



MOTOR VEHICLE CENSUS

AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) FRI 30 OCT 1998

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- For more information about these and related unpublished statistics, contact Geoff Pegg on Brisbane 07 3222 6119, facsimile 07 3222 6334 or Email geoff.pegg@abs.gov.au, or refer to the back cover of this publication.

NOTES

ABOUT THIS PUBLICATION

Because censuses have not been conducted at regular intervals, for ease of comparison, percentage movements in the Summary of Findings have been converted to an annualised basis (see Glossary for further details).

Some revisions have been made to data for Victoria and South Australia in 1996. For more details see paragraph 6 of the Explanatory Notes.

The vehicle classifications in this publication have changed slightly from those previously used. Data on campervans are now separately published. They were previously included in the 'non-freight carrying trucks' category. This class now consists of ambulances, hearses, fire engines, tow trucks, trucks with machinery mounted and other trucks not elsewhere classified. Rigid trucks have now been split into two categories: 'rigid trucks with Gross Vehicle Mass (GVM) 3.5 and less than 4.5 tonne' and 'rigid trucks with GVM 4.5 tonne and over'. For more details, see Explanatory Notes paragraph 7 and the Glossary.

SYMBOLS AND OTHER USAGES

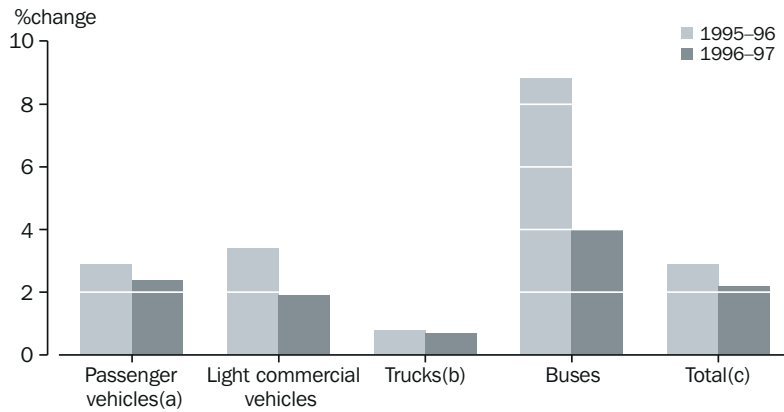
r revised from previously published data
— break in continuity of series
p.a. per annum

W. McLennan
Australian Statistician

SUMMARY OF FINDINGS

TOTAL NUMBER OF VEHICLES ON REGISTER	<p>The number of motor vehicles (excluding motor cycles, plant and equipment, caravans and trailers) on register in Australia at 31 October 1997 was 11,351,292. This represents a net increase of 2.3% since the previous census was taken at 31 October 1996. The annual growth rate recorded between 31 May 1995 and 31 October 1996 was 2.9%.</p>
Total registrations by State/Territory	<p>The number of registrations increased in all States and Territories except Tasmania which recorded a decrease of 0.2%. Percentage increases were highest in the Australian Capital Territory (4.2%) and Western Australia (3.6%). South Australia reported an increase of only 0.7%.</p>
New registrations and the attrition rate	<p>The attrition rate of the total vehicle fleet between 31 October 1996 and 31 October 1997 was 3.9%. The attrition rate between 31 May 1995 and 31 October 1996 was 2.9% per year. The increase in the attrition rate has been caused by a much higher rate of registration lapses. Between 1995 and 1996 an average of 27,423 vehicles per month had registration lapse. Between 1996 and 1997 the average number of registration lapses had increased to 36,872 per month.</p> <p>There has also been an increase in the rate of new vehicles being registered between 1996 and 1997 compared to between 1995 and 1996. Between 1995 and 1996, an average of 53,679 new vehicles per month were registered. Between 1996 and 1997, the average monthly new registrations had increased to 58,042. (See <i>New Motor Vehicle Registrations, Australia</i> (Cat. no. 9301.0) for monthly details of new registrations.)</p>
TYPE OF VEHICLE	<p>The number of vehicles in each classification increased between 1996 and 1997 with the exception of rigid trucks with GVM over 3.5 and less than 4.5 tonne which decreased by 0.9%. The number of passenger vehicles increased in each State/Territory except Tasmania, and rose overall by 2.4%.</p> <p>The vehicle type with largest increases were non-freight carrying trucks (4.5%). However, part of this increase was a result of a re-classification of some vehicles previously in the plant and equipment category. The number of buses increased by 4.0%</p>

ANNUAL PERCENTAGE INCREASE BY TYPE OF VEHICLE, 1995-97



(a) Includes campervans.

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

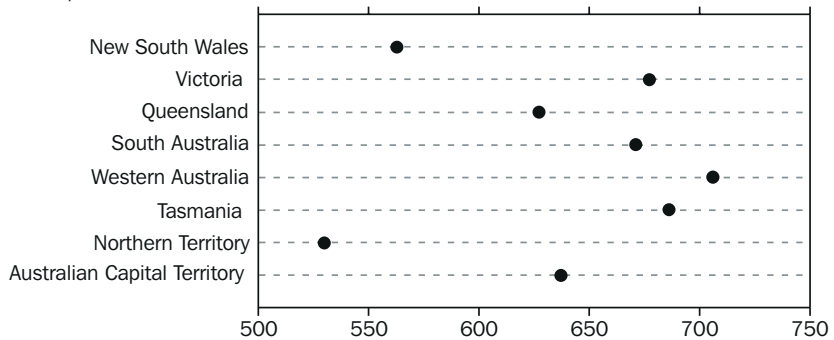
(c) Excludes motor cycles, plant and equipment, caravans and trailers.

The number of motor cycles on register increased in all States and Territories except the Northern Territory. Plant and equipment recorded a very small decrease from 1996 to 1997, with the main factor being a large drop in New South Wales. The decline in the New South Wales figure was partly due to a change in the classification of about 1,000 vehicles into the 'non-freight carrying truck' category.

VEHICLES AND POPULATION

At 31 October 1997, there were 630 vehicles per 1,000 population, up from 614 at 31 October 1996, an increase of 2.6% per year. The rate of increase between the 1995 and 1996 censuses was 0.9% per year. Western Australia had the highest rate of vehicle ownership (706 vehicles per 1,000 population), and the Northern Territory the lowest (530 per 1,000 population). All States and Territories recorded increased rates of ownership except Tasmania which has a similar rate of ownership to 1996.

NUMBER OF MOTOR VEHICLES ON REGISTER PER 1,000 POPULATION, STATE/TERRITORY



Source: Population data: Estimated Resident Population (Cat. no. 3201.0).

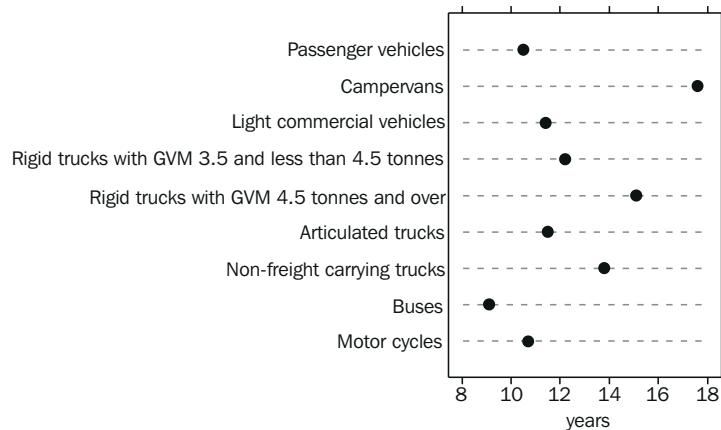
TYPE OF FUEL

The number of vehicles using diesel (up 6.1% per year from 1995) and LPG/Dual fuel (up 20.1% per year from 1995) continues to rise more quickly than the overall fleet. However, petrol powered vehicles still represent over 90% of the vehicle fleet. Leaded petrol vehicles are still a significant proportion of the total fleet (38.6%). Unleaded petrol vehicles now constitute 57.3% of all petrol vehicles compared with 46.5% in 1995.

AVERAGE AGE OF VEHICLES

Despite Australia having one of the oldest car fleets of the developed world, the average age of the fleet continues to increase, although at a very slow rate. Between 1995 and 1997, the average age of the fleet increased from 10.5 years to 10.7 years. The average age of all types of vehicles increased, the largest increases being in the truck fleet. The oldest type of vehicles were campervans. These are often converted from buses and trucks, after a number of years' operation. Tasmania and South Australia had the oldest fleets while the Northern Territory and New South Wales fleets were the newest.

