

**MOTOR VEHICLE CENSUS**

AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) WED 22 AUG 2012

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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 2012 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.

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## 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

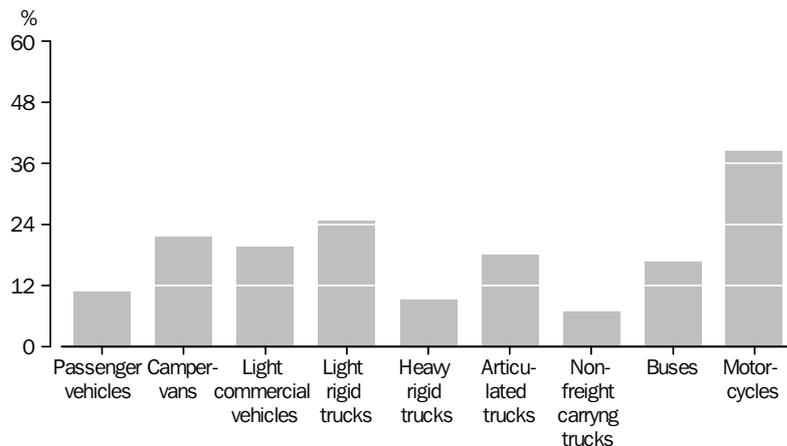
There were 16.7 million motor vehicles, including Motor cycles, registered in Australia for the 2012 Motor Vehicle Census (MVC). On an annual basis this is 2.3% higher than the number of registrations for 2011 and an increase of 13.3% since 2007, when there were 14.8 million vehicles registered in Australia. The average annual growth over this five-year period was 2.6%.

### TYPE OF VEHICLE—Census years 2007, 2011 and 2012

	2007	2011	2012	Change 07/12	Change 11/12	Average annual growth 07/12
	no.	no.	no.	%	%	%
Passenger vehicles	11 462 400	12 474 044	12 714 235	10.9	1.9	2.2
Campervans	43 266	50 653	52 600	21.6	3.8	4.1
Light commercial vehicles	2 189 559	2 530 630	2 617 799	19.6	3.4	3.8
Light rigid trucks	99 604	119 539	124 291	24.8	4.0	4.7
Heavy rigid trucks	294 887	318 223	322 115	9.2	1.2	1.8
Articulated trucks	74 444	85 965	87 995	18.2	2.4	3.5
Non-freight carrying vehicles	21 247	22 656	22 722	6.9	0.3	1.4
Buses	77 548	87 883	90 599	16.8	3.1	3.3
Motor cycles	511 966	678 790	709 288	38.5	4.5	7.0
<b>Total motor vehicles</b>	<b>14 774 921</b>	<b>16 368 383</b>	<b>16 741 644</b>	<b>13.3</b>	<b>2.3</b>	<b>2.6</b>

In the 5 years between the 2007 and 2012 MVC, the Passenger vehicle fleet has grown by 10.9% from 11.5 million to 12.7 million. Light rigid trucks and Motor cycles were the vehicle types showing the largest growth over this time, with increases of 24.8% and 38.5% respectively. Non-freight carrying vehicles had the smallest increase of 6.9% over the same period.

### TYPE OF VEHICLE, Percent change—Between census years 2007 and 2012



## SUMMARY OF FINDINGS *continued*

### STATES AND TERRITORIES

New South Wales had the largest share of the Australian fleet in the 2012 MVC with 4.9 million vehicles or 29.1% of all registered vehicles. Victoria had the second largest share with 4.3 million (25.6%) followed by Queensland with 3.5 million vehicles (20.9%). 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.

