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Adriana Stoica Economic Indicators Division (301) 763-4832 M3-2 (15)-08 CB15-161

## Full Report on Manufacturers' Shipments, Inventories and Orders August 2015

#### Summary

New orders for manufactured goods in August, down following two consecutive monthly increases, decreased \$8.2 billion or 1.7 percent to \$473.0 billion, the U.S. Census Bureau reported today. This followed a 0.2 percent July increase.

Shipments, down four of the last five months, decreased \$3.2 billion or 0.7 percent to \$480.1 billion. This followed a 0.2 percent July decrease.

Unfilled orders, down following two consecutive monthly increases, decreased \$2.4 billion or 0.2 percent to \$1,195.0 billion. This followed a 0.2 percent July increase. The unfilled orders-to-shipments ratio was 6.87, down from 6.89 in July.

Inventories, down two consecutive months, decreased \$1.6 billion or 0.3 percent to \$648.4 billion. This followed a 0.3 percent July decrease. The inventories-to-shipments ratio was 1.35, up from 1.34 in July.

#### **New Orders**

New orders for manufactured durable goods in August, down following two consecutive monthly increases, decreased \$5.5 billion or 2.3 percent to \$235.5 billion, down from the previously published 2.0 percent decrease. This followed a 1.9 percent July increase.

Transportation equipment, also down following two consecutive monthly increases, led the decrease, \$5.1 billion or 6.2 percent to \$78.3 billion.

New orders for manufactured nondurable goods decreased \$2.7 billion or 1.1 percent to \$237.5 billion.

#### Shipments

Shipments of manufactured durable goods in August, down following two consecutive monthly increases, decreased \$0.5 billion or 0.2 percent to \$242.7 billion, down from the previously published virtually unchanged decrease. This followed a 1.0 percent July increase.

Transportation equipment, also down following two consecutive monthly increases, led the decrease, \$0.3 billion or 0.3 percent to \$80.6 billion.

Shipments of manufactured nondurable goods, down two consecutive months, decreased \$2.7 billion or 1.1 percent to \$237.5 billion. This followed a 1.4 percent July decrease. Petroleum and coal products, also down two consecutive months, drove the decrease, \$2.7 billion or 5.6 percent to \$45.8 billion.

## **Unfilled Orders**

Unfilled orders for manufactured durable goods in August, down following two consecutive monthly increases, decreased \$2.4 billion or 0.2 percent to \$1,195.0 billion, virtually unchanged from the previously published decrease. This followed a 0.2 percent July increase.

Transportation equipment, also down following two consecutive monthly increases, led the decrease, \$2.2 billion or 0.3 percent to \$800.1 billion.

#### Inventories

Inventories of manufactured durable goods in August, down three of the last four months, decreased \$0.1 billion or virtually unchanged to \$401.2 billion, down from the previously published virtually unchanged increase. This followed a 0.2 percent July decrease.

Primary metals, down seven consecutive months, drove the decrease, \$0.5 billion or 1.3 percent to \$36.5 billion.

Inventories of manufactured nondurable goods, down two consecutive months, decreased \$1.5 billion or 0.6 percent to \$247.2 billion. This followed a 0.4 percent July decrease. Petroleum and coal products, also down two consecutive months, drove the decrease, \$1.8 billion or 4.9 percent to \$34.7 billion.

By stage of fabrication, August materials and supplies increased 0.1 percent in durable goods and decreased 0.8 percent in nondurable goods. Work in process increased 0.2 percent in durable goods and decreased 0.5 percent in nondurable goods. Finished goods decreased 0.5 percent in durable goods and decreased 0.5 percent in nondurable goods.

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 www.census.gov/m3. The Advance Report on durable goods for September is scheduled for release on October 27, 2015 at 8:30 a.m. EDT and the Full Report on November 3, 2015 at 10:00 a.m. EST. See back page for survey description. To receive the latest updates on the Nation's key economic indicators, download the America's Economy app for Apple and Android smartphones and tablets. To learn more about this release and the other indicators the U.S. Census Bureau publishes, join us for the Investigating Economic Indicators Webinar Series. For more information, visit www.census.gov/econ/webinar.

"Virtually unchanged" indicates that the change is less than 0.05 percent for a percent increase or decrease.

