

Motor Vehicle Registrations Western Australia June 1994

CHANGES IN THIS ISSUE

This June issue contains new motor vehicle registrations data for the 1993-94 financial year. The majority of the information was previously published in the discontinued catalogue 9304.5. The data appear on pages 7 to 10.

MAIN FEATURES

In original terms, new motor vehicle registrations (excluding motor cycles) for June 1994 increased by 18.8 per cent compared with May 1994. Seasonally adjusted registrations rose by 4.8 per cent during this period, while the trend estimate, influenced by the large upsurge in June registrations, increased by 2.1 per cent.

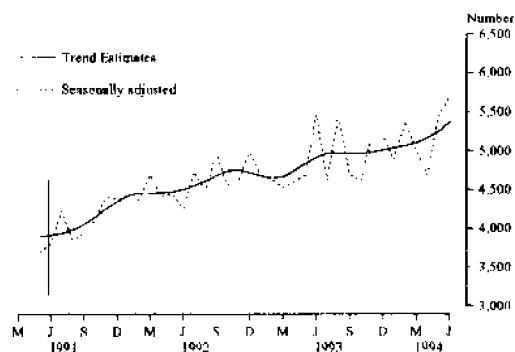
Passenger vehicle registrations for June 1994 increased by 7.6 per cent compared with May 1994 and other vehicles showed an increase of 60.5 per cent over this period. An increase of 59.5 per cent in light commercial vehicle registrations contributed to this strong showing in the other vehicle category.

Toyota was the passenger vehicle market leader in June 1994 with 984 registrations (21.8 per cent) followed by Ford with 876 registrations (19.4 per cent) and Holden with 859 registrations (19.0 per cent).

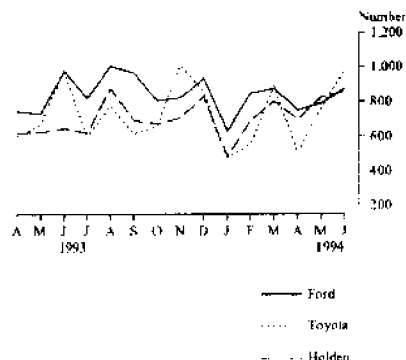
The light commercial vehicle market was led also by Toyota with 639 registrations (41.4 per cent). Holden came next with 228 registrations (14.8 per cent), followed by Ford with 198 registrations (12.8 per cent) and Mitsubishi with 190 registrations (12.3 per cent).

The leading passenger vehicle model in June 1994 was the Ford Falcon/Fairmont with 12.5 per cent of registrations. The Holden Commodore/Calais was next with 11.5 per cent, followed by the Toyota Camry (7.6 per cent) and the Toyota Landcruiser (7.4 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- For further information about these statistics and the availability of related unpublished statistics, contact Ian Mackley on (09) 360 5207.
- For other inquiries, including copies of publications, please contact Information Services on (09) 360 5140.

PART 1 – JUNE 1994

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
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— 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
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

(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.

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— 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	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	r4,019	1,042	1,047	r993	5,471	5,197	r5,012
1994— January	3,326	3,909	r4,036	768	971	r1,003	4,094	4,880	r5,039
February	4,054	4,380	r4,054	962	990	r1,013	5,016	5,370	r5,067
March	4,475	3,929	r4,063	1,228	1,074	r1,042	5,703	5,003	r5,105
April	3,322	3,708	r4,074	928	974	r1,095	4,250	4,682	r5,169
May	4,199	4,392	r4,094	1,129	1,049	r1,162	5,328	5,441	r5,256
June	4,520	4,166	4,125	1,812	1,534	1,242	6,332	5,700	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— 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
May	38	61	403	71	74	548
June	41	67	462	76	98	636
WESTERN AUSTRALIA						
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
May	97	97	469	131	120	720
June	97	102	525	123	146	794

(a) Includes tractors.