### STATE OF REGISTRATION—Census years 2007, 2011 and 2012

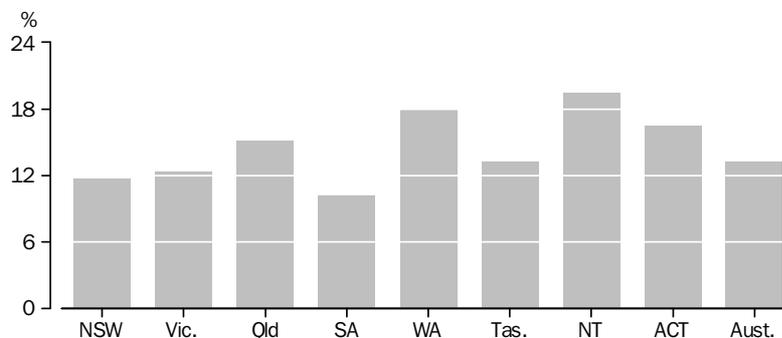
	2007	2011	2012	Change 07/12	Change 11/12	Average annual growth 07/12
	no.	no.	no.	%	%	%
New South Wales	4 361 237	4 778 421	4 869 996	11.7	1.9	2.3
Victoria	3 818 062	4 198 371	4 286 284	12.3	2.1	2.4
Queensland	3 033 417	3 401 932	3 492 311	15.1	2.7	3.0
South Australia	1 156 961	1 261 925	1 275 041	10.2	1.0	2.0
Western Australia	1 676 495	1 912 739	1 977 756	18.0	3.4	3.5
Tasmania	381 226	419 009	431 991	13.3	3.1	2.6
Northern Territory	118 178	137 082	141 101	19.4	2.9	3.7
Australian Capital Territory						
Territory	229 345	258 904	267 164	16.5	3.2	3.2
<b>Australia</b>	<b>14 774 921</b>	<b>16 368 383</b>	<b>16 741 644</b>	<b>13.3</b>	<b>2.3</b>	<b>2.6</b>

The national increase in the number of registrations from 31 March 2007 to 31 January 2012 was 13.3%.

The Northern Territory had the largest growth (19.4%) with an annual average increase of 3.7%, followed by Western Australia (18%) with an annual average increase of 3.5%, the Australian Capital Territory (16.5%) with an annual average increase of 3.2%, and Queensland (15.1%) with an average annual increase of 3%.

In the same five year period, South Australia had the smallest growth in fleet size (10.2%) and an average annual increase of 2%.

### MOTOR VEHICLE REGISTRATIONS, Percent change—Census years 2007 and 2012



(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 Data regarding 2007 data.

## SUMMARY OF FINDINGS *continued*

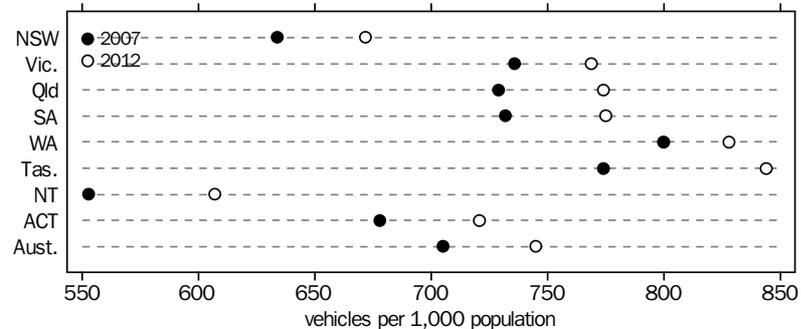
### VEHICLES AND RESIDENT POPULATION

In Australia there were 745 motor vehicles per 1,000 resident population in the 2012 MVC. This compares with 705 vehicles per 1,000 residents in 2007, an increase of 40 vehicles per 1,000 residents over this time.

Tasmania had the greatest number of vehicles per 1,000 residents of all states and territories in 2012 with 844, followed by Western Australia with 828. This is compared with 2007, when Western Australia had the highest rate of 800, followed by Tasmania with 774 vehicles per 1,000 residents.

The Northern Territory had the lowest rate with 607 vehicles per 1,000 residents. New South Wales, which had the largest vehicle fleet at 31 January 2012 and the largest population at 31 December 2011, averaged 672 vehicles per 1,000 residents, the second lowest of all states or territories.

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



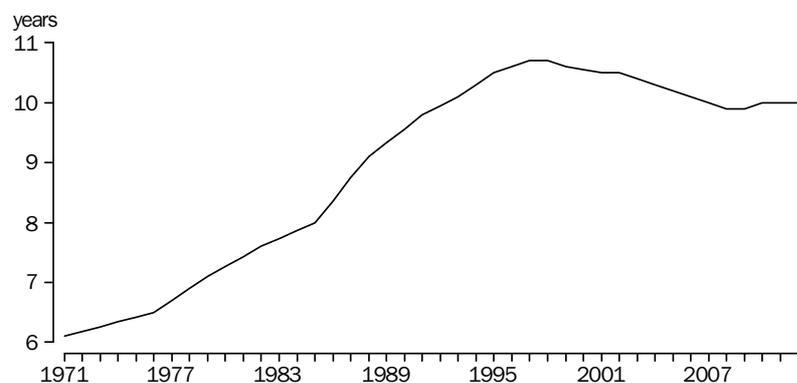
(a) 2007 MVC and ERP data are at 31 March. 2012 MVC data are at 31 January and ERP data are at 31 December 2011.