#### Table 1. Value of Manufacturers' Shipments for Industry Groups<sup>1</sup>

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

		Sea	asonally Ac	djusted					Not	Seasonally A	Adjusted		
		Monthly		Per	cent Cha	inge		Mor	nthly			Year to date	
Industry	Aug. 2015 <sup>p</sup>	July 2015 <sup>r</sup>	June 2015	July - Aug.	June - July	May - June	Aug. 2015 <sup>p</sup>	July 2015 <sup>r</sup>	June 2015	Aug. 2014	2015 <sup>p</sup>	2014	% Change 2015/ 2014
All manufacturing industries	480,143	483,362	484,363	-0.7	-0.2	0.6	490,105	472,386	513,644	517,184	3,838,548	3,998,480	-4.
Excluding transportation	399,577	402,521	405,906	-0.7	-0.8	0.4	408,890	402,289	427,305	442,586	3,224,798	3,430,864	-6.0
Excluding defense	467,771	470,412	471,504	-0.6	-0.2	0.4	477,957	460,917	499,554	505,263	3,744,750	3,906,028	-4.1
With unfilled orders	173,860	173,814	172,730	0.0	0.6	1.0	175,682	164,588	189,152	174,024	1,368,106	1,330,756	2.8
Durable goods industries	242,677	243,200	240,911	-0.2	1.0	0.9	246,383	230,210	262,452	244,369	1,908,853	1,866,212	2.3
Wood products	8,136	8,084	7,916	0.6	2.1	1.8	8,715	8,568	8,842	8,851	65,120		
Nonmetallic mineral products	9,690 20,448	9,799 20,710	9,642 21,117	-1.1 -1.3	1.6 -1.9	1.6 -1.0	10,607 20,992	10,544 20,460	10,587 22,000	10,762 24,449	77,441 173,703	76,724	0.9
Primary metals Iron and steel mills	20,448	9,662	9,817	-1.3	-1.9	-1.7	20,992	20,460	22,000	24,449	80,849	186,890 93,625	
Aluminum and nonferrous metals	9,291	9,440	9,697	-1.6	-2.7	-0.5	9,566	9,354	10,044	10,698	79,775	80,069	-0.4
Ferrous metal foundries	1,633	1,608	1,603	1.6	0.3	1.1	1,651	1,554	1,805	1,661	13,079		
Fabricated metal products	29,791	29,822	29,895	-0.1	-0.2	0.0	31,094	29,634	31,881	31,799	240,365	239,284	0.
Machinery	33,795	33,656	33,943	0.4	-0.8	1.5	33,170	32,656	37,041	34,988	267,151	271,161	-1.
Farm machinery	1,843	1,700	1,765	8.4	-3.7	9.0	1,710	1,591	1,754	3,420	14,179	24,502	-42.
Construction machinery	3,627	3,647	3,609	-0.5	1.1	-1.6	3,251	3,415	3,596	2,801	29,028	21,870	32.
Mining, oil field, and gas field machinery	1,588	1,693	1,735	-6.2	-2.4	-2.1	1,583	1,611	1,851	2,775	14,750	22,110	-33.
Industrial machinery	2,897	2,960	3,213	-0.2	-2.4	7.7	2,759	2,824	3,576	2,773	21,704	23,274	-6.
Photographic equipment	528	538	549	-1.9	-2.0		518	502	587	2,033	4,100		
Ventilation, heating, air-conditioning,	020	000	0.10		2.0		0.0	002	001	0.1	.,	., .00	1 1.
and refrigeration equipment	3,944	3,966	3,904	-0.6	1.6	0.4	4,098	4,423	4,993	4,093	32,113		
Metalworking machinery	3,241	3,234	2,981	0.2	8.5	-0.7	3,259	3,164	3,273	2,497	22,859	20,052	14.
Turbines, generators, and other								_					1
power transmission equipment	4,049	3,893	4,177	4.0	-6.8		4,081	3,775	4,341	4,219	32,941	30,474	8.
Material handling equipment	2,709	2,692	2,606	0.6	3.3	2.0	2,806	2,663	2,694	2,504	20,196	19,127	5.
Computers and electronic products <sup>2</sup>	29,382 674	29,177	29,269	0.7	-0.3	-0.2	29,484 642	27,954	32,998 978	28,087 610	226,647	221,586	2.: -7.:
Computers Computer storage devices	462	710 479	699 475	-5.1 -3.5	1.6 0.8	2.3 3.5	642 368	623 286	978 790	440	5,251 3,421	5,694 4,550	-24.
Other peripheral equipment	891	952	994	-6.4	-4.2	4.3	708	752	1,463	776	7,280	7,109	
Nondefense communications	031	332	334	-0.4	-4.2	4.5	700	152	1,403	110	7,200	7,103	2.
equipment	3,277	3,381	3,410	-3.1	-0.9	2.8	3,231	2,957	4,254	3,180	25,988	25,242	3.0
Defense communications equipment	304	313	283	-2.9	10.6	-8.7	287	293	270	350	2,625	2,959	-11.3
Audio and video equipment	250	247	249	1.2	-0.8	-1.6	245	230	241	312	1,748	2,392	-26.9
Electronic components	4,816	4,863	4,786	-1.0	1.6	3.6	5,117	5,067	5,453	4,002	36,542	29,359	24.5
Nondefense search and navigation													
equipment	1,388	1,357	1,351	2.3	0.4	-1.0	1,401	1,198	1,518	1,220	10,376	9,549	8.7
Defense search and navigation	2,780	2,795	2,733	-0.5	2.3	1.2	2,808	2,496	2,932	2,726	20,716	20,153	2.8
equipment Electromedical, measuring,	2,700	2,795	2,733	-0.5	2.3	1.2	2,000	2,490	2,932	2,720	20,710	20,155	2.0
and control instruments	9,582	9,433	9,259	1.6	1.9	0.8	9,153	8,584	10,788	8,534	72,418	68,377	5.9
Electrical equipment, appliances,		-,	.,				-,	-,	-,		, -	, -	
and components	10,175	10,378	10,201	-2.0	1.7	-0.9	10,389	10,078	11,139	10,944	82,366	82,931	-0.7
Electric lighting equipment	1,000	1,004	960	-0.4	4.6		1,029	983	964	983	7,529	7,693	-2.1
Household appliances	1,600	1,619	1,609	-1.2	0.6	-1.0	1,595	1,552	1,736	1,773	12,934	13,683	-5.
Electrical equipment	3,108	3,216	3,094	-3.4	3.9 -4.0	-2.8	3,152	3,080	3,599	3,346	25,656	26,428	
Batteries Transportation equipment	826 80,566	840 80,841	875 78,457	-1.7 -0.3	-4.0	3.3 1.9	827 81,215	749 70,097	891 86,339	930 74,598	6,433 613,750	6,729 567,616	-4.4
Automobiles	8,804	8,935	9,013	-1.5	-0.9	-4.0	8,936	7,292	9,787	8,826	69,982	65,479	
Light trucks and utility vehicles	14,049	14,689	13,399	-4.4	9.6	4.0	14,679	11,979	14,470	12,588	104,788	97,042	
Heavy duty trucks	3,079	3,203	3,146	-3.9	1.8	1.1	3,102	3,186	3,488	2,821	24,882	20,621	20.
Motor vehicle bodies, parts,													
and trailers	26,860	26,844	25,745	0.1	4.3	1.4	27,674	24,014	27,512	24,507	207,006	187,432	10.4
Nondefense aircraft and parts	15,372	13,916	14,180	10.5	-1.9	-1.3	14,643	12,110	16,696	12,944	110,205	95,449	
Defense aircraft and parts	5,069	5,279	5,440	-4.0	-3.0 -0.5		4,891	4,505	6,144	4,493	36,692		0.4
Ships and boats Furniture and related products	2,742 6,412	2,844 6,471	2,857 6,373	-3.6 -0.9	-0.5	3.7 1.6	2,683 6,895	2,597 6,646	3,131 6,561	2,771 6,520	21,972 50,620	22,735 47,418	-3.
Miscellaneous durable goods	14,282	14,262	14,098	0.1	1.3		13,822	13,573	15,064	13,371	111,690		4.
5											-	-	
Nondurable goods industries	237,466	240,162	243,452	-1.1	-1.4	0.4	243,722	242,176	251,192	272,815	1,929,695	2,132,268	-9.8
Food products	65,989	66,025	65,873	-0.1	0.2	-0.2	66,565	63,642	65,155	67,948	521,206	527,586	-1.3
Grain and oilseed milling	8,318	8,382	8,270	-0.8	1.4	-1.9	8,473	8,016	7,845	8,245	64,270	64,814	-0.8
Dairy products	9,919	9,897	9,939	0.2	-0.4	-0.7	10,111	9,881	9,929	11,057	79,045	85,697	-7.
Meat, poultry, and seafood products	18,800	18,969	18,983	-0.9	-0.1	-0.9	19,049	18,684	19,384	20,494	152,996	157,487	-2.
Beverage and tobacco products	12,651	12,442	12,490	1.7	-0.4	-0.1	13,052	12,650	13,275	12,708	99,594	98,259	1.
Beverages	8,999	8,950	8,886 3,604	0.5	0.7 -3.1	-0.4	9,400	9,158 3,492	9,671	9,248	71,372	71,905	-0.
Tobacco Textile mills	3,652 2,544	3,492 2,559	3,604	4.6 -0.6	-3.1	0.6 1.7	3,652 2,657	2,576	3,604 2,727	3,460 2,726	28,222 20,761	26,354 21,302	-2.5
Textile products	1,932	1,935	1,902	-0.0	-0.3	0.5	2,037	1,978	2,727	2,720	15,608	15,379	-2.
Apparel	1,175	1,355	1,127	1.8	2.4	0.2	1,281	1,167	1,070	1,167	8,763	8,261	6.1
Leather and allied products	468	463	460	1.1	0.7	-0.6	470	449	483	470	3,720	3,648	
Paper products	16,122	16,075	15,977	0.3	0.6	-0.7	16,568	16,404	16,544	16,985	129,024	128,937	0.
Pulp, paper, and paperboard mills	7,117	7,096	7,062	0.3	0.5	-0.6	7,358	7,237	7,227	7,307	57,123	56,248	
Paperboard containers	5,225	5,200	5,210	0.5	-0.2	-0.2	5,402	5,468	5,505	5,920	41,969	43,017	-2.
Printing	7,242	7,350	7,263	-1.5	1.2	1.1	7,277	7,072	7,129	7,049	56,668		3.
Petroleum and coal products	45,813	48,530	52,591 49,036	-5.6 -5.9	-7.7 -8.6	0.6 0.8	49,333	52,312 47,991	54,775	75,670	403,296 373,508	585,569	-31.
Petroleum refineries Chemical products	42,188 64,298	44,834 64,339	49,036 63,855	-5.9 -0.1	-8.6	0.8	45,028 64,712	64,327	50,644 67,271	70,647 65,855	373,508 515,664	553,079 530,592	-32.
Pesticides, fertilizers, and other	04,∠30	04,009	00,000	-0.1	0.0	0.0	04,712	04,327	01,211	00,000	515,004	000,092	-2.0
agricultural chemicals	5,013	4,939	4,693	1.5	5.2	2.8	4,080	4,132	4,999	3,288	41,334	35,894	15.3
Pharmaceuticals and medicines	16,565	16,534	15,753	0.2	5.0	2.5	16,812	16,670	16,513	14,271	124,208	117,245	5.
Paints, coatings, and adhesives	3,362	3,294	3,249	2.1	1.4	-2.0	3,532	3,588	3,593	3,402	27,328	26,810	1.9
Plastics and rubber products	19,232	19,290	19,341	-0.3	-0.3	1.1	19,773	19,599	20,708	20,229	155,391	158,038	-1.

<sup>p</sup> Preliminary <sup>r</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. See note at end of Table 2 relating to survey error and revision.

<sup>2</sup> Estimates and percent changes of shipments for the semiconductor industry are included in computers and electronic products, and all other applicable aggregate totals.

