

**MOTOR VEHICLE CENSUS**

AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) THURS 28 JUL 2011

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

NOTES

ABOUT THIS PUBLICATION

This publication presents statistics relating to vehicles which were registered at 31 January 2011 with a motor vehicle registration authority. Motor vehicle registration statistics reflect the information as recorded in registration documents.

Statistics are provided on vehicle types comprising passenger vehicles, campervans, light commercial vehicles, trucks, buses and motorcycles. Vehicle characteristic information includes make of vehicle, year of manufacture, type of fuel that the vehicle was registered as using, and Gross Vehicle Mass or Gross Combination Mass for trucks. The size of the motor vehicle fleet is also compared with the estimated resident population.

CHANGES TO THIS PUBLICATION

Change in reference period for 2011

The 2011 Motor Vehicle Census (MVC) was conducted on 31 January 2011. Over recent years, censuses have been conducted on an annual basis at 31 March with the latest occurring in 2010, ten months before the current Motor Vehicle Census. For ease of comparison with data in previous years, all percentage movements in this publication have been converted to an annual basis. The process for deriving this annual percentage change is explained in the Glossary.



ABBREVIATIONS

ABS	Australian Bureau of Statistics
ACT	Australian Capital Territory
Aust.	Australia
ERP	estimated resident population
GCM	gross combination mass
GVM	gross vehicle mass
LPG	liquefied petroleum gas
MVC	Motor Vehicle Census
NMVS	new motor vehicle sales
NSW	New South Wales
NT	Northern Territory
Qld	Queensland
SA	South Australia
Tas.	Tasmania
Vic.	Victoria
WA	Western Australia

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SUMMARY OF FINDINGS

TOTAL NUMBER OF VEHICLES ON REGISTER

There were 16.4 million motor vehicles, including Motor cycles, registered in Australia for the 2011 Motor Vehicle Census (MVC). On an annual basis this is 2.3% higher than the number of registrations from 2010 and an increase of 14.5% since 2006, when there were 14.4 million vehicles registered in Australia. The average annual growth over this five-year period was 2.7%.

TYPE OF VEHICLE—Census years 2006, 2010 and 2011

	2006	2010	2011	Change 06/11	Change 10/11	Average annual growth 06/11
	no.	no.	no.	%	%	%
Passenger vehicles	11 188 880	12 269 305	12 474 044	11.9	2.0	2.3
Campervans	41 520	48 504	50 653	22.8	5.3	4.2
Light commercial vehicles	2 114 333	2 460 568	2 530 630	20.4	3.4	3.8
Light rigid trucks	95 452	115 845	119 539	26.2	3.8	4.8
Heavy rigid trucks	288 094	315 433	318 223	10.8	1.1	2.1
Articulated trucks	71 680	82 436	85 965	20.7	5.2	3.8
Non-freight carrying trucks	20 293	22 533	22 656	12.1	0.7	2.3
Buses	75 375	86 367	87 883	17.2	2.1	3.2
Motor cycles	463 057	660 107	678 790	48.5	3.4	8.2
Total motor vehicles	14 358 684	16 061 098	16 368 383	14.5	2.3	2.7

In the 5 years between the 2006 and 2011 MVC, the Passenger vehicle fleet has grown by 11.9% from 11.2 million to 12.5 million. Light rigid trucks and Motor cycles were the vehicle types showing the largest growth over this time, with increases of 26.2% and 48.5% respectively. Heavy rigid trucks had the smallest increase of 10.8% over the same period.

STATES AND TERRITORIES

New South Wales had the largest share of the Australian fleet in the 2011 MVC with 4.8 million vehicles or 29.2% of all registered vehicles. Victoria had the second largest share with 4.2 million (25.6%) followed by Queensland with 3.4 million vehicles (20.8%). The Northern Territory had the smallest share with 0.1 million (0.8%) registered vehicles. These shares are comparable with the distribution of the population across states and territories.

SUMMARY OF FINDINGS *continued*

STATES AND TERRITORIES
continued

STATE OF REGISTRATION—Census years 2006, 2010 and 2011

	2006	2010	2011	Change 06/11(a)	Change 10/11(a)	Average annual growth 06/11(a)
	no.	no.	no.	%	%	%
New South Wales	4 268 631	4 681 471	4 778 421	12.4	2.5	2.4
Victoria	3 740 726	4 112 908	4 198 371	12.7	2.5	2.4
Queensland	2 897 867	3 358 221	3 401 932	18.0	1.6	3.4
South Australia	1 137 957	1 239 672	1 261 925	11.3	2.2	2.2
Western Australia	1 600 566	1 870 068	1 912 739	20.2	2.7	3.8
Tasmania(b)	374 846	410 210	419 009	12.2	2.6	2.3
Northern Territory	114 015	134 700	137 082	21.0	2.1	3.9
Australian Capital Territory(c)	224 076	253 848	258 904	16.1	2.4	3.0
Australia	14 358 684	16 061 098	16 368 383	14.5	2.3	2.7

(a) Percentage change movements have been converted to an annual basis. See Glossary for further information.

(b) Excludes vehicles with registration expiry less than one month before the census date.

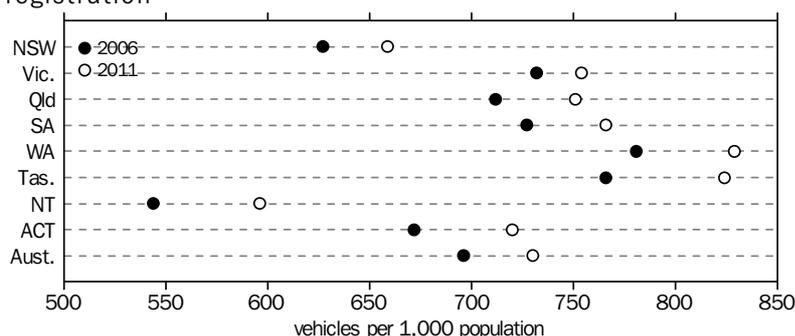
(c) See Technical Note ACT Data regarding 2006 data.

VEHICLES AND RESIDENT
POPULATION

In Australia there were 730 motor vehicles per 1,000 resident population in the 2011 MVC. This compares with 696 vehicles per 1,000 residents in 2006, an increase of 34 vehicles per 1,000 residents over this time.

Western Australia had the highest rate of all states and territories with 829 vehicles per 1,000 residents in 2011, while the Northern Territory had the lowest rate with 596 vehicles per 1,000 residents. New South Wales, which had the largest vehicle fleet at 31 January 2011 and the largest population at 30 September 2010, averaged 659 vehicles per 1,000 residents, the second lowest of all states or territories.