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

### AVERAGE AGE OF THE FLEET

For 2012, the average age of all vehicles registered in Australia was 10.0 years for the third consecutive MVC, and the same as 2007. Over this five-year period, Campervans, Light rigid trucks, Heavy rigid trucks and Buses recorded a decrease in the average age. Campervans showed the largest decrease in average age, by 1 year, followed by Light rigid trucks by 0.3 years, Buses by 0.2 years and Heavy rigid trucks by 0.1 years. Over the same period, Light commercial vehicles increased by 0.6 years.

### 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.

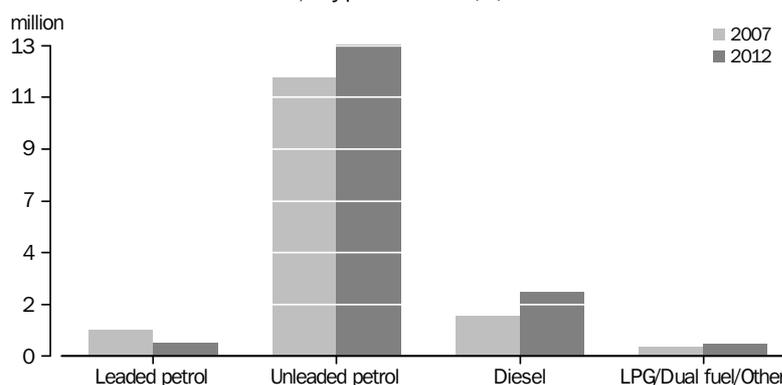
## SUMMARY OF FINDINGS *continued*

### TYPE OF FUEL

For the 2012 MVC, 13.6 million vehicles in Australia (81.1% of the total vehicle fleet) were registered with a fuel type of petrol. This compares with the 12.7 million vehicles registered in 2007, when 86.3% of registrations were in this category.

The number of vehicles registered with diesel fuel in 2012 accounted for 15.9% (or 2.7 million vehicles) of the total fleet compared with 11.2% of vehicles in 2007.

MOTOR VEHICLE FLEET, Type of fuel(a)



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

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 10.9% between the 2007 and 2012, the number of Passenger vehicles registered with diesel fuel increased by 103.1%.

Over the same period, Light commercial vehicle registrations in 2012 with diesel fuel have increased by 65.2%.

### CHARACTERISTICS OF THE FLEET

Passenger vehicles accounted for 75.9% of all vehicles registered in Australia for the 2012 MVC, down from 77.6% in 2007. Queensland, Western Australia, Northern Territory and the Australian Capital Territory recorded increases in the proportion of Passenger vehicles over this time. In the same period, New South Wales, Victoria, South Australia and Tasmania have recorded decreases. This decrease has been offset by increases in the proportion of Light commercial vehicles and Motor cycles in these states.

Light commercial vehicles accounted for 15.6% of all vehicles registered in Australia for 2012, the second highest proportion behind passenger vehicles. Since 2007, the Australian Capital Territory had largest percentage growth (27.2%), followed by the Northern Territory (25.3%) and Western Australia (23.9%). New South Wales had the smallest growth (15.9%).

Motor cycles accounted for 4.2% of all vehicles registered in Australia for the 2012 MVC, up from 3.5% in 2007. Western Australia recorded the largest percentage increase (57.6%), followed by the Australian Capital Territory (47.8%).

Rigid trucks accounted for 2.7% of the total number of vehicles registered in 2012 and 2007. Registrations of Rigid trucks with a gross vehicle mass (GVM) greater than 20 tonnes have increased by 22.3% since 2007, while registrations of Rigid trucks with a GVM of 20 tonnes or less have increased by 11.1% over the same period.

## SUMMARY OF FINDINGS *continued*

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### CHARACTERISTICS OF THE FLEET *continued*

For the 2012 MVC, Articulated trucks only accounted for 0.5% of the total number of registered vehicles in Australia. From 2007 to 2012, the number of registrations of Articulated trucks with a GCM over 20 to 40 tonnes has decreased by 26.4%, while the number of Articulated trucks with GCM over 60 to 100 tonnes and greater than 100 tonnes has increased by 31% and 49% respectively.

