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MOTOR VEHICLE CENSUS

AUSTRALIA

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I N Q U I R I E S

- For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070.

NOTES

ABOUT THIS PUBLICATION

This publication presents statistics relating to vehicles which were registered at 31 March 2003 with a motor vehicle registration authority. Motor vehicle registration statistics are compiled from data made available by various state and territory motor vehicle registration authorities and reflect the information as recorded in registration documents.

Estimates of the size and composition of the vehicle fleet were first published in 1921. However, it is only since 1971 that a Motor Vehicle Census (MVC) has been conducted on a more regular basis. The MVC has not been conducted in each and every year since 1971 and the census dates have varied over those years. Therefore, care should be taken when attempting to compare movements over the years.

Statistics are provided on vehicle types comprising passenger vehicles, light commercial vehicles, all types of trucks, buses and motor cycles.

Vehicle characteristic information includes make of vehicle, year of manufacture, type of fuel that the vehicle was manufactured to use; and for trucks, Gross Vehicle Mass or Gross Combination Mass. The size of the motor vehicle fleet is also compared with the estimated resident population.

Changes in this Issue

Data at the statistical division level have been introduced into this publication for the first time. These have been concorded from postcode of owner data and provide information on the regional distribution and characteristics of the motor vehicle fleet.

Dennis Trewin
Australian Statistician

SUMMARY OF FINDINGS

TOTAL NUMBER OF VEHICLES ON REGISTER

There were 13.2 million motor vehicles including motor cycles registered in Australia at 31 March 2003. This represents an increase of 25% since the 1993 Motor Vehicle Census (MVC), when there were 10.5 million vehicles registered in Australia. The average annual growth over this 10 year period was 2.3%.

VEHICLE TYPE (1993-2003) (a), Australia

	1993	2003	change
	no.	no.	%
Passenger vehicles	8 279 408	10 365 941	25.2
Light commercial vehicles	1 453 762	1 879 755	29.3
Rigid trucks	336 490	348 673	3.6
Articulated trucks	52 498	64 261	22.4
Non-freight carrying trucks	46 568	56 936	22.3
Buses	46 611	70 122	50.4
Motor cycles	288 813	377 271	30.6
Total motor vehicles	10 504 150	13 162 959	25.3

(a) Campervans are included with non-freight carrying trucks.

The passenger vehicle fleet has grown from 8.3 million in 1993 to 10.4 million in 2003, an increase of 25%. The number of buses rose to 70,122, representing a 50% increase over the past decade. During the same time period, the number of motor cycles grew by 31% to 377,271.

Articulated trucks rose by 22% to 64,261. Rigid trucks had the smallest growth over the 10 year period increasing by 3.6% to 348,673.

STATES AND TERRITORIES

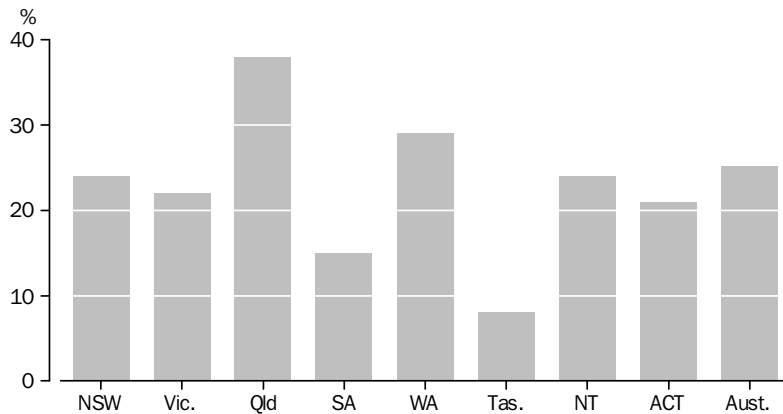
New South Wales had the largest share of the Australian fleet with 3.9 million vehicles (30% of the total) registered, followed by Victoria with 3.5 million (27%) and Queensland with 2.6 million (19%). The Northern Territory had the smallest share with 0.1 million vehicles (0.8%) registered. State shares of the national fleet have remained relatively stable since 1993.

As can be seen in the following graph, from 1993 to 2003, two states experienced growth above the national average of 2.5%. The motor vehicle fleet in Queensland showed the most growth with a 38% increase or an average annual growth of 3.3%. The fleet in Western Australia increased by 29% or by an average annual growth of 2.6%. Tasmania showed the least growth in fleet size since 1993 with an increase of 8.5% in the number of vehicles registered and an average annual growth of 0.8%.

SUMMARY OF FINDINGS *continued*

STATES AND TERRITORIES *continued*

PERCENTAGE CHANGE IN MOTOR VEHICLE REGISTRATIONS (1993-2003)

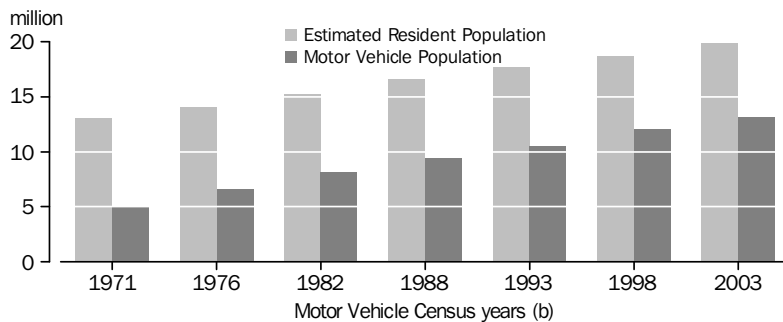


VEHICLES AND RESIDENT POPULATION

The ratio of motor vehicles registered to the estimated resident population (ERP) has been increasing consistently over the last 32 years. There were 398 vehicles per 1,000 residents in 1971 and 595 vehicles per 1,000 residents in 1993. This compares to 662 motor vehicles per 1,000 residents in Australia in 2003.

The average annual growth in the motor vehicle fleet over the 32 year period from 1971 to 2003 was 3.0%, while ERP over the same period had an average annual growth of only 1.3%.

MOTOR VEHICLE FLEET AND ESTIMATED RESIDENT POPULATION (a)



(a) Population data to 1998 are at 30 June and 2003 data are at 31 March.

(b) See Explanatory Notes for Motor Vehicle Census years.

Source: ABS Population by Age and Sex, Australian States and Territories (cat. no. 3201.0)

AVERAGE AGE OF THE FLEET

The average age of all vehicles registered in Australia at 31 March 2003 was 10.4 years. This is slightly younger than the 10.6 years recorded in the 1999 MVC. Sixty-four percent of the total Australian fleet was manufactured after 1990.

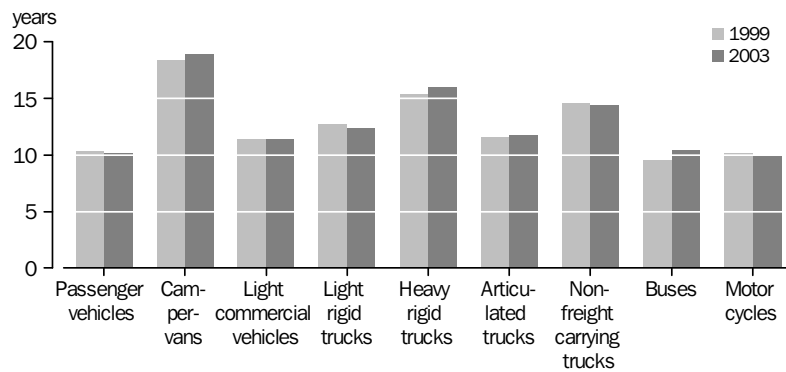
Campervans were the oldest vehicles registered with an average age of 18.9 years, while motor cycles were the youngest vehicle type with an average age of 9.9 years.

The average age of passenger vehicles dropped from 10.3 years in 1999 to 10.1 years in 2003, with 66% of passenger vehicles manufactured after 1990.

SUMMARY OF FINDINGS *continued*

AVERAGE AGE OF THE FLEET *continued*

ESTIMATED AVERAGE VEHICLE AGE (a), Vehicle type, Census years



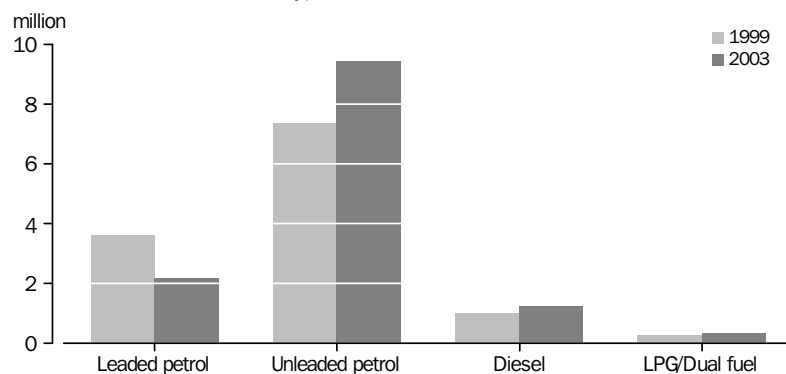
(a) For more details of calculation of average vehicle age refer to the Glossary.