TABLE 4 — REGISTRATIONS OF NEW PASSENGER VEHICLES BY MAKE AND TARE (a) —
JUNE 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	—	—	3	7	—	—	10	0.2	8
B.M.W.	—	—	30	17	8	—	55	1.2	53
Daihatsu	74	17	21	—	—	—	112	2.5	98
Eunos	—	—	9	3	—	—	12	0.3	11
Ford	64	190	14	296	312	—	876	19.4	682
Holden	85	103	75	546	50	—	859	19.0	718
Honda	—	65	41	56	3	—	165	3.7	156
Hyundai	—	266	62	2	—	—	330	7.3	266
Jaguar	—	—	—	—	1	—	1	—	1
Jeep	—	—	—	—	1	—	1	—	—
Lada	—	3	7	—	—	—	10	0.2	9
Land Rover	—	—	—	—	30	—	30	0.7	21
Lexus	—	—	—	—	2	—	2	—	1
Mazda	84	42	54	—	8	—	188	4.2	162
Mercedes Benz	—	—	—	7	2	—	9	0.2	9
Mitsubishi	58	37	23	273	78	—	469	10.4	383
Nissan	—	45	16	21	59	—	141	3.1	114
Peugeot	—	—	10	—	—	—	10	0.2	8
Porsche	—	—	—	1	—	—	1	—	1
Range Rover	—	—	—	—	6	—	6	0.1	4
Renault	—	6	—	—	—	—	6	0.1	4
Saab	—	—	3	14	—	—	17	0.4	16
Subaru	—	15	68	—	—	—	83	1.8	63
Suzuki	76	28	8	—	—	—	112	2.5	97
Toyota	1	100	306	206	371	—	984	21.8	778
Volkswagen	—	3	—	—	—	—	3	0.1	3
Volvo	—	5	—	22	—	—	27	0.6	24
Other and unknown	—	—	—	—	1	—	1	—	—
Total	442	925	750	1,471	932	—	4,520	100.0	3,690

(a) See paragraph 12 of the Explanatory Notes.

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

Make and model	June 1994		6 months to June 1994		Make and model	June 1994		6 months to June 1994	
	No.	Per cent (b)	No.	Per cent (b)		No.	Per cent (b)	No.	Per cent (b)
Ford—					Mitsubishi				
Falcon/Fairmont	566	12.5	2,992	12.5	Magna	269	6.0	1,524	6.4
Laser	172	3.8	774	3.2	Lancer	97	2.1	551	2.3
Festiva	78	1.7	593	2.5	Pajero	71	1.6	381	1.6
Other	60	1.3	406	1.7	Other	32	0.7	265	1.1
Total	876	19.4	4,765	19.9	Total	469	10.4	2,721	11.4
Holden—					Nissan—				
Commodore/Calais	522	11.5	2,691	11.3	Patrol	52	1.2	385	1.6
Barina	121	2.7	754	3.2	Pulsar	43	1.0	335	1.4
Apollo	90	2.0	438	1.8	Bluebird	25	0.6	181	0.8
Other	126	2.8	468	2.0	Other	21	0.5	163	0.7
Total	859	19.0	4,351	18.2	Total	141	3.1	1,064	4.5
Hyundai—					Toyota—				
Excel	250	5.5	1,605	6.7	Camry	343	7.6	1,251	5.2
Lantra	31	0.7	239	1.0	Landcruiser	336	7.4	1,118	4.7
Sonata	33	0.7	180	0.8	Corolla	97	2.1	792	3.3
S	16	0.4	52	0.2	Other	208	4.6	1,006	4.2
Total	330	7.3	2,076	8.7	Total	984	21.8	4,167	17.4