ESTIMATED AVERAGE AGE OF VEHICLE FLEET AND VEHICLE TYPE

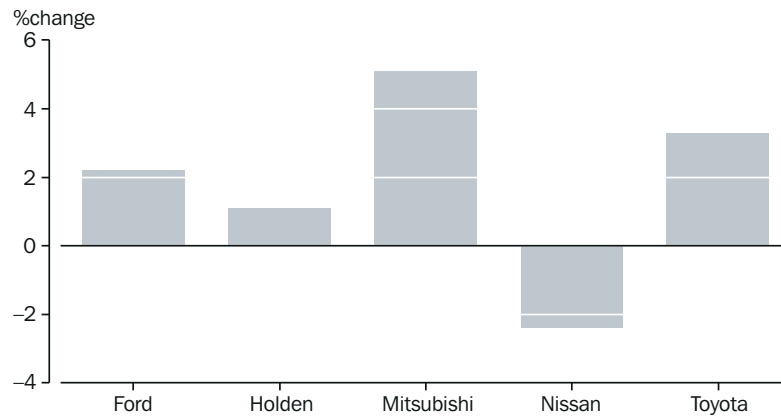


MAKE OF VEHICLE

Passenger vehicles

For most of the top manufacturers, the number of passenger vehicles on register increased between 1995 and 1997. In particular, Korean makes increased quite significantly. The number of Daewoos increased by 98.2% per year although from a very small base, while Hyundai increased by 37.2% per year. Many Australian-based and Japanese manufacturers also showed annual increases in the number of registered passenger vehicles. Suzuki (11.0%) increased significantly while Subaru (5.2%), Mitsubishi (5.1%), Honda (5.1%), Daihatsu (5.0%) and Toyota (3.3%) also recorded significant increases. Ford (2.2%), Holden (1.2%) and Mazda (0.7%) also had increases, while Nissan recorded a fall in registrations of 2.4%.

ANNUAL PERCENTAGE CHANGE IN TOP 5 MAKES, 1995–97



Campervans

The majority of campervans are either Toyotas (10,862 or 32.6% of all campervans) or Volkswagens (7,152 or 21.5%). The number of Toyota campervans is still increasing (up 2.5% per year from 1995). However, the number of Volkswagens has fallen (down 4.4% per year from 1995) as the vast majority were manufactured in 1978 or earlier. In recent years, Ford and Mazda have been producing the most campervans, while Toyota is also still producing significant numbers. Many campervans are converted from trucks and buses, and this explains why the number of Bedford campervans has increased (up 3.6% per year) despite Bedford no longer producing any vehicles.

Light commercial vehicles

The top five passenger vehicle manufacturers were also the top five in terms of light commercial vehicle registrations. In the light commercial market, Toyota is the dominant make, with over 50% more registrations than their nearest competitor (now Holden which has overtaken Ford since 1995). The top five makes all recorded increased numbers of registrations between 1995 and 1997 with Toyota increasing 4.8%, Holden 3.4%, Ford 2.7%, Mitsubishi 5.7% and Nissan 1.3% per year. Overall, these makes increased their share of light commercial registrations from 83.1% to 84.8%.

Of the other makes with significant numbers, the only ones to increase their number of registrations were Mazda (up 3.0% per year) and Volkswagen (5.1%).

Rigid trucks with GVM 3.5 and less than 4.5 tonne

Toyota has the most registrations of rigid trucks with GVM 3.5 and less than 4.5 tonne. There has been a small decline in the number of Toyotas on register since 1995 (down 2.1% per year). There was also a decline in registrations of the manufacturer with the second highest number of registrations, Daihatsu (down 3.3% per year). Nissan (9.1%) and Ford (1.2%) also decreased in registrations while Mitsubishi (13.0%), Isuzu (8.7%) and Mazda (2.6%) increased their registrations.

Rigid trucks with GVM 4.5 tonne and over	The manufacturer with the most rigid trucks with GVM 4.5 tonne and over was International with 17.3% of the fleet. Isuzu had the second highest number of registrations (15.9%) and increased their registrations since 1995 by 4.4% per year. Other significant makes to record increases were Nissan UD (42.4%), Volvo (10.3%), Mitsubishi (6.6%), Hino (4.1%), and Mercedes-Benz (2.8%). A large proportion of the increase in the number of Nissan UD registrations was due to a number of vehicles previously recorded as Nissans being corrected to Nissan UD's.
Articulated trucks	Kenworth had the highest number of articulated truck registrations with 10,962 vehicles or 18.5% of the total. International had the next highest number of registrations (9,580 vehicles or 16.2% of the fleet). Freightliners (26.2%) had the highest per year increase since 1995 with Western Star (12.2%), Kenworth (3.5%), Ford (3.4%), International (2.2%) and Mitsubishi (1.0%) also showing increases in registrations.
Non-freight carrying trucks	Non-freight carrying trucks comprise a variety of vehicle types such as ambulances, fire trucks and trucks with mounted machinery. Some are custom-made, while many are converted from light commercial vehicles, rigid trucks or buses. Campervans were previously included in this category and are now published separately. Some of the growth in this category has been due to re-classification of vehicles previously included as 'plant and equipment', especially in New South Wales. Ford had the highest number of registrations despite showing a decrease of 0.6% between 1995 and 1997. International had the second highest number of registrations and recorded a rate of increase of 4.6%.
Buses	The number of bus registrations again increased more than the overall vehicle fleet between 1995 and 1997 (up 6.8%). Most of this growth was in small buses, but there has been growth in medium and large buses as well. See the glossary for a definition of 'size of bus'. More than half of all buses are Toyotas, and most of these are in the 'small' category. The number of Toyota buses increased at a faster rate than the overall bus fleet (up 13.0% per year). Other significant makes to record large increases were Scania (14.6%), Man (9.1%) and Mercedes-Benz (6.9%).
Motor cycles	The number of motor cycles increased by 2.3% per year from 1995 to 1997, except Suzuki which fell by 1.3%. All major makes had increased registrations, the largest being Triumph (9.9%), Ducati (9.8%) and Harley Davidson (9.6%).

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1

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

Year(a)	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PASSENGER VEHICLES									
1995	2 684 847	2 315 310	1 513 291	777 249	885 527	237 129	58 880	156 573	8 628 806
1996	2 775 659	r(c)2 462 226	(d)1 567 301	r 796 109	922 598	240 993	62 452	161 798	r 8 989 136
1997	2 843 916	2 521 814	1 607 519	801 591	956 898	240 460	64 698	169 340	9 206 236
CAMPERVANS									
1995	6 798	6 505	4 109	4 669	6 395	2 646	114	599	31 835
1996	6 728	(c)7 125	4 441	4 650	5 949	2 691	143	612	32 339
1997	6 586	7 144	4 731	4 736	6 644	2 698	156	596	33 291
LIGHT COMMERCIAL VEHICLES									
1995	430 786	357 773	339 951	115 274	187 195	57 217	21 499	17 517	1 527 212
1996	451 652	r (c)380 831	(d)353 125	119 469	197 184	59 065	23 080	17 235	r 1 601 641
1997	459 483	385 907	361 127	120 854	204 441	59 219	23 638	17 550	1 632 219
RIGID TRUCKS WITH GVM 3.5 AND LESS THAN 4.5 TONNE GVM									
1995	26 060	15 724	12 489	4 442	7 085	1 124	497	756	68 177
1996(b)	26 043	(c)15 720	12 303	r 3 594	6 790	1 494	445	599	66 988
1997	25 761	15 735	12 409	3 355	6 705	1 428	424	587	66 404
RIGID TRUCKS WITH GVM 4.5 TONNE AND OVER									
1995	77 049	68 928	51 104	22 009	35 959	9 932	2 337	1 926	269 244
1996(b)	77 762	(c)71 337	51 843	r 22 292	37 105	9 232	2 659	1 819	274 049
1997	78 999	71 300	52 297	22 505	37 278	9 030	2 783	1 816	276 008
ARTICULATED TRUCKS									
1995	15 028	16 516	11 710	5 309	6 748	1 646	1 069	296	58 322
1996(b)	15 119	r (c)16 783	r 11 502	r (e)5 145	6 930	1 611	994	268	r 58 352
1997	15 754	17 144	11 760	5 097	6 984	1 488	793	272	59 292
NON-FREIGHT CARRYING TRUCKS									
1995	2 663	4 784	2 572	1 729	2 211	833	162	182	15 136
1996(b)	2 726	(c)5 164	2 683	r 1 858	2 448	828	157	117	15 981
1997	3 201	5 386	2 821	1 636	2 495	905	186	69	16 699
BUSES									
1995	13 473	13 770	9 328	3 525	7 125	2 145	1 883	921	52 170
1996(b)	15 221	r (c)13 888	(d)12 405	3 589	8 210	2 190	2 261	1 008	r 58 772
1997	15 850	14 266	12 853	3 693	8 818	2 174	2 482	1 007	61 143
TOTAL MOTOR VEHICLES (excl. motor cycles)									
1995	3 256 704	2 799 310	1 944 554	934 206	1 138 245	312 672	86 441	178 770	10 650 902
1996	3 370 910	r(c)2 973 074	2 015 603	r 956 706	1 187 214	318 104	92 191	183 456	r 11 097 258
1997	3 449 550	3 038 696	2 065 517	963 467	1 230 263	317 402	95 160	191 237	11 351 292

(a) The 1995 data are as at 31 May. The 1996 and 1997 data are as at 31 October.