Tasmania had the oldest fleet with an average age of 12.4 years and with 53% of vehicles manufactured after 1990. This was followed by South Australia with an average age of 11.8 years and 57% manufactured after 1990. The youngest fleet in Australia belonged to the Northern Territory, with an average age of 9.3 years and 70% manufactured after 1990.

FUEL TYPE

There were 9.4 million vehicles (72% of the total vehicle fleet) manufactured to use unleaded petrol while 2.2 million vehicles (17%) were manufactured to use leaded petrol. In contrast, in 1999, there were 7.4 million vehicles (60%) manufactured to use unleaded petrol and 3.6 million vehicles (29%) manufactured to use leaded petrol. This represents an increase of 28% in unleaded petrol vehicles and a decrease of 39% in leaded petrol vehicles since 1999.

MOTOR VEHICLE FLEET, Fuel type (a)



(a) Relates to the type of fuel the vehicle was manufactured to use.

In 2003, the Australian Capital Territory had the highest proportion of vehicles (78%) manufactured to use unleaded petrol. Consistent with their older fleet, Tasmania had the highest proportion of vehicles manufactured to use leaded petrol.

Passenger vehicles comprised 87% of motor vehicles that were manufactured to use unleaded petrol and 76% of vehicles manufactured to use leaded petrol.

SUMMARY OF FINDINGS *continued*

FUEL TYPE *continued*

The number of vehicles manufactured to use diesel fuel made up 9.3% (or 1.2 million vehicles) of the total fleet, representing an increase of 20% since the 1999 MVC. Diesel vehicles were most prominent in the Northern Territory with 24% of the fleet manufactured to use this fuel type. The Australian Capital Territory had the smallest proportion of diesel vehicles with 3.8%.

Light commercial vehicles made up 41% of vehicles manufactured to use diesel fuel, while rigid and articulated trucks accounted for 24% and 5.0% respectively. Passenger vehicles manufactured to use diesel fuel increased by 29% since the 1999 MVC, and represented 24% of all diesel vehicles in 2003.

CHARACTERISTICS OF THE FLEET

Passenger Vehicles

The number of passenger vehicles has grown 7.0% to 10.4 million since 1999. Queensland had the highest growth with an increase of 10%, while the Northern Territory showed the least growth, rising by 1.1%.

Passenger vehicles accounted for 79% of all vehicles registered in Australia in 2003. The state/territory with the largest proportion of passenger vehicles was the Australian Capital Territory with 86%, while the Northern Territory had the smallest share with 65%.

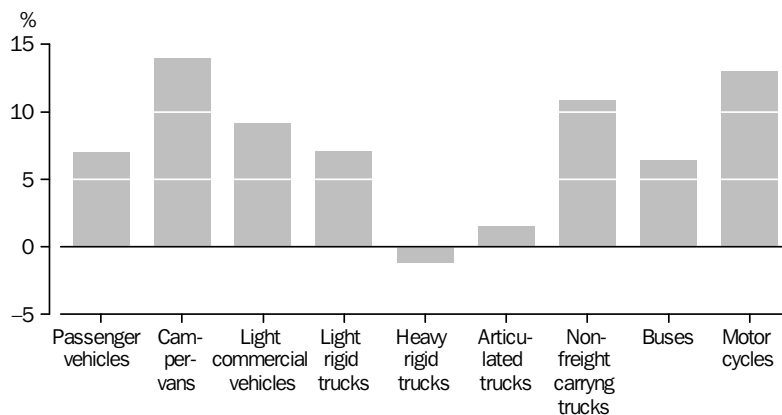
A total of 5.8 million passenger vehicles were either Ford, Holden, or Toyota. Respectively, these three makes accounted for 19%, 19% and 18% of the total passenger vehicle fleet registered at 31 March 2003.

Kia recorded the highest growth of all passenger vehicle makes since 1999, with an average annual growth of 35%. Other new makes that recorded high average annual growths were Lexus (17%), Audi (12%), Proton (11%) and Daewoo (11%). These high average annual growths should be considered in terms of the low number of vehicles from which they were derived.

Other Vehicle Types

Since 1999, light commercial vehicles have grown by 9.2%, light rigid trucks have increased by 7.1%, while heavy rigids have decreased by 1.2%. Articulated trucks rose by 1.5% over this same period.

PERCENTAGE CHANGE IN VEHICLE TYPE (1999-2003)



SUMMARY OF FINDINGS *continued*

Other Vehicle Types continued

While the total number of heavy rigid trucks registered in Australia has decreased since 1999, the gross vehicle mass (GVM) of heavy rigid trucks reveals that there were changes within the heavy rigid fleet. The number of registrations for the heaviest rigid trucks (those with a GVM greater than 20 tonnes) has increased by 12% since 1999, while registrations for heavy rigid trucks with a GVM of less than 20 tonnes have decreased over the same period.

Articulated trucks with a gross combination mass (GCM) of between 40 and 60 tonnes accounted for 49% of the total. The largest growth since 2002 in the GCM of articulated trucks was in the 60 to 100 tonnes range with a 15% increase, while the largest decline was in the 20 to 40 tonnage GCM with a 9.1% decrease.

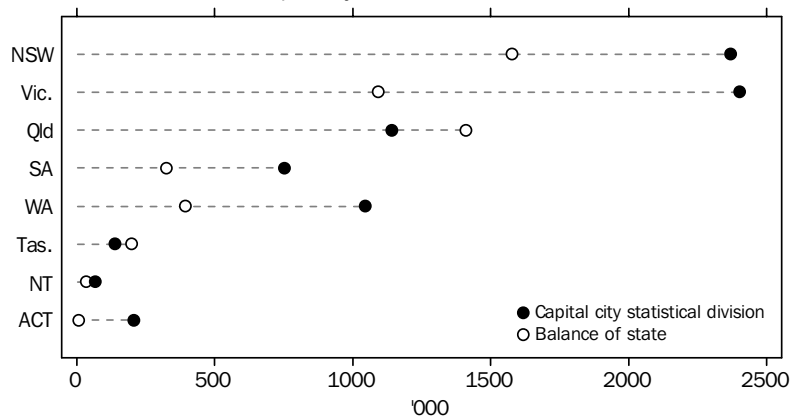
Queensland had the largest share of the heaviest articulated trucks, accounting for 54% of all articulated trucks registered in Australia with a GCM over 100 tonnes.

STATISTICAL DIVISIONS

Capital city statistical divisions (SD) had the largest share of their respective state/territory fleet. With 2.40 million motor vehicle registrations, Melbourne was the SD with the largest fleet, followed closely by Sydney with 2.37 million.

Queensland and Tasmania were the only states where there were less vehicles registered in the capital city SD than there were in the rest of the state.

TOTAL MOTOR VEHICLES, Capital city statistical division and Balance of state



Darwin and Greater Hobart were the only capital city SDs where the number of passenger vehicle registrations was less than 80% of the capital city SD fleet.

Typically, the larger the distance from the capital city, the smaller the proportion of passenger vehicles in the fleet of a SD, and the larger the proportion of light commercial vehicles and trucks. For example, in the Central West SD of Queensland, passenger vehicles made up 47% of the fleet, while 38% were light commercial vehicles, and 11% were trucks. In contrast, 75% of the fleet in the Brisbane SD were passenger vehicles, 17% were light commercial vehicles, and 2.8% were trucks.

Capital city SDs had the largest share of vehicles manufactured to use unleaded petrol for all states and territories. Generally, as SDs become more regional, the higher the proportion of vehicles manufactured to use leaded and diesel fuel. For example, in New South Wales 83% of vehicles in the Sydney SD were manufactured to use unleaded petrol, compared to 68% in the Mid-North Coast SD and 60% in the North Western SD.

SUMMARY OF FINDINGS *continued*

STATISTICAL DIVISIONS
continued

Conversely, 5.4% of the Sydney SD were manufactured to use diesel fuel, while 13% and 23% of vehicles in the Mid-North Coast and North Western SDs respectively were diesel vehicles.

