

Motor Vehicle Registrations Western Australia July 1994

MAIN FEATURES

In original terms, new motor vehicle registrations (excluding motor cycles) for July 1994 totalled 4,883, a decrease of 22.9 per cent compared with June 1994. Seasonally adjusted registrations fell by 9.8 per cent during this period. The trend estimate, however, continued to rise, up 1.3 per cent from June to July.

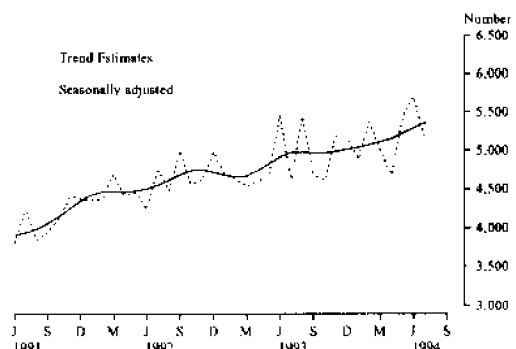
Registrations of new passenger vehicles for July 1994 decreased by 11.4 per cent compared with June 1994 and other vehicles showed a decrease of 51.5 per cent over this period. This decline in registrations for July follows the large upsurge in registrations during June, particularly in the other vehicles category.

Ford led the passenger vehicle market for July 1994 with 884 registrations (22.1 per cent) followed by Holden with 814 registrations (20.3 per cent) and Toyota with 613 registrations (15.3 per cent).

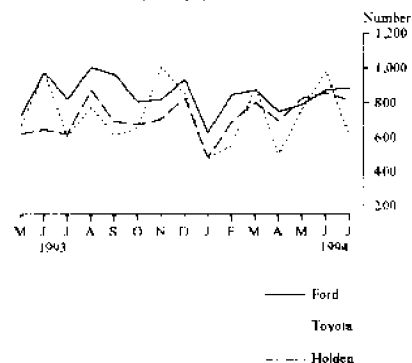
The light commercial vehicle market was led by Toyota with 181 registrations (25.3 per cent). Ford came next with 148 registrations (20.7 per cent), followed by Holden with 138 registrations (19.3 per cent).

The leading passenger vehicle models in July 1994 were the Holden Commodore/Calais with 13.5 per cent of the market and the Ford Falcon/Fairmont with 13.3 per cent. These were followed by the Mitsubishi Magna (6.3 per cent) and the Hyundai Excel (6.1 per cent).

NEW MOTOR VEHICLE REGISTRATIONS



NEW PASSENGER VEHICLES
TOP THREE MAKES



INQUIRIES

- For further information about these statistics and the availability of related unpublished statistics, contact Ian Mackley on (09) 360 5242.
- For other inquiries, including copies of publications, please contact Information Services on (09) 360 5140.

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

Period (b)	Passenger vehicles	Light commercial vehicles	Rigid trucks	Articulated trucks	Non-freight carrying trucks (c)	Buses	Motor cycles	Total	Perth Statistical Division
1991-92	41,979	7,664	1,024	109	101	675	1,814	53,366	41,926
1992-93	45,567	9,581	1,009	125	84	757	2,117	59,240	46,593
1993-94	48,589	10,350	1,102	232	67	735	2,103	63,178	49,074
1993									
May	3,497	863	81	14	7	61	112	4,635	3,580
June	4,467	1,286	128	19	4	108	98	6,110	4,605
July	3,742	719	94	14	6	52	134	4,761	3,777
August	4,799	657	79	16	5	42	134	5,732	4,583
September	3,861	726	88	8	6	55	142	4,886	3,918
October	3,674	753	88	17	6	49	156	4,743	3,675
November	4,203	984	91	26	5	52	327	5,688	4,479
December	4,429	829	97	26	9	81	169	5,640	4,386
1994									
January	3,326	631	60	25	6	46	172	4,266	3,243
February	4,054	752	102	17	4	87	237	5,253	4,117
March	4,475	1,043	94	10	9	72	184	5,887	4,492
April	3,322	774	80	24	4	46	177	4,427	3,345
May	4,199	967	85	19	6	52	149	5,477	4,216
June	4,520	1,542	135	28	6	101	122	6,454	4,863
July	4,004	715	104	11	4	45	102	4,985	3,919

(a) Excludes plant and equipment, caravans and trailers. (b) Financial year totals may not equal the sum of individual monthly totals due to ongoing data revisions. (c) Includes ambulances, hearses, fire engines and fire tenders, tow trucks, mobile cranes, machine mounted non-freight carrying trucks and motorised caravans.