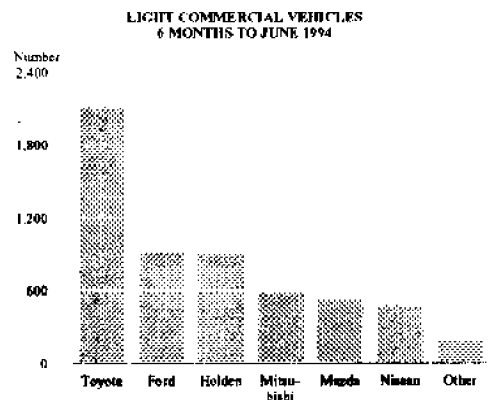
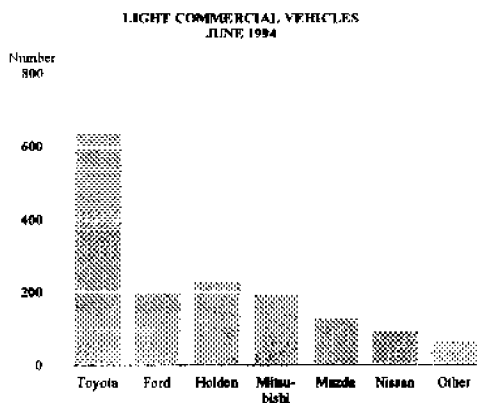
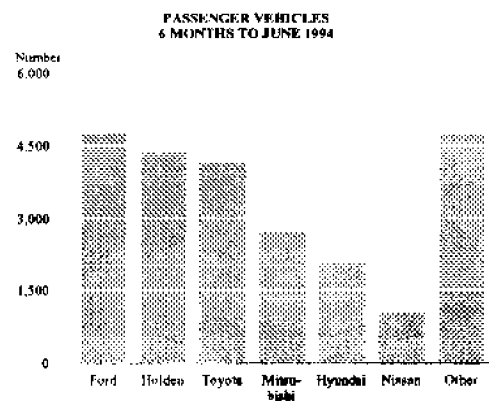
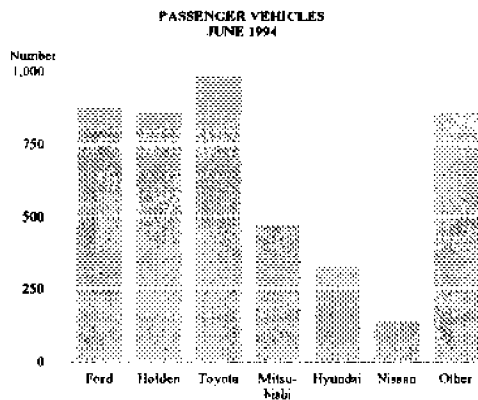
(a) See paragraph 12 of the explanatory notes. (b) Of total registrations of passenger vehicles.

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

Make	Western Australia						Total	Per cent	Division
	Tare (kg) -								
	Up to 900	901 - 1100	1101 - 1300	1301 - 1500	Over 1500	Not stated			
Asia	—	—	1	—	—	—	1	0.1	1
Daihatsu	4	—	—	—	—	—	4	0.3	4
Ford	—	—	23	134	41	—	198	12.8	121
Holden	—	1	21	113	93	—	228	14.8	124
Hyundai	—	9	—	—	—	—	9	0.6	9
Jeep	—	—	—	—	22	—	22	1.4	14
Kia	—	—	—	1	—	—	1	0.1	1
Land Rover	—	3	—	—	8	—	11	0.7	4
Mazda	—	—	16	66	48	—	130	8.4	83
Mitsubishi	—	—	119	35	36	—	190	12.3	139
Nissan	—	—	8	8	77	—	93	6.0	27
Suzuki	5	2	—	—	—	—	7	0.5	2
Toyota	1	2	106	98	432	—	639	41.4	372
Volkswagen	—	—	—	9	—	—	9	0.6	9
Total	10	17	294	464	757	—	1,542	100.0	910

(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 —
JUNE 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	—	2	—	—	—	—	—	2	1.5	—	—	1
Ford	—	13	—	—	1	—	—	14	10.4	—	—	13
Freightliner	—	—	—	—	—	—	—	—	—	1	3.6	1
Hino	—	—	9	1	1	—	—	11	8.1	—	—	9
International	—	—	—	3	3	—	—	6	4.4	1	3.6	5
Isuzu	—	21	5	6	1	—	—	33	24.4	—	—	27
Kenworth	—	—	—	—	—	—	—	—	—	5	17.9	4
Mack	—	—	—	—	2	—	—	2	1.5	3	10.7	—
Mazda	—	14	—	—	—	—	—	14	10.4	—	—	14
Mercedes Benz	—	—	1	—	4	—	—	5	3.7	2	7.1	6
Mitsubishi	—	14	11	2	2	—	—	29	21.5	—	—	21
Scania	—	—	—	—	1	—	—	1	0.7	3	10.7	2
Toyota	4	5	—	—	—	—	—	9	6.7	—	—	9
UD Nissan	—	—	1	2	4	—	—	7	5.2	—	—	4
Volvo	—	—	—	—	2	—	—	2	1.5	11	39.3	9
Western Star	—	—	—	—	—	—	—	—	—	2	7.1	1
Total	4	69	27	14	21	—	—	135	100.0	28	100.0	126

