supplies
29A	Asphalt paving and roofing materials	3264	Concrete block and brick
2951	Asphalt paving mixtures and blocks	3271	Concrete products, n.e.c.
2952	Asphalt felts and coatings	3272	Ready-mixed concrete
29B	Petroleum refining, except paving and roofing materials	3273	Lime
2911	Petroleum refining	3274	Gypsum products
2992	Lubricating oils and greases	3275	Cut stone and stone products
2999	Petroleum and coal products, n.e.c.	3281	Abrasive products
	RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	3291	Asbestos products
		3292	Minerals, ground or treated
30A	Tires and tubes	3295	Mineral wool
3011	Tires and inner tube	3296	Nonclay refactories
30B	Rubber and plastics footwear, hose, belting, gaskets and other rubber products, n.e.c.	3297	Nonmetallic mineral products, n.e.c.
3021	Rubber and plastics footwear	3299	
3052	Rubber and plastics hose and belting		PRIMARY METALS INDUSTRIES
3053	Gaskets, packing and sealing devices	33A	Blast furnaces and steel mill products
3061	Mechanical rubber goods	3312	Blast furnaces and steel mills
3069	Fabricated rubber products, n.e.c.	3313	Electrometallurgical products
30C	Miscellaneous plastics products, n.e.c.	3315	Steel wire and related products
3081	Unsupported plastics film and sheet	3316	Cold finishing of steel shapes
3082	Unsupported plastics profile shapes	3317	Steel pipe and tubes
3083	Laminated plastics plate and sheet	33B	Iron and steel foundry products
3084	Plastics pipe	3321	Gray and ductile iron foundries
3085	Plastics bottles	3322	Malleable iron foundries
3086	Plastics foam products	3324	Steel investment foundries
3087	Custom compound purchased resins	3325	Steel foundries, n.e.c.
3088	Plastics plumbing fixtures	33C	Nonferrous metal products, primary and secondary
3089	Plastics products, n.e.c.	3331	Primary copper
	LEATHER AND LEATHER PRODUCTS	3334	Primary aluminum
31A	Leather tanning and finishing, and footwear cut stock	3339	Primary nonferrous metals, n.e.c.
3111	Leather tanning and finishing	3341	Secondary nonferrous metals
3131	Footwear cut stock	3351	Copper rolling and drawing
31B	Leather products, except tanning, finishing, and footwear cut stock	3353	Aluminum sheet, plate, and foil
3142	House slippers	3354	Aluminum extruded products
3143	Men's footwear, except athletic	3355	Aluminum rolling and drawing, n.e.c.
3144	Women's footwear, except athletic	3356	Nonferrous rolling and drawing, n.e.c.
3149	Footwear, except rubber, n.e.c.	3357	Nonferrous wiredrawing and insulating
3151	Leather gloves and mittens	3363	Aluminum die-castings
3161	Luggage	3364	Nonferrous die-castings except aluminum
3171	Women's handbags and purses	3365	Aluminum foundries
3172	Personal leather goods, n.e.c.	3366	Copper foundries
3199	Leather goods, n.e.c.	3369	Nonferrous foundries, n.e.c.
	STONE, CLAY, AND GLASS PRODUCTS	3398	Metal heat treating
32A	Glass containers	3399	Primary metal products, n.e.c.
3221	Glass container	34A	FABRICATED METAL PRODUCTS
32B	Kitchen articles and pottery	3411	Metal cans and shipping containers
3262	Vitreous china table and kitchenware	3412	Metal cans
3263	Semivitreous table and kitchenware	34B	Metal barrels, drums, and pails
3269	Pottery products, n.e.c.	3421	Cutlery and handtools
		3423	Cutlery
		3425	Hand and edge tools, n.e.c.
			Saw blades and handsaws

M3/SIC code	M3 category title with comparable four-digit SIC titles	M3/SIC code	M3 category title with comparable four-digit SIC titles
	FABRICATED METAL PRODUCTS—Con.		INDUSTRIAL MACHINERY AND EQUIPMENT—Con.
