Western Australia



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Motor Vehicle Registrations Western Australia January 1994

MAIN FEATURES

Original new motor vehicle registrations (excluding motor cycles) for January 1994 fell 25.2 per cent compared with strong December 1993 registrations. Although the seasonally adjusted series also fell (by 6.1 per cent), the trend series rose by 1.0 per cent.

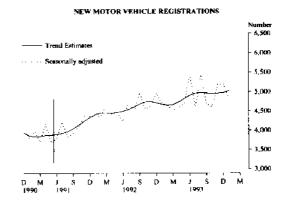
While falls in the original and seasonally adjusted series between December and January reflect a normal slowing in activity over the Christmas/School Holiday period, the cessation of intensive pre-Christmas marketing activities by most manufacturers/dealers also contributed.

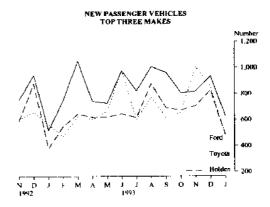
Compared with January 1993, seasonally adjusted January 1994 registrations increased by 3.5 per cent while the trend series increased by 7.3 per cent.

The Christmas/School Holiday period and cessation of most manufacturer/dealer marketing activities also contributed to a 24.9 per cent fall in passenger vehicle registrations (in original terms) for January 1994 compared with December 1993, with:

- Toyota (down 44.5 per cent) and Holden (down 41.7 per cent) recording the largest decreases
- Hyundai (down 11.4 per cent) and Mitsubishi (down 13.6 per cent) recording the lowest decreases. Mitsubishi continued their marketing activities into January.

The Hyundai Excel (with 305 new registrations) commenced the 1994 calendar year as the leading passenger vehicle model followed closely by the 1993 market leader Ford Falcon (301 vehicles).





INQUIRIES

- For further information about these statistics and the availability of related unpublished statistics, contact Robin Dalby on (09) 323 5149.
- For other inquiries, including copies of publications, please contact Information Services on (09) 323 5140.

TABLE 1 - NEW MOTOR VEHICLES (a) REGISTERED, WESTERN AUSTRALIA

Perth Statistical Division	Total	Motor cycles	Buses	Non - freight carrying trucks (b)	Articulated trucks	Rigid trucks	Light commercial vehicles	Passenger vehicles		Period
40,004	50,584	2,784	658	74	138	3,497	6,507	36,926	l (c)	1990-9
$\overline{41,926}$	53,366	1,814	675	101	109	1,024	7,664	41,979	2	1991-9
46,593	59,240	2,117	757	84	125	1,009	9,581	45.567	3	1992-93
3,727	4,716	160	64	12	10	88	725	3,657	November	1992
4,437	5,571	287	72	6	12	107	823	4,264	December	
3,260	4,156	182	56	5	13	42	679	3,179	January	1993
3,586	4,549	224	52	6	5	69	741	3,452	February	
4,147	5,233	180	60	6	11	93	881	4,002	March	
3,510	4,531	241	54	5	9	73	705	3,444	April	
3,580	4,635	112	61	7	14	81	863	3,497	May	
4,605	6,110	98	108	4	19	128	1,286	4,467	June	
3,777	4.761	134	52	6	14	94	719	3,742	July	
4,583	5.732	134	42	5	16	79	657	4,799	August	
3,918	4,886	142	55	6	ĸ	88	726	3,861	September	
3,675	4,743	156	49	6	17	88	753	3,674	October	
4,479	5,688	327	52	5	26	91	984	4,203	November	
4,386	5,640	169	81	9	26	97	829	4,429	December	
3,243	4,266	172	46	6	25	60	631	3,326	January	1994

⁽a) Excludes plant and equipment, caravans and trailers. (b) Includes ambulances, hearses, fire engines and fire tenders, low trucks, mobile cranes, machine mounted non-freight carrying trucks and motorised caravans. (c) Break in the series, see paragraph 2 in the explanatory notes.

