



MOTOR VEHICLE CENSUS

AUSTRALIA

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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

The 2001 Motor Vehicle Census (MVC) was conducted on 31 March 2001. Over recent years, censuses have been conducted on an annual basis at 31 October with the latest occurring in 1999, 17 months before the current MVC. For ease of comparison all percentage movements in this publication have been converted to an annual basis. The process for deriving this annual percentage change is explained in detail in the Glossary.

Abbreviations

GCM	Gross Combination Mass
GVM	Gross Vehicle Mass
—	nil or rounded to zero (including null cells)

Dennis Trewin
Australian Statistician

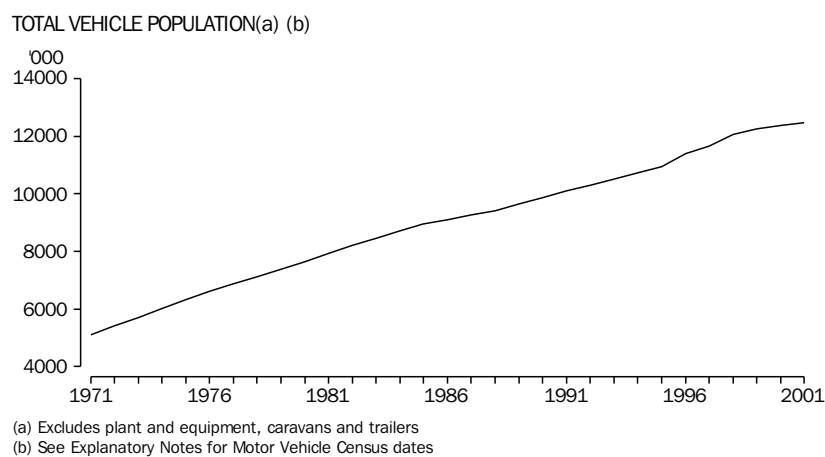
SUMMARY OF FINDINGS

TOTAL NUMBER OF VEHICLES ON REGISTER

There were 12,476,767 registered motor vehicles (excluding plant and equipment) in Australia at 31 March 2001. This represented an increase of 1.2% on the number registered at the previous Motor Vehicle Census (MVC) at 31 October 1999.

In the 20 years to 1991, the number of vehicles on register almost doubled, from 5.1 to 10.1 million. Since 1991 the fleet has increased 24%, while Australia's resident population increased 12%.

Passenger vehicles made up almost 80% of the total fleet with this proportion remaining relatively stable over the past 30 years. However, the fleet share of light commercial vehicles rose from 10% in 1971 to 14% in 2001, while the proportion of rigid trucks decreased from 7.2% to 2.7%.



Total registrations by State/Territory

New South Wales had the largest number of motor vehicles on register at 31 March 2001 with 3,745,537 (30% of the Australian total). The Northern Territory had the lowest proportion of all States and Territories with 0.8%. The proportion of the vehicle fleet closely reflects the proportion of resident population in each State and Territory.

Since 1999, the number of registrations increased in all States and Territories except the Northern Territory where a small decline was recorded (0.2%). The Australian Capital Territory had the largest increase of 2.3% when calculated on an annual basis.

Over the last 10 years, Queensland recorded the highest growth in fleet size of all States and Territories with a 39% increase to 2,354,352 at 31 March 2001. In comparison, the resident population of Queensland grew 21% in the same period. Tasmania recorded the lowest growth in the fleet of 10% over the 10 year period, while its resident population remained relatively static, recording a 0.5% increase.

New registrations and the attrition rate

In the 17 months since the last MVC, an average of 64,656 new vehicles were registered per month compared with 64,110 per month between the 1998 and 1999 censuses.

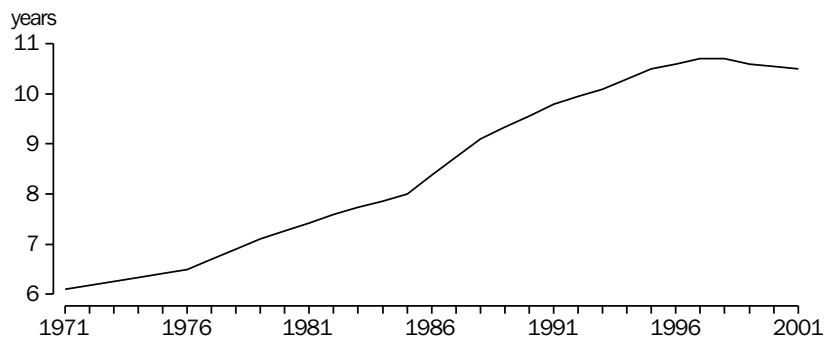
The average number of registrations which lapsed (i.e. were deregistered), between the 1999 and 2001 censuses was 53,418 per month compared with 47,711 per month between 1998 and 1999.

The attrition rate is the proportion of the total fleet taken off register since the previous census. Between 31 October 1999 and 31 March 2001 the annual attrition rate was 5.0% compared with 4.6% between 1998 and 1999 (for more information on attrition rates see the Explanatory Notes).

AVERAGE AGE OF VEHICLES

Over the last 30 years, the average age of the vehicle fleet increased steadily, from 6.1 years in 1971 to 10.7 years in 1998, before falling to 10.5 years in 2001. The average age of passenger vehicles dropped from 10.4 years in 1998 to 10.1 years in 2001, whereas campervans rose from 18.1 years to 19.0 years, rigid trucks with GVM greater than 4.5 tonnes from 15.3 years to 15.7 years and non-freight carrying trucks from 14.3 years to 14.6 years.

ESTIMATED AVERAGE AGE(a) OF VEHICLE FLEET(b)



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

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

Tasmania (12.4 years) and South Australia (12.0 years) had the highest vehicle fleet average age in 2001, with New South Wales (9.4 years) and the Northern Territory (9.2 years) recording the lowest average ages.

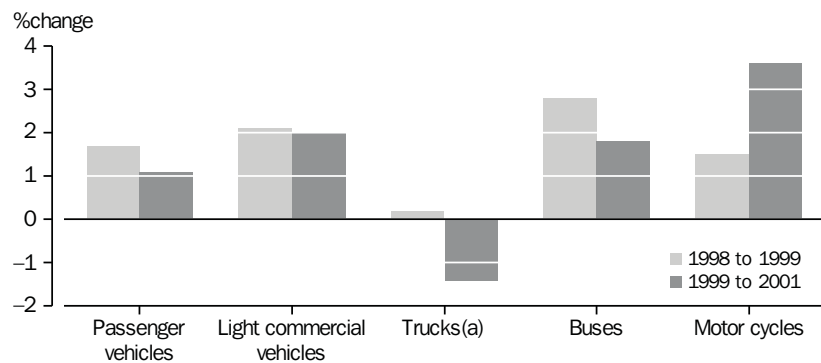
The average age of passenger vehicles was 10.1 years. Queensland recorded the same average age, Victoria a higher average of 10.6 years, while New South Wales was lower, with an average of 9.0 years.

TYPE OF VEHICLE

Registrations of all vehicle types, except campervans and rigid and articulated trucks increased between 1999 and 2001. Passenger vehicles rose by 1.1% to 9,835,884, with light commercial vehicles, buses and motor cycles rising by 2.0%, 1.8% and 3.6%, respectively.

The numbers of rigid and articulated trucks dropped 1.7% and 0.8%, respectively. The fall in the number of these truck types occurred in all States and Territories except for the Australian Capital Territory which recorded a 1.0% increase. The fall can partly be explained by increases in the size and power of modern articulated trucks and the increased carrying capacity of semi-trailers (e.g. B-doubles) in comparison to older prime-movers and trailers.

ANNUAL PERCENTAGE CHANGE BY SELECTED VEHICLE TYPE



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

Passenger Vehicles

The Australian Capital Territory showed the highest growth in the number of passenger vehicles since the last census of 2.2% and Tasmania the lowest with a 0.2% increase when calculated on an annual basis. Over half (56%) of all passenger vehicles were manufactured in the last 10 years while only 9.2% were manufactured earlier than 1981.

Light Commercial Vehicles

New South Wales had the largest increase of 2.8% in light commercial vehicles. The only State or Territory to show a fall was the Northern Territory with a decline of 0.2% between 1999 and 2001. Fifty per cent of light commercial vehicles were manufactured prior to 1991.

