

RE-RELEASED 11:30 AM FRI 2 AUG 1996

**MOTOR VEHICLE CENSUS
31 MAY 1995**

**W. McLennan
Australian Statistician**



AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 9309.0



© Commonwealth of Australia 1996

Produced by the Australian Government Publishing Service

CONTENTS

	Page
	1
Summary of findings	1
TABLES	
1 Motor vehicles on register by type of vehicle, State/Territory, Census years	6
2 Motor cycles, plant and equipment, caravans and trailers, State/Territory, Census years	7
3 Motor vehicles on register per 1,000 population, State/Territory, Census years	8
4 Estimated average age of the vehicle fleet, Census years	8
5 Estimated average age of the vehicle fleet by type of vehicle, State/Territory	9
6 Motor vehicles on register by type of vehicle and type of fuel, 30 June 1993 and 31 May 1995	9
7 Motor vehicles on register by type of vehicle and year of manufacture, State/Territory	10
8 Passenger vehicles on register by make of vehicle, Census years	12
9 Passenger vehicles on register by make of vehicle and year of manufacture	12
10 Light commercial vehicles on register by make of vehicle, Census years	13
11 Light commercial vehicles on register by make of vehicle and year of manufacture	13
12 Rigid trucks on register by make of vehicle, Census years	14
13 Rigid trucks on register by make of vehicle and year of manufacture	14
14 Rigid trucks on register by make of vehicle and gross vehicle mass	15
15 Articulated trucks on register by make of vehicle, Census years	15
16 Articulated trucks on register by make of vehicle and year of manufacture	15
17 Non-freight carrying trucks on register by make of vehicle, Census years	16
18 Non-freight carrying trucks on register by make of vehicle and year of manufacture	16
19 Buses on register by make of vehicle, Census years	17
20 Buses on register by make of vehicle and year of manufacture	17
21 Buses on register by make of vehicle and size of bus	17
22 Motor cycles on register by year of manufacture, State/Territory	18
23 Motor cycles on register by make of vehicle, Census years	18
24 Motor cycles on register by make of vehicle and year of manufacture	18
ADDITIONAL INFORMATION	
Explanatory notes	19
Glossary	21

INQUIRIES

- *for further information about statistics in this publication and the availability of related unpublished statistics*, contact Andrew Gibbs phone (06) 252 6992 or facsimile (06) 251 5324.
- *for information about other ABS statistics and services*, please refer to the back of this publication.

SUMMARY OF FINDINGS

TOTAL NUMBER OF VEHICLES ON REGISTER

The number of motor vehicles (excluding motor cycles, plant and equipment, caravans and trailers) on register in Australia at 31 May 1995 was 10,650,902. On a per annum basis this represents a net increase of 2.2% since the previous census at 30 June 1993. This growth rate was similar to that from 30 September 1991 to 30 June 1993 of 2.3% per annum. Although recent censuses have been conducted at about two-yearly intervals, the actual dates have not been the same. For this reason, all percentage movements in this publication have been converted to an annual basis (see Glossary for further details).

Total registrations by State/Territory

The number of registrations increased in all States and Territories, although the rate of increase varied. Percentage increases were highest in Queensland (4.6% p.a.) and the Northern Territory (3.9% p.a.). Victoria (0.2% p.a.) and Tasmania (1.3% p.a.) had the lowest rates of increase.

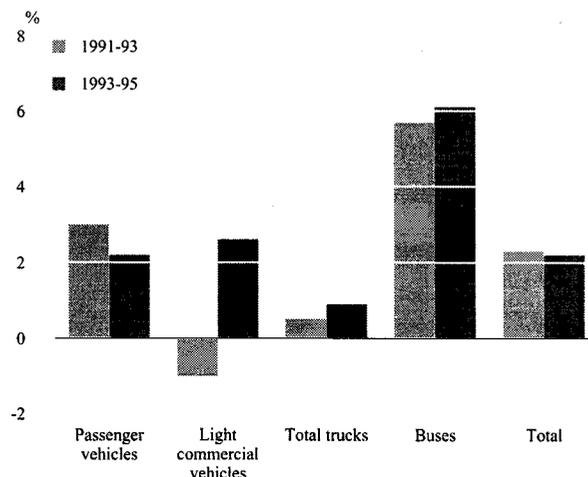
New registrations and the attrition rate

Although there was similar growth between the 1991 and 1993, and 1993 and 1995 censuses, the latter period had both a higher number of new registrations and a higher attrition rate. Between 30 September 1991 and 30 June 1993 there were 933,433 new registrations (approximately 44,449 per month). This compares to 1,153,358 (or 50,146 per month) between 30 June 1993 and 31 May 1995. However, during the 1991-93 period, 532,183 vehicles had registration lapses (25,342 per month), compared with 717,787 between 1993 and 1995 (31,208 per month). The attrition rates for the respective periods were 3.1% per annum and 3.5% per annum. See the Glossary for a definition of the attrition rate. See New Motor Vehicle Registrations, Australia (9301.0) for details of new registrations.

TYPE OF VEHICLE

The number of passenger vehicles increased by a similar percentage to the total vehicle fleet (2.2% p.a.). Increases occurred in each State and Territory and ranged from 4.7% per annum in Queensland to 0.2% per annum in Victoria. The vehicle types that increased the most in percentage terms were articulated trucks (5.6% p.a.) and buses (6.1% p.a.). Increases in articulated trucks occurred in all States and Territories, and were particularly large in Queensland and New South Wales (8.7% p.a. and 7.6% p.a., respectively). The number of buses in the Australian Capital Territory declined by 5.0% per annum,

ANNUAL PERCENTAGE CHANGE BY TYPE OF VEHICLE, 1991-95



but all States and the Northern Territory recorded increases. These increases were particularly large in the Northern Territory, Western Australia and New South Wales (19.0% p.a., 14.5% p.a. and 9.7% p.a., respectively). There was a small rise in rigid trucks (0.1% p.a.), while the number of non-freight carrying trucks also had a small rise (0.5% p.a.). After a small decline between the 1991 and 1993 censuses, the number of light commercial vehicles increased at a rate of 2.6% per annum.

Registrations of plant and equipment, and caravans both decreased (declining 0.5% p.a. and 0.3% p.a., respectively). The number of motor cycles increased by 1.4% per annum, with large increases in New South Wales and Queensland and a drop in registrations in Victoria. The number of trailers increased by 3.2% per annum.

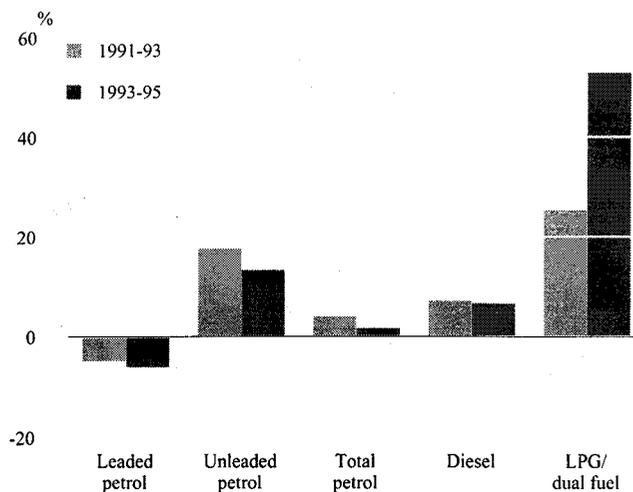
VEHICLES AND POPULATION

At 31 May 1995, there were 606 vehicles per 1,000 population, up from 595 as at 30 June 1993, an increase of 1.0% per annum. The rate of increase between the 1991 and 1993 censuses was also 1.0% per annum. Western Australia had the highest rate of vehicle ownership (679 vehicles per 1,000 population). The Northern Territory had the lowest (520 per 1,000 population), despite recording the highest percentage increase in the rate of ownership (2.4% p.a.). All States and Territories recorded increased rates of ownership except Victoria.

TYPE OF FUEL

The number of vehicles using leaded petrol still exceeds those using unleaded petrol. Since the 1993 census, the number of vehicles using unleaded petrol has increased at a rate of 13.3% per annum, while the number using leaded petrol decreased by 6.0% per annum. With the current rate of new vehicle registrations and attrition, the number of unleaded petrol powered vehicles would have been expected to overtake those using leaded petrol sometime in the first half of 1996. The number of LPG and/or dual fuel powered vehicles more than doubled from 60,574 to 136,734 between censuses, a rate of increase of 52.9% per annum, but remain a small proportion of the total vehicle fleet (0.6% in 1993 and 1.2% in 1995). The number of diesel-powered vehicles also increased at a faster rate than the overall fleet (6.7% p.a.). The growth in both these fuel types occurred across all vehicle types. Fewer trucks (rigid, articulated and non-freight carrying) are using petrol than at the previous census.