## MOTOR VEHICLES ON REGISTER, Type of vehicle—Census years

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania (a)	Northern Territory	Australian Capital Territory (b)	Total
PASSENGER VEHICLES									
2007	3 464 250	3 049 224	2 220 568	927 313	1 254 426	275 146	75 618	195 855	11 462 400
2011	3 742 476	3 310 682	2 435 830	992 624	1 394 241	295 955	85 216	217 020	12 474 044
2012	3 803 926	3 373 564	2 489 266	1 000 132	1 432 969	303 622	87 284	223 472	12 714 235
CAMPERVANS									
2007	8 620	9 668	9 119	4 164	7 370	3 683	183	459	43 266
2011	10 537	11 147	11 978	4 059	7 941	4 284	251	456	50 653
2012	11 183	11 632	12 449	4 002	8 127	4 503	244	460	52 600
LIGHT COMMERCIAL VEHICLES									
2007	599 420	495 649	550 453	148 920	268 330	76 052	29 960	20 775	2 189 559
2011	675 152	562 844	653 400	172 631	318 147	87 113	36 005	25 338	2 530 630
2012	694 775	580 727	678 393	176 834	332 417	90 681	37 537	26 435	2 617 799
LIGHT RIGID TRUCKS									
2007	34 291	21 100	25 326	5 011	10 136	2 472	633	635	99 604
2011	39 460	25 566	30 970	6 196	13 160	2 705	645	837	119 539
2012	40 674	26 457	32 154	6 412	14 258	2 838	626	872	124 291
HEAVY RIGID TRUCKS									
2007	80 539	73 339	63 709	21 938	42 538	7 917	3 218	1 689	294 887
2011	84 401	77 339	69 262	23 692	49 089	8 597	4 116	1 727	318 223
2012	85 087	78 324	70 124	23 566	50 483	8 578	4 207	1 746	322 115
ARTICULATED TRUCKS									
2007	16 342	22 389	16 734	6 446	9 985	1 491	832	225	74 444
2011	18 578	25 134	18 899	7 835	12 590	1 677	1 069	183	85 965
2012	19 009	25 265	19 595	8 016	13 217	1 625	1 099	169	87 995
NON-FREIGHT CARRYING TRUCKS									
2007	3 597	6 000	4 578	1 727	4 006	976	275	88	21 247
2011	3 320	6 208	5 226	1 864	4 582	1 032	327	97	22 656
2012	3 111	6 183	5 358	1 908	4 719	997	341	105	22 722
BUSES									
2007	20 772	16 887	17 336	4 544	11 673	2 308	3 094	934	77 548
2011	23 390	18 817	19 542	5 271	13 597	2 594	3 592	1 080	87 883
2012	23 762	19 354	20 220	5 462	14 371	2 701	3 660	1 069	90 599
MOTOR CYCLES									
2007	133 406	123 806	125 594	36 898	68 031	11 181	4 365	8 685	511 966
2011	181 107	160 634	156 825	47 753	99 392	15 052	5 861	12 166	678 790
2012	188 469	164 778	164 752	48 709	107 195	16 446	6 103	12 836	709 288
TOTAL MOTOR VEHICLES									
2007	4 361 237	3 818 062	3 033 417	1 156 961	1 676 495	381 226	118 178	229 345	14 774 921
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
2012	4 869 996	4 286 284	3 492 311	1 275 041	1 977 756	431 991	141 101	267 164	16 741 644

(a) Prior to 2009, excludes vehicles with registration expiry less than one month before the census date.

(b) See Technical Note ACT Data regarding 2007 data.