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

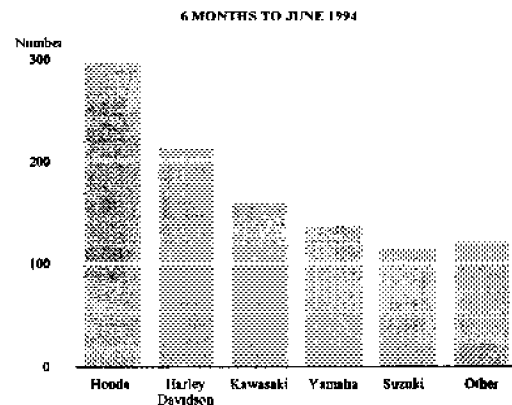
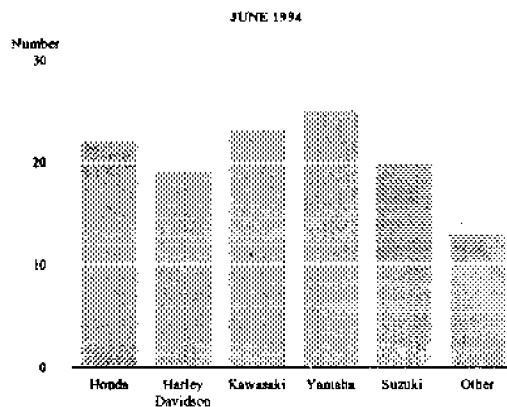
TABLE 8 — REGISTRATIONS OF NEW VEHICLES BY FUEL TYPE, NUMBER OF CYLINDERS AND BODY TYPE (a) — JUNE 1994

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	51	1.2	4	0.5	—	—	55	1.1
4	2,403	55.6	686	78.6	3	60.0	3,092	59.5
5	18	0.4	—	—	—	—	18	0.3
6	1,690	39.1	170	19.5	1	20.0	1,861	35.8
8	132	3.1	13	1.5	1	20.0	146	2.8
Other and unknown	28	0.6	—	—	—	—	28	0.5
Total	4,322	100.0	873	100.0	5	100.0	5,200	100.0
DIESEL								
2	—	—	1	0.1	—	—	1	0.1
4	42	21.4	361	54.0	89	33.6	492	43.6
6	154	78.6	306	45.8	167	63.0	627	55.5
8	—	—	—	—	9	3.4	9	0.8
Total	196	100.0	668	100.0	265	100.0	1,129	100.0
GAS								
6	1	100.0	—	—	—	—	1	100.0
Total	1	100.0	—	—	—	—	1	100.0
OTHER								
4	—	—	1	100.0	—	—	1	50.0
6	1	100.0	—	—	—	—	1	50.0
Total	1	100.0	1	100.0	—	—	2	100.0
ALL FUEL TYPES								
2	—	—	1	0.1	—	—	1	—
3	51	1.1	4	0.3	—	—	55	0.9
4	2,445	54.1	1,048	68.0	92	34.1	3,585	56.6
5	18	0.4	—	—	—	—	18	0.3
6	1,846	40.8	476	30.9	168	62.2	2,490	39.3
8	132	2.9	13	0.8	10	3.7	155	2.4
Other and unknown	28	0.6	—	—	—	—	28	0.4
Total	4,520	100.0	1,542	100.0	279	100.0	6,332	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 —
JUNE 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	4	—	5	4.1	5
Ducati	—	—	—	—	—	1	—	1	0.8	1
Harley Davidson	—	—	—	—	—	19	—	19	15.6	9
Honda	4	—	7	—	10	1	—	22	18.0	12
Kawasaki	—	—	5	—	6	12	—	23	18.9	18
KTM	—	—	—	1	—	—	—	1	0.8	1
Motoguzzi	—	—	—	—	—	3	—	3	2.5	3
Suzuki	7	1	2	1	7	2	—	20	16.4	15
Triumph	—	—	—	—	—	2	—	2	1.6	1
Yamaha	13	1	6	2	2	1	—	25	20.5	9
Other and unknown	—	—	—	—	—	—	1	1	0.8	1
Total	24	2	20	4	26	45	1	122	100.0	75