ANNUAL PERCENTAGE CHANGE IN TYPE OF FUEL USED, 1991-95

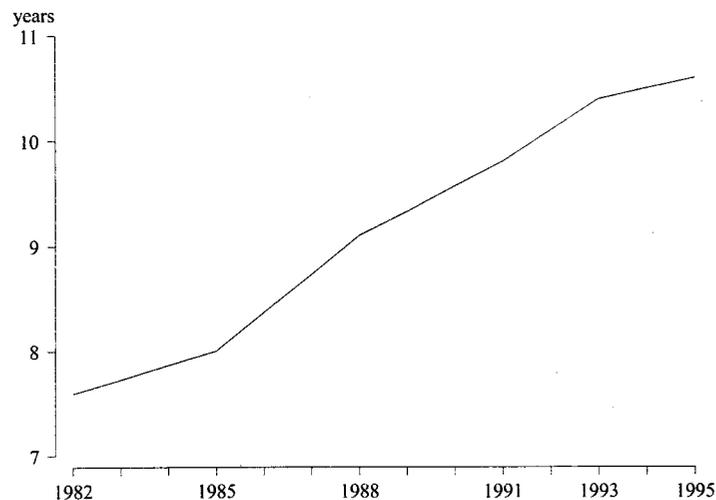


AVERAGE AGE OF VEHICLES

The average age of the vehicle fleet continued to increase, rising from 10.4 years as at 30 June 1993 to 10.6 years at 31 May 1995, a rate of increase of 1.0% per annum. However, this increase was not as large as occurred between the previous censuses (from 9.8 years to 10.4 years, or 3.5% p.a.). The States with the greatest average age of vehicles, Tasmania (average age 12.1 years), South Australia (11.8 years) and Victoria (11.2 years), also experienced the lowest growth in vehicles on register since the 1993 census. The Northern Territory (9.4 years), New South Wales (9.6 years) and the Australian Capital Territory (9.9 years) had the lowest average age of vehicles.

The oldest vehicle types were non-freight carrying trucks, with an average of 15.2 years, and rigid trucks (13.7 years). Buses (8.9 years) and motor cycles (10.0 years) had the lowest average ages. Passenger vehicles had an average age of 10.4 years.

AVERAGE AGE OF VEHICLE FLEET, CENSUS YEARS



YEAR OF MANUFACTURE

Further information about the ageing of the vehicle fleet can be found by analysing year of manufacture data. However, some care should be taken when analysing earlier years of manufacture as most of the vehicles in the 'not stated' categories have earlier years of manufacture. Also, collection (i.e. veteran and vintage) vehicles that are not registered for normal road use are not included in census counts. Queensland and Western Australia have the highest proportion of collection vehicles.

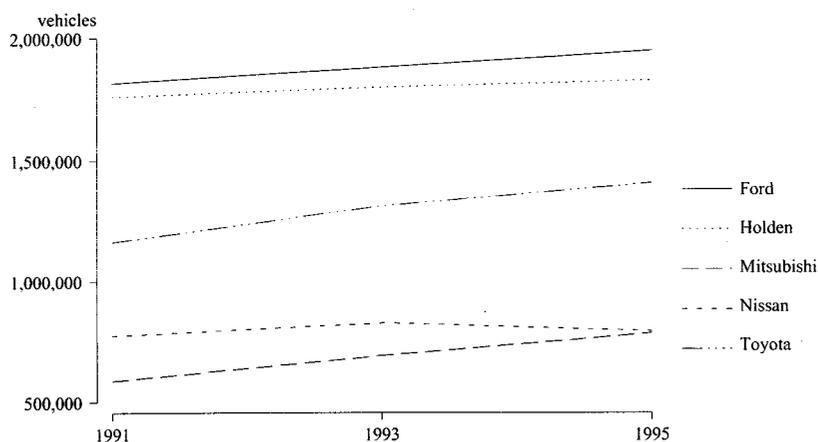
Looking at vehicles with later years of manufacture, across Australia 22.3% of vehicles with a reported year of manufacture were manufactured in 1991 or later. However, the pattern differs considerably at a State and Territory level. Tasmania (17.2%) and South Australia (17.8%) had the lowest percentage of vehicles in this group, while the Northern Territory (28.0%), the Australian Capital Territory (26.5%) and New South Wales (25.7%) had the highest. New South Wales, the Northern Territory and the Australian Capital Territory also have the highest percentages of vehicles manufactured from 1986, when manufacture and importing of vehicles using leaded petrol ceased in Australia. These are the only States and Territories that already have more unleaded petrol vehicles than leaded petrol vehicles.

MAKE OF VEHICLE

Passenger vehicles

In the passenger vehicle fleet, the percentage of total registrations of the top five manufacturers (Ford, Holden, Toyota, Nissan (including Datsun) and Mitsubishi) was almost unchanged from the previous census (78.6% in 1993 compared with 78.3% in 1995). Of these makes, Mitsubishi had the largest growth (6.8% p.a.), while there was a fall in the number of Nissans (down 2.2% p.a.). Other makes showing significant growth were Hyundai (37.4% p.a.), Suzuki (14.8% p.a.) and Daihatsu (13.3% p.a.). Another trend was the growth in some of the prestige makes such as BMW (10.5% p.a.) and Mercedes-Benz (2.9% p.a.).

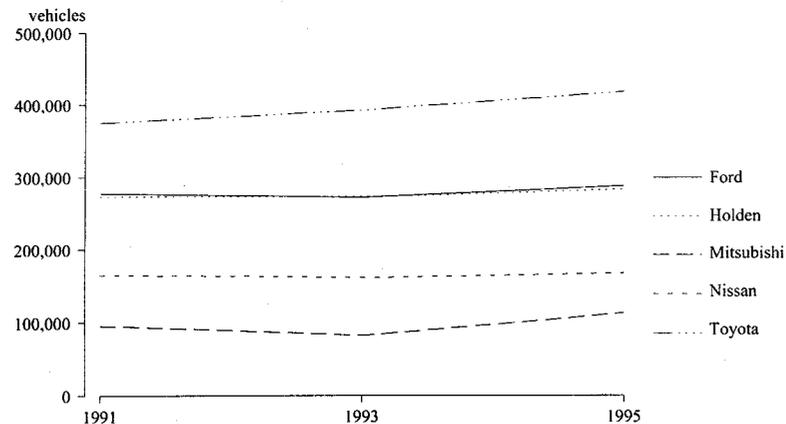
PASSENGER VEHICLES, TOP FIVE MAKES, 1991-95



Light commercial vehicles

Toyota consolidated their dominant position in the light commercial fleet with higher than average growth (5.7% p.a.). The manufacturers with the next highest number of registrations, Ford and Holden, had the same moderate rate of increase (1.9% p.a.). However, Mitsubishi had the highest growth of any of the major makes (9.4% p.a.). The only other significant makes to record increases since the last census were Mazda (3.8% p.a.) and Nissan (0.8% p.a.). These six makes combined, accounted for 88.1% of all light commercial vehicle registrations.

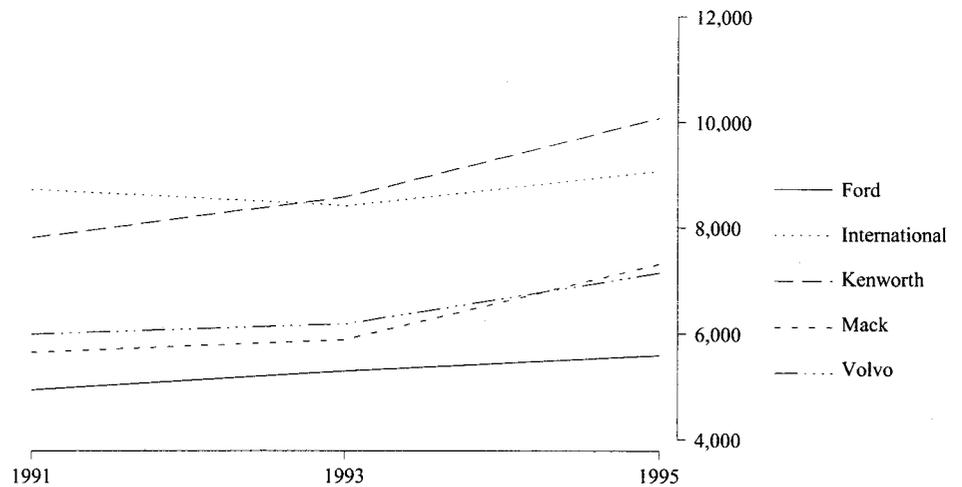
LIGHT COMMERCIAL VEHICLES, TOP FIVE MAKES, 1991-95



Rigid trucks There was an overall rise of 0.1% per annum in the number of rigid trucks since the last census, with several makes recording increases in registrations. These included Isuzu (6.3% p.a.), Hino (5.0% p.a.) and Mazda (2.7% p.a.). International had the highest number of registrations, despite a fall of 0.2% per annum since the 1993 census.

