



# **Manufacturing Production Australia**

## **Transport Equipment**

**January - March 1994**

**Catalogue No. 8363.0**

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**MANUFACTURING PRODUCTION, AUSTRALIA**  
**TRANSPORT EQUIPMENT**  
**JANUARY - MARCH 1994**

**IAN CASTLES**  
**Australian Statistician**

**AUSTRALIAN BUREAU OF STATISTICS**

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### INQUIRIES

- *for further information about statistics in this publication and the availability of related unpublished statistics, contact Rod Smith on Melbourne (03) 615 7635 or any ABS office.*
  - *for information about other ABS statistics and services please refer to the back page of this publication.*
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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) 783.20)	Trend(e)	
			Original	Seas. adj(d)					
1990-91	262,875	47,786	310,661	..	..	433	17,666	..	..
1991-92	221,561	47,273	268,834	..	..	634	14,550	..	..
1992-93	217,218	57,425	274,643	..	..	675	15,459	..	..
1993 —				r	r				
January	8,059	2,132	10,191	22,966	21,612	20	636	1,532	1,464
February	17,931	5,228	23,159	23,735	22,138	56	1,343	1,382	1,496
March	21,243	6,354	27,597	24,481	22,690	63	1,554	1,366	1,500
April	16,544	4,472	21,016	24,018	23,114	53	1,700	1,925	1,488
May	19,335	5,665	25,000	22,751	23,254	52	1,547	1,355	1,467
June	19,159	4,710	23,869	21,787	23,175	80	1,344	1,153	r 1,473
July	20,736	5,259	25,995	23,022	23,122	57	1,720	1,649	1,526
August	21,880	5,757	27,637	24,217	23,247	62	1,877	1,672	r 1,622
September	21,577	5,341	26,918	23,918	23,795	67	1,752	1,557	r 1,739
October	19,141	5,451	24,592	23,291	24,498	52	2,223	1,901	r 1,852
November	22,569	5,413	27,982	25,090	25,152	67	2,172	2,287	1,926
December	16,987	4,133	21,120	26,410	25,676	47	r 1,549	r 1,794	1,958
1994 —									
January	9,694	2,284	11,978	26,792	26,086	19	803	1,924	1,977
February	21,555	4,457	26,012	26,644	26,352	60	1,857	1,914	n.y.a.
March	24,143	5,405	29,548	25,328	26,525	59	2,358	2,066	n.y.a.
1992-93: July to Mar.	162,180	42,578	204,758	..	..	490	10,868	..	..
1993-94: July to Mar.	178,282	43,500	221,782	..	..	490	16,311	..	..

(a) Excludes conversions of existing vehicles. (b) Includes utilities, panel vans, prime movers for semi-trailers and units consisting of chassis, engine and cab 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.

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(c) (784.26)	Tipplers (784.27)	Concrete mixers (784.43)	
1990-91	91	204	1,870	r 5,898	1,708	473	288
1991-92	71	160	1,414	r 5,180	1,449	n.p.	295
1992-93	49	136	r 1,564	r 5,501	1,490	728	317
1991—							
June qtr	21	34	391	r 1,416	355	98	78
September qtr	17	40	412	r 1,201	407	141	76
December qtr	11	47	393	r 1,207	357	143	62
1992—							
March qtr	21	51	280	r 1,399	332	126	81
June qtr	22	22	329	r 1,373	353	n.p.	76
September qtr	10	45	415	r 1,368	360	n.p.	53
December qtr	15	41	r 412	r 1,503	404	n.p.	93
1993—							
March qtr	13	27	307	r 1,273	328	146	72
June qtr	11	23	430	r 1,357	398	211	99
September qtr	r 44	r 25	r 435	r 1,387	r 394	185	103
December qtr	32	35	r 404	r 1,345	r 401	116	89
1994—							
March qtr	37	29	277	1,224	390	112	67
1992-93: July to Mar.	38	113	1,134	4,144	1,092	517	218
1993-94: July to Mar.	113	89	1,116	3,956	1,185	413	259

(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. (c) Series has been revised due to misreporting by contributors to this item.

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 (786.28)	Refrigerated or insulated (786.42,43)	Other(b) (786.44)	Box type (under 1 tonne load capacity) (786.23)	Boat type (786.24)
1990-91	552	395	253	290	86	156	293	11,067	5,101
1991-92	494	498	223	254	r 67	196	r 297	10,270	5,107
1992-93	564	540	205	r 322	r 70	232	r 341	10,663	6,613
1991—									
June qtr	124	100	63	45	18	30	49	2,372	1,070
September qtr	151	137	64	64	18	25	r 90	2,711	1,353
December qtr	117	118	71	62	26	54	83	2,865	1,582
1992—									
March qtr	90	129	39	55	6	45	61	2,300	1,177
June qtr	136	114	49	73	r 17	72	r 63	2,394	995
September qtr	103	126	44	61	14	48	97	2,608	1,313
December qtr	r 119	129	48	r 85	r 25	55	r 93	2,983	2,198
1993—									
March qtr	r 136	131	44	r 78	9	60	r 61	2,702	1,427
June qtr	206	154	69	r 98	22	69	90	2,370	1,675
September qtr	227	184	65	r 143	28	93	105	2,628	2,082
December qtr	169	r 199	57	125	46	71	113	r 3,002	2,685
1994—									
March qtr	167	160	52	97	26	59	92	2,667	2,213
1992-93: July to Mar.	358	386	136	224	48	163	251	8,293	4,938
1993-94: July to Mar.	563	543	174	365	100	223	310	8,297	6,980

(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	Camper 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)		
1990-91	1,180	1,137	693	216	86	20	3,332	857
1991-92	1,152	1,153	749	178	n.p.	n.p.	3,283	944
1992-93	1,356	1,458	761	r 235	r 42	r 7	r 3,859	1,065
1991—								
June qtr	341	342	174	61	14	4	936	255
September qtr	322	319	167	26	n.p.	n.p.	853	254
December qtr	290	278	186	46	n.p.	n.p.	819	241
1992—								
March qtr	166	209	198	43	6	—	622	194
June qtr	374	347	198	63	n.p.	n.p.	989	255
September qtr	355	364	166	44	n.p.	n.p.	942	268
December qtr	378	331	217	52	n.p.	n.p.	995	262
1993—								
March qtr	240	345	172	52	n.p.	n.p.	813	219
June qtr	383	418	206	r 87	n.p.	n.p.	r 1,109	316
September qtr	406	380	327	82	n.p.	n.p.	1,205	330
December qtr	r 366	384	r 331	r 60	20	—	r 1,161	275
1994—								
March qtr	238	378	285	42	n.p.	n.p.	999	244
1992-93: July to Mar.	973	1,040	555	148	28	6	2,750	749
1993-94: July to Mar.	1,010	1,142	943	184	n.p.	n.p.	3,365	849



## 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 quarterly

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

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

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

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*Manufacturing Production, Australia, Metal Products* (8367.0)—issued quarterly

*Manufacturing Production, Australia, Energy Products* (8368.0)—issued quarterly

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

*Manufacturing Production, Australia: Principal Commodities Produced, 1989-90* (8365.0).

Unpublished production data is also available from the ABS Sydney office. Please contact Colin Nicholson on (02) 268 4282.

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)
- .. not applicable
- r revised since previous issue
- nil or rounded to zero



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