**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.

PART 2 - 1993-94

TABLE 11 - NEW MOTOR VEHICLES REGISTERED

Year	Passenger vehicles	Light commercial vehicles	Rigid trucks	Articulated trucks	Non-freight carrying trucks	Buses	Motor cycles	Total
PERTH STATISTICAL DIVISION								
1988-89	35,632	5,492	3,098	163	80	480	1,597	46,542
1989-90	34,167	5,563	2,760	179	67	451	1,878	45,065
1990-91 (a)	30,468	4,874	2,158	103	59	481	1,861	40,004
1991-92	34,549	4,895	772	64	83	458	1,105	41,926
1992-93	37,813	5,901	777	82	63	516	1,441	46,593
1993-94	39,844	6,265	835	142	50	468	1,470	49,074
WESTERN AUSTRALIA								
1988-89	44,100	7,376	5,766	256	95	656	2,522	60,771
1989-90	42,728	7,625	5,135	256	88	631	2,875	59,338
1990-91 (a)	36,926	6,507	3,497	138	74	658	2,784	50,584
1991-92	41,979	7,664	1,024	109	101	675	1,814	53,366
1992-93	45,567	9,581	1,009	125	84	757	2,117	59,240
1993-94	48,589	10,350	1,102	232	67	735	2,103	63,178

(a) Break in the series. see paragraph 2 in the explanatory notes.

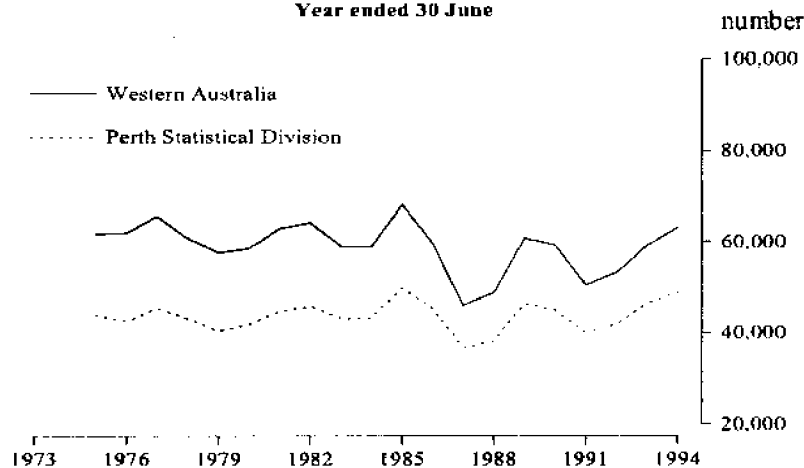
REGISTRATIONS OF NEW MOTOR VEHICLES
PERTH STATISTICAL DIVISION AND WESTERN AUSTRALIA
Year ended 30 June

TABLE 12 - REGISTRATIONS OF NEW PLANT AND EQUIPMENT, CARAVANS AND TRAILERS

Year	Plant and equipment (a)	Caravans	Trailers				Total
			Box	Boat	Other		
PERTH STATISTICAL DIVISION							
1988-89	480	756	6,942	1,207	599	8,748	
1989-90	596	638	6,056	971	705	7,732	
1990-91	336	474	4,334	645	381	5,360	
1991-92	321	491	3,640	639	647	4,926	
1992-93	383	584	4,306	697	804	5,807	
1993-94	455	623	4,718	1,031	915	6,664	
WESTERN AUSTRALIA							
1988-89	997	1,175	8,143	1,720	897	10,760	
1989-90	1,153	977	7,036	1,475	1,024	9,535	
1990-91	672	687	4,999	951	574	6,524	
1991-92	685	700	4,180	1,041	1,030	6,251	
1992-93	852	873	4,830	1,182	1,239	7,251	
1993-94	998	910	5,416	1,740	1,519	8,675	

(a) Includes tractors.

