

MOTOR VEHICLE REGISTRATIONS VICTORIA, SEPTEMBER 1991

Note: (1) This publication contains data based on the system of Vehicle Identification Numbers (VIN) introduced by motor vehicle registration authorities from July 1990 onwards. The system allows more accurate identification and classification of newly registered vehicles and as a result there has been a reduction in the level of the new vehicle registrations series, through better identification of duplicate registrations and those already registered previously. Statistics to November 1990 inclusive are presented on the former basis, while data from December 1990 onwards is shown on the new basis. Detailed data from December 1990 to July 1991 are also available on the old basis, on request. Refer also to paragraphs 1, 4 and 5 of the explanatory notes to this publication.

(2) Statistics of new motor vehicle registrations refer to the number of registrations processed by the Victorian Roads Corporation. Due to backlogs in processing new registrations and variations in the rate of processing, caution should be exercised when interpreting month to month movements in the original and seasonally adjusted series.

The following table indicates the proportion of total new motor vehicle registrations reported each month by Roads Corporation that relate to the reference month; in September 1991 the proportion of "current" records was 85 per cent, with 15 per cent relating to earlier periods.

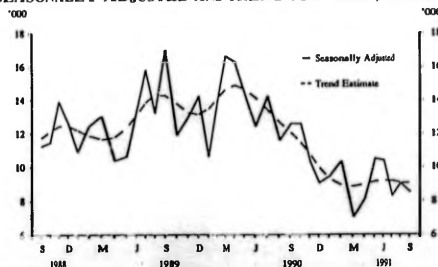
Publication month (1991)	Reference month							Total
	Earlier months	April	May	June	July	August	September	
				(per cent)				
April 1991	36	64	-	-	-	-	-	100
May 1991	5	26	69	-	-	-	-	100
June 1991	1	-	18	81	-	-	-	100
July 1991	-	-	1	8	91	-	-	100
August 1991	-	-	-	1	9	90	-	100
September 1991	-	-	-	-	-	15	85	100

MAIN FEATURES

During September 1991 a total of 8,920 new motor vehicles were reported as registered. In seasonally adjusted terms this represents a decrease of 6 per cent when compared with the previous month and a decrease of 32 per cent when compared with September 1990. The trend estimate, after peaking in April 1990, declined continuously from May 1990 to March 1991, before increasing slightly over the next three months. A continuous decline has occurred from July to September 1991. However readers are reminded that trend estimates are subject to revision as subsequent months data become available.

NEW MOTOR VEHICLE REGISTRATIONS

TOTAL NEW VEHICLES (a) SEASONALLY ADJUSTED AND TREND ESTIMATE, VICTORIA



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

INQUIRIES

For further information about statistics in this publication and the availability of related unpublished statistics, contact Bill McNaughtan or Steve Telford on (03) 615 7000; or any ABS State office.
For information about other ABS statistics and services please contact Information Services Melbourne (03) 615 7000; or any ABS State office.

TABLE 1. MOTOR VEHICLES ON REGISTER, VICTORIA
(^{'000})

As at 30 June	Motor cars and station wagons	Utilities	Trucks			Other truck types	Buses	Total	Motor cycles
			Panel vans	Rigid	Artic- ulated				
1986	1,972.9	139.2	56.0	187.0	13.3	12.9	13.8	2,395.0	81.8
1987	2,010.2	142.8	57.4	193.1	13.7	13.6	14.1	2,444.9	84.5
1988	2,064.7	145.4	51.5	201.7	13.8	13.7	14.3	2,505.1	70.1
1989	2,076.2	146.6	49.1	206.5	13.1	11.7	13.9	2,517.1	68.1
1990	2,137.8	150.2	44.5	210.7	14.2	13.0	13.8	2,584.3	67.9