TYPE OF VEHICLE *continued*

Rigid Trucks The change in numbers of registered rigid trucks varied from a decrease of 2.6% in Queensland to a 1.2% increase in the Australian Capital Territory. For rigid trucks with a GVM greater than 4.5 tonnes, 30% were manufactured prior to 1981, whereas only 19% of rigid trucks with a GVM of 4.5 tonnes or less were manufactured before this date. Of all rigid trucks, 43% had a GVM of over 10 tonnes with 15% having a GVM of over 20 tonnes, representing little change from the previous MVC.

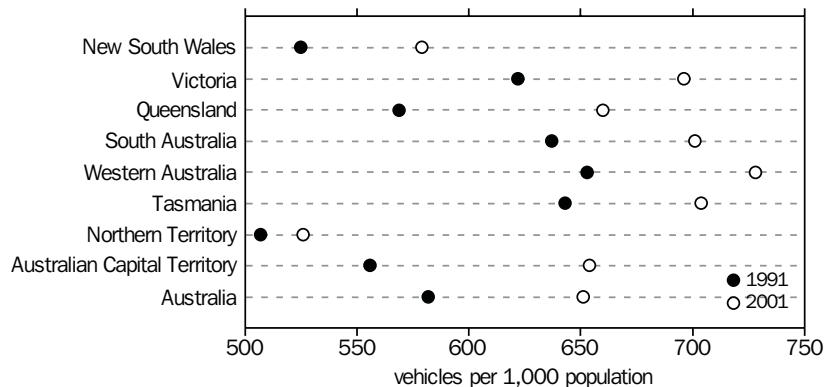
Articulated Trucks There was an annual increase of 3.4% in the number of registered articulated trucks in the Australian Capital Territory and a decline of 13% in the Northern Territory. Nearly half (48%) of all articulated trucks had a GCM of between 40 and 50 tonnes whilst 3.2% were over 100 tonnes. Of all articulated trucks in the Northern Territory, 55% had a GCM of over 100 tonnes reflecting the extensive use of road trains for freight transport. Forty eight percent of all articulated trucks on register were manufactured in the past 10 years.

Motor Cycles The number of motor cycles on register in Australia increased by 3.6% on an annual basis since the last census at 31 October 1999. There was some variation between States and Territories with the Australian Capital Territory recording the largest annual increase of 6.6% followed by Victoria with a 5.4% increase. Tasmania and the Northern Territory recorded decreases of 1.2% and 1.0% respectively. In the 10 years since the 1991 MVC, the motor cycle fleet in Australia grew 24% from 284,146 to 350,930. Of all motor cycles 59% were manufactured in the last 10 years.

VEHICLES AND RESIDENT POPULATION

At 31 March 2001, there were 645 vehicles per 1,000 resident population, an increase from 582 per 1,000 resident population at 30 September 1991. Western Australia had the highest rate of all States and Territories with 720 vehicles per 1,000 resident population in 2001 and 653 per 1,000 in 1991. The Northern Territory had the lowest rate with 522 vehicles per 1,000 resident population in 2001 and 507 per 1,000 resident population in 1991.

MOTOR VEHICLES BY STATE/TERRITORY OF REGISTRATION



Source: Population data: Australian Demographic Statistics (Cat. no. 3101.0).

TYPE OF FUEL

For the 2001 MVC, 89% of vehicles used petrol, with passenger vehicles comprising 85% of this figure. In the 1991 MVC, vehicles manufactured to use leaded petrol made up 64% of the total vehicle fleet, but by 2001 this had fallen to 23%.

All petrol powered vehicles manufactured after February 1986 were produced to use unleaded fuel. In the 1991 MVC, vehicles using unleaded petrol made up 27% of the total vehicle fleet but by 2001 this had risen to 66%. The proportion of passenger vehicles using unleaded petrol rose from 31% in 1991 to 72% in 2001.

Diesel fuel was used by 8.7% (6.0% in 1991) of the vehicle fleet at 31 March 2001, with the majority being trucks and light commercial vehicles. The proportion of passenger vehicles using diesel was 2.5%, nearly double the 1991 proportion of 1.3%.

The number of vehicles using LPG/dual fuel increased by 6.7% between 1999 and 2001 compared to the 10% increase from the 1998 to the 1999 MVC. Passenger vehicles accounted for 70% of LPG/dual fuel vehicles.

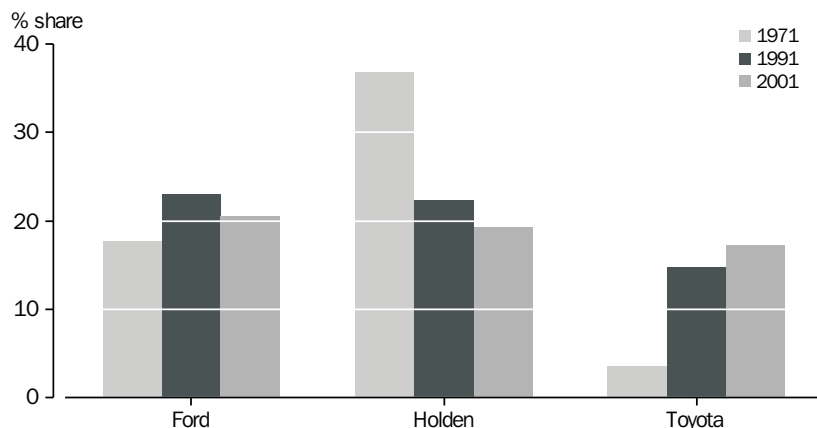
MAKE OF VEHICLE

Passenger vehicles

The Ford, Holden and Toyota makes accounted for 57% of all passenger vehicles registered at 31 March 2001, a slight decline from the share that these makes held of the passenger vehicle fleet in the 1991 (60%) and 1971 (58%) censuses.

In the 1971 MVC the Holden make contributed 37% to the total passenger vehicle fleet, Ford 18% and Toyota 3.6%. By the 2001 census these proportions had changed to 19%, 21% and 17% respectively.

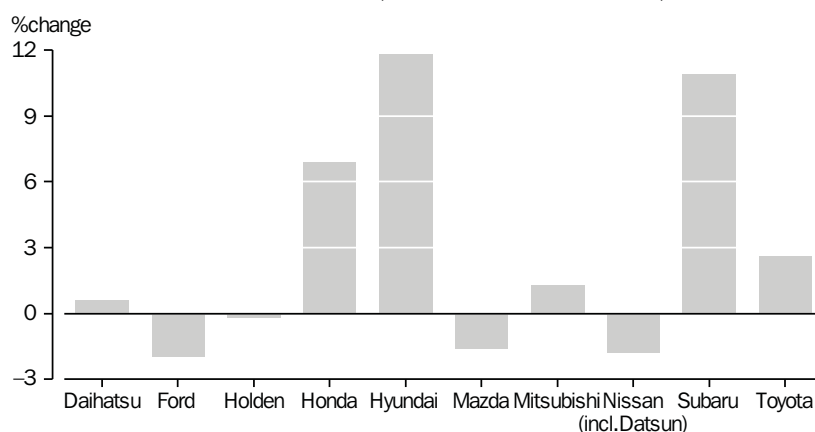
TOP 3 SHARE OF PASSENGER VEHICLE FLEET



Passenger vehicles *continued*

Ford and Holden recorded annual decreases in the number of registrations between 1999 and 2001 of 2.0% and 0.2% respectively, whereas Toyota had a 2.6% increase. The Korean makes of Daewoo and Hyundai recorded relatively large annual increases of 21% and 12% respectively following on from increases of 32% and 15% between 1998 and 1999. Daewoo and Hyundai, however, contributed only 1.1% and 3.8% respectively to the total passenger vehicle fleet. Subaru also recorded a significant increase between 1999 and 2001 of 11%.

TOP 10 PASSENGER VEHICLE MAKES, AVERAGE ANNUAL CHANGE, 1999 TO 2001



Light commercial vehicles

Toyota continued to dominate light commercial vehicle registrations with 31% of the total while also recording the strongest annual percentage growth of 4.3%.

Rigid trucks

There was an overall annual decrease of 2.1% in the number of rigid trucks with a GVM of 4.5 tonnes or less. Isuzu was the only one of the major makes to have significant growth with a 9.7% annual increase.

The number of rigid trucks with a GVM greater than 4.5 tonnes also fell, recording a 1.6% annual decrease. Isuzu had the largest share of these vehicles with 19% of the total, followed by International with 16%.