34C	Building materials and wire products	35E	Metalworking Machinery
3429	Hardware, n.e.c.	3541	Machine tools, metal cutting types
3431	Metal sanitary ware	3542	Machine tools, metal forming types
3432	Plumbing fixture fittings and trim	3543	Industrial patterns
3433	Heating equipment, except electric	3544	Special dies, tools, jigs and fixtures
3441	Fabricated structural metal	3545	Machine tool accessories
3442	Metal doors, sash, and trim	3546	Power-driven handtools
3443	Fabricated plate work (boiler shops)	3547	Rolling mill machinery
3444	Sheet metal work	3548	Welding apparatus
3446	Architectural metal work	3549	Metalworking machinery, n.e.c.
3448	Prefabricated metal buildings	35F	Special industry machinery
3449	Miscellaneous metal work	3552	Textile machinery
3495	Wire springs	3553	Woodworking machinery
3496	Miscellaneous fabricated wire product	3554	Paper industries machinery
34D	Ordnance and accessories, except for the Department of Defense	3555	Printing trades machinery
3482	Small arms ammunition	3556	Food products machinery
3483	Ammunition, except for small arms, n.e.c.	3559	Special industry machinery, n.e.c.
3484	Small arms	35G	General industrial machinery
3489	Ordnance and accessories, n.e.c.	3561	Pumps and pumping equipment
34E	Ordnance and accessories for the Department of Defense, except tanks and missiles	3562	Ball and roller bearings
3482	Small arms ammunition	3563	Air and gas compressors
3483	Ammunition, except for small arms, n.e.c.	3564	Blowers and fans
3484	Small arms	3565	Packaging machinery
3489	Ordnance and accessories, n.e.c.	3566	Speed changers, drives, and gears
34F	Miscellaneous fabricated metal products, except containers, cutlery, building materials, ordnance and ammunition	3567	Industrial furnaces and ovens
3451	Screw machine products	3568	Power transmission equipment, n.e.c.
3452	Bolts, nuts, rivets, and washers	3569	General industrial machinery, n.e.c.
3462	Iron and steel forgings	35H	Computer and office equipment
3463	Nonferrous forgings	3571	Electronic computers
3465	Automotive stampings	3572	Computer storage devices
3466	Crowns and closures	3575	Computer terminals
3469	Metal stampings, n.e.c.	3577	Computer peripheral equipment, n.e.c.
3471	Plating and polishing	3578	Calculating and accounting equipment
3479	Metal coating and allied services	3579	Office machines, n.e.c.
3491	Industrial valves	35I	Refrigeration, heating and service industry machinery
3492	Fluid power valves and hose fittings	3581	Automatic vending machines
3493	Steel springs, except wire	3582	Commercial laundry equipment
3494	Valves and pipe fittings, n.e.c.	3585	Refrigeration and heating equipment
3497	Metal foil and leaf	3586	Measuring and dispensing pumps
3498	Fabricated pipe and fittings	3589	Service industry machinery, n.e.c.
3499	Fabricated metal products, n.e.c.	35J	Industrial machinery, n.e.c.
	INDUSTRIAL MACHINERY AND EQUIPMENT	3592	Carburetors, pistons, rings, valves
35A	Steam engines and turbines (including nuclear)	3593	Fluid power cylinders and actuators
3511	Turbines and turbine generator set	3594	Fluid power pumps and motors
35B	Internal combustion engines including diesel, except automotive and aircraft	3596	Scales and balances, except laboratory
3519	Internal combustion engines, including diesel, except automotive and aircraft	3599	Industrial machinery, n.e.c.
35C	Farm and garden machinery	36A	ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT
3523	Farm machinery and equipment	3612	Electrical transmission and distribution equipment
3524	Lawn and garden equipment	3613	Transformers, except electronic
35D	Construction, mining and material handling equipment	36B	Switchgear and switchboard apparatus
3531	Construction machinery	3621	Electrical industrial apparatus
3532	Mining machinery	3624	Motors and generators
3533	Oil and gas field machinery	3625	Carbon and graphite products
3534	Elevators and moving stairways	3629	Relays and industrial controls
3535	Conveyors and conveying equipment	36C	Electrical industrial apparatus, n.e.c.
3536	Hoists, cranes, and monorails	3631	Household appliances
3537	Industrial trucks and tractors	3632	Household cooking equipment
		3633	Household refrigerators and freezers
		3634	Household laundry equipment
		3635	Electric housewares and fans
		3639	Household vacuum cleaners
			Household appliances, n.e.c.

M3/SIC code	M3 category title with comparable four-digit SIC titles	M3/SIC code	M3 category title with comparable four-digit SIC titles
	ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT—Con.		TRANSPORTATION EQUIPMENT—Con.
