

**17** 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.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

**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 **16**, 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 **16**, line A2, not in **17**. The value of these products shipped by this establishment should be reported in **2** under Census product code 999890 0000, "Resales."

Line No.	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		
<b>1</b>	Fluid power products, hydraulic and pneumatic (including pumps, valves, cylinders and rotary actuators, hose and tube fittings, and filters) . . . . .	330000 67			
<b>2</b>	Fabricated metal products (excluding forgings)				
	Bolts, nuts, screws, rivets, washers, and screw machine products . . . . .	332722 03			
<b>3</b>	Automotive stampings (including body parts, hubcaps, fenders, etc.) . . . . .	336370 00			
<b>4</b>	Other fabricated metal products . . . . .	332000 20			
<b>5</b>	Forgings . . . . .	332110 00			
<b>6</b>	Castings (rough and semifinished)				
	Iron and steel . . . . .	331510 01			
<b>7</b>	Aluminum and aluminum-base alloy . . . . .	331520 05			

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**17** 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, including delivery cost (freight-in)		
			\$ Bil.	Mil.	Thou.
0634		0630	0631		
<b>8</b>	Shapes and forms (excluding castings, forgings, and fabricated metal products) Steel Bars, bar shapes, and plate . . . . .	331200 07			
<b>9</b>	All other steel shapes and forms . . . . .	331000 00			
<b>10</b>	All other nonferrous metal shapes and forms . . . . .	331000 03			
<b>11</b>	Plastics products (including film, sheet, rod, tube, and fabricated shapes) . . . . .	326100 03			
<b>12</b>	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. . . . .	325211 05			
<b>13</b>	Fabricated rubber products (excluding tires, gaskets, hose and belting) . . . . .	326200 05			
<b>14</b>	Chemicals and allied products . . . . .	325000 48			
<b>15</b>	Components for electronic circuitry (excluding tubes) Printed circuit boards . . . . .	334412 00			
<b>16</b>	Semiconductors (including transistors, diodes, rectifiers, and integrated circuits) . . . . .	334413 00			
<b>17</b>	All other miscellaneous components and accessories for electronic circuitry . . . . .	334419 01			
<b>18</b>	Core parts purchased for use in remanufacturing or rebuilding ( <i>Specify kind.</i> ) ↴  	009998 26			
<b>19</b>	Engine electrical equipment (including spark plugs, generators, starting motors, distributors, ignition coils, ignition harness, and cable sets, switches, etc.) . . . . .	336322 00			
<b>20</b>	Other engine equipment (including turbochargers, injection fuel pumps, machined engine blocks, etc.) . . . . .	333618 19			
<b>21</b>	Cost of all other materials and components, parts, containers, and supplies consumed ( <i>Specify the principal materials, etc., included in this value.</i> ) ↴  	009700 99			
<b>22</b>	<b>TOTAL</b> ( <i>Should equal total reported in 16, line A1</i> ) . . . . .	771000 00			

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18-21 Not Applicable.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

**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 22. 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 930000 0000.

**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 999890 0000, "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 forms, the sum of the detailed CIR products should equal the total reported on this census form.

