

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

PHONE INQUIRIES

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ELECTRONIC

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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)	Trend(e)				
1987-88	253,768	61,107	314,875	..	..	681	22,717	..	..
1988-89	269,392	63,778	333,170	..	..	687	30,655	..	..
1989-90	321,445	64,586	386,031	..	..	687	27,016	..	..
1989—									
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	2,469
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	1,889
July	32,132	5,003	37,135	32,979	(f)	41	1,975	1,879	(f)
August	29,733	5,434	35,167	29,729	..	37	2,371	1,998	..
September	20,745	3,240	23,985	22,315	..	35	1,607	1,532	..
October	25,788	4,275	30,063	26,291	..	37	2,320	2,042	..
November	23,465	4,760	28,225	24,243	..	r34	r1,551	r1,467	..
December	16,291	3,847	20,138	23,765	..	28	1,172	1,431	..
1989-90: July to Dec.	164,487	35,345	199,832	..	..	346	14,829	..	..
1990-91: July to Dec.	148,154	26,559	174,713	..	..	212	10,996	..	..

(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 severely 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 r	115	126	2,480	19,207	2,066	779	495
1987—							
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 r	32	27	658	4,994	531	199	167
December qtr r	34	32	734	4,551	560	214	136
1990—							
March qtr r	20	29	523	4,824	462	187	87
June qtr r	29	38	565	4,838	513	179	105
September qtr r	37	35	536	4,270	493	170	82
December qtr	32	26	583	3,461	508	113	76
1989-90: July to Dec.	66	59	1,392	9,545	1,091	413	303
1990-91: July to Dec.	69	61	1,119	7,731	1,001	283	158

(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)	Van			Box type (under 1 tonne load capacity) (786.23)	Boat type (786.24)
					Low loader or insulated (786.28)	Refrigerated (786.42,43)	Other(b) (786.44)		
1987-88	1,420	n.a.	145	406	176	298	262	9,647	6,522
1988-89 r	1,421	471	159	463	160	n.p.	305	12,389	7,630
1989-90 r	1,400	658	178	538	151	318	267	14,599	5,893
1987—									
December qtr	348	n.a.	42	101	66	76	55	2,435	2,184
1988—									
March qtr	350	n.a.	21	77	41	62	66	2,221	1,444
June qtr	364	n.a.	44	119	32	79	99	2,593	1,272
September qtr	350	83	37	125	38	69	82	2,687	1,913
December qtr	356	85	46	130	41	71	73	3,212	2,241
1989—									
March qtr	336	131	27	92	27	54	72	3,272	1,790
June qtr	r379	172	54	78	54	n.p.	78	3,218	1,686
September qtr	r447	182	46	r123	44	64	63	3,800	1,512
December qtr	376	176	47	r199	44	r113	69	5,007	1,743
1990—									
March qtr	r299	r116	38	107	27	64	64	3,106	1,436
June qtr	278	184	47	109	36	77	71	2,686	1,202
September qtr	r175	130	56	106	r42	61	r63	2,682	r1,253
December qtr	151	87	50	84	15	40	80	2,388	1,496
1989-90: July to Dec.	823	358	93	322	88	177	132	8,807	3,255
1990-91: July to Dec.	326	217	106	190	57	101	143	5,070	2,749

(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						Camper trailers of private or domestic type
	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
1988-89 r	2,257	1,650	800	764	n.p.	n.p.	5,729
1989-90 r	1,439	960	670	429	n.p.	n.p.	3,615
1987—							
December qtr	589	481	245	178	40	15	1,548
1988—							
March qtr	489	334	185	189	n.p.	n.p.	1,220
June qtr	630	473	210	192	n.p.	n.p.	1,560
September qtr	618	544	202	221	n.p.	n.p.	1,713
December qtr	663	414	214	183	n.p.	n.p.	1,535
1989—	r	r	r	r		r	
March qtr	361	298	164	167	25	6	1,021
June qtr	615	394	220	193	n.p.	n.p.	1,460
September qtr	559	353	188	164	n.p.	n.p.	1,301
December qtr	309	206	147	112	n.p.	n.p.	815
1990—	r	r	r	r		r	
March qtr	239	163	157	75	n.p.	n.p.	653
June qtr	332	238	178	78	n.p.	n.p.	846
September qtr	271	231	184	69	n.p.	n.p.	792
December qtr	202	200	125	43	14	5	589
1989-90: July to Dec.	868	559	335	276	n.p.	n.p.	2,116
1990-90: July to Dec.	473	431	309	112	n.p.	n.p.	1,381

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

Manufacturing Production, Australia, Plastics, Rubber, Paint, Detergents and Industrial Chemicals (8362.0)—issued monthly

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.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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