Articulated trucks There were significant increases in the number of articulated trucks for each of the top five makes — Kenworth (8.8% p.a.), International (4.1% p.a.), Mack (12.1% p.a.), Volvo (7.9% p.a.) and Ford (2.9% p.a.). Kenworth (10,082) and International (9,083) had the highest number of registrations.

ARTICULATED TRUCKS, TOP FIVE MAKES, 1991-95



Non-freight carrying trucks Non-freight carrying trucks comprise a variety of vehicle types such as campervans, ambulances, fire trucks and trucks with mounted machinery or cherry-pickers. Some are custom-made, while many are converted from light commercial vehicles, rigid trucks or buses. There was only a small growth in this type of vehicle since the last census. However, several makes had strong growth — Isuzu (14.7% p.a.), Hino (10.3% p.a.) and Mazda (9.7% p.a.). Toyota maintained the highest number of registrations and had growth of 2.8% per annum.

Buses There was a large growth in the number of buses (6.1% p.a.) since the last census. Toyota has 45.8% of the vehicles registered in this category, and dominated the small bus category (see Glossary for definitions of 'size of bus'). The number of Toyota buses increased at a rate of 14.4% per annum since the last census. Mercedes-Benz also had increased registrations (5.3% p.a.) and has the greatest number of vehicles in the large size category. Volvo, second to Mercedes-Benz in this category, also had an increase of 4.9% per annum. There was also a substantial increase in the number of MAN buses registered (7.6% p.a.).

Motor cycles The number of motor cycles increased at a rate of 1.4% per annum since the last census. The main manufacturers of motor cycles are all still active in the market, and have been for some time. The three top makes all had small declines in registrations — Honda (down 0.4% p.a.), Yamaha (down 0.7% p.a.) and Suzuki (down 1.7% p.a.). The makes with the highest increases were Harley Davidson (13.3% p.a.), Triumph (12.1% p.a.) and BMW (6.5% p.a.).

1

MOTOR VEHICLES ON REGISTER BY TYPE OF VEHICLE, STATE/TERRITORY, CENSUS YEARS

Year ¹	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PASSENGER VEHICLES									
1982 ²	<u>2 070 380</u>	<u>1 700 727</u>	<u>1 005 324</u>	<u>580 434</u>	<u>561 341</u>	<u>188 124</u>	<u>34 480</u>	<u>92 603</u>	<u>6 233 413</u>
1985	2 169 708	1 887 467	1 040 974	656 952	631 032	200 417	40 610	107 042	6 734 202
1988 ³	<u>2 258 708</u>	<u>2 042 794</u>	<u>1 131 135</u>	<u>681 505</u>	<u>679 111</u>	<u>210 991</u>	⁴ <u>35 668</u>	<u>118 895</u>	<u>7 158 807</u>
1991	2 486 022	2 199 140	1 248 096	730 783	782 593	223 724	52 956	r137 347	r7 860 661
1993	2 561 486	2 304 750	1 385 781	752 254	838 162	232 244	54 703	r150 028	r8 279 408
1995	2 684 847	2 315 310	1 513 291	777 249	885 527	237 129	58 880	156 573	8 628 806
LIGHT COMMERCIAL VEHICLES									
1982 ²	<u>320 182</u>	<u>173 666</u>	<u>267 514</u>	<u>71 540</u>	<u>112 702</u>	<u>33 099</u>	<u>16 338</u>	<u>7 947</u>	<u>1 002 988</u>
1985	⁵ <u>375 668</u>	<u>190 636</u>	<u>284 203</u>	<u>87 191</u>	<u>133 125</u>	<u>39 919</u>	<u>18 929</u>	<u>10 808</u>	<u>1 140 479</u>
1988 ³	<u>389 950</u>	<u>196 003</u>	<u>297 685</u>	<u>90 027</u>	<u>136 730</u>	<u>43 169</u>	⁴ <u>18 249</u>	<u>11 676</u>	<u>1 183 489</u>
1991	410 757	365 206	306 940	116 324	189 298	52 717	22 798	r15 192	r1 479 232
1993	405 832	358 848	311 895	109 187	175 945	54 873	20 490	r16 692	r1 453 762
1995	430 786	357 773	339 951	115 274	187 195	57 217	21 499	17 517	1 527 212
RIGID TRUCKS									
1982 ²	<u>155 171</u>	<u>146 862</u>	<u>55 074</u>	<u>41 524</u>	<u>59 576</u>	<u>12 798</u>	<u>4 525</u>	<u>3 458</u>	<u>478 988</u>
1985	165 476	181 026	56 746	48 049	67 573	16 057	5 339	3 456	543 722
1988 ³	<u>171 838</u>	<u>205 074</u>	<u>53 773</u>	<u>48 731</u>	<u>74 458</u>	<u>17 076</u>	⁴ <u>1 705</u>	<u>3 684</u>	<u>576 339</u>
1991	105 556	84 447	57 164	29 695	40 813	11 120	2 236	r2 216	r333 247
1993	102 293	87 325	60 982	26 863	42 336	11 291	2 497	r2 903	r336 490
1995	103 109	84 652	63 593	26 451	43 044	11 056	2 834	2 682	337 421
ARTICULATED TRUCKS									
1982 ²	<u>16 078</u>	<u>11 461</u>	<u>8 607</u>	<u>4 405</u>	<u>4 293</u>	<u>1 357</u>	<u>776</u>	<u>202</u>	<u>47 179</u>
1985	16 727	12 442	8 574	5 077	4 881	1 471	896	152	50 220
1988	14 881	13 696	8 368	4 066	5 056	1 570	⁴ 966	254	48 857
1991	14 750	14 358	8 949	4 829	5 829	1 562	1 151	r269	r51 697
1993	13 051	15 279	9 984	5 280	6 026	1 556	1 050	r272	r52 498
1995	15 028	16 516	11 710	5 309	6 748	1 646	1 069	296	58 322
NON-FREIGHT CARRYING TRUCKS									
1982 ²	<u>11 920</u>	<u>11 444</u>	<u>4 450</u>	<u>5 739</u>	<u>5 975</u>	<u>1 662</u>	<u>209</u>	<u>620</u>	<u>42 019</u>
1985	13 914	12 621	4 517	6 840	7 747	2 773	284	696	49 392
1988	14 218	13 445	5 354	7 409	8 724	3 202	⁴ 295	719	53 366
1991	10 468	11 238	5 896	6 479	8 679	3 247	190	r776	r46 973
1993	9 305	11 457	6 026	6 725	8 787	3 302	168	r798	r46 568
1995	9 461	11 289	6 681	6 398	8 606	3 479	276	781	46 971
BUSES									
1982 ²	<u>15 918</u>	<u>11 359</u>	<u>7 261</u>	<u>3 583</u>	<u>4 890</u>	<u>2 091</u>	<u>554</u>	<u>534</u>	<u>46 190</u>
1985	⁵ <u>43 171</u>	<u>13 283</u>	<u>10 245</u>	<u>3 605</u>	<u>6 235</u>	<u>1 710</u>	<u>746</u>	<u>1 094</u>	<u>80 089</u>
1988 ³	<u>54 107</u>	<u>14 255</u>	<u>10 498</u>	<u>2 972</u>	<u>7 499</u>	<u>1 914</u>	⁴ <u>704</u>	<u>1 212</u>	<u>93 161</u>
1991	9 748	11 508	8 390	3 140	6 112	1 859	656	r864	r42 277
1993	11 280	13 235	8 940	3 292	5 497	2 001	1 350	r1 016	r46 611
1995	13 473	13 770	9 328	3 525	7 125	2 145	1 883	921	52 170
TOTAL MOTOR VEHICLES (excl. motor cycles)									
1982 ²	<u>2 589 649</u>	<u>2 055 519</u>	<u>1 348 230</u>	<u>707 225</u>	<u>748 777</u>	<u>239 131</u>	<u>56 882</u>	<u>105 364</u>	<u>7 850 777</u>
1985	2 784 664	2 297 475	1 405 259	807 714	850 593	262 347	66 804	123 248	8 598 104
1988	2 903 702	2 485 267	1 506 813	834 710	911 578	277 922	⁴ 57 587	136 440	9 114 019
1991	3 037 301	2 685 897	1 635 435	891 250	1 033 324	294 229	79 987	r156 664	r9 814 087
1993	3 103 247	2 790 894	1 783 608	903 601	1 076 753	305 267	80 258	r171 709	r10 215 337
1995	3 256 704	2 799 310	1 944 554	934 206	1 138 245	312 672	86 441	178 770	10 650 902

¹ For years up to 1991, data are as at 30 September. The 1993 data are as at 30 June. The 1995 data are as at 31 May.

