

**MOTOR VEHICLE CENSUS**

AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) MON 18 NOV 2002

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- 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 2002 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. Information is also provided on caravans, trailers and plant and equipment.

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.

Dennis Trewin
Australian Statistician

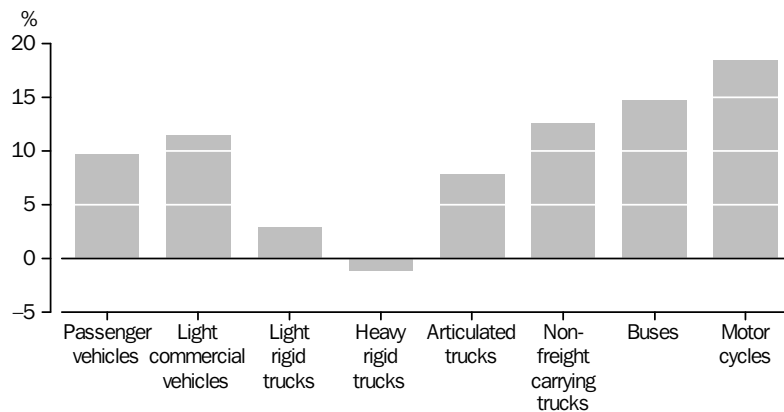
SUMMARY OF FINDINGS

TOTAL NUMBER OF VEHICLES ON REGISTER

There were 12.8 million registered motor vehicles including motor cycles in Australia at 31 March 2002. This represented an increase of 2.8% on the number registered at 31 March 2001.

Over the five years from 1997 to 2002, registrations of all vehicle types except heavy rigid trucks increased. The passenger vehicle fleet increased by 895,203 (9.7%) while the motor cycle fleet showed the greatest percentage increase with 57,881 (18%). The light rigid truck fleet increased by 2,130 (3.0%) whereas the heavy rigid truck fleet decreased by 3,059 (1.1%).

PERCENTAGE CHANGE (1997–2002), Vehicle type, Australia



Over three-quarters (79% or 10.1 million) of the vehicle fleet were passenger vehicles. Both this proportion and the proportion of all other individual vehicle types showed little change over this five year period.

TOTAL REGISTRATIONS BY STATE/TERRITORY

New South Wales had the largest number of motor vehicles on register at 31 March 2002 with 3.8 million (30% of the total) while the Northern Territory had the smallest with 0.1 million (0.8%). The state/territory share of the motor vehicle fleet has remained relatively unchanged over the last five years.

Queensland showed the highest increase of registered motor vehicles over the last 12 months with a 3.9% rise followed by Victoria and New South Wales with rises of 2.9% and 2.7% respectively.

Queensland also recorded the largest growth over the last five years with a 15% increase in the total motor vehicle fleet size. The state/territory with the least growth over the five year period was Tasmania with a 3.1% increase. The estimated resident population of Queensland increased by 8.6% while Tasmania remained static over the same period.

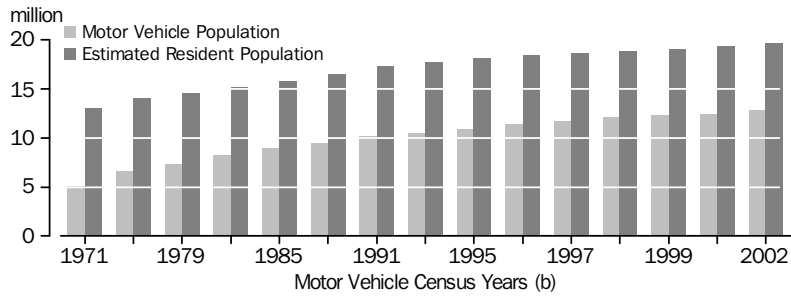
VEHICLES AND RESIDENT POPULATION

The motor vehicle fleet relative to the Australian estimated resident population has significantly increased over the last 30 years. The number of persons per motor vehicle was 3.3 in 1971 compared with 1.9 in 2002. Over this period the motor vehicle fleet has increased by 151% while the population has increased by 50%.

SUMMARY OF FINDINGS *continued*

VEHICLES AND RESIDENT POPULATION *continued*

MOTOR VEHICLE FLEET AND ESTIMATED RESIDENT POPULATION (a)



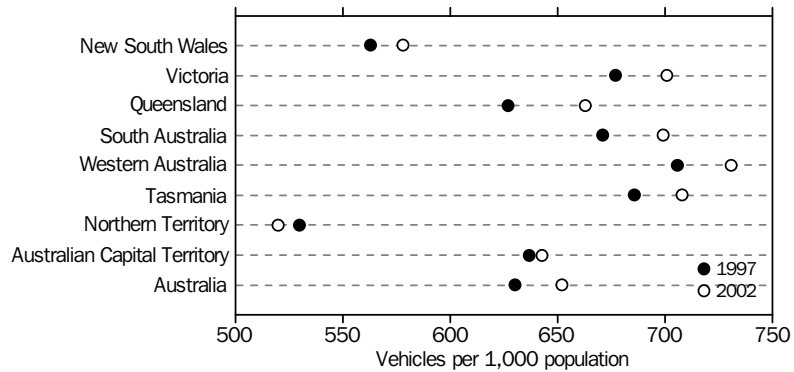
(a) The population figures to 1995 are at 30 June. From 1996, the population figures dates match the Motor Vehicle Census dates.

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

Source: ABS 1971–2002 Population Data

At 31 March 2002, there were 652 vehicles per 1,000 estimated resident population, an increase from 627 per 1,000 estimated resident population at 31 October 1997. Western Australia had the highest rate of all states and territories with 731 vehicles per 1,000 estimated resident population and the Northern Territory the lowest rate with 520 vehicles per 1,000 estimated resident population. The Northern Territory was the only state/territory where the proportion of registered motor vehicles per 1,000 estimated resident population was lower in 2002 than it was in 1997.

MOTOR VEHICLES PER 1,000 POPULATION, State/territory of registration



Source: ABS 1971 and 2002 Population Data

There were 514 passenger vehicles per 1,000 estimated resident population at 31 March 2002. South Australia had the highest number of passenger vehicles with 567 per 1,000 estimated resident population while the Northern Territory had the lowest with 343 per 1,000 estimated resident population.

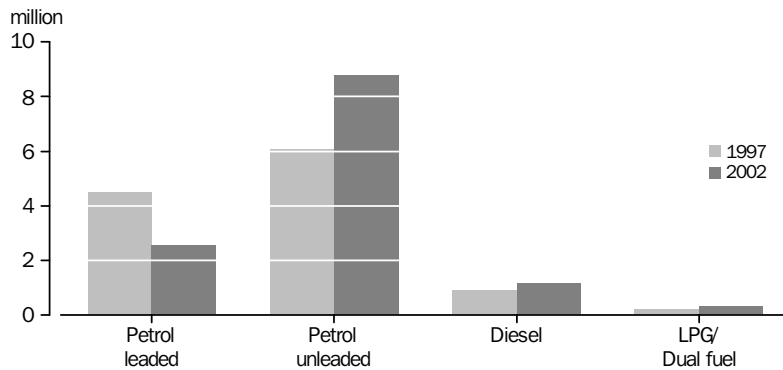
TYPE OF FUEL

All petrol-powered motor vehicles manufactured after February 1986 were designed to use unleaded fuel. At 31 March 2002 the total number of motor vehicles manufactured before 1986 was 2.9 million (23%) compared with 4.9 million (42%) at 31 October 1997.

SUMMARY OF FINDINGS *continued*

TYPE OF FUEL *continued*

MOTOR VEHICLE FLEET, Fuel type (a)



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

Of the total motor vehicle fleet on register, 11.3 million (88%) were manufactured to use petrol with 8.8 million vehicles (69%) manufactured to use unleaded petrol. This is an increase of 46% over the number of vehicles manufactured to use unleaded petrol at 31 October 1997. At 31 March 2002, passenger vehicles comprised 85% of all petrol driven vehicles. Of passenger vehicles 76% were manufactured to use unleaded petrol compared with 57% in 1997.