TABLE 2 – NEW MOTOR VEHICLES (a) REGISTERED, WESTERN AUSTRALIA SEASONALLY ADJUSTED AND TREND ESTIMATE

		Pa	ssenger vehicle.	5		Other vehicle:	Ÿ.		Total	
Period		Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend extimate	Original	Seasonally adjusted	Trend estimate
1992	November	3,657	3,718	3,814	899	910	943	4,556	4,628	4,757
	December	4,264	3,968	3,780	1,020	1,009	944	5,284	4.977	4,724
1993	January	3,179	3,722	3,743	795	992	940	3,974	4,714	4,683
	February	3,452	3,733	3,712	873	899	945	4,325	4,632	4,657
	March	4,002	3,595	3,711	1,051	942	961	5,0 5 3	4,537	4,672
	April	3,444	3,726	3,761	846	881	983	4,290	4,607	4,744
	May	3,497	3,719	3,836	1,026	973	999	4,523	4,692	4,835
	June	4,467	4,165	3.917	1,545	1,295	1,000	6,012	5,460	4,917
	July	3,742	3,699	r3.982	885	922	r990	4,627	4,621	т4,972
	August	4,799	4,556	r4,009	799	885	r973	5,598	5,441	r4,982
. **	September	3,861	3,773	r4,007	883	927	r961	4,744	4,700	r4,968
	October	3,674	3,735	г3.994	913	879	г962	4,587	4,614	r4,956
	November	4,203	4,085	r3.986	1,158	1,110	r978	5,361	5,195	r4,964
	December	4,429	4,150	#3,981	1,042	1,047	995	5,471	5,197	r4.976
1994	January	3,326	3,909	3,996	768	971	1,029	4,094	4,880	5,025

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

TABLE 3 - REGISTRATIONS OF NEW PLANT AND EQUIPMENT, CARAVANS AND TRAILERS

						ailers	
Period		Plant and equipment (a)	Caravans	Вох	Boat	Other	Total
			PERTII STA	TISTICAL DIVISION	1		
1993 -	August	30	52	341	77	77	495
	September	35	58	411	106	78	595
	October	41	48	394	69	61	524
	November	30	54	394	115	99	608
	December	37	42	437	114	90	641
1994	January	33	43	407	92	64	563
			WESTE	RN AUSTRALIA			
1993	August	56	83	392	119	128	639
	September	67	82	462	157	122	741
	October	94	69	443	119	122	684
	November	129	80	447	207	169	823
	December	85	59	507	182	148	837
1994	January	61	59	472	167	105	744

⁽a) Includes tractors.

TABLE 4 — REGISTRATIONS OF NEW PASSENGER VEHICLES BY MAKE AND TARE (a) —

JANUARY 1994

				Western /	Australia				Perth	
				Tare (kg) -					Statistical	
Make	Up to 900	901 - 1100	1101 - 1300	1301 - 1500	Over 1500	Not stated	Total	Per cent	Division	
Audi		_	2	4	_		6	0.2	6	
Bentley	_	_		_	1		1		1	
B.M.W.	_	_	15	7	4		26	0.8	24	
Daihatsu	107	24	15	2	4	_	152	4.6	135	
Eunos	_	_	9	_	_		9	0.3	8	
Ford	133	106	27	208	155	_	629	18.9	491	
Holden	114	26	45	271	27		483	14.5	385	
Honda	_	57	33	42	2	_	134	4.0	127	
Hyundai		311	42	6	_	_	359	10.8	318	
Jaguar	_	_	_	_	1	_	1	_	1	
Lada		5	24	_	_		29	0.9	28	
Land Rover	_	_		_	32	_	32	1.0	23	
Lexus	_	_	_	_	6	_	6	0.2	-6	
Mazda	38	40	44		5	_	127	3.8	104	
Mercedes Benz	_		2	6	6	_	14	0.4	14	
Mitsubishi	48	28	24	273	66		439	13.2	360	
Nissan		69	26	13	80	_	188	5.7	131	
Peugeot	2		2	_	_	_	4	0.1	4	
Porsche	_	_	_	1	_	_	1		i	
Range Rover	_	_			2	_	2	0.1	2	
Renault	_	1	_		_	-	1		ī	
Saab			2	13		_	15	0.5	15	
Subaru	_	30	27	3	_	_	60	1.8	46	
Suzuki	48	47	16	_	_	_	111	3.3	84	
Toyota	5	118	72	124	156	_	475	14.3	358	
Volkswagen	_	2	_		1	_	3	0.1	3	
Volvo	_	1	_	17	1		19	0.6	14	
Total	495	865	427	990	549		3,326	100.0	2,690	

(a) See paragraph 12 of the Explanatory Notes.