² The 1982 census excludes Commonwealth Government owned vehicles. Underlined numbers indicate a break in series.

³ Refer to paragraph 4 of the Explanatory Notes for details of vehicle type classification changes between the 1988 and 1991 censuses.

⁴ The 1988 data understated the number of vehicles on register in the Northern Territory.

⁵ In August 1983, the body type classification applied by the NSW registration authority for small bus type vehicles changed from panel vans to buses.

2

MOTOR CYCLES, PLANT AND EQUIPMENT, CARAVANS AND TRAILERS, STATE/TERRITORY, CENSUS YEARS

Year ¹	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
MOTOR CYCLES									
1982 ²	<u>118 496</u>	<u>71 666</u>	<u>91 783</u>	<u>36 818</u>	<u>34 628</u>	<u>5 126</u>	<u>3 982</u>	<u>4 379</u>	<u>366 878</u>
1985	115 819	78 790	74 093	40 981	36 959	6 354	4 324	4 305	361 625
1988	89 913	70 762	60 350	34 371	35 406	6 376	³ 3 064	3 746	303 988
1991	69 610	70 480	58 661	31 445	38 661	6 161	4 337	r4 791	r284 146
1993	69 168	73 817	63 581	29 220	37 707	6 603	3 902	r4 815	r288 813
1995	75 757	70 570	68 326	28 618	37 242	7 201	3 929	4 985	296 628
PLANT AND EQUIPMENT									
1982 ²	<u>22 948</u>	<u>60 303</u>	<u>34 681</u>	<u>5 795</u>	<u>27 981</u>	<u>6 870</u>	<u>1 268</u>	<u>237</u>	<u>160 083</u>
1985	23 681	64 347	32 316	7 028	28 559	6 865	1 372	792	164 960
1988	29 693	73 971	35 587	⁴ 6 786	32 794	7 702	³ 1 169	1 218	188 920
1991 ⁵	<u>24 830</u>	<u>75 510</u>	<u>30 397</u>	<u>6 586</u>	<u>32 021</u>	<u>8 158</u>	<u>735</u>	<u>995</u>	<u>r179 232</u>
1993	24 573	19 950	32 019	6 412	13 908	3 877	147	r1 283	r102 169
1995	24 058	19 583	30 656	6 573	14 836	4 218	273	998	101 195
CARAVANS									
1982 ²	<u>68 158</u>	<u>107 830</u>	<u>39 327</u>	<u>30 086</u>	<u>30 662</u>	<u>5 638</u>	<u>912</u>	<u>1 698</u>	<u>284 311</u>
1985	63 003	107 842	36 618	30 857	33 309	5 117	850	1 661	279 257
1988	59 738	105 573	37 022	32 566	35 077	5 391	³ 738	1 484	277 589
1991	55 617	99 762	36 541	31 025	36 414	5 288	1 003	r1 373	r267 023
1993	53 758	99 788	38 570	31 023	36 302	5 293	729	r1 393	r266 856
1995	55 331	94 864	40 394	30 813	36 627	5 291	681	1 373	265 374
TRAILERS									
1982 ²	<u>415 123</u>	<u>221 349</u>	<u>239 622</u>	<u>134 031</u>	<u>150 484</u>	<u>40 694</u>	<u>6 489</u>	<u>13 896</u>	<u>1 221 688</u>
1985	456 531	243 286	259 674	157 345	170 951	43 002	9 263	17 542	1 357 594
1988	473 457	273 853	283 594	170 937	185 200	52 015	³ 9 964	18 165	1 467 185
1991	482 795	301 433	307 632	189 520	203 657	55 516	14 282	r19 926	r1 574 761
1993	473 043	325 700	340 776	191 701	207 350	57 249	15 921	r21 834	r1 633 574
1995	505 582	334 428	375 436	201 092	219 625	60 774	16 366	22 570	1 735 873

¹ For years up to 1991, data are as at 30 September. The 1993 data are as at 30 June. The 1995 data are as at 31 May.

² The 1982 census excludes Commonwealth Government owned vehicles.

³ The 1988 data understated the number of vehicles on register for the Northern Territory.

⁴ After the 1988 census, procedures introduced to better identify out of scope vehicles reduced the number of plant and equipment registration in South Australia.

⁵ Some agricultural tractors classified as Plant and equipment up to and including the 1991 census, have subsequently been excluded from the scope of the census.

3

MOTOR VEHICLES ON REGISTER PER 1,000 POPULATION, STATE/TERRITORY, CENSUS YEARS

Year ¹	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust
PASSENGER VEHICLES									
1982 ²	<u>389</u>	<u>425</u>	<u>413</u>	<u>436</u>	<u>417</u>	<u>437</u>	<u>265</u>	<u>399</u>	<u>409</u>
1985	395	457	407	482	446	453	270	419	426
1988 ³	<u>395</u>	<u>478</u>	<u>409</u>	<u>483</u>	<u>436</u>	<u>470</u>	⁴ <u>228</u>	<u>434</u>	<u>431</u>
1991	420	496	419	504	476	479	318	r473	453
1993	427	r516	r445	r514	r500	493	r323	r502	r469
1995	439	514	462	527	511	501	339	515	478
ALL TRUCK TYPES									
1982 ²	<u>34</u>	<u>42</u>	<u>28</u>	<u>39</u>	<u>52</u>	<u>37</u>	<u>42</u>	<u>18</u>	<u>37</u>
1985	36	50	27	44	56	46	43	17	41
1988 ³	<u>35</u>	<u>54</u>	<u>24</u>	<u>43</u>	<u>57</u>	<u>49</u>	⁴ <u>19</u>	<u>17</u>	<u>41</u>
1991	22	25	24	28	34	34	21	r11	25
1993	21	26	25	27	34	34	22	r13	25
1995	21	25	25	26	34	34	24	12	25
LIGHT COMMERCIAL VEHICLES AND BUSES									
1982 ²	<u>63</u>	<u>46</u>	<u>112</u>	<u>56</u>	<u>87</u>	<u>82</u>	<u>128</u>	<u>36</u>	<u>69</u>
1985	76	49	114	66	98	94	131	47	77
1988 ³	<u>78</u>	<u>49</u>	<u>112</u>	<u>66</u>	<u>93</u>	<u>100</u>	⁴ <u>121</u>	<u>47</u>	<u>77</u>
1991	71	85	106	82	119	117	141	r55	88
1993	r69	83	r103	77	108	121	r129	r59	85
1995	73	83	107	81	112	125	134	61	87
MOTOR CYCLES									
1982 ²	<u>22</u>	<u>18</u>	<u>38</u>	<u>28</u>	<u>26</u>	<u>12</u>	<u>31</u>	<u>19</u>	<u>24</u>
1985	21	19	29	30	26	14	29	17	23
1988	16	17	22	24	23	14	⁴ 20	14	18
1991	12	16	20	22	24	13	26	17	16
1993	12	17	r20	20	r22	14	23	16	16
1995	12	16	21	19	22	15	23	16	16
TOTAL MOTOR VEHICLES									
1982 ²	<u>509</u>	<u>531</u>	<u>591</u>	<u>559</u>	<u>582</u>	<u>568</u>	<u>467</u>	<u>472</u>	<u>540</u>
1985	529	575	579	622	628	607	472	499	567
1988	524	598	567	616	608	634	⁴ 389	511	567
1991	525	622	569	637	653	643	507	r556	582
1993	529	642	r593	r638	r665	661	r497	r591	r595
1995	545	637	614	653	679	676	520	604	606

¹ For years up to 1991, registration data are as at 30 September. The 1993 registration data are as at 30 June. The 1995 registration data are as at 31 May 1995. Population data were as at the same date as registration data for every year except 1995, when it was as at 30 June 1995.

The 1993 population data has been changed from 31 March 1993 to 30 June 1993, which has resulted in some small revisions.

² Up to 1982, excludes Commonwealth Government owned vehicles.

³ Refer to paragraph 4 of the Explanatory Notes for details of vehicle type classifications between 1988 and 1991 censuses.

⁴ The 1988 data understated the number of vehicles on register for the Northern Territory.

Source of population data: *Estimated Resident Population* (3201.0).

4

ESTIMATED AVERAGE AGE OF THE VEHICLE FLEET¹, CENSUS YEARS

Year ²	Average fleet age (years)
1982	7.6
1985	8.0
1988	9.1
1991	9.8
1993	10.4
1995	10.6

¹ Excludes plant and equipment, caravans and trailers.

² For years up to 1991, registration data are as at 30 September. The 1993 registration data are as at 30 June. The 1995 registration data are as at 31 May 1995.

