

REGISTRATIONS OF NEW MOTOR VEHICLES, AUSTRALIA OCTOBER 1992, PRELIMINARY

MAIN FEATURES

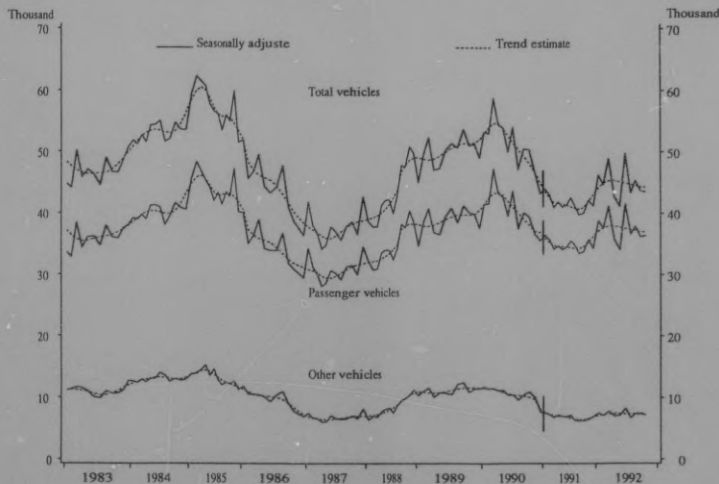
Despite a fall of 0.3 per cent in seasonally adjusted terms, the trend estimate for total registrations in October remained level with the previous month.

In unadjusted terms, new motor vehicle registrations for October 1992 totalled 44,453 vehicles, a fall of 6.7 per cent from September 1992. Only Victoria (up 10.3 per cent) and the Northern Territory (up 21.1 per cent) recorded increases during the month while Queensland and New South Wales recorded the largest falls (22.1 and 10.3 per cent, respectively).

The original, seasonally adjusted and trend estimates of total new motor vehicle registrations for October 1991, September 1992 and October 1992 are:

	October 1991	September 1992	October 1992	Oct. 91-Oct. 92 % change	Sept. 92-Oct. 92 % change
Original	42,986	47,653	44,453	+3.4	-6.7
Seasonally adjusted	40,007	43,653	43,505	+8.7	-0.3
Trend	40,976	44,287	44,274	+8.0	0.0

REGISTRATIONS OF NEW MOTOR VEHICLES



INQUIRIES

- * for further information about statistics in this publication and the availability of related unpublished statistics contact Kevin Yeadon on Canberra (06) 252 6255 or any ABS State office.
- * for information about other ABS statistics and services please contact Information Services on Canberra (06) 252 6627, 252 5402, 252 6007 or any ABS State office.

TABLE 1. NEW MOTOR VEHICLES BY TYPE OF VEHICLE, ORIGINAL, SEASONALLY ADJUSTED AND TREND ESTIMATE, AUSTRALIA

Period	Passenger vehicles(a)			Other vehicles(b)			Total(b)		
	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate
1991-92 —									
August	36,220	34,899	34,345	6,187	6,267	6,498	42,407	41,166	40,843
September	34,306	33,522	34,202	6,088	6,250	6,395	40,394	39,772	40,686
October	36,339	33,782	34,553	6,647	6,225	6,423	42,986	40,007	40,976
November	35,387	35,685	35,296	6,472	6,429	6,598	41,859	42,114	41,895
December	35,272	34,360	36,205	6,109	6,893	6,835	41,381	41,253	43,040
January	32,293	38,770	37,078	6,008	7,498	7,089	38,301	46,268	44,167
February	34,478	37,592	37,687	6,681	7,110	7,285	41,159	44,701	44,972
March	43,001	41,143	37,953	8,289	7,772	7,382	51,290	48,915	45,535
April	32,768	35,754	37,942	6,500	6,985	7,407	39,268	42,739	45,349
May	34,685	34,061	37,769	7,623	7,103	7,385	42,308	41,164	45,154
June	43,962	41,543	37,555	9,343	8,211	7,358	53,305	49,754	44,913
1992-93 —									
July	39,578	36,669	37,407	7,623	6,678	7,340	47,201	43,347	44,747
August	37,462	37,917	37,253	7,095	7,449	7,318	44,557	45,366	44,571
September	40,037	36,229	37,001	7,616	7,424	7,285	47,653	43,653	44,287
October(p)	37,123	36,365	36,984	7,330	7,140	7,290	44,453	43,505	44,274

(a) See paragraph 8 of the Explanatory Notes. (b) Excludes motor cycles, plant and equipment, caravans and trailers. (p) Preliminary.