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MOTOR VEHICLES ON REGISTER, Type of vehicle, Census years(a)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
1999	2 963 146	2 644 962	1 741 070	838 440	1 018 036	242 867	67 558	170 144	9 686 223
2002	3 088 332	2 754 257	1 836 529	862 432	1 065 632	246 422	68 524	179 312	10 101 440
2003	3 163 322	2 822 384	1 915 327	873 449	1 091 973	247 492	68 275	183 719	10 365 941
CAMPERVANS									
1999	6 536	7 266	5 194	4 514	6 645	2 792	153	522	33 622
2002	7 069	7 938	5 703	4 231	6 648	2 921	143	511	35 164
2003	7 787	8 445	6 818	4 393	7 049	3 163	153	529	38 337
LIGHT COMMERCIAL VEHICLES									
1999	482 100	401 995	396 332	125 990	212 389	60 982	24 574	16 838	1 721 200
2002	515 493	423 998	423 512	130 052	221 242	62 990	24 950	17 756	1 819 993
2003	531 769	438 047	441 358	132 754	226 123	65 453	25 753	18 498	1 879 755
LIGHT RIGID TRUCKS									
1999	27 060	16 580	15 748	3 743	6 953	2 129	433	623	73 269
2002	28 054	15 657	16 546	3 923	7 032	2 048	424	577	74 261
2003	29 116	16 493	18 026	4 155	7 431	2 151	500	607	78 479
HEAVY RIGID TRUCKS									
1999	78 801	68 889	54 229	21 833	37 647	7 600	2 875	1 680	273 554
2002	75 082	69 123	52 612	21 443	37 213	7 153	2 836	1 760	267 222
2003	75 823	69 714	53 708	21 467	37 728	7 131	2 885	1 738	270 194
ARTICULATED TRUCKS									
1999	16 278	18 121	12 764	5 932	7 639	1 501	814	246	63 295
2002	15 294	18 553	13 285	6 394	7 981	1 483	653	262	63 905
2003	14 766	19 254	13 823	6 436	7 653	1 382	697	250	64 261
NON-FREIGHT CARRYING TRUCKS									
1999	3 230	5 704	2 929	1 905	2 780	902	158	89	17 697
2002	3 457	5 467	3 579	1 904	3 071	971	261	87	18 797
2003	3 413	5 018	3 754	1 761	3 374	936	259	84	18 599
BUSES									
1999	16 628	15 021	14 148	4 005	9 886	2 226	2 966	1 011	65 891
2002	18 702	15 950	15 114	4 284	10 326	2 259	2 590	971	70 196
2003	18 805	15 887	15 457	4 285	10 044	2 194	2 493	957	70 122
MOTOR CYCLES									
1999	85 554	87 954	73 219	26 129	42 834	8 569	3 643	5 880	333 782
2002	95 649	102 764	78 644	28 395	46 531	8 810	3 414	6 775	370 982
2003	100 049	99 072	83 790	28 454	47 066	8 582	3 244	7 014	377 271
TOTAL MOTOR VEHICLES									
1999	3 679 333	3 266 492	2 315 633	1 032 491	1 344 809	329 568	103 174	197 033	12 268 533
2002	3 847 132	3 413 707	2 445 524	1 063 058	1 405 676	335 057	103 795	208 011	12 821 960
2003	3 944 850	3 494 314	2 552 061	1 077 154	1 438 441	338 484	104 259	213 396	13 162 959

(a) The 1999 data are at 31 October. The 2002 and 2003 data are at 31 March.

MOTOR VEHICLES ON REGISTER PER 1,000 POPULATION, Census years(a)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
1999	461	563	495	559	548	515	349	544	510
2003	473	573	507	572	560	520	346	567	522
CAMPERVANS									
1999	1	2	1	3	4	6	1	2	2
2003	1	2	2	3	4	7	1	2	2
LIGHT COMMERCIAL VEHICLES									
1999	75	86	113	84	114	129	127	54	91
2003	79	89	117	87	116	137	131	57	95
LIGHT RIGID TRUCKS									
1999	4	4	4	2	4	5	2	2	4
2003	4	3	5	3	4	5	3	2	4
HEAVY RIGID TRUCKS									
1999	12	15	15	15	20	16	15	5	14
2003	11	14	14	14	19	15	15	5	14
ARTICULATED TRUCKS									
1999	3	4	4	4	4	3	4	1	3
2003	2	4	4	4	4	3	4	1	3
NON-FREIGHT CARRYING TRUCKS									
1999	1	1	1	1	1	2	1	—	1
2003	1	1	1	1	2	2	1	—	1
BUSES									
1999	3	3	4	3	5	5	15	3	3
2003	3	3	4	3	5	5	13	3	4
MOTOR CYCLES									
1999	13	19	21	17	23	18	19	19	18
2003	15	20	22	19	24	18	16	22	19
TOTAL MOTOR VEHICLES									
1999	572	695	659	688	724	699	533	630	646
2003	590	709	676	705	737	711	529	659	662

— nil or rounded to zero (including null cells)

(a) The 1999 data are at 31 October. The 2003 data are at 31 March.
Population data are at 30 September for 1999 and 31 March for 2003.

ESTIMATED AVERAGE AGE OF MOTOR VEHICLES(a), Census years(b)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
	years	years	years	years	years	years	years	years	years
PASSENGER VEHICLES									
1999	9.2	10.8	10.2	11.9	10.5	12.1	8.9	10.1	10.3
2003	9.1	10.4	10.1	11.6	10.5	11.9	8.9	9.8	10.1
CAMPERVANS									
1999	17.1	19.2	16.3	18.8	20.2	18.9	18.9	18.4	18.4
2003	17.0	19.7	16.4	20.2	21.2	19.9	19.0	19.4	18.9
LIGHT COMMERCIAL VEHICLES									
1999	10.4	12.4	11.0	12.6	11.7	13.1	9.8	10.9	11.4
2003	10.3	12.1	11.2	12.4	12.0	13.4	9.9	10.6	11.4
LIGHT RIGID TRUCKS									
1999	11.2	14.3	12.6	14.6	13.7	16.7	7.1	11.9	12.7
2003	11.1	13.4	12.0	13.4	13.6	16.5	8.7	11.7	12.3
HEAVY RIGID TRUCKS									
1999	13.8	16.8	14.3	17.2	16.9	16.8	12.4	11.0	15.4
2003	14.0	17.4	15.1	17.8	18.1	17.3	13.0	11.5	16.0
ARTICULATED TRUCKS									
1999	11.4	11.8	11.3	10.8	13.1	11.0	11.6	7.9	11.6
2003	10.7	12.0	11.6	11.1	13.5	10.9	12.6	8.1	11.7
NON-FREIGHT CARRYING TRUCKS									
1999	14.0	15.3	11.8	13.8	16.8	16.8	11.0	16.6	14.6
2003	13.5	15.3	11.2	14.5	16.9	16.9	12.8	14.6	14.4
BUSES									
1999	9.2	10.4	9.8	11.3	8.0	13.7	6.5	8.9	9.5
2003	9.9	10.6	10.6	11.6	9.6	14.4	8.9	10.7	10.4
MOTOR CYCLES (c)									
1999	9.2	9.9	10.6	9.7	11.6	10.3	8.4	9.4	10.1
2003	9.0	9.5	10.5	9.4	12.1	10.6	8.3	9.4	9.9
TOTAL MOTOR VEHICLES									
1999	9.5	11.2	10.5	12.1	11.0	12.5	9.2	10.1	10.6
2003	9.4	10.8	10.5	11.8	11.1	12.4	9.3	9.9	10.4

(a) For more details on calculation of average age refer to the Glossary.
 (b) The 1999 data are at 31 October. The 2003 data are at 31 March.
 (c) The year of manufacture for motor cycles in South Australia is not well reported. In 2003 it was not reported for 23% of motor cycles registered in South Australia.

MOTOR VEHICLES ON REGISTER, Fuel type, Census years

PETROL						
	Leaded	Unleaded	Total	Diesel	LPG/Dual fuel/Other(a)	Total
	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES						
1999	2 857 353	6 402 426	9 259 779	228 504	197 940	9 686 223
2003	1 666 750	8 177 794	9 844 544	295 697	225 700	10 365 941
CAMPERVANS						
1999	18 120	3 918	22 038	10 124	1 460	33 622
2003	14 999	5 593	20 592	15 595	2 150	38 337
LIGHT COMMERCIAL VEHICLES						
1999	539 801	720 073	1 259 874	389 277	72 049	1 721 200
2003	372 987	913 181	1 286 168	498 253	95 334	1 879 755
LIGHT RIGID TRUCKS						
1999	17 710	3 964	21 674	49 764	1 831	73 269
2003	11 912	4 240	16 152	60 485	1 842	78 479
HEAVY RIGID TRUCKS						
1999	44 765	3 829	48 594	222 614	2 346	273 554
2003	32 458	3 772	36 230	231 879	2 085	270 194
ARTICULATED TRUCKS						
1999	1 409	800	2 209	61 053	33	63 295
2003	878	885	1 763	62 468	30	64 261
NON-FREIGHT CARRYING TRUCKS						
1999	5 164	2 854	8 018	9 001	678	17 697
2003	3 572	2 144	5 716	12 219	664	18 599
BUSES						
1999	4 190	10 548	14 738	49 997	1 156	65 891
2003	2 706	12 974	15 680	52 655	1 787	70 122
MOTOR CYCLES						
1999	112 814	220 968	333 782	—	—	333 782
2003	83 511	293 753	377 264	7	—	377 271
TOTAL MOTOR VEHICLES						
1999	3 601 326	7 369 380	10 970 706	1 020 334	277 493	12 268 533
2003	2 189 773	9 414 336	11 604 109	1 229 258	329 592	13 162 959

— nil or rounded to zero (including null cells)

(a) The Other component of LPG/Dual fuel/Other is 0.34% for total motor vehicles in 1999 and 0.03% for total motor vehicles in 2003.