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

Period	Passenger vehicles			Other vehicles			Total		
	Original	Seasonally	Trend	Original	Seasonally	Trend	Original	Seasonally	Trend
		adjusted	estimate		adjusted	estimate		adjusted	estimate
1993...									
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	3,982	885	922	990	4,627	4,621	4,972
August	4,799	4,556	4,005	799	885	973	5,598	5,441	4,978
September	3,861	3,773	4,003	883	927	959	4,744	4,700	4,962
October	3,674	3,735	4,004	913	879	961	4,587	4,614	4,965
November	4,203	4,085	4,009	1,158	1,110	977	5,361	5,195	4,986
December	4,429	4,150	4,019	1,042	1,047	993	5,471	5,197	5,012
1994...									
January	3,326	3,909	r4,034	768	971	r1,009	4,094	4,880	r5,043
February	4,054	4,380	r4,050	962	990	r1,022	5,016	5,370	r5,072
March	4,475	3,929	r4,065	1,228	1,074	r1,046	5,703	5,003	r5,111
April	3,322	3,708	r4,077	928	974	r1,080	4,250	4,682	r5,157
May	4,199	4,392	r4,108	1,129	1,049	r1,118	5,328	5,441	r5,226
June	4,520	4,166	r4,146	1,812	1,534	r1,152	6,332	5,700	r5,298
July	4,004	4,181	4,190	879	958	1,177	4,883	5,139	5,367

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

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

Period	Plant and equipment (a)	Caravans	Trailers			Total
			Box	Boat	Other	
PERTH STATISTICAL DIVISION						
1994...						
February	39	47	370	105	55	530
March	35	63	416	103	64	583
April	49	51	334	64	84	482
May	38	61	403	71	74	548
June	41	67	462	76	98	636
July	48	44	345	73	76	494
WESTERN AUSTRALIA						
1994						
February	62	62	421	173	86	680
March	80	95	478	158	111	747
April	91	76	393	123	137	653
May	97	97	469	131	120	720
June	97	102	525	123	146	794
July	91	73	395	108	125	628

(a) Includes tractors.

**TABLE 4 — REGISTRATIONS OF NEW PASSENGER VEHICLES BY MAKE AND TARE (a) —
JULY 1994**

Make	Western Australia							Perth	Statistical
	Tare (kg) -								
	Up to 900	901 - 1100	1101 - 1300	1301 - 1500	Over 1500	Not stated	Total		
Audi	—	—	6	5	—	—	11	0.3	11
Bentley	—	—	—	—	1	—	1	—	1
B.M.W.	—	—	13	15	4	—	32	0.8	31
Daewoo	—	2	—	—	—	—	2	—	2
Daihatsu	51	17	6	—	—	—	74	1.8	67
Eunos	—	—	11	2	—	—	13	0.3	10
Ford	90	202	26	277	289	—	884	22.1	728
Holden	75	82	51	559	47	—	814	20.3	688
Honda	—	46	28	44	3	—	121	3.0	116
Hyundai	—	255	73	6	—	—	334	8.3	271
Jeep	—	—	—	—	27	—	27	0.7	20
Lada	—	5	8	—	—	—	13	0.3	12
Land Rover	—	—	—	—	18	—	18	0.4	8
Lexus	—	—	—	—	3	—	3	0.1	3
Mazda	50	19	43	—	3	—	115	2.9	104
Mercedes Benz	—	—	—	18	4	—	22	0.5	20
Mitsubishi	55	37	18	262	82	—	454	11.3	370
Nissan	—	89	16	18	51	—	174	4.3	144
Peugeot	—	—	10	—	—	—	10	0.2	7
Porsche	—	—	—	1	—	—	1	—	1
Range Rover	—	—	—	—	3	—	3	0.1	2
Renault	—	4	—	—	—	—	4	0.1	3
Saab	—	—	3	18	—	—	21	0.5	20
Subaru	—	18	66	1	—	—	85	2.1	62
Suzuki	68	48	12	—	—	—	128	3.2	111
Toyota	3	139	180	120	171	—	613	15.3	487
Volkswagen	—	1	5	—	—	—	6	0.1	5
Volvo	—	1	—	19	—	—	20	0.5	17
Other and unknown	1	—	—	—	—	—	1	—	—
Total	393	965	575	1,365	706	—	4,004	100.0	3,321