Diesel fuel was used by 9.0% (1.2 million) of registered vehicles at 31 March 2002, an increase from the 7.8% (0.9 million) recorded at 31 October 1997. At 31 March 2002, 97% (61,984) of articulated trucks were manufactured to use diesel fuel. A high proportion of rigid trucks (82% or 280,971) and non-freight carrying trucks (61% or 11,536) and buses (75% or 52,815) also used diesel fuel. The proportion of diesel passenger vehicles was 2.7% (272,072), up from the 1997 proportion of 2.2% (198,615).

Passenger vehicles and light commercial vehicles made up the largest group of vehicles manufactured to use LPG/dual fuel with these vehicle types accounting for 97% of this fuel type.

TYPE OF VEHICLE

Passenger vehicles

Over the 12 months to 31 March 2002, Queensland, with a 3.9% increase, was the only state or territory to show growth in the passenger vehicle fleet above the national average of 2.7%.

The majority of the passenger vehicle fleet (61% or 6,131,351 vehicles) was manufactured after 1990. A further 32% (3,196,658) was manufactured in the ten years from 1981 to 1990. Only 7.6% (766,621) was manufactured before 1981.

A total of 5.7 million passenger vehicles were Ford, Holden or Toyota. These makes accounted for 57% of the passenger vehicle fleet registered at 31 March 2002.

The Korean make of Kia recorded the largest increase over the 12 months since 31 March 2001 with a 39% rise. Other makes to record large increases were Audi with a 15% increase and Subaru, Jeep and Land Rover each with 11%. The growth in the latter two makes reflects the growing popularity of four-wheel drive vehicles.

SUMMARY OF FINDINGS *continued*

Light commercial vehicles Over the 12 months to 31 March 2002 the number of light commercial vehicles increased by 2.9% to 1.8 million nationally with Queensland recording the highest growth of all states and territories (3.6%). Over half (54%) of this vehicle type was manufactured after 1990.

Toyota continued to have the highest proportion of light commercial vehicle registrations with 31% of the total. Holden and Ford contributed a further 39% to the total light commercial vehicle fleet.

Rigid trucks The 12 month increase in total rigid truck registrations was 0.9% to 341,483 nationally with growth being recorded in Victoria, Queensland, South Australia and the Northern Territory. The largest decrease was in Tasmania with a 2.2% decline. Light rigid trucks increased by 4.4% while the number of heavy rigid trucks has remained stable.

Just over half (53%) of the light rigid truck fleet was manufactured before 1991 whereas over two-thirds (67%) of the heavy rigid truck fleet was manufactured before this date.

Mercedes-Benz recorded the highest growth in the number of light rigid trucks with a 60% rise in registrations reflecting a shift in market share in Australia for this type of vehicle.

Isuzu continued to have the largest share (20%) of heavy rigid trucks followed by the International and Mitsubishi makes with a 15% and 12% share respectively.

Articulated trucks Articulated trucks on register at 31 March 2002, increased by 2.1% to 63,905 over the last 12 months. South Australia and Western Australia recorded the largest increases of 5.2% and 4.0% respectively while small decreases were recorded in the Northern Territory (1.8%) and Tasmania (0.4%).

Nearly half (30,700 or 48%) of all articulated trucks had a Gross Combination Mass (GCM) of over 40 to 50 tonnes while 2,251 (3.5%) were over 100 tonnes. However, the number of trucks of GCM up to 60 tonnes has decreased by 1.7% over the 12 months to 31 March 2002 whereas the trend to larger trucks continued with those of GCM over 60 tonnes increasing by 12%. Over half (33,487 or 52%) of the articulated truck fleet was manufactured after 1990.

Kenworth had the highest proportion of articulated trucks with 21% of the total. Freightliner recorded the largest 12 month increase in registrations with a 14% rise although only contributing 5.4% to the total articulated truck fleet.

Buses The number of buses on register increased by 3.9% to 70,196 over the 12 months to 31 March 2002 with New South Wales recording the largest increase at 8.5%. There were decreases in the bus fleet in the Australian Capital Territory and the Northern Territory (3.7% and 2.0% respectively).

Toyota had the highest proportion of the bus fleet in 2002 with over half (56%) of all registrations. Toyota also contributed the largest proportion of the small bus fleet with 87%. Bedford buses are no longer manufactured and their numbers continued to decrease, falling by 14% over the last 12 months.

SUMMARY OF FINDINGS *continued*

Motor cycles

The number of motor cycles on register in Australia increased by 5.7% to 370,982. Victoria recorded the largest increase at 8.5% while the Northern Territory was the only state or territory to record a decrease (5.0%). Of the total motor cycle fleet, 63% were manufactured after 1990.

The most popular makes, Honda and Yamaha, recorded increased registrations of 3.0% and 5.3% respectively. Together they comprised nearly half of total registrations (48%). The number of Harley Davidson motor cycles increased by 4.7% over the last 12 months with this make now accounting for 11% of the motor cycle fleet. Triumph recorded the largest increase with a 15% rise.

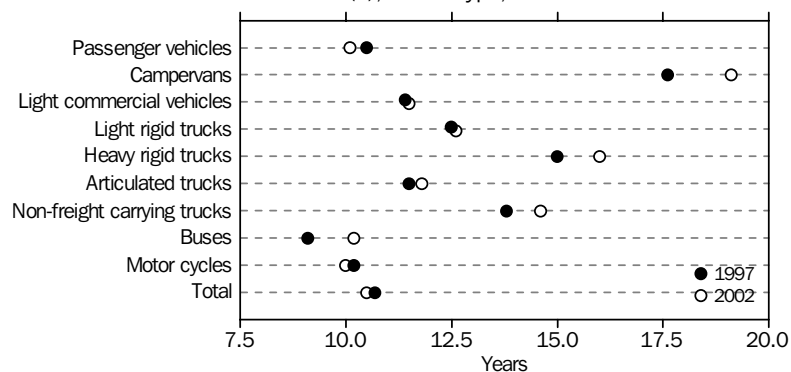
AVERAGE AGE OF VEHICLES

The average age of the motor vehicle fleet at 31 March 2002 was 10.5 years. This represents a slight decline from 10.7 years recorded at 31 October 1997.

The states/territories with the highest vehicle fleet average age were Tasmania and South Australia with 12.5 years and 11.9 years respectively, while the Northern Territory (9.2 years) and New South Wales (9.4 years) recorded the lowest average ages.

Over the same period the average age of passenger vehicles fell from 10.5 years to 10.1 years. The vehicle type with the highest average age was campervans, with an average age of 19.1 years. Motor cycles had the lowest average age of 10.0 years.

ESTIMATED AVERAGE VEHICLE AGE (a), Vehicle type, Years



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

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

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Census year	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
1997	2 843 916	2 521 814	1 607 519	801 591	956 900	240 460	64 698	169 340	9 206 238
2001	3 007 316	2 682 536	1 767 318	853 039	1 038 848	243 425	67 850	175 552	9 835 884
2002	3 088 332	2 754 258	1 836 529	862 432	1 065 632	246 422	68 524	179 312	10 101 441
CAMPERVANS									
1997	6 586	7 144	4 731	4 736	6 644	2 698	156	596	33 291
2001	6 714	7 202	5 342	4 350	6 476	2 870	127	505	33 586
2002	7 069	7 938	5 703	4 231	6 648	2 921	143	511	35 164
LIGHT COMMERCIAL VEHICLES									
1997	459 483	385 907	361 127	120 854	204 439	59 219	23 638	17 550	1 632 217
2001	501 666	410 807	408 960	127 928	216 222	62 289	24 493	17 218	1 769 583
2002	515 493	423 998	423 512	130 052	221 242	62 990	24 950	17 756	1 819 993
LIGHT RIGID TRUCKS									
1997	27 096	17 557	13 548	3 614	4 005	2 269	435	607	72 131
2001	27 284	15 048	15 145	3 711	6 891	2 075	395	599	71 148
2002	28 054	15 657	16 546	3 923	7 032	2 048	424	577	74 261
HEAVY RIGID TRUCKS									
1997	77 664	69 478	51 158	22 246	36 978	8 189	2 772	1 796	270 281
2001	75 996	68 113	52 305	21 459	37 506	7 331	2 811	1 742	267 263
2002	75 082	69 123	52 612	21 443	37 213	7 153	2 836	1 760	267 222
ARTICULATED TRUCKS									
1997	15 754	17 144	11 760	5 097	6 984	1 488	793	272	59 292
2001	15 253	18 262	12 921	6 077	7 672	1 489	665	258	62 597
2002	15 294	18 553	13 285	6 394	7 981	1 483	653	262	63 905
NON-FREIGHT CARRYING TRUCKS									
1997	3 201	5 386	2 821	1 636	2 495	905	186	69	16 699
2001	3 336	5 489	3 364	1 877	2 890	926	246	76	18 204
2002	3 457	5 467	3 579	1 904	3 071	971	261	87	18 797
BUSES									
1997	15 850	14 266	12 853	3 693	8 818	2 174	2 482	1 007	61 143
2001	17 238	15 484	14 677	4 186	10 096	2 240	2 643	1 008	67 572
2002	18 702	15 950	15 114	4 284	10 326	2 259	2 590	971	70 196
TOTAL MOTOR VEHICLES (EXCL. MOTOR CYCLES)									
1997	3 449 550	3 038 696	2 065 517	963 467	1 230 263	317 402	95 160	191 237	11 351 292
2001	3 654 803	3 222 941	2 280 032	1 022 627	1 326 601	322 645	99 230	196 958	12 125 837
2002	3 751 483	3 310 944	2 366 880	1 034 663	1 359 145	326 247	100 381	201 236	12 450 979
MOTOR CYCLES									
1997	80 598	80 271	66 640	28 744	39 318	7 581	3 948	6 001	313 101
2001	90 734	94 741	74 320	27 940	44 740	8 428	3 594	6 433	350 930
2002	95 649	102 764	78 644	28 395	46 531	8 810	3 414	6 775	370 982