(b) The National Heavy Vehicle Scheme, introduced in all States/Territories during 1996, has had an impact on the classification and distribution of heavy vehicles. See paragraph 5 of the Explanatory Notes for details.

(c) Data have been revised to include an adjustment for underreporting in previously published figures. For more details see paragraph 6 of the Explanatory Notes.

(d) In 1996 a number of vehicles previously classified as passenger or light commercial vehicles in Queensland were re-classified to buses. Re-classification was based on better identification of the model of the vehicle.

(e) Data have been revised to include SA FIRS vehicles, which had been excluded from previously published figures. See paragraph 6 of the Explanatory Notes for more details.

2

MOTOR CYCLES, PLANT AND EQUIPMENT, CARAVANS AND TRAILERS—CENSUS YEARS

Year(a)	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
MOTOR CYCLES									
1995	75 757	70 570	68 326	28 618	37 242	7 201	3 929	4 985	296 628
1996	77 947	r (c)77 161	66 445	27 769	37 783	7 415	3 975	5 356	r 303 851
1997	80 598	80 271	66 640	28 744	39 318	7 581	3 948	6 001	313 101
PLANT AND EQUIPMENT									
1995	24 058	19 583	30 656	6 573	14 836	4 218	273	998	101 195
1996	23 509	(d)18 618	34 214	r 8 016	15 335	4 445	r 239	730	r 105 106
1997	20 473	18 562	34 450	10 307	16 101	4 495	162	478	105 028
CARAVANS									
1995	55 331	94 864	40 394	30 813	36 627	5 291	681	1 373	265 374
1996	56 730	(d)92 478	39 316	r 29 330	36 407	5 306	692	1 416	r 261 675
1997	57 017	93 408	39 821	28 586	36 727	5 207	675	1 387	262 828
TRAILERS									
1995	505 582	334 428	375 436	201 092	219 625	60 774	16 366	22 570	1 735 873
1996(b)	533 846	(d)341 425	382 255	r 202 423	227 312	62 662	18 072	23 203	r 1 791 198
1997	550 069	360 311	396 006	195 533	235 317	63 081	18 735	23 418	1 842 470

(a) The 1995 data are as at 31 May. The 1996 and 1997 data are as at 31 October.

(b) The National Heavy Vehicle Scheme, introduced in all States/Territories during 1996, has had an impact on the classification and distribution of heavy vehicles. See paragraph 5 of the Explanatory Notes for details.

(c) Data have been revised to adjust for underreporting in previously published figures. For more details see paragraph 6 of the Explanatory Notes.

(d) Data were underreported in 1996, and no revisions were available. See paragraph 6 of the Explanatory Notes.

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MOTOR VEHICLES ON REGISTER PER 1,000 POPULATION, CENSUS YEARS

Year(a)	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PASSENGER VEHICLES									
1995	439	514	462	527	511	501	r 332	515	r 478
1996	447	r (c)540	(d)469	540	522	508	343	525	r 484
1997	453	548	473	542	532	508	346	547	497
CAMPERVANS									
1995	1	1	1	3	4	6	r 1	2	r 2
1996	1	(c) 2	1	3	3	6	1	2	2
1997	1	2	1	3	4	6	1	2	2
LIGHT COMMERCIAL VEHICLES									
1995	73	83	107	81	112	125	r 121	61	r 87
1996	73	r (c)84	106	81	112	124	127	56	r 86
1997	73	84	106	82	114	125	126	57	88
ALL TRUCK TYPES									
1995	21	25	25	26	34	29	r 24	12	r 25
1996(b)	20	(c) 24	23	(c)22	30	28	23	9	22
1997	20	24	23	22	30	27	22	9	23
BUSES									
1995	2	3	3	2	4	5	r 11	3	r 3
1996(b)	2	r (c)3	(d)4	2	5	5	12	3	r 3
1997	3	3	4	2	5	5	13	3	3
MOTOR CYCLES									
1995	12	16	21	19	22	15	r 22	16	r 16
1996	13	r (c)17	20	19	21	16	22	17	r 16
1997	13	17	20	19	22	16	21	19	17
TOTAL MOTOR VEHICLES									
1995	545	637	614	653	679	676	r 509	604	r 606
1996	556	r (c)669	624	667	694	686	529	613	r 614
1997	563	677	627	671	706	686	530	637	630

(a) The 1995 data are as at 31 May. The 1996 and 1997 data are as at 31 October. Population data for 1995, 1996 and 1997 were as at 30 June.

(b) The National Heavy Vehicle Scheme, introduced in all States/Territories during 1996, has had an impact on the classification and distribution of heavy vehicles. See paragraph 5 of the Explanatory Notes for details.

(c) Data have been revised to include an adjustment for underreporting in previously published figures. For more details see paragraph 6 of the Explanatory Notes.

(d) In 1996 a number of vehicles previously classified as passenger or light commercial vehicles in Queensland were re-classified to buses. Re-classification was based on better identification of the model of the vehicle.

Source of population data: *Estimated Resident Population (Cat. no. 3201.0)*.

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

	1995	1997
<i>Year(c)</i>	<i>years</i>	<i>years</i>
Passenger vehicles	10.3	10.5
Campervans	16.3	17.6
Light commercial vehicles	11.0	11.4
Rigid trucks with GVM 3.5 and less than 4.5 tonnes	11.5	12.2
Rigid trucks with GVM 4.5 tonnes and over	14.2	15.1
Articulated trucks	11.0	11.5
Non-freight carrying trucks	13.0	13.8
Buses	8.8	9.1
Motor cycles	9.9	10.2
Total	10.5	10.7

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

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

(c) The 1995 data are as at 31 May. The 1997 data are as at 31 October.

5 ESTIMATED AVERAGE AGE(a) OF THE VEHICLE FLEET(b), BY TYPE OF VEHICLE—STATE/TERRITORY

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
<i>Type of vehicle</i>	<i>years</i>	<i>years</i>	<i>years</i>	<i>years</i>	<i>years</i>	<i>years</i>	<i>years</i>	<i>years</i>	<i>years</i>
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
Rigid trucks with GVM 3.5 and less than 4.5 tonnes	10.8	14.0	11.5	14.2	13.2	16.9	6.1	11.7	12.2
Rigid trucks with GVM 4.5 tonnes and over	13.7	16.5	13.8	16.8	16.2	16.0	12.0	10.8	15.1
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	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

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

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

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

6

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				
1995							
Passenger vehicles	4 318 382	3 992 531	8 310 913	175 641	98 369	43 883	8 628 806
Campervans	20 544	2 831	23 375	6 375	753	1 332	31 835
Light commercial vehicles	706 662	466 985	1 173 647	275 507	33 025	45 033	1 527 212
Rigid trucks with GVM 3.5 and less than 4.5 tonne	20 689	3 958	24 647	39 480	1 115	2 935	68 177
Rigid trucks with GVM 4.5 tonne and over	63 311	3 386	66 697	189 833	2 257	10 457	269 244
Articulated trucks	2 224	524	2 748	53 224	24	2 326	58 322
Non-freight carrying trucks	5 676	2 684	8 360	5 903	524	349	15 136
Buses	6 255	6 587	12 842	37 501	619	1 208	52 170
Motor cycles	162 544	133 956	296 500	14	48	66	296 628
Total	5 306 287	4 613 442	9 919 729	783 478	136 734	107 589	10 947 530
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
Rigid trucks with GVM 3.5 and less than 4.5 tonne	17 861	3 888	21 749	43 272	1 337	46	66 404
Rigid trucks with GVM 4.5 tonne and over	55 916	3 699	59 615	213 198	2 706	489	276 008
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

(a) The 1995 data are as at 31 May. The 1997 data are as at 31 October.