## MOTOR VEHICLES ON REGISTER, PER 1000 POPULATION (a)—Census years

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania (b)	Northern Territory	Australian Capital Territory (c)	Australia
	no.	no.	no.	no.	no.	no.	no.	no.	no.
PASSENGER VEHICLES									
2007	504	588	534	586	599	558	354	579	547
2011	516	595	537	602	605	582	370	603	557
2012	525	605	552	608	600	593	376	603	565
CAMPERVANS									
2007	1	2	2	3	4	7	1	1	2
2011	1	2	3	2	3	8	1	1	2
2012	2	2	3	2	3	9	1	1	2
LIGHT COMMERCIAL VEHICLES									
2007	87	96	132	94	128	154	140	61	105
2011	93	101	144	105	138	171	156	70	113
2012	96	104	150	107	139	177	162	71	116
LIGHT RIGID TRUCKS									
2007	5	4	6	3	5	5	3	2	5
2011	5	5	7	4	6	5	3	2	5
2012	6	5	7	4	6	6	3	2	6
HEAVY RIGID TRUCKS									
2007	12	14	15	14	20	16	15	5	14
2011	12	14	15	14	21	17	18	5	14
2012	12	14	16	14	21	17	18	5	14
ARTICULATED TRUCKS									
2007	2	4	4	4	5	3	4	1	4
2011	3	5	4	5	5	3	5	1	4
2012	3	5	4	5	6	3	5	—	4
NON-FREIGHT CARRYING VEHICLES									
2007	1	1	1	1	2	2	1	—	1
2011	—	1	1	1	2	2	1	—	1
2012	—	1	1	1	2	2	1	—	1
BUSES									
2007	3	3	4	3	6	5	14	3	4
2011	3	3	4	3	6	5	16	3	4
2012	3	3	4	3	6	5	16	3	4
MOTOR CYCLES									
2007	19	24	30	23	32	23	20	26	24
2011	25	29	35	29	43	30	25	34	30
2012	26	30	37	30	45	32	26	35	32
TOTAL MOTOR VEHICLES									
2007	634	736	729	732	800	774	553	678	705
2011	659	754	751	766	829	824	596	720	730
2012	672	769	774	775	828	844	607	721	745

— nil or rounded to zero (including null cells)

(b) Prior to 2009, excludes vehicles with registration expiry less than one month before the census date.

(a) 2007 ERP and MVC are as at 31 March. Both 2012 and 2011 MVC data are as at 31 January. 2011 ERP data are as at 30 September and 2012 as at 31 December 2011.

(c) See Technical Note ACT Data regarding 2007 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									
2007	9.1	10.1	9.4	11.0	9.9	11.5	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
2012	9.4	10.1	9.4	11.1	9.8	11.9	8.8	9.4	9.8
CAMPERVANS									
2007	17.0	19.0	15.6	20.9	21.1	20.4	20.0	19.5	18.6
2011	16.2	17.8	14.1	21.8	21.6	20.3	19.5	19.5	17.8
2012	16.0	17.6	14.1	21.5	21.7	20.5	19.3	19.0	17.6
LIGHT COMMERCIAL VEHICLES									
2007	10.0	11.4	10.1	11.4	11.0	12.8	9.3	9.7	10.7
2011	10.1	11.0	9.8	11.0	10.4	12.5	8.9	9.4	10.4
2012	10.5	11.7	11.3	11.7	12.4	13.7	10.2	9.6	11.3
LIGHT RIGID TRUCKS									
2007	10.9	11.6	10.5	12.0	11.9	15.1	9.6	11.2	11.2
2011	10.8	11.2	10.3	11.6	11.1	14.8	10.8	10.2	10.9
2012	10.8	11.3	10.3	11.5	10.9	15.0	11.6	10.4	10.9
HEAVY RIGID TRUCKS									
2007	14.0	17.3	14.2	17.1	17.7	17.0	13.2	11.1	15.7
2011	14.2	17.0	13.9	16.8	16.9	16.7	12.7	11.0	15.5
2012	14.4	17.0	14.0	16.8	16.9	17.4	12.9	11.0	15.6
ARTICULATED TRUCKS									
2007	10.1	11.4	10.5	10.9	12.3	9.9	12.9	8.3	11.0
2011	11.2	11.7	10.6	11.5	11.9	9.7	12.0	9.1	11.3
2012	11.2	12.0	10.9	11.4	12.0	10.3	11.9	9.4	11.5
NON-FREIGHT CARRYING TRUCKS									
2007	12.2	15.4	10.8	14.8	16.3	16.1	14.4	13.4	14.0
2011	13.3	15.6	10.8	14.9	15.6	15.6	13.2	9.7	14.1
2012	14.0	15.9	10.8	14.7	15.7	15.8	12.8	9.4	14.2
BUSES									
2007	11.3	11.2	10.4	11.9	10.9	15.2	8.7	11.2	11.1
2011	11.2	11.5	10.0	12.0	10.7	14.4	8.8	11.7	11.0
2012	11.2	11.5	10.0	11.6	10.6	14.5	8.9	11.3	10.9
MOTOR CYCLES									
2007	8.7	9.3	8.6	8.5	10.5	10.4	7.4	8.8	9.1
2011	8.5	9.3	8.6	9.0	9.9	10.4	6.9	8.5	9.0
2012	8.6	9.4	8.8	9.4	10.1	10.7	7.2	8.6	9.1
TOTAL MOTOR VEHICLES									
2007	9.3	10.4	9.6	11.1	10.4	11.9	9.0	9.4	10.0
2011	9.5	10.4	9.5	11.1	10.1	12.0	8.9	9.4	10.0
2012	9.5	10.3	9.5	11.2	10.2	12.2	9.0	9.4	10.0

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

(b) Prior to 2009, excludes vehicles with registration expiry less than one month before the census date.