TABLE 2. NEW MOTOR VEHICLES BY TYPE OF VEHICLE, AUSTRALIA

Period	Passenger vehicles(a)	Light commercial vehicles(a)	Trucks			Buses	Total (excludes motor cycles)	Motor cycles
			Rigid	Articulated	Non-freight carrying			
1991-92 —								
August	36,220	4,892	821	153	65	256	42,407	1,184
September	34,306	4,793	820	124	50	301	40,394	1,143
October	36,339	5,369	855	119	68	236	42,986	1,278
November	35,387	5,080	847	130	71	344	41,859	1,394
December	35,272	4,837	748	131	106	287	41,381	1,599
January	32,293	4,908	675	81	47	297	38,301	1,575
February	34,478	5,438	746	122	59	316	41,159	1,498
March	43,001	6,910	797	148	49	385	51,290	1,356
April	32,768	5,191	815	137	48	309	39,268	1,289
May	34,685	6,297	838	129	63	296	42,308	1,361
June	43,962	7,588	1,012	198	75	463	53,305	1,320
1992-93 —								
July	39,578	6,161	833	175	80	369	47,201	1,326
August	37,462	5,757	821	139	49	326	44,557	1,253
September	40,037	6,181	924	145	62	299	47,653	1,444
October(p)	37,123	5,921	880	195	87	247	44,453	1,535

(a) See paragraphs 8 of the Explanatory Notes. (p) Preliminary.

TABLE 3. NEW MOTOR VEHICLES(a), ORIGINAL, SEASONALLY ADJUSTED AND TREND ESTIMATE, STATE/TERRITORY

Period	NSW			Vic.			Qld		
	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate
1991-92 —									
August	16,385	15,629	15,091	8,824	8,770	8,701	7,419	7,483	7,582
September	14,523	14,489	15,065	8,918	8,216	8,556	7,613	7,695	7,539
October	15,777	14,767	15,154	8,739	8,212	8,634	8,103	7,332	7,572
November	16,078	16,229	15,443	8,891	8,851	9,020	7,026	7,459	7,694
December	12,448	13,075	15,760	10,098	9,851	9,568	8,446	8,395	7,866
January	16,187	19,382	16,080	7,626	9,573	10,044	6,187	7,260	8,122
February	14,219	15,328	16,411	10,249	11,318	10,283	7,437	8,167	8,325
March	18,716	17,445	16,709	11,041	11,046	10,318	10,648	10,147	8,376
April	14,281	15,971	16,531	8,891	9,412	10,167	7,177	7,666	8,343
May	15,464	14,475	16,989	9,435	9,340	9,969	8,106	7,853	8,280
June	22,981	21,088	16,823	10,684	10,001	9,863	8,824	8,490	8,253
1992-93 —									
July	17,227	15,967	16,505	10,887	9,776	9,893	8,458	7,279	8,277
August	15,777	15,580	16,005	10,551	10,946	10,028	8,384	8,988	8,357
September	15,894	14,869	15,384	10,258	8,849	10,198	10,312	9,435	8,428
October(p)	14,261	14,149	14,867	11,317	11,276	10,427	8,034	7,725	8,591

See footnotes at end of table.