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

		5	Seasonally	Adjusted					Not S	easonally A	Adjusted		
		Monthly		Per	cent Chan	ge		Mon	thly		١	ear to date	
Industry	Aug. 2015 <sup>p</sup>	July 2015 <sup>r</sup>	June 2015	July - Aug.	June - July	May - June	Aug. 2015 <sup>p</sup>	July 2015 <sup>r</sup>	June 2015	Aug. 2014	2015 <sup>p</sup>	2014	% Change 2015/ 2014
All manufacturing industries <sup>2</sup>	472,989	481,206	480,063	-1.7	0.2	2.2	473,193	469,006	510,706	507,622	3,771,182	4,064,510	-7.2
Excluding transportation <sup>2</sup>	394,667	397,742	400,478	-0.8	-0.7	0.6	400,099	395,455	420,570	434,712	3,185,620	3,415,893	-6.7
Excluding defense <sup>2</sup>	461,974	467,585	469,062	-1.2	-0.3	2.2	465,014	457,644	495,834	499,673	3,687,817	3,968,267	-7.1
With unfilled orders <sup>2</sup>	171,414	176,054	173,252	-2.6	1.6	5.2	164,014	166,449	190,317	170,198	1,339,248	1,441,527	-7.1
Durable goods industries <sup>2</sup>	235,523	241,044	236,611	-2.3	1.9	4.1	229,471	226,830	259,514	234,807	1,841,487	1,932,242	-4.7
Primary metals	20,494	20,513	20,985	-0.1	-2.2	-2.6	20,373	20,073	21,775	23,160	172,617	188,551	-8.5
Iron and steel mills	9,623	9,470	9,691	1.6	-2.3	-5.7	9,423	9,200	10,096	10,959	80,626	94,466	-14.7
Aluminum and nonferrous metals	9,289	9,444	9,597	-1.6	-1.6		9,395	9,266	9,878	10,534	79,067	80,593	
Ferrous metal foundries	1,582	1,599	1,697	-1.1	-5.8		1,555	1,607	1,801	1,667	12,924	13,492	
Fabricated metal products	29,337	29,879	30,294	-1.8	-1.4	2.0	29,989	29,780	31,578	31,417	240,970	244,851	-1.6
Machinery Construction machinery Mining, oil field, and	33,406 3,560	33,140 3,361	32,658 3,261	0.8 5.9	1.5 3.1	2.4 1.7	32,339 3,336	31,721 2,797	34,993 3,056	34,689 3,210		284,642 24,442	
gas field machinery	1,440	1,412	1,377	2.0	2.5	3.5	1,352	1,377	1,637	2,839	13,159	22,940	-42.6
Industrial machinery	2,959	2,945	3,021	0.5	-2.5	3.7	2,689	2,781	3,418	2,005		23,975	
Photographic equipment Ventilation, heating, air-conditioning,	541	535	459	1.1	16.6		545	529	408	600	4,262	4,497	-5.2
and refrigeration equipment	3,937	3,969	3,940	-0.8	0.7	0.4	3,902	4,186	4,898	4,235	32,058	32,692	-1.9
Metalworking machinery	3,203	3,122	2,848	2.6	9.6		3,161	3,069	3,042	2,701	22,663	20,424	
Turbines, generators, and other	0.040	0.000	0 750		1.0	47	0.740	0.000	4 000	0.054	00.050	04.007	40.0
power transmission equipment	3,819 2,627	3,696 2,905	3,758	3.3 -9.6	-1.6 -2.4	1.7 6.2	3,719	3,609	4,083	3,254		34,267	-12.3
Material handling equipment			2,977	-9.6 -0.5	-2.4 1.0	6.2 0.9	2,585	2,723	3,028	2,673	21,367	20,343	5.0 5.8
Computers and electronic products <sup>2</sup>	25,148	25,280	25,026 763	-0.5 -1.0	-		23,801	23,068	28,867	22,709		183,184	
Computers Nondefense communications	664	671	763	-1.0	-12.1	25.3	632	584	1,042	655	5,359	6,011	-10.8
equipment	3,481	3,726	3,733	-6.6	-0.2	5.2	3,232	3,296	4,055	3,605	28,538	29,081	-1.9
Defense communications equipment	295	358	286	-0.0	25.2	-14.9	277	3,290	4,033	441	2,735	2,748	
Electronic components	4,759	4,844	4,800	-1.8	0.9		5,130	5,095	5,383	4,073		29,671	
Nondefense search and navigation	.,	.,	.,				-,	-,	-,	.,	,		
equipment	1,682	1,598	1,534	5.3	4.2	-2.8	1,631	1,443	1,794	1,456	12,664	12,012	5.4
Defense search and navigation													
equipment	2,708	2,790	2,489	-2.9	12.1	-4.2	2,422	2,377	2,785	2,317	19,834	19,252	3.0
Electromedical, measuring,													
and control instruments	9,706	9,364	9,495	3.7	-1.4	-0.6	8,876	8,448	10,805	8,433	73,399	68,897	6.5
Electrical equipment, appliances,	10,187	10 222	10,107	0.4	1.2	1.2	10,270	9,509	11 100	10 004	00 105	94 079	-3.3
and components	994	10,232 1,004	948	-0.4 -1.0	5.9	1.3 0.6	1,009	9,509 985	11,188 976	10,904 979	82,185 7,534	84,978 7,712	
Electric lighting equipment Household appliances	1,503	1,004	1,603	-0.9	-5.4	0.8	1,009	1,444	1,661	1,735	12,821	13,721	-2.3
Electrical equipment	3,190	3,291	3,158	-3.1	4.2	-1.0	3,155	3,164	3,652	3,320	26,333	27,117	-2.9
Transportation equipment	78,322	83,464	79,585	-6.2	4.9	10.8	73,094	73,551	90,136	72,910		648,617	-9.7
Motor vehicle bodies, parts,													-
and trailers	26,832	26,933	25,711	-0.4	4.8	1.2	27,707	23,585	27,069	24,980		188,497	9.3
Nondefense aircraft and parts	15,105	16,051	17,568	-5.9	-8.6		10,680 3,163	16,238	20,556	14,211	94,648	169,536	
Defense aircraft and parts Ships and boats	4,580 2,426	4,356 3,342	5,081 2,786	5.1 -27.4	-14.3 20.0	31.1 28.0	2,021	3,331 2,738	6,655 3,316	2,745 2,057	29,870 19,201	34,405 30,641	-13.2 -37.3
Furniture and related products	2,426	3,342 6,382	2,786	-27.4	20.0	28.0	6,478	2,738	6,475	2,057		48,141	
Nondurable goods industries	237,466	240,162	243,452	-1.1	-1.4	0.4	243,722	242,176	251,192	272,815			

<sup>p</sup> Preliminary <sup>r</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

adjusted common of the model parameters. Estimates appared due to non-carried reporters of consuming appared common apparents and real consumer apparents and r

<sup>2</sup> Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

Note: 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 <a href="http://www.census.gov/manufacturing/m3/s">http://www.census.gov/manufacturing/m3/s</a>.

## Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups<sup>1</sup>

[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments, Inventories, and Orders Surve	y.]
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Industry   Percent Charge   Monthly     Aug. 2015 <sup>7</sup> July   June 2015 <sup>7</sup> July   July <th< th=""><th></th><th></th><th></th><th>Seasonally A</th><th>djusted</th><th></th><th></th><th></th><th>Not S</th><th>easonally Adj</th><th>usted</th><th></th></th<>				Seasonally A	djusted				Not S	easonally Adj	usted	
Aug. 2015 <sup>6</sup> Jule 2015 <sup>6</sup> Jule 2015 <sup>7</sup> June 2015 <sup>7</sup> June 2015 <sup>7</sup> May- 2015 <sup>7</sup> July 2015 <sup>7</sup> <			Monthly		Pe	rcent Chan	ge		Mon	thly		% Change
Excluding transportation <sup>2</sup> .   394.473   395.475   395.475   -0.1   -0.1   -0.2   393.479   397.026   398.619   395.165     Excluding defense <sup>2</sup> .   1,013.097   1,014,186   1,012.617   -0.2   0.0   1,186.044   1,011,174   1,006.367     Durable goods industries <sup>2</sup> .   1,195.011   1,197.457   1,195.217   -0.2   0.0   1,186.044   1,197.712   1,195.851   1,200.582     Irinary metals   13.567   35.521   35.718   0.1   -0.6   -0.4   35.096   55.712   1,195.011   1,197.457   1,195.011   1,197.457   1,195.015   1,200.582     Aluminum and noferrous metals   12,167   12,163   0.0   -0.4   11,871   18.686   19.300     Construction machinery   5,142   5,093   5,102   -1.0   -0.2   1.9   5,104   5,053   5,026     Fabricated metal products   8,186   82,213   82,256   -0.6   0.1   6,534   -1.1   111,473   112,874   12,144	Industry	•					-	•			-	August 2015/ 2014
Excluding defense <sup>2</sup>	II manufacturing industries <sup>2</sup>	1,195,011	1,197,457	1,195,217	-0.2	0.2	0.0	1,186,044	1,197,712	1,195,851	1,200,582	-1.2
Durable goods industries <sup>2</sup> 1,195,011   1,197,457   1,195,217   0.2   0.2   0.1   1,186,044   1,197,712   1,195,851   1,200,682     Primary metals   35,567   35,521   35,718   0.1   -0.6   -0.4   35,096   35,715   36,102   36,247     Iron and steel mills   18,360   18,261   18,453   0.0   0.0   0.8   11,292   12,096   12,144   11,21,215     Ferrous metal foundries   5,042   5,093   5,102   -1.0   -0.2   1.9   5,010   5,053   5,026     Fabricated metal products   6,181   6,248   6,534   -0.5   -1.1   111,048   111,279   10,013   12,845     Mining, oil field, and gas field machinery.   6,460   9,608   9,889   -1.5   -2.8   -3.5   9,548   9,779   10,013   12,845     Industrial machinery.   7,643   7,650   7,647   -0.1   0.0   5,5   7,521   7,758   6,928     Ventilation, heating, air c	Excluding transportation <sup>2</sup>	394,873	395,075	395,458	-0.1	-0.1	-0.2	393,479	397,026	398,619	395,156	-0.4
Primary metals.   35,567   35,521   35,718   0.1   -0.6   -0.4   35,096   35,715   36,102   36,247     Iron and steel mills.   18,360   12,165   12,167   12,163   18,463   0.5   -1.0   -0.7   18,161   18,513   18,865   19,300     Aluminum and oneferous metals   5,042   5,033   5,102   -1.0   -0.2   1.9   5,101   5,106   5,053   5,026     Fabricated metal products.   81,859   82,321   82,256   66   0.1   0.5   -1.1   111,444   111,823   122,452   124,541   124,551   124,541   12,642   1,662 <td>Excluding defense<sup>2</sup></td> <td>1,013,097</td> <td>1,014,186</td> <td>1,012,617</td> <td>-0.1</td> <td>0.2</td> <td>0.2</td> <td>1,005,443</td> <td>1,013,142</td> <td>1,011,174</td> <td>1,006,367</td> <td>-0.1</td>	Excluding defense <sup>2</sup>	1,013,097	1,014,186	1,012,617	-0.1	0.2	0.2	1,005,443	1,013,142	1,011,174	1,006,367	-0.1
Iron and stele mills. 18,360 18,261 18,453 0.5 -0.7 18,161 18,513 18,865 19,300   Aluminum and nonferrous metals. 12,165 12,167 12,163 11,925 12,066 5,102 -1.0 -0.2 19 5,010 5,106 5,053 5,026   Fabricated metal products. 81,859 82,313 82,256 -0.6 0.1 0.5 82,421 83,536 83,390 83,216   Machinery. 6,181 6,248 6,534 -1.1 -4.4 -5.1 5,966 5,901 6,519 9,361   Industrial machinery. 9,460 9,608 9,889 -1.5 -2.8 -3.5 9,548 9,779 10,013 12,865 1,864 9,732   Photographic equipment. 1,606 1,533 1,596 0.8 -0.2 -5.3 1,636 1,609 1,822 1,769   Ventilation, keating machinery. 7,643 7,657 7,647 -0.1 0.0 0.5 7,325 7,521 7,758 6,228   Metalworking machinery. 6,620	Durable goods industries <sup>2</sup>	1,195,011	1,197,457	1,195,217	-0.2	0.2	0.0	1,186,044	1,197,712	1,195,851	1,200,582	-1.2
Aluminum and nonferrous metals. 12,165 12,167 12,163 0.0 0.0 -0.8 11,925 12,086 12,144 11,925   Ferrous metal foundries 81,859 82,313 82,256 -0.6 0.1 0.5 82,431 83,536 83,390 83,216   Construction machinery. 61,81 6,248 6,534 -1.1 -4.4 -5.1 5,986 5,901 6,519 9,361   Mining. of lifed, and 61,81 6,248 6,534 -1.1 -4.4 -5.1 5,986 5,901 6,519 9,361   Mining. of lifed, and 64,60 9,608 9,889 -1.5 -2.8 3.5 9,548 9,779 10.013 12,845   Industrial machinery. 8,471 8,409 8,424 0.7 -0.2 8,471 8,545 8,549 9,732 1,758 6,928 1,636 1,630 1,600 1,582 1,769 1,632 1,636 1,632 1,632 1,636 1,624 6,819 7,632 7,521 7,758 6,928 6,724 6,819 7,632 7,225					-					/ -		-3.2
Ferrous metal foundries   5.042   5.093   5.102   -1.0   -0.2   1.9   5.010   5.106   5.033   5.023     Fabricated metal products   81.895   82.313   82.266   -0.6   0.1   0.5   82.431   83.356   83.390   83.216     Maining, oil field, and   9.460   9.608   9.889   -1.5   -2.8   -3.5   9.548   9.779   10.013   12.845     Industrial machinery   9.460   9.608   9.889   -1.5   -2.8   -3.5   9.548   9.779   10.013   12.845     Industrial machinery   9.460   9.608   9.889   -1.5   -2.8   -3.5   9.548   9.779   10.013   12.845     Ventilation, reating, air-conditioning,   7.643   7.650   7.647   -0.1   0.0   5   7.325   7.521   7.758   6.928     Metalworking machinery   2.544   -0.7   -0.6   -1.3   32.063   32.425   32.591   35.708     Metalworking machinery <td< td=""><td></td><td>18,360</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>18,865</td><td></td><td>-5.9</td></td<>		18,360								18,865		-5.9
Fabricated metal products.   B1.659   82,313   82,256   -0.6   0.1   0.5   82,431   83,336   83,330   83,3216     Machinery.   111,474   111,863   112,377   -0.3   -0.5   -1.1   111,444   111,871   112,815     Mining, oil field, and gas field machinery.   9,460   9,608   9,889   -1.5   -2.8   -3.5   9,548   9,779   10,013   12,845     Industrial machinery.   8,471   8,409   8,424   0.7   -0.2   -2.2   8,471   8,544   9,732     Photographic equipment.   1,666   1,593   1,596   0.8   -2   -5.3   1,636   1,693   1,596   0.8   -2   5.3   1,636   1,693   1,593   1,596   0.8   -2   5.3   1,636   1,623   1,769   1,2845   1,769   1,2845   1,769   1,2845   1,769   1,2845   1,769   1,2845   1,769   1,2845   1,769   1,2842   1,769   1,2845   1,2,141												0.0
Machinery.   111,474   111,683   112,379   -0.5   -1.1   111,048   111,879   112,814   122,151     Construction machinery.   6,181   6,248   6,534   -1.1   -4.4   -5.1   5,986   5,901   6,519   9,361     gas field machinery.   9,460   9,608   9,889   -1.5   -2.8   -3.5   9,548   9,779   10.013   12,845     Industrial machinery.   8,471   8,409   8,424   0.7   -0.2   -2.2   8,471   8,544   9,732     Ventilation, heating, air-conditioning,   7,643   7,650   7,647   -0.1   0.0   0.5   7,325   7,521   7,758   6,628     Metaihanding equipment.   32,117   32,447   32,425   32,245   32,2591   35,708     Material handing equipment.   11,957   12,039   11,826   -0.7   1.8   32,11921   12,142   12,020   10,202   10,204   10,203   34,453   134,181   124,422   10,208   134,181					-							-0.3
Construction machinery												-0.9
Mining, oil field, and gas field machinery												-8.6
gas field machinery.   9,460   9,608   9,889   -1.5   -2.8   -3.5   9,548   9,779   10,013   12,845     Industrial machinery.   8,471   8,409   8,424   0.7   -0.2   -2.2   8,471   8,541   8,584   9,732     Photographic equipment   1,606   1,593   1,596   0.6   -0.2   -5.3   1,636   1,609   1,582   1,769     and refrigeration equipment   7,643   7,650   7,647   -0.1   0.0   0.5   7,325   7,521   7,758   6,528     Metalworking machinery		6,181	6,248	6,534	-1.1	-4.4	-5.1	5,986	5,901	6,519	9,361	-36.1
Industrial machinery   8,471   8,409   8,424   0.7   -0.2   -2.2   8,471   8,541   8,584   9,732     Photographic equipment   1,606   1,593   1,596   0.8   -0.2   -5.3   1,636   1,609   1,582   1,769     Ventilation, heating, air-conditioning, and refrigeration equipment   7,643   7,650   7,647   -0.1   0.0   0.5   7,325   7,521   7,758   6,928     Metaiworking machinery   6,660   6,724   6,840   -0.6   -1.3   32,063   32,425   32,591   35,708     Turbines, generators, and other   11,957   12,039   11,826   -0.7   1.8   32   11,921   12,142   12,082   10,208     Computers    2,580   2,590   2,629   -0.4   -1.5   2,5   2,590   2,292   2,347     Nondefense communications equipment.   2,981   2,990   2,945   -0.3   1,5   0.1   3,002   3,012   2,975   3,096												
Photographic equipment		-,										-25.7
Ventilation, heating, air-conditioning, and refrigeration equipment.   7,643   7,650   7,647   -0.1   0.0   0.5   7,325   7,521   7,758   6,928     Turbines, generators, and other power transmission equipment.   32,117   32,347   32,544   -0.6   -1.6   -1.9   6,626   6,724   6,819     Computers and electronic products <sup>2</sup> 134,854   132,381   -0.7   1.8   3.2   11,921   12,142   12,082   10,208     Computers.   2,560   2,590   2,629   -0.4   -1.5   2.5   2,580   2,590   2,629   2,306     Nondefense communications equipment.   36,559   36,355   36,010   0.6   1.0   0.9   36,303   36,002   35,963   31,992     Defense communications equipment.   2,981   2,990   2,945   -0.3   1.5   0.1   30,002   3,012   2,975   3,096     Electronic components   10,933   10,990   11,009   -0.5   -0.2   0.1   11,026   11,013   10,985 </td <td></td> <td>-13.0</td>												-13.0
Metalworking machinery   6,690   6,728   6,840   -0.6   -1.6   -1.9   6,626   6,724   6,819   7,692     Turbines, generators, and other   power transmission equipment.   32,117   32,347   32,544   -0.7   -0.6   -1.3   32,063   32,425   32,591   35,708     Material handling equipment.   11,957   12,039   11,826   -0.7   1.8   3.2   11,921   12,142   12,082   10,208     Computers		1,606	1,593	1,596	0.8	-0.2	-5.3	1,636	1,609	1,582	1,769	-7.5
Turbines, generators, and other power transmission equipment.   32,117   32,347   32,425   32,425   32,591   35,708     Computers and electronic products <sup>2</sup> 134,854   134,854   134,380   133,881   0.4   0.4   0.4   134,097   134,536   134,181   124,422     Computers   2,580   2,590   2,629   -0.4   -1.5   2.5   2,580   2,590   2,629   2,366     Defense communications equipment   2,981   2,990   2,945   -0.3   1.5   0.1   11,026   11,013   10,985   10,691   10,933	and refrigeration equipment	7,643	7,650	7,647	-0.1	0.0	0.5	7,325	7,521	7,758	6,928	5.
power transmission equipment.   32,117   32,347   32,544   -0.7   -0.6   -1.3   32,063   32,425   32,591   35,708     Material handling equipment.   11,957   12,039   11,826   -0.7   1.8   3.2   11,921   12,142   12,082   10,208     Computers and electronic products <sup>2</sup> 134,854   134,864   133,881   0.4	Metalworking machinery	6,690	6,728	6,840	-0.6	-1.6	-1.9	6,626	6,724	6,819	7,692	-13.9
Material handling equipment	Turbines, generators, and other											
Computers and electronic products <sup>2</sup> 134,854   134,380   133,881   0.4   0.4   0.4   134,097   134,536   134,181   124,422     Computers.   2,580   2,590   2,629   -0.4   -1.5   2.5   2,580   2,590   2,629   2,306     Nondefense communications equipment.   36,559   36,355   36,010   0.6   1.0   0.9   36,303   36,302   35,963   31,992     Defense communications equipment.   2,981   2,990   2,945   -0.3   1.5   0.1   3,002   3,012   2,975   3,096     Electronic components.   10,933   10,990   11,009   -0.5   -0.2   0.1   11,026   11,013   10,985   10,691     Nondefense search and navigation   9,715   19,421   19,180   1.5   1.3   1.0   19,803   19,573   19,328   16,583     Defense search and navigation   29,744   29,620   29,689   0.4   -0.2   0.8   29,366   29,643   29,779	power transmission equipment	32,117	32,347	32,544	-0.7	-0.6	-1.3	32,063	32,425	32,591	35,708	-10.2
Computers	Material handling equipment	11,957	12,039	11,826	-0.7	1.8	3.2	11,921	12,142	12,082	10,208	16.8
Nondefense communications equipment	Computers and electronic products <sup>2</sup>	134,854	134,380	133,881	0.4	0.4	0.4	134,097	134,536	134,181	124,422	7.8
Nondefense communications equipment		2,580	2.590	2.629	-0.4	-1.5	2.5	2.580	2.590	2.629	2.306	11.9
equipment		,	,	,	-	-	-	,	,	,	,	
Electronic components		36,559	36,355	36,010	0.6	1.0	0.9	36,303	36,302	35,963	31,992	13.5
Electronic components	Defense communications equipment	2,981	2,990	2.945	-0.3	1.5	0.1	3.002	3.012	2.975	3.096	-3.0
Nondefense search and navigation equipment												3.1
Defense search and navigation equipment.   32,342   32,414   32,419   -0.2   0.0   -0.7   32,017   32,403   32,522   32,473     Electromedical, measuring, and components.   29,744   29,620   29,689   0.4   -0.2   0.8   29,366   29,643   29,779   27,281     Electrical equipment, appliances, and components.   22,546   22,534   22,680   0.1   -0.6   -0.4   22,378   22,497   23,066   21,903     Electrical equipment.   1,097   1,103   1,013   -0.5   0.0   -1.1   1,111   1,156   1,664   1,324     Electrical equipment.   9,759   9,677   9,602   0.8   0.7   9,779   9,776   9,692   8,879     Transportation equipment.   800,138   802,382   799,759   -0.3   0.3   0.1   792,565   800,686   797,232   805,426     Motor vehicle bodies, parts, and trailers.   21,678   21,706   21,617   -0.1   0.4   -0.2   21,063   21,030								,	,			
equipment	equipment	19,715	19,421	19,180	1.5	1.3	1.0	19,803	19,573	19,328	16,583	19.4
Electromedical, measuring, and control instruments												
and control instruments	equipment	32,342	32,414	32,419	-0.2	0.0	-0.7	32,017	32,403	32,522	32,473	-1.4
Electrical equipment, appliances, and components.   22,546   22,534   22,680   0.1   -0.6   -0.4   22,378   22,497   23,066   21,903     Electric lighting equipment.   1,097   1,103   1,103   -0.5   0.0   -1.1   1,111   1,131   1,129   1,121     Household appliances.   1,487   1,584   1,686   -6.1   -6.0   -0.4   1,411   1,555   1,664   1,324     Electrical equipment.   9,759   9,677   9,602   0.8   0.8   0.7   9,779   9,776   9,692   8,879     Transportation equipment.   800,138   802,382   799,759   -0.3   0.3   0.1   792,565   800,686   797,232   805,426     Motor vehicle bodies, parts, and trailers.   21,678   21,706   21,617   -0.1   0.4   -0.2   21,063   21,030   21,459   19,985     Nondefense aircraft and parts.   614,094   614,361   612,226   0.0   0.3   0.6   608,219   612,182   <												
and components   22,546   22,534   22,680   0.1   -0.6   -0.4   22,378   22,497   23,066   21,903     Electric lighting equipment   1,097   1,103   1,103   -0.5   0.0   -1.1   1,111   1,121   1,121     Household appliances   1,487   1,584   1,686   -6.1   -6.0   -0.4   1,411   1,556   1,664   1,324     Electrical equipment		29,744	29,620	29,689	0.4	-0.2	0.8	29,366	29,643	29,779	27,281	7.6
Electric lighting equipment												
Household appliances   1,487   1,584   1,686   -6.1   -6.0   -0.4   1,411   1,556   1,664   1,324     Electrical equipment   9,759   9,677   9,602   0.8   0.8   0.7   9,779   9,776   9,692   8,879     Transportation equipment   800,138   802,382   799,759   -0.3   0.3   0.1   792,565   800,686   797,232   805,426     Motor vehicle bodies, parts, and trailers   21,678   21,706   21,617   -0.1   0.4   -0.2   21,063   21,030   21,459   19,985     Nondefense aircraft and parts   614,094   614,361   612,226   0.0   0.3   0.6   608,219   612,182   608,054   609,372					-							2.2
Electrical equipment	Electric lighting equipment	1,097	1,103	,	-0.5	0.0	-1.1	1,111		1,129	1,121	-0.9
Transportation equipment												6.6
Motor vehicle bodies, parts, and trailers   21,678   21,706   21,617   -0.1   0.4   -0.2   21,063   21,030   21,459   19,985     Nondefense aircraft and parts   614,094   614,361   612,226   0.0   0.3   0.6   608,219   612,182   608,054   609,372												10.1
Nondefense aircraft and parts 614,094 614,361 612,226 0.0 0.3 0.6 608,219 612,182 608,054 609,372	Motor vehicle bodies, parts,	ŗ		-								-1.6
Nondefense aircraft and parts   614,094   614,361   612,226   0.0   0.3   0.6   608,219   612,182   608,054   609,372	and trailers	21,678	21,706	21,617	-0.1	0.4	-0.2	21,063	21,030	21,459	19,985	5.4
Defense aircraft and parts		614,094	614,361	612,226	0.0	0.3	0.6	608,219	612,182	608,054	609,372	-0.2
		63,768	64,257		-0.8	-1.4	-0.5	62,567	64,295	65,469	68,429	-8.6
Ships and boats						1.8						-18.5
Furniture and related products												7.2