PASSENGER VEHICLES ON REGISTER, Top 30 makes, Census years(a)

	1999	2003	change
	no.	no.	%
Holden	1 911 828	2 004 650	4.9
Ford	2 070 480	1 961 195	-5.3
Toyota	1 644 218	1 845 805	12.3
Mitsubishi	951 338	998 111	4.9
Nissan (incl. Datsun)	727 594	721 607	-0.8
Mazda	428 141	441 413	3.1
Hyundai	320 671	437 805	36.5
Honda	264 292	321 156	21.5
Subaru	175 332	248 588	41.8
Mercedes-Benz	110 073	142 287	29.3
Daihatsu	133 558	138 553	3.7
BMW	104 770	138 144	31.9
Daewoo	81 681	124 951	53.0
Suzuki	110 385	120 649	9.3
Volvo	91 526	84 583	-7.6
Volkswagen	65 485	81 468	24.4
Chrysler	89 284	54 545	-38.9
Kia	15 396	51 517	234.6
Land Rover	35 450	48 971	38.1
Peugeot	35 630	44 802	25.7
Saab	35 369	41 167	16.4
Jeep	28 157	40 277	43.0
Audi	18 458	29 276	58.6
Jaguar	24 181	26 593	10.0
Alfa Romeo	16 475	19 179	16.4
Lexus	9 862	18 783	90.5
Range Rover	17 106	16 923	-1.1
Proton	10 119	15 507	53.2
Renault	11 577	14 083	21.6
MG	12 758	13 467	5.6
Other	135 029	119 886	-11.2
Total All Makes	9 686 223	10 365 941	7.0

(a) The 1999 data are at 31 October. The 2003 data are at 31 March.

RIGID TRUCKS ON REGISTER, Gross vehicle mass (GVM), Census years(a)

GVM (TONNES)						
	4.5 and under	Over 4.5 to 8	Over 8 to 12	Over 12 to 20	Greater than 20	Total
	no.	no.	no.	no.	no.	no.
NEW SOUTH WALES						
1999	27 095	23 916	22 444	16 857	15 549	105 861
2003	29 116	22 340	21 969	15 136	16 378	104 939
VICTORIA						
1999	16 674	22 447	19 862	15 984	10 502	85 469
2003	16 493	20 445	20 502	15 231	13 536	86 207
QUEENSLAND						
1999	15 770	14 054	13 930	14 314	11 909	69 977
2003	18 026	12 861	14 482	14 230	12 135	71 734
SOUTH AUSTRALIA						
1999	3 745	5 808	7 783	4 523	3 717	25 576
2003	4 155	5 369	7 012	4 642	4 444	25 622
WESTERN AUSTRALIA						
1999	6 959	9 527	9 735	10 786	7 593	44 600
2003	7 431	9 296	9 412	10 281	8 739	45 159
TASMANIA						
1999	2 129	2 721	1 992	1 562	1 325	9 729
2003	2 151	2 443	1 698	1 442	1 548	9 282
NORTHERN TERRITORY						
1999	432	1 184	720	596	376	3 308
2003	500	1 135	654	635	461	3 385
AUSTRALIAN CAPITAL TERRITORY						
1999	613	606	440	309	335	2 303
2003	607	536	493	329	380	2 345
AUSTRALIA						
1999	73 417	80 263	76 906	64 931	51 306	346 823
2003	78 479	74 425	76 222	61 926	57 621	348 673

(a) The 1999 data are at 31 October. The 2003 data are at 31 March.

ARTICULATED TRUCKS ON REGISTER, Gross combination mass (GCM), Census years(a)(b)

GCM (TONNES)						
	Over 3 to 20	Over 20 to 40	Over 40 to 60	Over 60 to 100	Greater than 100	Total
	no.	no.	no.	no.	no.	no.
NEW SOUTH WALES						
2002	87	2 039	7 857	4 956	355	15 294
2003	85	1 807	7 105	5 367	402	14 766
VICTORIA						
2002	385	4 287	8 927	4 951	3	18 553
2003	457	4 035	8 654	6 099	9	19 254
QUEENSLAND						
2002	85	1 718	6 087	4 165	1 230	13 285
2003	72	1 635	5 894	4 807	1 415	13 823
SOUTH AUSTRALIA						
2002	35	874	3 428	1 811	246	6 394
2003	29	779	3 348	1 966	314	6 436
WESTERN AUSTRALIA						
2002	118	1 930	5 801	105	27	7 981
2003	88	1 630	5 787	117	31	7 653
TASMANIA						
2002	6	167	759	550	1	1 483
2003	5	122	645	608	2	1 382
NORTHERN TERRITORY						
2002	5	45	84	130	389	653
2003	3	50	78	133	433	697
AUSTRALIAN CAPITAL TERRITORY						
2002	4	28	182	48	—	262
2003	3	22	167	58	—	250
AUSTRALIA						
2002	725	11 088	33 125	16 716	2 251	63 905
2003	742	10 080	31 678	19 155	2 606	64 261

— nil or rounded to zero (including null cells)

(a) Comparable GCM data are not available prior to 2002.

(b) The 2002 and 2003 data are at 31 March.

MOTOR VEHICLES ON REGISTER, Vehicle type, Statistical division(a)

Statistical division	PASSENGER VEHICLES		LIGHT COMMERCIAL VEHICLES		TRUCKS(b)		OTHER(c)		TOTAL	
	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD
	no.	%	no.	%	no.	%	no.	%	no.	%
NEW SOUTH WALES										
Sydney	2 005 051	84.6	238 087	10.1	60 731	2.6	65 004	2.7	2 368 869	100
Hunter	293 467	78.8	52 998	14.2	10 937	2.9	14 906	4.0	372 311	100
Illawara	196 261	80.0	32 971	13.4	6 506	2.7	9 443	3.9	245 182	100
Richmond-Tweed	97 933	77.1	20 625	16.2	3 676	2.9	4 762	3.7	126 998	100
Mid-North Coast	136 273	75.9	29 511	16.4	5 655	3.2	8 000	4.5	179 434	100
Northern	76 435	64.8	30 586	25.9	6 940	5.9	3 972	3.4	117 930	100
North Western	47 909	62.3	21 251	27.6	4 962	6.5	2 764	3.6	76 888	100
Central West	80 261	65.7	30 151	24.7	6 984	5.7	4 839	4.0	122 231	100
South Eastern	93 386	69.4	29 807	22.2	5 709	4.2	5 600	4.2	134 495	100
Murrumbidgee	67 366	65.7	24 568	23.9	6 664	6.5	4 011	3.9	102 609	100
Murray	46 675	69.7	15 172	22.7	2 794	4.2	2 277	3.4	66 919	100
Far West	9 407	70.2	2 941	21.9	408	3.0	645	4.8	13 401	100
Out of State/Unspecified(d)	12 898	73.4	3 101	17.6	1 152	6.6	418	2.4	17 583	100
Total	3 163 322	80.2	531 769	13.5	123 118	3.1	126 641	3.2	3 944 850	100
VICTORIA										
Melbourne	2 045 388	85.2	224 104	9.3	55 659	2.3	75 738	3.2	2 400 894	100
Barwon	148 610	78.4	27 668	14.6	6 362	3.4	6 962	3.7	189 606	100
Western District	54 737	67.4	18 207	22.4	4 798	5.9	3 470	4.3	81 210	100
Central Highlands	81 685	73.4	20 370	18.3	4 795	4.3	4 507	4.0	111 350	100
Wimmera	28 106	61.4	11 626	25.4	4 193	9.2	1 817	4.0	45 744	100
Mallee	46 173	62.8	19 231	26.2	5 253	7.2	2 811	3.8	73 468	100
Loddon	96 616	72.2	25 555	19.1	6 005	4.5	5 661	4.2	133 839	100
Goulburn	111 375	67.9	35 399	21.6	9 267	5.6	8 008	4.9	164 044	100
Ovens-Murray	54 882	69.6	15 975	20.3	3 909	5.0	4 080	5.2	78 846	100
East Gippsland	45 609	69.0	14 110	21.4	2 998	4.5	3 365	5.1	66 087	100
Gippsland	93 512	73.7	22 297	17.6	4 940	3.9	6 172	4.9	126 920	100
Out of State/Unspecified(d)	15 691	70.3	3 505	15.7	2 300	10.3	813	3.6	22 306	100
Total	2 822 384	80.8	438 047	12.5	110 479	3.2	123 404	3.5	3 494 314	100
QUEENSLAND										
Brisbane	917 489	80.4	151 641	13.3	31 886	2.8	39 714	3.5	1 140 742	100
Moreton	415 943	78.6	78 573	14.8	13 711	2.6	20 968	4.0	529 196	100
Wide Bay-Burnett	113 062	69.3	34 286	21.0	6 971	4.3	8 892	5.4	163 215	100
Darling Downs	98 952	65.8	35 261	23.4	10 634	7.1	5 560	3.7	150 404	100
South West	9 895	49.1	7 634	37.9	2 040	10.1	590	2.9	20 160	100
Fitzroy	80 098	66.9	28 032	23.4	5 657	4.7	5 970	5.0	119 756	100
Central West	4 340	46.5	3 570	38.2	1 010	10.8	417	4.5	9 336	100
Mackay	61 634	64.1	24 852	25.8	4 378	4.6	5 341	5.6	96 205	100
Northern	84 132	67.5	28 604	23.0	4 498	3.6	7 318	5.9	124 548	100
Far North	93 004	66.2	33 458	23.8	5 138	3.7	8 863	6.3	140 467	100
North West	10 894	55.3	6 092	30.9	1 446	7.3	1 257	6.4	19 686	100
Out of State/Unspecified(d)	25 884	67.5	9 355	24.4	1 942	5.1	1 175	3.1	38 346	100
Total	1 915 327	75.1	441 358	17.3	89 311	3.5	106 065	4.2	2 552 061	100