TABLE 3. NEW MOTOR VEHICLES(a), ORIGINAL, SEASONALLY ADJUSTED AND TREND ESTIMATE, STATE/TERRITORY—continued

	SA			WA			Tas(b)	
	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate	Original	Trend estimate
1991-92 —								
August	3,173	3,004	3,098	4,086	3,833	3,953	896	975
September	3,041	2,957	3,079	3,729	3,936	4,041	1,122	986
October	3,570	3,262	3,078	4,441	4,004	4,155	1,021	1,003
November	3,212	3,001	3,100	4,467	4,473	4,282	950	1,023
December	2,949	2,935	3,131	4,364	4,517	4,397	1,811	1,035
January	2,610	3,394	3,153	3,941	4,393	4,478	773	1,037
February	3,024	3,187	3,163	4,195	4,387	4,507	912	1,028
March	3,489	3,184	3,157	5,013	4,775	4,481	1,049	1,013
April	2,824	3,121	3,147	4,121	4,365	4,450	769	1,000
May	2,851	2,936	3,142	4,333	4,385	4,445	852	999
June	3,438	3,234	3,148	4,603	4,244	4,473	1,062	1,017
1992-93 —								
July	3,377	3,344	3,176	4,829	4,665	4,517	1,054	1,047
August	3,101	3,069	3,210	4,487	4,476	4,569	968	(c)
September	3,525	3,206	3,240	4,995	4,977	4,613	1,267	(c)
October(p)	3,511	3,346	3,272	4,797	4,420	4,665	1,192	(c)
	NT(b)			ACT(b)			Australia	
	Original	Trend estimate	Original	Trend estimate	Original	Seasonally adjusted	Trend estimate	
1991-92 —								
August	403	368	1,221	1,076	42,407	41,166	40,843	
September	317	370	1,111	1,051	40,394	39,772	40,686	
October	423	384	1,112	996	42,986	40,007	40,976	
November	363	404	872	930	41,859	42,114	41,895	
December	403	422	862	862	41,281	41,253	43,040	
January	334	435	643	818	38,301	46,268	44,167	
February	363	439	760	816	41,159	44,701	44,972	
March	491	435	843	846	51,290	48,915	45,335	
April	404	424	801	887	39,268	42,739	45,349	
May	449	414	818	916	42,308	41,164	45,154	
June	489	412	1,224	924	53,305	49,754	44,913	
1992-93 —								
July	408	418	961	914	47,201	43,347	44,747	
August	471	(c)	818	(c)	44,557	45,366	44,571	
September	451	(c)	951	(c)	47,653	43,653	44,287	
October(p)	546	(c)	795	(c)	44,453	43,505	44,274	

(a) Excludes motor cycles, plant and equipment, caravans and trailers. (b) See paragraph 9 of the Explanatory Notes. (c) Trend estimates for this series for the most recent months are subject to significant revision and are not considered sufficiently reliable to release separately. (p) Preliminary.

EXPLANATORY NOTES

Introduction

The statistics in this publication are based on processing procedures using the new Vehicle Identification Number (VIN) adopted by the motor vehicle registration authorities (see paragraph 6). The VIN system allows more accurate classification of vehicles. As a result, data processed on this system are not strictly comparable with those processed prior to December 1990, for some States.

Scope and coverage

2. Motor vehicle registration statistics are obtained from data made available by the various State and Territory motor vehicle registration authorities and reflect the information as recorded in registration documents.

3. In these statistics registrations mean registrations processed by the motor vehicle registration authorities in the States and Territories during the period. In New South Wales, Western Australia, South Australia, Tasmania, Northern Territory and the Australian Capital Territory the figures shown depart little from

actual registrations during the period. In Victoria and Queensland advice of some registrations is often not received by the central motor vehicle registration authority until some time after the actual date of registration. For this reason a considerable number of registrations processed in a month actually relate to vehicles registered prior to that month. Because of these lags in registry processing, statistics of new motor vehicle registrations for periods as short as one month can vary significantly from actual sales of new motor vehicles for the same period.

4. The statistics include vehicles with diplomatic and consular plates and State and Commonwealth Government owned vehicles other than those belonging to the defence services.

5. Recreation vehicles such as trail bikes and sand dune buggies intended for use in public places are required to be registered in Victoria and Queensland. Particulars of these registrations are regarded as outside the scope of new motor vehicle registration statistics.