5 ESTIMATED AVERAGE AGE OF THE VEHICLE FLEET¹ BY TYPE OF VEHICLE, STATE/TERRITORY

Type of vehicle	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Passenger vehicles	9.4	10.9	10.2	11.6	10.5	11.9	9.3	9.9	10.4
Light commercial vehicles	10.2	12.0	10.9	12.1	11.1	12.4	9.7	10.0	11.1
Trucks									
Rigid	12.1	15.1	12.4	16.0	15.0	15.3	10.8	9.8	13.7
Articulated	10.7	11.6	10.7	10.2	12.5	10.2	10.8	8.8	11.1
Non-freight carrying	14.0	15.4	13.9	15.1	17.1	16.3	14.1	15.5	15.2
Buses	8.3	10.0	8.6	10.8	7.6	12.3	5.0	7.2	8.9
Motor cycles	9.5	9.8	10.6	² 9.3	10.7	10.3	8.5	9.6	10.0
Total	9.6	11.2	10.4	11.8	10.8	12.1	9.4	9.9	10.6

¹ Excludes plant and equipment, caravans and trailers.

² Year of manufacture is frequently not reported in South Australia for motor cycles manufactured before 1989.

6 MOTOR VEHICLES ON REGISTER BY TYPE OF VEHICLE AND FUEL TYPE, 30 JUNE 1993 AND 31 MAY 1995

Type of vehicle	Fuel type							Total
	Petrol			Diesel	LPG/ Dual fuel	Other/ not stated	Total	
	Leaded	Unleaded	Total					
	1993							
Passenger vehicles	r4 880 152	r3 137 234	r8 017 386	r155 449	43 088	r63 485	r8 279 408	
Light commercial vehicles	r779 911	r367 901	r1 147 812	r231 615	13 915	60 420	r1 453 762	
Trucks								
Rigid	r93 516	r7 312	r100 828	r214 425	2 546	r18 691	r336 490	
Articulated	2 446	431	2 877	r47 365	31	r2 225	r52 498	
Non-freight carrying	r28 193	r4 732	r32 925	r10 610	752	2 281	r46 568	
Buses	r7 664	r4 560	r12 224	r32 452	231	1 704	r46 611	
Motor cycles	r182 254	r106 479	r288 733	—	11	r69	r288 813	
Total	r5 974 136	r3 628 649	r9 602 785	r691 916	60 574	r148 875	r10 504 150	
	1995							
Passenger vehicles	4 318 382	3 992 531	8 310 913	175 641	98 369	43 883	8 628 806	
Light commercial vehicles	706 662	466 985	1 173 647	275 507	33 025	45 033	1 527 212	
Trucks								
Rigid	84 000	7 344	91 344	229 313	3 372	13 392	337 421	
Articulated	2 224	524	2 748	53 224	24	2 326	58 322	
Non-freight carrying	26 220	5 515	31 735	12 278	1 277	1 681	46 971	
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	

MOTOR VEHICLES ON REGISTER BY TYPE OF VEHICLE AND YEAR OF MANUFACTURE, STATE/TERRITORY

Year of manufacture	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PASSENGER VEHICLES									
To 1970	64 981	89 782	43 586	35 821	31 496	11 377	1 235	4 523	282 801
1971-78	298 692	380 477	204 630	148 037	135 282	49 320	6 755	22 901	1 246 094
1979-82	428 774	414 006	282 057	140 594	154 908	44 028	9 592	24 694	1 498 653
1983-86	570 914	493 881	321 966	166 589	182 259	49 891	12 638	32 149	1 830 287
1987-89	428 976	341 776	216 008	103 702	130 060	29 333	8 783	21 512	1 280 150
1990	172 363	126 180	88 429	40 663	43 727	10 808	3 335	9 147	494 652
1991	149 243	97 557	73 263	31 628	41 982	9 217	2 919	8 413	414 222
1992	154 556	99 456	78 333	32 286	46 903	9 615	3 460	8 934	433 543
1993	161 155	104 815	81 645	32 443	49 754	9 960	3 750	10 348	453 870
1994	182 750	116 951	90 340	34 436	50 995	10 558	4 572	10 572	501 174
1995	61 088	48 900	26 456	11 024	18 134	2 959	1 835	3 377	173 773
Not stated	11 355	1 529	6 578	26	27	63	6	3	19 587
Total	2 684 847	2 315 310	1 513 291	777 249	885 527	237 129	58 880	156 573	8 628 806
LIGHT COMMERCIAL VEHICLES									
To 1970	11 336	18 018	12 133	5 912	6 876	3 779	354	572	58 980
1971-78	65 355	75 978	60 954	25 842	38 216	13 332	2 853	2 744	285 274
1979-82	72 513	62 326	63 204	20 605	33 160	8 997	3 916	2 600	267 321
1983-86	87 352	79 066	64 087	23 315	35 013	11 902	4 964	3 632	309 331
1987-89	60 167	45 194	39 461	13 704	23 618	6 664	2 514	2 196	193 518
1990	26 906	16 133	17 631	5 893	8 225	2 716	1 132	983	79 619
1991	21 501	11 180	15 570	4 096	7 364	2 029	1 064	891	63 695
1992	23 950	12 601	18 675	4 505	9 162	2 411	1 264	1 097	73 665
1993	22 046	13 893	18 632	4 563	10 036	2 121	1 494	1 112	73 897
1994	27 678	16 434	21 845	5 180	11 252	2 443	1 500	1 366	87 698
1995	8 484	6 650	5 734	1 648	4 267	792	443	323	28 341
Not stated	3 498	300	2 025	11	6	31	1	1	5 873
Total	430 786	357 773	339 951	151 274	187 195	57 217	21 499	17 517	1 527 212
RIGID TRUCKS									
To 1970	7 353	13 490	4 289	4 925	6 331	1 389	73	48	37 898
1971-78	18 755	20 865	12 908	7 052	11 967	3 382	452	382	75 763
1979-82	17 796	13 247	12 337	4 067	6 964	1 904	520	371	57 206
1983-86	21 087	15 124	12 572	4 518	7 004	2 133	704	648	63 790
1987-89	15 486	9 919	8 112	2 462	4 709	1 101	387	450	42 626
1990	5 391	3 152	2 695	1 087	1 377	336	156	209	14 403
1991	3 393	1 778	1 994	603	961	191	122	130	9 172
1992	3 843	1 946	2 293	561	1 100	184	134	153	10 214
1993	3 450	1 954	2 425	458	1 110	160	119	138	9 814
1994	4 003	2 258	2 615	578	1 239	217	133	136	11 179
1995	890	794	568	133	279	41	32	17	2 754
Not stated	1 662	125	785	7	3	18	2	—	2 602
Total	103 109	84 652	63 593	26 451	43 044	11 056	2 834	2 682	337 421
ARTICULATED TRUCKS									
To 1970	656	833	392	102	273	27	25	—	2 308
1971-78	2 853	3 884	2 285	968	1 690	275	193	30	12 178
1979-82	2 174	2 555	2 001	855	1 464	241	230	50	9 570
1983-86	2 488	2 706	1 966	1 009	1 254	392	199	59	10 073
1987-89	2 340	2 662	1 794	852	953	303	155	61	9 120
1990	849	686	618	301	288	95	61	26	2 924
1991	414	361	322	200	112	49	27	5	1 490
1992	502	470	458	156	131	70	22	13	1 822
1993	739	765	624	275	224	79	48	23	2 777
1994	1 353	1 109	937	472	270	74	64	24	4 303
1995	348	464	288	117	89	41	45	5	1 397
Not stated	312	21	25	2	—	—	—	—	360
Total	15 028	16 516	11 710	5 309	6 748	1 646	1 069	296	58 322