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MOTOR VEHICLES, TYPE OF VEHICLE—YEAR OF MANUFACTURE

<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>
PASSENGER VEHICLES									
To 1970	52 485	74 395	34 041	28 743	26 685	8 165	1 025	3 864	229 403
1971–78	200 365	286 731	141 565	112 952	97 741	35 597	4 562	17 210	896 723
1979–82	331 626	369 318	233 660	126 764	134 261	39 088	7 756	21 289	1 263 762
1983–86	514 287	486 612	306 223	162 773	175 801	48 360	11 502	30 536	1 736 094
1987–89	405 930	345 770	215 662	104 116	129 660	29 486	8 372	21 444	1 260 440
1990	165 986	128 828	88 554	40 963	44 227	10 928	3 152	8 994	491 632
1991	144 050	100 671	73 238	31 881	42 687	9 219	2 874	8 210	412 830
1992	148 088	105 219	77 672	32 816	47 414	9 660	3 328	8 499	432 696
1993	156 976	111 133	81 066	32 759	50 485	9 879	3 507	8 963	454 768
1994	184 323	120 293	89 761	34 811	54 375	10 535	4 204	9 268	507 570
1995	194 901	128 992	93 671	36 453	55 019	10 444	5 217	10 309	535 006
1996	185 111	134 699	89 868	32 545	54 605	10 217	4 681	9 592	521 318
1997	152 062	127 953	77 695	23 956	43 865	8 822	4 515	11 155	450 023
Not stated	7 726	1 200	4 843	59	73	60	3	7	13 971
<i>Total</i>	<i>2 843 916</i>	<i>2 521 814</i>	<i>1 607 519</i>	<i>801 591</i>	<i>956 898</i>	<i>240 460</i>	<i>64 698</i>	<i>169 340</i>	<i>9 206 236</i>
CAMPERVANS									
To 1970	197	977	300	373	699	201	12	23	2 782
1971–78	2 451	2 831	1 529	2 041	2 938	1 110	34	268	13 202
1979–82	1 249	1 237	808	795	990	443	23	112	5 657
1983–86	1 367	1 004	859	792	1 088	518	17	92	5 737
1987–89	492	348	388	236	394	199	13	39	2 109
1990	132	123	109	79	139	48	1	13	644
1991	135	94	98	75	87	36	2	6	533
1992	89	60	64	51	123	40	3	6	436
1993	130	74	99	59	81	39	5	11	498
1994	104	105	116	50	56	31	17	13	492
1995	64	90	71	63	26	20	20	8	362
1996	61	104	71	66	18	9	9	5	343
1997	47	89	215	54	4	4	—	—	413
Not stated	68	8	4	2	1	—	—	—	83
<i>Total</i>	<i>6 586</i>	<i>7 144</i>	<i>4 731</i>	<i>4 736</i>	<i>6 644</i>	<i>2 698</i>	<i>156</i>	<i>596</i>	<i>33 291</i>
LIGHT COMMERCIAL VEHICLES									
To 1970	9 127	15 133	9 524	4 675	5 762	2 823	294	465	47 803
1971–78	52 360	66 587	48 407	22 067	32 120	11 174	2 266	2 264	237 245
1979–82	60 666	57 134	53 925	18 828	29 740	8 243	3 156	2 191	233 883
1983–86	81 732	76 412	60 938	22 725	33 861	11 636	4 518	3 152	294 974
1987–89	58 406	46 217	39 069	13 778	23 534	6 673	2 438	1 991	192 106
1990	26 137	16 498	17 443	5 905	8 186	2 770	1 113	855	78 907
1991	20 995	11 667	15 509	4 001	7 349	2 084	1 029	809	63 443
1992	23 708	13 064	18 683	4 519	9 242	2 494	1 215	869	73 794
1993	21 986	14 361	18 412	4 415	10 156	2 225	1 470	826	73 851
1994	28 053	16 783	21 979	5 232	11 509	2 653	1 543	1 090	88 842
1995	27 093	17 303	19 807	5 254	11 676	2 443	1 741	975	86 292
1996	26 966	18 584	20 748	5 748	12 500	2 390	1 684	1 048	89 668
1997	19 753	15 919	15 188	3 692	8 779	1 580	1 169	1 014	67 094
Not stated	2 501	245	1 495	15	27	31	2	1	4 317
<i>Total</i>	<i>459 483</i>	<i>385 907</i>	<i>361 127</i>	<i>120 854</i>	<i>204 441</i>	<i>59 219</i>	<i>23 638</i>	<i>17 550</i>	<i>1 632 219</i>

...continued

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MOTOR VEHICLES, 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 3.5 AND LESS THAN 4.5 TONNE									
To 1970	563	1 195	385	227	435	135	2	13	2 955
1971–78	2 671	3 219	1 826	745	1 290	459	15	94	10 319
1979–82	3 338	2 232	1 764	491	897	248	10	91	9 071
1983–86	4 819	2 870	2 081	607	1 174	267	9	118	11 945
1987–89	4 677	2 150	1 843	435	949	111	53	79	10 297
1990	1 706	721	655	204	306	36	42	23	3 693
1991	1 172	445	455	114	264	35	49	26	2 560
1992	1 189	401	558	106	227	12	58	32	2 583
1993	1 181	509	616	91	231	34	42	17	2 721
1994	1 406	571	733	87	266	36	36	27	3 162
1995	1 212	654	632	101	286	21	55	28	2 989
1996	934	267	465	80	230	26	36	18	2 056
1997	686	474	344	66	150	3	17	21	1 761
Not stated	207	27	52	1	—	5	—	—	292
<i>Total</i>	<i>25 761</i>	<i>15 735</i>	<i>12 409</i>	<i>3 355</i>	<i>6 705</i>	<i>1 428</i>	<i>424</i>	<i>587</i>	<i>66 404</i>
RIGID TRUCKS WITH GVM 4.5 TONNE AND OVER									
To 1970	5 765	10 750	3 779	3 398	4 913	929	51	24	29 609
1971–78	13 719	16 069	9 156	5 322	9 497	2 280	366	198	56 607
1979–82	12 621	10 581	9 356	3 583	5 870	1 518	475	223	44 227
1983–86	15 046	12 421	9 922	4 293	5 988	1 803	729	449	50 651
1987–89	10 511	8 008	6 159	2 192	3 894	1 018	403	299	32 484
1990	3 654	2 469	2 070	798	1 121	306	118	85	10 621
1991	2 209	1 441	1 514	470	730	164	102	62	6 692
1992	2 618	1 581	1 726	448	896	185	86	96	7 636
1993	2 258	1 485	1 829	369	877	144	81	82	7 125
1994	3 029	1 703	2 002	492	1 033	212	107	104	8 682
1995	2 602	1 524	1 647	467	932	203	111	71	7 557
1996	2 333	1 726	1 441	363	952	152	84	75	7 126
1997	1 683	1 458	1 096	307	572	107	70	48	5 341
Not stated	951	84	600	3	3	9	—	—	1 650
<i>Total</i>	<i>78 999</i>	<i>71 300</i>	<i>52 297</i>	<i>22 505</i>	<i>37 278</i>	<i>9 030</i>	<i>2 783</i>	<i>1 816</i>	<i>276 008</i>
ARTICULATED TRUCKS									
To 1970	675	711	336	82	227	15	9	1	2 056
1971–78	2 555	3 285	1 818	778	1 321	179	103	20	10 059
1979–82	1 916	2 232	1 727	723	1 261	174	137	41	8 211
1983–86	2 138	2 367	1 670	832	1 186	307	142	35	8 677
1987–89	2 085	2 431	1 559	710	1 044	263	107	43	8 242
1990	743	626	524	244	317	87	31	16	2 588
1991	356	344	267	173	119	45	22	4	1 330
1992	450	443	386	130	136	63	12	12	1 632
1993	693	755	603	208	231	58	37	19	2 604
1994	1 352	1 111	888	329	279	73	35	30	4 097
1995	1 103	1 108	747	283	325	94	58	16	3 734
1996	857	858	644	310	318	78	65	21	3 151
1997	662	860	569	294	220	52	35	14	2 706
Not stated	169	13	22	1	—	—	—	—	205
<i>Total</i>	<i>15 754</i>	<i>17 144</i>	<i>11 760</i>	<i>5 097</i>	<i>6 984</i>	<i>1 488</i>	<i>793</i>	<i>272</i>	<i>59 292</i>