(a) The 1997 data are at 31 October. The 2001 and 2002 data are at 31 March.

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

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Census year	no.	no.	no.	no.	no.	no.	no.	no.	no.
TOTAL MOTOR VEHICLES									
1997	3 530 148	3 118 967	2 132 157	992 211	1 269 581	324 983	99 108	197 238	11 664 393
2001	3 745 537	3 317 682	2 354 352	1 050 567	1 371 341	331 073	102 824	203 391	12 476 767
2002	3 847 132	3 413 708	2 445 524	1 063 058	1 405 676	335 057	103 795	208 011	12 821 961

(a) The 1997 data are at 31 October. The 2001 and 2002 data are at 31 March.

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PLANT AND EQUIPMENT, CARAVANS AND TRAILERS ON REGISTER, Census years(a)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Census year	no.	no.	no.	no.	no.	no.	no.	no.	no.
PLANT AND EQUIPMENT (b)									
1997	20 473	18 562	34 450	10 307	16 101	4 495	162	478	105 028
2001	17 963	26 353	15 405	10 241	17 225	4 260	1 403	442	93 292
2002	18 077	28 532	15 499	9 339	17 914	4 916	1 406	450	96 133
CARAVANS									
1997	57 017	93 408	39 821	28 586	36 727	5 207	675	1 387	262 828
2001	59 671	92 098	43 989	30 909	38 862	5 426	630	1 521	273 106
2002	61 763	93 752	50 464	31 871	39 629	5 585	798	1 561	285 423
TRAILERS									
1997	550 069	360 311	396 006	195 533	235 317	63 081	18 735	23 418	1 842 470
2001	586 779	393 743	431 822	220 626	265 585	68 243	20 392	26 703	2 013 893
2002	600 496	410 248	476 838	226 180	274 127	70 236	21 526	27 922	2 107 573

(a) The 1997 data are at 31 October. The 2001 and 2002 data are at 31 March.

(b) Queensland and the Northern Territory data for 2001 and 2002 are not directly comparable to previous years because of improvements to vehicle classifications.

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

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Census year	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
1997	r440	r535	r456	r534	r514	r509	r332	r538	r483
2001	r456	r558	r488	r564	r547	r515	r341	r548	r506
2002	464	565	498	567	554	520	343	555	514
CAMPERVANS									
1997	1	2	1	3	4	6	1	2	2
2001	1	1	1	3	3	6	1	2	2
2002	1	2	2	3	3	6	1	2	2
LIGHT COMMERCIAL VEHICLES									
1997	r71	r82	r103	r80	r110	125	r121	r56	r86
2001	r76	85	113	85	114	132	r123	r54	r91
2002	77	87	115	86	115	133	125	55	93
ALL TRUCK TYPES									
1997	r19	r23	23	22	r29	27	r21	9	r22
2001	r18	22	23	22	29	25	21	r8	22
2002	18	22	23	22	29	25	21	8	22
BUSES									
1997	r2	3	4	2	5	5	13	3	3
2001	3	3	4	3	5	5	13	3	3
2002	3	3	4	3	5	5	13	3	4
MOTOR CYCLES									
1997	r12	17	r19	19	r21	16	r20	19	r16
2001	14	20	21	r18	r24	18	18	r20	18
2002	14	21	21	19	24	19	17	21	19
TOTAL MOTOR VEHICLES									
1997	r546	r661	r605	r661	r682	r688	r508	r627	r612
2001	r568	r690	r651	r694	r722	r700	r516	r634	r642
2002	578	701	663	699	731	708	520	643	652

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(a) Motor Vehicle Census data are at 31 October for 1997 and 31 March for 2001 and 2002. Resident population data are at 30 June for 1997 and 31 March for 2001 and 2002.

Source: ABS 1971–2002 Population Data

ESTIMATED AVERAGE AGE OF THE VEHICLE FLEET(a)(b), Census years(c)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Type of vehicle	years	years	years	years	years	years	years	years	years
1997									
Passenger vehicles	9.5	11.1	10.3	12.1	10.6	12.1	9.2	10.1	10.5
Campervans	16.4	18.8	15.7	17.9	18.8	17.7	13.1	17.4	17.6
Light commercial vehicles	10.5	12.4	11.0	12.6	11.3	12.8	9.8	10.6	11.4
Light rigid trucks	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	12.5
Heavy rigid trucks	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	15.0
Articulated trucks	11.3	11.9	11.1	10.9	12.7	10.5	10.8	9.1	11.5
Non-freight carrying trucks	13.2	13.6	11.8	13.0	17.2	15.9	12.1	17.2	13.8
Buses	8.8	10.0	9.2	11.1	7.4	12.9	5.3	8.9	9.1
Motor cycles	9.6	10.0	10.9	(d)9.8	11.3	10.5	8.6	9.9	10.2
Total	9.7	11.4	10.5	12.2	11.0	12.4	9.3	10.2	10.7
2001									
Passenger vehicles	9.0	10.6	10.1	11.8	10.4	12.0	8.9	10.0	10.1
Campervans	17.2	19.7	16.9	19.4	21.0	19.5	19.4	19.6	19.0
Light commercial vehicles	10.3	12.4	11.1	12.6	11.9	13.2	9.9	10.9	11.4
Light rigid trucks	11.2	14.6	12.2	14.5	14.1	17.0	7.6	12.0	12.7
Heavy rigid trucks	13.8	17.2	14.6	17.6	17.4	17.1	12.8	10.9	15.7
Articulated trucks	10.9	12.0	11.5	11.2	13.6	10.9	12.0	7.9	11.7
Non-freight carrying trucks	13.9	15.5	11.6	14.2	16.8	17.3	12.6	15.6	14.6
Buses	9.3	10.5	10.1	11.6	8.5	13.9	7.6	9.6	9.9
Motor cycles	9.0	9.6	10.7	(d)9.6	11.7	10.3	8.0	9.4	10.0
Total	9.4	11.0	10.5	12.0	11.0	12.4	9.2	10.1	10.5
2002									
Passenger vehicles	9.0	10.5	10.2	11.7	10.5	12.1	8.9	9.9	10.1
Campervans	17.3	19.3	17.2	20.1	21.4	19.8	20.1	19.6	19.1
Light commercial vehicles	10.4	12.3	11.2	12.5	12.0	13.4	9.9	10.9	11.5
Light rigid trucks	11.2	14.1	12.4	14.1	14.1	17.0	7.9	11.8	12.6
Heavy rigid trucks	14.0	17.3	14.9	17.9	17.8	17.5	13.0	11.5	16.0
Articulated trucks	10.8	12.1	11.6	11.1	13.8	11.4	11.7	8.5	11.8
Non-freight carrying trucks	13.4	15.7	11.5	14.6	16.9	17.1	12.4	14.9	14.6
Buses	9.7	10.7	10.4	11.8	9.1	14.3	8.1	10.3	10.2
Motor cycles	9.0	9.6	10.6	(d)9.5	11.9	10.6	8.1	9.4	10.0
Total	9.4	10.9	10.5	11.9	11.1	12.5	9.2	10.0	10.5

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

(b) Excludes plant and equipment, caravans and trailers.