(a) Data at the statistical division level was concorded from information based on the postcode of owner. See Statistical Geography section of the Explanatory Notes for information on statistical division and concordances.

(b) Includes articulated, rigid and non-freight carrying trucks.

(c) Includes campervans, buses and motor cycles.

(d) Vehicles with a postcode of owner in a state/territory other than that in which their vehicle was registered are included in the category Out of State/Unspecified. Also included in this category are the owners which could not be specified into a statistical division.

Statistical division	PASSENGER VEHICLES		LIGHT COMMERCIAL VEHICLES		TRUCKS(b)		OTHER(c)		TOTAL	
	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD
	no.	%	no.	%	no.	%	no.	%	no.	%
SOUTH AUSTRALIA										
Adelaide	647 758	86.2	64 343	8.6	16 718	2.2	22 581	3.0	751 400	100
Outer Adelaide	69 638	74.5	16 097	17.2	3 947	4.2	3 835	4.1	93 519	100
Yorke and Lower North	25 589	65.6	8 889	22.8	2 592	6.6	1 923	4.9	38 995	100
Murray Lands	38 860	68.6	12 210	21.5	3 105	5.5	2 509	4.4	56 685	100
South East	33 816	64.4	12 999	24.7	3 499	6.7	2 234	4.3	52 546	100
Eyre	17 273	63.2	7 294	26.7	1 613	5.9	1 160	4.2	27 341	100
Northern	37 495	71.1	10 313	19.6	2 104	4.0	2 787	5.3	52 700	100
Out of State/Unspecified(d)	3 020	76.1	609	15.3	241	6.1	103	2.6	3 968	100
Total	873 449	81.1	132 754	12.3	33 819	3.1	37 132	3.4	1 077 154	100
WESTERN AUSTRALIA										
Perth	844 424	80.9	130 436	12.5	27 500	2.6	42 010	4.0	1 044 368	100
South West	106 556	70.5	30 862	20.4	5 898	3.9	7 878	5.2	151 195	100
Lower Great Southern	27 436	61.2	11 354	25.3	3 613	8.1	2 458	5.5	44 861	100
Upper Great Southern	9 754	50.9	5 582	29.1	3 202	16.7	643	3.4	19 181	100
Midlands	26 974	54.2	13 633	27.4	6 730	13.5	2 447	4.9	49 785	100
South Eastern	23 234	59.0	10 759	27.3	2 903	7.4	2 483	6.3	39 379	100
Central	26 280	59.1	12 251	27.5	3 576	8.0	2 382	5.4	44 492	100
Pilbara	15 268	63.9	5 419	22.7	1 185	5.0	2 013	8.4	23 885	100
Kimberley	7 810	54.2	4 184	29.0	920	6.4	1 493	10.4	14 407	100
Out of State/Unspecified(d)	4 237	61.5	1 643	23.9	659	9.6	352	5.1	6 888	100
Total	1 091 973	75.9	226 123	15.7	56 186	3.9	64 159	4.5	1 438 441	100
TASMANIA										
Greater Hobart	108 405	77.6	22 272	16.0	3 910	2.8	5 046	3.6	139 633	100
Southern	16 208	64.4	6 775	26.9	1 124	4.5	1 068	4.2	25 173	100
Northern	70 066	71.8	19 824	20.3	3 515	3.6	4 206	4.3	97 610	100
Mersey-Lyell	52 457	69.5	16 464	21.8	2 997	4.0	3 601	4.8	75 522	100
Out of State/Unspecified(d)	356	65.2	118	21.6	54	9.9	18	3.3	546	100
Total	247 492	73.1	65 453	19.3	11 600	3.4	13 939	4.1	338 484	100

(a) Data at the statistical division level was concorded from information based on the postcode of owner. See Statistical Geography section of the Explanatory Notes for information on statistical division and concordances.

(b) Includes articulated, rigid and non-freight carrying trucks.

(c) Includes campervans, buses and motor cycles.

(d) Vehicles with a postcode of owner in a state/territory other than that in which their vehicle was registered are included in the category Out of State/Unspecified. Also included in this category are the owners which could not be specified into a statistical division.

MOTOR VEHICLES ON REGISTER, Vehicle type, Statistical division(a) *continued*

Statistical division	PASSENGER VEHICLES		LIGHT COMMERCIAL VEHICLES		TRUCKS(b)		OTHER(c)		TOTAL	
	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD
	no.	%	no.	%	no.	%	no.	%	no.	%
NORTHERN TERRITORY										
Darwin	47 123	68.3	16 068	23.3	2 442	3.5	3 318	4.8	68 977	100
Northern Territory - Bal	20 451	60.3	9 215	27.2	1 822	5.4	2 448	7.2	33 938	100
Out of State/Unspecified(d)	701	52.2	470	35.0	77	5.7	124	9.2	1 344	100
Total	68 275	65.5	25 753	24.7	4 341	4.2	5 890	5.6	104 259	100
AUSTRALIAN CAPITAL TERRITORY										
Canberra	180 157	86.9	17 133	8.3	2 157	1.0	7 837	3.8	207 281	100
Australian Capital Territory - Bal	43	79.6	6	11.1	2	3.7	2	3.7	54	100
Out of State/Unspecified(d)	3 519	58.1	1 359	22.4	520	8.6	661	10.9	6 061	100
Total	183 719	86.1	18 498	8.7	2 679	1.3	8 500	4.0	213 396	100
AUSTRALIA										
Total	10 365 941	78.8	1 879 755	14.3	431 533	3.3	485 730	3.7	13 162 959	100

(a) Data at the statistical division level was concorded from information based on the postcode of owner. See Statistical Geography section of the Explanatory Notes for information on statistical division and concordances.

(b) Includes articulated, rigid and non-freight carrying trucks.

(c) Includes campervans, buses and motor cycles.

(d) Vehicles with a postcode of owner in a state/territory other than that in which their vehicle was registered are included in the category Out of State/Unspecified. Also included in this category are the owners which could not be specified into a statistical division.