...continued

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MOTOR VEHICLES, 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	166	477	118	134	502	116	8	13	1 534
1971-78	683	835	423	269	542	230	32	19	3 033
1979-82	512	636	442	168	323	127	29	8	2 245
1983-86	539	1 043	415	206	340	114	18	10	2 685
1987-89	294	848	355	256	216	92	33	6	2 100
1990	100	246	147	132	62	43	9	—	739
1991	83	234	150	81	81	26	8	1	664
1992	95	209	153	77	99	34	12	2	681
1993	105	136	97	70	58	20	10	2	498
1994	153	94	143	53	64	33	7	1	548
1995	199	227	102	60	60	34	3	3	688
1996	158	288	193	93	99	26	14	2	873
1997	73	106	68	35	48	8	3	2	343
Not stated	41	7	15	2	1	2	—	—	68
Total	3 201	5 386	2 821	1 636	2 495	905	186	69	16 699
BUSES									
To 1970	176	302	92	92	129	130	2	11	934
1971-78	1 136	1 142	1 241	573	533	436	33	61	5 155
1979-82	1 540	1 721	1 454	455	425	253	63	73	5 984
1983-86	2 059	2 931	1 820	659	774	353	134	144	8 874
1987-89	2 312	2 152	1 825	486	1 174	306	285	248	8 788
1990	1 150	719	721	194	525	127	191	90	3 717
1991	1 069	689	719	131	781	91	169	78	3 727
1992	1 214	780	877	130	758	111	204	66	4 140
1993	1 122	691	807	156	772	90	278	38	3 954
1994	1 078	864	877	218	850	80	320	52	4 339
1995	1 236	863	924	196	858	110	274	50	4 511
1996	944	745	885	279	776	50	308	60	4 047
1997	600	659	604	124	461	37	221	35	2 741
Not stated	214	8	7	—	2	—	—	1	232
Total	15 850	14 266	12 853	3 693	8 818	2 174	2 482	1 007	61 143
TOTAL MOTOR VEHICLES (excl. motor cycles)									
To 1970	69 154	103 940	48 575	37 724	39 352	12 514	1 403	4 414	317 076
1971-78	275 940	380 699	205 965	144 747	145 982	51 465	7 411	20 134	1 232 343
1979-82	413 468	445 091	303 136	151 807	173 767	50 094	11 649	24 028	1 573 040
1983-86	621 987	585 660	383 928	192 887	220 212	63 358	17 069	34 536	2 119 637
1987-89	484 707	407 924	266 860	122 209	160 865	38 148	11 704	24 149	1 516 566
1990	199 608	150 230	110 223	48 519	54 883	14 345	4 657	10 076	592 541
1991	170 069	115 585	91 950	36 926	52 098	11 700	4 255	9 196	491 779
1992	177 451	121 757	100 119	38 277	58 895	12 599	4 918	9 582	523 598
1993	184 451	129 144	103 529	38 127	62 891	12 489	5 430	9 958	546 019
1994	219 498	141 524	116 499	41 272	68 432	13 653	6 269	10 585	617 732
1995	228 410	150 761	117 601	42 877	69 182	13 369	7 479	11 460	641 139
1996	217 364	157 271	114 315	39 484	69 498	12 948	6 881	10 821	628 582
1997	175 566	147 518	95 779	28 528	54 099	10 613	6 030	12 289	530 422
Not stated	11 877	1 592	7 038	83	107	107	5	9	20 818
Total	3 449 550	3 038 696	2 065 517	963 467	1 230 263	317 402	95 160	191 237	11 351 292

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PASSENGER VEHICLES ON REGISTER, BY MAKE OF VEHICLE—CENSUS YEARS(a)

<i>Make</i>	<i>1995</i>	<i>1997</i>
BMW	70 401	89 012
Chrysler	169 378	124 544
Daewoo	7 332	38 317
Daihatsu	111 117	124 898
Ford	1 946 343	2 052 586
Holden	1 826 559	1 879 949
Honda	202 096	227 790
Hyundai	101 581	217 972
Jaguar	23 918	23 894
Land Rover	14 000	24 612
Mazda	427 904	435 055
Mercedes-Benz	87 661	96 823
Mitsubishi	785 708	885 348
Nissan (incl. Datsun)	791 538	745 622
Peugeot	30 578	33 531
Saab	24 447	30 668
Subaru	123 783	139 996
Suzuki	75 973	97 737
Toyota	1 407 215	1 522 702
Volkswagen	67 771	64 802
Volvo	93 753	94 323
Other/not stated	239 750	256 055
Total	8 628 806	9 206 236

(a) The 1995 data are as at 31 May. The 1997 data are as at 31 October.

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

<i>Make</i>	<i>1978 and earlier</i>	<i>1979–82</i>	<i>1983–86</i>	<i>1987–89</i>	<i>1990–93</i>	<i>1994–95</i>	<i>1996</i>	<i>1997</i>	<i>Not stated</i>	<i>Total</i>
BMW	6 843	7 885	15 311	10 221	18 280	15 195	7 735	7 390	152	89 012
Chrysler	77 767	42 639	161	18	12	16	1 102	2 457	372	124 544
Daewoo	—	—	—	—	8	14 956	12 742	10 611	—	38 317
Daihatsu	222	6 200	14 810	12 401	57 953	22 738	5 338	5 118	118	124 898
Ford	190 511	268 638	447 955	330 108	396 004	222 143	112 740	82 071	2 416	2 052 586
Holden	302 996	301 110	330 379	246 628	316 919	206 718	102 571	69 043	3 585	1 879 949
Honda	18 014	30 457	32 656	37 251	50 010	30 222	15 324	13 599	257	227 790
Hyundai	3	1	1 963	15 758	45 776	63 868	44 787	45 782	34	217 972
Jaguar	11 552	2 628	3 945	3 045	1 033	705	445	438	103	23 894
Land Rover	1 895	480	995	190	5 033	7 790	4 346	3 860	23	24 612
Mazda	50 267	92 292	94 893	35 245	81 079	44 270	18 479	18 081	449	435 055
Mercedes-Benz	31 314	13 514	15 192	9 948	10 137	7 189	4 760	4 474	295	96 823
Mitsubishi	2 610	103 221	195 427	154 941	212 966	115 458	49 743	50 289	693	885 348
Nissan (incl. Datsun)	97 558	133 717	159 381	129 940	149 228	37 716	17 025	19 832	1 225	745 622
Peugot	7 823	5 273	5 461	2 014	2 982	6 097	1 588	2 217	76	33 531
Saab	1 008	1 345	4 282	5 386	6 940	6 292	2 951	2 424	40	30 668
Subaru	2 025	17 514	32 397	11 578	41 580	16 242	8 131	10 344	185	139 996
Suzuki	188	3 914	13 536	9 348	33 514	22 187	8 228	6 759	63	97 737
Toyota	138 791	185 618	320 484	218 095	333 977	171 919	83 264	68 795	1 759	1 522 702
Volkswagen	49 467	2 765	798	630	1 484	2 951	2 555	3 731	421	64 802
Volvo	21 841	21 658	19 344	10 079	8 700	6 312	3 231	3 029	129	94 323
Other/not stated	113 431	22 893	26 724	17 616	18 311	21 592	14 233	19 679	1 576	256 055
Total	1 126 126	1 263 762	1 736 094	1 260 440	1 791 926	1 042 576	521 318	450 023	13 971	9 206 236

10

CAMPERVANS ON REGISTER, BY MAKE OF VEHICLE—CENSUS YEARS(a)

<i>Make</i>	<i>1995</i>	<i>1997</i>
Bedford	2 045	2 226
Ford	2 004	2 316
Mazda	2 138	2 617
Mitsubishi	748	867
Nissan (incl. Datsun)	3 730	3 674
Toyota	10 234	10 862
Volkswagen	7 968	7 152
Other/not stated	2 968	3 577
Total	31 835	33 291

(a) The 1995 data are as at 31 May 1995. The 1997 data are as at 31 October.

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

<i>Make</i>	<i>1978 and earlier</i>	<i>1979–82</i>	<i>1983–86</i>	<i>1987–89</i>	<i>1990–93</i>	<i>1994–95</i>	<i>1996</i>	<i>1997</i>	<i>Not stated</i>	<i>Total</i>
Bedford	2 089	122	9	1	—	—	—	—	5	2 226
Ford	933	235	278	94	271	224	62	214	5	2 316
Mazda	279	383	866	342	410	178	86	68	5	2 617
Mitsubishi	4	168	233	163	163	47	81	5	3	867
Nissan (incl. Datsun)	1 052	770	1 309	392	126	14	—	—	11	3 674
Toyota	2 941	3 349	2 615	882	809	178	30	30	28	10 862
Volkswagen	6 337	305	171	133	107	46	31	2	20	7 152
Other/not stated	2 349	325	256	102	225	167	53	94	6	3 577
Total	15 984	5 657	5 737	2 109	2 111	854	343	413	83	33 291

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LIGHT COMMERCIAL VEHICLES ON REGISTER, BY MAKE OF VEHICLE—CENSUS YEARS(a)

<i>Make</i>	<i>1995</i>	<i>1997</i>
Chrysler	9 205	7 188
Daihatsu	25 126	22 531
Ford	287 914	306 810
Holden	283 594	307 756
Land Rover	21 184	19 625
Leyland	6 622	5 269
Mazda	76 555	82 215
Mitsubishi	113 379	129 703
Nissan (incl. Datsun)	167 194	172 362
Subaru	22 497	21 466
Suzuki	44 015	36 953
Toyota	417 295	466 840
Volkswagen	16 922	19 119
Other/not stated	35 710	34 382
Total	1 527 212	1 632 219

(a) The 1995 data are as at 31 May. The 1997 data are as at 31 October.