Vehicle Identification Number

6. The Vehicle Identification Number (VIN) uniquely identifies each vehicle. Embedded within this number are details of make and model together with other relevant information concerning the vehicle. The VIN is now collected by the various motor vehicle registration authorities at the time each new vehicle is registered. The VIN is passed on to the Australian Bureau of Statistics (ABS) as part of the New Motor Vehicles Registrations record.

Vehicle Classification

7. The decoding of the VIN has resulted in better identification of each vehicle's bodycode and consequently classification of vehicles to particular categories. Vehicles such as micro-buses which, in the old system, had been classified to passenger vehicles in some States but to buses in other States, are now consistently classified. Similarly, in the old system utilities and cab-chassis, which were sometimes classified to small trucks, are now consistently classified to light commercial vehicles. In addition, duplicate records, out of scope vehicles and those vehicles not registered for the first time can now be more accurately identified and therefore excluded from the statistics.

8. *Passenger vehicles* include cars, station wagons, 4wd passenger vehicles and forward control passenger vehicles. *Light commercial vehicles* are goods carrying vehicles not exceeding 3.5 tonnes gross vehicle mass. Included are utilities, panel vans, cab-chassis and forward control vehicles (whether 4wd or not).

Seasonal adjustment

9. Original and seasonally adjusted registrations of new motor vehicles are shown in Tables 1 and 3. Seasonally adjusted series are calculated for each State and Territory for the series "Passenger vehicles", "Other vehicles" and "Total vehicles", but those series for Tasmania, Northern Territory and Australian Capital Territory are not sufficiently reliable to be released in their own right, though they are included in the Australian aggregate. The component State/Territory "Passenger vehicles" and "Other vehicles" seasonally adjusted figures are summed to derive the Australian figures and the two resultant figures are summed to obtain Australian seasonally adjusted "Total vehicles".

10. Seasonal adjustment may be carried out by various methods and the results may vary slightly according to the procedure adopted. Accordingly, seasonally adjusted statistics should not be regarded as in any way definitive. In interpreting particular seasonally adjusted statistics it is important to bear in mind the methods by which they have been derived and the limitations to which the methods used are subject.

11. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series may be more clearly recognised. Seasonal adjustment procedures do not aim to remove the irregular or non-seasonal influences which may be present in any particular month, such as the effect of introducing new models, processing delays, or industrial disputes. Irregular influences that are highly volatile can make it difficult to interpret the movement of the series even after adjustment for seasonal variation.

12. The seasonally adjusted series can, however, be smoothed to reduce the impact of the irregular component in the adjusted series. This smoothed seasonally adjusted series is called a trend estimate. The trend estimates of motor vehicle registration statis-

tics for Australia are shown in Tables 1 and 3 and have been derived by applying a 13-term Henderson-weighted moving average to the seasonally adjusted series.

13. While this technique enables trend estimates for the latest period to be produced, it does result in revisions to the trend estimate for the most recent months as additional observations become available. There may also be revisions as a result of changes in the original data, and as a result of the re-estimation of the seasonal factors. 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

14. Users may also wish to refer to the following motor vehicle registration publications which are available on request:

Motor Vehicle Registrations, Australia (9303.0)—issued monthly

Motor Vehicle Registrations, Australia, 1990-91 (9304.0)

15. 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

p preliminary figure or series subject to revision.

— break in series.

Electronic services

DISCOVERY. Key *656# for selected current economic, social and demographic statistics

PC-AUSSTATS. Thousands of up-to-date time series are available on this ABS on-line service. For further information phone the PC-AUSSTATS Help Desk on (06) 252 6017.

TELESTATS. This service provides:

- * foreign trade statistics tailored to users' requirements. Further information is available on (06) 252 5404
- * text and tables for selected Main Economic Indicator publications. Further information is available on (06) 252 5405.

Floppy disk service

Selected ABS statistics are available on floppy disk. Further information is available on (06) 252 6684.

RICHARD MADDEN
Acting Australian Statistician