<sup>P</sup> Preliminary <sup>r</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> Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data.

See note at end of Table 2 relating to survey error and revision.

## Table 4. Value of Manufacturers' Inventories for Industry Groups<sup>1</sup>

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

			Seasonally A	ajuotea			Not Seasonally Adjusted						
		Monthly		Pe	ercent Chang	ge		Mon	thly		% Change		
Industry	Aug. 2015 <sup>p</sup>	July 2015 <sup>r</sup>	June 2015	July - Aug.	June - July	May - June	Aug. 2015 <sup>p</sup>	July 2015 <sup>r</sup>	June 2015	Aug. 2014	August 2015/ 2014		
All manufacturing industries	648,385	650,029	651,751	-0.3	-0.3	0.3	652,649	653,831	648,233	659,281	-1		
Excluding transportation	515,862 619,675	518,367 622,121	519,911 624,091	-0.5 -0.4	-0.3 -0.3	0.0 0.2	519,549 623,942	521,092	517,632 620,551	533,891	-2 -1		
Excluding defense With unfilled orders	327,630	327,646	328,086	-0.4	-0.3	0.2	623,942 330,324	625,689 330,715	326,450	633,767 323,172	-1		
Durable goods industries	401,173	401,297	402,145	0.0	-0.2	0.4	404,011	404,258	399,493	394,305	2		
Nood products	11,219	11,261	11,267	-0.4	-0.1	0.3	11,105	11,097	11,047	10,535	5		
Nonmetallic mineral products	12,962	13,020	13,098	-0.4	-0.6	-0.5	12,910	13,037	13,252	12,686	1		
Primary metals	36,521	36,991	37,313	-1.3	-0.9	-1.2	36,611	36,973	36,981	38,738	-5		
Iron and steel mills	21,000	21,349	21,611	-1.6	-1.2	-1.1	21,009	21,258	21,370	22,870	-8		
Aluminum and nonferrous metals	13,522	13,631	13,683	-0.8	-0.4	-1.6	13,598	13,714	13,616	13,886	-2		
Ferrous metal foundries	1,999 48,940	2,011 48,950	2,019 49,125	-0.6 0.0	-0.4 -0.4	1.2 0.1	2,004 49,029	2,001 49,365	1,995 49,137	1,982 48,439	1		
Fabricated metal products Machinery	48,940 66,519	46,950	66,879	-0.2	-0.4	-0.1	49,029 67,345	49,303	66,437	46,439 67,102	0		
Farm machinery	3,232	3,287	3,322	-0.2	-1.1	-1.6	3,139	3,284	3,412	3,768	-16		
Construction machinery	7,154	7,221	7,311	-0.9	-1.2	1.0	7,116	7,189	7,330	5,306			
Mining, oil field,													
and gas field machinery	5,433	5,466	5,489	-0.6	-0.4	-4.0	5,536	5,545	5,545	7,088			
Industrial machinery	6,086	5,990	6,040	1.6	-0.8	0.9	6,138	5,929	6,037	6,401	-4		
Photographic equipment	1,378	1,368	1,380	0.7	-0.9	-0.5	1,434	1,396	1,354	1,414	1		
Ventilation, heating, air-conditioning, and refrigeration equipment	5,305	5,319	5,389	-0.3	-1.3	0.7	5,372	5,424	5,440	5,208	3		
Metalworking machinery	5,305 5,592	5,593	5,389 5,644	-0.3	-1.3	-0.2	5,372	5,424 5,662	5,440 5,653	5,208 5,488	3		
Turbines, generators, and other	0,002	0,000	3,044	0.0	0.0	0.2	5,700	3,002	0,000	5,400			
power transmission equipment	9,975	10,033	10,014	-0.6	0.2	-0.2	10,367	10,249	9,591	10,651	-2		
Material handling equipment	4,216	4,183	4,150	0.8	0.8	0.7	4,339	4,303	4,173	4,022	7		
Computers and electronic products <sup>2</sup>	45,726	46,019	46,055	-0.6	-0.1	0.4	46,500	46,486	45,467	45,112	3		
Computers	1,116	1,209	1,280	-7.7	-5.5	6.7	1,184	1,277	1,278	1,174	(		
Computer storage devices	1,401	1,438	1,510	-2.6	-4.8	-0.4	1,467	1,474	1,431	1,551	-{		
Other peripheral equipment	1,122	1,191	1,259	-5.8	-5.4	-1.5	1,159	1,213	1,225	1,391	-16		
Nondefense communications	4,738	4,765	4,783	-0.6	-0.4	-2.8	4,812	4,745	4,693	5,282	-8		
equipment Defense communications equipment	4,738	4,765	4,783	-0.6	-0.4	-2.0	4,612	4,745	4,093	5,262	-0		
Audio and video equipment	772	785	829	-1.7	-5.3	3.4	824	794	768	765	-		
Electronic components	8,217	8,283	8,199	-0.8	1.0	1.3	8,229	8,345	8,065	7,398	11		
Nondefense search and navigation	- /	-,	-,			-	-, -	-,	-,	,			
equipment	3,503	3,487	3,455	0.5	0.9	1.5	3,560	3,527	3,413	3,289	8		
Defense search and navigation													
equipment	3,234	3,186	3,110	1.5	2.4	-0.2	3,253	3,265	3,119	2,772	17		
Electromedical, measuring							44.050			45 000			
and control instruments	14,427	14,468	14,469	-0.3	0.0	-0.4	14,850	14,674	14,331	15,026	-1		
Electrical equipment, appliances, and components	16,657	16,639	16,591	0.1	0.3	0.3	16,865	16,902	16,639	16,774	C		
Electric lighting equipment	1,848	1,834	1,828	0.1	0.3	0.8	1,878	1,891	1,836	1,887	-(		
Household appliances	2,083	2,078	2,067	0.2	0.5	0.5	2,180	2,162	2,093	2,137			
Electrical equipment	4,996	5,016	5,048	-0.4	-0.6	0.2	5,011	5,047	4,987	5,067	-		
Batteries	1,405	1,399	1,369	0.4	2.2	1.7	1,476	1,453	1,392	1,375			
Fransportation equipment	132,523	131,662	131,840	0.7	-0.1	1.2	133,100	132,739	130,601	125,390			
Automobiles	4,676	4,549	4,961	2.8	-8.3	-2.8	4,634	4,407	4,633	4,458			
Light trucks and utility vehicles	4,205	4,212	4,025	-0.2 -0.5	4.6	2.7 4.5	4,210 1,937	4,287	3,734 1,946	3,602	16		
Heavy duty trucks Motor vehicle bodies, parts,	1,954	1,963	1,974	-0.5	-0.6	4.5	1,937	1,943	1,946	1,583	Ζ.		
and trailers	25,130	25,165	25,334	-0.1	-0.7	0.2	25,187	25,311	24,974	23,472			
Nondefense aircraft and parts	67,061	66,984	66,739	0.1	0.4	1.2	67,477	67,723	66,621	65,165			
Defense aircraft and parts	12,788	12,427	12,433	2.9	0.0	-3.8	12,818	12,557	12,403	13,024			
Ships and boats	2,230	2,216	2,158	0.6	2.7	0.0	2,205	2,166	2,150	2,243	-		
urniture and related products	7,274	7,262	7,208	0.2	0.7	0.7	7,430	7,489	7,410	6,926	· ·		
Aiscellaneous durable goods	22,832	22,818	22,769	0.1	0.2	1.3	23,116	22,906	22,522	22,603			
londurable goods industries	247,212	248,732	249,606	-0.6	-0.4	0.0	248,638	249,573	248,740	264,976	-1		
-													
ood products	53,173	53,058	52,395	0.2	1.3	-1.1	53,714	52,600	50,977	54,065	-		
Grain and oilseed milling Dairy products	5,897 8,080	5,919 8,026	5,936 8,019	-0.4 0.7	-0.3 0.1	1.9 0.1	5,698 8,303	5,695 8,312	5,749 8,306	6,013 8,967			
Meat, poultry, and seafood products	9,326	9,351	8,935	-0.3	4.7	-5.5	9,459	9,375	8,300	9,691			
Beverage and tobacco products	20,198	20,185	20,092	0.1	0.5	0.5	19,531	19,436	19,485	19,002			
Beverages	15,872	15,885	15,810	-0.1	0.5	0.3	15,467	15,421	15,406	15,225			
Tobacco	4,326	4,300	4,282	0.6	0.4	1.2	4,064	4,015	4,079	3,777			
extile mills	3,243	3,243	3,239	0.0	0.1	-0.2	3,259	3,262	3,249	3,293	-		
extile products	2,960	2,950	2,931	0.3	0.6	-1.3	2,973	2,955	2,947	3,103	-		
vpparel	2,643	2,601	2,514	1.6	3.5	0.4	2,789	2,753	2,559	2,408	1		
eather and allied products	867	863	866	0.5	-0.3	-1.1	884	871 16 754	877	880			
Paper products	16,675	16,681	16,670	0.0	0.1	0.6	16,781	16,754	16,610	16,462	1		
Pulp, paper, and paperboard mills	7,372 4,688	7,386 4,660	7,394 4,648	-0.2 0.6	-0.1 0.3	1.5 -0.4	7,361 4,727	7,362 4,690	7,355 4,640	6,434 5,319	1 -1		
Printing	4,088 5,716	4,660 5,714	4,648	0.6	-1.4	-0.4	4,727 6,007	4,690 5,896	4,640 5,870	5,319	-1		
Petroleum and coal products	34,669	36,439	38,528	-4.9	-1.4	0.0	35,468	37,546	39,433	51,543	-3		
Petroleum refineries	29,991	31,804	33,799	-5.7	-5.9	0.0	30,812	32,906	34,651	46,601	-3		
Chemical products	82,479	82,395	81,899	0.1	0.6	0.5	82,732	82,948	82,051	83,613	-		
Pesticides, fertilizers, and other										,			
agricultural chemicals	4,706	4,747	4,793	-0.9	-1.0	0.8	4,455	4,409	4,434	4,602			
Pharmaceuticals and medicines	32,413	32,158	31,694	0.8	1.5	0.7	32,479	32,466	32,287	30,943 3,603	1		
Paints, coatings, and adhesives	3,652	3,680	3,612	-0.8	1.9	-1.8	3,608	3,724	3,644				