(c) The 1997 data are at 31 October. The 2001 and 2002 data are at 31 March.

(d) The year of manufacture for motor cycles in South Australia is not well reported. In 2002 it was not reported for 27% of motor cycles registered in South Australia.

MOTOR VEHICLES ON REGISTER, Fuel type, Census years(a)

PETROL

Type of vehicle	Leaded	Unleaded	Total	Diesel	LPG/Dual fuel	Other/not stated	Total
	no.	no.	no.	no.	no.	no.	no.
1997							
Passenger vehicles	3 619 161	5 234 764	8 853 925	198 615	152 912	784	9 206 236
Campervans	20 135	3 472	23 607	8 435	1 156	93	33 291
Light commercial vehicles	643 190	604 636	1 247 826	330 755	53 252	386	1 632 219
Light rigid trucks	20 953	4 103	25 056	45 254	1 772	49	72 131
Heavy rigid trucks	52 824	3 484	56 308	211 216	2 271	486	270 281
Articulated trucks	1 746	670	2 416	56 844	22	10	59 292
Non-freight carrying trucks	5 524	2 894	8 418	7 606	635	40	16 699
Buses	5 255	8 999	14 254	45 965	912	12	61 143
Motor cycles	135 904	177 146	313 050	—	—	51	313 101
Total	4 504 692	6 040 168	10 544 860	904 690	212 932	1 911	11 664 393

2001

Passenger vehicles	2 265 192	7 113 609	9 378 801	249 527	206 985	571	9 835 884
Campervans	16 499	4 293	20 792	11 206	1 584	4	33 586
Light commercial vehicles	461 057	795 827	1 256 884	432 001	80 538	160	1 769 583
Light rigid trucks	14 240	3 718	17 958	51 457	1 726	7	71 148
Heavy rigid trucks	38 633	3 794	42 427	222 624	2 196	16	267 263
Articulated trucks	1 127	823	1 950	60 613	32	2	62 597
Non-freight carrying trucks	4 611	2 471	7 082	10 483	631	8	18 204
Buses	3 520	11 545	15 065	51 068	1 437	2	67 572
Motor cycles	99 463	251 467	350 930	—	—	—	350 930
Total	2 904 342	8 187 547	11 091 889	1 088 979	295 129	770	12 476 767

2002

Passenger vehicles	1 960 660	7 642 109	9 602 769	272 072	226 510	90	10 101 441
Campervans	15 550	4 620	20 170	12 966	2 025	3	35 164
Light commercial vehicles	416 226	849 518	1 265 744	461 581	92 639	29	1 819 993
Light rigid trucks	13 214	3 950	17 164	55 232	1 860	5	74 261
Heavy rigid trucks	35 498	3 735	39 233	225 739	2 243	7	267 222
Articulated trucks	1 004	882	1 886	61 984	34	1	63 905
Non-freight carrying trucks	4 126	2 413	6 539	11 536	716	6	18 797
Buses	3 273	12 399	15 672	52 815	1 707	2	70 196
Motor cycles	93 478	277 492	370 970	8	—	4	370 982
Total	2 543 029	8 797 118	11 340 147	1 153 933	327 734	147	12 821 961

— nil or rounded to zero (including null cells)

(a) The 1997 data are at 31 October. The 2001 and 2002 data are at 31 March.

MOTOR VEHICLES ON REGISTER, Type of vehicle

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Year of manufacture	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
To 1970	34 879	50 146	24 014	17 752	21 008	5 065	627	2 330	155 821
1971-1975	38 882	55 498	31 305	22 530	20 128	7 234	814	3 493	179 884
1976-1980	85 221	133 226	79 270	55 177	49 396	18 974	2 151	7 501	430 916
1981-1985	306 189	377 273	254 674	144 879	143 093	44 237	7 821	22 129	1 300 295
1986-1990	549 920	536 449	346 278	174 927	198 743	47 634	10 511	31 901	1 896 363
1991-1995	752 644	579 492	425 958	184 643	248 400	51 092	15 781	43 235	2 301 245
1996	173 212	137 804	90 229	39 302	56 661	10 210	3 748	8 537	519 703
1997	206 934	156 561	106 051	44 305	63 502	12 265	4 674	10 548	604 840
1998	239 902	171 205	119 066	48 426	70 576	12 853	5 679	12 635	680 342
1999	223 883	168 110	113 644	42 391	61 823	11 201	5 334	11 707	638 093
2000	233 754	169 709	116 930	42 948	69 053	11 952	5 386	12 726	662 458
2001	208 572	195 103	109 252	39 709	54 119	12 458	5 354	11 198	635 765
2002	30 866	23 139	17 099	5 420	9 130	1 235	644	1 372	88 905
Not stated	3 474	543	2 759	23	—	12	—	—	6 811
Total	3 088 332	2 754 258	1 836 529	862 432	1 065 632	246 422	68 524	179 312	10 101 441
CAMPERVANS									
To 1970	172	840	263	284	708	154	7	15	2 443
1971-1975	909	1 266	699	755	1 265	446	27	101	5 468
1976-1980	1 290	1 705	1 018	1 016	1 547	717	38	121	7 452
1981-1985	1 834	1 529	1 362	1 047	1 409	730	31	122	8 064
1986-1990	1 026	759	789	466	863	437	16	64	4 420
1991-1995	769	386	582	262	436	231	13	47	2 726
1996	164	65	130	39	89	35	4	15	541
1997	221	120	204	31	68	48	4	10	706
1998	175	234	167	60	138	46	1	6	827
1999	162	277	130	101	55	17	1	3	746
2000	185	128	175	86	39	41	1	4	659
2001	118	609	170	83	31	18	—	3	1 032
2002	4	12	13	—	—	1	—	—	30
Not stated	40	8	1	1	—	—	—	—	50
Total	7 069	7 938	5 703	4 231	6 648	2 921	143	511	35 164
LIGHT COMMERCIAL VEHICLES									
To 1970	5 869	10 008	6 429	2 667	4 322	1 547	180	245	31 267
1971-1975	13 626	20 917	14 032	6 248	8 027	3 319	455	623	67 247
1976-1980	30 022	39 513	32 072	12 657	21 410	6 890	1 354	1 238	145 156
1981-1985	68 195	68 212	64 936	22 192	33 498	11 545	3 529	2 628	274 735
1986-1990	87 552	72 721	66 746	23 099	39 038	11 806	3 683	2 756	307 401
1991-1995	114 629	73 494	94 292	24 345	47 477	12 268	5 909	3 801	376 215
1996	26 164	18 773	20 435	5 930	11 517	2 616	1 503	795	87 733
1997	27 594	19 160	21 271	5 794	11 208	2 455	1 492	896	89 870
1998	33 179	21 877	25 020	6 911	11 685	2 706	1 796	1 007	104 181
1999	37 021	24 988	26 552	6 527	10 574	2 628	1 643	1 094	111 027
2000	34 578	23 438	25 489	6 482	12 154	2 730	1 558	1 286	107 715
2001	31 702	27 601	21 997	6 299	8 917	2 212	1 643	1 260	101 631
2002	3 979	3 163	3 382	890	1 415	260	205	127	13 421
Not stated	1 383	133	859	11	—	8	—	—	2 394
Total	515 493	423 998	423 512	130 052	221 242	62 990	24 950	17 756	1 819 993