<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	394	1 336	429	524	1 219	387	24	47	4 360
1971-78	3 416	3 696	2 106	2 510	3 617	1 423	80	350	17 198
1979-82	1 713	1 869	1 249	970	1 218	565	52	134	7 770
1983-86	1 692	2 004	1 219	1 036	1 277	594	36	116	7 974
1987-89	701	1 149	728	610	551	247	37	61	4 084
1990	231	322	231	218	192	72	11	24	1 301
1991	270	304	190	148	167	55	10	11	1 155
1992	174	251	197	125	170	63	12	13	1 005
1993	278	168	123	115	112	41	7	10	854
1994	374	123	168	91	73	27	5	13	874
1995	76	50	17	51	10	3	2	2	211
Not stated	142	17	24	—	—	2	—	—	185
Total	9 461	11 289	6 681	6 398	8 606	3 479	276	781	46 971
BUSES									
To 1970	249	522	167	113	273	196	9	7	1 536
1971-78	1 481	1 671	1 259	706	640	465	50	60	6 332
1979-82	1 478	2 133	1 098	507	478	276	100	64	6 134
1983-86	1 948	3 130	1 374	767	879	381	160	135	8 774
1987-89	2 237	2 264	1 494	487	1 090	322	277	250	8 421
1990	1 157	735	624	201	531	125	191	98	3 662
1991	1 057	691	626	146	745	89	176	80	3 610
1992	1 206	773	796	138	750	97	233	75	4 068
1993	1 090	695	767	151	746	82	320	78	3 929
1994	1 002	782	878	224	713	72	313	62	4 046
1995	298	372	235	85	280	40	54	12	1 376
Not stated	270	2	10	—	—	—	—	—	282
Total	13 473	13 770	9 328	3 525	7 125	2 145	1 883	921	52 170
TOTAL MOTOR VEHICLES (excl. motor cycles)									
To 1970	84 969	123 981	60 996	47 397	46 468	17 155	1 720	5 197	387 883
1971-78	390 552	486 571	284 142	185 115	191 412	68 197	10 383	26 467	1 642 839
1979-82	524 448	496 136	361 946	167 598	198 192	56 011	14 410	27 913	1 846 654
1983-86	685 481	595 911	403 184	197 234	227 686	65 293	18 701	36 739	2 230 229
1987-89	509 907	402 964	267 597	121 817	160 981	37 970	12 153	24 530	1 537 919
1990	206 897	147 208	110 228	48 363	54 340	14 152	4 886	10 487	596 561
1991	175 878	111 871	91 965	36 821	51 331	11 630	4 318	9 530	493 344
1992	184 231	115 497	100 752	37 771	58 216	12 440	5 125	10 285	524 317
1993	188 758	122 290	104 216	38 005	61 982	12 443	5 738	11 709	545 141
1994	217 160	137 657	116 783	40 981	64 542	13 391	6 587	12 173	609 274
1995	71 184	57 230	33 298	13 058	23 059	3 876	2 411	3 736	207 852
Not stated	17 239	1 994	9 447	46	36	114	9	4	28 889
Total	3 256 704	2 799 310	1 944 554	934 206	1 138 245	312 672	86 441	178 770	10 650 902

8

PASSENGER VEHICLES ON REGISTER BY MAKE OF VEHICLE, CENSUS YEARS¹

Make	1991	1993	1995
BMW	49 694	58 186	70 401
Chrysler	243 293	204 655	169 378
Daihatsu	60 499	87 449	111 117
Ford	r1 816 883	r1 880 260	1 946 343
Holden	r1 761 448	r1 799 232	1 826 559
Honda	165 920	183 396	202 096
Hyundai	32 458	55 229	101 581
Jaguar	23 840	23 532	23 918
Leyland	26 149	21 626	17 849
Mazda	r402 932	r419 499	427 904
Mercedes-Benz	78 407	82 975	87 661
Mitsubishi	r588 233	r692 128	785 708
Morris	28 673	22 485	17 841
Nissan (incl. Datsun)	r774 487	r826 173	791 538
Peugeot	27 972	27 886	30 578
Renault	26 080	22 294	19 360
Subaru	92 768	113 449	123 783
Suzuki	32 395	58 304	75 973
Toyota	r1 166 800	r1 311 877	1 407 215
Volkswagen	84 115	75 216	67 771
Volvo	92 932	93 430	93 753
Other/not stated	r284 683	r220 127	230 479
Total	r7 860 661	r8 279 408	8 628 806

¹ The 1991 data are as at 30 September. The 1993 data are as at 30 June. The 1995 data are as at 31 May.

9

PASSENGER VEHICLES ON REGISTER BY MAKE OF VEHICLE AND YEAR OF MANUFACTURE

Make	1978 and earlier	1979-1982	1983-1986	1987-1989	1990-1991	1992-1993	1994	1995	Not stated	Total
BMW	7 918	8 257	15 418	10 017	7 938	10 126	7 190	3 351	186	70 401
Chrysler	110 749	57 832	167	20	5	5	8	—	592	169 378
Daihatsu	260	7 648	15 806	12 652	28 089	30 419	12 088	4 004	151	111 117
Ford	270 169	322 913	475 048	336 370	204 028	194 160	102 185	37 937	3 533	1 946 343
Holden	408 776	357 052	353 389	251 841	160 220	158 450	99 518	32 240	5 073	1 826 559
Honda	25 628	34 454	33 251	37 043	25 153	24 773	15 974	5 471	349	202 096
Hyundai	3	10	2 021	16 180	17 399	28 841	23 979	13 108	40	101 581
Jaguar	12 556	2 845	3 988	2 967	582	396	255	191	138	23 918
Leyland	15 451	1 869	438	40	3	1	—	—	47	17 849
Mazda	75 413	106 229	98 105	35 373	38 197	42 698	22 073	9 162	654	427 904
Mercedes-Benz	33 944	13 231	15 136	9 859	4 062	5 965	3 551	1 535	378	87 661
Mitsubishi	3 367	121 428	209 617	158 596	95 195	118 108	62 088	16 389	920	785 708
Morris	17 277	52	4	1	2	—	—	—	505	17 841
Nissan (incl. Datsun)	145 046	168 558	170 789	132 262	101 436	47 789	17 562	6 304	1 792	791 538
Peugeot	9 893	5 869	5 583	2 021	1 025	1 944	2 865	1 270	108	30 578
Renault	10 943	3 074	3 132	315	182	769	709	201	35	19 360
Subaru	3 549	21 382	33 955	11 688	21 421	20 125	8 010	3 420	233	123 783
Suzuki	239	4 354	13 915	9 397	16 808	17 159	9 840	4 185	76	75 973
Toyota	195 429	212 785	330 332	219 258	170 450	162 852	91 941	21 815	2 353	1 407 215
Volkswagen	59 625	3 100	801	606	993	464	814	717	651	67 771
Volvo	27 766	22 956	19 736	10 110	4 188	4 498	2 989	1 339	171	93 753
Other/not stated	94 894	22 755	29 656	23 534	11 498	17 871	17 535	11 134	1 602	230 479
Total	1 528 895	1 498 653	1 830 287	1 280 150	908 874	887 413	501 174	173 773	19 587	8 628 806

10

LIGHT COMMERCIAL VEHICLES ON REGISTER BY MAKE OF VEHICLE, CENSUS YEARS¹

Make	1991	1993	1995
Chrysler	12 281	10 330	9 205
Daihatsu	r29 081	r27 537	25 126
Dodge	7 329	5 986	5 035
Ford	r271 985	r277 681	287 914
Holden	r273 164	r273 292	283 594
Land Rover	24 171	22 533	21 184
Leyland	9 281	7 801	6 622
Mazda	67 799	71 306	76 555
Mitsubishi	r82 158	r95 369	113 379
Nissan (incl. Datsun)	r160 680	r164 759	167 194
Subaru	22 908	22 803	22 497
Suzuki	r62 692	r49 332	44 015
Toyota	r391 614	r375 156	417 295
Volkswagen	r20 645	r16 973	16 922
Other/not stated	r43 444	r32 904	30 675
Total	r1 479 232	r1 453 762	1 527 212

¹ The 1991 data are as at 30 September. The 1993 data are as at 30 June. The 1995 data are as at 31 May.

11

LIGHT COMMERCIAL VEHICLES ON REGISTER BY MAKE OF VEHICLE AND YEAR OF MANUFACTURE

Make	1978 and earlier	1979-1982	1983-1986	1987-1989	1990-1991	1992-1993	1994	1995	Not stated	Total
Chrysler	8 167	993	7	2	—	—	—	1	35	9 205
Daihatsu	3 520	7 763	8 338	3 830	749	492	294	39	101	25 126
Dodge	4 878	100	4	—	1	—	—	—	52	5 035
Ford	58 956	47 790	58 867	50 890	27 897	21 049	16 393	5 149	923	287 914
Holden	123 846	54 091	27 940	11 155	21 408	23 624	14 887	5 305	1 338	283 594
Land Rover	17 393	2 020	301	93	15	450	405	205	302	21 184
Leyland	4 325	2 221	53	4	—	—	—	—	19	6 622
Mazda	9 101	13 921	21 473	7 865	6 783	8 835	6 230	2 167	180	76 555
Mitsubishi	59	13 258	25 737	20 673	19 048	21 361	9 383	3 669	191	113 379
Nissan (incl. Datsun)	24 559	34 480	44 806	28 764	14 589	11 505	6 282	1 710	499	167 194
Subaru	251	1 456	4 249	6 996	5 622	3 820	16	1	86	22 497
Suzuki	4 044	14 695	17 809	4 808	1 001	625	646	227	160	44 015
Toyota	57 423	68 213	93 905	57 196	44 910	54 000	31 209	9 025	1 414	417 295
Volkswagen	11 986	655	499	850	878	567	974	455	58	16 922
Other/not stated	15 746	5 665	5 343	392	413	1 234	979	388	515	30 675
Total	344 254	267 321	309 331	193 518	143 314	147 562	87 698	28 341	5 873	1 527 212

12

RIGID TRUCKS ON REGISTER BY MAKE OF VEHICLE, CENSUS YEARS¹

Make	1991	1993	1995
Bedford	r26 029	r22 288	19 255
Daihatsu	16 440	15 766	16 376
Dodge	r17 814	r15 758	14 274
Ford	r44 082	r46 084	45 026
Hino	r15 879	r17 879	19 633
International	r52 705	r49 952	49 734
Isuzu	39 433	41 332	46 488
Mazda	r13 914	r15 024	15 818
Mercedes Benz	r3 967	r4 380	4 671
Mitsubishi	r24 771	r26 433	30 146
Nissan (incl. Datsun)	8 988	9 285	7 899
Toyota	35 685	37 121	34 719
Volvo	r5 629	r6 193	6 070
Other/not stated	r27 911	r28 995	27 312
Total	r333 247	r336 490	337 421

¹ The 1991 data are as at 30 September. The 1993 data are as at 30 June. The 1995 data are as at 31 May.