MOTOR VEHICLES ON REGISTER, Fuel type, Statistical division(a)

Statistical division	PETROL LEADED		PETROL UNLEADED		DIESEL		LPG/DUAL FUEL/OTHER(b)		TOTAL	
	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD
	no.	%	no.	%	no.	%	no.	%	no.	%
NEW SOUTH WALES										
Sydney	237 478	10.0	1 974 576	83.4	128 779	5.4	28 040	1.2	2 368 869	100
Hunter	50 655	13.6	279 002	74.9	38 495	10.3	4 158	1.1	372 311	100
Illawarra	32 986	13.5	189 709	77.4	18 655	7.6	3 830	1.6	245 182	100
Richmond-Tweed	23 033	18.1	87 333	68.8	15 174	11.9	1 458	1.1	126 998	100
Mid-North Coast	31 087	17.3	122 572	68.3	23 953	13.3	1 827	1.0	179 434	100
Northern	21 436	18.2	69 573	59.0	26 057	22.1	864	0.7	117 930	100
North Western	12 811	16.7	45 786	59.5	17 671	23.0	616	0.8	76 888	100
Central West	21 844	17.9	77 467	63.4	21 616	17.7	1 312	1.1	122 231	100
South Eastern	23 186	17.2	89 150	66.3	19 249	14.3	2 913	2.2	134 495	100
Murrumbidgee	17 774	17.3	63 703	62.1	19 287	18.8	1 837	1.8	102 609	100
Murray	11 477	17.2	42 386	63.3	11 005	16.4	2 047	3.1	66 919	100
Far West	2 646	19.7	8 460	63.1	2 079	15.5	216	1.6	13 401	100
Out of State/Unspecified(c)	915	5.2	13 625	77.5	2 511	14.3	531	3.0	17 583	100
Total	487 328	12.4	3 063 342	77.7	344 531	8.7	49 649	1.3	3 944 850	100
VICTORIA										
Melbourne	380 307	15.8	1 787 048	74.4	110 429	4.6	123 113	5.1	2 400 894	100
Barwon	39 072	20.6	126 327	66.6	12 879	6.8	11 332	6.0	189 606	100
Western District	17 298	21.3	49 105	60.5	10 903	13.4	3 908	4.8	81 210	100
Central Highlands	25 696	23.1	68 893	61.9	9 617	8.6	7 148	6.4	111 350	100
Wimmera	12 225	26.7	24 167	52.8	7 473	16.3	1 882	4.1	45 744	100
Mallee	17 682	24.1	41 491	56.5	11 882	16.2	2 411	3.3	73 468	100
Loddon	33 967	25.4	79 256	59.2	11 814	8.8	8 804	6.6	133 839	100
Goulburn	38 742	23.6	94 463	57.6	21 503	13.1	9 340	5.7	164 044	100
Ovens-Murray	18 543	23.5	46 020	58.4	10 889	13.8	3 395	4.3	78 846	100
East Gippsland	14 444	21.9	37 748	57.1	9 637	14.6	4 259	6.4	66 087	100
Gippsland	26 254	20.7	76 967	60.6	13 569	10.7	10 126	8.0	126 920	100
Out of State/Unspecified(c)	2 810	12.6	15 128	67.8	3 474	15.6	874	3.9	22 306	100
Total	627 040	17.9	2 446 613	70.0	234 069	6.7	186 592	5.3	3 494 314	100
QUEENSLAND										
Brisbane	185 432	16.3	842 223	73.8	93 989	8.2	19 094	1.7	1 140 742	100
Moreton	92 508	17.5	378 837	71.6	48 228	9.1	9 619	1.8	529 196	100
Wide Bay-Burnett	37 574	23.0	95 604	58.6	27 134	16.6	2 902	1.8	163 215	100
Darling Downs	31 228	20.8	89 197	59.3	28 222	18.8	1 753	1.2	150 404	100
South West	2 988	14.8	8 867	44.0	8 159	40.5	144	0.7	20 160	100
Fitzroy	20 926	17.5	74 183	61.9	23 398	19.5	1 249	1.0	119 756	100
Central West	1 308	14.0	4 084	43.7	3 867	41.4	77	0.8	9 336	100
Mackay	14 834	15.4	60 522	62.9	20 009	20.8	841	0.9	96 205	100
Northern	20 000	16.1	82 200	66.0	21 071	16.9	1 279	1.0	124 548	100
Far North	21 165	15.1	88 557	63.0	29 200	20.8	1 543	1.1	140 467	100
North West	2 660	13.5	10 146	51.5	6 738	34.2	143	0.7	19 686	100
Out of State/Unspecified(c)	1 530	4.0	29 063	75.8	7 244	18.9	522	1.4	38 346	100
Total	432 153	16.9	1 763 483	69.1	317 259	12.4	39 166	1.5	2 552 061	100

(a) Data at the statistical division level was concorded from information based on the postcode of owner. See Statistical Geography section of the Explanatory Notes for information on statistical division and concordances.

(b) The Other component of LPG/Dual fuel/Other is 0.03% for total motor vehicles.

(c) Vehicles with a postcode of owner in a state/territory other than that in which their vehicle was registered are included in the category Out of State/Unspecified. Also included in this category are the postcodes of owners which could not be specified into a statistical division.

	PETROL LEADED		PETROL UNLEADED		DIESEL		LPG/DUAL FUEL/OTHER(b)		TOTAL	
	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD
Statistical division	no.	%	no.	%	no.	%	no.	%	no.	%
SOUTH AUSTRALIA										
Adelaide	166 602	22.2	546 235	72.7	32 184	4.3	6 388	0.9	751 400	100
Outer Adelaide	24 279	26.0	60 233	64.4	8 030	8.6	977	1.0	93 519	100
Yorke and Lower North	10 620	27.2	22 202	56.9	5 831	15.0	339	0.9	38 995	100
Murray Lands	16 095	28.4	33 091	58.4	6 901	12.2	599	1.1	56 685	100
South East	11 025	21.0	32 771	62.4	8 480	16.1	269	0.5	52 546	100
Eyre	6 341	23.2	14 667	53.6	6 170	22.6	163	0.6	27 341	100
Northern	14 821	28.1	31 846	60.4	5 649	10.7	383	0.7	52 700	100
Out of State/Unspecified(c)	542	13.7	2 942	74.1	451	11.4	28	0.7	3 968	100
Total	250 325	23.2	743 987	69.1	73 696	6.8	9 146	0.8	1 077 154	100
WESTERN AUSTRALIA										
Perth	184 581	17.7	741 433	71.0	91 599	8.8	26 759	2.6	1 044 368	100
South West	29 156	19.3	90 367	59.8	27 212	18.0	4 462	3.0	151 195	100
Lower Great Southern	9 107	20.3	23 978	53.4	11 013	24.5	763	1.7	44 861	100
Upper Great Southern	4 197	21.9	8 367	43.6	6 369	33.2	248	1.3	19 181	100
Midlands	11 707	23.5	22 656	45.5	14 304	28.7	1 120	2.2	49 785	100
South Eastern	6 497	16.5	20 667	52.5	11 562	29.4	653	1.7	39 379	100
Central	8 463	19.0	22 802	51.2	12 465	28.0	762	1.7	44 492	100
Pilbara	3 589	15.0	12 267	51.4	7 650	32.0	379	1.6	23 885	100
Kimberley	2 417	16.8	5 801	40.3	6 001	41.7	188	1.3	14 407	100
Out of State/Unspecified(c)	756	11.0	4 029	58.5	1 808	26.2	287	4.2	6 888	100
Total	260 470	18.1	952 367	66.2	189 983	13.2	35 621	2.5	1 438 441	100
TASMANIA										
Greater Hobart	35 466	25.4	92 031	65.9	11 124	8.0	1 012	0.7	139 633	100
Southern	8 092	32.1	13 063	51.9	3 766	15.0	254	1.0	25 173	100
Northern	25 852	26.5	59 388	60.8	11 342	11.6	1 029	1.1	97 610	100
Mersey-Lyell	17 126	22.7	47 056	62.3	10 548	14.0	791	1.0	75 522	100
Out of State/Unspecified(c)	99	18.1	325	59.5	107	19.6	13	2.4	546	100
Total	86 635	25.6	211 863	62.6	36 887	10.9	3 099	0.9	338 484	100

(a) Data at the statistical division level was concorded from information based on the postcode of owner. See Statistical Geography section of the Explanatory Notes for information on statistical division and concordances.

(b) The Other component of LPG/Dual fuel/Other is 0.03% for total motor vehicles.

(c) Vehicles with a postcode of owner in a state/territory other than that in which their vehicle was registered are included in the category Out of State/Unspecified. Also included in this category are the postcodes of owners which could not be specified into a statistical division.

Statistical division	PETROL LEADED		PETROL UNLEADED		DIESEL		LPG/DUAL FUEL/OTHER(b)		TOTAL	
	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD	Count	Proportion of SD
	no.	%	no.	%	no.	%	no.	%	no.	%
NORTHERN TERRITORY										
Darwin	7 531	10.9	46 993	68.1	13 535	19.6	895	1.3	68 977	100
Northern Territory - Bal	4 430	13.1	18 563	54.7	10 606	31.3	343	1.0	33 938	100
Out of State/Unspecified(c)	202	15.0	629	46.8	498	37.1	34	2.5	1 344	100
Total	12 163	11.7	66 185	63.5	24 639	23.6	1 272	1.2	104 259	100
AUSTRALIAN CAPITAL TERRITORY										
Canberra	33 120	16.0	162 360	78.3	6 959	3.4	4 834	2.3	207 281	100
Australian Capital Territory - Bal	9	16.7	39	72.2	4	7.4	1	1.9	54	100
Out of State/Unspecified(c)	530	8.7	4 097	67.6	1 231	20.3	212	3.5	6 061	100
Total	33 659	15.8	166 496	78.0	8 194	3.8	5 047	2.4	213 396	100
AUSTRALIA										
Total	2 189 773	16.6	9 414 336	71.5	1 229 258	9.3	329 592	2.5	13 162 959	100

(a) Data at the statistical division level was concorded from information based on the postcode of owner. See Statistical Geography section of the Explanatory Notes for information on statistical division and concordances.