MOTOR VEHICLE FLEET BY POPULATION(a), State/territory of registration



(a) 2006 MVC and ERP data are at 31 March. 2011 MVC data are at 31 January and ERP data are at 30 September 2010.

Source: ABS Australian Demographic Statistics (cat. no. 3101.0)

SUMMARY OF FINDINGS *continued*

AVERAGE AGE OF THE FLEET

For 2011, the average age of all vehicles registered in Australia was 10.0 years for the second consecutive MVC. This is slightly newer than the 10.1 years recorded in 2006. Over this five-year period, all vehicle types except Passenger vehicles, Articulated trucks and Buses recorded a decrease in the average age. Campervans showed the largest decrease in average age, by 1.1 years, followed by Light commercial vehicles, Heavy rigid trucks and Motor cycles which all decreased by 0.4 years. Articulated trucks increased by 0.1 years over this five-year period.

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



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

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

TYPE OF FUEL

For the 2011 MVC, 13.4 million vehicles in Australia (82.1% of the total vehicle fleet) were registered with a petrol fuel type. This compares with the 12.5 million vehicles registered in 2006, when 87.1% of registrations were in this category.

The number of vehicles registered with diesel fuel in 2011 accounted for 14.7% (or 2.4 million vehicles) of the total fleet compared with 10.6% of vehicles in 2006.

Greater numbers of Passenger vehicles and Light commercial vehicles registered with diesel fuel were the major contributors to this increase. While the number of Passenger vehicle registrations increased by 11.9% between the 2006 and 2011, the number of Passenger vehicles registered with diesel fuel increased by 102.2%.

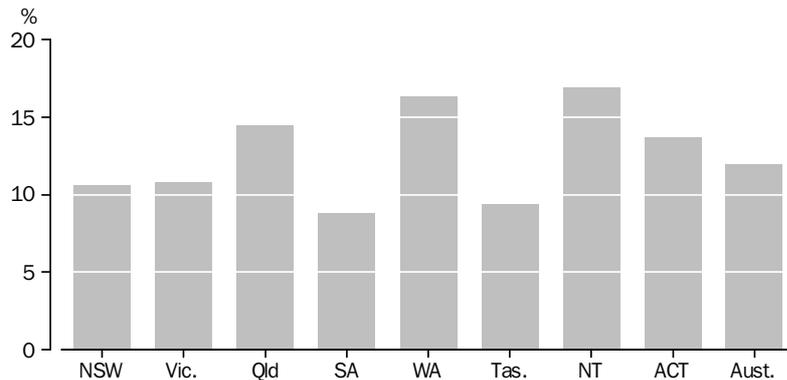
Over the same period Light commercial vehicle registrations in 2011 with diesel fuel have increased by 67.4%.

SUMMARY OF FINDINGS *continued*

CHARACTERISTICS OF THE FLEET

Passenger vehicles accounted for 76.2% of all vehicles registered in Australia for the 2011 MVC, down from 77.9% in 2006. All states and territories have recorded decreases in the proportion of Passenger vehicles over this time. This decrease has been offset by increases in the proportion of Light commercial vehicles and Motor cycles in all states and territories.

PASSENGER VEHICLE REGISTRATIONS (a), Percent change—Census years 2006 and 2011



(a) Percentage change movements have been converted to an annual basis. See Glossary for further information.

Light commercial vehicles accounted for 15.5% of all vehicles registered in Australia for 2011, the second highest proportion behind passenger vehicles. Since 2006, Queensland had largest percentage growth (26.6%), followed by the Australian Capital Territory (26.5%) and Western Australia (26.1%). New South Wales had the smallest growth (15.4%).

Motor cycles accounted for 4.1% of all vehicles registered in Australia for the 2011 MVC, up from 3.2% in 2006. Western Australia recording the largest percentage increase (69.5%), followed by the Australian Capital Territory (53.9%).

Rigid trucks accounted for 2.7% of the total number of vehicles registered in 2011 and 2006. Registrations of Rigid trucks with a gross vehicle mass (GVM) greater than 20 tonnes have increased by 26.2% since 2006, while registrations of Rigid trucks with a GVM of 20 tonnes or less have increased by 12.1% over the same period.

For the 2011 MVC, Articulated trucks only accounted for 0.5% of the total number of registered vehicles in Australia. From 2006 to 2011, the number of registrations of Articulated trucks with a GCM over 20 to 40 tonnes has decreased by 21.7%, while the number of Articulated trucks with GCM over 60 to 100 tonnes and greater than 100 tonnes has increased by 44.5% and 51.8% respectively.

MOTOR VEHICLES ON REGISTER, Type of vehicles—Census years

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania(a)	Northern Territory	Australian Capital Territory(b)	Australia
	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
2006	3 395 905	2 997 856	2 138 364	915 059	1 205 266	271 365	73 302	191 763	11 188 880
2010	3 675 163	3 249 418	2 409 273	978 041	1 369 133	290 793	84 167	213 317	12 269 305
2011	3 742 476	3 310 682	2 435 830	992 624	1 394 241	295 955	85 216	217 020	12 474 044
CAMPERVANS									
2006	8 407	9 294	8 449	4 076	7 094	3 549	177	474	41 520
2010	9 963	10 721	11 365	4 071	7 611	4 079	242	452	48 504
2011	10 537	11 147	11 978	4 059	7 941	4 284	251	456	50 653
LIGHT COMMERCIAL VEHICLES									
2006	587 713	483 097	520 070	145 643	254 164	74 586	28 872	20 188	2 114 333
2010	656 233	545 898	638 801	167 251	308 516	84 811	34 864	24 194	2 460 568
2011	675 152	562 844	653 400	172 631	318 147	87 113	36 005	25 338	2 530 630
LIGHT RIGID TRUCKS									
2006	33 697	20 279	23 490	4 971	9 378	2 416	594	627	95 452
2010	38 341	24 821	r30 158	6 018	12 438	r2 610	674	785	r115 845
2011	39 460	25 566	30 970	6 196	13 160	2 705	645	837	119 539
HEAVY RIGID TRUCKS									
2006	80 413	71 879	60 410	21 916	40 870	7 774	3 108	1 724	288 094
2010	83 267	76 604	r69 999	23 241	48 352	r8 384	3 888	1 698	r315 433
2011	84 401	77 339	69 262	23 692	49 089	8 597	4 116	1 727	318 223
ARTICULATED TRUCKS									
2006	16 234	21 508	15 802	6 389	9 260	1 498	754	235	71 680
2010	16 907	24 476	18 648	7 310	12 229	1 637	1 033	196	82 436
2011	18 578	25 134	18 899	7 835	12 590	1 677	1 069	183	85 965
NON-FREIGHT CARRYING VEHICLES									
2006	3 318	5 867	4 265	1 718	3 808	951	269	97	20 293
2010	3 440	6 173	5 154	1 868	4 470	1 027	319	82	22 533
2011	3 320	6 208	5 226	1 864	4 582	1 032	327	97	22 656
BUSES									
2006	20 733	16 508	16 516	4 413	11 051	2 219	2 989	946	75 375
2010	22 865	18 407	19 403	5 118	13 418	2 548	3 577	1 031	86 367
2011	23 390	18 817	19 542	5 271	13 597	2 594	3 592	1 080	87 883
MOTOR CYCLES									
2006	122 211	114 438	110 501	33 772	59 675	10 488	3 950	8 022	463 057
2010	175 292	156 390	155 420	46 754	93 901	14 321	5 936	12 093	660 107
2011	181 107	160 634	156 825	47 753	99 392	15 052	5 861	12 166	678 790
TOTAL MOTOR VEHICLES									
2006	4 268 631	3 740 726	2 897 867	1 137 957	1 600 566	374 846	114 015	224 076	14 358 684
2010	4 681 471	4 112 908	3 358 221	1 239 672	1 870 068	410 210	134 700	253 848	16 061 098
2011	4 778 421	4 198 371	3 401 932	1 261 925	1 912 739	419 009	137 082	258 904	16 368 383