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LIGHT COMMERCIAL VEHICLES ON REGISTER, BY MAKE OF VEHICLE—CENSUS YEARS(a)

<i>Make</i>	<i>1978 earlier</i>	<i>1979-82</i>	<i>1983-86</i>	<i>1987-89</i>	<i>1990-93</i>	<i>1994-95</i>	<i>1996</i>	<i>1997</i>	<i>Not stated</i>	<i>Total</i>
Chrysler	6 260	896	1	—	—	—	—	—	31	7 188
Daihatsu	2 688	6 492	7 792	3 708	1 205	457	80	36	73	22 531
Ford	47 297	40 773	54 783	49 779	48 640	33 317	18 625	12 945	651	306 810
Holden	108 423	49 348	26 496	11 023	44 968	32 239	19 124	15 182	953	307 756
Land Rover	14 555	1 916	304	92	456	1 128	626	335	213	19 625
Leyland	3 319	1 889	45	6	1	—	—	—	9	5 269
Mazda	6 857	10 959	19 902	7 748	15 538	11 421	5 553	4 095	142	82 215
Mitsubishi	45	12 030	24 248	20 462	39 969	18 804	7 982	6 015	148	129 703
Nissan (incl. Datsun)	19 399	30 886	44 751	29 679	26 212	11 512	4 936	4 626	361	172 362
Subaru	179	1 139	3 906	6 766	9 380	20	2	2	72	21 466
Suzuki	2 770	10 927	15 193	4 325	1 544	1 277	507	310	100	36 953
Toyota	46 416	61 119	92 035	57 297	99 033	60 359	28 982	20 517	1 082	466 840
Volkswagen	9 750	613	472	821	1 400	2 663	1 707	1 654	39	19 119
Other/not stated	17 090	4 896	5 046	400	1 649	1 937	1 544	1 377	443	34 382
Total	285 048	233 883	294 974	192 106	289 995	175 134	89 668	67 094	4 317	1 632 219

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RIGID TRUCKS WITH GVM 3.5 AND LESS THAN 4.5 TONNE, BY MAKE OF VEHICLE—CENSUS YEARS(a)

<i>Make</i>	<i>1995</i>	<i>1997</i>
Daihatsu	11 473	10 567
Ford	10 189	9 906
Isuzu	7 025	8 585
Mazda	4 821	5 126
Mitsubishi	4 253	5 719
Nissan (incl. Datsun)	2 382	1 891
Toyota	19 892	18 886
Other/not stated	8 142	5 724
Total	68 177	66 404

(a) The 1995 data are as at 31 May 1995. The 1997 data are as at 31 October.

15

RIGID TRUCKS 3.5 AND LESS THAN 4.5 TONNE ON REGISTER, BY MAKE OF VEHICLE—YEAR OF MANUFACTURE

<i>Make</i>	<i>1978 and earlier</i>	<i>1979–82</i>	<i>1983–86</i>	<i>1987–89</i>	<i>1990–93</i>	<i>1994–95</i>	<i>1996</i>	<i>1997</i>	<i>Not stated</i>	<i>Total</i>
Daihatsu	1 161	2 559	2 887	1 707	1 310	605	190	97	51	10 567
Ford	1 394	1 025	2 543	1 700	1 766	826	355	265	32	9 906
Isuzu	74	268	956	1 913	2 516	1 592	586	660	20	8 585
Mazda	704	564	876	987	1 032	676	146	125	16	5 126
Mitsubishi	11	66	187	1 129	2 189	1 290	472	368	7	5 719
Nissan (incl. Datsun)	817	308	452	187	110	2	9	1	5	1 891
Toyota	4 934	3 522	3 864	2 622	2 561	1 032	157	108	86	18 886
Other/not stated	4 179	759	180	52	73	128	141	137	75	5 724
Total	13 274	9 071	11 945	10 297	11 557	6 151	2 056	1 761	292	66 404

16

RIGID TRUCKS WITH GVM 4.5 TONNE AND OVER, BY MAKE OF VEHICLE—CENSUS YEARS(a)

<i>Make</i>	<i>1995</i>	<i>1997(b)</i>
Bedford	18 353	15 414
Dodge	13 112	11 434
Ford	34 837	33 424
Hino	19 423	21 388
International	48 168	47 632
Isuzu	39 463	43 755
Mazda	10 997	10 863
Mercedes-Benz	4 571	4 888
Mitsubishi	25 893	30 207
Nissan UD Diesel	3 691	8 676
Toyota	14 827	13 727
Volvo	6 014	7 614
Other/not stated	29 895	26 986
Total	269 244	276 008

(a) The 1995 data are as at 31 May 1995. The 1997 data are as at 31 October.

(b) The National Heavy Vehicle Registration Scheme, introduced in all States/Territories during 1996, has had an impact on the classification and distribution of rigid trucks. See paragraph 5 of the Explanatory Notes for details.

17

RIGID TRUCKS 4.5 TONNE AND OVER ON REGISTER, BY MAKE OF VEHICLE—YEAR OF MANUFACTURE

Make	1978	1979-82	1983-86	1987-89	1990-93	1994-95	1996	1997	Not	Total
	and earlier								stated	
Bedford	14 404	766	5	5	—	—	—	—	234	15 414
Dodge	10 707	624	2	1	—	1	2	1	96	11 434
Ford	12 518	6 890	5 962	3 408	2 611	1 138	376	298	223	33 424
Hino	887	3 196	6 228	3 470	4 098	1 886	737	806	80	21 388
International	26 047	9 165	3 888	2 909	2 284	1 700	793	401	445	47 632
Isuzu	1 772	6 694	11 242	7 082	8 829	4 307	2 097	1 602	130	43 755
Mazda	1 326	929	3 318	1 976	2 040	742	318	190	24	10 863
Mercedes-Benz	1 307	645	1 220	599	770	263	48	15	21	4 888
Mitsubishi	99	4 076	8 800	6 137	6 074	2 883	1 190	865	83	30 207
Nissan UD (diesel)	740	1 126	1 859	1 602	1 566	883	455	415	30	8 676
Toyota	3 167	2 975	3 021	1 995	1 494	702	207	94	72	13 727
Volvo	1 583	1 453	1 402	1 071	1 091	547	278	170	19	7 614
Other/not stated	11 659	5 688	3 704	2 229	1 217	1 187	625	484	193	26 986
Total	86 216	44 227	50 651	32 484	32 074	16 239	7 126	5 341	1 650	276 008

18

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

Make	GVM (tonnes)									Total
	Over 3.5-4.5	Over 4.5-6	Over 6-8	Over 8-10	Over 10-12	Over 12-16	Over 16-20	Greater than 20	Not stated	
Bedford	518	2 080	3 211	4 165	3 065	2 467	219	207	137	16 069
Daihatsu	10 077	3 920	464	2	1	1	—	1	490	14 956
Dodge	854	2 210	2 676	1 578	3 101	1 417	314	138	132	12 420
Ford	8 428	9 095	7 408	2 532	3 549	4 790	307	5 743	1 478	43 330
Hino	—	35	528	7 202	3 613	8 287	276	1 447	—	21 388
International	1 101	1 429	4 179	4 928	6 646	13 508	3 904	13 038	298	49 031
Isuzu	8 225	4 087	9 064	14 851	3 602	9 234	962	1 955	360	52 340
Mazda	4 967	4 872	5 907	51	29	2	—	2	159	15 989
Mercedes-Benz	8	11	85	184	215	1 506	195	2 692	30	4 926
Mitsubishi	5 425	5 703	4 565	6 584	2 070	8 446	221	2 618	294	35 926
Nissan (incl. Datsun)	1 779	1 209	218	—	—	—	—	—	112	3 318
Nissan UD (diesel)	—	—	28	2 940	370	2 207	388	2 743	—	8 676
Toyota	17 696	5 167	6 328	268	1 357	607	—	—	1 190	32 613
Volvo	—	2	3	8	10	724	343	6 524	2	7 616
Other/not stated	2 252	1 359	1 375	2 132	1 701	3 352	880	10 371	392	23 814
Total	61 330	41 179	46 039	47 425	29 329	56 548	8 009	47 479	5 074	342 412

19

ARTICULATED TRUCKS ON REGISTER, BY MAKE OF VEHICLE— CENSUS YEARS(a)

<i>Make</i>	<i>1995</i>	<i>1997(b)</i>
Atkinson	1 029	864
Ford	5 597	6 063
Freightliner	899	1 580
International	9 083	9 580
Kenworth	10 082	10 962
Mack	7 323	7 341
Mercedes-Benz	4 813	4 338
Mitsubishi	678	695
Nissan UD (diesel)	1 796	1 568
Scania	3 976	3 860
Volvo	7 152	6 510
Western Star	1 511	1 995
White	1 426	1 231
Other/not stated	2 957	2 705
Total	58 322	59 292

(a) The 1995 data are as at 31 May. The 1997 data are as at 31 October.

(b) The National Heavy Vehicle Scheme, introduced in all States/Territories during 1996, has had an impact on the classification and distribution of articulated trucks. See paragraph 5 of the Explanatory Notes for details.