TABLE 5 – REGISTRATIONS OF NEW PASSENGER VEHICLES (a) BY SELECTED MAKE AND MODEL

	_January	1994	12 n Decemb	ionths to er 1993		January	1994	12 m Decembe	onths to er 1993
		Per cent		Per cent			er cent		Per cent
Make and model	No.	(b)	No.	(b)	Make and model	No.	(b)	No.	<i>(b)</i>
Ford—					Mitsubishi				
Falcon/Fairmont	327	9.8	6,076	13.0	Magna	247	7.4	3,255	7.0
Laser	100	3.0	1,778	3.8	Lancer	78	2.3	1,396	3.0
Festiva	132	4.0	974	2.1	Pajero	66	2.0	793	1.7
Other	70	2.1	1,288	2.8	Other	48	1.4	705	1.5
Total	629	18.9	10,166	21.7	Total	439	13.2	6,149	13.2
[[olden—					Nissan—				
Commodore/Calais	259	7.8	4,963	10.6	Pulsar	65	2.0	925	2.0
Barina	[14	3.4	1,148	2.5	Patrol	73	2.2	803	1.7
Apollo	62	1.9	866	1.9	Pintara	6	0.2	144	0.3
Other	48	1.4	873	1.9	Other	44	1.3	465	1.0
Total	483	14.5	7,850	16.8	Total	188	5.7	2.337	5.0
Hyundai-					Toyota-				
Excel	305	9.2	2,710	5.8	Corolla	124	3.7	2,422	5.2
Lantra	24	0.7	430	0.9	Camry	105	3.2	2,416	5.2
S	7	0.2	155	0.3	Landcruiser	130	3.9	1,712	3.7
Sonata	23	0.7	128	0.3	Other	116	3.5	1,870	4.0
Total	359	10.8	3,423	7.3	Total	475	14.3	8.420	18.0

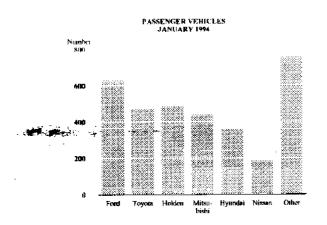
⁽a) See paragraph 12 of the explanatory notes, (b) Of total registrations of passenger vehicles.

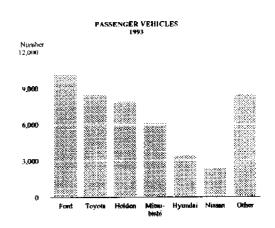
TABLE 6 — REGISTRATIONS OF NEW LIGHT COMMERCIAL VEHICLES BY MAKE AND TARE (a) — JANUARY 1994

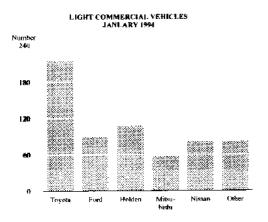
				Western A				•	Perth			
		Tare (kg) ·										
Make	Up to 900	901 - 1100	1101 - 1300	1301 - 1500	Over 1500	Not stated	Total	Per cent	Division			
Daihatsu	3	_			1		4	0.6	4			
Ford	_	_	6	62	21		89	14.1	51			
Holden			3	57	48	_	108	17.1	55			
Hyundai		8	-	_	_	_	8	1.3	8			
Kia		_	-	3	_	_	3	0.5	3			
Land Rover		_	_	_	5	_	5	0.8	1			
Mazda		_	9	31	14		54	8.6	38			
Mitsubishi	_		33	12	12	_	57	9.0	37			
Nissan	_	_	3	23	53	2	81	12.8	31			
Subaru		1	_	_	_	_	1	0.2				
Suzuki	2	_					2	0.3	_			
Toyota			26	28	161	_	215	34.1	107			
Volkswagen	_			4	-	-	4	0.6	4			
Total	5	9	80	220	315	2	631	100.0	339			

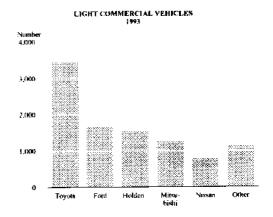
(a) See paragraph 13 of the Explanatory Notes.