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(b) See Technical Note ACT Data regarding 2006 data.

(a) Excludes vehicles with registration expiry less than one month before the census date.

MOTOR VEHICLES ON REGISTER, Per 1000 population(a)—Census years

	<i>New South Wales</i>	<i>Victoria</i>	<i>Queensland</i>	<i>South Australia</i>	<i>Western Australia</i>	<i>Tasmania(b)</i>	<i>Northern Territory</i>	<i>Australian Capital Territory(c)</i>	<i>Australia</i>
	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
2006	499	586	526	585	588	554	350	576	542
2010	509	588	536	596	600	573	368	597	551
2011	516	595	537	602	605	582	370	603	557
CAMPERVANS									
2006	1	2	2	3	3	7	1	1	2
2010	1	2	3	2	3	8	1	1	2
2011	1	2	3	2	3	8	1	1	2
LIGHT COMMERCIAL VEHICLES									
2006	86	95	128	93	124	152	138	61	102
2010	91	99	142	102	135	167	153	68	111
2011	93	101	144	105	138	171	156	70	113
LIGHT RIGID TRUCKS									
2006	5	4	6	3	5	5	3	2	5
2010	5	4	7	4	5	5	3	2	5
2011	5	5	7	4	6	5	3	2	5
HEAVY RIGID TRUCKS									
2006	12	14	15	14	20	16	15	5	14
2010	12	14	16	14	21	17	17	5	14
2011	12	14	15	14	21	17	18	5	14
ARTICULATED TRUCKS									
2006	2	4	4	4	5	3	4	1	3
2010	2	4	4	4	5	3	5	1	4
2011	3	5	4	5	5	3	5	1	4
NON-FREIGHT CARRYING VEHICLES									
2006	—	1	1	1	2	2	1	—	1
2010	—	1	1	1	2	2	1	—	1
2011	—	1	1	1	2	2	1	—	1
BUSES									
2006	3	3	4	3	5	5	14	3	4
2010	3	3	4	3	6	5	16	3	4
2011	3	3	4	3	6	5	16	3	4
MOTOR CYCLES									
2006	18	22	27	22	29	21	19	24	22
2010	24	28	35	28	41	28	26	34	30
2011	25	29	35	29	43	30	25	34	30
TOTAL MOTOR VEHICLES									
2006	627	732	712	727	781	766	544	672	696
2010	649	744	747	756	819	809	589	710	722
2011	659	754	751	766	829	824	596	720	730

— nil or rounded to zero (including null cells)

(b) Excludes vehicles with registration less than one month before the census date.

(a) Both 2006 and 2010 MVC and ERP are as at 31 March. 2011 MVC data are at 31 January and the ERP data are at 30 September 2010.

(c) See Technical Note ACT Data regarding 2006 data.

ESTIMATED AVERAGE AGE OF MOTOR VEHICLES(a), Type of vehicle—Census years

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania(b)	Northern Territory	Australian Capital Territory(c)	Australia
	years	years	years	years	years	years	years	years	years
PASSENGER VEHICLES									
2006	9.0	10.1	9.6	11.0	10.2	11.5	8.8	9.5	9.8
2010	9.3	10.1	9.3	11.0	9.7	11.6	8.7	9.4	9.7
2011	9.3	10.1	9.3	11.0	9.7	11.6	8.8	9.4	9.8
CAMPERVANS									
2006	17.1	19.4	16.1	21.1	21.6	20.4	19.1	19.7	18.9
2010	16.6	18.2	14.4	21.8	21.3	20.6	19.6	19.1	18.0
2011	16.2	17.8	14.1	21.8	21.6	20.3	19.5	19.5	17.8
LIGHT COMMERCIAL VEHICLES									
2006	10.0	11.5	10.4	11.6	11.4	12.8	9.5	9.8	10.8
2010	10.1	11.1	9.8	11.1	10.4	12.5	8.9	9.5	10.4
2011	10.1	11.0	9.8	11.0	10.4	12.5	8.9	9.4	10.4
LIGHT RIGID TRUCKS									
2006	10.7	11.7	10.6	11.8	12.3	15.2	9.4	11.0	11.2
2010	10.8	11.1	10.2	11.5	11.3	15.1	10.5	10.3	10.9
2011	10.8	11.2	10.3	11.6	11.1	14.8	10.8	10.2	10.9
HEAVY RIGID TRUCKS									
2006	14.0	17.4	14.6	17.5	18.1	17.1	13.4	11.3	15.9
2010	14.0	17.0	13.8	16.7	16.9	16.7	12.6	10.9	15.4
2011	14.2	17.0	13.9	16.8	16.9	16.7	12.7	11.0	15.5
ARTICULATED TRUCKS									
2006	10.3	11.5	10.8	11.2	12.7	10.1	13.3	7.9	11.2
2010	10.1	11.4	10.3	10.8	11.8	9.5	12.1	9.1	10.9
2011	11.2	11.7	10.6	11.5	11.9	9.7	12.0	9.1	11.3
NON-FREIGHT CARRYING TRUCKS									
2006	13.4	15.4	11.2	14.8	16.6	16.2	13.9	13.3	14.4
2010	12.8	15.7	10.7	14.9	15.7	16.1	13.3	11.0	14.0
2011	13.3	15.6	10.8	14.9	15.6	15.6	13.2	9.7	14.1
BUSES									
2006	11.1	11.0	10.6	12.0	10.8	15.1	8.8	10.7	11.0
2010	11.2	11.5	10.0	11.8	10.9	14.5	8.7	11.8	11.0
2011	11.2	11.5	10.0	12.0	10.7	14.4	8.8	11.7	11.0
MOTOR CYCLES									
2006	8.8	9.5	9.1	8.8	11.1	10.7	8.0	9.0	9.4
2010	8.5	9.1	8.4	8.6	9.8	10.3	6.7	8.4	8.8
2011	8.5	9.3	8.6	9.0	9.9	10.4	6.9	8.5	9.0
TOTAL MOTOR VEHICLES									
2006	9.3	10.5	9.8	11.2	10.7	12.0	9.1	9.5	10.1
2010	9.5	10.4	9.5	11.1	10.1	11.9	8.8	9.4	10.0
2011	9.5	10.4	9.5	11.1	10.1	12.0	8.9	9.4	10.0