(a) See paragraph 12 of the Explanatory Notes.

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

Make and model	July 1994		7 months to July 1994		Make and model	July 1994		7 months to July 1994	
	No.	Per cent (b)	No.	Per cent (b)		No.	Per cent (b)	No.	Per cent (b)
Ford					Mitsubishi				
Falcon/Fairmont	534	13.3	3,526	12.6	Magna	254	6.3	1,778	6.4
Laser	186	4.6	960	3.4	Lancer	95	2.4	646	2.3
Festiva	106	2.6	699	2.5	Pajero	67	1.7	448	1.6
Other	58	1.4	464	1.7	Other	38	0.9	303	1.1
Total	884	22.1	5,649	20.2	Total	454	11.3	3,175	11.4
Holden					Nissan				
Commodore/Calais	542	13.5	3,233	11.6	Patrol	43	1.1	428	1.5
Barina	112	2.8	866	3.1	Pulsar	85	2.1	420	1.5
Apollo	64	1.6	502	1.8	Bluebird	22	0.5	203	0.7
Other	96	2.4	564	2.0	Other	24	0.6	187	0.7
Total	814	20.3	5,165	18.5	Total	174	4.3	1,238	4.4
Hyundai					Toyota				
Excel	245	6.1	1,850	6.6	Camry	147	3.7	1,398	5.0
Lantra	23	0.6	262	0.9	Landeruiser	128	3.2	1,246	4.5
Sonata	56	1.4	236	0.8	Corolla	138	3.4	930	3.3
S	10	0.2	62	0.2	Other	200	5.0	1,206	4.3
Total	334	8.3	2,410	8.6	Total	613	15.3	4,780	17.1

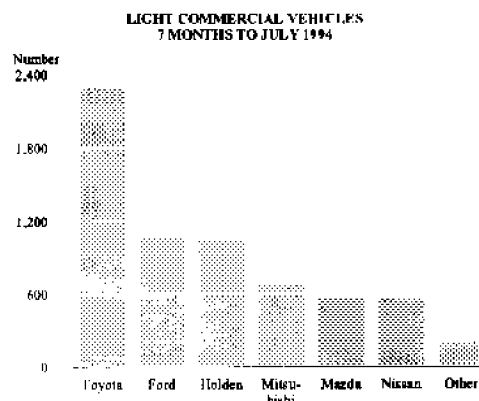
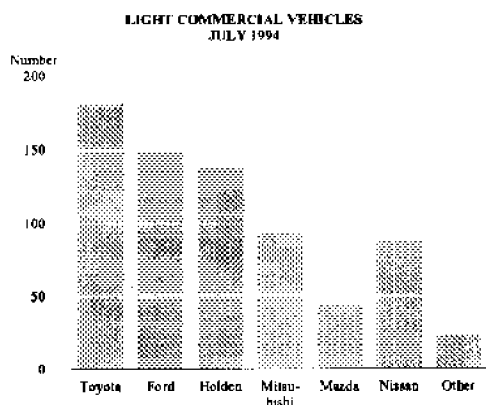
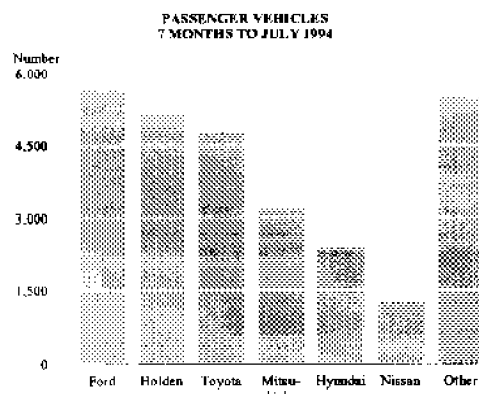
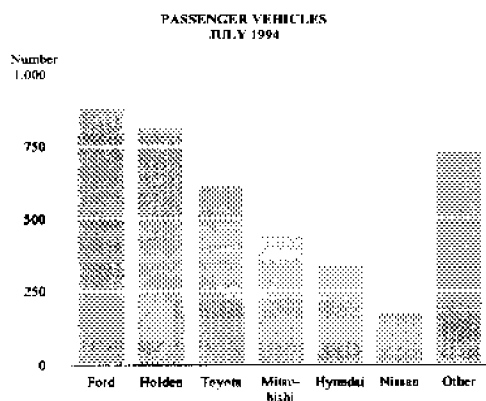
(a) See paragraph 12 of the explanatory notes. (b) Of total registrations of passenger vehicles.

