

Motor Vehicle Registrations Western Australia April 1994

MAIN FEATURES

New motor vehicle registrations (excluding motor cycles) for April 1994 totalled 4,427, a decrease of 24.8 per cent compared with March 1994 (5,887). In seasonally adjusted terms, registrations fell by 6.4 per cent during this period. The trend estimate has declined by 1.9 per cent since January 1994.

Compared with April 1993 seasonally adjusted and trend estimate registrations have risen by 1.6 per cent and 4.7 per cent respectively, although registrations fell slightly by 0.9 per cent in original terms.

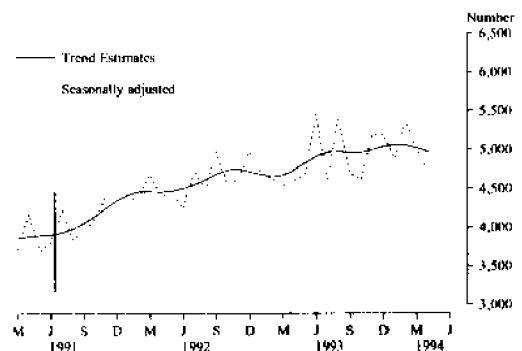
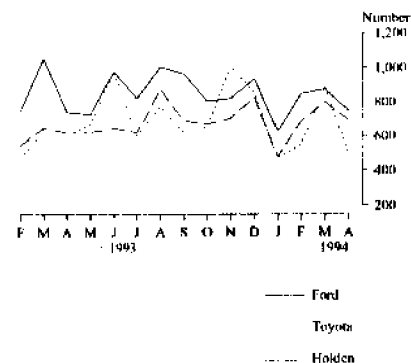
Passenger vehicle and light commercial vehicle registrations both fell in original terms by 25.8 per cent compared with March 1994. Of the other vehicle types, only articulated trucks showed an increase over this period.

Ford was the leading make in passenger vehicles in April 1994 with 750 registrations (22.6 per cent), followed by Holden with 694 registrations (20.9 per cent) and Toyota with 502 registrations (15.1 per cent).

Toyota dominated the light commercial market with 252 registrations (32.6 per cent) with Ford in second place with 174 registrations (22.5 per cent) followed by Holden with 127 registrations (16.4 per cent).

The Ford Falcon/Fairmont was the leading passenger vehicle model with 14.4 per cent of the market, followed closely by the Holden Commodore/Calais with 14.0 per cent. Next were the Mitsubishi Magna (6.5 per cent), the Hyundai Excel (4.8 per cent) and the Toyota Camry (4.5 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- For further information about these statistics and the availability of related unpublished statistics, contact Penny Scott on (09) 323 5292.
- For other inquiries, including copies of publications, please contact Information Services on (09) 323 5140.

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

Period	Passenger vehicles	Light commercial vehicles	Rigid trucks	Articulated trucks	Non-freight carrying trucks (b)	Buses	Motor cycles	Total	Perth Statistical Division
1990-91 (c)	36,926	6,507	3,497	138	74	658	2,784	50,584	40,004
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 - February	3,452	741	69	5	6	52	224	4,549	3,586
March	4,002	881	93	11	6	60	180	5,233	4,147
April	3,444	705	73	9	5	54	241	4,531	3,510
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

(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. (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

Period	Passenger vehicles			Other vehicles			Total		
	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate	Original	Seasonally adjusted	Trend estimate
1993 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	5,053	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	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	r4,004	913	879	960	4,587	4,614	r4,964
November	4,203	4,085	r4,017	1,158	1,110	r978	5,361	5,195	r4,995
December	4,429	4,150	r4,036	1,042	1,047	1,005	5,471	5,197	r5,041
1994 January	3,326	3,909	r4,045	768	971	r1,019	4,094	4,880	r5,064
February	4,054	4,380	r4,034	962	990	r1,021	5,016	5,370	r5,055
March	4,475	3,929	r4,007	1,228	1,074	r1,018	5,703	5,003	r5,025
April	3,322	3,708	3,953	928	974	1,015	4,250	4,682	4,968

(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						
1993 - November	30	54	394	115	99	608
December	37	42	437	114	90	641
1994 - January	33	43	407	92	64	563
February	39	47	370	105	55	530
March	35	63	416	103	64	583
April	49	51	334	64	84	482
WESTERN AUSTRALIA						
1993 - November	129	80	447	207	169	823
December	85	59	507	182	148	837
1994 - January	61	59	472	167	105	744
February	62	62	421	173	86	680
March	80	95	478	158	111	747
April	91	76	393	123	137	653