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

(b) Excludes vehicles with registration expiry less than one month before the census date.

(c) See Technical Note ACT Data regarding 2006 data.

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

	PETROL					
	Leaded	Unleaded	Total	Diesel	LPG/Dual fuel/Other	Total
	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES						
2006	923 924	9 650 729	10 574 653	386 807	227 420	11 188 880
2010	449 930	10 786 803	11 236 733	673 287	359 285	12 269 305
2011	401 751	10 947 713	11 349 464	763 853	360 727	12 474 044
CAMPERVANS						
2006	12 149	6 679	18 828	20 515	2 177	41 520
2010	8 875	8 573	17 448	28 584	2 472	48 504
2011	8 337	9 231	17 568	30 629	2 456	50 653
LIGHT COMMERCIAL VEHICLES						
2006	251 567	1 128 474	1 380 041	633 371	100 921	2 114 333
2010	142 758	1 217 677	1 360 435	958 393	141 740	2 460 568
2011	127 808	1 219 187	1 346 995	1 042 159	141 476	2 530 630
LIGHT RIGID TRUCKS						
2006	8 400	4 824	13 224	80 458	1 770	95 452
2010	5 294	4 892	10 186	r103 751	1 908	r115 845
2011	4 828	4 884	9 712	107 913	1 914	119 539
HEAVY RIGID TRUCKS						
2006	25 047	4 062	29 109	257 157	1 828	288 094
2010	17 262	4 333	21 595	r292 259	1 579	r315 433
2011	16 017	4 256	20 273	296 373	1 577	318 223
ARTICULATED TRUCKS						
2006	646	934	1 580	70 043	57	71 680
2010	437	1 160	1 597	80 714	125	82 436
2011	438	1 119	1 557	84 256	152	85 965
NON-FREIGHT CARRYING VEHICLES						
2006	2 722	1 966	4 688	14 989	616	20 293
2010	1 854	1 839	3 693	18 273	567	22 533
2011	1 711	1 809	3 520	18 580	556	22 656
BUSES						
2006	1 835	13 675	15 510	57 800	2 065	75 375
2010	1 004	16 238	17 242	65 399	3 726	86 367
2011	865	16 648	17 513	66 513	3 857	87 883
MOTOR CYCLES						
2006	67 163	395 890	463 053	2	2	463 057
2010	55 450	604 522	659 972	2	133	660 107
2011	52 590	625 352	677 942	1	847	678 790
TOTAL MOTOR VEHICLES						
2006	1 293 453	11 207 233	12 500 686	1 521 142	336 856	14 358 684
2010	682 864	12 646 037	13 328 901	2 220 662	511 535	16 061 098
2011	614 345	12 830 199	13 444 544	2 410 277	513 562	16 368 383

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(a) Relates to the type of fuel recorded by the motor vehicle registry.

MOTOR VEHICLES ON REGISTER(a), Type of fuel, by State/territory—Census years

	PETROL					
	Leaded	Unleaded	Total	Diesel	LPG/Dual fuel/Other	Total
	no.	no.	no.	no.	no.	no.
NEW SOUTH WALES						
2006	277 543	3 524 672	3 802 215	406 397	60 019	4 268 631
2010	144 287	3 856 448	4 000 735	560 677	120 059	4 681 471
2011	129 692	3 912 391	4 042 083	612 969	123 369	4 778 421
VICTORIA						
2006	372 422	2 892 142	3 264 564	301 060	175 102	3 740 726
2010	198 904	3 204 218	3 403 122	462 767	247 019	4 112 908
2011	179 465	3 262 847	3 442 312	509 740	246 319	4 198 371
QUEENSLAND						
2006	255 201	2 199 988	2 455 189	399 548	43 130	2 897 867
2010	133 277	2 573 707	2 706 984	595 490	55 747	3 358 221
2011	118 413	2 590 381	2 708 794	636 558	56 580	3 401 932
SOUTH AUSTRALIA						
2006	145 351	887 407	1 032 758	94 468	10 731	1 137 957
2010	73 811	1 015 109	1 088 920	138 660	12 092	1 239 672
2011	65 816	1 031 479	1 097 295	152 531	12 099	1 261 925
WESTERN AUSTRALIA						
2006	161 417	1 166 558	1 327 975	234 174	38 417	1 600 566
2010	89 404	1 376 858	1 466 262	339 103	64 703	1 870 068
2011	82 327	1 402 985	1 485 312	364 294	63 133	1 912 739
TASMANIA (b)						
2006	56 970	267 101	324 071	47 311	3 464	374 846
2010	31 192	308 631	339 823	66 209	4 178	410 210
2011	28 140	315 352	343 492	71 236	4 281	419 009
NORTHERN TERRITORY						
2006	7 045	77 398	84 443	28 416	1 156	114 015
2010	3 321	90 844	94 165	39 305	1 230	134 700
2011	2 851	91 551	94 402	41 466	1 214	137 082
AUSTRALIAN CAPITAL TERRITORY (c)						
2006	17 504	191 967	209 471	9 768	4 837	224 076
2010	8 668	220 222	228 890	18 451	6 507	253 848
2011	7 641	223 213	230 854	21 483	6 567	258 904
AUSTRALIA						
2006	1 293 453	11 207 233	12 500 686	1 521 142	336 856	14 358 684
2010	682 864	12 646 037	13 328 901	2 220 662	511 535	16 061 098
2011	614 345	12 830 199	13 444 544	2 410 277	513 562	16 368 383

(a) Relates to the type of fuel recorded by the motor vehicle registry.

