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## Advance Report on Durable Goods Manufacturers' Shipments, Inventories and Orders June 2011

**New Orders.** New orders for manufactured durable goods in June decreased \$4.0 billion or 2.1 percent to \$192.0 billion, the U.S. Census Bureau announced today. This decrease, down two of the last three months, followed a 1.9 percent May increase. Excluding transportation, new orders increased 0.1 percent. Excluding defense, new orders decreased 1.8 percent. Transportation equipment, also down two of the last three months, had the largest decrease, \$4.2 billion or 8.5 percent to \$45.4 billion. This was due to nondefense aircraft and parts which decreased \$2.8 billion.

**Shipments.** Shipments of manufactured durable goods in June, up six of the last seven months, increased \$1.0 billion or 0.5 percent to \$196.0 billion. This followed a 0.5 percent May increase. Machinery, up four of the last five months, had the largest increase, \$0.7 billion or 2.6 percent to \$29.1 billion.

**Unfilled Orders.** Unfilled orders for manufactured durable goods in June, up fourteen of the last fifteen months, increased \$2.1 billion or 0.2 percent to \$862.7 billion. This followed a 0.9 percent May increase. Machinery, up seventeen consecutive months, had the largest increase, \$2.1 billion or 2.0 percent to \$111.2 billion. This was at the highest level since the series was first published on a NAICS basis in 1992 and followed a 3.4 percent May increase.

**Inventories.** Inventories of manufactured durable goods in June, up eighteen consecutive months, increased \$1.6 billion or 0.4 percent to \$357.2 billion. This was at the highest level since the series was first published on a NAICS basis and followed a 1.2 percent May increase. Transportation equipment, also up eighteen consecutive months, had the largest increase, \$1.2 billion or 1.1 percent to \$109.1 billion. This was also at the highest level since the series was first published on a NAICS basis and followed a 1.7 percent May increase.

**Capital Goods.** Nondefense new orders for capital goods in June decreased \$3.0 billion or 4.1 percent to \$69.8 billion. Shipments increased \$0.7 billion or 1.1 percent to \$67.7 billion. Unfilled orders increased \$2.1 billion or 0.4 percent to \$504.7 billion. Inventories increased \$2.1 billion or 1.3 percent to \$162.7 billion. Defense new orders for capital goods in June decreased \$0.3 billion or 3.9 percent to \$8.6 billion. Shipments decreased \$0.1 billion or 1.6 percent to \$7.8 billion. Unfilled orders increased \$0.9 billion or 0.6 percent to \$150.3 billion. Inventories decreased \$0.5 billion or 2.3 percent to \$20.3 billion.

**Revised May Data.** Revised seasonally adjusted May figures for all manufacturing industries were: new orders, \$444.9 billion (revised from \$445.3 billion); shipments, \$443.9 billion (unchanged); unfilled orders, \$860.6 billion (revised from \$860.9 billion); and total inventories, \$592.5 billion (revised from \$593.0 billion).

Figures in text are adjusted for seasonality but not for inflation. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to <<http://www.census.gov/m3>>.

Revised and more detailed estimates, plus nondurable goods data, will be published on August 3, 2011, at 10:00 a.m. EDT. The advance report on durable goods for July is scheduled for release on August 24, 2011, at 8:30 a.m. EDT. See back page for survey description.