Articulated trucks

Kenworth continued to be the top make of articulated truck with 21% of the total but only recorded a 1.7% annual increase. Freightliner recorded the largest increase in registrations with 15% although that make only contributed 4.8% to the total articulated truck fleet.

Buses

For over 20 years Toyota has dominated the bus fleet and in 2001 had well over half (56%) of all registrations.

Motor cycles

The major makes, Honda and Yamaha, recorded increased registrations of 2.8% per year and 3.0% per year respectively and together made up nearly half of total registrations. Triumph (11% per year) and Ducati (9.1% per year) recorded the largest increases in the number of registrations.

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1

MOTOR VEHICLES ON REGISTER, BY TYPE OF VEHICLE—CENSUS YEARS(a)

Census year	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PASSENGER VEHICLES									
1998	2 960 610	2 574 621	1 680 713	834 863	1 004 089	237 545	66 711	167 581	9 526 733
1999	2 963 146	2 644 962	1 741 071	838 485	1 018 036	242 867	67 558	170 144	9 686 269
2001	3 007 316	2 682 536	1 767 318	853 039	1 038 848	243 425	67 850	175 552	9 835 884
CAMPERVANS									
1998	6 818	7 137	5 017	4 706	6 651	2 778	159	553	33 819
1999	6 536	7 266	5 194	4 514	6 645	2 792	153	522	33 622
2001	6 714	7 202	5 342	4 350	6 476	2 870	127	505	33 586
LIGHT COMMERCIAL VEHICLES									
1998	481 613	390 753	377 873	125 323	209 827	59 688	24 304	17 052	1 686 433
1999	482 100	401 995	396 332	125 990	212 389	60 982	24 574	16 838	1 721 200
2001	501 666	410 807	408 960	127 928	216 222	62 289	24 493	17 218	1 769 583
RIGID TRUCKS WITH GVM 4.5 TONNES OR LESS									
1998	27 556	16 227	13 958	3 681	7 025	2 145	400	655	71 647
1999	27 060	16 580	15 748	3 743	6 953	2 129	433	623	73 269
2001	27 284	15 048	15 145	3 711	6 891	2 075	395	599	71 148
RIGID TRUCKS WITH GVM GREATER THAN 4.5 TONNES									
1998	80 993	68 817	52 354	22 966	38 163	7 688	2 846	1 739	275 566
1999	78 801	68 889	54 229	21 833	37 647	7 600	2 875	1 680	273 554
2001	75 996	68 113	52 305	21 459	37 506	7 331	2 811	1 742	267 263
ARTICULATED TRUCKS									
1998	16 753	17 326	12 361	5 923	7 320	1 514	820	257	62 274
1999	16 278	18 121	12 764	5 932	7 639	1 501	814	246	63 295
2001	15 253	18 262	12 921	6 077	7 672	1 489	665	258	62 597
NON-FREIGHT CARRYING TRUCKS									
1998	3 282	5 643	2 825	1 798	2 695	930	184	101	17 458
1999	3 230	5 704	2 929	1 905	2 780	902	158	89	17 697
2001	3 336	5 489	3 364	1 877	2 890	926	246	76	18 204
BUSES									
1998	16 503	14 542	13 472	3 892	9 524	2 194	2 902	1 053	64 082
1999	16 628	15 021	14 148	4 005	9 886	2 226	2 966	1 011	65 891
2001	17 238	15 484	14 677	4 186	10 096	2 240	2 643	1 008	67 572
TOTAL MOTOR VEHICLES (EXCL. MOTOR CYCLES)									
1998	3 594 128	3 095 066	2 158 573	1 003 152	1 285 294	314 482	98 326	188 991	11 738 012
1999	3 593 779	3 178 538	2 242 415	1 006 407	1 301 975	320 999	99 531	191 153	11 934 797
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
MOTOR CYCLES									
1998	88 508	82 324	70 271	27 908	41 909	8 213	3 869	5 843	328 845
1999	85 554	87 954	73 219	26 129	42 834	8 569	3 643	5 880	333 782
2001	90 734	94 741	74 320	27 940	44 740	8 428	3 594	6 433	350 930
TOTAL MOTOR VEHICLES									
1998	3 682 636	3 177 390	2 228 844	1 031 060	1 327 203	322 695	102 195	194 834	12 066 857
1999	3 679 333	3 266 492	2 315 634	1 032 536	1 344 809	329 568	103 174	197 033	12 268 579
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

(a) The 1998 and 1999 data are at 31 October. The 2001 data are at 31 March.

2

PLANT AND EQUIPMENT, CARAVANS AND TRAILERS ON REGISTER—CENSUS YEARS(a)

<i>Census year</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
PLANT AND EQUIPMENT(b)									
1998	20 730	21 185	35 804	11 856	16 713	4 617	110	690	111 705
1999	18 678	24 195	36 554	12 170	16 731	4 710	127	496	113 661
2001	17 963	26 353	15 405	10 241	17 225	4 260	1 403	442	93 292
CARAVANS									
1998	58 866	92 447	41 392	29 509	37 752	5 151	663	1 350	267 130
1999	58 574	92 962	42 778	29 730	38 119	5 253	654	1 421	269 491
2001	59 671	92 098	43 989	30 909	38 862	5 426	630	1 521	273 106
TRAILERS									
1998	574 064	366 728	419 517	212 366	247 860	63 595	19 283	23 817	1 927 230
1999	573 614	379 322	437 016	213 187	255 073	65 332	20 007	24 771	1 968 322
2001	586 779	393 743	431 822	220 626	265 585	68 243	20 392	26 703	2 013 893

(a) The 1998 and 1999 data are at 31 October. The 2001 data are at 31 March.

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

3

MOTOR VEHICLES ON REGISTER PER 1,000 RESIDENT POPULATION—CENSUS YEARS(a)

Year(a)	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PASSENGER VEHICLES									
1998	467	552	486	561	548	503	351	543	508
1999	462	561	496	562	547	516	350	549	511
2001	461	557	489	568	546	518	345	560	509
CAMPERVANS									
1998	1	2	1	3	4	6	1	2	2
1999	1	2	1	3	4	6	1	2	2
2001	1	1	1	3	3	6	1	2	2
LIGHT COMMERCIAL VEHICLES									
1998	76	84	109	84	115	126	128	55	90
1999	75	85	113	84	114	130	127	54	91
2001	77	85	113	85	114	132	124	55	92
ALL TRUCK TYPES									
1998	20	23	24	23	30	26	22	9	23
1999	20	23	24	22	30	26	22	9	23
2001	19	22	23	22	29	25	21	9	22
BUSES									
1998	3	3	4	3	5	5	15	3	3
1999	3	3	4	3	5	5	15	3	3
2001	3	3	4	3	5	5	13	3	3
MOTOR CYCLES									
1998	14	18	20	19	23	17	20	19	18
1999	13	19	21	18	23	18	19	19	18
2001	14	20	21	19	23	18	18	21	18
TOTAL MOTOR VEHICLES									
1998	581	682	645	693	725	684	538	631	644
1999	574	693	659	692	723	701	535	635	647
2001	575	689	652	700	720	704	522	649	645

(a) The 1998 and 1999 data are at 31 October. The 2001 data are at 31 March. Resident population data are at 30 June for 1998 and 1999 and 31 March for 2001.