(b) Excludes vehicles with registration expiry less than one month before the census date.

(c) See Technical Note ACT Data regarding 2006 data.

PASSENGER VEHICLES ON REGISTER, Top 30 Makes—Census years

Make	2006(a)	2010	2011	Change	Change
	no.	no.	no.	06/11(b)	10/11(b)
				%	%
Toyota	2 103 752.0	2 446 284	2 500 195	19.6	2.7
Holden	2 067 824	2 061 786	2 056 880	-0.1	-0.3
Ford	1 877 704	1 695 255	1 654 216	-2.6	-2.9
Mitsubishi	980 065	932 292	921 909	-1.3	-1.3
Mazda	530 864	709 491	751 968	7.5	7.2
Nissan	740 154	732 184	736 431	-0.1	0.7
Hyundai	534 447	666 564	696 588	5.6	5.4
Honda	411 346	567 762	587 316	7.6	4.1
Subaru	330 148	446 923	472 251	7.7	6.8
BMW	178 757	238 233	249 035	7.1	5.5
Mercedes					
Benz	174 759	212 582	224 504	5.3	6.8
Volkswagen	107 561	193 091	218 971	15.8	16.3
Suzuki	138 844	195 213	208 677	8.8	8.3
Kia	104 872	175 036	190 806	13.2	10.9
Daewoo	130 360	104 428	95 314	-6.3	-10.4
Daihatsu	132 105	96 797	88 906	-7.9	-9.7
Peugeot	60 691	80 597	83 051	6.7	3.7
Audi	41 123	71 590	82 205	15.4	18.0
Volvo	77 017	74 511	73 362	-1.0	-1.8
Jeep	52 949	68 164	71 433	6.4	5.8
Lexus	34 868	60 692	65 274	13.9	9.1
Land Rover	56 668	62 589	63 871	2.5	2.5
Chrysler	44 421	43 818	43 785	-0.3	-0.1
Saab	42 491	39 489	37 474	-2.6	-6.1
Jaguar	26 316	26 705	26 630	0.2	-0.3
Renault	19 566	23 999	24 750	5.0	3.8
Alfa Romeo	20 922	23 042	23 029	2.0	-0.1
Porsche	17 027	20 953	21 987	5.4	6.0
Citroen	13 070	21 128	21 802	11.2	3.8
Other	138 189	178 107	181 424	5.8	2.2
Total	11 188 880	12 269 305	12 474 044	2.3	2.0

(a) See Technical Note ACT Data regarding 2006 data.

(b) Percentage movements have been converted to an annual basis. See Glossary for further information.

RIGID TRUCKS ON REGISTER, Gross Vehicle Mass (GVM)—Census years

GVM (TONNES)						
	4.5 and under	Over 4.5 to 8	Over 8 to 12	Over 12 to 20	Greater than 20	Total
	no.	no.	no.	no.	no.	no.
NEW SOUTH WALES						
2006	33 697	21 937	23 991	15 440	19 045	114 110
2010	38 341	21 553	25 796	15 202	20 716	121 608
2011	39 460	21 437	26 053	15 249	21 662	123 861
VICTORIA						
2006	20 279	19 160	21 250	15 324	16 145	92 158
2010	24 821	18 278	22 983	15 616	19 727	101 425
2011	25 566	18 011	23 271	15 628	20 429	102 905
QUEENSLAND						
2006	23 490	13 434	16 645	15 141	15 190	83 900
2010	30 158	14 401	19 600	16 106	19 892	100 157
2011	30 970	14 127	19 443	15 873	19 819	100 232
SOUTH AUSTRALIA						
2006	4 971	5 213	6 847	4 771	5 085	26 887
2010	6 018	5 133	7 044	4 904	6 160	29 259
2011	6 196	5 043	7 134	4 987	6 528	29 888
WESTERN AUSTRALIA						
2006	9 378	10 053	10 031	10 278	10 508	50 248
2010	12 438	11 769	11 819	10 942	13 822	60 790
2011	13 160	11 972	11 829	10 986	14 302	62 249
TASMANIA (a)						
2006	2 416	2 487	1 818	1 527	1 942	10 190
2010	2 610	2 732	2 080	1 505	2 067	10 994
2011	2 705	2 731	2 135	1 547	2 184	11 302
NORTHERN TERRITORY						
2006	594	1 138	755	680	535	3 702
2010	674	1 398	947	772	771	4 562
2011	645	1 437	1 013	799	867	4 761
AUSTRALIAN CAPITAL TERRITORY (b)						
2006	627	477	500	286	461	2 351
2010	785	416	542	296	444	2 483
2011	837	410	541	306	470	2 564
AUSTRALIA						
2006	95 452	73 899	81 837	63 447	68 911	383 546
2010	115 845	75 680	90 811	65 343	83 599	431 278
2011	119 539	75 168	91 419	65 375	86 261	437 762

(a) Excludes vehicles with registration expiry less than one month before the census date.

(b) See Technical Note ACT Data regarding 2006 data.

GCM (TONNES)						
	Over 3 to 20	Over 20 to 40	Over 40 to 60	Over 60 to 100	Greater than 100	Total
	no.	no.	no.	no.	no.	no.
NEW SOUTH WALES						
2006	61	1 522	6 603	7 540	508	16 234
2010	44	1 018	5 364	9 872	609	16 907
2011	43	1 174	5 945	10 727	689	18 578
VICTORIA						
2006	399	3 475	8 377	9 249	8	21 508
2010	382	2 805	8 270	13 012	7	24 476
2011	414	2 759	8 238	13 717	6	25 134
QUEENSLAND						
2006	59	1 419	5 549	6 771	2 004	15 802
2010	44	1 152	5 159	9 392	2 901	18 648
2011	42	1 075	5 142	9 581	3 059	18 899
SOUTH AUSTRALIA						
2006	33	600	3 154	2 229	373	6 389
2010	33	509	3 266	2 967	535	7 310
2011	31	542	3 553	3 115	594	7 835
WESTERN AUSTRALIA						
2006	79	1 364	7 647	133	37	9 260
2010	76	1 120	10 863	139	31	12 229
2011	76	1 078	11 259	149	28	12 590
TASMANIA (a)						
2006	2	93	574	827	2	1 498
2010	145	71	446	974	1	1 637
2011	254	65	437	920	1	1 677
NORTHERN TERRITORY						
2006	5	44	116	161	428	754
2010	4	39	135	229	626	1 033
2011	5	37	140	235	652	1 069
AUSTRALIAN CAPITAL TERRITORY (b)						
2006	—	21	123	90	1	235
2010	1	17	80	97	1	196
2011	2	14	75	91	1	183
AUSTRALIA						
2006	638	8 538	32 143	27 000	3 361	71 680
2010	729	6 731	33 583	36 682	4 711	82 436
2011	867	6 744	34 789	38 535	5 030	85 965

— nil or rounded to zero (including null cells)

(a) Excludes vehicles with registration expiry less than a month before the census date.