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Total shipments, including interplant transfers		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
1	Motor vehicle electrical and electronic equipment, other Ignition harness and cable sets Ignition harness sets  Automotive type . . . . .	336322 1101			
2	Other (including tractor, stationary engine, and aircraft)(Specify kind.) ↘  	336322 1104			
3	Cable sets  Automotive type . . . . .	336322 1201			
4	Aircraft and other types (Specify kind.) ↘  	336322 1204			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Total shipments, including interplant transfers		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Motor vehicle electrical and electronic equipment, other - Continued				
	Battery charging alternators, generators, and regulators				
	Battery charging alternators and generators for internal combustion engines				
5	Automotive types, new . . . . .	336322 3101			
6	Rebuilt, all types . . . . .	336322 3201			
	Other types, new (Specify kind.) ↴				
7		336322 3104			
8	Regulators for battery charging alternators and generators (new and rebuilt) . . . . .	336322 3204			
	Starting (engine cranking) motors				
9	New starting (engine cranking) motors (including automotive) . . . .	336322 5103			
10	Rebuilt, all types . . . . .	336322 5201			
11	Spark plugs, all types . . . . .	336322 7100			
	Other complete electrical and electronic equipment for internal combustion engines				
12	Ignition coils, all types . . . . .	336322 9101			
13	Distributors, all types . . . . .	336322 9301			
	All other complete electrical and electronic equipment for internal combustion engines (including complete ignition equipment, magnetos, magneto-dynamos, and magnetic flywheels) (Specify kind.) ↴				
14		336322 9306			
15	Electronic systems for complete engine control, using computers or microcomputers . . . . .	336322 9201			
	Parts for engine electrical and/or electronic equipment				
16	Armatures, field coils, and drive-end housings for cranking motors . .	336322 A101			
17	Armatures and field coils for alternators and generators . . . . .	336322 A204			
18	Custom repair shop rewinding of armatures or repairing electric motors . . . . .	976941 0000			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Total shipments, including interplant transfers		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Motor vehicle electrical and electronic equipment, other - Continued Parts for engine electrical and/or electronic equipment - Continued				
19	Ignition distributor heads and rotors . . . . .	336322 A307			
20	Other parts for engine electrical and/or electronic equipment (including ignition distributor breaker point sets and condensers-capacitors) (Specify kind.) ↴  	336322 A701			
21	Other electrical and electronic equipment (excluding engine) Windshield washer-wiper mechanisms (including washer pumps) . . . . .	336322 D111			
22	Heaters and other heater parts, new (including vehicle block and battery heaters) . . . . .	336322 D116			
23	Permanent defrosters, new . . . . .	336322 D104			
24	Cruise control units . . . . .	336322 D102			
25	Instrument board assemblies . . . . .	336322 D121			
26	Wiring harness sets (excluding ignition) . . . . .	336322 D107			
27	Electronic control modular chips . . . . .	336322 D119			
28	Other new electrical equipment (including cruise control and windshield washer-wiper units; excluding engine electrical equipment) (Specify kind.) ↴  	336322 D122			
29	Other rebuilt electrical equipment (including cruise control and windshield washer-wiper units; excluding engine electrical equipment) (Specify kind.) ↴  	336322 D128			
30	Parts and supplies for electric motors and generators and other rotating equipment . . . . .	335312 C100			
31	Switches for electrical circuitry (including vehicular switches) (Corresponds to value of shipments on CIR MA335K, Wiring Devices and Supplies, 2007)* . . . . .	335931 5100			
32	Motor vehicle instruments (excluding ammeters) (Specify kind.) ↴  	334514 5110			
33	Ammeters . . . . .	334514 5115			
34	Search, detection, navigation, and guidance systems and equipment (Corresponds to value of shipments on CIR MA334D, Defense, Navigational, and Aerospace Electronics, 2007)* . . . . .	334511 3100			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Total shipments, including interplant transfers		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
	0734	0730	0731		
35	Automotive audio equipment (excluding speakers) (Corresponds to value of shipments on CIR MA334M, Consumer Electronics, 2007)* . . . . .	334310 1100			
36	Gasoline engine radiators, complete, new, for motor vehicles . . . . .	336399 8401			
37	Gasoline engine radiator shells and cores, new, for motor vehicles . . . . .	336399 8405			
38	Gasoline engines and gasoline engine parts for motor vehicles, new . . . . .	336312 1600			
39	Diesel, semidiesel, and dual-fuel engines for automobiles, highway trucks, and buses . . . . .	333618 5100			
40	Parts and accessories for internal combustion engines (excluding aircraft and gas automotive engines and turbines) . . . . .	333618 F500			
41	Stationary engine radiators for internal combustion engines (excluding aircraft and gasoline automotive engines and gas turbines) . . . . .	336399 8409			
	Drive train components, new				
42	Car and light truck transmissions (excluding auxiliary and parts), new . . . . .	336350 1102			
43	Heavy truck and bus transmissions (excluding auxiliary and parts), new . . . . .	336350 1201			
44	Parts for manual and automatic transmissions, new . . . . .	336350 1301			
45	Axles and axle parts, new . . . . .	336350 1401			
	Other motor vehicle drive train components (excluding wheels and brakes), new (Specify kind.) ↴				
46		336350 1501			
	Motor vehicle wheels, new				
47	Car and light truck type . . . . .	336399 5109			
48	Heavy truck and bus type (including those for truck trailers and trailer coaches) . . . . .	336399 5111			
49	Trailer hitches (including those for travel trailers, automobile trailers, and light duty truck trailers) . . . . .	336399 6100			