**TABLE 4 — REGISTRATIONS OF NEW PASSENGER VEHICLES BY MAKE AND TARE (a) —
APRIL 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			
Audi	—	—	—	4	—	—	4	0.1	4
B.M.W.	—	—	12	3	9	—	24	0.7	22
Daihatsu	56	25	13	2	1	—	97	2.9	77
Eunos	—	—	5	4	—	—	9	0.3	9
Ford	95	136	10	267	242	—	750	22.6	563
Holden	82	48	43	489	32	—	694	20.9	563
Honda	—	39	26	44	4	—	113	3.4	104
Hyundai	—	164	75	8	—	—	247	7.4	179
Jaguar	—	—	—	—	1	—	1	—	1
Lada	—	5	14	—	—	—	19	0.6	15
Land Rover	—	—	—	—	5	—	5	0.2	4
Lexus	—	—	—	—	4	—	4	0.1	4
Mazda	38	35	58	—	4	—	135	4.1	115
Mercedes Benz	—	—	1	20	1	—	22	0.7	20
Mitsubishi	53	28	18	235	60	—	394	11.9	320
Nissan	—	32	16	9	58	—	115	3.5	87
Peugeot	—	—	6	—	—	—	6	0.2	4
Porsche	—	—	—	3	—	—	3	0.1	3
Range Rover	—	—	—	—	3	—	3	0.1	3
Renault	—	1	—	—	—	—	1	—	1
Saab	—	—	1	20	—	—	21	0.6	19
Subaru	—	22	32	4	—	—	58	1.7	41
Suzuki	40	31	6	—	—	—	77	2.3	63
Toyota	4	102	136	119	141	—	502	15.1	406
Volkswagen	—	—	1	—	—	—	1	—	1
Volvo	—	1	—	15	1	—	17	0.5	15
Total	368	669	473	1,246	566	—	3,322	100.0	2,643

(a) See paragraph 12 of the Explanatory Notes.

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

Make and model	April 1994		4 months to April 1994		Make and model	April 1994		4 months to April 1994	
	No.	Per cent (b)	No.	Per cent (b)		No.	Per cent (b)	No.	Per cent (b)
Ford					Mitsubishi				
Falcon/Fairmont	478	14.4	1,928	12.7	Magna	215	6.5	973	6.4
Laser	111	3.3	474	3.1	Lancer	83	2.5	359	2.4
Festiva	114	3.4	402	2.6	Pajero	55	1.7	257	1.7
Other	47	1.4	297	2.0	Other	41	1.2	198	1.3
Total	750	22.6	3,101	20.4	Total	394	11.9	1,787	11.8
Holden					Nissan				
Commodore/Calais	465	14.0	1,651	10.9	Patrol	51	1.5	281	1.9
Barina	99	3.0	477	3.1	Pulsar	32	1.0	256	1.7
Apollo	67	2.0	283	1.9	Bluebird	19	0.6	130	0.9
Other	63	1.9	255	1.7	Other	13	0.4	114	0.8
Total	694	20.9	2,666	17.6	Total	115	3.5	781	5.1
Hyundai					Toyota				
Excel	161	4.8	1,113	7.3	Camry	151	4.5	635	4.2
Lantra	48	1.4	156	1.0	Landcruiser	108	3.3	601	4.0
Sonata	35	1.1	110	0.7	Corolla	107	3.2	573	3.8
S	3	0.1	25	0.2	Other	136	4.1	609	4.0
Total	247	7.4	1,404	9.3	Total	502	15.1	2,418	15.9

