

**REGISTRATIONS OF NEW MOTOR VEHICLES, AUSTRALIA
NOVEMBER 1989, PRELIMINARY**

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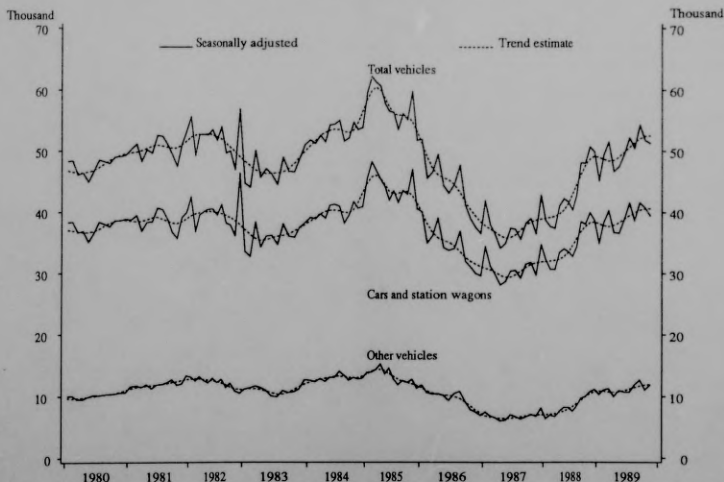
NOTE: Caution needs to be exercised when interpreting month to month movements in the original and seasonally adjusted statistics of new motor vehicle registrations. The series are affected by variations in the rate of processing of records particularly in the Victorian State registration system and in the number of records attributed to a particular calendar month. More reliance should be placed on average movements reflected in the trend estimates.

MAIN FEATURES

The original, seasonally adjusted and trend estimates of total motor vehicle registrations for November 1988, October 1989 and November 1989 (See Note above) are:

	Nov. 1988	Oct. 1989	Nov. 1989	Nov. 88–Nov. 89 % change	Oct. 89–Nov. 89 % change
Original	52,980	51,183	53,265	0.5	4.1
Seasonally adjusted	50,695	51,781	51,260	1.1	-1.0
Trend	48,765	52,455	52,548	7.8	0.2

REGISTRATIONS OF NEW MOTOR VEHICLES



In seasonally adjusted terms, new motor vehicle registrations for November 1989 for all States excluding Victoria showed a 3.3 per cent decrease from October registrations compared with the decrease of 1.0 per cent shown above for Australia as a whole.

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
	1988-89—								
September	40,515	38,452	36,839	9,556	9,686	9,381	50,071	48,138	46,220
October	36,428	38,089	37,727	9,638	9,998	9,954	46,066	48,087	47,681
November	42,183	39,944	38,310	10,797	11,113	10,778	49,405	49,860	49,217
December	39,406	38,747	38,439	9,999	11,113	10,455	52,980	50,695	48,765
January	27,549	34,942	38,157	7,886	10,333	10,895	35,435	45,273	49,051
February	34,869	38,362	37,821	10,183	11,053	10,845	45,052	49,414	48,666
March	41,460	40,269	37,694	11,521	11,254	10,722	52,981	51,523	48,416
April	34,062	36,726	37,876	9,925	9,959	10,657	43,987	46,685	48,533
May	40,205	36,571	38,326	12,508	10,919	10,714	52,713	47,490	49,040
June	41,799	38,858	38,923	12,305	10,666	10,903	54,104	49,525	49,826
1989-90—									
July	40,282	41,526	39,476	11,145	10,661	11,164	51,427	52,187	50,640
August	42,169	38,649	39,994	12,621	11,816	11,442	54,790	50,466	51,436
September	42,996	41,577	40,377	12,236	12,713	11,675	55,232	54,290	52,052
October r	40,314	40,727	40,605	10,869	11,054	11,850	51,183	51,781	52,485
November p	41,346	39,414	40,633	11,919	11,846	11,915	53,265	51,262	52,548

(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			Trucks		Other truck type vehicles(a)	Buses	Total (excludes motor cycles)	Motor cycles
	Utilities	Panel vans		Rigid	Articulated				
	1988-89—								
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	2,852	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	41,799	4,728	2,756	3,619	398	147	657	54,104	1,576
1989-90—									
July r	40,282	3,923	2,564	3,630	341	143	544	51,427	1,545
August	42,169	4,517	2,972	3,997	363	168	604	54,790	1,559
September	42,996	4,472	2,587	4,052	401	174	550	55,232	1,627
October r	40,314	4,132	2,551	3,092	344	146	604	51,183	1,682
November p	41,346	4,292	3,019	3,459	425	204	520	53,265	1,810