— nil or rounded to zero (including null cells)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Year of manufacture	no.	no.	no.	no.	no.	no.	no.	no.	no.
LIGHT RIGID TRUCKS									
To 1970	353	701	347	155	290	123	1	3	1 973
1971-1975	508	1 038	697	173	334	214	5	17	2 986
1976-1980	1 961	2 125	1 650	546	943	415	9	61	7 710
1981-1985	4 062	2 440	2 651	655	1 063	374	12	95	11 352
1986-1990	6 611	2 960	3 158	846	1 543	334	73	117	15 642
1991-1995	5 933	2 076	3 351	553	1 271	241	146	109	13 680
1996	935	391	480	94	243	39	18	16	2 216
1997	1 004	454	554	88	241	38	19	22	2 420
1998	1 413	713	699	140	275	65	41	35	3 381
1999	1 675	831	860	194	293	62	38	40	3 993
2000	1 637	465	964	192	254	59	28	24	3 623
2001	1 635	1 338	949	252	218	72	30	36	4 530
2002	218	109	150	35	64	12	4	2	594
Not stated	109	16	36	—	—	—	—	—	161
Total	28 054	15 657	16 546	3 923	7 032	2 048	424	577	74 261

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
HEAVY RIGID TRUCKS									
To 1970	2 813	7 611	2 660	2 138	3 906	460	26	9	19 623
1971-1975	3 720	6 073	3 335	1 993	3 548	573	89	36	19 367
1976-1980	8 537	9 428	6 429	3 186	6 354	1 332	268	127	35 661
1981-1985	14 471	12 716	11 007	4 774	6 953	1 721	668	334	52 644
1986-1990	15 431	13 041	9 664	4 050	6 411	1 423	632	404	51 056
1991-1995	12 209	8 230	8 149	2 369	4 401	766	478	328	36 930
1996	2 328	1 487	1 408	370	976	126	81	62	6 838
1997	2 576	1 874	1 605	482	882	144	111	63	7 737
1998	3 370	2 022	2 110	497	1 056	162	131	65	9 413
1999	3 267	2 201	2 060	553	949	158	120	104	9 412
2000	3 162	2 057	1 909	496	1 009	146	116	153	9 048
2001	2 414	2 120	1 701	465	695	126	97	65	7 683
2002	306	210	185	68	73	15	19	10	886
Not stated	478	53	390	2	—	1	—	—	924
Total	75 082	69 123	52 612	21 443	37 213	7 153	2 836	1 760	267 222

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
ARTICULATED TRUCKS									
To 1970	174	440	212	38	167	11	3	1	1 046
1971-1975	444	974	519	192	392	48	17	3	2 589
1976-1980	1 420	2 231	1 540	610	1 295	141	84	16	7 337
1981-1985	1 767	2 127	1 669	836	1 300	202	98	15	8 014
1986-1990	2 709	3 022	2 243	1 234	1 661	318	129	47	11 363
1991-1995	3 318	3 472	2 418	1 339	1 182	286	109	45	12 169
1996	808	804	579	266	323	58	31	17	2 886
1997	841	938	748	338	329	73	31	21	3 319
1998	1 098	1 223	927	395	399	111	40	35	4 228
1999	870	1 126	842	399	330	78	38	32	3 715
2000	869	1 008	748	364	273	94	37	19	3 412
2001	815	1 040	695	320	285	56	32	10	3 253
2002	115	140	131	62	45	7	4	1	505
Not stated	46	8	14	1	—	—	—	—	69
Total	15 294	18 553	13 285	6 394	7 981	1 483	653	262	63 905

— nil or rounded to zero (including null cells)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Year of manufacture	no.	no.	no.	no.	no.	no.	no.	no.	no.
NON-FREIGHT CARRYING TRUCKS									
To 1970	127	495	69	111	415	82	6	9	1 314
1971-1975	183	336	122	108	249	97	11	3	1 109
1976-1980	425	497	332	201	402	164	26	10	2 057
1981-1985	646	921	539	267	406	150	48	14	2 991
1986-1990	533	1 253	509	464	440	164	34	12	3 409
1991-1995	533	715	670	315	405	131	47	13	2 829
1996	90	252	221	90	121	42	18	6	840
1997	71	169	224	121	143	21	21	5	775
1998	99	212	167	42	134	32	21	4	711
1999	170	206	351	58	111	24	8	5	933
2000	295	178	221	82	149	22	11	5	963
2001	238	199	142	41	95	41	10	1	767
2002	28	25	7	3	1	—	—	—	64
Not stated	19	9	5	1	—	1	—	—	35
Total	3 457	5 467	3 579	1 904	3 071	971	261	87	18 797

BUSES

To 1970	74	186	45	30	57	76	3	7	478
1971-1975	125	249	157	63	135	138	11	6	884
1976-1980	1 049	832	1 119	406	359	291	45	24	4 125
1981-1985	1 763	2 273	1 901	733	670	334	163	70	7 907
1986-1990	3 713	3 383	2 770	870	1 988	511	403	332	13 970
1991-1995	5 404	3 808	4 175	953	3 374	532	839	282	19 367
1996	980	733	897	285	673	67	205	23	3 863
1997	959	851	840	205	526	66	216	56	3 719
1998	1 302	855	867	230	621	71	248	32	4 226
1999	1 155	902	760	130	618	55	189	47	3 856
2000	1 188	944	811	192	746	77	177	63	4 198
2001	739	819	673	148	490	38	76	26	3 009
2002	119	113	96	39	69	3	15	3	457
Not stated	132	2	3	—	—	—	—	—	137
Total	18 702	15 950	15 114	4 284	10 326	2 259	2 590	971	70 196

TOTAL MOTOR VEHICLES (EXCL. MOTOR CYCLES)

To 1970	44 461	70 427	34 039	23 175	30 873	7 518	853	2 619	213 965
1971-1975	58 397	86 351	50 866	32 062	34 078	12 069	1 429	4 282	279 534
1976-1980	129 925	189 557	123 430	73 799	81 706	28 924	3 975	9 098	640 414
1981-1985	398 927	467 491	338 739	175 383	188 392	59 293	12 370	25 407	1 666 002
1986-1990	667 495	633 588	432 157	205 956	250 687	62 627	15 481	35 633	2 303 624
1991-1995	895 439	671 673	539 595	214 779	306 946	65 547	23 322	47 860	2 765 161
1996	204 681	160 309	114 379	46 376	70 603	13 193	5 608	9 471	624 620
1997	240 200	180 127	131 497	51 364	76 899	15 110	6 568	11 621	713 386
1998	280 538	198 341	149 023	56 701	84 884	16 046	7 957	13 819	807 309
1999	268 203	198 641	145 199	50 353	74 753	14 223	7 371	13 032	771 775
2000	275 668	197 927	147 247	50 842	83 677	15 121	7 314	14 280	792 076
2001	246 233	228 829	135 579	47 317	64 850	15 021	7 242	12 599	757 670
2002	35 635	26 911	21 063	6 517	10 797	1 533	891	1 515	104 862
Not stated	5 681	772	4 067	39	—	22	—	—	10 581
Total	3 751 483	3 310 944	2 366 880	1 034 663	1 359 145	326 247	100 381	201 236	12 450 979

— nil or rounded to zero (including null cells)