<sup>p</sup> Preliminary <sup>r</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> Estimates of inventories for the semiconductor industry data are included in computers and electronic products, and all other applicable aggregate totals.

See note at end of Table 2 relating to survey error and revision.

#### Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for **Topical Series**<sup>1, 2</sup>

IEstimates are shown in millions of dollars and are based on data from the Manufacturers' Shinments, Inventories, and Orders Survey 1

		Sea	sonally Adj	usted					Not	Seasonally /	Adjusted		
		Monthly		Perc	cent Cha	inge		Mon	thly		Year to	o date	
Industry													% Change
	Aug.	July	June	July -	June -	May -	Aug.	July	June	Aug.			2015/
	2015 <sup>p</sup>	2015 <sup>r</sup>	2015	Aug.	July	June	2015 <sup>p</sup>	2015 <sup>r</sup>	2015	2014	2015 <sup>p</sup>	2014	2014
				Ũ	,								
SHIPMENTS													
All manufacturing industries	480,143	483,362	484,363	-0.7	-0.2	0.6	490,105	472,386	513,644	517,184	3,838,548	3,998,480	-4.0
Construction materials and supplies	46,421	46,461	45,873	-0.1	1.3	0.4	49,754	49,197	50,748	50,619	373,296	371,942	
Information technology	24,027	24,155	23,873	-0.5	1.2	0.7	23,427	21,862	27,978	22,832	185,511	180,317	2.9
Computers and related products	2,027	2,141	2,168	-5.3	-1.2	3.5	1,718	1,661	3,231	1,826	15,952	17,353	-8.1
Motor vehicle and parts	52,792	53,671	51,303	-1.6	4.6	1.0	54,391	46,471	55,257	48,742	406,658	370,574	9.7
Capital goods	90,467	89,708	89,636	0.8	0.1	1.8	88,815	83,585	100,119	88,502	698,152	679,895	
Nondefense capital goods <sup>3</sup>	80,496	79,241	79,240	1.6	0.0	0.7	78,973	74,240	88,900	78,891	622,681	606,410	
Excluding aircraft	69,540	69,844	69,585	-0.4	0.4	1.0	68,375	66,119	77,480	69,964	547,936	543,857	0.8
Defense capital goods <sup>4</sup>	9,971	10,467	10,396	-4.7	0.7	10.7	9,842	9,345	11,219	9,611	75,471	73,485	2.7
Consumer goods	190,071	193,359	195,090	-1.7	-0.9	0.4	195,088	189,377	200,514	216,666	1,529,851	1,691,157	-9.5
Consumer durable goods	36,417	37,266	35,891	-2.3	3.8	1.0	36,863	32,011	38,403	34,377	281,421	266,044	
Consumer nondurable goods	153,654	156,093	159,199	-1.6	-2.0	0.3	158,225	157,366	162,111	182,289	1,248,430	1,425,113	-12.4
NEW ORDERS													
All manufacturing industries <sup>5</sup>	472,989	481,206	480,063	-1.7	0.2	2.2	473,193	469,006	510,706	507,622	3,771,182	4,064,510	-7.2
Construction materials and supplies	46,215	46,457	46,363	-0.5	0.2	1.6	48,849	49,219	50,785	50,674	374,537	378,347	-1.0
Information technology	24,604	24,551	24,208	0.2	1.4	0.7	23,045	21,669	27,900	23,176	190,078	187,709	
Computers and related products	2,017	2,102	2,232	-4.0	-5.8	10.4	1,708	1,622	3,295	1,871	16,060	17,670	
Motor vehicle and parts	52,764	53,760	51,269	-1.9	4.9	0.9	54,424	46,042	54,814	49,215	405,691	371,639	9.2
Capital goods	88,526	93,280	90,594	-5.1	3.0	9.9	80,338	86,776	102,690	86,976	677,892	772,228	
Nondefense capital goods <sup>3</sup>	79,944	81,970	81,504	-2.5	0.6	10.7	73,852	77,023	90,290	80,474	609,206	694,887	-12.3
Excluding aircraft	69,314	69,875	68,540	-0.8	1.9	1.5	66,626	65,193	75,288	69,947	547,206	567,619	
Defense capital goods <sup>4</sup>	8,582	11,310	9,090	-24.1	24.4	2.8	6,486	9,753	12,400	6,502	68,686	77,341	-11.2
Consumer goods	190,066	193,156	195,051	-1.6	-1.0	0.4	194,891	189,161	200,260	216,470	1,529,541	1,691,159	
Consumer durable goods	36,412	37,063	35,852	-1.8	3.4	0.9	36,666	31,795	38,149	34,181	281,111	266,046	
Consumer nondurable goods	153,654	156,093	159,199	-1.6	-2.0	0.3	158,225	157,366	162,111	182,289	1,248,430	1,425,113	-12.4
UNFILLED ORDERS													
All manufacturing industries <sup>5</sup>	1,195,011	1,197,457	1,195,217	-0.2	0.2	0.0	1,186,044	1,197,712	1,195,851	1,200,582	(X)	(X)	-1.2
Construction materials and supplies	54,776	54,982	54,986	-0.4	0.0	0.9	54,883	55,788	55,766	53,955	(X)	(X)	
Information technology	135,730	135,153	134,757	0.4	0.3	0.2	134,784	135,166	135,359	126,079	(X)	(X)	
Computers and related products	2,580	2,590	2,629	-0.4	-1.5	2.5	2,580	2,590	2,629	2,306	(X)	(X)	
Motor vehicle and parts	21,678	21,706	21,617	-0.1	0.4	-0.2	21,063	21,030	21,459	19,985	(X)	(X)	
Capital goods	910,238	912,179	908,607	-0.2	0.4	0.1	903,974	912,451	909,260	915,591	(X)	(X)	
Nondefense capital goods <sup>3</sup>	761,373	761,925	759,196	-0.1	0.4	0.3	755,519	760,640	757,857	755,244	(X)	(X)	
Excluding aircraft	246,351	246,577	246,546	-0.1 -0.9	0.0	-0.4 -0.9	245,636	247,385	248,311	245,287	(X) (X)	(X)	
Defense capital goods <sup>4</sup>	148,865	150,254	149,411		0.6		148,455	151,811	151,403	160,347		(X)	
Consumer goods Consumer durable goods	5,231 5,231	5,236 5,236	5,439 5,439	-0.1 -0.1	-3.7 -3.7	-0.7 -0.7	4,953 4,953	5,150 5,150	5,366 5,366	4,589 4,589	(X) (X)	(X) (X)	7.9
TOTAL INVENTORIES	5,251	5,250	5,455	-0.1	-5.7	-0.7	4,800	5,150	5,500	4,505	(//)	(//)	1.0
All manufacturing industries	648,385	650,029	651,751	-0.3	-0.3	0.3	652,649	653,831	648,233	659,281	(X)	(X)	-1.0
Construction materials and supplies	65,337	65,490	65,869	-0.2	-0.6		65,272	65,754	65,944	63,985	(* ') (X)	(X)	
Information technology	38,991	39,180	39,315	-0.2	-0.8	-0.2	39,841	39,682	38,901	39,976	(X) (X)	(X) (X)	
Computers and related products	3,639	3,838	4,049		-5.2	1.4	3,810	3,964	3,934	4,116	(X)	(X)	-7.4
Motor vehicle and parts	35,965	35,889	36,294	0.2	-1.1	0.3	35,968	35,948	35,287	33,115	(X)	(X)	8.6
Capital goods	199,992	199,801	199,790	0.1	0.0	0.8	202,220	201,904	199,094	197,456	(X)	(X)	2.4
Nondefense capital goods <sup>3</sup>	176,336	176,849	177,066	-0.3	-0.1	0.5	178,597	178,848	176,318	176,927	(X)	(X)	
Excluding aircraft	120,492	120,945	121,397	-0.4	-0.4	0.1	122,381	122,171	120,577	122,769	(X)	(X)	
Defense capital goods <sup>4</sup>	23,656	22,952	22,724	3.1	1.0	3.6	23,623	23,056	22,776	20,529	(X)	(X)	15.1
Consumer goods	185,948	187,158	187,971	-0.6	-0.4	0.0	187,302	187,601	186,514	198,711	(X)	(X)	-5.7
Consumer durable goods	29,588	29,394	29,514	0.7	-0.4	0.7	29,886	29,422	28,648	28,132	(X)	(X)	
Consumer nondurable goods	156,360	157,764	158,457	-0.9	-0.4	-0.1	157,416	158,179	157,866	170,579	(X)	(X)	-7.7