TABLE 2. NEW MOTOR VEHICLES REGISTERED, VICTORIA

Period	Motor cars and station wagons	Utilities	Panel vans	Trucks		Other truck types	Buses	Total	Motor cycles
				Rigid	Artic- ulated				
1988-89	119,216	6,717	1,171	12,320	930	426	714	141,494	4,219
1989-90	140,918	8,431	984	16,859	1,121	362	690	169,424	4,786
1990-91 (a)	108,453	7,002	2,285	6,907	554	268	566	126,043	4,529
1990-91 —									
July	13,185	678	78	1,454	97	54	81	15,633	381
August	10,398	398	51	1,067	74	22	45	12,055	372
September	11,214	359	67	951	54	19	37	12,701	346
October	10,945	724	84	1,402	64	41	50	13,312	460
November	9,060	470	55	851	39	32	36	10,543	415
December (a)	7,669	469	216	265	64	17	44	8,744	334
January	6,601	465	228	133	19	21	33	7,500	412
February	7,661	704	312	206	23	11	45	8,962	459
March	6,663	498	241	118	20	12	29	7,581	345
April	6,962	782	318	118	23	15	48	8,266	422
May	9,442	784	401	181	28	14	51	10,901	333
June	8,653	671	234	161	49	10	67	9,845	250
1991-92 —									
July	8,243	752	257	155	35	16	64	9,522	229
August	7,791	559	222	181	24	9	41	8,827	191
September	7,866	557	246	163	24	7	57	8,920	211
1990-91 —									
July — September	34,797	1,435	196	3,472	225	95	163	40,389	1,099
1991-92 —									
July — September	23,900	1,868	725	499	83	32	162	27,269	631

(a) Data compiled via the new processing system since December 1990, see Explanatory Notes, paragraphs 1, 4 and 5.

ORIGINAL SERIES, VICTORIA

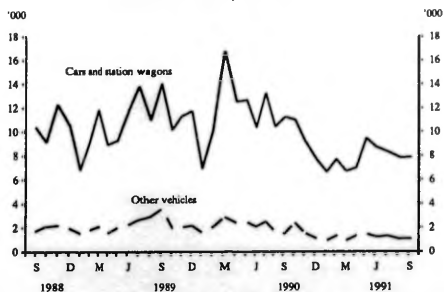


TABLE 3. NEW MOTOR VEHICLES REGISTERED VICTORIA, ORIGINAL AND SEASONALLY ADJUSTED

Period	Motor cars and station wagons		Other vehicles(a)		Total(a) (b)		
	Original	Seasonally adjusted	Original	Seasonally adjusted	Original	Seasonally adjusted	Trend estimate(c)
MELBOURNE STATISTICAL DIVISION							
1990-91 —							
July	10,133	9,467	1,548	1,254	11,681	10,720	10,131
August	8,172	7,865	1,109	1,066	9,281	8,931	9,543
September	8,811	8,368	1,029	1,154	9,840	9,522	9,094
October	8,434	8,046	1,521	1,262	9,955	9,308	8,685
November	7,035	6,831	960	1,015	7,995	7,845	8,172
December (d)	5,983	6,285	711	865	6,694	7,150	7,584
January	5,191	6,406	561	750	5,752	7,157	7,096
February	5,998	6,836	832	934	6,830	7,770	6,812
March	5,286	4,948	582	576	5,868	5,525	6,725
April	5,371	5,358	726	704	6,097	6,062	6,803
May	7,305	7,072	867	769	8,172	7,841	6,899
June	6,712	7,130	708	708	7,420	7,838	6,939
1991-92 —							
July	6,446	5,679	773	598	7,219	6,277	6,914
August	6,159	6,185	645	650	6,804	6,836	6,828
September	6,126	5,697	631	673	6,757	6,370	6,801
1990-91 —							
July — September	27,116	25,699	3,686	3,474	30,802	29,173	28,768
1991-92 —							
July — September	18,731	17,562	2,049	1,921	20,780	19,483	20,544
TOTAL VICTORIA							
1990-91 —							
July	13,185	12,262	2,448	1,964	15,633	14,227	13,415
August	10,398	10,048	1,657	1,558	12,055	11,606	12,651
September	11,214	10,877	1,487	1,706	12,701	12,583	12,038
October	10,945	10,629	2,367	1,981	13,312	12,610	11,463
November	9,060	8,705	1,483	1,632	10,543	10,337	10,752
December (d)	7,669	7,806	1,075	1,246	8,744	9,052	9,947
January	6,601	8,243	899	1,202	7,500	9,446	9,291
February	7,661	8,839	1,301	1,484	8,962	10,323	8,927
March	6,663	6,134	918	909	7,581	7,043	8,845
April	6,962	6,910	1,304	1,218	8,266	8,128	8,992
May	9,442	9,170	1,459	1,315	10,901	10,485	9,148
June	8,653	9,194	1,192	1,193	9,845	10,386	9,203
1991-92 —							
July	8,243	7,311	1,279	970	9,522	8,281	9,172
August	7,791	7,984	1,036	1,032	8,827	9,016	9,059
September	7,866	7,353	1,054	1,141	8,920	8,495	9,032
1990-91 —							
July — September	34,797	33,187	5,592	5,229	40,389	38,416	38,104
1991-92 —							
July — September	23,900	22,648	3,369	3,144	27,269	25,792	27,263