Table 1. Durable Goods Manufacturers' Shipments and New Orders <sup>1</sup>

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Item	Seasonally Adjusted						Not Seasonally Adjusted					
	Monthly			Percent Change			Monthly			Year to Date		
	Jun 2011 <sup>2</sup>	May 2011 <sup>f</sup>	Apr 2011	May - Jun <sup>2</sup>	Apr - May <sup>f</sup>	Mar - Apr	Jun 2011 <sup>2</sup>	May 2011 <sup>f</sup>	Jun 2010	2011	2010	Change 11/10
<b>DURABLE GOODS</b>												
<b>Total:</b>												
Shipments.....	196,000	195,049	194,103	0.5	0.5	-1.4	212,357	196,034	197,621	1,162,143	1,080,280	7.6
New Orders <sup>4</sup> .....	191,983	196,011	192,350	-2.1	1.9	-2.5	205,182	194,906	191,049	1,160,026	1,060,322	9.4
<b>Excluding transportation:</b>												
Shipments.....	150,177	149,075	147,839	0.7	0.8	-0.7	161,289	150,570	148,512	885,163	814,635	8.7
New Orders <sup>4</sup> .....	146,554	146,382	145,432	0.1	0.7	-0.1	156,058	147,607	146,026	874,874	801,469	9.2
<b>Excluding defense:</b>												
Shipments.....	185,980	184,984	183,930	0.5	0.6	-1.2	201,292	186,150	185,097	1,101,383	1,006,090	9.5
New Orders <sup>4</sup> .....	181,051	184,316	181,571	-1.8	1.5	-2.7	193,301	185,155	179,189	1,091,360	985,452	10.7
<b>Manufacturing with unfilled orders:</b>												
Shipments.....	141,867	140,785	139,538	0.8	0.9	-2.0	154,828	142,325	145,035	838,395	778,842	7.6
New Orders.....	143,974	148,221	144,500	-2.9	2.6	-2.6	152,630	146,873	141,839	873,981	791,766	10.4
<b>Primary metals:</b>												
Shipments.....	23,800	23,151	22,569	2.8	2.6	0.2	25,704	24,475	19,827	138,896	109,249	27.1
New Orders.....	23,023	22,792	22,637	1.0	0.7	1.5	24,346	24,109	18,710	139,526	113,209	23.2
<b>Fabricated metal products:</b>												
Shipments.....	24,947	24,753	24,616	0.8	0.6	-1.4	26,592	25,438	25,201	146,812	139,167	5.5
New Orders.....	25,640	25,104	24,662	2.1	1.8	-1.9	26,533	25,969	24,277	152,154	142,123	7.1
<b>Machinery:</b>												
Shipments.....	29,054	28,329	27,700	2.6	2.3	-5.2	31,504	29,091	29,119	171,558	155,560	10.3
New Orders.....	31,202	31,932	31,665	-2.3	0.8	0.9	32,620	32,285	31,558	188,613	163,681	15.2
<b>Computers and electronic products<sup>4</sup>:</b>												
Shipments.....	30,268	30,823	31,094	-1.8	-0.9	4.4	31,835	28,650	30,340	178,745	172,310	3.7
New Orders.....	24,413	24,374	24,299	0.2	0.3	2.0	26,903	21,841	27,000	141,550	139,357	1.6
<b>Computers and related products:</b>												
Shipments.....	5,583	5,594	5,726	-0.2	-2.3	1.7	6,540	4,856	6,045	31,848	28,013	13.7
New Orders.....	5,713	5,759	5,659	-0.8	1.8	-1.0	6,670	5,021	6,235	31,837	28,190	12.9
<b>Communications equipment:</b>												
Shipments.....	3,092	3,120	3,243	-0.9	-3.8	3.5	3,536	2,978	4,393	18,573	21,997	-15.6
New Orders.....	3,454	2,998	2,757	15.2	8.7	-2.3	3,700	2,372	3,872	17,374	20,856	-16.7
<b>Electrical equipment, appliances, and components:</b>												
Shipments.....	10,214	10,155	9,985	0.6	1.7	-2.5	11,037	10,182	10,413	59,918	55,826	7.3
New Orders.....	10,476	10,431	10,114	0.4	3.1	-5.2	11,198	10,467	10,964	62,601	58,914	6.3
<b>Transportation equipment:</b>												
Shipments.....	45,823	45,974	46,264	-0.3	-0.6	-3.7	51,068	45,464	49,109	276,980	265,645	4.3
New Orders.....	45,429	49,629	46,918	-8.5	5.8	-9.3	49,124	47,299	45,023	285,152	258,853	10.2
<b>Motor vehicles and parts:</b>												
Shipments.....	28,522	28,945	28,898	-1.5	0.2	-5.3	30,964	28,914	29,075	174,631	157,714	10.7
New Orders.....	28,548	28,944	28,864	-1.4	0.3	-5.3	30,718	28,747	28,678	174,229	156,819	11.1
<b>Nondefense aircraft and parts:</b>												
Shipments.....	6,963	6,719	6,820	3.6	-1.5	-2.0	8,481	6,398	7,701	40,584	37,593	8.0
New Orders.....	6,832	9,610	7,314	-28.9	31.4	-29.0	7,198	8,794	5,636	46,070	35,942	28.2
<b>Defense aircraft and parts:</b>												
Shipments.....	4,241	4,241	4,195	0.0	1.1	-4.9	4,968	3,956	5,484	24,996	30,408	-17.8
New Orders.....	4,092	5,145	4,539	-20.5	13.4	0.9	4,745	4,421	5,598	27,750	31,149	-10.9
<b>All other durable goods:</b>												
Shipments.....	31,894	31,864	31,875	0.1	0.0	-0.6	34,617	32,734	33,612	189,234	182,523	3.7
New Orders.....	31,800	31,749	32,055	0.2	-1.0	-0.7	34,458	32,936	33,517	190,430	184,185	3.4
<b>Capital goods<sup>3</sup>:</b>												
Shipments.....	75,457	74,846	74,095	0.8	1.0	-1.9	82,619	73,944	79,222	442,750	422,811	4.7
New Orders.....	78,416	81,740	77,510	-4.1	5.5	-5.1	83,488	78,455	79,235	470,909	429,283	9.7
<b>Nondefense capital goods:</b>												
Shipments.....	67,706	66,968	66,135	1.1	1.3	-1.4	74,360	66,084	69,370	394,951	362,457	9.0
New Orders.....	69,767	72,743	69,144	-4.1	5.2	-5.3	74,345	70,900	69,947	415,692	368,848	12.7
<b>Excluding aircraft:</b>												
Shipments.....	63,862	63,236	62,206	1.0	1.7	-1.5	69,583	62,424	64,693	372,373	340,492	9.4
New Orders.....	66,140	66,427	65,319	-0.4	1.7	-0.4	70,631	65,036	66,877	388,763	347,835	11.8
<b>Defense capital goods:</b>												
Shipments.....	7,751	7,878	7,960	-1.6	-1.0	-6.0	8,259	7,860	9,852	47,799	60,354	-20.8
New Orders.....	8,649	8,997	8,366	-3.9	7.5	-3.6	9,143	7,555	9,288	55,217	60,435	-8.6