MOTOR VEHICLES ON REGISTER, Type of vehicle *continued*

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
<i>Year of manufacture</i>	no.	no.	no.	no.	no.	no.	no.	no.	no.
MOTOR CYCLES									
To 1970	1 208	1 826	1 679	762	2 004	108	33	67	7 687
1971-1975	2 069	2 273	2 569	527	1 564	246	38	153	9 439
1976-1980	4 199	5 260	4 526	878	3 233	537	122	338	19 093
1981-1985	11 690	14 068	11 493	1 677	7 287	1 565	337	992	49 109
1986-1990	10 458	12 221	10 418	1 688	6 369	1 076	354	791	43 375
1991-1995	18 519	17 655	15 785	4 706	8 775	1 666	703	1 224	69 033
1996	5 549	5 051	4 098	1 331	2 246	463	218	360	19 316
1997	6 595	6 227	4 183	1 382	2 575	546	240	483	22 231
1998	8 484	7 294	5 947	1 890	3 026	641	323	557	28 162
1999	9 054	8 365	6 202	2 043	3 326	629	381	514	30 514
2000	9 234	9 823	5 973	2 045	3 562	770	388	674	32 469
2001	7 856	11 211	5 299	1 778	2 333	522	268	577	29 844
2002	601	1 095	411	148	231	41	9	45	2 581
Not stated	133	395	61	7 540	—	—	—	—	8 129
Total	95 649	102 764	78 644	28 395	46 531	8 810	3 414	6 775	370 982
TOTAL MOTOR VEHICLES									
To 1970	45 669	72 253	35 718	23 937	32 877	7 626	886	2 686	221 652
1971-1975	60 466	88 624	53 435	32 589	35 642	12 315	1 467	4 435	288 973
1976-1980	134 124	194 817	127 956	74 677	84 939	29 461	4 097	9 436	659 507
1981-1985	410 617	481 559	350 232	177 060	195 679	60 858	12 707	26 399	1 715 111
1986-1990	677 953	645 809	442 575	207 644	257 056	63 703	15 835	36 424	2 346 999
1991-1995	913 958	689 328	555 380	219 485	315 721	67 213	24 025	49 084	2 834 194
1996	210 230	165 360	118 477	47 707	72 849	13 656	5 826	9 831	643 936
1997	246 795	186 354	135 680	52 746	79 474	15 656	6 808	12 104	735 617
1998	289 022	205 635	154 970	58 591	87 910	16 687	8 280	14 376	835 471
1999	277 257	207 006	151 401	52 396	78 079	14 852	7 752	13 546	802 289
2000	284 902	207 750	153 220	52 887	87 239	15 891	7 702	14 954	824 545
2001	254 089	240 040	140 878	49 095	67 183	15 543	7 510	13 176	787 514
2002	36 236	28 006	21 474	6 665	11 028	1 574	900	1 560	107 443
Not stated	5 814	1 167	4 128	7 579	—	22	—	—	18 710
Total	3 847 132	3 413 708	2 445 524	1 063 058	1 405 676	335 057	103 795	208 011	12 821 961

— nil or rounded to zero (including null cells)

7

PASSENGER VEHICLES ON REGISTER, Year of manufacture

Make	1985 and earlier	1986-1990	1991-1995	1996-1998	1999	2000	2001	2002	Not stated	Total
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
Audi	1 131	1 697	5 771	6 930	2 809	3 072	3 371	574	6	25 361
BMW	20 423	16 967	29 129	25 667	9 002	9 628	11 933	2 406	75	125 230
Chrysler	47 770	27	25	6 115	1 742	2 398	2 702	360	174	61 313
Daewoo	—	—	14 117	50 548	20 644	20 405	10 440	1 553	—	117 707
Daihatsu	11 495	24 742	64 687	19 684	5 624	5 681	4 539	522	61	137 035
Ford	422 564	475 215	486 847	328 744	101 726	89 049	76 398	8 375	1 037	1 989 955
Holden	447 982	354 382	418 739	321 143	120 917	128 630	142 802	21 183	1 792	1 957 570
Honda	41 995	54 330	66 960	58 947	28 662	28 726	20 155	3 787	107	303 669
Hyundai	2	21 273	97 145	157 632	46 564	45 314	36 143	6 383	13	410 469
Jaguar	15 350	4 179	1 309	1 583	1 046	965	1 021	281	55	25 789
Jeep	1 367	44	6 292	16 943	3 701	3 639	3 459	710	1	36 156
Kia	—	—	—	11 764	5 533	10 211	11 255	1 491	—	40 254
Land Rover	2 440	443	12 401	14 719	5 906	4 447	4 836	731	11	45 934
Mazda	123 061	63 439	104 275	62 670	19 295	21 166	28 147	3 341	192	425 586
Mercedes-Benz	47 991	16 679	14 808	18 174	8 741	10 185	11 854	1 721	166	130 319
Mitsubishi	135 265	206 988	272 209	192 698	53 791	61 951	57 405	4 493	253	985 053
Nissan (incl. Datsun)	173 297	204 415	132 472	81 026	38 801	39 478	36 882	7 274	548	714 193
Peugeot	11 008	2 913	8 342	7 333	2 439	2 688	3 479	1 149	44	39 395
Saab	3 112	7 365	11 686	8 939	2 668	2 461	2 820	463	20	39 534
Subaru	29 063	22 740	47 491	42 915	24 562	26 775	27 581	4 332	94	225 553
Suzuki	9 226	17 185	45 358	25 421	6 829	6 137	6 253	751	26	117 186
Toyota	340 312	362 447	421 627	298 224	108 912	119 228	107 671	13 160	901	1 772 482
Volkswagen	33 048	1 236	3 897	12 814	5 483	7 592	9 779	1 202	232	75 283
Volvo	37 401	15 617	12 428	10 538	3 296	3 127	3 483	569	73	86 532
Other/not stated	111 613	22 040	23 230	23 714	9 400	9 505	11 357	2 094	930	213 883
Total	2 066 916	1 896 363	2 301 245	1 804 885	638 093	662 458	635 765	88 905	6 811	10 101 441

— nil or rounded to zero (including null cells)

8

CAMPERVANS ON REGISTER, Year of manufacture

Make	1985 and earlier	1986-1990	1991-1995	1996-1998	1999	2000	2001	2002	Not stated	Total
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
Bedford	2 193	—	—	—	—	—	—	—	6	2 199
Ford	1 129	264	413	515	55	49	144	6	5	2 580
Mazda	1 289	850	566	341	115	197	174	8	1	3 541
Mitsubishi	372	260	183	106	5	16	1	—	2	945
Nissan (incl. Datsun)	2 471	683	114	—	—	—	—	—	4	3 272
Toyota	7 781	1 885	1 010	620	246	182	274	12	19	12 029
Volkswagen	4 987	220	96	65	12	11	8	—	11	5 410
Other/not stated	3 205	258	344	427	313	204	431	4	2	5 188
Total	23 427	4 420	2 726	2 074	746	659	1 032	30	50	35 164

— nil or rounded to zero (including null cells)

9

LIGHT COMMERCIAL VEHICLES ON REGISTER, Year of manufacture

Make	1985 and earlier	1986-1990	1991-1995	1996-1998	1999	2000	2001	2002	Not stated	Total
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
Chrysler	3 981	4	—	—	—	—	—	—	12	3 997
Daihatsu	8 779	4 461	1 075	136	181	199	26	1	36	14 894
Ford	82 394	69 644	62 926	54 309	21 317	25 512	25 879	2 816	317	345 114
Holden	129 626	23 247	64 177	63 925	26 689	22 025	26 254	3 728	529	360 200
Land Rover	10 926	191	1 560	1 494	292	227	213	9	107	15 019
Mazda	20 368	13 373	22 618	15 790	6 396	5 847	6 061	837	67	91 357
Mercedes-Benz	4	—	—	727	1 269	2 406	2 433	221	—	7 060
Mitsubishi	22 376	30 787	46 903	27 175	8 777	7 286	7 589	629	92	151 614
Nissan (incl. Datsun)	55 462	46 124	28 927	18 679	8 532	7 421	5 335	1 104	198	171 782
Subaru	3 507	9 977	5 848	12	—	—	—	—	36	19 380
Suzuki	15 688	6 020	1 974	1 076	466	425	224	28	47	25 948
Toyota	135 529	100 905	134 282	90 249	35 209	34 302	26 368	3 894	649	561 387
Volkswagen	7 379	1 319	3 316	5 447	802	923	701	82	25	19 994
Other/not stated	22 386	1 349	2 609	2 765	1 097	1 142	548	72	279	32 247
Total	518 405	307 401	376 215	281 784	111 027	107 715	101 631	13 421	2 394	1 819 993

— nil or rounded to zero (including null cells)

10

LIGHT RIGID TRUCKS ON REGISTER, Year of manufacture

Make	1985 and earlier	1986-1990	1991-1995	1996-1998	1999	2000	2001	2002	Not stated	Total
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
Chevrolet	1 367	66	121	100	10	8	12	1	10	1 695
Daihatsu	4 092	2 328	1 323	438	246	312	194	24	21	8 978
Ford	5 076	2 350	2 026	808	65	74	500	162	27	11 088
Isuzu	675	2 784	3 318	2 795	1 674	1 421	1 250	134	14	14 065
Mazda	1 348	1 497	1 350	538	186	193	211	23	1	5 347
Mercedes-Benz	12	1	1	397	587	571	1 051	95	—	2 715
Mitsubishi	587	2 414	2 782	1 705	742	590	500	57	9	9 386
Nissan (incl. Datsun)	924	276	113	—	—	—	—	—	1	1 314
Toyota	7 722	3 893	2 551	764	375	405	262	18	45	16 035
Other/not stated	2 218	33	95	472	108	49	550	80	33	3 638
Total	24 021	15 642	13 680	8 017	3 993	3 623	4 530	594	161	74 261