(a) Excludes motor cycles, tractors, plant and equipment, caravans and trailers. (b) See paragraph 2 of the Explanatory notes. (c) Trend estimate (smooched seasonally adjusted) series are revised as additional observations become available. See paragraph 5 of the Explanatory notes. (d) Data compiled via the new processing system since December 1990, see Explanatory Notes, paragraphs 1, 4 and 5.

TABLE 4. MAKES OF NEW MOTOR CARS AND STATION WAGONS REGISTERED, VICTORIA, SEPTEMBER 1991

Make	Vehicle tare weight (kilograms)						Total	Per cent	M.S.D.
	Up to 900	901 to 1,100	1,101 to 1,300	1,301 to 1,500	Over 1,500	Not stated			
Ford	12	490	85	1,113	319	-	2,019	25.7	1,431
Holden	101	40	251	782	27	-	1,201	15.3	921
Honda	63	75	69	5	11	-	223	2.8	197
Hyundai	4	188	6	-	-	-	198	2.5	158
Mazda	90	123	156	4	18	-	391	5.0	334
Mitsubishi	2	112	243	362	65	-	784	10.0	619
Nissan	2	393	320	85	165	-	965	12.3	784
Subaru	5	20	101	28	-	-	154	2.0	121
Toyota	39	412	614	71	209	-	1,345	17.1	1,064
Other makes	179	135	167	68	36	1	586	7.4	497
Total	497	1,988	2,012	2,518	850	1	7,866	100.0	6,126

TABLE 5. MAKES OF NEW UTILITIES REGISTERED, VICTORIA, SEPTEMBER 1991

Make	Vehicle tare weight (kilograms)						Total	Per cent	M.S.D.
	Up to 900	901 to 1,100	1,101 to 1,300	1,301 to 1,500	Over 1,500	Not stated			
Ford	-	-	63	48	18	-	129	23.2	64
Holden	1	3	48	47	19	-	118	21.2	66
Mazda	-	-	3	1	7	-	11	2.0	4
Mitsubishi	-	2	21	15	4	-	42	7.5	20
Nissan	-	-	32	4	13	-	49	8.8	23
Subaru	2	29	-	-	-	-	31	5.6	2
Toyota	-	1	59	44	65	-	169	30.3	76
Other makes	4	-	1	1	2	-	8	1.4	1
Total	7	35	227	160	128	-	557	100.0	256

TABLE 6. MAKES OF NEW PANEL VANS REGISTERED, VICTORIA, SEPTEMBER 1991

Make	Vehicle tare weight (kilograms)						Total	Per cent	M.S.D.
	Up to 900	901 to 1,100	1,101 to 1,300	1,301 to 1,500	Over 1,500	Not stated			
Ford	-	-	1	72	-	-	73	29.7	60
Mazda	-	-	6	20	4	-	30	12.2	19
Mitsubishi	-	-	53	2	1	-	56	22.8	50
Nissan	-	-	10	3	6	-	19	7.7	16
Toyota	1	6	2	57	2	-	68	27.6	61
Other makes	-	-	-	-	-	-	-	-	-
Total	1	6	72	154	13	-	246	100.0	206

TABLE 7. MAKES OF NEW RIGID TRUCKS REGISTERED, VICTORIA,
SEPTEMBER 1991

Make	Gross vehicle mass (tonnes) (a)								Total	Per cent	M.S.D.
	Up to 4	4.001 to 8	8.001 to 12	12.001 to 16	16.001 to 20	20.001 to 30	Over 30	Not stated			
Ford	-	9	3	4	-	3	-	-	19	11.7	15
Hino	-	-	6	4	-	1	-	-	11	6.7	8
International	-	-	-	1	1	6	2	-	10	6.1	8
Isuzu	-	6	12	1	2	2	-	-	23	14.1	17
Mazda	-	5	-	2	-	-	-	-	7	4.3	7
Mitsubishi	-	10	14	2	11	4	2	2	45	27.6	28
Nissan	1	-	-	2	-	3	1	-	7	4.3	3
Toyota	5	18	2	2	-	-	-	4	31	19.0	25
Other makes	-	5	-	-	1	3	-	1	10	6.1	6
Total	6	53	37	18	15	22	5	7	163	100.0	117

(a) Gross vehicle mass is the maximum permissible weight of the loaded vehicle.