(b) The Other component of LPG/Dual fuel/Other is 0.03% for total motor vehicles.

(c) Vehicles with a postcode of owner in a state/territory other than that in which their vehicle was registered are included in the category Out of State/Unspecified. Also included in this category are the postcodes of owners which could not be specified into a statistical division.

MOTOR VEHICLES ON REGISTER, Type of vehicle, Year of manufacture

Year of manufacture	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
	no.	no.	no.	no.	no.	no.	no.	no.	no.

PASSENGER VEHICLES

To 1985	388 403	525 346	337 845	204 885	202 571	64 642	9 318	29 883	1 762 893
1986-1990	510 107	512 187	333 597	167 888	190 993	46 046	9 478	30 054	1 800 350
1991-1995	733 660	578 483	428 994	186 231	247 722	51 695	14 904	42 785	2 284 474
1996-2000	1 058 728	806 509	548 721	222 938	321 825	59 426	23 570	56 008	3 097 725
2001-2003(a)	469 560	399 389	263 817	91 489	128 862	25 674	11 005	24 989	1 414 785
Not stated	2 864	470	2 353	18	—	9	—	—	5 714
Total	3 163 322	2 822 384	1 915 327	873 449	1 091 973	247 492	68 275	183 719	10 365 941

CAMPERVANS

To 1985	4 168	5 488	3 532	3 044	4 865	2 083	96	336	23 612
1986-1990	1 172	872	928	544	999	495	20	79	5 109
1991-1995	949	450	670	306	507	283	18	53	3 236
1996-2000	1 141	773	908	303	564	244	16	50	3 999
2001-2003(a)	321	854	779	195	114	58	3	11	2 335
Not stated	36	8	1	1	—	—	—	—	46
Total	7 787	8 445	6 818	4 393	7 049	3 163	153	529	38 337

LIGHT COMMERCIAL VEHICLES

To 1985	104 895	126 030	107 367	39 030	60 998	21 982	4 910	4 167	469 379
1986-1990	83 509	70 346	65 195	22 378	37 971	12 222	3 659	2 650	297 930
1991-1995	112 279	73 203	93 781	24 275	47 155	12 511	5 637	3 719	372 560
1996-2000	156 442	108 306	118 044	31 764	57 166	13 471	7 724	5 041	497 958
2001-2003(a)	73 436	60 051	56 228	15 299	22 833	5 261	3 823	2 921	239 852
Not stated	1 208	111	743	8	—	6	—	—	2 076
Total	531 769	438 047	441 358	132 754	226 123	65 453	25 753	18 498	1 879 755

LIGHT RIGID TRUCKS

To 1985	6 246	5 736	5 047	1 395	2 431	1 073	45	167	22 140
1986-1990	6 326	2 918	3 139	817	1 525	331	72	108	15 236
1991-1995	5 800	2 087	3 366	574	1 271	250	160	103	13 611
1996-2000	6 613	2 783	3 608	735	1 300	283	152	140	15 614
2001-2003(a)	4 033	2 956	2 833	634	904	214	71	89	11 734
Not stated	98	13	33	—	—	—	—	—	144
Total	29 116	16 493	18 026	4 155	7 431	2 151	500	607	78 479

HEAVY RIGID TRUCKS

To 1985	27 336	33 797	22 407	11 307	20 066	3 754	948	430	120 045
1986-1990	15 191	12 824	9 637	4 074	6 467	1 466	633	389	50 681
1991-1995	12 003	8 340	8 062	2 441	4 500	783	489	329	36 947
1996-2000	14 535	9 661	9 092	2 466	4 949	772	596	429	42 500
2001-2003(a)	6 370	5 045	4 191	1 178	1 746	355	219	161	19 265
Not stated	388	47	319	1	—	1	—	—	756
Total	75 823	69 714	53 708	21 467	37 728	7 131	2 885	1 738	270 194

— nil or rounded to zero (including null cells)

(a) This category includes motor vehicles manufactured in the calendar years 2001 and 2002 and in the first three months of 2003.

Year of manufacture	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
	no.	no.	no.	no.	no.	no.	no.	no.	no.

ARTICULATED TRUCKS

To 1985	3 235	5 425	3 695	1 486	2 680	307	218	22	17 068
1986-1990	2 333	2 905	2 217	1 161	1 530	261	132	38	10 577
1991-1995	2 990	3 418	2 335	1 304	1 099	257	115	46	11 564
1996-2000	4 302	4 982	3 686	1 751	1 650	393	159	114	17 037
2001-2003(a)	1 872	2 516	1 878	733	694	164	73	30	7 960
Not stated	34	8	12	1	—	—	—	—	55
Total	14 766	19 254	13 823	6 436	7 653	1 382	697	250	64 261

NON-FREIGHT CARRYING TRUCKS

To 1985	1 239	1 843	981	567	1 504	439	81	30	6 684
1986-1990	498	1 121	490	428	493	157	42	14	3 243
1991-1995	533	618	610	281	440	128	42	11	2 663
1996-2000	772	922	1 209	377	693	132	76	25	4 206
2001-2003(a)	355	507	461	106	244	79	18	4	1 774
Not stated	16	7	3	2	—	1	—	—	29
Total	3 413	5 018	3 754	1 761	3 374	936	259	84	18 599

BUSES

To 1985	2 678	2 983	2 870	1 052	1 076	752	212	99	11 722
1986-1990	3 439	3 191	2 680	861	1 870	478	387	326	13 232
1991-1995	5 144	3 692	4 111	916	3 165	518	806	247	18 599
1996-2000	5 691	4 256	4 281	1 014	2 879	334	932	214	19 601
2001-2003(a)	1 745	1 765	1 513	442	1 054	112	156	71	6 858
Not stated	108	—	2	—	—	—	—	—	110
Total	18 805	15 887	15 457	4 285	10 044	2 194	2 493	957	70 122

MOTOR CYCLES

To 1985	17 432	19 542	18 836	3 568	13 259	2 104	439	1 386	76 566
1986-1990	9 837	10 433	9 934	1 637	5 880	976	330	715	39 742
1991-1995	17 711	15 643	15 352	4 436	8 285	1 570	585	1 184	64 766
1996-2000	36 792	33 167	26 045	8 133	14 117	2 889	1 295	2 474	124 912
2001-2003(a)	18 171	20 016	13 577	4 166	5 525	1 043	595	1 255	64 348
Not stated	106	271	46	6 514	—	—	—	—	6 937
Total	100 049	99 072	83 790	28 454	47 066	8 582	3 244	7 014	377 271

TOTAL MOTOR VEHICLES

To 1985	555 632	726 190	502 580	266 334	309 450	97 136	16 267	36 520	2 510 109
1986-1990	632 412	616 797	427 817	199 788	247 728	62 432	14 753	34 373	2 236 100
1991-1995	891 069	685 934	557 281	220 764	314 144	67 995	22 756	48 477	2 808 420
1996-2000	1 285 016	971 359	715 594	269 481	405 143	77 944	34 520	64 495	3 823 552
2001-2003(a)	575 863	493 099	345 277	114 242	161 976	32 960	15 963	29 531	1 768 911
Not stated	4 858	935	3 512	6 545	—	17	—	—	15 867
Total	3 944 850	3 494 314	2 552 061	1 077 154	1 438 441	338 484	104 259	213 396	13 162 959

— nil or rounded to zero (including null cells)

(a) This category includes motor vehicles manufactured in the calendar years 2001 and 2002 and in the first three months of 2003.

EXPLANATORY NOTES

MOTOR VEHICLE CENSUS

1 This publication presents statistics relating to vehicles which were registered with a motor vehicle registration authority at 31 March 2003.

2 Motor Vehicle Censuses (MVC) have been conducted periodically from 1971 on each of the following dates:

2003, 31 March	1993, 30 June
2002, 31 March	1991, 30 September
2001, 31 March	1988, 30 September
1999, 31 October	1985, 30 September
1998, 31 October	1982, 30 September
1997, 31 October	1979, 30 September
1996, 31 October	1976, 30 September
1995, 31 May	1971, 30 September

SCOPE

3 Vehicles on register are defined as those vehicles registered at the date of the census, or had registration expire less than one month before that date.

4 Motor vehicle registration statistics are derived from data made available by various state and territory motor vehicle registration authorities and reflect the information as recorded in registration documents.

5 Considerable effort has been made in recent years, both by motor vehicle registration authorities and the Australian Bureau of Statistics (ABS), to improve data quality through the introduction of improved processing and classification systems, and the incorporation of additional internal checking based on make and model. While these have improved data accuracy, there remains some variation in the reporting from different state and territory registries and hence care should still be taken when comparing data across jurisdictions.