— nil or rounded to zero (including null cells)

11

HEAVY RIGID TRUCKS ON REGISTER, Year of manufacture

Make	1985 and earlier	1986-1990	1991-1995	1996-1998	1999	2000	2001	2002	Not stated	Total
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
Bedford	9 791	7	—	—	—	—	—	—	131	9 929
Dodge	7 793	1	3	17	3	—	2	—	46	7 865
Ford	16 026	5 258	2 529	1 165	45	16	22	4	134	25 199
Hino	7 871	6 168	4 643	3 162	1 739	1 765	1 636	217	47	27 248
International	29 517	4 357	3 245	2 032	541	462	518	54	243	40 969
Isuzu	14 226	11 447	10 187	7 322	3 297	3 133	2 446	274	76	52 408
Mazda	3 291	3 063	1 952	747	222	140	157	9	14	9 595
Mercedes-Benz	2 342	1 109	767	76	23	21	93	15	11	4 457
Mitsubishi	8 897	9 046	6 611	4 124	1 517	1 547	1 245	85	45	33 117
UD Nissan (diesel)	2 701	2 261	1 819	1 792	661	513	467	85	20	10 319
Toyota	5 471	2 722	1 657	481	153	101	145	6	46	10 782
Volvo	3 544	1 891	1 300	881	230	315	331	40	8	8 540
Other/not stated	15 825	3 726	2 217	2 189	981	1 035	621	97	103	26 794
Total	127 295	51 056	36 930	23 988	9 412	9 048	7 683	886	924	267 222

— nil or rounded to zero (including null cells)

12

RIGID TRUCKS ON REGISTER, Gross Vehicle Mass (GVM)

Make	GVM (TONNES)								Total
	3.5 to 4.5	Over 4.5 to 6	Over 6 to 8	Over 8 to 10	Over 10 to 12	Over 12 to 16	Over 16 to 20	Greater than 20	
no.	no.	no.	no.	no.	no.	no.	no.	no.	
Bedford	407	1 218	1 977	2 733	2 177	1 571	124	129	10 336
Daihatsu	8 978	3 294	88	—	—	—	—	—	12 360
Dodge	754	1 270	1 692	1 116	2 411	1 057	239	80	8 619
Ford	11 088	4 988	6 032	1 784	2 581	3 701	205	5 908	36 287
Hino	580	84	1 558	7 247	5 523	9 793	686	2 357	27 828
International	1 143	1 067	2 761	4 080	5 156	12 484	2 001	13 420	42 112
Isuzu	14 065	5 701	10 771	15 645	5 867	11 120	120	3 184	66 473
Mazda	5 347	3 652	5 943	—	—	—	—	—	14 942
Mercedes-Benz	2 715	16	75	158	201	1 277	147	2 583	7 172
Mitsubishi	9 386	7 176	3 596	6 494	3 436	9 296	46	3 073	42 503
Nissan (incl. Datsun)	1 314	746	91	123	25	115	3	112	2 529
UD Nissan (diesel)	—	2	2	3 141	1 134	3 189	93	2 758	10 319
Toyota	16 035	6 586	2 687	158	1 010	341	—	—	26 817
Volvo	—	—	—	—	—	782	370	7 388	8 540
Other/not stated	2 449	1 095	1 046	1 708	1 774	2 864	768	12 942	24 646
Total	74 261	36 895	38 319	44 387	31 295	57 590	4 802	53 934	341 483

— nil or rounded to zero (including null cells)

13

ARTICULATED TRUCKS ON REGISTER, Year of manufacture

Make	1985 and earlier	1986-1990	1991-1995	1996-1998	1999	2000	2001	2002	Not stated	Total
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
Atkinson	543	63	—	—	—	—	—	—	—	606
Ford	1 656	1 448	1 351	934	29	1	1	—	5	5 425
Freightliner	—	134	857	1 167	304	547	382	71	—	3 462
International	3 334	1 566	1 768	1 616	440	329	332	41	18	9 444
Kenworth	3 685	2 269	2 491	2 443	930	762	758	142	13	13 493
Mack	2 075	1 608	1 644	1 433	530	538	489	42	6	8 365
Mercedes-Benz	1 955	579	506	127	59	51	106	15	10	3 408
Mitsubishi	157	296	116	65	48	52	19	4	—	757
Nissan UD (diesel)	547	299	173	131	48	25	20	7	—	1 250
Scania	146	462	743	619	214	117	154	40	1	2 496
Volvo	1 825	1 424	1 421	915	435	451	499	78	8	7 056
Western Star	110	432	904	793	307	167	100	17	—	2 830
White	896	—	—	—	—	—	—	—	2	898
Other/not stated	2 057	783	195	190	371	372	393	48	6	4 415
Total	18 986	11 363	12 169	10 433	3 715	3 412	3 253	505	69	63 905

— nil or rounded to zero (including null cells)

14

ARTICULATED TRUCKS ON REGISTER, Gross Combination Mass (GCM)

Make	GCM (TONNES)									Total
	Over 3 to 20	Over 20 to 30	Over 30 to 40	Over 40 to 50	Over 50 to 60	Over 60 to 80	Over 80 to 100	Greater than 100		
	no.	no.	no.	no.	no.	no.	no.	no.	no.	
Atkinson	—	15	208	321	41	12	9	—	—	606
Ford	76	298	443	3 637	165	400	378	28	—	5 425
Freightliner	—	—	45	1 838	69	789	642	79	—	3 462
International	148	710	1 903	4 668	199	991	648	177	—	9 444
Kenworth	43	196	569	6 688	595	2 364	2 358	680	—	13 493
Mack	17	157	424	4 457	543	1 621	550	596	—	8 365
Mercedes-Benz	31	293	1 380	1 341	114	202	18	29	—	3 408
Mitsubishi	68	90	376	223	—	—	—	—	—	757
Nissan UD (diesel)	42	100	542	437	97	26	6	—	—	1 250
Scania	25	84	342	955	93	422	490	85	—	2 496
Volvo	31	147	998	2 683	193	2 553	244	207	—	7 056
Western Star	—	—	—	1 271	155	462	630	312	—	2 830
White	2	7	159	412	87	166	50	15	—	898
Other/not stated	242	454	1 148	1 769	74	375	310	43	—	4 415
Total	725	2 551	8 537	30 700	2 425	10 383	6 333	2 251	69	63 905

— nil or rounded to zero (including null cells)

15

NON-FREIGHT CARRYING TRUCKS ON REGISTER, Year of manufacture

Make	1985 and earlier	1986-1990	1991-1995	1996-1998	1999	2000	2001	2002	Not stated	Total
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
Bedford	424	—	—	—	—	—	—	—	3	427
Ford	2 045	769	608	516	143	77	26	8	8	4 200
Hino	233	654	407	317	85	89	80	15	4	1 884
Holden	128	11	55	114	40	50	23	3	1	425
International	1 966	209	82	83	17	9	9	1	4	2 380
Isuzu	404	789	660	430	328	256	206	13	3	3 089
Mazda	105	145	78	16	4	10	12	1	1	372
Mercedes-Benz	187	84	29	8	17	212	191	3	4	735
Mitsubishi	121	217	240	156	47	49	29	1	—	860
Toyota	370	214	313	241	72	82	43	—	—	1 335
Other/not stated	1 488	317	357	445	180	129	148	19	7	3 090
Total	7 471	3 409	2 829	2 326	933	963	767	64	35	18 797

— nil or rounded to zero (including null cells)

16

BUSES ON REGISTER, Year of manufacture

Make	1985 and earlier	1986-1990	1991-1995	1996-1998	1999	2000	2001	2002	Not stated	Total
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
Bedford	1 235	—	—	—	—	—	—	—	3	1 238
Hino	938	724	893	356	105	91	76	9	19	3 211
Leyland	828	193	4	17	—	—	—	—	17	1 059
MAN	660	381	401	363	39	139	84	12	1	2 080
Mazda	644	658	496	59	—	—	—	—	3	1 860
Mercedes-Benz	1 884	1 222	1 337	959	526	567	331	26	23	6 875
Nissan (incl. Datsun)	604	809	771	303	66	135	43	7	1	2 739
Scania	22	198	470	418	118	112	141	23	5	1 507
Toyota	3 371	7 176	13 603	8 430	2 466	2 531	1 704	250	38	39 569
Volvo	1 066	651	524	345	125	126	114	33	6	2 990
Other/not stated	2 142	1 958	868	558	411	497	516	97	21	7 068
Total	13 394	13 970	19 367	11 808	3 856	4 198	3 009	457	137	70 196

