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REGISTRATIONS OF NEW MOTOR VEHICLES, AUSTRALIA AUGUST 1989, PRELIMINARY

PHONE INQUIRIES

• *about these statistics and the availability of related unpublished statistics*— contact Choon Looi on Canberra (062) 52 5445 or any ABS State office.
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• *write to Information Services*, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any ABS State office.

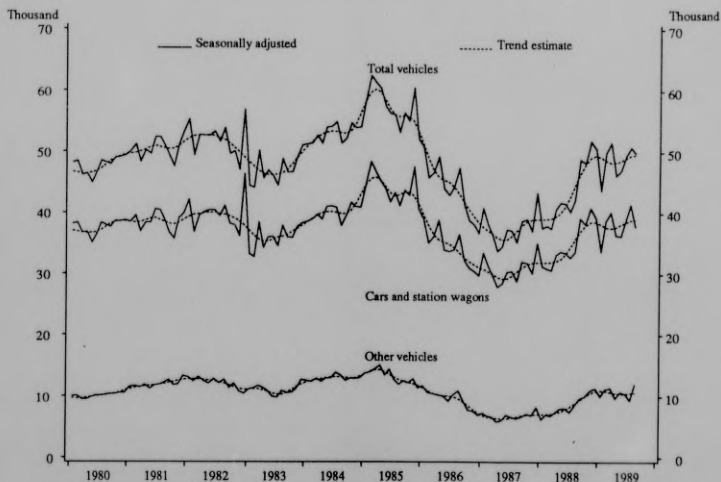
ELECTRONIC SERVICES

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MAIN FEATURES

The original, seasonally adjusted and trend estimates of total motor vehicle registrations for August 1988, July 1989 and August 1989 are:

	Aug. 1988	July 1989	Aug. 1989	Aug. 88–Aug. 89 % change	July 89–Aug. 89 % change
Original	46,187	50,246	54,652	18.3	8.8
Seasonally adjusted	42,260	50,823	49,896	18.1	-1.8
Trend	44,653	49,524	49,627	11.1	0.2

REGISTRATIONS OF NEW MOTOR VEHICLES

In seasonally adjusted terms, new motor vehicle registrations for August 1989 showed a slight decrease from July 1989. The large decrease in Victoria was almost offset by an increase in New South Wales. An increase in other vehicles offset a decrease in cars and station wagons.

TABLE 1. NEW MOTOR VEHICLES BY TYPE OF VEHICLE,
ORIGINAL, SEASONALLY ADJUSTED AND TREND ESTIMATE : AUSTRALIA, LATEST 15 MONTHS

	Motor cars and station wagons			Other vehicles(a)			Total(a)		
	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate
1987-88— June	36,796	33,528	33,287	9,652	8,102	7,869	46,448	41,629	41,156
1988-89— July	32,315	32,768	34,479	7,925	7,506	8,307	40,240	40,275	42,786
August	37,120	33,699	35,817	9,067	8,561	8,836	46,187	42,261	44,653
September	40,515	39,151	37,051	9,556	9,660	9,436	50,071	48,811	46,487
October	36,428	38,208	38,020	9,638	10,068	10,049	46,066	48,277	48,069
November	42,183	40,844	38,592	10,797	10,988	10,565	52,980	51,832	49,157
December	39,406	39,260	38,611	9,999	11,343	10,885	49,405	50,604	49,496
January	27,549	33,760	38,218	7,886	10,067	10,959	35,435	43,827	49,178
February	34,869	38,726	37,710	10,183	11,191	10,904	45,052	49,917	48,614
March	41,460	40,132	37,565	11,521	11,446	10,728	52,981	51,578	48,293
April	34,062	36,425	37,797	9,925	9,768	10,571	43,987	46,193	48,368
May	40,205	36,290	38,194	12,508	10,767	10,495	52,713	47,057	48,689
June	42,182	39,286	38,567	12,103	10,340	10,506	54,285	49,626	49,073
1989-90— July r	40,240	41,409	38,929	10,006	9,414	10,595	50,246	50,823	49,524
August p	42,080	37,865	38,960	12,572	12,031	10,667	54,652	49,896	49,627

(a) Excludes motor cycles, tractors, plant and equipment, caravans and trailers.

TABLE 2. NEW MOTOR VEHICLES BY TYPE OF VEHICLE : AUSTRALIA
LATEST 15 MONTHS

	Motor cars and station wagons		Panel vans	Trucks		Other truck type vehicles(a)	Buses	Total (excludes motor cycles)	Motor cycles
	Utilities			Rigid	Articulated				
1987-88— June	36,796	3,269	2,182	3,102	333	119	647	46,448	1,414
1988-89— July	32,315	2,760	1,897	2,418	242	132	476	40,240	1,043
August	37,120	3,352	1,948	2,848	262	154	503	46,187	1,455
September	40,515	3,344	2,239	2,943	380	144	506	50,071	1,429
October	36,428	3,538	2,172	2,943	311	141	533	46,066	1,429
November	42,183	3,946	2,389	3,328	361	170	603	52,980	1,862
December	39,406	3,520	2,281	3,094	279	191	634	49,405	1,834
January	27,549	2,917	1,848	2,257	317	95	452	35,435	1,574
February	34,869	3,666	2,511	3,143	239	103	521	45,052	1,507
March	41,460	4,123	2,652	3,673	296	144	633	52,981	1,960
April	34,062	3,528	2,378	3,124	288	106	501	43,987	1,508
May	40,205	4,838	2,999	3,583	295	141	652	52,713	1,899
June	42,182	4,683	2,657	3,552	382	149	680	54,285	1,628
1989-90— July r	40,240	3,662	2,006	3,398	319	151	470	50,246	1,592
August p	42,080	4,504	2,943	4,008	351	171	595	54,652	1,569

(a) Non-freight carrying vehicles.