REGISTRATIONS OF NEW MOTOR VEHICLES (a)









⁽a) Data are compiled via the new processing system. See paragraph 2 of explanatory notes.

TABLE 7 — REGISTRATIONS OF NEW RIGID AND ARTICULATED TRUCKS BY MAKE — JANUARY 1994

					Wes	itern Austra	lia					
				F	Rigid truck	s				Articulated trucks		_
			(G.V.M. (to	nnes) (a) -							Perth
Make	Up 10 4	Over 4 up to 8	Over 8 up to 12		Over 16 up to 30	Over 30	Not stated	Total	Per cent	Total	Per cent	Statistical Division
Daihatsu	2	····						2	3.3			1
Ford	_	2			2	_	_	4	6.7	1	4.0	4
Freightliner	_	_	-	_	_			_	_	1	4.0	1
Hino		_	2	6	1		_	9	15.0			6
International	_	_		2	1		_	3	5.0	1	4.0	3
Isuzu	_	4	11	3	1		_	19	31.7	_	_	17
Kenworth	_	_	_	_	_				_	3	12.0	2
Mack		_		_	1		_	1	1.7	3	12.0	1
MAN	_	_	-	_	1	_	_	1	1.7	1	4.0	1
Mazda	_	8	_	_	_	_	_	8	13.3	_	_	8
Mercedes Benz			_	_	_	_	_	_	_	1	4.0	1
Mitsubishi	_	7	_	2	2			11	18.3		_	5
Toyota	_	2	_	_	_	_	_	2	3.3	_	_	2
UD Nissan	_	_	_	_			_	_	_	2	8.0	1
Volvo		_	_	_	_	_	_	_	_	11	44.0	8
Western Star	_	_	_	_	_	_	_	_	_	1	4.0	1
Total	2	23	13	13	9	_	_	60	100.0	25	100.0	62

⁽a) Gross vehicle mass refers to the permitted aggregate of the tare of and the load bome by the vehicle.

TABLE 8 — REGISTRATIONS OF NEW VEHICLES BY FUEL TYPE, NUMBER OF CYLINDERS AND BODY TYPE (a) — JANUARY 1994

		ROD	<u> Ү ТҮРЕ (а) -</u>	— JANUAR		<u></u>	•	
e	Passenger v	ehicles	Light commercia	al vehicles	Trucks and	buses	Total	
Number of cylinders	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
	<u> </u>		PETI	ROL				
3	100	3.2	3	0.8			103	2.9
4	2,004	63.2	245	68.6	3	60.0	2,252	63.7
5	18	0.6	1	0.3	_		19	0.5
6	965	30.4	102	28.6	-	_	1,067	30.2
8	64	2.0	5	1.4	2	40.0	71	2.0
Other and unknown	21	0.7	1	0.3	_	_	22	0.6
Total	3,172	100.0	357	100.0	5	100.0	3,534	100.0
			DIE	SEL			•	
3			1	0.4			1	0.2
4	38	24.7	144	52.6	25	18.9	207	37.0
6	112	72.7	129	47.1	104	78.8	345	61.6
8	_		_		3	2.3	3	0.5
Other and unknown	4	2.6	_	_	_	_	4	0.7
Total	154	100.0	274	100.0	132	100.0	560	100.0
*-	 -		ALL FUE	L TYPES				
3	100	3.0	4	0.6			104	2.5
4	2,042	61.4	389	61.6	28	20.4	2,459	60.1
5	18	0.5	1	0.2		_	19	0.5
6	1,077	32.4	231	36.6	104	75.9	1,412	34.5
8	64	1.9	5	0.8	5	3.6	74	1.8
Other and unknown	25	0.8	l	0.2	_	_	26	0.6
Total	3,326	100.0	631	100.0	137	100.0	4,094	100.0