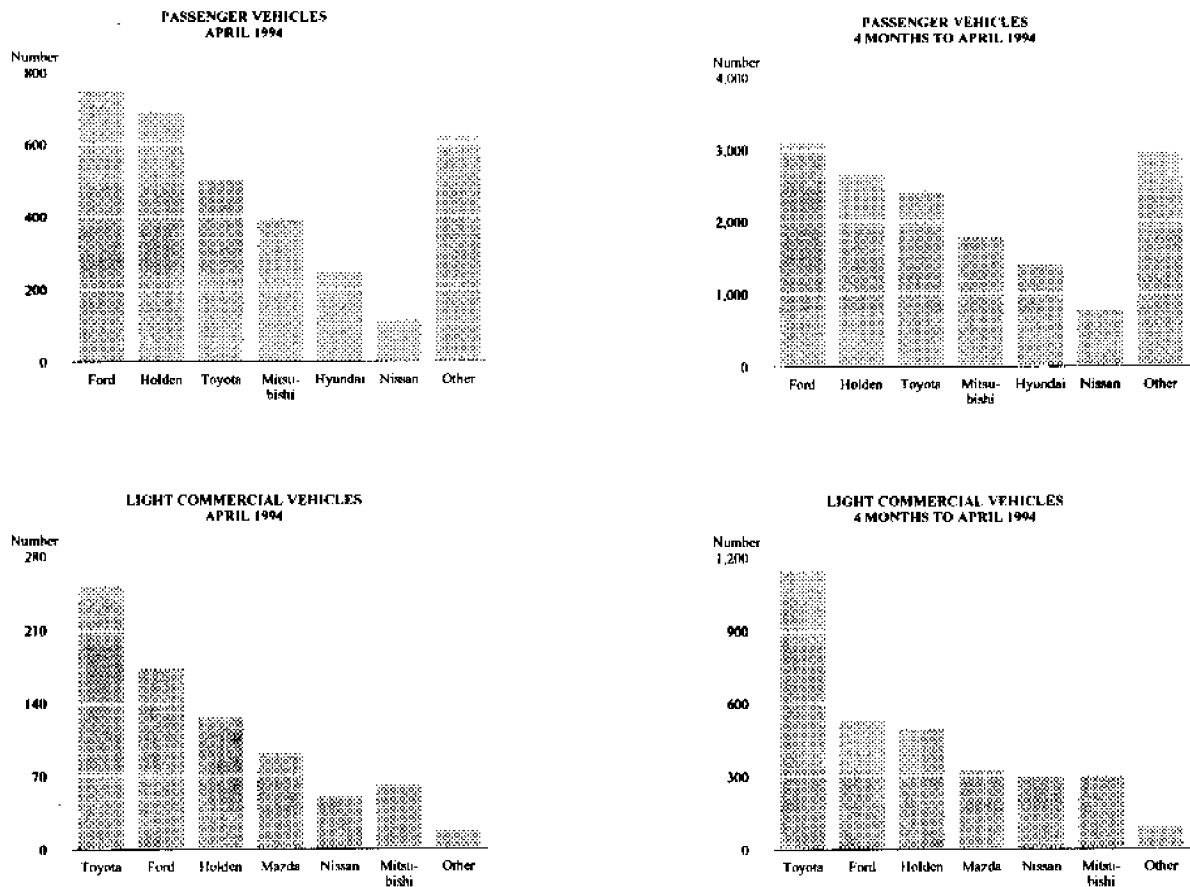
(a) See paragraph 12 of the explanatory notes. (b) Of total registrations of passenger vehicles.

TABLE 6 — REGISTRATIONS OF NEW LIGHT COMMERCIAL VEHICLES BY MAKE AND TARE (a) — APRIL 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	—	
Daihatsu	1	—	—	—	—	—	1	0.1	—	
Ford	—	—	20	121	33	—	174	22.5	120	
Holden	—	—	11	63	53	—	127	16.4	65	
Hyundai	—	5	—	—	—	—	5	0.6	5	
Land Rover	—	—	—	—	3	—	3	0.4	—	
Mazda	—	—	14	37	41	—	92	11.9	74	
Mitsubishi	—	—	36	10	16	—	62	8.0	42	
Nissan	1	—	3	4	41	—	49	6.3	13	
Suzuki	4	—	—	—	—	—	4	0.5	1	
Toyota	—	3	55	47	147	—	252	32.6	156	
Volkswagen	—	—	—	4	—	—	4	0.5	4	
Total	6	8	140	286	334	—	774	100.0	480	

(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 —
APRIL 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	—	3	—	—	—	—	—	3	3.7	—	—	2
Ford	—	2	—	—	3	—	—	5	6.3	1	4.2	4
Hino	—	—	2	2	1	—	—	5	6.3	1	4.2	5
International	—	—	—	3	7	—	—	10	12.5	1	4.2	6
Isuzu	—	4	7	5	6	—	—	22	27.5	—	—	15
Kenworth	—	—	—	—	—	—	—	—	—	7	29.2	2
Mack	—	—	—	—	—	—	—	—	—	3	12.5	2
Mazda	—	4	—	—	—	—	—	4	5.0	—	—	4
Mercedes Benz	—	—	—	1	—	—	—	1	1.2	2	8.3	2
Mitsubishi	—	7	3	4	1	—	—	15	18.8	—	—	11
Oka	—	1	—	—	—	—	—	1	1.2	—	—	1
Scania	—	—	—	—	—	—	—	—	—	3	12.5	2
Toyota	3	6	—	—	—	—	—	9	11.2	—	—	6
UD Nissan	—	—	1	1	1	—	—	3	3.7	—	—	1
Volvo	—	—	—	1	—	—	—	1	1.2	5	20.8	3
Western Star	—	—	—	—	—	—	—	—	—	1	4.2	1
Other and unknown	—	—	—	—	1	—	—	1	1.2	—	—	1
Total	3	27	13	17	20	—	—	80	100.0	24	100.0	68