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

Make	Western Australia						Total	Per cent	Perth Statistical Division
	Tare (kg) -								
	Up to 900	901 - 1100	1101 - 1300	1301 - 1500	Over 1500	Not stated			
Asia	—	—	1	—	—	—	1	0.1	1
Daihatsu	1	—	—	—	—	—	1	0.1	1
Ford	—	1	22	92	33	—	148	20.7	107
Holden	—	—	9	82	47	—	138	19.3	77
Hyundai	—	5	—	—	—	—	5	0.7	4
Kia	—	—	—	1	1	—	2	0.3	1
Land Rover	—	—	—	—	4	—	4	0.6	1
Mazda	—	—	7	19	18	—	44	6.2	26
Mitsubishi	—	—	58	15	20	—	93	13.0	73
Nissan	—	—	4	6	78	—	88	12.3	22
Suzuki	6	—	—	—	—	—	6	0.8	2
Toyota	—	—	37	25	119	—	181	25.3	108
Volkswagen	—	—	—	4	—	—	4	0.6	3
Total	7	6	138	244	320	—	715	100.0	426

(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 —
JULY 1994**

Western Australia												Perth Statistical Division
Rigid trucks							Articulated trucks					
Make	G.V.M. (tonnes) (a) -							Total	Per cent	Total	Per cent	
	Up to 4	Over 4 up to 8	Over 8 up to 12	Over 12 up to 16	Over 16 up to 30	Over 30	Not stated					
Daihatsu	—	1	—	—	—	—	—	1	1.0	—	—	—
Ford	—	9	—	—	1	—	—	10	9.6	—	—	8
Freighliner	—	—	—	—	—	—	—	—	—	1	9.1	1
Hino	—	—	9	4	—	—	—	13	12.5	1	9.1	11
International	—	—	—	4	5	—	—	9	8.7	—	—	6
Isuzu	—	6	4	7	2	—	—	19	18.3	—	—	15
Kenworth	—	—	—	—	—	—	—	—	—	1	9.1	—
Mack	—	—	—	—	—	—	—	—	—	4	36.4	2
Mazda	—	16	—	—	—	—	—	16	15.4	—	—	14
Mercedes Benz	—	—	—	1	—	—	—	1	1.0	—	—	—
Mitsubishi	—	12	3	3	—	—	—	18	17.3	—	—	9
Oka	—	1	—	—	—	—	—	1	1.0	—	—	1
Scania	—	—	—	—	1	—	—	1	1.0	2	18.2	2
Toyota	—	11	—	—	—	—	—	11	10.6	—	—	7
UD Nissan	—	—	1	2	—	—	—	3	2.9	—	—	2
Volvo	—	—	—	—	1	—	—	1	1.0	2	18.2	1
Total	—	56	17	21	10	—	—	104	100.0	11	100.0	79