13

RIGID TRUCKS ON REGISTER BY MAKE OF VEHICLE AND YEAR OF MANUFACTURE

Make	1978 and earlier	1979-1982	1983-1986	1987-1989	1990-1991	1992-1993	1994	1995	Not stated	Total
Bedford	18 045	873	14	9	1	—	—	—	313	19 255
Daihatsu	2 423	4 373	4 540	2 703	1 008	640	451	139	99	16 376
Dodge	13 404	714	4	—	1	—	—	—	151	14 274
Ford	15 912	8 749	8 996	5 229	2 651	1 807	1 111	238	333	45 026
Hino	934	3 382	6 305	3 516	2 184	1 965	1 024	227	96	19 633
International	29 599	9 440	3 858	2 851	1 224	1 072	888	166	636	49 734
Isuzu	1 982	7 469	12 615	9 109	5 830	5 596	2 924	758	205	46 488
Mazda	2 514	1 690	4 401	3 001	1 700	1 438	788	233	53	15 818
Mercedes Benz	1 353	629	1 170	580	408	338	147	23	23	4 671
Mitsubishi	103	4 035	8 401	6 921	4 435	3 899	1 880	337	135	30 146
Nissan (incl. Datsun)	2 162	1 448	2 574	1 331	252	55	10	8	59	7 899
Toyota	9 887	7 376	7 217	4 721	2 109	1 929	997	255	228	34 719
Volvo	1 503	1 269	1 228	873	553	328	196	88	32	6 070
Other/not stated	13 840	5 759	2 467	1 782	1 219	961	763	282	239	27 312
Total	113 661	57 206	63 790	42 626	23 575	20 028	11 179	2 754	2 602	337 421

14

RIGID TRUCKS ON REGISTER BY MAKE OF VEHICLE AND 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	794	2 752	3 982	4 772	3 676	2 575	316	189	199	19 255
Daihatsu	11 291	4 624	37	6	—	4	1	8	405	16 376
Dodge	1 082	3 080	2 842	1 771	3 370	1 520	387	95	127	14 274
Ford	11 167	7 126	7 451	2 885	4 002	4 964	1 203	4 477	1 751	45 026
Hino	38	61	1 327	6 564	2 379	7 831	282	978	173	19 633
International	1 192	1 963	4 566	5 672	7 145	14 032	4 717	10 009	438	49 734
Isuzu	6 601	6 522	7 423	11 968	2 998	8 641	435	1 412	488	46 488
Mazda	4 850	5 055	5 590	47	68	6	—	10	192	15 818
Mercedes Benz	37	34	81	169	217	1 440	615	2 012	66	4 671
Mitsubishi	5 113	7 478	464	5 349	1 706	7 555	367	1 819	295	30 146
Nissan (incl. Datsun)	2 318	1 270	331	1 261	105	954	350	1 128	182	7 899
Toyota	19 102	9 116	2 897	286	1 472	692	7	82	1 065	34 719
Volvo	5	—	—	2	10	625	765	4 612	51	6 070
Other/not stated	2 831	1 746	2 048	2 987	2 412	4 372	1 937	7 611	1 368	27 312
Total	66 421	50 827	39 039	43 739	29 560	55 211	11 382	34 442	6 800	337 421

15

ARTICULATED TRUCKS ON REGISTER BY MAKE OF VEHICLE, CENSUS YEARS¹

Make	1991	1993	1995
Atkinson	1 162	1 093	1 029
Ford	4 938	5 298	5 597
International	8 718	8 404	9 083
Kenworth	r7 813	r8 573	10 082
Mack	5 657	5 886	7 323
Mercedes Benz	4 929	4 712	4 813
Mitsubishi	745	737	678
Nissan UD (diesel)	1 186	1 725	1 796
Scania	r3 403	r3 615	3 976
Volvo	r5 991	r6 185	7 152
White	1 535	1 494	1 426
Other/not stated	r5 620	r4 776	5 367
Total	51 697	52 498	58 322

¹ The 1991 data are as at 30 September. The 1993 data are as at 30 June. The 1995 data are as at 31 May.

16

ARTICULATED TRUCKS ON REGISTER BY MAKE OF VEHICLE AND YEAR OF MANUFACTURE

Make	1978 and earlier	1979- 1982	1983- 1986	1987- 1989	1990- 1991	1992- 1993	1994	1995	Not stated	Total
Atkinson	532	226	218	45	—	—	—	—	8	1 029
Ford	796	862	1 195	1 154	451	519	441	151	28	5 597
Freightliner	—	1	—	51	163	322	254	107	1	899
International	2 477	1 964	1 428	1 226	531	590	632	156	79	9 083
Kenworth	2 185	1 729	1 665	1 727	600	1 016	827	286	47	10 082
Mack	1 674	1 189	1 146	1 288	564	489	724	221	28	7 323
Mercedes Benz	2 120	550	926	508	211	250	164	38	46	4 813
Mitsubishi	5	25	255	230	89	38	26	7	3	678
Nissan UD (diesel)	407	393	413	268	173	69	50	17	6	1 796
Scania	391	493	1 091	841	508	341	206	79	26	3 976
Volvo	1 444	1 085	1 121	1 262	871	654	509	168	38	7 152
Western Star	1	1	187	321	186	239	432	136	8	1 511
White	743	669	4	1	—	—	—	—	9	1 426
Other/not stated	1 711	383	424	198	67	72	38	31	33	2 957
Total	14 486	9 570	10 073	9 120	4 414	4 599	4 303	1 397	360	58 322

17

NON-FREIGHT CARRYING TRUCKS ON REGISTER BY MAKE OF VEHICLE, CENSUS YEARS¹

Make	1991	1993	1995
Bedford	2 580	2 604	2 565
Ford	r7 018	r6 750	6 878
Hino	850	1 022	1 233
Holden	677	661	744
International	r3 280	r2 761	2 593
Isuzu	1 031	1 157	1 504
Mazda	1 541	2 073	2 476
Nissan (incl. Datsun)	2 882	3 982	3 940
Toyota	r9 300	r11 150	11 754
Volkswagen	8 056	8 725	7 974
Other/not stated	r9 758	r5 683	5 310
Total	r46 973	r46 568	46 971

¹ The 1991 data are as at 30 September. The 1993 data are as at 30 June. The 1995 data are as at 31 May.

18

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

Make	1978 and earlier	1979-1982	1983-1986	1987-1989	1990-1991	1992-1993	1994	1995	Not stated	Total
Bedford	2 379	164	9	1	—	1	1	—	10	2 565
Ford	2 280	1 098	1 166	724	743	566	249	24	28	6 878
Hino	99	48	321	334	223	141	41	22	4	1 233
Holden	363	125	61	25	21	48	92	4	5	744
International	1 578	533	275	120	43	21	13	5	5	2 593
Isuzu	68	166	337	445	134	217	104	30	3	1 504
Mazda	284	384	895	393	228	188	64	30	10	2 476
Nissan (incl. Datsun)	1 220	825	1 309	412	101	50	9	—	14	3 940
Toyota	3 212	3 462	2 713	1 048	642	400	171	63	43	11 754
Volkswagen	7 237	306	165	119	84	12	10	11	30	7 974
Other/not stated	2 838	659	723	463	237	215	120	22	33	5 310
Total	21 558	7 770	7 974	4 084	2 456	1 859	874	211	185	46 971

19

BUSES ON REGISTER BY MAKE OF VEHICLE, CENSUS YEARS¹

Make	1991	1993	1995
Bedford	r3 850	r3 252	2 923
Denning	789	1 070	1 085
Hino	r2 222	r2 554	2 793
Leyland	r2 894	r2 591	2 135
MAN	r1 084	r1 287	1 480
Mazda	r2 659	r2 572	2 508
Mercedes Benz	r3 567	r4 038	4 456
Nissan (incl. Datsun)	r4 588	r3 027	2 877
Renault	526	604	643
Scania	471	598	834
Toyota	r12 373	r18 490	23 917
Volvo	r2 108	r2 326	2 551
Other/not stated	r5 146	r4 202	3 968
Total	42 277	46 611	52 170

¹ The 1991 data are as at 30 September. The 1993 data are as at 30 June. The 1995 data are as at 31 May.