36D	Electric lighting and wiring equipment	37F	Aircraft, missiles, and space vehicle engines and parts for the Department of Defense
3641	Electric lamps	3724	Aircraft engines and engine parts
3643	Current-carrying wiring devices	3728	Aircraft parts and equipment, n.e.c.
3644	Noncurrent-carrying wiring devices	3764	Missile and space vehicle propulsion units and parts
3645	Residential lighting fixtures	3769	Missile and space vehicle equipment, n.e.c.
3646	Commercial lighting fixtures	37G	Ships and tank components, except for the Department of Defense
3647	Vehicular lighting equipment	3731	Ship building and repairing
3648	Lighting equipment, n.e.c.	3795	Tanks and tank components
36E	Household audio and video equipment	37H	Ships, tanks, and tank components for the Department of Defense
3651	Household audio and video equipment	3731	Ship building and repairing
3652	Prerecorded records and tapes	3795	Tanks and tank components
36F	Communications equipment, except for the Department of Defense	37I	Railroad equipment
3661	Telephone and telegraph apparatus	3743	Railroad equipment
3663	Radio and TV communications equipment	37J	Boats, motorcycles, bicycles, travel trailers, and campers
3669	Communications equipment, n.e.c.	3732	Boat building and repairing
36G	Communications equipment for the Department of Defense	3751	Motorcycles, bicycles, and parts
3661	Telephone and telegraph apparatus	3792	Travel trailers and campers
3663	Radio and TV communications equipment	3799	Transportation equipment, n.e.c.
3669	Communications equipment, n.e.c.		
36H	Electronic components and accessories	38A	INSTRUMENTS AND RELATED PRODUCTS
3671	Electron tubes		Search and navigation equipment, except for the Department of Defense
3672	Printed circuit boards	3812	Search and navigation equipment
3674	Semiconductors and related devices	38B	Search and navigation equipment for the Department of Defense
3675	Electronic capacitors	3812	Search and navigation equipment
3676	Electronic resistors	38C	Measuring and controlling devices
3677	Electronic coils and transformers	3821	Laboratory apparatus and furniture
3678	Electronic connectors	3822	Environmental controls
3679	Electronic components, n.e.c.	3823	Process control instruments
36I	Miscellaneous electrical equipment and supplies	3824	Fluid meters and counting devices
3691	Storage batteries	3825	Instruments to measure electricity
3692	Primary batteries, dry and wet	3826	Analytical instruments
3694	Engine electrical equipment	3827	Optical instruments and lenses
3695	Magnetic and optical recording media	3829	Measuring and controlling devices, n.e.c.
3699	Electrical equipment and supplies, n.e.c.		
	TRANSPORTATION EQUIPMENT	38D	Medical instruments and supplies
37A	Motor vehicle parts, accessories and bodies, except car bodies	3841	Surgical and medical instruments
3713	Truck and bus bodies	3842	Surgical appliances and supplies
3714	Motor vehicle parts and accessories	3843	Dental equipment and supplies
3715	Truck trailers	3844	X-ray apparatus and tubes
3716	Motor homes	3845	Electromedical equipment
37B	Motor vehicles and car bodies	38E	Ophthalmic goods, watches, and clocks
3711	Motor vehicles and car bodies	3851	Ophthalmic goods
37C	Complete aircraft, missiles, and space vehicles, except for the Department of Defense	3873	Watches, clocks, watchcases and parts
3721	Aircraft	38F	Photographic goods
3761	Guided missiles and space vehicles	3861	Photographic equipment and supplies
37D	Complete aircraft, missiles, and space vehicles for the Department of Defense	39A	MISCELLANEOUS MANUFACTURING INDUSTRIES
3721	Aircraft		Miscellaneous personal goods, such as jewelry, silverware, toys and games, sporting goods, musical instruments, and burial caskets
3761	Guided missiles and space vehicles	3911	Jewelry, precious metal
37E	Aircraft, missiles, and space vehicle engines and parts, except for the Department of Defense	3914	Silverware and plated ware
3724	Aircraft engines and engine parts	3915	Jewelers' materials and lapidary work
3728	Aircraft parts and equipment, n.e.c.	3931	Musical instruments
3764	Missile and space vehicle propulsion units and parts	3942	Dolls and stuffed toys
3769	Missile and space vehicle equipment, n.e.c.	3944	Games, toys, and children's vehicles
		3949	Sporting and athletic goods, n.e.c.
		3961	Costume jewelry
		3995	Burial caskets

M3/SIC code	M3 category title with comparable four-digit SIC titles	M3/SIC code	M3 category title with comparable four-digit SIC titles
39B	MISCELLANEOUS MANUFACTURING INDUSTRIES—Con. Miscellaneous manufactures, except personal goods	39B	MISCELLANEOUS MANUFACTURING INDUSTRIES—Con. Miscellaneous manufactures, except personal goods—Con.
3951	Pens and mechanical pencils	3991	Brooms and brushes
3952	Lead pencils and art goods	3993	Signs and advertising specialties
3953	Marking devices	3996	Hard surface floor coverings, n.e.c.
3955	Carbon paper and inked ribbons	3999	Manufacturing industries, n.e.c.
3965	Fasteners, buttons, needles, and pins		

N.e.c. Not elsewhere classified.