TABLE 13 – REGISTRATIONS OF NEW PASSENGER VEHICLES BY MAKE AND TARE (a) —
1993-94

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	—	—	18	—	—	—	18	—	10
Audi	—	—	40	35	1	—	76	0.2	69
Bentley	—	—	—	—	1	—	1	—	1
B.M.W.	—	—	251	99	64	—	414	0.9	393
Daihatsu	1,074	268	185	14	22	—	1,563	3.2	1,379
Eunos	—	—	102	13	—	—	115	0.2	110
Ferrari	—	—	—	1	—	—	1	—	1
Ford	1,029	1,806	356	3,756	3,161	—	10,108	20.8	7,941
Holden	1,241	591	631	5,846	426	—	8,735	18.0	7,204
Honda	1	609	404	379	28	—	1,421	2.9	1,323
Hyundai	—	3,327	726	32	1	—	4,086	8.4	3,262
Jaguar	—	—	—	—	19	—	19	—	18
Jeep	—	—	—	—	28	—	28	0.1	16
Lada	—	36	169	—	—	—	205	0.4	172
Land Rover	—	—	—	—	368	—	368	0.8	261
Lexus	—	—	—	—	52	—	52	0.1	45
Mazda	540	432	594	—	74	—	1,640	3.4	1,404
Mercedes Benz	—	—	48	98	37	—	183	0.4	170
Mitsubishi	685	608	316	3,587	805	—	6,001	12.4	5,001
Nissan	—	809	286	230	854	—	2,179	4.5	1,760
Peugeot	5	3	76	1	—	—	85	0.2	71
Porsche	—	—	—	14	4	—	18	—	18
Range Rover	—	—	—	—	57	—	57	0.1	47
Renault	—	41	—	—	—	—	41	0.1	33
Saab	—	—	44	129	1	—	174	0.4	169
Subaru	—	343	423	38	2	—	806	1.7	626
Suzuki	650	409	162	—	—	—	1,221	2.5	1,000
Toyota	59	2,051	2,252	1,907	2,406	—	8,675	17.9	7,087
Volkswagen	—	23	2	—	8	—	33	0.1	33
Volvo	—	38	1	213	8	—	260	0.5	216
Other and unknown	4	1	—	—	1	—	6	—	4
Total	5,288	11,395	7,086	16,392	8,428	—	48,589	100.0	39,844

(a) See paragraph 12 of the Explanatory Notes.

TABLE 14 – REGISTRATIONS OF NEW LIGHT COMMERCIAL VEHICLES BY MAKE AND TARE (a) —
1993-94

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	—	—	3	—	—	—	3	—	2
Daihatsu	17	—	—	—	22	—	39	0.4	30
Ford	—	—	180	1,250	327	—	1,757	17.0	1,146
Holden	—	1	137	919	663	—	1,720	16.6	964
Hyundai	—	66	—	—	—	—	66	0.6	66
Jeep	—	—	—	—	22	—	22	0.2	14
Kia	—	—	2	13	6	—	21	0.2	16
Land Rover	—	3	—	—	55	—	58	0.6	22
Mahindra	—	—	1	—	—	—	1	—	1
Mazda	1	1	97	420	333	—	852	8.2	640
Mitsubishi	2	—	661	230	269	—	1,162	11.2	804
Nissan	3	—	41	128	607	2	781	7.5	304
Subaru	—	41	—	—	—	—	41	0.4	6
Suzuki	48	9	—	—	—	—	57	0.6	14
Toyota	2	11	640	678	2,405	—	3,736	36.1	2,205
Volkswagen	—	—	1	33	—	—	34	0.3	31
Total	73	132	1,763	3,671	4,709	2	10,350	100.0	6,265

(a) See paragraph 13 of the Explanatory Notes.

TABLE 15 — REGISTRATIONS OF NEW RIGID AND ARTICULATED TRUCKS BY MAKE —
1993-94

Western Australia												Perth
Rigid trucks							Articulated trucks		Statistical	Division		
Make	G.V.M. (tonnes) (a) -						Not stated	Total			Per cent	Total
	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						
Daihatsu	6	9	—	—	—	—	—	15	1.4	—	—	10
Ford	—	74	—	2	21	—	—	97	8.8	11	4.7	80
Freightliner	—	—	—	—	—	—	—	—	—	6	2.6	6
Hino	—	—	51	44	8	—	—	103	9.3	1	0.4	88
International	—	—	—	33	39	—	1	73	6.6	12	5.2	57
Isuzu	—	126	78	48	23	—	—	275	25.0	—	—	219
Kenworth	—	—	—	—	1	—	—	1	0.1	51	22.0	26
Mack	—	—	—	—	4	—	—	4	0.4	29	12.5	20
MAN	—	—	—	1	4	—	1	6	0.5	3	1.3	2
Mazda	—	99	—	—	—	—	—	99	9.0	—	—	92
Mercedes Benz	—	—	1	13	6	—	—	20	1.8	17	7.3	26
Mitsubishi	—	126	48	42	20	3	—	239	21.7	1	0.4	166
Oka	—	37	—	—	—	—	—	37	3.4	—	—	27
Scania	—	—	—	2	7	—	—	9	0.8	22	9.5	10
Toyota	18	54	—	—	—	—	—	72	6.5	—	—	50
UD Nissan	—	—	5	15	9	—	—	29	2.6	4	1.7	22
Volvo	—	—	—	4	15	—	1	20	1.8	66	28.4	67
Western Star	—	—	—	—	—	—	—	—	—	9	3.9	6
Other and unknown	—	—	—	—	3	—	—	3	0.3	—	—	3
Total	24	525	183	204	160	3	3	1,102	100.0	232	100.0	977

