

**MANUFACTURING PRODUCTION, AUSTRALIA
TRANSPORT EQUIPMENT
NOVEMBER 1990**

PHONE INQUIRIES

- *about these statistics and the availability of related unpublished statistics*—contact Kevin Squair on Canberra (06) 252 5558 or any ABS State office.
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TABLE 1. ASSEMBLED, COMPLETE MOTOR VEHICLES(a)
(number)

Period	Cars and station wagons					Other passenger vehicles (781.28, 783.12)	Vehicles for transportation of goods and materials(b)(c)		
	Cars (781.20)	Station wagons (781.29)	Total		Original (782.17, 783.20)		Seas. adj.(d)	Trend(e)	
			Original	Seas. adj.(d)					
1987-88	253,768	61,107	314,875	..	..	681	22,717	..	..
1988-89	269,392	63,778	333,170	..	..	687	30,655	..	..
1989-90	r321,445	64,586	r386,031	..	..	687	r27,016	..	..
1989—									
September	28,847	6,618	35,465	32,553	30,971	57	2,604	2,453	2,407
October	28,577	6,509	35,086	31,499	31,324	64	2,686	2,481	2,456
November	29,812	6,332	36,144	30,700	32,042	53	2,767	2,539	2,484
December	20,398	3,789	24,187	28,643	32,987	58	1,844	2,256	r2,469
1990—									
January	10,344	2,321	12,665	39,612	33,878	33	1,132	2,809	2,410
February	27,534	5,104	32,638	34,087	34,434	62	2,162	2,139	2,318
March	30,649	6,186	36,835	34,810	34,626	63	2,518	2,184	2,222
April	25,537	4,524	30,061	33,859	34,464	49	1,839	2,081	2,130
May	34,135	5,928	40,063	33,988	34,135	70	2,509	2,110	2,049
June	28,759	5,178	33,937	33,809	33,724	64	2,027	1,945	1,859
July	32,132	5,003	37,135	32,979	(f)	41	1,975	r1,879	(f)
August	29,733	5,434	35,167	29,729	..	37	r2,371	1,998	..
September	20,745	3,240	23,985	22,315	..	35	1,607	1,532	..
October	r25,788	r4,275	r30,063	r26,291	..	37	2,320	2,042	..
N vember	23,465	4,760	28,225	24,243	..	36	1,547	r1,463	..
1989-90: July to Nov.									
1990-91: July to Nov.	144,089	31,556	175,645	..	..	288	12,985	..	..
	131,863	22,712	154,575	..	..	186	9,820	..	..

(a) Excludes conversions of existing vehicles. (b) Includes utilities, panel vans, prime movers for semi-trailers and units consisting of chassis, engine and cabs produced for sale and transfer out as such. (c) Excludes off-highway trucks (e.g. dump wagons), materials handling trucks (e.g. forklift trucks) and semi-trailers. (d) See paragraph 5, Explanatory Notes. (e) See paragraph 6 to 9, Explanatory Notes. (f) The trend estimates from July 1990 onwards have been temporarily suspended because recent factory shutdowns have adversely affected their reliable estimation. However, these influences are not expected to affect the reliability of the seasonally adjusted series.

TABLE 2. MOTOR BODIES(a)
(number)

Period	For vans			For trucks			For passenger vehicles, for 10 persons or more (784.41)
	Refrigerated (784.22)	Insulated (chiller) (784.23)	Other(b) (784.24)	Trays (784.26)	Tipper (784.27)	Concrete mixers (784.43)	
1987-88	118	220	1,782	11,188	1,576	508	658
1988-89	113	234	2,596	17,406	1,792	695	711
1989-90	99	118	2,326	18,734	2,012	778	495
1987—							
September qtr	24	49	448	2,582	422	109	151
December qtr	51	52	479	2,678	443	122	161
1988—							
March qtr	15	65	304	2,720	300	136	145
June qtr	28	54	551	3,208	411	141	201
September qtr	16	56	632	3,974	416	165	202
December qtr	31	55	707	3,818	473	165	189
1989—							
March qtr	34	60	523	4,456	379	173	145
June qtr	32	63	734	5,158	524	192	175
September qtr	30	26	593	4,835	520	198	167
December qtr	22	31	699	4,446	548	214	136
1990—							
March qtr	19	25	479	4,712	445	187	87
June qtr	28	36	555	4,741	499	179	105
September qtr	35	34	501	4,107	462	170	81

(a) Built up for sale or transfer out as such. Excludes bodies produced by motor vehicle manufacturers for use in their own plant, body panels, cabs, conversions or any work done on old vehicles. (b) Including dry freight.

TABLE 3. SEMI-TRAILERS AND TWO WHEEL TRAILERS
(number)

Period	Semi-trailers					Trailers—two wheel(a)		
	Flat top (786.26)	Curtain-sided (786.46)	Tanker (786.22)	Tipper (786.27)	Low loader or insulated (786.28) (786.42, 43)	Van		Boat type (786.24)
						Refrigerated (786.44)	Other(b) (786.44)	
1987-88	1,420	n.a.	145	406	176	298	262	9,647
1988-89	1,394	378	159	463	185	n.p.	309	12,417
1989-90	1,426	638	178	527	166	328	287	14,506
1987—								
September qtr	358	n.a.	38	109	37	81	42	2,398
December qtr	348	n.a.	42	101	66	76	55	2,435
1988—								
March qtr	350	n.a.	21	77	41	62	66	2,221
June qtr	364	n.a.	44	119	32	79	99	2,593
September qtr	350	83	37	125	38	69	82	2,687
December qtr	356	85	46	130	41	71	73	3,212
1989—								
March qtr	336	83	27	92	37	54	74	3,272
June qtr	352	127	49	116	69	n.p.	80	3,246
September qtr	496	183	46	120	59	64	83	3,759
December qtr	376	176	47	194	44	123	69	5,002
1990—								
March qtr	276	95	38	106	27	64	64	3,097
June qtr	278	184	47	107	36	77	71	2,648
September qtr	189	130	56	90	40	61	62	2,642

(a) Including complete trailer kits. (b) Including dry freight.