6 For vehicles manufactured during or after 1990, the statistics in this publication are based on procedures using the Vehicle Identification Number (VIN), adopted by state and territory motor vehicle registration authorities. The VIN system allows accurate identification of the make and model of a vehicle, which can then be used to better identify the vehicle type. Vehicles manufactured earlier than 1990 generally do not have a VIN.

7 The estimated proportion of motor vehicles, excluding motor cycles taken off the register since the previous MVC is referred to as the attrition rate. The attrition rates in the following table have been calculated using new motor vehicle sales data.

ESTIMATED ATTRITION (a), State/territory, Census years

	1999		2002		2003	
	no.	%	no.	%	no.	%
NSW	282 221	7.3	177 095	4.5	191 566	4.7
Vic.	122 121	3.7	129 976	3.8	143 986	4.1
Qld	58 933	2.6	52 067	2.2	57 080	2.3
SA	44 848	4.3	37 331	3.5	40 480	3.7
WA	55 228	4.1	37 303	2.7	42 040	2.9
Tas.	7 566	2.3	10 648	3.2	11 306	3.3
NT	7 077	6.6	6 178	5.8	6 927	6.4
ACT	11 410	5.6	9 164	4.4	9 057	4.2
Aust.	589 404	4.7	459 762	3.6	502 442	3.8

(a) For more details on calculation of attrition rate refer to Glossary.

EXPLANATORY NOTES *continued*

SCOPE *continued*

8 The Motor Vehicle Census includes all vehicles registered with a state, territory or other government motor vehicle registry for unrestricted use on public roads with the following exceptions:

- recreational vehicles such as trail bikes and sand dune buggies intended for off-road use in most states and territories (in Victoria and Queensland these vehicles must be registered and are thus included in the statistics);
- consular vehicles; and
- vehicles registered by the defence forces.

STATISTICAL GEOGRAPHY

9 The ABS uses geographic concordances to enable the conversion of data from one type of geographic region to another. These geographic concordances are generally used to convert data for 'non-standard areas' to data for standard areas used by the ABS.

10 The only geographic data available from the MVC are postcode of owner and state of registration. Consequently, conversion factors have been used to concord postcode estimates to estimates for statistical local areas (SLA). SLA estimates are then aggregated to form statistical divisions (SD). The concordances were calculated according to the SLA boundaries as at 1 July 2002 as explained in the Detailed Main Structure of the *Australian Standard Geographical Classification (ASGC), 2002*, (cat. no. 1216.0).

11 The geographic concordances used for this MVC were based on the distribution of the estimated resident population (ERP) across Australia. For the purposes of this publication, it is assumed that motor vehicles are distributed between SLAs in the same manner as the ERP.

12 When analysing the data the following limitations of the concordance methodology need to be taken into account:

- in applying the concordances it is assumed that the particular characteristics of any data item are uniformly distributed across a postcode. Therefore concorded data may not truly reflect the distribution of the characteristics of the population.
- there were some instances where the postcode of the vehicle's owner was in a different state to that in which the vehicle was registered. For example, the postcode of the owner of the vehicle was in Sydney (a postcode of 2000), yet the vehicle was registered in Qld (a postcode of 4000). Data for these postcodes have been included in an 'out of state/unspecified' category for each state.
- some official postcodes (P.O. boxes, competition postcodes) do not correspond to residential areas but still have been reported under the postcode of owner field. Data for these and other 'invalid' postcodes have been included in an 'out of state/unspecified' category for each state and territory.

13 While care was taken in producing concordances, the ABS will not guarantee the accuracy of concorded data.

RELATED PUBLICATIONS

14 Users may also wish to refer to the following publications and products which contain information relating to motor vehicles in Australia:

- *Directory of Transport Statistics, 2000* cat. no. 1132.0 (irregular)
- *Sales of New Motor Vehicles, Australia, (Electronic Publication)* cat. no. 9314.0 (issued monthly)
- *Survey of Motor Vehicle use, Australia* cat. no. 9208.0 (issued annually since 1998)
- *Freight Movements, Australia* cat. no. 9220.0 (irregular)

ABS DATA AVAILABLE ON REQUEST

15 As well as the statistics included in this publication, the ABS has other relevant data available on request. Inquiries should be made to the National Information and Referral Service on 1300 135 070.

GLOSSARY

Articulated trucks	Motor vehicles constructed primarily for load carrying, consisting of a prime mover having no significant load carrying area, but with a turntable device which can be linked to one or more trailers.
Attrition rate	<p>The estimated proportion of motor vehicles taken off the register since the previous MVC. The attrition rate is also referred to as the motor vehicle retirement or scrappage rate. The number of registration lapses is calculated by adding the total registrations at the earlier MVC to the number of new motor vehicle sales between the MVCs, and subtracting the total registrations at the later MVC. The attrition rate measures the number of registration lapses as a percentage of the total potential vehicle fleet, where the potential vehicle fleet is the number of registrations at the first MVC date plus the number of new motor vehicle sales between the two MVCs. To calculate the annualised attrition rate as a percentage apply the following formula:</p> $\left[1 - \left\{ T2 / (T1 + N1) \right\}^{12/M} \right] \times 100$ <p>where T1 is the number of registrations at the first time point, N1 is the number of new sales between the first and second time points, T2 is the number of registrations at the second time point and M is the number of months between the two time points.</p>
Average vehicle age	<p>The estimated average age of registered motor vehicles in Australia. The age of a vehicle is defined as the number of years since it was first manufactured. The formula allows for the census being conducted on different days of the year.</p> <p>For vehicles manufactured in the current year: Vehicle age = Reference month/24</p> <p>For vehicles manufactured in previous years: Vehicle age = Current year - Year of manufacture + (Reference month - 6)/12</p> <p>The average age is then calculated as the sum of all vehicle ages divided by the total number of vehicles.</p>
Buses	Motor vehicles constructed for the carriage of passengers. Included are all motor vehicles with 10 or more seats, including the driver's seat.
Campervans	Self-propelled motor vehicles containing an area primarily used for accommodation. Included are motor homes and powered caravans.
Estimated Resident Population (ERP)	The official ABS estimate of the Australian population. Based on results from the Census of Population and Housing, it is updated annually between censuses using demographic statistics. To obtain ERP figures, the census count is adjusted for under enumeration and for Australian residents temporarily overseas on census night.
Gross Combination Mass (GCM)	Tare weight (i.e. unladen weight) of the motor vehicle and attached trailers, plus its maximum carrying and towing capacity. GCM is the weight measurement used for trailer towing vehicles such as articulated trucks.
Gross Vehicle Mass (GVM)	Tare weight (i.e. unladen weight) of the motor vehicle, plus its maximum carrying capacity excluding trailers.
Heavy rigid trucks	Rigid trucks of GVM greater than 4.5 tonnes.
Light commercial vehicles	Vehicles primarily constructed for the carriage of goods, and which are less than or equal to 3.5 tonnes GVM. Included are utilities, panel vans, cab-chassis and forward-control load carrying vehicles (whether four-wheel drive or not).
Light rigid trucks	Rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes.
Make	The manufacturer of the motor vehicle (e.g. Ford, Holden, Mitsubishi, Toyota).
Motor cycles	Two and three wheeled motor vehicles constructed primarily for the carriage of one or two persons. Included are two and three wheeled mopeds, scooters, motor tricycles and motor cycles with side cars.

GLOSSARY *continued*

Non-freight carrying trucks	Specialist motor vehicles or motor vehicles fitted with special purpose equipment, and having little or no goods carrying capacity (e.g. ambulances, cherry pickers, fire trucks and tow trucks).
Passenger vehicles	Motor vehicles constructed primarily for the carriage of up to nine persons (including the driver). Included are cars, station wagons, four-wheel drive passenger vehicles and forward-control passenger vehicles. Excluded are campervans.
Rigid trucks	Motor vehicles of GVM greater than 3.5 tonnes, constructed with a load carrying area. Included are normal rigid trucks with a tow bar, draw bar or other non-articulated coupling on the rear of the vehicle. Rigid trucks are divided into two categories: <ul style="list-style-type: none">■ Light rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes■ Heavy rigid trucks of GVM greater than 4.5 tonnes
State/territory	The state or territory motor registry at which a vehicle is registered.
Statistical division (SD)	The SD is a general purpose spatial unit and is the largest and most stable spatial unit within each state/territory. In aggregate they cover Australia without gaps or overlaps. SDs aggregate to form state/territories.

FOR MORE INFORMATION . . .

- INTERNET* **www.abs.gov.au** the ABS web site is the best place to start for access to summary data from our latest publications, information about the ABS, advice about upcoming releases, our catalogue, and Australia Now—a statistical profile.
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- DIAL-A-STATISTIC* For the latest figures for National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, Estimated Resident Population and the Consumer Price Index call 1900 986 400 (call cost 77c per minute).

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