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

TABLE 16 — REGISTRATIONS OF NEW MOTOR CYCLES BY MAKE AND CUBIC CAPACITY OF ENGINE —
1993-94

Western Australia										Perth	
Cubic centimetres -								Total	Per cent		Statistical
Make	Up to 50	51 - 150	151 - 250	251 - 500	501 - 750	Over 750	Not stated				
B.M.W.	—	—	—	—	11	60	—	71	3.4	58	
Ducati	—	—	—	—	15	51	—	66	3.1	51	
Harley Davidson	—	—	—	—	—	384	—	384	18.3	263	
Honda	72	246	70	—	188	68	—	644	30.6	484	
Husqvarna	—	—	2	1	3	—	—	6	0.3	1	
Kawasaki	—	1	139	5	97	81	—	323	15.4	209	
KTM	—	—	—	6	2	—	—	8	0.4	4	
Motoguzzi	—	—	—	—	1	23	—	24	1.1	18	
Suzuki	69	3	77	11	55	32	—	247	11.7	169	
Triumph	—	—	—	—	—	30	—	30	1.4	24	
Yamaha	87	1	103	17	42	32	1	283	13.5	172	
Other and unknown	8	7	—	1	—	—	1	17	0.8	17	
Total	236	258	391	41	414	761	2	2,103	100.0	1,470	

TABLE 17 – REGISTRATIONS OF NEW VEHICLES BY FUEL TYPE, NUMBER OF CYLINDERS AND BODY TYPE (a) —
1993-94

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								
1	—	—	1	—	—	—	1	—
2	—	—	1	—	—	—	1	—
3	759	1.6	18	0.3	—	—	777	1.5
4	26,762	57.1	4,529	73.0	32	35.6	31,323	59.0
5	163	0.3	4	0.1	—	—	167	0.3
6	17,518	37.4	1,547	24.9	39	43.3	19,104	36.0
8	1,304	2.8	89	1.4	18	20.0	1,411	2.7
12	2	—	—	—	—	—	2	—
Other and unknown	331	0.7	15	0.2	1	1.1	347	0.7
Total	46,839	100.0	6,204	100.0	90	100.0	53,133	100.0
DIESEL								
2	—	—	4	0.1	—	—	4	0.1
3	—	—	1	—	—	—	1	—
4	366	21.1	2,286	55.4	652	31.9	3,304	41.8
6	1,353	78.0	1,824	44.2	1,331	65.1	4,508	57.0
8	—	—	2	—	61	3.0	63	0.8
Other and unknown	16	0.9	6	0.1	1	—	23	0.3
Total	1,735	100.0	4,123	100.0	2,045	100.0	7,903	100.0
GAS								
4	1	7.1	17	77.3	—	—	18	48.6
6	12	85.7	5	22.7	1	100.0	18	48.6
8	1	7.1	—	—	—	—	1	2.7
Total	14	100.0	22	100.0	1	100.0	37	100.0
OTHER								
4	—	—	1	100.0	—	—	1	50.0
6	1	100.0	—	—	—	—	1	50.0
Total	1	100.0	1	100.0	—	—	2	100.0
ALL FUEL TYPES								
1	—	—	1	—	—	—	1	—
2	—	—	5	—	—	—	5	—
3	759	1.6	19	0.2	—	—	778	1.3
4	27,129	55.8	6,833	66.0	684	32.0	34,646	56.7
5	163	0.3	4	—	—	—	167	0.3
6	18,884	38.9	3,376	32.6	1,371	64.2	23,631	38.7
8	1,305	2.7	91	0.9	79	3.7	1,475	2.4
12	2	—	—	—	—	—	2	—
Other and unknown	347	0.7	21	0.2	2	0.1	370	0.6
Total	48,589	100.0	10,350	100.0	2,136	100.0	61,075	100.0

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

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. *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.

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