Source: Australian Demographic Statistics (Cat. no. 3101.0)

4

ESTIMATED AVERAGE AGE(a) OF THE VEHICLE FLEET(b), BY TYPE OF VEHICLE—CENSUS YEARS(c)

Type of vehicle	NSW years	Vic. years	Qld years	SA years	WA years	Tas. years	NT years	ACT years	Aust. years.
1998									
Passenger vehicles	9.4	10.9	10.3	11.9	10.5	11.9	9.0	10.1	10.4
Campervans	16.9	18.8	16.1	18.6	19.5	18.1	15.7	18.1	18.1
Light commercial vehicles	10.6	12.4	11.1	12.6	11.5	12.9	9.8	10.8	11.5
Rigid trucks with GVM 4.5 tonnes or less	11.1	14.2	11.9	14.7	13.5	16.6	6.7	11.8	12.5
Rigid trucks with GVM greater than 4.5 tonnes	13.9	16.7	14.1	17.3	16.5	16.4	12.1	10.7	15.3
Articulated trucks	11.6	11.8	11.2	10.9	12.8	10.7	11.5	8.6	11.6
Non-freight carrying trucks	13.6	14.8	12.0	13.6	16.8	16.0	11.6	15.3	14.3
Buses	8.9	10.2	9.5	10.9	7.6	13.2	6.4	8.0	9.3
Motor cycles	9.5	10.0	10.9	(d) 9.9	11.4	10.2	8.6	9.9	10.2
Total	9.7	11.3	10.6	12.1	10.9	12.3	9.2	10.2	10.7
1999									
Passenger vehicles	9.2	10.8	10.2	11.9	10.5	12.1	8.9	10.1	10.3
Campervans	17.1	19.2	16.3	18.8	20.2	18.9	18.9	18.4	18.4
Light commercial vehicles	10.4	12.4	11.0	12.6	11.7	13.1	9.8	10.9	11.4
Rigid trucks with GVM 4.5 tonnes or less	11.2	14.3	12.6	14.6	13.7	16.7	7.1	11.9	12.7
Rigid trucks with GVM greater than 4.5 tonnes	13.8	16.8	14.3	17.2	16.9	16.8	12.4	11.0	15.4
Articulated trucks	11.4	11.8	11.3	10.8	13.1	11.0	11.6	7.9	11.6
Non-freight carrying trucks	14.0	15.3	11.8	13.8	16.8	16.8	11.0	16.6	14.6
Buses	9.2	10.4	9.8	11.3	8.0	13.7	6.5	8.9	9.5
Motor cycles	9.2	9.9	10.6	(d) 9.7	11.6	10.3	8.4	9.4	10.1
Total	9.5	11.2	10.5	12.1	11.0	12.5	9.2	10.1	10.6
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
Rigid trucks with GVM 4.5 tonnes or less	11.2	14.6	12.2	14.5	14.1	17.0	7.6	12.0	12.7
Rigid trucks with GVM greater than 4.5 tonnes	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

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

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

(c) The 1998 and 1999 data are at 31 October. The 2001 data are at 31 March.

(d) Year of manufacture is frequently not reported for South Australian motor cycles.

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MOTOR VEHICLES ON REGISTER, BY TYPE OF VEHICLE AND FUEL TYPE—CENSUS YEARS(a)

Type of vehicle	Fuel type						Total
	Petrol			Diesel	LPG/Dual fuel	Other/not stated	
	Leaded	Unleaded	Total				
1998							
Passenger vehicles	3 269 145	5 863 974	9 133 119	213 460	179 293	861	9 526 733
Campervans	19 252	3 752	23 004	9 438	1 373	4	33 819
Light commercial vehicles	598 351	661 852	1 260 203	361 457	64 548	225	1 686 433
Rigid trucks with GVM 4.5 tonnes or less	18 637	3 804	22 441	47 453	1 735	18	71 647
Rigid trucks with GVM greater than 4.5 tonnes	49 515	3 769	53 284	219 877	2 375	30	275 566
Articulated trucks	1 618	763	2 381	59 859	22	12	62 274
Non-freight carrying trucks	5 398	2 932	8 330	8 441	674	13	17 458
Buses	4 692	9 872	14 564	48 458	1 050	10	64 082
Motor cycles	126 911	201 920	328 831	—	—	14	328 845
Total	4 093 519	6 752 638	10 846 157	968 443	251 070	1 187	12 066 857
1999							
Passenger vehicles	2 857 399	6 402 426	9 259 825	228 504	197 225	715	9 686 269
Campervans	18 120	3 918	22 038	10 124	1 457	3	33 622
Light commercial vehicles	539 801	720 073	1 259 874	389 277	71 872	177	1 721 200
Rigid trucks with GVM 4.5 tonnes or less	17 710	3 964	21 674	49 764	1 817	14	73 269
Rigid trucks with GVM greater than 4.5 tonnes	44 765	3 829	48 594	222 614	2 321	25	273 554
Articulated trucks	1 409	800	2 209	61 053	26	7	63 295
Non-freight carrying trucks	5 164	2 854	8 018	9 001	667	11	17 697
Buses	4 190	10 548	14 738	49 997	1 148	8	65 891
Motor cycles	112 814	220 968	333 782	—	—	—	333 782
Total	3 601 372	7 369 380	10 970 752	1 020 334	276 533	960	12 268 579
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
Rigid trucks with GVM 4.5 tonnes or less	14 240	3 718	17 958	51 457	1 726	7	71 148
Rigid trucks with GVM greater than 4.5 tonnes	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

(a) The 1998 and 1999 data are at 31 October. The 2001 data are at 31 March.

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MOTOR VEHICLES ON REGISTER, BY TYPE OF VEHICLE—YEAR OF MANUFACTURE

Year of manufacture	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PASSENGER VEHICLES									
To 1970	37 375	53 357	24 879	19 580	21 514	5 400	698	2 511	165 314
1971–75	45 543	65 667	35 221	27 185	23 602	8 387	1 014	4 199	210 818
1976–80	106 820	164 936	93 352	67 640	57 993	22 113	2 734	9 412	525 000
1981–85	362 055	427 328	280 311	161 339	161 905	47 708	9 051	25 334	1 475 031
1986–90	582 406	552 583	353 454	179 032	199 699	48 442	11 389	33 533	1 960 538
1991–95	764 213	576 090	422 872	182 155	252 443	50 822	16 453	43 470	2 308 518
1996	175 522	136 969	89 564	38 688	56 566	10 107	3 944	8 500	519 860
1997	210 624	154 503	105 834	43 366	63 342	12 109	4 915	10 477	605 170
1998	243 153	168 511	118 791	47 419	70 494	12 727	5 968	12 664	679 727
1999	223 079	166 936	112 451	40 900	61 456	11 094	5 628	11 969	633 513
2000	221 256	178 585	110 637	39 799	60 738	12 103	5 458	11 949	640 525
2001	31 169	36 424	17 011	5 913	9 096	2 375	598	1 534	104 120
Not stated	4 101	647	2 941	23	—	38	—	—	7 750
Total	3 007 316	2 682 536	1 767 318	853 039	1 038 848	243 425	67 850	175 552	9 835 884
CAMPERVANS									
To 1970	165	802	276	287	653	172	8	19	2 382
1971–75	974	1 266	714	829	1 360	484	20	104	5 751
1976–80	1 353	1 701	992	1 055	1 573	729	35	128	7 566
1981–85	1 777	1 485	1 257	1 071	1 411	697	31	125	7 854
1986–90	958	695	750	466	814	421	15	65	4 184
1991–95	731	362	535	261	431	220	13	41	2 594
1996	155	60	129	43	79	33	2	10	511
1997	145	65	333	53	39	34	2	5	676
1998	111	277	115	79	52	33	1	4	672
1999	149	277	111	101	44	12	—	3	697
2000	146	120	122	81	19	34	—	1	523
2001	4	83	7	23	1	—	—	—	118
Not stated	46	9	1	1	—	1	—	—	58
Total	6 714	7 202	5 342	4 350	6 476	2 870	127	505	33 586
LIGHT COMMERCIAL VEHICLES									
To 1970	6 312	10 886	6 751	3 041	4 385	1 762	183	283	33 603
1971–75	15 397	23 085	15 341	7 059	9 273	3 722	534	715	75 126
1976–80	34 023	43 373	35 000	14 130	22 694	7 524	1 550	1 345	159 639
1981–85	75 770	73 475	68 434	23 951	36 597	11 918	3 966	2 849	296 960
1986–90	91 093	74 580	67 643	23 590	37 283	11 918	3 839	2 861	312 807
1991–95	115 917	73 039	94 490	24 313	49 417	12 215	6 114	3 876	379 381
1996	26 288	18 620	20 607	5 932	11 512	2 563	1 576	775	87 873
1997	27 790	18 879	21 246	5 801	11 262	2 375	1 570	900	89 823
1998	33 311	21 533	25 089	6 798	11 620	2 642	1 863	1 023	103 879
1999	36 922	24 573	26 775	6 432	10 522	2 569	1 650	1 198	110 641
2000	33 259	23 756	23 606	6 019	10 368	2 605	1 490	1 248	102 351
2001	4 019	4 856	3 020	845	1 289	463	158	145	14 795
Not stated	1 565	152	958	17	—	13	—	—	2 705
Total	501 666	410 807	408 960	127 928	216 222	62 289	24 493	17 218	1 769 583