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

TABLE 9 — REGISTRATIONS OF NEW MOTOR CYCLES BY MAKE AND CUBIC CAPACITY OF ENGINE —

JANUARY 1994

				w	estern Austra	ilia				Pertl		
	Cubic centimetres -											
Make	Up to 50	51 - 150	151 - 250	251 - 500	501 - 750	Over 750	Not stated	Total	Per cent	Division		
B.M.W.						2		2	1.2	1		
Ducati	_			_	_	3	_	3	1.7	3		
Harley Davidson	_	_	_	_	_	47	_	47	27.3	30		
Honda	7	1	4	_	20	4		36	20.9	25		
Kawasaki	_		7		9	12	_	28	16.3	15		
KTM	_		_	1				1	0.6	1.5		
Motoguzzi	_		_			2	_	5	1.2	2		
Suzuki	3		3	_	7	4		17	9.9	12		
Triumph	_	_	_			4		4	2.3	12		
Yamaha	7	_	13	2	4	5		31	18.0	20		
Other and unknown	_	1	_	_	_		_	1	0.6	1		
Total	17	2	27	3	40	83	_	172	100.0	113		

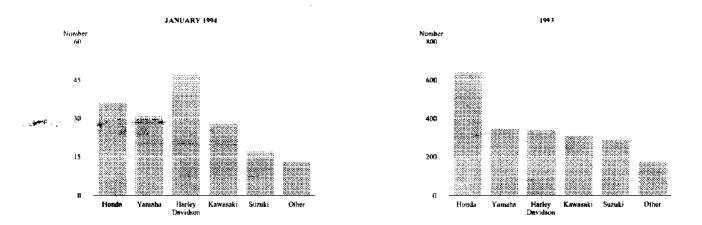


TABLE 10 -- MOTOR VEHICLES (a) ON REGISTER, WESTERN AUSTRALIA ('000)

		Light	B	4.3.3.4	Non - freight				Perth
At 30 June	Passenger vehicles	commercial vehicles	Rigid trucks	Articulated trucks	carrying trucks (b)	Buses	Motor cycles	Total	Statistical Division
1988	670.2	135.9	73.2	5.0	8.7	7.4	35.4	935.8	681.2
1989	708.3	140.9	78.6	5.3	9.0	7.9	36.3	986.2	719.1
1990	746.2	146.7	83.8	5.7	9.3	8.6	37.5	1,037.7	759.7
1991	764.2	149.1	86.2	5.6	9.3	9.0	38.2	1,061.6	774.9
1992	781.6	150.1	87.9	5.6	9.3	9,5	37.8	1,081.7	791.2
1993	803.7	153.3	91.1	5.8	9.3	9.8	37.9	1,111.0	812.1

⁽a) Excludes plant and equipment, caravans and trailers. (b) Includes ambulances, hearses, fire engines and fire tenders, tow trucks, mobile cranes, machine mounted non-freight carrying trucks and motorised caravans.

EXPLANATORY NOTES

Introduction

This publication contains detailed information regarding registrations of new motor vehicles, motor cycles, plant and equipment, caravans and trailers. Details of the number of motor vehicles on register are also included.

- 2. The statistics in this publication are based, from July 1991 onwards, on new processing procedures using the new Vehicle Identification Number (VIN) introduced by motor vehicle registration authorities from July 1990. The VIN system allows more accurate identification and classification of newly registered vehicles. As a result, data processed on this system are not strictly comparable with those processed on the old system.
- 3. Both the old and new series have been compiled for the period between December 1990 and July 1991. Detailed statistics on both bases are available on request.