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

<i>Make</i>	<i>1978 and earlier</i>	<i>1979–82</i>	<i>1983–86</i>	<i>1987–89</i>	<i>1990–93</i>	<i>1994–95</i>	<i>1996</i>	<i>1997</i>	<i>Not stated</i>	<i>Total</i>
Atkinson	443	192	185	40	—	—	—	—	4	864
Ford	675	806	1 068	1 124	904	911	316	246	13	6 063
Freightliner	—	—	1	58	430	572	256	263	—	1 580
International	2 255	1 768	1 286	1 136	1 085	1 140	510	351	49	9 580
Kenworth	1 838	1 568	1 568	1 597	1 561	1 464	652	690	24	10 962
Mack	1 264	957	933	1 125	895	1 263	507	382	15	7 341
Mercedes-Benz	1 896	430	767	465	418	254	62	20	26	4 338
Mitsubishi	6	24	231	226	124	57	17	10	—	695
Nissan UD (diesel)	332	308	333	227	201	88	36	42	1	1 568
Scania	308	370	898	704	715	424	232	198	11	3 860
Volvo	1 053	828	888	1 043	1 292	857	253	269	27	6 510
Western Star	1	—	141	289	402	702	271	184	5	1 995
White	605	616	3	2	1	—	—	—	4	1 231
Other/not stated	1 439	344	375	206	126	99	39	51	26	2 705
Total	12 115	8 211	8 677	8 242	8 154	7 831	3 151	2 706	205	59 292

21

NON-FREIGHT CARRYING TRUCKS ON REGISTER, BY MAKE OF VEHICLE—CENSUS YEARS(a)

<i>Make</i>	1995	1997
Bedford	520	500
Ford	4 874	4 799
Hino	1 108	1 382
Holden	425	540
International	2 352	2 623
Isuzu	1 254	1 817
Mitsubishi	401	506
Toyota	1 520	1 467
Other/not stated	2 682	3 065
Total	15 136	16 699

(a) The 1995 data are as at 31 May 1995. The 1997 data are as at 31 October.

22

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

<i>Make</i>	1978 and earlier	1979–82	1983–86	1987–89	1990–93	1994–95	1996	1997	Not stated	<i>Total</i>
Bedford	432	63	—	1	—	—	—	—	4	500
Ford	1 165	810	812	567	1 041	134	171	85	14	4 799
Hino	6	28	328	312	380	176	105	43	4	1 382
Holden	178	66	19	8	17	132	83	34	3	540
International	1 316	613	408	122	87	32	25	14	6	2 623
Isuzu	31	120	332	488	320	253	233	35	5	1 817
Mitsubishi	2	38	116	83	115	82	51	18	1	506
Toyota	156	168	188	190	334	256	106	64	5	1 467
Other/not stated	1 281	339	482	329	288	171	99	50	26	3 065
Total	4 567	2 245	2 685	2 100	2 582	1 236	873	343	68	16 699

23

BUSES ON REGISTER, BY MAKE OF VEHICLE—CENSUS YEARS(a)

<i>Make</i>	<i>1995</i>	<i>1997</i>
Bedford	2 923	2 209
Denning	1 085	1 066
Hino	2 793	3 077
Leyland	2 135	1 691
MAN	1 480	1 825
Mazda	2 508	2 459
Mercedes-Benz	4 456	5 237
Nissan (incl. Datsun)	2 877	3 042
Renault	643	650
Scania	834	1 159
Toyota	23 917	32 143
Volvo	2 551	2 683
Other/not stated	3 968	3 902
Total	52 170	61 143

(a) The 1995 data are as at 31 May. The 1997 data are as at 31 October.

24

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

<i>Make</i>	<i>1978 and earlier</i>	<i>1979–82</i>	<i>1983–86</i>	<i>1987–89</i>	<i>1990–93</i>	<i>1994–95</i>	<i>1996</i>	<i>1997</i>	<i>Not stated</i>	<i>Total</i>
Bedford	1 652	537	—	—	—	—	—	—	20	2 209
Denning	225	254	285	204	73	10	5	—	10	1 066
Hino	320	436	594	420	679	372	157	67	32	3 077
Leyland	898	325	283	117	31	—	2	—	35	1 691
MAN	138	378	302	281	203	259	165	97	2	1 825
Mazda	93	288	790	468	618	135	56	—	11	2 459
Mercedes-Benz	531	875	1 183	793	715	738	238	133	31	5 237
Nissan (incl. datsun)	178	221	812	582	762	292	102	91	2	3 042
Renault	—	—	63	321	229	31	6	—	—	650
Scania	—	—	157	190	307	250	133	112	10	1 159
Toyota	635	1 671	3 112	4 403	10 969	6 286	2 919	2 101	47	32 143
Volvo	603	426	517	379	421	196	76	54	11	2 683
Other/not stated	816	573	776	630	531	281	188	86	21	3 902
Total	6 089	5 984	8 874	8 788	15 538	8 850	4 047	2 741	232	61 143

25

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

<i>Make</i>	<i>Small</i>	<i>Medium</i>	<i>Large</i>	<i>Not stated</i>	<i>Total</i>
Bedford	19	1 880	310	—	2 209
Denning	—	29	1 037	—	1 066
Hino	2	1 311	1 764	—	3 077
Leyland	40	342	1 309	—	1 691
MAN	—	269	1 554	2	1 825
Mazda	2 337	103	—	19	2 459
Mercedes-Benz	—	618	4 616	3	5 237
Nissan (incl. Datsun)	2 368	655	—	19	3 042
Renault	—	—	650	—	650
Scania	—	19	1 140	—	1 159
Toyota	30 437	1 701	—	5	32 143
Volvo	—	122	2 561	—	2 683
Other/not stated	452	1 145	2 304	1	3 902
Total	35 655	8 194	17 245	49	61 143

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

26

MOTOR CYCLES ON REGISTER, BY YEAR OF MANUFACTURE

<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>
To 1970	1 512	1 933	1 894	812	1 802	146	50	94	8 243
1971–78	5 254	5 831	5 984	1 090	3 554	631	179	383	22 906
1979–82	11 781	11 855	11 009	1 367	6 109	1 160	438	1 036	44 755
1983–86	14 586	15 704	12 077	1 534	7 248	1 736	688	1 256	54 829
1987–89	8 591	8 270	8 089	1 043	4 859	766	493	637	32 748
1990	3 575	3 486	3 184	814	1 663	325	211	261	13 519
1991	4 198	3 607	3 412	1 082	1 930	356	217	293	15 095
1992	3 323	3 529	3 126	1 082	1 687	325	215	242	13 529
1993	4 228	3 790	3 346	1 104	1 859	422	252	238	15 239
1994	5 578	4 421	3 744	1 326	2 134	421	273	336	18 233
1995	7 125	5 469	4 410	1 587	2 510	473	379	397	22 350
1996	6 982	6 162	4 159	1 386	2 563	560	372	444	22 628
1997	3 574	5 801	2 074	748	1 397	258	181	384	14 417
Not stated	291	413	132	13 769	3	2	—	—	14 610
Total	80 598	80 271	66 640	28 744	39 318	7 581	3 948	6 001	313 101

27

MOTOR CYCLES ON REGISTER, BY MAKE OF VEHICLE—CENSUS YEARS(a)

<i>Make</i>	<i>1995</i>	<i>1997</i>
BMW	11 740	13 174
Ducati	5 130	6 426
Harley Davidson	24 889	31 091
Honda	86 456	89 088
Kawasaki	40 874	43 237
Suzuki	46 843	45 354
Triumph	4 772	5 997
Yamaha	64 776	65 388
Other/not stated	11 148	13 346
Total	296 628	313 101

(a) The 1995 data are as at 31 May. The 1997 data are as at 31 October.

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

<i>Make</i>	<i>1978 and earlier</i>	<i>1979–82</i>	<i>1983–86</i>	<i>1987–89</i>	<i>1990–93</i>	<i>1994–95</i>	<i>1996</i>	<i>1997</i>	<i>Not stated</i>	<i>Total</i>
BMW	1 622	1 362	3 832	1 172	1 875	1 669	707	467	468	13 174
Ducati	1 290	1 155	662	348	819	1 038	422	435	257	6 426
Harley Davidson	4 493	2 064	2 615	2 868	7 552	5 894	3 294	1 577	734	31 091
Honda	7 047	14 122	17 095	8 653	13 726	12 587	6 481	4 903	4 474	89 088
Kawasaki	2 488	4 985	8 123	5 773	9 988	5 258	3 094	1 698	1 830	43 237
Suzuki	2 117	9 213	9 888	5 157	9 275	3 000	2 608	1 820	2 276	45 354
Triumph	3 222	508	78	30	277	1 012	325	366	179	5 997
Yamaha	3 619	10 475	11 398	7 975	12 606	8 567	4 378	2 388	3 982	65 388
Other/not stated	5 251	871	1 138	772	1 264	1 558	1 319	763	410	13 346
Total	31 149	44 755	54 829	32 748	57 382	40 583	22 628	14 417	14 610	313 101