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MOTOR VEHICLES ON REGISTER, BY TYPE OF VEHICLE—YEAR OF MANUFACTURE — *continued*

<i>Year of manufacture</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
RIGID TRUCKS WITH GVM 4.5 TONNES OR LESS									
To 1970	386	777	343	169	308	137	1	6	2 127
1971–75	590	1 144	679	199	382	235	6	24	3 259
1976–80	2 221	2 291	1 610	579	1 004	442	9	69	8 225
1981–85	4 447	2 581	2 552	685	1 137	402	9	114	11 927
1986–90	6 861	3 035	3 135	858	1 539	364	72	123	15 987
1991–95	5 946	2 137	3 297	530	1 275	238	154	113	13 690
1996	919	408	470	88	231	37	18	18	2 189
1997	983	470	531	86	241	36	19	27	2 393
1998	1 421	725	705	143	274	62	42	38	3 410
1999	1 687	829	841	189	283	62	38	44	3 973
2000	1 542	467	862	164	191	51	26	22	3 325
2001	151	167	85	21	26	8	1	1	460
Not stated	130	17	35	—	—	1	—	—	183
Total	27 284	15 048	15 145	3 711	6 891	2 075	395	599	71 148
RIGID TRUCKS WITH GVM GREATER THAN 4.5 TONNES									
To 1970	3 222	8 104	2 830	2 344	3 979	515	30	9	21 033
1971–75	4 312	6 424	3 563	2 146	3 991	641	107	42	21 226
1976–80	9 414	9 823	6 756	3 320	6 479	1 433	286	118	37 629
1981–85	15 354	13 019	11 336	4 863	7 341	1 783	698	348	54 742
1986–90	15 994	12 905	9 796	4 032	6 407	1 440	648	406	51 628
1991–95	12 402	7 909	8 266	2 338	4 498	764	485	357	37 019
1996	2 364	1 448	1 463	373	997	126	83	70	6 924
1997	2 595	1 856	1 630	480	878	149	110	64	7 762
1998	3 404	2 019	2 136	500	1 069	167	131	72	9 498
1999	3 249	2 204	2 131	552	938	159	113	107	9 453
2000	2 966	2 050	1 772	463	848	143	113	141	8 496
2001	185	289	205	46	81	9	7	8	830
Not stated	535	63	421	2	—	2	—	—	1 023
Total	75 996	68 113	52 305	21 459	37 506	7 331	2 811	1 742	267 263
ARTICULATED TRUCKS									
To 1970	225	489	243	53	158	12	7	—	1 187
1971–75	585	1 088	554	230	428	47	25	2	2 959
1976–80	1 663	2 436	1 646	667	1 319	153	90	17	7 991
1981–85	1 895	2 307	1 760	882	1 380	204	110	18	8 556
1986–90	2 799	3 153	2 354	1 240	1 625	345	143	47	11 706
1991–95	3 368	3 443	2 446	1 289	1 166	290	114	51	12 167
1996	810	800	584	263	323	57	33	18	2 888
1997	834	928	766	307	317	81	35	25	3 293
1998	1 173	1 228	931	397	375	116	36	34	4 290
1999	880	1 154	827	386	325	82	43	31	3 728
2000	813	1 041	665	333	229	88	28	14	3 211
2001	150	187	131	28	27	14	1	1	539
Not stated	58	8	14	2	—	—	—	—	82
Total	15 253	18 262	12 921	6 077	7 672	1 489	665	258	62 597

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MOTOR VEHICLES ON REGISTER, BY TYPE OF VEHICLE—YEAR OF MANUFACTURE — *continued*

<i>Year of manufacture</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
NON-FREIGHT CARRYING TRUCKS									
To 1970	142	541	68	115	415	92	4	9	1 386
1971–75	220	364	132	118	257	98	11	4	1 204
1976–80	472	528	372	207	399	168	37	10	2 193
1981–85	684	986	539	268	402	143	47	15	3 084
1986–90	463	1 261	543	460	392	162	34	12	3 327
1991–95	576	755	678	344	419	138	45	9	2 964
1996	109	247	220	94	110	39	16	5	840
1997	84	168	230	121	141	22	21	5	792
1998	128	209	165	42	131	29	16	3	723
1999	188	200	263	50	113	20	6	1	841
2000	216	169	141	55	106	14	8	3	712
2001	23	53	10	2	5	—	1	—	94
Not stated	31	8	3	1	—	1	—	—	44
Total	3 336	5 489	3 364	1 877	2 890	926	246	76	18 204
BUSES									
To 1970	73	196	44	44	65	79	4	5	510
1971–75	148	278	185	92	156	149	12	6	1 026
1976–80	1 079	949	1 236	466	353	303	47	40	4 473
1981–85	1 724	2 444	2 003	727	678	343	181	80	8 180
1986–90	3 605	3 466	2 808	863	1 843	529	461	344	13 919
1991–95	5 376	3 817	4 198	935	3 741	527	896	281	19 771
1996	928	731	929	267	705	65	231	25	3 881
1997	897	824	847	200	548	61	244	60	3 681
1998	1 216	797	825	221	628	67	258	47	4 059
1999	1 007	880	750	155	622	51	187	64	3 716
2000	963	949	742	203	700	59	121	51	3 788
2001	86	150	107	13	57	7	1	5	426
Not stated	136	3	3	—	—	—	—	—	142
Total	17 238	15 484	14 677	4 186	10 096	2 240	2 643	1 008	67 572
TOTAL MOTOR VEHICLES (excl. motor cycles)									
To 1970	47 900	75 152	35 434	25 633	31 477	8 169	935	2 842	227 542
1971–75	67 769	99 316	56 389	37 858	39 449	13 763	1 729	5 096	321 369
1976–80	157 045	226 037	140 964	88 064	91 814	32 865	4 788	11 139	752 716
1981–85	463 706	523 625	368 192	193 786	210 851	63 198	14 093	28 883	1 866 334
1987–89	704 179	651 678	440 483	210 541	249 602	63 621	16 601	37 391	2 374 096
1991–95	908 529	667 552	536 782	212 165	313 390	65 214	24 274	48 198	2 776 104
1996	207 095	159 283	113 966	45 748	70 523	13 027	5 903	9 421	624 966
1997	243 952	177 693	131 417	50 414	76 768	14 867	6 916	11 563	713 590
1998	283 917	195 299	148 757	55 599	84 643	15 843	8 315	13 885	806 258
1999	267 161	197 053	144 149	48 765	74 303	14 049	7 665	13 417	766 562
2000	261 161	207 137	138 547	47 117	73 199	15 097	7 244	13 429	762 931
2001	35 787	42 209	20 576	6 891	10 582	2 876	767	1 694	121 382
Not stated	6 602	907	4 376	46	—	56	—	—	11 987
Total	3 654 803	3 222 941	2 280 032	1 022 627	1 326 601	322 645	99 230	196 958	12 125 837

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MOTOR VEHICLES ON REGISTER, BY TYPE OF VEHICLE—YEAR OF MANUFACTURE — *continued*