<sup>f</sup> Revised data due to late receipts and concurrent seasonal adjustment.<sup>1</sup> Estimates of shipments and new orders are for the duration of the period, while estimates of unfilled orders and total inventories are for the end of the period. Not seasonally adjusted estimates of shipments and new orders include adjusted data for non-calendar reporters. Seasonally adjusted estimates include concurrent adjustments for holiday and trading-day differences, where appropriate, as well as seasonal variation, based on the results of the latest annual review of the model parameters. Estimates are not adjusted for price changes.<sup>2</sup> Based on advance sample. Estimates of manufacturers' shipments, inventories, and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. For further details on survey design, methodology, and data limitations, see <http://www.census.gov/manufacturing/m3>.<sup>3</sup> The Capital Goods Industries include Nondefense: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

Defense Capital Goods include: small arms and ordnance, communications equipment, aircraft; missiles, space vehicles, and parts, ships and boats, and search and navigation equipment.

<sup>4</sup> Estimates of shipments for the semiconductor industry are no longer shown separately. Estimates and percent changes of shipments and inventories for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals. Estimates and percent changes for new orders and unfilled orders exclude semiconductor industry data.

Table 2. Durable Goods Manufacturers' Unfilled Orders and Total Inventories <sup>1</sup>

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

Item	Seasonally Adjusted						Not Seasonally Adjusted			
	Monthly			Percent Change			Monthly			Percent
	Jun 2011 <sup>2</sup>	May 2011 <sup>r</sup>	Apr 2011	May - Jun <sup>2</sup>	Apr - May <sup>r</sup>	Mar - Apr	Jun 2011 <sup>2</sup>	May 2011 <sup>r</sup>	Jun 2010	
<b>DURABLE GOODS</b>										
<b>Total:</b>										
Unfilled Orders <sup>4</sup> .....	862,707	860,600	853,164	0.2	0.9	0.6	865,044	867,242	811,597	6.6
Total Inventories.....	357,177	355,584	351,488	0.4	1.2	1.2	356,195	359,840	317,157	12.3
<b>Excluding transportation:</b>										
Unfilled Orders <sup>4</sup> .....	365,669	363,168	359,387	0.7	1.1	1.2	367,612	367,866	324,475	13.3
Total Inventories.....	248,116	247,752	245,507	0.1	0.9	1.4	247,441	250,492	224,783	10.1
<b>Excluding defense:</b>										
Unfilled Orders <sup>4</sup> .....	693,246	692,051	686,245	0.2	0.8	0.6	693,734	696,748	646,954	7.2
Total Inventories.....	331,400	329,435	325,772	0.6	1.1	1.4	330,469	333,659	292,098	13.1
<b>Manufacturing with unfilled orders:</b>										
Unfilled Orders.....	862,707	860,600	853,164	0.2	0.9	0.6	865,044	867,242	811,597	6.6
Total Inventories.....	293,454	291,514	287,738	0.7	1.3	1.4	292,705	295,014	257,804	13.5
<b>Primary metals:</b>										
Unfilled Orders.....	32,034	32,811	33,170	-2.4	-1.1	0.2	32,291	33,649	27,661	16.7
Total Inventories.....	33,862	33,733	33,333	0.4	1.2	2.3	34,282	34,441	29,346	16.8
<b>Fabricated metal products:</b>										
Unfilled Orders.....	63,732	63,039	62,688	1.1	0.6	0.1	64,630	64,689	61,611	4.9
Total Inventories.....	44,886	44,767	44,160	0.3	1.4	1.7	44,977	45,138	40,769	10.3
<b>Machinery:</b>										
Unfilled Orders.....	111,214	109,066	105,463	2.0	3.4	3.9	111,333	110,217	84,403	31.9
Total Inventories.....	57,585	57,239	56,358	0.6	1.6	1.4	57,241	57,923	50,108	14.2