	Motor vehicle brake parts and assemblies, new				
50	Drum Types . . . . .	336340 1801			
51	Disc Types . . . . .	336340 1901			
	Other types (Specify kind.) ↴				
52		336340 1A01			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Total shipments, including interplant transfers		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	Motor vehicle steering and suspension				
53	Shock absorbers . . . . .	336330 0101			
54	Tie rod ends . . . . .	336330 0201			
55	Steering idler arms, drag links, and control arms . . . . .	336330 0301			
56	Steering wheels, columns, and gearboxes . . . . .	336330 0401			
	Other motor vehicle steering and suspension components (including motor vehicle ball joints) <i>(Specify kind.)</i> ↴				
57		336330 0501			
	Filters for internal combustion engines, new				
	Oil				
58	Light-duty (car and light truck) . . . . .	336399 1101			
59	Heavy-duty . . . . .	336399 1104			
	Fuel				
60	Light-duty (car and light truck) . . . . .	336399 1107			
61	Heavy-duty . . . . .	336399 1111			
	Air				
62	Light-duty (car and light truck) . . . . .	336399 1113			
63	Heavy-duty . . . . .	336399 1116			
	Other (including coolant and hydraulic) <i>(Specify kind.)</i> ↴				
64		336399 1119			
65	Exhaust system parts, new (including mufflers, resonators, pipes, and catalytic converters) . . . . .	336399 3100			
	All other motor vehicle parts and accessories, new <i>(Report other remanufactured parts and accessories on lines 6, 8, 10, 20, 82, 83, 84, 85, 86, 87)</i>				
	Motor vehicle bumper assemblies, bumpers, and parts				
66	For cars and light trucks with GVWR of 10,000 lb and less (classes 1 and 2) . . . . .	336399 8103			
67	For heavy trucks with GVWR greater than 10,000 lb . . . . .	336399 8105			
68	Motor vehicle frames . . . . .	336399 8204			
69	Motor vehicle fuel tanks . . . . .	336399 8307			
70	Motor vehicle air conditioning hose assemblies . . . . .	336399 8514			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Total shipments, including interplant transfers		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
	All other motor vehicle parts and accessories, new (Report other remanufactured parts and accessories on lines 6, 8, 10, 20, 82, 83, 84, 85, 86, 87) - Continued				
71	Motor vehicle windshield wiper blades . . . . .	336399 8524			
72	Motor vehicle convertible tops . . . . .	336399 8527			
73	Motor vehicle sunroofs and parts . . . . .	336399 8531			
74	Motor vehicle doors . . . . .	336399 8532			
75	Motor vehicle heater cores . . . . .	336399 8537			
76	Truck and trailer liftgates . . . . .	336399 8525			
77	Dump truck lifting mechanisms . . . . .	336211 5115			
78	Fifth wheels . . . . .	336211 5133			
79	Motor vehicle air bag assemblies and parts . . . . .	336399 8534			
80	Luggage and utility racks . . . . .	336399 8541			
	All other motor vehicle parts (Specify kind.) ↴				
81		336399 8550			
82	Gasoline engines and engine parts for motor vehicles, rebuilt (excluding rebuilt heavy truck and bus gasoline engines) . . . . .	336312 3103			
83	Heavy truck and bus gasoline engines, rebuilt . . . . .	336312 3111			
84	Carburetors and parts, new and rebuilt (all types) . . . . .	336311 1300			
85	Motor vehicle brake systems and parts, rebuilt . . . . .	336340 3100			
86	Motor vehicle drive train components, rebuilt . . . . .	336350 3100			
	Other motor vehicle parts, rebuilt (excluding carburetors and engine electrical equipment) (Specify kind.) ↴				
87		336399 8554			
	Special die and tool, die set, jig, and fixture manufacturing				
88	Jigs and fixtures (including parts) . . . . .	333514 0A10			
89	Metalworking die and die sets . . . . .	333514 0B10			
90	Punches, industrial prototypes, die parts, and other special tooling . . . . .	333514 0C10			
91	Gray iron castings for rolling mill, construction, utility, automotive and all other uses . . . . .	331511 9300			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Total shipments, including interplant transfers		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
92	Job stampings, automotive . . . . .	336370 0100			
93	Parts for wheel tractors (replacement only) (Corresponds to value of shipments on CIR MA333A, Farm Machinery and Lawn and Garden Equipment, 2007)* . . . . .	333111 C110			
94	Parts for farm machinery, for sale separately, other (Specify kind.) ↴	333111 CYWV			
95	Parts and attachments for industrial trucks and tractors (sold separately) . . . . .	333924 3100			
96	Military tanks and parts . . . . .	336992 0111			
97	Parts and accessories for civilian aircraft engines . . . . .	336412 7711			
98	Pistons, piston rings, and piston pins (engine) . . . . .	336311 3400			
99	Gasoline and gas-gasoline engines (excluding aircraft, automobile, highway truck, bus, tank, and outboard marine) . . . . .	333618 1100			
100	Power transmission equipment (excluding speed changers, drives, gears, and hydrostatic transmissions) (excluding automotive, truck, bus, and aircraft) (Specify kind.) ↴	333613 3YWV			
101	Motor vehicle air conditioning systems . . . . .	336391 7100			
102	Receipts for machine shop job work and job order repairs . . . . .	332710 0100			
103	Fractional horsepower motors (rated at less than 746 watts) (excluding hermetics) . . . . .	335312 1100			
104	Integral horsepower motors and generators other than for land transportation equipment, rated at 746 watts or more (excluding hermetics) . . . . .	335312 3100			
105	Land transportation motors, generators, control equipment, and parts . . . . .	335312 5100			
106	Motor-generator sets and other rotating equipment (including hermetics, fractional) . . . . .	335312 9100			
107	Automobile coil springs For domestic replacement and shipments for export (including shipments to U.S. motor vehicle manufacturers for resale) . . . . .	332611 1101			
108	Shipments to U.S. motor vehicle manufacturers or their suppliers for use in original equipment . . . . .	332611 1106			
109	Upfitting (receipts from completing trucks by installing and assembling bodies and/or other equipment onto truck chassis) (Specify kind.) ↴	336211 9901			
110	Parts for automobile and light truck trailers . . . . .	336999 6523			