X Not Applicable <sup>p</sup> Preliminary

<sup>r</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> Topical series are regroupings of the separate industry categories.

<sup>3</sup> Nondefense capital goods industries include: 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; 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.

<sup>4</sup>Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.

<sup>5</sup> Estimates and percent changes exclude semiconductor industry data.

<sup>6</sup> Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.

See note at end of Table 2 relating to survey error and revision.

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[Estimates are shown in millions of dollars and are based on data from the Manufacturers' Shipments	, Inventories,	and Orders Survey	41	

			Seasonally A	djusted				Not S	easonally Adju	usted	
		Monthly		Pe	rcent Chan	ge		Mor	thly		% Change
Industry	Aug. 2015 <sup>p</sup>	July 2015 <sup>r</sup>	June 2015	July - Aug.	June - July	May - June	Aug. 2015 <sup>p</sup>	July 2015 <sup>r</sup>	June 2015	Aug. 2014	August 2015/ 2014
MATERIALS AND SUPPLIES											
All manufacturing industries	213,815	214,325	215,955	-0.2	-0.8	0.1	214,305	215,333	214,322	219,334	-2.3
Durable goods industries	133,493	133,331	134,456	0.1	-0.8	0.2	134,236	134,020	133,075	134,445	-0.2
Wood products	4,496	4,518	4,523	-0.5	-0.1	-0.9	4,493	4,443	4,294	4,267	5.3
Nonmetallic mineral products Primary metals	4,990 13,932	5,065 14,100	5,096 14,248	-1.5 -1.2	-0.6 -1.0	-0.5 -2.1	5,002 13,901	5,097 14,077	5,117 14,085	4,853 14,829	3.1 -6.3
Fabricated metal products	17,594	17,640	17,835	-0.3	-1.1	0.3	17,592	17,807	17,752	18,185	-3.3
Machinery Computers and electronic products	26,067 18,936	26,248 18,991	26,477 19,086	-0.7 -0.3	-0.9 -0.5	0.0 0.9		26,768 19,074	26,437 18,813	26,233 18,741	0.6 1.7
Electrical equipment, appliances,	10,350	10,331	13,000	-0.5	-0.5	0.5	13,004	13,074	10,013	10,741	1.7
and components	6,599 29,381	6,589 28,660	6,508 29,233	0.2 2.5	1.2 -2.0	0.0	6,654 29,523	6,656 28,434	6,473 28,625	7,021 28,974	-5.2 1.9
Transportation equipment Furniture and related products	3,783	3,801	3,750	-0.5	-2.0	1.1 0.8	29,523	26,434 3,872	3,802	3,545	7.6
Miscellaneous products	7,715	7,719	7,700	-0.1	0.2	0.9	7,801	7,792	7,677	7,797	0.1
Nondurable goods industries	80,322	80,994	81,499	-0.8	-0.6	0.0		81,313	81,247	84,889	-5.7
Food products Beverage and tobacco products	17,871 5,127	17,889 5,145	17,923 5,133	-0.1 -0.3	-0.2 0.2	-0.2 0.0	17,612 4,919	17,780 4,916	17,567 4,982	17,953 4,804	-1.9 2.4
Textiles	1,181	1,181	1,171	0.0	0.9	-0.3		1,188	1,177	1,151	3.4
Textile products Apparel	1,113 888	1,112 873	1,106 851	0.1 1.7	0.5 2.6	-3.3 0.7	1,114 905	1,114 894	1,113 873	1,168 702	-4.6 28.9
Leather and allied products	255	253	251	0.8	0.8	1.2	261	256	252	269	-3.0
Paper products	8,584	8,589	8,561	-0.1	0.3	0.2	8,595	8,644 2,835	8,514	8,328	3.2 2.2
Printing Petroleum and coal products	2,757 7,684	2,766 8,191	2,799 8,568	-0.3 -6.2	-1.2 -4.4	-0.8 0.0	2,831 7,730	2,835 8,371	2,828 8,935	2,769 11,268	-31.4
Chemical products	25,031	25,124	25,205	-0.4	-0.3	0.4	25,090	25,364	25,152	26,201	-4.2
Plastics and rubber products	9,831	9,871	9,931	-0.4	-0.6	-0.1	9,822	9,951	9,854	10,276	-4.4
WORK IN PROCESS											
All manufacturing industries	206,598	206,583	206,653	0.0	0.0	1.0	206,843	207,759	205,346	206,175	0.3
Durable goods industries	158,391	158,145	158,086	0.2	0.0	0.9		160,087	157,753	151,980	5.0
Wood products Nonmetallic mineral products	2,336 1,503	2,355 1,493	2,376 1,497	-0.8 0.7	-0.9 -0.3	1.4 -0.6	2,312 1,495	2,361 1,513	2,385 1,528	2,102 1,340	10.0 11.6
Primary metals	11,277	11,493	11,497	-1.1	-0.3	-0.0	1,495	11,539	11,378	11,579	-1.5
Fabricated metal products	12,995	12,987	13,073	0.1	-0.7	-0.3		13,133	13,040	13,526	-2.6
Machinery Computers and electronic products	19,834 15,587	19,613 15,745	19,491 15,724	1.1 -1.0	0.6 0.1	-0.3 1.2	20,214 15,828	19,628 16,140	19,200 15,802	19,725 14,782	2.5 7.1
Electrical equipment, appliances,											
and components Transportation equipment	3,874 86,009	3,887 85,727	3,965 85,551	-0.3 0.3	-2.0 0.2	0.5 1.5	3,923 86,221	3,924 86,849	3,981 85,481	3,792 80,586	3.5 7.0
Furniture and related products	1,033	1,036	1,047	-0.3	-1.1	-3.0	1,042	1,056	1,061	1,014	2.8
Miscellaneous products	3,943	3,899	3,891	1.1	0.2	1.5	4,025	3,944	3,897	3,534	13.9
Nondurable goods industries	48,207 6,009	48,438 5,907	48,567 5,661	-0.5 1.7	-0.3 4.3	1.2 0.4	47,205 5,479	47,672 5,334	47,593 5,102	54,195 4,988	-12.9 9.8
Food products Beverage and tobacco products	7,454	7,372	7,310	1.1	4.3	1.1	6,758	5,534 6,592	6,704	4,966	9.8
Textiles	759	760	767	-0.1	-0.9	0.1	771	768	766	821	-6.1
Textile products Apparel	455 328	453 328	442 328	0.4 0.0	2.5 0.0	-1.3 0.6	458 346	455 359	438 352	447 355	2.5 -2.5
Leather and allied products	107	99	99	8.1	0.0	6.5	106	98	95	90	17.8
Paper products Printing	1,358 1,359	1,338 1,359	1,346 1,386	1.5 0.0	-0.6 -1.9	2.6 3.4	1,373 1,512	1,348 1,422	1,347 1,355	1,310 1,424	4.8 6.2
Petroleum and coal products	9,505	9,915	11,066	-4.1	-10.4	4.4		10,211	11,092	17,249	-43.5
Chemical products Plastics and rubber products	18,172 2,701	18,192 2,715	17,441 2,721	-0.1 -0.5	4.3 -0.2	-0.6 0.6	17,955 2,696	18,356 2,729	17,620 2,722	18,283 2,696	-1.8 0.0
FINISHED GOODS	2,701	2,1.10	2,721	0.0	0.2	0.0	2,000	2,720	_,,	2,000	0.0
All manufacturing industries	227,972	229,121	229,143	0.5	0.0	-0.2	231,501	230,739	228,565	233,772	-1.0
-											
Durable goods industries Wood products	109,289 4,387	109,821 4,388	109,603 4,368	-0.5 0.0	0.2 0.5	0.0 1.1	110,137 4,300	110,151 4,293	108,665 4,368	107,880 4,166	2.1 3.2
Nonmetallic mineral products	6,469	6,462	6,505	0.0	-0.7	-0.6	6,413	6,427	6,607	6,493	-1.2
Primary metals	11,312 18,351	11,488 18,323	11,594 18,217	-1.5 0.2	-0.9 0.6	-1.5 0.1	11,306 18,263	11,357 18,425	11,518 18,345	12,330 16,728	-8.3 9.2
Fabricated metal products Machinery	20,618	20,814	20,911	-0.9	-0.5	-0.1	20,729	20,868	20,800	21,144	-2.0
Computers and electronic products	11,203	11,283	11,245	-0.7	0.3	-1.4	11,618	11,272	10,852	11,589	0.3
Electrical equipment, appliances, and components	6,184	6,163	6,118	0.3	0.7	0.4	6,288	6,322	6,185	5,961	5.5
Transportation equipment	17,133	17,275	17,056	-0.8	1.3	0.2	17,356	17,456	16,495	15,830	9.6
Furniture and related products Miscellaneous products	2,458 11,174	2,425 11,200	2,411 11,178	1.4 -0.2	0.6 0.2	2.3 1.5		2,561 11,170	2,547 10,948	2,367 11,272	8.7 0.2
Nondurable goods industries	118,683	119,300	119,540	-0.2	-0.2	-0.4		120,588	119,900	125,892	-3.6
Food products	29,293	29,262	28,811	-0.5	-0.2	-0.4 -1.9		29,486	28,308	31,124	-3.6
Beverage and tobacco products	7,617	7,668	7,649	-0.7	0.2	0.3	7,854	7,928	7,799	7,666	2.5
Textiles Textile products	1,303 1,392	1,302 1,385	1,301 1,383	0.1 0.5	0.1 0.1	-0.3 0.4	1,298 1,401	1,306 1,386	1,306 1,396	1,321 1,488	-1.7 -5.8
Apparel	1,427	1,400	1,335	1.9	4.9	0.1	1,538	1,500	1,334	1,351	13.8
Leather and allied products Paper products	505 6,733	511 6,754	516 6,763	-1.2 -0.3	-1.0 -0.1	-3.6 0.6	517 6,813	517 6,762	530 6,749	521 6,824	-0.8 -0.2
Printing	1,600	1,589	1,613	0.7	-0.1	0.8		1,639	1,687	1,529	-0.2
Petroleum and coal products	17,480	18,333 39,079	18,894 39,253	-4.7 0.5	-3.0 -0.4	-2.3 1.0		18,964 39,228	19,406 39,279	23,026 39,129	-21.9 1.4
Chemical products	39,276										