TABLE 8. MAKES OF NEW ARTICULATED TRUCKS REGISTERED, VICTORIA,
SEPTEMBER 1991

Make	Gross combination mass (tonnes) (a)								Total	Per cent	M.S.D.
	Up to 16	16.001 to 20	20.001 to 24	24.001 to 30	30.001 to 34	34.001 to 40	Over 40	Not stated			
Ford	-	2	1	2	-	-	-	-	5	20.8	-
International	1	1	-	-	-	-	-	1	3	12.5	-
Kenworth	-	1	-	-	-	-	1	-	2	8.3	-
Mack	-	1	-	-	-	-	-	-	1	4.2	1
Mercedes-Benz	-	-	-	2	-	-	-	-	2	8.3	-
Scania	1	-	1	-	-	-	-	-	2	8.3	2
Volvo	1	2	-	3	-	-	-	-	6	25.0	3
Other makes	-	1	1	1	-	-	-	-	3	12.5	2
Total	3	8	3	8	-	-	1	1	24	100.0	8

(a) Gross combination mass is the maximum permissible weight of the prime mover plus attached loaded trailer.

TABLE 9. MAKES OF NEW OTHER TRUCK TYPES AND BUSES REGISTERED, VICTORIA,
SEPTEMBER 1991

Make	Other truck types				Buses			
	M.S.D.	Rest of Victoria	Total	Per cent	M.S.D.	Rest of Victoria	Total	Per cent
Ford	6	-	6	85.7	-	-	-	-
Hino	1	-	1	14.3	2	1	3	5.3
Isuzu	-	-	-	-	-	1	1	1.8
Mazda	-	-	-	-	3	1	4	7.0
Mercedes-Benz	-	-	-	-	-	2	2	3.5
Nissan	-	-	-	-	6	2	8	14.0
Toyota	-	-	-	-	21	13	34	59.6
Volvo	-	-	-	-	1	-	1	1.8
Other makes	-	-	-	-	4	-	4	7.0
Total	7	-	7	100.0	37	20	57	100.0

TABLE 10. NEW MOTOR CYCLES REGISTERED, VICTORIA, SEPTEMBER 1991

Make	Cubic capacity of engine (cc)							Total	Per cent	M.S.D.
	Up to 50	51 to 150	151 to 250	251 to 500	501 to 750	Over 750	Not stated			
Honda	-	2	26	1	5	1	-	35	16.6	15
Kawasaki	-	-	27	3	10	2	-	42	19.9	26
Suzuki	-	4	26	4	10	5	-	49	23.2	20
Yamaha	1	-	33	9	10	7	-	60	28.4	37
Other makes	-	-	2	1	1	21	-	25	11.8	17
Total	1	6	114	18	36	36	-	211	100.0	115

TABLE 11. NEW MOTOR VEHICLES REGISTERED BY NUMBER OF CYLINDERS, VICTORIA, SEPTEMBER 1991

Number of cylinders	Motor cars and station wagons	Utilities	Panel vans	Trucks		Other truck types	Buses	Total	Per cent
				Rigid	Articulated				
Four	3,279	308	162	72	-	-	32	3,853	43.2
Six	2,221	121	30	65	18	1	17	2,473	27.7
Eight	176	6	-	1	4	4	1	192	2.2
Other	49	-	-	-	-	-	-	49	0.5
Not stated	2,141	122	54	25	2	2	7	2,353	26.4
Total	7,866	557	246	163	24	7	57	8,920	100.0

TABLE 12. NEW PLANT AND EQUIPMENT, CARAVANS, AND TRAILERS REGISTERED, SEPTEMBER 1991

Type	M.S.D.	Rest of Victoria	Total
Mobile plant, equipment, etc.	27	6	33
Caravans	43	39	82
Trailers	322	280	602
Total	392	325	717

EXPLANATORY NOTES

NOTE:

The statistics in this publication are based, from December 1990 onwards, on new processing procedures using the new Vehicle Identification Number (VIN) adopted by the motor vehicle registration authorities. The VIN system allows more accurate classification of vehicles. As a result, data processed on this system are not strictly comparable with those processed on the old system. Both the old and new series have been compiled for an overlapping period since December 1990. Detailed statistics compiled on the former basis are available on request.