(b) See Technical Note ACT Data regarding 2006 data.

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

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania(a)	Northern Territory	Australian Capital Territory	Australia
	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
To 1995	644 367	686 744	447 069	252 536	270 862	84 100	13 782	38 100	2 437 560
1996–2000	829 240	715 590	495 945	222 443	284 338	64 760	16 873	46 689	2 675 878
2001–2005	1 083 369	913 559	689 607	265 527	381 350	74 158	23 640	63 894	3 495 104
2006–2010	1 180 927	990 210	789 114	251 581	455 426	72 653	30 809	68 205	3 838 925
2011	4 569	4 401	1 916	516	2 260	270	111	130	14 173
Not stated	4	178	12 179	21	5	14	1	2	12 404
Total	3 742 476	3 310 682	2 435 830	992 624	1 394 241	295 955	85 216	217 020	12 474 044
CAMPERVANS									
To 1995	4 956	5 798	4 864	2 825	5 182	2 756	152	263	26 796
1996–2000	1 684	817	1 172	385	750	423	39	64	5 334
2001–2005	1 968	1 299	2 038	471	1 177	592	32	69	7 646
2006–2010	1 927	3 227	3 658	378	832	512	28	60	10 622
2011	2	2	7	—	—	—	—	—	11
Not stated	—	4	239	—	—	1	—	—	244
Total	10 537	11 147	11 978	4 059	7 941	4 284	251	456	50 653
LIGHT COMMERCIAL VEHICLES									
To 1995	151 417	144 580	147 674	46 321	78 618	30 226	6 643	5 052	610 531
1996–2000	126 287	96 579	108 075	30 627	50 901	15 683	5 857	3 988	437 997
2001–2005	182 350	150 463	171 262	44 445	78 486	20 477	9 858	7 150	664 491
2006–2010	214 391	170 684	223 886	51 184	109 804	20 671	13 619	9 139	813 378
2011	706	493	310	50	338	53	28	8	1 986
Not stated	1	45	2 193	4	—	3	—	1	2 247
Total	675 152	562 844	653 400	172 631	318 147	87 113	36 005	25 338	2 530 630
LIGHT RIGID TRUCKS									
To 1995	11 023	7 044	7 569	1 818	3 864	1 149	170	201	32 838
1996–2000	5 900	2 665	3 860	779	1 348	341	143	108	15 144
2001–2005	10 390	7 279	8 896	1 709	3 653	702	169	232	33 030
2006–2010	12 129	8 567	10 315	1 884	4 288	512	163	295	38 153
2011	18	7	5	3	6	1	—	1	41
Not stated	—	4	325	3	1	—	—	—	333
Total	39 460	25 566	30 970	6 196	13 160	2 705	645	837	119 539
HEAVY RIGID TRUCKS									
To 1995	34 993	38 699	27 639	12 147	24 919	4 619	1 552	509	145 077
1996–2000	12 423	9 673	8 960	2 786	5 533	966	669	221	41 231
2001–2005	17 701	13 398	13 753	3 917	6 922	1 376	706	444	58 217
2006–2010	19 279	15 533	18 369	4 840	11 714	1 636	1 189	553	73 113
2011	5	9	—	2	1	—	—	—	17
Not stated	—	27	541	—	—	—	—	—	568
Total	84 401	77 339	69 262	23 692	49 089	8 597	4 116	1 727	318 223

— nil or rounded to zero (including null cells)

(a) Excludes vehicles with registration expiry less than one month before the census date.

MOTOR VEHICLES ON REGISTER, Type of vehicle—Year of manufacture *continued*

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania(a)	Northern Territory	Australian Capital Territory	Australia
	no.	no.	no.	no.	no.	no.	no.	no.	no.
ARTICULATED TRUCKS									
To 1995	5 100	7 440	4 678	2 370	3 787	343	353	33	24 104
1996–2000	2 853	3 519	2 820	1 227	1 966	236	174	29	12 824
2001–2005	4 818	6 124	4 845	1 823	3 143	517	230	70	21 570
2006–2010	5 804	8 045	6 490	2 414	3 693	580	312	51	27 389
2011	3	2	—	1	1	1	—	—	8
Not stated	—	4	66	—	—	—	—	—	70
Total	18 578	25 134	18 899	7 835	12 590	1 677	1 069	183	85 965
NON-FREIGHT CARRYING TRUCKS									
To 1995	1 183	2 829	1 318	844	1 910	466	116	23	8 689
1996–2000	490	948	865	295	661	130	69	13	3 471
2001–2005	984	1 198	1 242	277	924	220	49	23	4 917
2006–2010	663	1 232	1 759	448	1 087	215	93	38	5 535
2011	—	—	4	—	—	—	—	—	4
Not stated	—	1	38	—	—	1	—	—	40
Total	3 320	6 208	5 226	1 864	4 582	1 032	327	97	22 656
BUSES									
To 1995	7 365	5 864	4 914	1 816	4 136	1 276	706	440	26 517
1996–2000	5 016	3 941	3 717	990	2 386	385	680	149	17 264
2001–2005	4 160	3 844	4 358	1 044	2 651	403	748	173	17 381
2006–2010	6 829	5 135	6 512	1 417	4 409	530	1 456	317	26 605
2011	20	33	5	4	15	—	2	1	80
Not stated	—	—	36	—	—	—	—	—	36
Total	23 390	18 817	19 542	5 271	13 597	2 594	3 592	1 080	87 883
MOTOR CYCLES									
To 1995	28 803	29 122	24 896	7 287	21 076	3 334	651	1 925	117 094
1996–2000	24 930	23 884	19 428	5 935	11 426	2 438	619	1 660	90 320
2001–2005	43 616	39 528	41 132	10 730	19 870	3 421	1 184	2 942	162 423
2006–2010	83 614	67 800	68 559	21 176	46 849	5 852	3 402	5 632	302 884
2011	144	103	86	20	170	6	5	7	541
Not stated	—	197	2 724	2 605	1	1	—	—	5 528
Total	181 107	160 634	156 825	47 753	99 392	15 052	5 861	12 166	678 790
TOTAL MOTOR VEHICLES									
To 1995	889 207	928 120	670 621	327 964	414 354	128 269	24 125	46 546	3 429 206
1996–2000	1 008 823	857 616	644 842	265 467	359 309	85 362	25 123	52 921	3 299 463
2001–2005	1 349 356	1 136 692	937 133	329 943	498 176	101 866	36 616	74 997	4 464 779
2006–2010	1 525 563	1 270 433	1 128 662	335 322	638 102	103 161	51 071	84 290	5 136 604
2011	5 467	5 050	2 333	596	2 791	331	146	147	16 861
Not stated	5	460	18 341	2 633	7	20	1	3	21 470
Total	4 778 421	4 198 371	3 401 932	1 261 925	1 912 739	419 009	137 082	258 904	16 368 383

— nil or rounded to zero (including null cells)

(a) Excludes vehicles with registration expiry less than one month before the census date.