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

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Total shipments, including interplant transfers		
			Value, f.o.b. plant		
			\$ Bil.	Mil.	Thou.
0734		0730	0731		
<b>111</b>	Receipts for research and development . . . . .	999804 1000			
	All other products made in this establishment - <i>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.</i>				
<b>112</b>		18			
<b>113</b>		26			
<b>114</b>		34			
<b>115</b>		42			
<b>116</b>		59			
<b>117</b>		67			
<b>118</b>	Contract work - Receipts for work done for others on their materials ( <i>Specify products worked on and kind of work.</i> ) ↴	930000 0000			
<b>119</b>	Resales - Sales of products bought and sold without further manufacture, processing, or assembly ( <i>The cost of such items should be reported in 16, line A2.</i> ) . . . . .	999890 0000			
<b>120</b>	Miscellaneous receipts Truck equipment distribution (merchant wholesale distribution) . . . . .	942312 0000			
<b>121</b>	Repair or customization of trucks, vans and passenger cars . . . . .	981112 1000			
<b>122</b>	Sales of scrap and refuse . . . . .	999801 3000			
<b>123</b>	Other miscellaneous receipts, including receipts for repair work, etc. . . . .	999809 8000			
<b>124</b>	<b>TOTAL</b> ( <i>Should equal total reported in 5</i> ) . . . . .	770000 0000			

**23-25** Not Applicable.

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**26** SPECIAL INQUIRIES

OTHER ESTABLISHMENT ACTIVITIES

1. Did this establishment design, engineer, or formulate the manufactured products that it sold, produced, or shipped?

0318  Yes

0319  No

2. Which of the following best describes this establishment's primary activity? (Mark "X" only ONE box.)

0362  Providing contract manufacturing services for others

0363  Transforming raw materials or components into new products that this establishment owns or controls

0364  Reselling goods manufactured by others (with or without minor final assembly)

0365  Other - Specify ↴

0366

3. Did this establishment purchase contract manufacturing services from other companies or other establishments of your company to process materials or components that this establishment owns or controls?

0496  Yes, primarily with establishments WITHIN the 50 States and the District of Columbia

0497  Yes, primarily with establishments OUTSIDE of the 50 States and the District of Columbia

0498  No

**27-29** Not Applicable.

REMARKS (Please use this space for any explanations that may be essential in understanding your reported data.)

**30** CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?

Yes

No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>

Name of person to contact regarding this report

Title

Telephone	Area code	Number			Extension	Fax	Area code	Number		
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Internet e-mail address

Date completed

Month	Day	Year
<input type="text"/>	<input type="text"/>	<input type="text"/>

**Thank you for completing your 2007 ECONOMIC CENSUS form.**

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

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