Introduction

2. This publication contains detailed information regarding registrations of new motor vehicles and includes particulars of motor cars and station wagons, utilities, and panel vans classified by make and tare, and rigid and articulated trucks by make and gross vehicle mass/gross combination mass. Details of registrations of new trailers, caravans, and plant and equipment are also included, as are particulars of motor vehicles on register.

Scope and coverage

3. Motor vehicle registration statistics are obtained from data made available by the Roads Corporation (formerly the Road Traffic Authority of Victoria) and reflect the information as recorded in registration documents. In these statistics, registrations mean registrations processed by the Roads Corporation during the period. In Victoria, registrations are not processed by the Roads Corporation until some time after the actual date of registration; for this reason, a number of registrations processed in a given month actually relate to vehicles registered prior to that month.

The statistics include vehicles with diplomatic and consular plates and government-owned vehicles other than those belonging to the defence services.

Although registration of recreation vehicles intended for use in public places other than roads is compulsory, particulars of such vehicles are excluded from statistics contained in this publication.

Recent changes in processing procedures implemented by the Roads Corporation may impact on statistics contained in this publication. Care should therefore be taken when using these statistics.

Vehicle Identification Number

4. 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

5. 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 cars and station wagons 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 utilities. 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.

Seasonal adjustment

6. Original and seasonally adjusted registrations of new motor vehicles are shown in Table 3. Seasonal factors applied to the new series from December 1990 onwards were calculated from data derived from the former series. The two component series 'Motor cars and station wagons' and 'Other vehicles' are each adjusted separately, and the adjusted figures for total registrations are obtained by adding together the two component series. In the seasonally adjusted series, account has been taken of normal seasonal factors and 'trading day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month) and the effect of movement in the date of Easter which may, in successive years, affect figures for different months.

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.

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 months, such as the effect of introducing new models or of 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. The seasonally adjusted series can, however, be smoothed to reduce the impact of the irregular component in the adjusted series.

7. Commencing with the September 1986 issue of this publication, trend estimates of motor vehicle

registration statistics are shown in Table 3. The **trend estimate** (formerly referred to as smoothed seasonally adjusted series) has been derived by applying a 13-term Henderson-weighted moving average to the series.

While this technique enables smoothed data for the latest period to be produced, it does result in revisions to the smoothed series 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.

Motor vehicles on register

8. Censuses of motor vehicles on register have been conducted in respect of 31 December 1955 and 1962, and 30 September 1971, 1976, 1979, 1982, 1985 and 1988. From December 1976, details of Commonwealth Government-owned vehicles on register are only available at 31 December each year.

For 30 June estimates, the previous 31 December figures for Commonwealth Government-owned vehicles are used. Motor vehicles on register at a given date are vehicles for which either fees were paid in advance, on that date, or retrospectively. Figures for motor vehicles on register prior to June 1982 were derived from estimates of the previous Census of Motor Vehicles. From June 1982 onwards, motor vehicles on register figures have been collected from the Roads Corporation.

Unpublished tables

9. Various tabulations of a more detailed nature than those contained in this publication are available in the form of computer printouts for inspection in this Office. It is recommended that inquiries regarding the availability of unpublished statistics be made by telephoning in the first instance. In general a charge is made for supply of such tabulations.

Related publications

10. Users may also wish to refer to the following ABS publications which are available on request:
Registrations of New Motor Vehicles, Australia, Preliminary (9301.0) (monthly) (\$10.00)

Motor Vehicle Registrations, Australia (9303.0) (monthly) (\$10.00)

Motor Vehicle Registrations, Australia (9304.0) (annual) (\$20.00)

Motor Vehicle Census, Australia (9309.0) (\$15.00)

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. These are available from any ABS Office.

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Symbols and other usages

r figure or series revised since previous issue

- nil or rounded down to zero

M.S.D. Melbourne Statistical Division

n.a. not available

— break in continuity of series (where a line is drawn across a column between two consecutive figures).

Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

R.A. CROCKETT

Deputy Commonwealth Statistician