<i>Year of manufacture</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
MOTOR CYCLES									
To 1970	1 255	1 860	1 681	818	1 921	110	29	54	7 728
1971–75	2 139	2 311	2 634	573	1 630	241	45	169	9 742
1976–80	4 602	5 528	4 870	923	3 301	548	154	351	20 277
1981–85	12 854	14 765	12 256	1 767	7 869	1 650	402	1 097	52 660
1987–89	11 127	12 359	10 913	1 794	6 568	1 092	449	845	45 147
1991–95	19 323	17 824	16 195	4 951	9 223	1 712	820	1 285	71 333
1996	5 811	5 163	4 176	1 382	2 298	492	245	387	19 954
1997	7 019	6 400	4 304	1 475	2 628	549	256	520	23 151
1998	9 060	7 478	5 983	1 979	3 046	650	394	614	29 204
1999	9 204	8 487	6 083	2 047	3 317	634	429	524	30 725
2000	7 531	10 005	4 668	1 641	2 673	688	357	535	28 098
2001	646	2 159	489	171	266	62	14	52	3 859
Not stated	163	402	68	8 419	—	—	—	—	9 052
Total	90 734	94 741	74 320	27 940	44 740	8 428	3 594	6 433	350 930
TOTAL MOTOR VEHICLES									
To 1970	49 155	77 012	37 115	26 451	33 398	8 279	964	2 896	235 270
1971–75	69 908	101 627	59 023	38 431	41 079	14 004	1 774	5 265	331 111
1976–80	161 647	231 565	145 834	88 987	95 115	33 413	4 942	11 490	772 993
1981–85	476 560	538 390	380 448	195 553	218 720	64 848	14 495	29 980	1 918 994
1987–89	715 306	664 037	451 396	212 335	256 170	64 713	17 050	38 236	2 419 243
1991–95	927 852	685 376	552 977	217 116	322 613	66 926	25 094	49 483	2 847 437
1996	212 906	164 446	118 142	47 130	72 821	13 519	6 148	9 808	644 920
1997	250 971	184 093	135 721	51 889	79 396	15 416	7 172	12 083	736 741
1998	292 977	202 777	154 740	57 578	87 689	16 493	8 709	14 499	835 462
1999	276 365	205 540	150 232	50 812	77 620	14 683	8 094	13 941	797 287
2000	268 692	217 142	143 215	48 758	75 872	15 785	7 601	13 964	791 029
2001	36 433	44 368	21 065	7 062	10 848	2 938	781	1 746	125 241
Not stated	6 765	1 309	4 444	8 465	—	56	—	—	21 039
Total	3 745 537	3 317 682	2 354 352	1 050 567	1 371 341	331 073	102 824	203 391	12 476 767

7

PASSENGER VEHICLES ON REGISTER, BY MAKE OF VEHICLE—YEAR OF MANUFACTURE

<i>Make</i>	<i>1980 and earlier</i>	<i>1981-85</i>	<i>1986-90</i>	<i>1991-95</i>	<i>1996-98</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>Not stated</i>	<i>Total</i>
Audi	545	833	1 734	5 808	6 904	2 793	2 967	478	6	22 068
BMW	6 683	15 163	17 022	29 123	25 607	8 965	9 397	2 596	86	114 642
Chrysler	57 341	952	31	27	6 137	1 755	2 292	674	187	69 396
Daewoo	—	—	—	14 289	50 755	20 541	19 597	2 186	—	107 368
Daihatsu	908	12 081	25 197	65 611	19 736	5 631	4 957	547	74	134 742
Ford	151 351	343 748	497 577	491 116	329 002	100 979	85 943	10 783	1 241	2 011 740
Holden	244 607	278 455	368 495	423 024	321 337	119 347	125 672	22 338	2 009	1 905 284
Honda	15 015	32 817	54 843	66 989	58 805	28 628	28 105	5 230	134	290 566
Hyundai	—	—	22 305	98 360	158 266	46 427	42 996	7 330	16	375 700
Jaguar	10 724	4 049	4 093	1 311	1 565	1 035	914	90	56	23 837
Jeep	426	1 027	48	6 274	16 940	3 707	3 436	640	1	32 499
Kia	—	—	—	—	11 807	5 512	9 616	2 129	—	29 064
Land Rover	1 650	999	435	12 446	14 717	5 890	4 272	1 080	12	41 501
Mazda	42 300	99 747	64 423	104 665	62 725	19 255	20 612	4 327	224	418 278
Mercedes-Benz	30 658	19 415	16 485	14 775	18 143	8 730	9 980	2 195	187	120 568
Mitsubishi	8 840	150 234	221 136	273 498	192 517	53 291	60 140	9 261	326	969 243
Nissan (incl. Datsun)	66 283	140 734	208 231	129 191	80 626	38 516	37 903	7 147	638	709 269
Peugot	6 116	6 319	2 990	8 340	7 355	2 436	2 624	522	46	36 748
Saab	751	2 771	7 589	11 741	8 915	2 662	2 417	481	20	37 347
Subaru	2 501	30 434	23 147	47 784	42 913	24 492	26 306	5 407	108	203 092
Suzuki	342	10 103	17 665	45 855	25 521	6 852	5 674	1 128	30	113 170
Toyota	105 332	277 900	367 605	419 088	297 412	107 970	115 333	13 695	1 040	1 705 375
Volkswagen	35 297	1 116	1 228	3 882	12 809	5 473	7 159	1 457	235	68 656
Volvo	19 492	22 409	15 741	12 445	10 550	3 289	3 067	834	78	87 905
Other/not stated	93 970	23 725	22 518	22 876	23 693	9 337	9 146	1 565	996	207 826
Total	901 132	1 475 031	1 960 538	2 308 518	1 804 757	633 513	640 525	104 120	7 750	9 835 884

8

CAMPERVANS ON REGISTER, BY MAKE OF VEHICLE—YEAR OF MANUFACTURE

<i>Make</i>	<i>1980 and earlier</i>	<i>1981-85</i>	<i>1986-90</i>	<i>1991-95</i>	<i>1996-98</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>Not stated</i>	<i>Total</i>
Bedford	2 132	30	—	—	—	—	—	—	8	2 170
Ford	887	248	255	400	489	51	37	22	5	2 394
Mazda	337	901	803	543	336	110	160	22	1	3 213
Mitsubishi	26	329	250	175	101	3	12	—	3	899
Nissan (incl. Datsun)	925	1 639	641	102	—	—	—	—	4	3 311
Toyota	3 804	4 068	1 787	971	479	222	163	18	18	11 530
Volkswagen	5 124	242	220	96	62	11	10	—	16	5 781
Other/not stated	2 464	397	228	307	392	300	141	56	3	4 288
Total	15 699	7 854	4 184	2 594	1 859	697	523	118	58	33 586

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LIGHT COMMERCIAL VEHICLES ON REGISTER, BY MAKE OF VEHICLE—YEAR OF MANUFACTURE

<i>Make</i>	<i>1980 and earlier</i>	<i>1981–85</i>	<i>1986–90</i>	<i>1991–95</i>	<i>1996–98</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>Not stated</i>	<i>Total</i>
Chrysler	4 503	5	4	—	—	—	—	—	13	4 525
Daihatsu	3 221	6 835	4 769	1 078	133	179	173	3	45	16 436
Ford	45 439	45 705	72 471	63 541	54 272	21 289	23 958	3 397	365	330 437
Holden	98 716	41 522	23 394	64 665	63 912	26 523	21 302	3 969	579	344 582
Land Rover	11 220	861	181	1 564	1 490	287	215	19	126	15 963
Mazda	5 873	16 951	13 947	22 895	15 822	6 335	5 534	1 057	86	88 500
Mercedes-Benz	—	3	—	—	730	1 264	2 304	346	—	4 647
Mitsubishi	1 081	24 273	31 577	47 419	27 139	8 745	6 933	1 427	95	148 689
Nissan (incl. Datsun)	19 232	42 010	46 902	29 129	18 608	8 514	6 972	1 051	215	172 633
Subaru	271	3 506	10 151	5 935	12	—	—	—	42	19 917
Suzuki	3 327	14 163	6 244	2 087	1 106	465	409	59	58	27 918
Toyota	49 828	95 105	100 635	135 133	90 116	35 155	32 574	3 246	747	542 539
Volkswagen	7 316	632	1 352	3 373	5 473	799	863	95	28	19 931
Other/not stated	18 341	5 389	1 180	2 562	2 762	1 086	1 114	126	306	32 866
Total	268 368	296 960	312 807	379 381	281 575	110 641	102 351	14 795	2 705	1 769 583

10

RIGID TRUCKS ON REGISTER WITH GVM 4.5 TONNES OR LESS, BY MAKE OF VEHICLE—YEAR OF MANUFACTURE

<i>Make</i>	<i>1980 and earlier</i>	<i>1981–85</i>	<i>1986–90</i>	<i>1991–95</i>	<i>1996–98</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>Not stated</i>	<i>Total</i>
Chevrolet	1 317	92	62	106	83	8	5	—	12	1 685
Daihatsu	1 668	2 843	2 406	1 349	434	245	286	14	27	9 272
Ford	2 802	2 443	2 408	1 991	809	59	41	10	30	10 593
Isuzu	47	682	2 798	3 333	2 790	1 668	1 342	153	15	12 828
Mazda	510	907	1 517	1 336	523	181	170	18	3	5 165
Mercedes-Benz	8	2	1	3	422	597	527	136	—	1 696
Mitsubishi	42	557	2 504	2 816	1 730	723	531	37	9	8 949
Nissan (incl. Datsun)	671	372	308	90	—	—	—	—	—	1 441
Toyota	4 376	3 965	3 970	2 581	743	375	379	33	52	16 474
Other/not stated	2 170	64	13	85	458	117	44	59	35	3 045
Total	13 611	11 927	15 987	13 690	7 992	3 973	3 325	460	183	71 148