— nil or rounded to zero (including null cells)

17

BUSES ON REGISTER, Size of bus(a)

<i>Make</i>	<i>Small</i>	<i>Medium</i>	<i>Large</i>	<i>Total</i>
	no.	no.	no.	no.
Bedford	12	1 024	202	1 238
Hino	—	1 289	1 922	3 211
Leyland	—	172	887	1 059
MAN	—	338	1 742	2 080
Mazda	1 825	35	—	1 860
Mercedes-Benz	289	749	5 837	6 875
Nissan (incl. Datsun)	2 255	458	26	2 739
Scania	—	—	1 507	1 507
Toyota	38 119	1 450	—	39 569
Volvo	—	103	2 887	2 990
Other/not stated	1 248	1 424	4 396	7 068
Total	43 748	7 042	19 406	70 196

— nil or rounded to zero (including null cells)

(a) For definition of 'size of bus' see the Glossary.

18

MOTOR CYCLES ON REGISTER, Year of manufacture

<i>Make</i>	<i>1985 and earlier</i>	<i>1986-1990</i>	<i>1991-1995</i>	<i>1996-1998</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>Not stated</i>	<i>Total</i>
	no.	no.	no.	no.	no.	no.	no.	no.	no.	no.
BMW	5 137	2 355	2 957	2 040	736	931	1 247	233	328	15 964
Ducati	2 557	422	1 527	2 291	446	1 242	984	63	171	9 703
Harley Davidson	7 317	4 798	11 158	7 923	2 590	2 540	2 122	356	482	39 286
Honda	22 860	11 395	17 214	19 986	9 779	9 946	6 855	385	2 342	100 762
Kawasaki	8 794	7 838	11 104	8 539	3 299	3 237	2 295	184	1 016	46 306
Suzuki	12 751	6 426	7 656	9 087	3 088	3 842	3 281	157	1 249	47 537
Triumph	3 404	55	1 188	1 381	710	783	1 272	223	123	9 139
Yamaha	15 035	8 941	14 360	14 362	7 282	6 045	7 081	513	2 117	75 736
Other/not stated	7 473	1 145	1 869	4 100	2 584	3 903	4 707	467	301	26 549
Total	85 328	43 375	69 033	69 709	30 514	32 469	29 844	2 581	8 129	370 982

CARAVANS ON REGISTER, Year of manufacture

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
<i>Year of manufacture</i>	no.	no.	no.	no.	no.	no.	no.	no.	no.
To 1970	1 107	698	1 937	1 319	2 671	186	23	26	7 967
1971-1975	4 507	1 456	4 789	3 848	4 513	623	51	88	19 875
1976-1980	12 423	3 966	10 090	7 852	9 221	1 588	130	260	45 530
1981-1985	11 961	3 033	8 011	4 782	5 811	903	146	281	34 928
1986-1990	8 289	4 623	6 568	3 910	5 894	468	128	247	30 127
1991-1995	6 745	6 955	5 392	3 105	4 225	323	112	188	27 045
1996	1 508	1 695	1 153	702	899	95	34	56	6 142
1997	1 755	1 916	1 390	704	1 001	90	37	59	6 952
1998	2 171	2 537	1 763	1 019	1 128	126	27	69	8 840
1999	2 577	2 754	2 272	1 114	1 311	151	42	79	10 300
2000	2 847	3 112	2 815	1 223	1 436	160	44	89	11 726
2001	2 933	3 964	2 908	1 278	1 337	108	22	102	12 652
2002	281	516	344	177	182	14	—	16	1 530
Not stated	2 659	56 527	1 032	838	—	750	2	1	61 809
Total	61 763	93 752	50 464	31 871	39 629	5 585	798	1 561	285 423

— nil or rounded to zero (including null cells)

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 2002.

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

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
1993, 30 June	

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 on a different basis from that used for previous issues. New motor vehicle sales data have been used instead of new motor vehicle registration data (now not available). This change in the calculation has not resulted in any significant change to the attrition rates previously published.

EXPLANATORY NOTES *continued*

Scope *continued*

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

	1997		2001		2002	
	no.	%	no.	%	no.	%
NSW	171 310	4.7	333 193	6.0	177 095	4.5
Vic.	-46 328	-1.5	255 474	5.2	129 976	3.8
Qld	76 335	3.6	157 728	4.6	52 067	2.2
SA	37 070	3.7	50 400	3.3	37 331	3.5
WA	28 565	2.3	74 660	3.8	37 303	2.7
Tas.	14 567	4.4	18 984	4.0	10 648	3.2
NT	5 016	5.0	11 257	7.3	6 178	5.8
ACT	5 244	2.7	15 782	5.3	9 164	4.4
Aust.	291 779	2.5	917 478	5.0	459 762	3.6

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

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.

RELATED PRODUCTS

9 Data on new motor vehicle sales are available in the monthly publication *Sales of New Motor Vehicles, Australia (Electronic Publication)* (cat. no. 9314.0).

10 Data on distance and area travelled, freight carried and other uses of motor vehicles are included in *Survey of Motor Vehicle Use, Australia* (cat. no. 9208.0) which has been published annually since 1998. *Freight Movements, Australia, Summary* (cat. no. 9220.0) provides data on tonnes and tonne-kilometres of freight moved in Australia by origin and destination and by mode (rail, sea, air and road).

GLOSSARY

Annual percentage change A measure of the percentage change in a variable between one time period and another at an annual rate. This measure allows for the compounding of an increase or decrease over time. Thus an annual percentage increase of 10% results in a figure increasing by 21% over two years. The formula for calculating annual percentage change is:

$$\left[(T2/T1)^{(12/M)} - 1 \right] \times 100$$

where T1 is the value of the data item at the first time point, T2 is the value at the second time point, and M is the number of months between the two time points.

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 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:

$$\left[1 - \{T2/(T1 + N1)\}^{12/M} \right] \times 100$$

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.

Average vehicle age 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.

For vehicles manufactured in the current year:

$$\text{Vehicle age} = \text{Reference month}/24$$

For vehicles manufactured in previous years:

$$\text{Vehicle age} = \text{Current year} - \text{Year of manufacture} + (\text{Reference month} - 6)/12$$

The average age is then calculated as the sum of all vehicle ages divided by the total number of vehicles.

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.

Caravans Non-powered vehicles towed behind another vehicle and used primarily for accommodation. Includes rigid and pop-up caravans and tent trailers but excludes campervans.

GLOSSARY *continued*

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.
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.
Plant and equipment	Self-propelled vehicles (e.g. tractors) custom built to perform a particular function. Included are tractors and fork-lifts registered for normal road use, mobile cranes, drilling rigs, street sweepers, and road construction and mining equipment. Excluded are trucks whose load-carrying area has been fitted with machinery such as fire engines and tow trucks which are included with non-freight carrying trucks, and garbage trucks which are included in rigid trucks.
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
Size of bus	Size of bus is based on GVM, registered seating capacity, or tare weight. Small buses are those of GVM of 5 tonnes or less, medium buses have greater than 5 but less than or equal to 12 tonnes GVM, and large buses have greater than 12 tonnes GVM. If GVM is not reported, then size is based on registered seating capacity. Small buses have 20 seats or fewer, medium buses have 21–40 seats, and large buses have 41 or more seats. If neither GVM nor registered seating capacity are reported then size is based on tare weight. Small buses have tare weight up to and including 3.1 tonnes, medium buses have tare weight over 3.1 tonnes and up to and including 7 tonnes and large buses have greater than 7 tonnes tare weight.
State/territory	The state or territory motor registry at which a vehicle is registered.

GLOSSARY *continued*

- Tare weight** The unladen weight of a vehicle.
- Trailers** Non-powered vehicles that are towed behind another vehicle and which are primarily used for carrying loads. Included are box trailers, semi trailers, boat trailers, horse floats, trailed machinery and similar vehicles.

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