TABLE 3. NEW MOTOR VEHICLES(a), ORIGINAL, SEASONALLY ADJUSTED AND TREND ESTIMATE:
STATE / TERRITORY, LATEST 15 MONTHS

	NSW			Vic.			Qld		
	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate
1987-88— June	17,455	15,408	15,043	10,890	10,167	10,189	7,807	6,687	6,798
1988-89— July	15,495	15,222	15,577	9,237	9,152	10,657	6,735	6,889	7,178
August	15,130	13,815	16,229	13,655	12,171	11,209	7,936	7,320	7,554
September	19,182	18,605	16,917	12,012	11,633	11,732	8,334	8,102	7,884
October	16,889	18,209	17,512	11,169	11,133	12,220	7,824	8,629	8,128
November	18,507	17,882	14,482	14,441	14,292	12,621	8,460	8,433	8,258
December	17,620	18,446	17,986	12,500	13,763	12,718	8,193	7,941	8,290
January	13,064	16,016	17,930	8,321	10,257	12,425	5,993	7,757	8,247
February	16,775	18,407	17,752	10,850	12,203	12,023	7,783	8,696	8,207
March	18,141	18,032	17,572	13,877	14,181	11,790	9,308	8,212	8,213
April	16,413	16,901	17,446	10,474	10,221	11,838	8,186	8,186	8,261
May	20,464	18,286	17,286	11,197	9,864	12,206	8,214	8,210	8,304
June	19,090	17,229	17,120	13,761	12,939	12,704	9,209	8,181	8,329
1989-90— July r	15,401	15,057	17,009	16,417	16,559	13,237	8,376	8,769	8,350
August p	19,978	18,301	16,833	13,875	12,396	13,583	8,990	8,158	8,333

TABLE 3. NEW MOTOR VEHICLES (a), ORIGINAL, SEASONALLY ADJUSTED AND TREND ESTIMATE:
STATE / TERRITORY, LATEST 15 MONTHS — continued

	SA			WA			Tas.(b)	
	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate	Original	Trend estimate
1987-88—								
June	3,309	3,096	2,998	4,918	4,386	4,235	820	874
1988-89—								
July	2,713	2,808	3,004	4,182	4,244	4,385	831	922
August	2,920	2,737	3,044	4,330	4,233	4,533	945	973
September	3,549	3,421	3,103	4,642	4,597	4,672	1,202	1,016
October	3,095	3,086	3,155	5,028	5,011	4,798	936	1,047
November	3,671	3,346	3,181	5,546	5,444	4,909	1,112	1,062
December	3,347	3,345	3,176	4,913	4,701	4,992	1,648	1,066
January	2,321	2,916	3,172	3,883	4,478	5,041	800	1,072
February	2,767	2,954	3,200	4,813	5,309	5,055	920	1,096
March	3,607	3,421	3,273	5,599	5,327	5,048	1,074	1,129
April	2,990	3,408	3,368	4,518	5,116	5,035	926	1,157
May	3,729	3,433	3,449	5,207	4,796	5,006	1,311	1,165
June	4,010	3,762	3,497	5,588	5,005	4,955	1,210	1,156
1989-90—								
July r	3,220	3,335	3,519	4,556	4,658	4,911	1,019	(c)
August p	3,629	3,394	3,510	5,310	5,091	4,848	1,099	(c)
	NT(b)			ACT(b)			Australia	
	Original	Trend estimate		Original	Trend estimate		Original	Seasonally adjusted
1987-88—								
June	366	342	883	677	46,448	41,629	41,156	
1988-89—								
July	420	368	627	695	40,240	40,275	42,786	
August	420	392	851	719	46,187	42,260	44,653	
September	440	415	710	748	50,071	48,811	46,487	
October	435	435	690	773	46,066	48,277	48,069	
November	352	453	891	792	52,980	51,832	49,157	
December	393	464	791	808	49,405	50,604	49,496	
January	389	472	664	813	35,435	43,827	49,178	
February	432	474	712	806	45,052	49,917	48,614	
March	543	469	832	800	52,981	51,578	48,293	
April	425	458	738	806	43,987	46,193	48,368	
May	482	445	936	831	52,713	47,057	48,689	
June	562	(c)	855	(c)	54,285	49,626	49,073	
1989-90—								
July r	376	(c)	881	(c)	50,246	50,823	49,524	
August p	544	(c)	1,227	(c)	54,652	49,896	49,627	

(a) Excludes motor cycles, tractors, plant and equipment, caravans and trailers. (b) See paragraph 6 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.

EXPLANATORY NOTES

Introduction

Because of 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. See also paragraph 3 below.

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 Queensland, Western Australia, South Australia, Tasmania, Northern Territory and the Australian Capital Territory the figures shown depart little from actual registrations during the period. In New South Wales and Victoria, 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.

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.

Seasonal adjustment

6. 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 "Motor cars and station wagons", "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 "Motor cars and station wagons" and "Other vehicles" seasonally ad-

justed figures are summed to derive the Australian figures and the two resultant figures are summed to obtain Australian seasonally adjusted "Total vehicles". Details of the methods used in seasonally adjusting these statistics are available on request.

7. 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.

8. 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.

9. 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 series. The trend estimates of motor vehicle registration statistics 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.

10. 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

11. 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, 1987-88 (9304.0)

12. Current publications produced by the ABS are listed in the *Catalogue of Publications, 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

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- r figures or series revised since previous issue

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