11

RIGID TRUCKS ON REGISTER WITH GVM GREATER THAN 4.5 TONNES, BY MAKE OF VEHICLE— YEAR OF MANUFACTURE

<i>Make</i>	<i>1980 and earlier</i>	<i>1981–85</i>	<i>1986–90</i>	<i>1991–95</i>	<i>1996–98</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>Not stated</i>	<i>Total</i>
Bedford	10 724	68	7	—	—	—	—	—	140	10 939
Dodge	8 400	6	1	3	15	1	1	1	53	8 481
Ford	10 245	6 901	5 394	2 532	1 154	46	10	5	144	26 431
Hino	1 916	6 254	6 273	4 699	3 188	1 745	1 723	192	49	26 039
International	24 601	6 648	4 414	3 218	2 056	540	404	51	274	42 206
Isuzu	3 127	11 831	11 672	10 299	7 422	3 342	2 851	252	88	50 884
Mazda	990	2 537	3 178	1 954	767	227	132	23	16	9 824
Mercedes-Benz	1 375	1 097	1 142	764	80	20	23	1	14	4 516
Mitsubishi	1 084	8 045	9 109	6 688	4 164	1 516	1 482	124	50	32 262
Nissan UD (diesel)	913	2 125	2 307	1 832	1 828	678	516	68	25	10 292
Toyota	3 180	2 807	2 795	1 660	480	150	94	16	49	11 231
Volvo	1 948	1 743	1 844	1 302	877	229	301	30	9	8 283
Other/not stated	11 385	4 680	3 492	2 068	2 153	959	959	67	112	25 875
Total	79 888	54 742	51 628	37 019	24 184	9 453	8 496	830	1 023	267 263

12

RIGID TRUCKS ON REGISTER, BY MAKE OF VEHICLE—GROSS VEHICLE MASS

<i>Make</i>	<i>GVM (tonnes)</i>								<i>Total</i>
	<i>Over 3.5–4.5</i>	<i>Over 4.5–6</i>	<i>Over 6–8</i>	<i>Over 8–10</i>	<i>Over 10–12</i>	<i>Over 12–16</i>	<i>Over 16–20</i>	<i>Greater than 20</i>	
Bedford	454	1 374	2 166	3 054	2 366	1 693	137	149	11 393
Daihatsu	9 272	3 430	92	—	—	—	—	—	12 794
Dodge	831	1 428	1 834	1 212	2 542	1 126	254	85	9 312
Ford	10 593	5 262	6 397	1 929	2 763	3 921	224	5 935	37 024
Hino	54	36	1 374	7 268	5 024	9 659	516	2 162	26 093
International	1 179	1 177	2 992	4 304	5 441	12 874	2 139	13 279	43 385
Isuzu	12 828	5 877	10 247	15 586	5 239	10 917	124	2 894	63 712
Mazda	5 165	3 824	6 000	—	—	—	—	—	14 989
Mercedes-Benz	1 696	19	86	173	197	1 342	155	2 544	6 212
Mitsubishi	8 949	7 215	3 185	6 621	3 061	9 217	43	2 920	41 211
Nissan (incl. Datsun)	1 441	856	119	—	—	—	—	—	2 416
Nissan UD (diesel)	—	—	—	3 253	979	3 159	97	2 804	10 292
Toyota	16 474	6 906	2 766	135	1 064	360	—	—	27 705
Volvo	—	—	—	—	—	767	333	7 183	8 283
Other/not stated	2 212	1 109	1 083	1 724	1 780	2 864	747	12 071	23 590
Total	71 148	38 513	38 341	45 259	30 456	57 899	4 769	52 026	338 411

13

ARTICULATED TRUCKS ON REGISTER, BY MAKE OF VEHICLE—YEAR OF MANUFACTURE

<i>Make</i>	<i>1980 and earlier</i>	<i>1981-85</i>	<i>1986-90</i>	<i>1991-95</i>	<i>1996-98</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>Not stated</i>	<i>Total</i>
Atkinson	422	192	66	—	—	—	—	—	—	680
Ford	888	913	1 494	1 333	946	29	1	1	7	5 612
Freightliner	—	—	132	849	1 187	305	482	72	—	3 027
International	2 307	1 343	1 621	1 739	1 608	439	297	25	21	9 400
Kenworth	2 197	1 672	2 293	2 462	2 419	941	741	81	14	12 820
Mack	1 329	914	1 682	1 664	1 452	546	509	91	8	8 195
Mercedes-Benz	1 480	715	628	523	125	58	54	18	11	3 612
Mitsubishi	9	171	299	117	64	50	51	1	—	762
Nissan UD (diesel)	325	361	345	196	137	49	21	4	—	1 438
Scania	335	718	1 018	779	670	227	150	20	4	3 921
Volvo	1 060	920	1 435	1 450	889	437	444	137	11	6 783
Western Star	2	104	426	884	789	305	151	28	—	2 689
White	784	210	—	—	—	—	—	—	2	996
Other/not stated	999	323	267	171	185	342	310	61	4	2 662
Total	12 137	8 556	11 706	12 167	10 471	3 728	3 211	539	82	62 597

14

ARTICULATED TRUCKS ON REGISTER, BY MAKE OF VEHICLE—GROSS COMBINATION MASS

<i>Make</i>	<i>GCM (tonnes)</i>								<i>Total</i>
	<i>Over 3-20</i>	<i>Over 20-30</i>	<i>Over 30-40</i>	<i>Over 40-50</i>	<i>Over 50-60</i>	<i>Over 60-80</i>	<i>Over 80-100</i>	<i>Greater than 100</i>	
Atkinson	—	23	227	356	48	14	12	—	680
Ford	88	327	493	3 710	174	409	379	32	5 612
Freightliner	—	—	41	1 749	68	689	422	58	3 027
International	158	830	2 033	4 615	212	866	550	136	9 400
Kenworth	52	213	632	6 628	607	2 196	1 900	592	12 820
Mack	29	192	439	4 426	589	1 449	503	568	8 195
Mercedes-Benz	35	349	1 526	1 366	106	196	8	26	3 612
Mitsubishi	61	100	368	233	—	—	—	—	762
Nissan UD (diesel)	52	125	600	533	99	25	4	—	1 438
Scania	44	129	811	1 670	100	506	564	97	3 921
Volvo	39	162	1 089	2 576	196	2 333	232	156	6 783
Western Star	—	—	—	1 213	151	457	590	278	2 689
White	3	11	177	446	103	189	50	17	996
Other/not stated	258	491	694	810	51	136	192	30	2 662
Total	819	2 952	9 130	30 331	2 504	9 465	5 406	1 990	62 597

15

NON-FREIGHT CARRYING TRUCKS ON REGISTER, BY MAKE OF VEHICLE—YEAR OF MANUFACTURE

	1980 and earlier	1981-85	1986-90	1991-95	1996-98	1999	2000	2001	Not stated	Total
Bedford	452	10	—	—	—	—	—	—	3	465
Ford	1 173	992	770	685	522	123	50	5	11	4 331
Hino	19	224	634	403	307	77	78	14	4	1 760
Holden	117	36	11	72	122	38	15	2	2	415
International	1 442	669	201	85	80	15	7	—	3	2 502
Isuzu	66	335	731	609	405	261	180	25	5	2 617
Mazda	18	91	154	123	17	4	10	—	2	419
Mercedes-Benz	66	107	74	25	8	15	145	23	3	466
Mitsubishi	10	108	221	189	159	48	42	1	—	778
Toyota	195	195	237	421	299	89	71	5	4	1 516
Other/not stated	1 225	317	294	352	436	171	114	19	7	2 935
Total	4 783	3 084	3 327	2 964	2 355	841	712	94	44	18 204