Scope and coverage

- 4. Vehicle licensing in Western Australia is the responsibility of the Police Department and a number of local government authorities performing licensing functions or acting as collection agents on behalf of the Department.
- 5. The statistics in this bulletin have been prepared from data made available by licensing authorities and reflect information as recorded in registration documents. Delays in the receipt of some registrations data have meant that new motor vehicle registration statistics for a particular month include vehicles registered prior to that month.
- 6. Registrations of new motor vehicles relate to factor the websites registered for the first time.
- 7. The statistics include vehicles with diplomatic and consular plates and State and Commonwealth Government owned vehicles other than those belonging to the defence services.
- 8. The statistics exclude any vehicles which will not be used on public roads such as tractors (particularly the agricultural type), plant and equipment and motor vehicles used solely on farms, in mines or in National Parks, etc. as well as recreational vehicles such as trail bikes or sand dune buggies.

Vehicle Identification Number (VIN)

9. 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 Police Department 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

10. The decoding of the VIN has resulted in better identification of each vehicle's body type and consequently classification of vehicles to particular categories.

11. Small passenger carrying vans such as microbuses are now consistently classified as passenger vehicles. Under the old system, these could have been classified as ears, station wagons or buses. Cab-chassis vehicles, which were previously classified to small trucks, are now consistently classified to light commercial vehicles. In addition, tractors are no longer classified separately. They are now included in the plant and equipment category.

Vehicle type definitions

- 12. Passenger Vehicles. Vehicles constructed primarily for the carriage of less than 10 passengers (including the driver). Included are cars, station wagons, 4WD passenger vehicles and forward control passenger vehicles.
- 13. Light Commercial Vehicles. Vehicles constructed primarily for the carriage of goods and do not exceed 3.5 tonnes gross vehicle mass (GVM). Included are utilities, panel vans. cab-chassis and forward control vehicles (whether 4WD or not).
- 14. Rigid Trucks. Vehicles constructed primarily for load carrying with a gross vehicle mass (GVM) exceeding 3.5 tonnes. Included are normal rigid trucks with a tow bar, draw bar or other non-articulated coupling on the rear for use with a trailer or dolly.
- 15. Articulated Trucks. Vehicles constructed primarily for load carrying consisting of a prime mover having no significant load carrying area but with a turn table device which can be linked to a trailer. With or without a trailer the gross combination mass (GCM) will exceed 3.5 tonnes.
- 16. Non-freight Carrying Trucks. Includes specialist vehicles such as ambulances or mobile cranes or vehicles fitted with special purpose equipment and having no goods carrying capacity.
- 17. Omnibuses. Includes all passenger vehicles having more than nine seats, including the driver.

Seasonal adjustment and trend estimation

- 18. Original, scasonally adjusted and trend estimate series for registrations of new motor vehicles are shown in Table 2. The two component series 'Passenger vehicles' and 'Other vehicles' are each adjusted separately and then summed to derive total seasonally adjusted and trend registrations. 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.
- 19. 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.
- 20. 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.

- 21. 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 statistics are shown in Table 2 and have been derived by applying a 13-term Henderson-weighted moving average to the seasonally adjusted series.
- 22. While the 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.
- 23. Users may wish to refer to the ABS Information Papers, A Guide to Interpreting Time Series Monitoring Trends' An Overview (1348.0), 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.

Vehicles on register

24. The number of vehicles on register at a given date are those for which fees were paid up for a period which includes the reference date.

Unpublished data and related publications

- 25. The ABS may also make available on request certain unpublished motor vehicle registrations data. This data includes make and small area breakdowns of vehicles on register figures. A charge may be made for providing unpublished information.
- 26. Other ABS publications which may be of interest include:

AUSTRALIA	Catalogue No
Registrations of New Motor Vehicles (Preliminary) (Monthly)	9301.0
Motor Vehicle Registrations (monthly)	9303.0
Motor Vehicle Registrations (annual)	9304.0
Motor Vehicle Census (triennial)	9309.0

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Motor Vehicle Registrations (annual) 9304.5 Vehicles on Register (annual) 9305.5

27. Current publications produced by the ABS are listed in the Catalogue of Publications and Products (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

- nil or rounded to zero
- r figure or series revised since last issue
- n.a. not available
 - break in continuity of series
- 28. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

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.

DIAL-A-STATISTIC

Phone 0055 86400 from anywhere, any time for the latest available data on the Consumer Price Index, National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, and Estimated Resident Population.

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