TABLE 4. CARAVANS AND CAMPER TRAILERS, PRIVATE OR DOMESTIC TYPE
(number)

Period	Caravans, private or domestic type						Total	Campers trailers of private or domestic type (786.17)
	4.6 m and under (786.11)	Over 4.6 m up to and including 5.2 m (786.12)	Over 5.2 m up to and including 6.1 m (786.13)	Over 6.1 m up to and including 7.6 m (786.14)	Over 7.6 m up to and including 9.8 m (786.15)	Over 9.8 m (786.16)		
1987-88	2,351	1,779	846	782	155	69	5,982	1,816
1988-89	2,212	1,631	790	750	n.p.	n.p.	5,640	1,528
1989-90	1,294	1,032	635	385	n.p.	n.p.	3,462	1,078
1987—								
September qtr	643	491	206	223	53	38	1,654	584
December qtr	589	481	245	178	40	15	1,548	418
1988—								
March qtr	489	334	185	189	n.p.	n.p.	1,220	439
June qtr	630	473	210	192	n.p.	n.p.	1,560	375
September qtr	618	544	202	221	n.p.	n.p.	1,713	452
December qtr	663	414	214	183	n.p.	n.p.	1,535	394
1989—								
March qtr	352	294	162	162	25	6	1,001	321
June qtr	579	379	212	184	n.p.	n.p.	1,391	361
September qtr	513	329	183	148	n.p.	n.p.	1,210	250
December qtr	249	191	138	103	n.p.	n.p.	722	218
1990—								
March qtr	244	293	151	67	n.p.	n.p.	774	267
June qtr	288	219	163	67	n.p.	n.p.	756	343
September qtr	229	216	175	51	n.p.	n.p.	703	269

EXPLANATORY NOTES

Introduction

This publication is one of a series of ten containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 10.

Classification

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Most items are identified by the commodity codes used in Australian Standard Commodity Classification (ASCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics.

Scope and coverage

3. Manufacturing commodity statistics collected by the ABS exclude details relating to single establishment manufacturing enterprises with fewer than four persons employed and production of establishments predominantly engaged in non-manufacturing activities but which may carry on, in a minor way, some manufacturing. However, except for a few commodities, the effect on production levels and movements is marginal.

4. Annual figures shown in this publication are derived by aggregating monthly/quarterly production and relate to production during the year ended 30 June. They may differ from annual manufacturing census data which relate to the census year and, in the case of businesses unable to

report on a June year basis, include details in respect of substitute accounting periods.

Seasonal adjustment and trend estimates

5. This publication contains seasonally adjusted statistics. In the seasonal adjustment, account has been taken not only of normal seasonal factors but also, where appropriate, of 'working-day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays etc. in the month) and the influence of Easter and Australia Day which may, in successive years, affect figures for different months. However, care should be exercised in interpreting the figures for those months in which Christmas/New Year and Easter holidays fall as some manufacturers vary holiday shutdowns in the light of prevailing demand for their products. Details of the methods used in seasonally adjusting these and other series are available on request.

6. The smoothing of seasonally adjusted series to create trend estimates is a means of reducing the impact of the irregular component of the series. The trend estimates have been derived by applying a 13-term Henderson weighted moving average to the seasonally adjusted series.

7. While this smoothing technique enables estimates of trend to be produced for the latest month, it does result in revisions to the estimates for the most recent months as data for subsequent months become available. Generally subsequent revisions become smaller and after 3 months have little impact on the series. There will also be revisions as a result of revisions to the original estimates and annual reviews of seasonal and 'working day' factors.

8. Because of the highly irregular nature of some production series it is not possible to discern with reasonable confidence the current direction of the trend at the end of these series. For such highly irregular series the ABS does not provide the last two trend estimates.

9. Users may wish to refer to the ABS Information Papers *A Guide to Smoothing Time Series — Estimates of 'Trend'* (1316.0) and *Time Series Decomposition — An Overview* (1317.0) for more detailed information on smoothing of seasonally adjusted time series data.

Related publications

10. Other ABS publications which may be of interest are:

Manufacturing Production, Australia, Preliminary (8301.0)—issued monthly

Manufacturing Production, Australia, Household Appliances and Electrical Equipment (8357.0)—issued monthly

Manufacturing Production, Australia, Clothing and Footwear (8358.0)—issued monthly

Manufacturing Production, Australia, Food, Drink, Tobacco, Stock and Poultry Food (8359.0)—issued monthly

Manufacturing Production, Australia, Fibres, Yarns, Fabrics, Bedding and Floor Coverings (8360.0)—issued monthly

Manufacturing Production, Australia, Building Materials and Fittings (8361.0)—issued monthly

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Manufacturing Production, Australia, Metal Products (8367.0)—issued monthly

Manufacturing Production, Australia, Energy Products (8368.0)—issued monthly

Manufacturing Production, Australia, Wood and Wood Products (8369.0)—issued monthly

Manufacturing Commodities : Selected Principal Articles Produced, Australia, 1986-87, Preliminary (8365.0)

Manufacturing Commodities : Principal Articles Produced, Australia, 1986-87 (8303.0)

11. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The *Catalogue and Publications Advice* are available from any ABS office.

Symbols and other usages

- | | |
|--------|--|
| n.y.a. | not yet available |
| n.p. | not available for separate publication (but included in totals where applicable) |
| n.a. | not available |
| . | not applicable |
| r | revised since previous issue |

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