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

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

Number of cylinders	Passenger vehicles		Light commercial vehicles		Trucks and buses		Total	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
PETROL								
2	1	—	—	—	—	—	1	—
3	47	1.2	1	0.2	—	—	48	1.1
4	2,163	55.4	329	72.9	2	66.7	2,494	57.2
5	13	0.3	—	—	—	—	13	0.3
6	1,538	39.4	109	24.2	1	33.3	1,648	37.8
8	120	3.1	10	2.2	—	—	130	3.0
Other and unknown	22	0.6	2	0.4	—	—	24	0.6
Total	3,904	100.0	451	100.0	3	100.0	4,358	100.0
DIESEL								
4	27	27.0	146	55.3	69	42.9	242	46.1
6	72	72.0	115	43.6	90	55.9	277	52.8
8	—	—	—	—	2	1.2	2	0.4
Other and unknown	1	1.0	3	1.1	—	—	4	0.8
Total	100	100.0	264	100.0	161	100.0	525	100.0
ALL FUEL TYPES								
2	1	—	—	—	—	—	1	—
3	47	1.2	1	0.1	—	—	48	1.0
4	2,190	54.7	475	66.4	71	43.3	2,736	56.0
5	13	0.3	—	—	—	—	13	0.3
6	1,610	40.2	224	31.3	91	55.5	1,925	39.4
8	120	3.0	10	1.4	2	1.2	132	2.7
Other and unknown	23	0.6	5	0.7	—	—	28	0.6
Total	4,004	100.0	715	100.0	164	100.0	4,883	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 — JULY 1994

Make	Western Australia							Total	Per cent	Division
	Cubic centimetres -									
	Up to 50	51 - 150	151 - 250	251 - 500	501 - 750	Over 750	Not stated			
B.M.W.	—	—	—	—	—	4	—	4	3.9	3
Ducati	—	—	—	—	2	2	—	4	3.9	3
Harley Davidson	—	—	—	—	—	14	—	14	13.7	7
Honda	1	—	6	1	12	7	—	27	26.5	17
Kawasaki	—	—	2	—	4	7	—	13	12.7	7
Motoguzzi	—	—	—	—	—	1	—	1	1.0	—
Suzuki	1	—	8	—	2	2	—	13	12.7	10
Triumph	—	—	—	—	—	2	—	2	2.0	1
Yamaha	3	1	11	2	4	3	—	24	23.5	13
Total	5	1	27	3	24	42	—	102	100.0	61

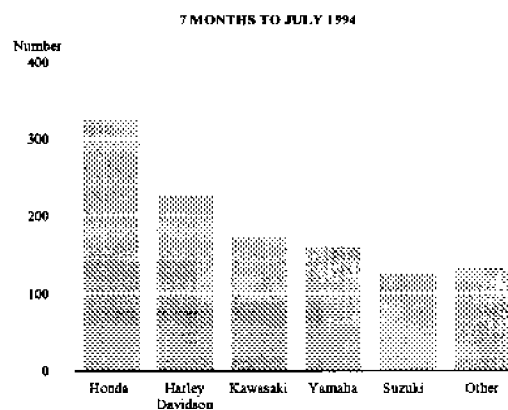
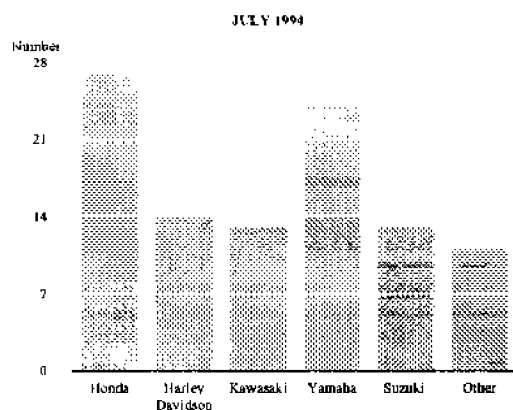


TABLE 10 — MOTOR VEHICLES (a) ON REGISTER, WESTERN AUSTRALIA ('000)

At 30 June	Passenger vehicles	Light commercial vehicles	Rigid trucks	Articulated trucks	Non-freight carrying trucks (b)	Buses	Motor cycles	Total	Perth 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 factory-new vehicles 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 cars, 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. *Buses.* Includes all passenger vehicles having more than nine seats, including the driver.

Seasonal adjustment and trend estimation

18. Original, seasonally 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

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.

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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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