20

BUSES ON REGISTER BY MAKE OF VEHICLE AND YEAR OF MANUFACTURE

Make	1978 and earlier	1979-1982	1983-1986	1987-1989	1990-1991	1992-1993	1994	1995	Not stated	Total
Bedford	2 326	562	8	1	4	—	—	—	22	2 923
Denning	252	254	286	200	48	25	5	2	13	1 085
Hino	364	443	590	450	284	398	159	63	42	2 793
Leyland	1 315	337	282	118	32	1	—	—	50	2 135
MAN	147	387	303	279	93	109	104	56	2	1 480
Mazda	113	314	823	486	327	327	89	19	10	2 508
Mercedes Benz	539	844	1 190	779	278	431	281	79	35	4 456
Nissan (incl. Datsun)	288	298	803	536	410	345	128	61	8	2 877
Renault	—	—	100	284	154	75	28	2	—	643
Scania	3	2	151	187	116	189	150	24	12	834
Toyota	747	1 628	2 942	4 059	5 063	5 575	2 867	988	48	23 917
Volvo	660	446	509	368	196	227	100	31	14	2 551
Other/not stated	1 114	619	787	674	267	295	135	51	26	3 968
Total	7 868	6 134	8 774	8 421	7 272	7 997	4 046	1 376	282	52 170

21

BUSES ON REGISTER BY MAKE OF VEHICLE AND SIZE OF BUS¹

Make	Small	Medium	Large	Not stated	Total
Bedford	93	2 000	824	6	2 923
Denning	4	32	1 049	—	1 085
Hino	31	1 172	1 589	1	2 793
Leyland	40	361	1 734	—	2 135
MAN	4	116	1 357	3	1 480
Mazda	2 327	144	11	26	2 508
Mercedes Benz	13	308	4 134	1	4 456
Nissan (incl. Datsun)	1 977	688	186	26	2 877
Renault	—	—	643	—	643
Scania	—	19	815	—	834
Toyota	22 040	1 699	36	142	23 917
Volvo	—	129	2 418	4	2 551
Other/not stated	656	1 065	2 236	11	3 968
Total	27 185	7 733	17 032	220	52 170

¹ For definition of 'size of bus' see the Glossary.

22

MOTOR CYCLES ON REGISTER BY YEAR OF MANUFACTURE, STATE/TERRITORY

Year of manufacture	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
To 1970	1 632	1 859	2 110	671	1 691	176	58	84	8 281
1971-78	6 286	6 239	7 669	1 130	4 085	768	224	415	26 816
1979-82	15 101	13 609	14 871	1 328	7 353	1 386	630	1 054	55 332
1983-86	17 742	17 646	15 418	1 347	8 315	2 001	946	1 232	64 647
1987-89	10 044	8 702	9 534	883	5 396	826	653	697	36 735
1990	4 109	3 644	3 632	854	1 860	337	238	257	14 931
1991	4 980	3 670	3 822	1 223	2 101	399	233	288	16 716
1992	3 799	3 776	3 388	1 194	1 890	351	260	258	14 916
1993	4 949	4 025	3 541	1 345	2 033	504	320	291	17 008
1994	5 259	4 679	3 464	1 190	2 039	396	294	328	17 649
1995	1 304	2 306	665	280	477	56	71	81	5 240
Not stated	552	415	212	17 173	2	1	2	—	18 357
Total	75 757	70 570	68 326	28 618	37 242	7 201	3 929	4 985	296 628

23

MOTOR CYCLES ON REGISTER BY MAKE OF VEHICLE, CENSUS YEARS¹

Make	1991	1993	1995
BMW	9 653	10 403	11 740
Ducati	4 042	4 358	5 130
Harley Davidson	15 011	19 586	24 889
Honda	89 898	87 120	86 456
Kawasaki	37 412	39 273	40 874
Suzuki	r49 350	r48 387	46 843
Triumph	3 526	3 831	4 772
Yamaha	65 328	65 591	64 776
Other/not stated	r9 926	r10 264	11 148
Total	r284 146	r288 813	296 628

¹ The 1991 data are as at 30 September. The 1993 data are as at 30 June. The 1995 data are as at 31 May.

24

MOTOR CYCLES ON REGISTER BY MAKE OF VEHICLE AND YEAR OF MANUFACTURE

Make	1978 and earlier	1979-1982	1983-1986	1987-1989	1990-1991	1992-1993	1994	1995	Not stated	Total
BMW	1 688	1 390	3 956	1 173	787	1 115	770	280	581	11 740
Ducati	1 287	1 214	691	366	336	478	377	84	297	5 130
Harley Davidson	4 521	2 112	2 700	2 935	3 350	4 494	2 965	1 056	756	24 889
Honda	8 873	17 702	20 725	9 968	6 533	9 888	5 450	1 561	5 756	86 456
Kawasaki	2 918	6 264	9 424	6 287	5 857	4 872	2 352	704	2 196	40 874
Suzuki	2 870	11 622	11 990	5 917	6 009	4 125	1 015	349	2 946	46 843
Triumph	3 108	528	87	29	—	285	306	223	206	4 772
Yamaha	4 670	13 514	13 791	9 209	8 096	5 884	3 768	742	5 102	64 776
Other/not stated	5 162	986	1 283	851	679	783	646	241	517	11 148
Total	35 097	55 332	64 647	36 735	31 647	31 924	17 649	5 240	18 357	296 628

EXPLANATORY NOTES

MOTOR VEHICLE CENSUS

1 This publication contains statistics relating to vehicles which were on register at 31 May 1995 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 have been defined as those vehicles for which registration was effective for a period including 31 May 1995, 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 Since 1991, the ABS has used the third Australian Design Rule body coding classification categories for light and heavy commercial vehicles in the revised ABS vehicle classification system. Under the classification rules, only goods carrying vehicles with a Gross Vehicle Mass (GVM) over 3.5 tonnes are classified as rigid or articulated trucks. Goods carrying vehicles with a GVM of 3.5 tonnes and under are coded as light commercial vehicles (utilities, panel vans, forward-control vehicles, etc.). Prior to 1991, any vehicle recorded by a motor registry as a truck was classified accordingly by the ABS. As a result of this classification change, there was a large increase in the number of registered light commercial vehicles in some States and Territories, with a corresponding fall in the number of rigid trucks. The classification rules for buses also changed for the 1991 census, so that only passenger vehicles with 10 or more seats, including the driver's seat, are classified as buses. The result of this change was a reduction in the statistics of registered buses, and an increase in the registration statistics of passenger vehicles.

SCOPE AND COVERAGE

6 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.

7 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.

8 The Motor Vehicle Census excludes:

- 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 in certain States and Territories (the extent to which these vehicles are excluded varies between the States and Territories);
- Commonwealth Government vehicles prior to 1985;
- vehicles used solely on farms, in mines, etc. and not used on public roads; and
- from 1993, some agricultural tractors, which were previously classified with Plant and Equipment.

RELATED PUBLICATIONS

9 Data on new motor vehicle registrations are available in the monthly publication *New Motor Vehicle Registrations (9301.0)*.

SYMBOLS AND OTHER USAGES

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

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 10% results in a figure increasing by 21% over two years. The formula for calculating annual percentage change is:

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

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 3.5 tonnes 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. It is calculated by adding the total registrations at the earlier census to the number of new registrations between the censuses, and subtracting the total registrations as at the later census. It can then be calculated as a percentage rate by dividing this number into the total registrations at the earlier census, and then annualising the result.

Aust. The total for all States and Territories.

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. Average age is based on the year of manufacture only, the month is not used.

Buses Vehicles constructed for the carriage of passengers. Included are all passenger vehicles with 10 or more seats, including the driver's seat.

Caravans Non-powered vehicles that are towed behind another vehicle and which are primarily used for accommodation purposes. 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.

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 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, Toyota.
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.
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, campervans, fire-trucks, mobile cranes, tow trucks and cherry pickers.
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), excluding passenger vehicles, motor cycles, light commercial vehicles, buses and all 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 tonnes. Included are normal rigid trucks with a tow bar, draw bar or other non-articulated coupling on the rear for use with a trailer or dolly.
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 between 3.1 and 7 tonnes.

Large buses have greater than 7 tonnes 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.
- Type of vehicle** Classification of vehicles by the function that they have in common. For example, passenger vehicles, light commercial vehicles, rigid trucks, buses and motor cycles.

~~24-87 123~~