16

BUSES ON REGISTER, BY MAKE OF VEHICLE—YEAR OF MANUFACTURE

	1980 and earlier	1981-85	1986-90	1991-95	1996-98	1999	2000	2001	Not stated	Total
Bedford	1 333	99	—	—	—	—	—	—	4	1 436
Hino	314	686	733	885	358	106	78	21	27	3 208
Leyland	612	335	183	4	17	—	—	—	17	1 168
MAN	246	457	390	404	364	38	143	21	2	2 065
Mazda	99	600	682	505	59	—	—	—	4	1 949
Mercedes-Benz	900	1 061	1 287	1 354	926	455	379	47	25	6 434
Nissan (incl. Datsun)	118	506	847	773	295	61	121	12	—	2 733
Scania	—	63	343	477	411	120	105	31	5	1 555
Toyota	789	2 724	7 084	14 006	8 352	2 476	2 425	207	29	38 092
Volvo	638	510	664	525	342	125	125	11	7	2 947
Other/not stated	960	1 139	1 706	838	497	335	412	76	22	5 985
Total	6 009	8 180	13 919	19 771	11 621	3 716	3 788	426	142	67 572

17

BUSES ON REGISTER, BY MAKE OF VEHICLE—SIZE OF BUS(a)

<i>Make</i>	<i>Small</i>	<i>Medium</i>	<i>Large</i>	<i>Total</i>
Bedford	12	1 195	229	1 436
Hino	—	1 290	1 918	3 208
Leyland	—	205	963	1 168
MAN	—	338	1 727	2 065
Mazda	1 890	59	—	1 949
Mercedes-Benz	75	748	5 611	6 434
Nissan (incl. Datsun)	2 225	508	—	2 733
Scania	—	—	1 555	1 555
Toyota	36 488	1 604	—	38 092
Volvo	—	119	2 828	2 947
Other/not stated	839	1 156	3 990	5 985
Total	41 529	7 222	18 821	67 572

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

18

MOTOR CYCLES ON REGISTER, BY MAKE OF VEHICLE—YEAR OF MANUFACTURE

<i>Make</i>	<i>1980 and earlier</i>	<i>1981–85</i>	<i>1986–90</i>	<i>1991–95</i>	<i>1996–98</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>Not stated</i>	<i>Total</i>
BMW	1 926	3 327	2 391	2 941	2 051	730	928	171	359	14 824
Ducati	1 436	1 219	433	1 596	2 305	455	1 061	101	171	8 777
Harley Davidson	4 837	2 696	4 845	11 231	8 018	2 644	2 403	338	512	37 524
Honda	8 533	16 344	11 782	18 035	21 481	9 849	8 401	758	2 677	97 860
Kawasaki	3 166	6 430	8 239	11 384	8 794	3 353	2 719	324	1 139	45 548
Suzuki	3 795	10 040	6 833	7 897	9 264	2 980	2 891	444	1 392	45 536
Triumph	3 244	243	54	1 199	1 394	705	759	274	124	7 996
Yamaha	5 220	11 194	9 612	15 165	14 742	7 397	5 411	826	2 358	71 925
Other/not stated	5 590	1 167	958	1 885	4 260	2 612	3 525	623	320	20 940
Total	37 747	52 660	45 147	71 333	72 309	30 725	28 098	3 859	9 052	350 930

19

CARAVANS ON REGISTER, BY YEAR OF MANUFACTURE

	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
To 1970	1 156	676	1 840	1 382	2 690	191	21	31	7 987
1971-75	4 788	1 399	4 611	3 929	4 934	619	60	87	20 427
1976-80	12 870	3 721	9 473	7 959	9 322	1 571	142	299	45 357
1981-85	12 093	2 833	7 243	4 831	5 947	886	120	302	34 255
1986-90	8 262	4 479	5 972	3 906	5 849	456	98	251	29 273
1991-95	6 753	7 022	5 018	3 080	4 299	331	67	192	26 762
1996	1 509	1 713	1 085	701	900	94	20	52	6 074
1997	1 737	1 958	1 296	708	997	82	22	61	6 861
1998	2 140	2 586	1 630	1 046	1 120	114	21	68	8 725
1999	2 559	2 780	1 930	1 106	1 313	147	28	76	9 939
2000	2 653	3 209	2 527	1 203	1 286	118	26	88	11 110
2001	253	594	302	181	205	19	—	13	1 567
Not stated	2 898	59 128	1 062	877	—	798	5	1	64 769
Total	59 671	92 098	43 989	30 909	38 862	5 426	630	1 521	273 106

EXPLANATORY NOTES

MOTOR VEHICLE CENSUS

1 This publication contains statistics relating to vehicles which were registered with a motor vehicle registration authority at 31 March 2001. Similar statistics have been published periodically since the first Motor Vehicle Census (MVC) in 1971. Care should be taken in making annual comparisons because the MVC can be conducted at varying times of a year. For this reason, all percentage movements in this publication have been converted to an annual basis (see Glossary for further details).

2 Motor Vehicle Censuses have been conducted on the following dates:

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

Scope **3** Vehicles on register are defined as those vehicles for which registration was effective for a period including the date of the census, or had registration expire less than one month before.

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 steps have been taken in recent years, both by motor registries and the ABS, to improve data quality through the introduction of improved processing and classification systems, and the incorporation of additional edits based on make and model. While these have improved data accuracy, care needs to be taken when comparing data from different State and Territory registry systems.

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 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 number of vehicles which have been deregistered, and the attrition rate per state, have been detailed in the following table. Note that these counts exclude motor cycles.

ESTIMATED ATTRITION BY STATE/TERRITORY (a), By Census Years

	1998		1999		2001	
	no.	%	no.	%	no.	%
NSW	123 596	3.3	268 490	7.0	318 006	5.7
Vic.	140 564	4.3	120 926	3.7	250 975	5.2
Qld	57 168	2.6	52 386	2.3	166 052	4.8
SA	12 929	1.3	45 093	4.3	51 743	3.4
WA	26 731	2.0	58 653	4.3	77 330	3.9
Tas.	18 789	5.6	8 258	2.5	19 860	4.1
NT	5 553	5.0	7 127	6.7	10 721	7.0
ACT	19 100	9.2	11 597	5.7	13 412	4.5
Aust.	404 430	3.3	572 530	4.6	908 106	5.0

(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 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);
- certain vehicles which use public roads but are exempt from normal registration requirements (e.g. fire engines and/or ambulances in certain States and Territories (the extent to which these vehicles are excluded varies between the States and Territories));
- diplomatic vehicles; and
- vehicles registered by the defence forces.

RELATED PUBLICATIONS

9 Data on new motor vehicle registrations are available in the monthly publication *New Motor Vehicle Registrations* (Cat. no. 9301.0). For more details on the future role of the ABS in the release of new vehicle statistics, refer to *Information Paper: Developments in New Motor Vehicle Statistics* (Cat. no. 9313.0).

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 10.0% results in a figure increasing by 21.0% 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 a trailer.

Attrition rate The estimated proportion of motor vehicles that have been 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 registrations 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 new registrations between the two MVCs. To calculate the annualised attrition rate as a percentage apply the following formula:

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

where T1 is the number of registrations at the first time point, N1 is the number of new registrations 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. Note that this formula does not allow for import or export of second hand vehicles.

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 run on different days of the year.

For vehicles manufactured in 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 that contain an area primarily used for accommodation. Included are campervans, motor homes, powered caravans and mobile homes.
Caravans	Non-powered vehicles that are towed behind another vehicle and which are primarily used for accommodation. Includes rigid and pop-up caravans, but excludes campervans, motor homes or tent trailers.
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. The census count is adjusted for under enumeration and for Australian residents temporarily overseas on census night to obtain ERP figures.
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.
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).
Make	The manufacturer of the motor vehicle (e.g. Ford, Holden, Mitsubishi).
Model	The variant of the make of a motor vehicle (e.g. Falcon, Commodore, Magna).
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 persons and containing up to nine seats (including the driver's seat). Included are cars, station wagons, four-wheel drive passenger vehicles and forward-control passenger vehicles. Excluded are campervans and mobile homes.

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 exceeding 3.5 tonnes GVM, 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"> ■ Rigid trucks with GVM 4.5 tonnes or less; and ■ Rigid trucks with 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 with 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 less, 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. Large buses have greater than 7 tonnes tare weight.
State/Territory	The State or Territory motor registry at which a vehicle is registered, except for vehicles registered by DAS Fleet which are recorded in the State or Territory of the agency that operates the vehicle.
Tare weight	The unladen weight of a vehicle.
Trailers	Equipment that does not have an engine and is towed behind a vehicle. Included are box trailers, semi-trailers, boat trailers, horse floats, trailed machinery and similar vehicles.

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