EXPLANATORY NOTES

MOTOR VEHICLE CENSUS

- 1** This publication contains statistics relating to vehicles which were on register at 31 October 1997 with a motor vehicle registration authority. Similar statistics have been published periodically since the first Motor Vehicle Census was conducted in 1971.
- 2** For census purposes, 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.
- 3** 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 and other similar initiatives have improved data accuracy, care needs to be taken when comparing data from different State and Territory registry systems.
- 4** 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 more accurate classification of vehicles. Vehicles manufactured earlier than 1990 generally do not have a VIN. Therefore, data for these earlier vehicles are less accurate compared to data for vehicles with a later year of manufacture.
- 5** During 1995 and 1996, State/Territory jurisdictions introduced the National Heavy Vehicle Registration Scheme (NHVRS). The scheme applies to rigid, articulated and non-freight carrying trucks, buses and trailers that have Gross Vehicle Mass (GVM) greater than 4.5 tonne. It sets uniform registration fees for vehicles of various types for all registries, replacing the system where each state set its own fees. With the introduction of the scheme, additional information was received from each motor registry except DAS Fleet and ACTION, showing the fee category based on the type of vehicle, GVM and number of axles. This information has been used in classifying the vehicle type. The introduction of the scheme has, therefore, had two impacts on census data. Firstly, because registration has become relatively cheaper or more expensive in some States/Territories, owners may have transferred registration of heavy vehicles to other registries or have de-registered vehicles. This has led to fluctuations in registrations of heavy vehicles, especially rigid and articulated trucks, in most States/Territories. Secondly, the additional information provided in the form of the fee category has allowed more accurate classification of some vehicles. In particular, a number of vehicles previously classified as articulated trucks have been re-classified as rigid trucks. Note that sometimes fee categories differ from definitions of vehicles used in this publication. Where these discrepancies exist, vehicles are classified using definitions previously used (e.g. towtrucks are classified as 'Non-freight carrying trucks' even though their fee category indicates they are rigid trucks).

6 The 1996 publication understated the number of registrations in Victoria, and the number of articulated trucks in South Australia. Victorian data provided to the ABS in 1996 were incorrect to the extent that some data relating to vehicles registered for the first time after about March 1996 were not included in the snapshot taken at 31 October 1996. The ABS made some adjustments to 1996 Victorian data using new motor vehicle registrations. However, other classes of vehicles being re-registered were unable to be reliably estimated during processing of the 1996 data at that time. South Australian data were not collected for SA Federal Interstate Registration Scheme (FIRS) in 1996. These data mainly related to articulated truck registrations. Analysis of 1996 and 1997 data has suggested the total understatement to be approximately 153,900 in Victoria for all vehicles excluding motor cycles, plant and equipment, caravans and trailers. A further 1,200 articulated trucks were estimated as unreported in South Australia. Tables 1, 2 and 3 have been amended to include the estimated adjustments for Victoria and South Australia 1996 data.

The ABS estimate of these understatements can be broken down as follows:

<i>Type of vehicle</i>	<i>no.</i>
Passenger vehicles	126,800
Light commercial vehicles	19,000
Rigid trucks (total)	5,000
Articulated trucks (1,700 in Victoria, 1,200 in South Australia.)	2,900
Non-freight carrying trucks (including Campervans)	800
Buses	600
<i>Total</i>	<i>155,100</i>
<u>Motor cycles</u>	<u>7,371</u>

Tables 4, 6, 8, 10, 12, 14, 16, 19, 21, 23 and 27 do not contain data for 1996 as the estimated data for the classes of vehicles stated cannot be adjusted to the make level required in these tables.

7 Additional vehicle types have been included in this publication for the first time. Previously campervans were classified as 'Non-freight carrying trucks'. They have now been included as a separate category. Rigid trucks have been split into those with GVM 3.5 and less than 4.5 tonne, and those with GVM 4.5 tonne and over. These changes have been made to ensure consistency between census data and that produced by the Survey of Motor Vehicle Use (SMVU), and to make classifications consistent with NHVRS.

SCOPE AND COVERAGE

8 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.

9 The Motor Vehicle Census includes:

- vehicles registered for unrestricted use on public roads; and
- vehicles with diplomatic and consular plates and State and Commonwealth Government owned vehicles, other than those belonging to the defence services.

10 The Motor Vehicle Census excludes:

- recreational vehicles such as trail bikes and sand dune buggies intended for off-road use in most State 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);
- vehicles registered by the defence forces; and
- vehicles used solely on farms, in mines, etc. and not used on public roads.

RELATED PUBLICATIONS

11 Data on new motor vehicle registrations are available in the monthly publication *New Motor Vehicle Registrations* (Cat. no. 9301.0). Data on distance and area travelled, freight carried and other uses of motor vehicles is included in *Survey of Motor Vehicle Use, Australia* (Cat. no. 9202.0).

GLOSSARY

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

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

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 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. With or without a trailer the Gross Vehicle Mass (GVM) would be 4.5 tonne or more.

Attrition rate The estimated proportion of motor vehicles that have been taken off the register since the previous census. The attrition rate is also referred to as the motor vehicle retirement or scrappage rate. The number of scrapped vehicles is calculated by adding the total registrations as at the earlier census to the number of new registrations between the censuses, and subtracting the total registrations as at the later census. The attrition rate measures the percentage of vehicles scrapped as a percentage of the total potential vehicle fleet, where the potential vehicle fleet is the number of registrations at the first census date plus new registrations between the two censuses. To calculate the annualised attrition rate as a percentage apply the following formula:

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

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.

Aust. The total for all States and Territories.

Average vehicle age	<p>The estimated average age of registered motor vehicles in Australia. The age of a vehicle is defined as the number of years since it was first manufactured. The formula allows for the census being run on different days of the year.</p> <p>For vehicles manufactured in current year Vehicle age = Reference month/24</p> <p>For vehicles manufactured in previous years Vehicle age = current year–Year of manufacture + (reference month–6)/12</p> <p>The average age is then calculated as the sum of all vehicle ages divided by the total number of vehicles.</p>
Buses	Vehicles constructed for the carriage of passengers. Included are all passenger vehicles with 10 or more seats, including the driver's seat.
Campervans	Self-propelled 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. It is based on results from the Population Census and 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.
Federal Interstate Registration Scheme (FIRS)	A system for registering articulated trucks and trailers for interstate freight transport. It runs parallel with NHVRS.
Gross Combination Mass (GCM)	The weight measurement used for articulated trucks. It is calculated using the tare weight of the prime mover and attached trailer(s) and the maximum carrying capacity of the attached trailer(s).
Gross Vehicle Mass (GVM)	The weight measurement used for any goods carrying vehicle. It is calculated using the tare weight and the maximum carrying capacity of the vehicle excluding trailers.
Light commercial vehicles	Vehicles primarily constructed for the carriage of goods, and which are less than or equal to 3.5 tonne 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	Vehicles constructed primarily for the carriage of one or two people. Included are two and three wheeled mopeds, scooters, motor tricycles and motor cycles with side cars.
National Heavy Vehicle Registration Scheme (NHVRS)	A system of Australia-wide registration charges applying to all rigid and articulated trucks, buses and trailers over 4.5 tonne GVM. It replaces the previous state charges which differed between state jurisdictions. It has been introduced in all states.
Non-freight carrying trucks	A truck which does not have a goods carrying capacity and is constructed for a particular purpose with special equipment fitted. Included are vehicles such as ambulances, fire-trucks, mobile cranes, tow trucks and cherry pickers. This category now excludes campervans, which are published separately.
Passenger vehicles	Vehicles constructed primarily for the carriage of up to nine occupants (including the driver). 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, fire engines and tow trucks, all included with non-freight carrying trucks, and garbage trucks which are included in rigid trucks.
Population Census	The Population Census is a count of all people in Australia on census night (a specified night, once every five years) except foreign diplomats and their families and foreign crew members on ships. The objective of the Population Census is to measure the number and key characteristics of persons in Australia at a specific date.
Rigid trucks	Vehicles constructed primarily for load carrying, with GVM greater than 3.5 tonne. Included are normal rigid trucks with a tow bar, draw bar or other non-articulated coupling on the rear for use with a trailer or dolly. Rigid trucks are divided into: <ul style="list-style-type: none"> ■ Rigid trucks with GVM over 3.5 and less than 4.5 tonne; and ■ Rigid trucks with GVM 4.5 tonne and over. Vehicles with GVM not stated are included in the over 3.5 and less than 4.5 tonne category.

- Size of bus** Size of bus is based on GVM, registered seating capacity, or tare weight. Small buses are those with GVM of 5 tonne or less, medium buses have greater than 5 but less than or equal to 12 tonne GVM, and large buses have greater than 12 tonne 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 tonne. Medium buses have tare weight between 3.1 and 7 tonne. Large buses have greater than 7 tonne tare weight. If GVM, registered seating capacity and tare weight are all not reported then the bus is put into the not stated category.
- 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 (articulated) trailers not registered as part of an articulated combination, boat trailers, horse floats and similar vehicles.

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