EXPLANATORY NOTES

MOTOR VEHICLE CENSUS

1 This publication presents statistics relating to vehicles which were registered with a motor vehicle registration authority at 31 January 2011.

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

2011, 31 January	1998, 31 October
2010, 31 March	1997, 31 October
2009, 31 March	1996, 31 October
2008, 31 March	1995, 30 May
2007, 31 March	1993, 30 June
2006, 31 March	1991, 30 September
2005, 31 March	1988, 30 September
2004, 31 March	1985, 30 September
2003, 31 March	1982, 30 September
2002, 31 March	1979, 30 September
2001, 31 March	1976, 30 September
1999, 31 October	1971, 30 September

SCOPE

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

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

4 Vehicles on register are defined as those vehicles registered at the date of the census, or which had registration expire less than one month before that date. Data for Tasmania does not include vehicles which had registration expire less than one month before that date.

5 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.

6 Vintage and veteran vehicles are excluded from vehicle counts in the published data, but are available for consultancy data requests. These vehicles are identified using a unique insurance code, with the following exceptions:

- in New South Wales this insurance code is not provided and it is not possible to separately identify these vehicles. Therefore veteran and vintage vehicles are included in the number of registered vehicles for New South Wales.
- while Victoria does provide an insurance code for these vehicles, this insurance code also applies to tractors, motorcycles and self propelled farm machinery owned by primary producers and used solely in connection with the business of a primary producer. These records are deemed out of scope. (Note: tractors and motor cycles not used solely in connection with the business of a primary producer have a different insurance code which deems them in scope.) Therefore, the number of veteran and vintage vehicles cannot be obtained for Victoria.

7 The estimated proportion of motor vehicles, excluding motor cycles, taken off the register since the previous MVC is referred to as the attrition rate. The attrition rates in the following table have been calculated using Motor Vehicle Census and New Motor Vehicle Sales data. Motor cycles are excluded from the attrition rate calculation as they are not included in New Motor Vehicle Sales data.

EXPLANATORY NOTES *continued*

SCOPE *continued*

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

	BETWEEN 2006 AND 2007		BETWEEN 2007 AND 2008		BETWEEN 2008 AND 2009		BETWEEN 2009 AND 2010		BETWEEN 2010 AND 2011	
	no.	%	no.	%	no.	%	no.	%	no.	%
NSW	217 518	4.9	178 856	3.9	256 868	5.5	197 826	4.2	171 296	3.6
Vic.	179 505	4.6	178 750	4.5	176 676	4.4	165 499	4.0	152 483	3.6
Qld	97 337	3.2	107 629	3.4	105 556	3.3	135 271	4.1	127 418	3.8
SA	45 253	3.9	43 554	3.7	36 588	3.0	35 204	2.9	33 639	2.7
WA	46 866	2.8	61 171	3.5	38 675	2.2	68 840	3.7	61 357	3.3
Tas.	13 258	3.5	10 679	2.7	10 111	2.5	9 661	2.4	7 927	1.9
NT	5 649	4.7	5 983	4.8	4 761	3.7	4 034	3.0	6 042	4.4
ACT	r10 227	r4.3	10 554	4.4	11 073	4.5	9 206	3.7	8 567	3.4
Aust.	r615 613	r4.1	597 176	3.9	640 308	4.1	625 541	3.9	568 729	3.5

r revised

(a) Percentage change movements have been converted to an annual basis. See Glossary for further information.

(b) These estimates exclude motor cycles. For more details on calculation of attrition rate refer to Glossary.

METHODOLOGY

8 The 2011 Motor Vehicle Census is a count of all in-scope vehicles registered with a state or territory motor vehicle registration authority (MVR) at 31 January 2011. All records are compared to previous MVC data for vehicles that match (on-going registrations) and details are updated for these vehicles where applicable.

9 The unmatched records (new vehicle registrations) undergo editing of individual data items. The editing of on-going registrations is limited as these records have been edited in previous years. Aggregate data is checked across time, states and vehicle types to ensure coherency.

DATA QUALITY

10 The primary use of the MVC is as a frame for the Survey of Motor Vehicle Use (SMVU). Editing of the data is designed to maximise data quality to the level required for the SMVU. The size of the fleet (over 16 million vehicles) dictates that quality assurance of each record is not possible. Therefore, while the data are made available at a detailed level, the ABS is unable to guarantee that it is necessarily sufficient for all purposes for which it is used. There is also some variation in the reporting from different state and territory registries and care should be taken when comparing data across jurisdictions.

11 The information provided to the ABS and included in the estimates for any month may be revised or corrected in later months. Where corrections are made to original data they will be identified by the annotation (r) revised.

EXPLANATORY NOTES *continued*

STATISTICAL GEOGRAPHY

12 Geographic data available from the MVC are postcode of owner and state or territory of registration.

13 If analysis of regional data based on postcodes is being undertaken, the following considerations need to be taken into account:

- there are some instances where the postcode of the vehicle's owner is in a different state or territory from that in which the vehicle was registered. For example, the postcode of the owner of the vehicle could be in Sydney, yet the vehicle could be registered in Queensland;
- some official postcodes (PO boxes, competition postcodes) do not correspond to residential areas;
- some postcodes could be invalid.

ACKNOWLEDGEMENT

14 This publication draws extensively on information provided freely by the state and territory motor vehicle registration authorities. Their continued cooperation is very much appreciated. Without it, many of the transport statistics published by the ABS would not be available.

RELATED PUBLICATIONS AND PRODUCTS

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

- Sales of New Motor Vehicles, Australia, (Electronic Publication) cat. no. 9314.0 (issued monthly)
- Survey of Motor Vehicle Use, Australia cat. no. 9208.0
- Information Paper: Experimental Estimates of Motor Vehicle Use, 12 months ended 31 October 2008 cat. no. 9222.0

ABS DATA AVAILABLE ON REQUEST

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

TECHNICAL NOTE ACT DATA

INTRODUCTION

1 A minor error in the calculation of registered motor vehicles for the Australian Capital Territory was identified for previous years. This Technical Note outlines the problem and the likely impact on vehicle registration numbers in ACT for MVCs conducted from 31 March 2004 to 31 March 2007.