(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
	1988-89—								
September	19,182	18,469	16,859	12,012	11,222	11,604	8,334	8,253	7,840
October	16,889	18,110	17,486	11,169	11,374	11,975	7,824	8,276	8,068
November	18,507	18,147	17,909	14,441	13,504	12,312	8,460	8,287	8,201
December	17,620	18,318	18,062	12,500	13,148	12,432	8,193	7,972	8,252
January	13,064	16,797	18,000	8,321	10,512	12,241	5,993	7,976	8,240
February	16,775	18,257	17,797	10,850	11,980	11,992	7,783	8,558	8,228
March	18,141	17,837	17,594	13,877	14,371	11,830	9,308	8,266	8,264
April	16,413	17,062	17,450	10,474	10,472	11,961	7,503	8,256	8,305
May	20,464	18,056	17,329	11,197	10,432	12,478	9,387	8,239	8,340
June	18,892	17,119	17,342	13,761	12,790	13,174	9,209	8,271	8,377
1989-90—									
July	16,852	16,643	17,538	16,435	16,658	13,744	8,545	8,834	8,425
August	19,978	18,096	17,926	13,875	12,686	14,085	8,990	8,344	8,494
September	18,407	18,012	18,419	17,522	16,996	14,144	7,841	7,963	8,559
October r	18,964	19,820	18,931	12,090	11,797	13,994	9,254	9,443	8,614
November p	19,907	19,617	19,368	13,306	12,593	13,633	8,542	8,339	8,657

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	Seasonally adjusted	Trend estimate
	r	r	r	r	r	r	r	r	r
1988-89—									
September	3,549	3,359	3,093	4,642	4,632	4,672	1,202		988
October	3,095	3,139	3,133	5,028	4,973	4,807		936	1,013
November	3,671	3,173	3,157	5,546	5,442	4,926	1,112		1,034
December	3,347	3,310	3,159	4,913	4,754	5,011		1,648	1,052
January	2,521	3,006	3,177	3,883	4,599	5,054		800	1,075
February	2,767	3,012	3,216	4,813	5,309	5,059		920	1,110
March	3,607	3,392	3,272	5,599	5,327	5,049	1,074		1,153
April	2,990	3,396	3,347	4,518	5,091	5,037		926	1,189
May	3,729	3,428	3,419	5,207	4,862	5,005		1,311	1,205
June	4,027	3,799	3,471	5,588	4,966	4,941	1,210		1,195
1989-90—									
July	2,769	2,893	3,488	4,559	4,734	4,857	1,087		1,169
August	3,767	3,624	3,480	5,310	4,990	4,797	1,999		1,138
September	4,027	3,897	3,464	4,554	4,673	4,751	1,113		1,113
October r	3,292	3,218	3,440	4,806	4,652	4,710	1,088		(c)
November p	3,750	3,287	3,404	4,843	4,701	4,682	1,253		(c)
	NT(b)			ACT(b)			Australia		
	Original	Trend estimate		Original	Trend estimate		Original	Seasonally adjusted	Trend estimate
1988-89—									
September	440	413	710	751	50,071	48,138	r		46,220
October	435	429	690	770	46,066	48,087	r		47,681
November	352	443	891	783	52,980	50,695	r		48,765
December	393	453	791	796	49,405	49,860	r		49,217
January	389	462	664	803	35,435	45,273	r		49,051
February	432	467	712	798	45,052	49,414	r		48,666
March	543	466	832	786	52,981	51,523	r		48,416
April	425	460	738	784	43,987	46,685	r		48,533
May	482	452	936	813	52,713	47,490	r		49,040
June	562	449	855	877	54,104	49,525	r		49,826
1989-90—									
July	376	454	804	965	51,427	52,187	r		50,640
August	544	462	1,227	1,055	54,790	50,466	r		51,436
September	471	(c)	1,297	(c)	55,232	54,290	r		52,052
October r	486	(c)	1,203	(c)	51,183	51,781	r		52,455
November p	462	(c)	1,202	(c)	53,265	51,260	r		52,548

(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

This publication contains preliminary information regarding registrations of new motor vehicles and includes particulars of motor cars and station wagons, utilities, panel vans, buses, rigid and articulated trucks, other truck type vehicles and motor cycles.

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. 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.

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 adjusted 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.

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