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

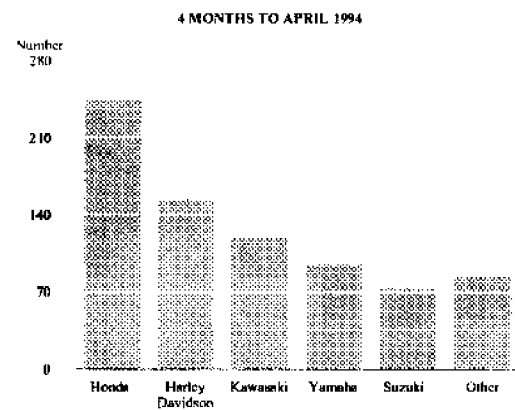
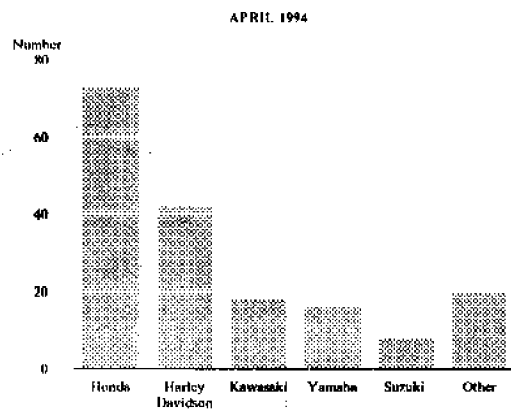
TABLE 8 — REGISTRATIONS OF NEW VEHICLES BY FUEL TYPE, NUMBER OF CYLINDERS AND BODY TYPE (a) — APRIL 1994

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								
3	26	0.8	1	0.2	—	—	27	0.7
4	1,766	55.1	369	73.4	1	33.3	2,136	57.6
5	8	0.2	—	—	—	—	8	0.2
6	1,299	40.6	119	23.7	1	33.3	1,419	38.3
8	87	2.7	6	1.2	1	33.3	94	2.5
Other and unknown	17	0.5	8	1.6	—	—	25	0.7
Total	3,203	100.0	503	100.0	3	100.0	3,709	100.0
DIESEL								
4	17	14.4	152	56.9	40	26.5	209	39.0
6	97	82.2	114	42.7	105	69.5	316	59.0
8	—	—	—	—	6	4.0	6	1.1
Other and unknown	4	3.4	1	0.4	—	—	5	0.9
Total	118	100.0	267	100.0	151	100.0	536	100.0
GAS								
4	—	—	4	100.0	—	—	4	80.0
6	1	100.0	—	—	—	—	1	20.0
Total	1	100.0	4	100.0	—	—	5	100.0
ALL FUEL TYPES								
3	26	0.8	1	0.1	—	—	27	0.6
4	1,783	53.7	525	67.8	41	26.6	2,349	55.3
5	8	0.2	—	—	—	—	8	0.2
6	1,397	42.1	233	30.1	106	68.8	1,736	40.8
8	87	2.6	6	0.8	7	4.5	100	2.4
Other and unknown	21	0.6	9	1.2	—	—	30	0.7
Total	3,322	100.0	774	100.0	154	100.0	4,250	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 —
APRIL 1994**

Make	Western Australia							Total	Per cent	Perth Statistical Division
	Cubic centimetres -									
	Up to 50	51 - 150	151 - 250	251 - 500	501 - 750	Over 750	Not stated			
B.M.W.	—	—	—	—	1	6	—	7	4.0	6
Ducati	—	—	—	—	2	7	—	9	5.1	6
Harley Davidson	—	—	—	—	—	42	—	42	23.7	24
Honda	2	41	5	—	20	5	—	73	41.2	56
Kawasaki	—	—	7	—	6	5	—	18	10.2	11
KTM	—	—	—	—	1	—	—	1	0.6	—
Motoguzzi	—	—	—	—	—	1	—	1	0.6	1
Suzuki	2	—	4	—	1	1	—	8	4.5	4
Triumph	—	—	—	—	—	2	—	2	1.1	2
Yamaha	7	—	2	—	5	2	—	16	9.0	8
Total	11	41	18	—	36	71	—	177	100.0	118



**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 minibuses 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. *Omnibuses.* 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

WESTERN AUSTRALIA

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.

P. C. KELLY
Deputy Commonwealth Statistician
and Government Statistician