ISSUE

2 Vehicles on register are defined as those vehicles registered at the date of the census, or had registration expire less than one month before that date. For ACT however, vehicles for which registration expired prior to 31 March were incorrectly removed by processing systems used before MVC 2008.

IMPACT

3 For each MVC conducted from 2004 to 2007, approximately 2% of ACT registrations had been omitted. The error has had little impact on ACT annual fleet growth rates.

4 The impact of the error on ACT data has been estimated in the following table.

ACT REGISTRATIONS, Type of vehicle—Census years

	2004	2005	2006	2007
<i>Vehicle type</i> (a)	no.	no.	no.	no.

ADDITIONAL REGISTRATIONS

Passenger vehicles	3 893	3 864	3 988	4 160
Campervans	19	13	22	21
Light commercial vehicles	523	502	567	572
Light rigid trucks	13	18	16	16
Heavy rigid trucks	34	42	31	35
Articulated trucks	5	4	4	8
Non-freight carrying trucks	1	4	—	1
Buses	15	6	11	14
Motor cycles	352	423	444	462
Total motor vehicles	4 855	4 876	5 083	5 289

REVISED MOTOR VEHICLE REGISTRATIONS

Passenger vehicles	189 496	192 505	195 751	200 015
Campervans	526	518	496	480
Light commercial vehicles	19 399	19 974	20 755	21 347
Light rigid trucks	642	627	643	651
Heavy rigid trucks	1 763	1 729	1 755	1 724
Articulated trucks	241	242	239	233
Non-freight carrying trucks	102	96	97	89
Buses	931	929	957	948
Motor cycles	7 444	7 808	8 466	9 147
Total motor vehicles	220 544	224 428	229 159	234 634

— nil or rounded to zero (including null cells)

(a) Estimates only. Based on motor vehicle registry broad vehicle descriptions.

5 Note that 2006 data for ACT presented in this publication does not include the additional registrations presented in this technical note.

GLOSSARY

Annual percentage change A measure of the percentage change in a variable between one time period and another at an annual rate. This measure allows for the compounding of an increase or decrease over time. Thus an annual percentage increase of 10.0% results in a figure increasing by 21.0% over two years. The formula for calculating annual percentage change is :

$$\left[(T_2/T_1)^{(12/M)} - 1 \right] \times 100$$

where T1 is the value of the data item at the first time point, T2 is the value at the second time point, and M is the number of months between the two time points. This formula has also been used to calculate the percentage change over the five year period by replacing the '12' with '60' to account for the difference in time period.

Articulated trucks Motor vehicles constructed primarily for load carrying, consisting of a prime mover having no significant load carrying area, but with a turntable device which can be linked to one or more trailers.

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

$$\left[1 - \{T_2/(T_1 + N_1)\}^{12/M} \right] \times 100$$

where T₁ is the number of registrations at the first time point, N₁ is the number of new sales between the first and second time points, T₂ is the number of registrations at the second time point and M is the number of months between the two time points.

Average age of vehicle 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 formulae below allow for the census being conducted on different months. Although the Motor Vehicle Census has been taken on different dates, it has always been taken on the last day of the month. These formulae also assume that vehicles are manufactured at a constant rate over the year, or three month period for the current year.

For vehicles manufactured in the current year:

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

For vehicles manufactured in previous years:

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

The average age is then calculated as the sum of all vehicle ages divided by the total number of vehicles. Vehicles that have a year of manufacture unknown are excluded from calculations of average age.

Average annual growth rate The average annual growth rate is calculated as a percentage using the following formula:

$$\left[\left(\frac{P_n}{P_o} \right)^{\frac{12}{M}} - 1 \right] \times 100$$

where P₀ is the population at the start of the period, P_n is the population at the end of the period and M is the length of the period between P_n and P₀ in months.

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

Campervans Self-propelled motor vehicles containing an area primarily used for accommodation.

GLOSSARY *continued*

Included are motor homes and powered caravans.

Estimated Resident Population (ERP)	The official ABS estimate of the Australian population. Based on results from the Census of Population and Housing, it is updated annually between censuses using demographic statistics. To obtain ERP figures, the census count is adjusted for under enumeration and for Australian residents temporarily overseas on census night.
Fuel	The type of fuel is as reported to the registering authority and includes leaded petrol, unleaded petrol, diesel, LPG/other gases, dual fuel and other which includes electric.
Gross Combination Mass (GCM)	Tare weight (i.e. unladen weight) of the motor vehicle and attached trailers, plus its maximum carrying and towing capacity. GCM is the weight measurement used for trailer towing vehicles such as articulated trucks.
Gross Vehicle Mass (GVM)	Tare weight (i.e. unladen weight) of the motor vehicle, plus its maximum carrying capacity excluding trailers.
Heavy rigid trucks	Rigid trucks of GVM greater than 4.5 tonnes.
Light commercial vehicles	Vehicles primarily constructed for the carriage of goods, and which are less than or equal to 3.5 tonnes GVM. Included are utilities, panel vans, cab-chassis and forward-control load carrying vehicles (whether four-wheel drive or not).
Light rigid trucks	Rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes.
Make	The manufacturer of the motor vehicle (e.g. Ford, Holden, Mitsubishi, Toyota).
Motorcycles	Two and three wheeled motor vehicles constructed primarily for the carriage of one or two persons. Included are two and three wheeled mopeds, scooters, motor tricycles and motorcycles with sidecars.
Non-freight carrying trucks	Specialist motor vehicles or motor vehicles fitted with special purpose equipment, and having little or no goods carrying capacity (e.g. ambulances, cherry pickers, fire trucks and tow trucks).
Passenger vehicles	Motor vehicles constructed primarily for the carriage of persons and containing up to nine seats (including the driver's seat). Included are cars, station wagons, four-wheel drive passenger vehicles and forward-control passenger vehicles. Excluded are campervans.
Rigid trucks	Motor vehicles of GVM greater than 3.5 tonnes, constructed with a load carrying area. Included are normal rigid trucks with a tow bar, draw bar or other non-articulated coupling on the rear of the vehicle. Rigid trucks are divided into two categories: <ul style="list-style-type: none">■ Light rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes■ Heavy rigid trucks of GVM greater than 4.5 tonnes.
State/territory	The state or territory of the motor registry at which a vehicle is registered.

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