<b>Computers and electronic products<sup>4</sup>:</b>										
Unfilled Orders.....	124,336	124,067	124,042	0.2	0.0	-0.1	124,379	124,334	120,570	3.2
Total Inventories.....	48,083	48,110	47,968	-0.1	0.3	1.4	47,327	48,576	44,341	6.7
<b>Computers and related products:</b>										
Unfilled Orders.....	3,643	3,513	3,348	3.7	4.9	-2.0	3,643	3,513	3,721	-2.1
Total Inventories.....	5,633	5,711	5,816	-1.4	-1.8	7.2	5,509	5,969	5,972	-7.8
<b>Communications equipment:</b>										
Unfilled Orders.....	28,642	28,280	28,402	1.3	-0.4	-1.7	28,392	28,228	28,430	-0.1
Total Inventories.....	9,947	9,739	9,637	2.1	1.1	0.6	9,655	9,752	8,698	11.0
<b>Electrical equipment, appliances, and components:</b>										
Unfilled Orders.....	25,794	25,532	25,256	1.0	1.1	0.5	25,935	25,774	21,719	19.4
Total Inventories.....	15,408	15,476	15,400	-0.4	0.5	1.0	15,415	15,699	14,293	7.8
<b>Transportation equipment:</b>										
Unfilled Orders.....	497,038	497,432	493,777	-0.1	0.7	0.1	497,432	499,376	487,122	2.1
Total Inventories.....	109,061	107,832	105,981	1.1	1.7	0.8	108,754	109,348	92,374	17.7
<b>Motor vehicles and parts:</b>										
Unfilled Orders.....	13,534	13,508	13,509	0.2	0.0	-0.3	13,394	13,640	13,005	3.0
Total Inventories.....	24,993	24,899	24,601	0.4	1.2	0.7	24,670	25,340	22,035	12.0
<b>Nondefense Aircraft and parts:</b>										
Unfilled Orders.....	343,757	343,888	340,997	0.0	0.8	0.1	342,902	344,185	329,428	4.1
Total Inventories.....	59,219	57,839	56,600	2.4	2.2	2.1	59,336	58,866	45,519	30.4
<b>Defense Aircraft and parts:</b>										
Unfilled Orders.....	54,327	54,476	53,572	-0.3	1.7	0.6	54,859	55,082	51,812	5.9
Total Inventories.....	14,253	14,599	14,259	-2.4	2.4	-0.8	14,305	14,639	13,974	2.4
<b>All other durable goods:</b>										
Unfilled Orders.....	8,559	8,653	8,768	-1.1	-1.3	2.1	9,044	9,203	8,511	6.3
Total Inventories.....	48,292	48,427	48,288	-0.3	0.3	0.5	48,199	48,715	45,926	4.9
<b>Capital goods<sup>3</sup>:</b>										
Unfilled Orders.....	655,053	652,094	645,200	0.5	1.1	0.5	656,371	655,502	616,673	6.4
Total Inventories.....	183,033	181,457	178,739	0.9	1.5	1.5	182,322	183,772	158,057	15.4
<b>Nondefense capital goods:</b>										
Unfilled Orders.....	504,709	502,648	496,873	0.4	1.2	0.6	504,281	504,296	469,231	7.5
Total Inventories.....	162,720	160,667	158,368	1.3	1.5	1.8	162,112	162,990	138,041	17.4
<b>Excluding aircraft:</b>										
Unfilled Orders.....	202,068	199,790	196,599	1.1	1.6	1.6	202,484	201,436	176,964	14.4
Total Inventories.....	111,782	111,030	109,894	0.7	1.0	1.5	110,957	112,446	100,288	10.6
<b>Defense capital goods:</b>										
Unfilled Orders.....	150,344	149,446	148,327	0.6	0.8	0.3	152,090	151,206	147,442	3.2
Total Inventories.....	20,313	20,790	20,371	-2.3	2.1	-1.2	20,210	20,782	20,016	1.0

See footnotes at end of Table 1

## Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,300 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 65 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 4,300 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 4,300 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source. Any corrections will be published in the full report. Corrections received after the full report will be released in the next month's advance report. Any revisions made later than two months will be reflected in the annual benchmark publication.

Additional survey documentation can be found on our web site: <http://www.census.gov/m3>.