<sup>p</sup> Preliminary <sup>r</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.

See note at end of Table 2 relating to survey error and revisions.

# Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group <sup>1</sup>

	Inve	ntory/Ship	oments ra	tio	Unfille	d Orders/	/Shipments ratio <sup>2</sup>			
Industry	Aug 2015 <sup>p</sup>	Jul 2015 <sup>r</sup>	Jun 2015	May 2015	Aug 2015 <sup>p</sup>	Jul 2015 <sup>r</sup>	Jun 2015	May 2015		
All manufacturing industries <sup>3</sup>	1.35	1.34	1.35	1.35	(X)	(X)	(X)	(X)		
Durable goods industries <sup>3</sup>	1.65 1.38 1.34 1.79 1.64 1.97 1.56 1.64 1.64 1.13 1.60	1.65 1.39 1.33 1.79 1.64 1.98 1.58 1.60 1.63 1.12 1.60	1.67 1.42 1.36 1.77 1.64 1.97 1.57 1.63 1.68 1.13 1.68	1.77 1.64 2.00 1.56 1.61 1.69	(X) 1.74 2.83 3.58 5.91 2.41 14.65	6.89 (X) (X) 1.72 2.84 3.59 5.88 2.36 14.86 1.37 (X)	6.92 (X) 1.69 2.84 3.58 5.94 2.43 15.12 1.41 (X)	6.99 (X) 1.68 2.82 3.66 6.01 2.41 15.47 1.45 (X)		
Nondurable goods industries	1.04 0.81 1.60 1.27 1.53 2.25 1.85 1.03 0.79 0.76 1.28 1.28	1.04 0.80 1.62 1.27 1.52 2.25 1.86 1.04 0.78 0.75 1.28 1.28	1.03 0.80 1.61 1.26 1.54 2.23 1.88 1.04 0.80 0.73 1.28 1.28	0.80 1.60 1.28 1.57 2.23 1.89 1.03 0.80 0.74 1.29	888888888888	8888888888888	8888888888888	(X)		

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]

X Not Applicable Preliminary Revised data due to late receipts and concurrent seasonal adjustment.

<sup>2</sup> Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

<sup>3</sup> Unfilled orders to shipments ratio excludes semiconductor manufacturing.

#### Table 8. Revisions to Previously Published Monthly Percent Changes <sup>1</sup>

[Based on Seasonally Adjusted data from the Manufacturers' Shipments, Inventories, and Orders Survey.]											
	Ship	ments	New C	Orders	Unfilled	Orders	Inven	tories			
Industry	Aug <sup>2</sup> 2015	Aug <sup>3</sup> 2014- Jul 2015	Aug <sup>2</sup> 2015	Aug <sup>3</sup> 2014- Jul 2015	Aug <sup>2</sup> 2015	Aug <sup>3</sup> 2014- Jul 2015	Aug <sup>2</sup> 2015	Aug <sup>3</sup> 2014- Jul 2015			
All manufacturing industries	(X)	0.2	(X)	0.3	(X)	0.1	(X)	0.1			
Durable goods industries	-0.2 (X) (X) -0.3 -0.1 -0.1 -0.1 -0.2 (X) (X)	0.2 0.7 0.5 0.5 0.2 0.6 0.3 0.4 0.4 0.4 0.4 0.4	-0.3 (X) (X) -0.2 -0.3 -0.3 0.2 -0.4 (X) (X)	0.6 (NA) (NA) 1.1 0.3 0.7 0.6 0.9 1.2 0.6 0.8	0.0 (X) (X) -0.1 0.0 0.0 0.0 0.2 0.2 (X) (X)	0.1 (NA) (NA) 0.5 0.1 0.1 0.1 0.3 0.1 0.6 0.4	0.0 (X) (X) 0.0 -0.1 0.0 -0.2 -0.2 -0.2 0.0 (X) (X)	0.1 0.3 0.2 0.4 0.2 0.2 0.2 0.2 0.2 0.1 0.3 0.3			
Nondurable goods industries	888888888888888888888888888888888888888	0.2 0.3 0.6 0.5 2.2 1.2 1.0 0.4 0.5 0.6 0.4 0.2	888888888888888888888888888888888888888	(NA) (NA) (NA) (NA) (NA) (NA) (NA) (NA)	888888888888888888888888888888888888888	(ZA) (ZA) (ZA) (ZA) (ZA) (ZA) (ZA) (ZA)	888888888888888888888888888888888888888	0.3 0.2 0.4 0.4 0.6 0.6 0.2 0.4 1.4 0.2 0.2			

#### X Not Applicable

#### NA Not Available

<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> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

<sup>3</sup> The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month. This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey, which is a voluntary survey authorized by Title 13 of the United States Code. This survey provides statistics on a calendar-month basis for 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). Data published from the M3 survey are based on a panel of approximately 4,800 reporting units that represent approximately 3,000 companies and provide an indication of month-to-month change for the Manufacturing Sector. These reporting units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 92 industry categories, which are combined into 65 publication levels due to the small monthly panel size. The survey methodology assumes that the month-to-month changes of the total operations of the reporting units in the M3 panel effectively represent the month-to-month movements of all establishments that make up the category.

The companies for which shipments data are currently reported or imputed in the M3 survey represent approximately 61 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census, and these companies include almost two-thirds of the manufacturing companies with \$500 million or more in shipments in the 2012 Economic Census. The companies for which shipments data are currently reported in the M3 survey represent approximately 54 percent of the total value of shipments for manufacturing establishments in the 2012 Economic Census. Statistics based on the M3 panel differ from the results that would be obtained from a complete enumeration of all manufacturing companies. The M3 panel is not based on 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: <u>http://www.census.gov/m3</u>.