(c) See Technical Note ACT Data regarding 2007 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
PASSENGER VEHICLES						
2007	752 968	10 018 443	10 771 411	434 594	256 395	11 462 400
2011	401 751	10 947 713	11 349 464	763 853	360 727	12 474 044
2012	355 103	11 116 308	11 471 411	882 823	360 001	12 714 235
CAMPERVANS						
2007	11 277	7 008	18 285	22 708	2 273	43 266
2011	8 337	9 231	17 568	30 629	2 456	50 653
2012	7 662	9 883	17 545	32 657	2 398	52 600
LIGHT COMMERCIAL VEHICLES						
2007	216 729	1 164 717	1 381 446	696 128	111 985	2 189 559
2011	127 808	1 219 187	1 346 995	1 042 159	141 476	2 530 630
2012	113 382	1 214 746	1 328 128	1 149 899	139 772	2 617 799
LIGHT RIGID TRUCKS						
2007	7 583	4 858	12 441	85 320	1 843	99 604
2011	4 828	4 884	9 712	107 913	1 914	119 539
2012	4 392	4 819	9 211	113 193	1 887	124 291
HEAVY RIGID TRUCKS						
2007	22 676	4 284	26 960	266 206	1 721	294 887
2011	16 017	4 256	20 273	296 373	1 577	318 223
2012	14 540	4 151	18 691	301 877	1 547	322 115
ARTICULATED TRUCKS						
2007	571	989	1 560	72 803	81	74 444
2011	438	1 119	1 557	84 256	152	85 965
2012	371	1 047	1 418	86 413	164	87 995
NON-FREIGHT CARRYING TRUCKS						
2007	2 478	1 908	4 386	16 258	603	21 247
2011	1 711	1 809	3 520	18 580	556	22 656
2012	1 579	1 754	3 333	18 878	511	22 722
BUSES						
2007	1 590	14 306	15 896	59 283	2 369	77 548
2011	865	16 648	17 513	66 513	3 857	87 883
2012	745	16 919	17 664	68 763	4 172	90 599
MOTOR CYCLES						
2007	63 853	448 072	511 925	2	39	511 966
2011	52 590	625 352	677 942	1	847	678 790
2012	49 353	659 741	709 094	2	192	709 288
TOTAL MOTOR VEHICLES						
2007	1 079 725	11 664 585	12 744 310	1 653 302	377 309	14 774 921
2011	614 345	12 830 199	13 444 544	2 410 277	513 562	16 368 383
2012	547 127	13 029 368	13 576 495	2 654 505	510 644	16 741 644

(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			Diesel	LPG/Dual fuel/Other	Total
	Leaded	Unleaded	Total			
NEW SOUTH WALES						
2007	231 330	3 626 090	3 857 420	430 364	73 453	4 361 237
2011	129 692	3 912 391	4 042 083	612 969	123 369	4 778 421
2012	115 736	3 954 769	4 070 505	676 449	123 042	4 869 996
VICTORIA						
2007	312 004	2 985 785	3 297 789	331 640	188 633	3 818 062
2011	179 465	3 262 847	3 442 312	509 740	246 319	4 198 371
2012	155 914	3 317 503	3 473 417	568 385	244 482	4 286 284
QUEENSLAND						
2007	213 395	2 332 740	2 546 135	440 765	46 517	3 033 417
2011	118 413	2 590 381	2 708 794	636 558	56 580	3 401 932
2012	106 029	2 630 557	2 736 586	697 605	58 120	3 492 311
SOUTH AUSTRALIA						
2007	120 372	922 693	1 043 065	102 269	11 627	1 156 961
2011	65 816	1 031 479	1 097 295	152 531	12 099	1 261 925
2012	56 335	1 039 212	1 095 547	167 585	11 909	1 275 041
WESTERN AUSTRALIA						
2007	134 759	1 238 160	1 372 919	256 379	47 197	1 676 495
2011	82 327	1 402 985	1 485 312	364 294	63 133	1 912 739
2012	77 429	1 441 510	1 518 939	397 876	60 941	1 977 756
TASMANIA (b)						
2007	48 131	278 702	326 833	50 935	3 458	381 226
2011	28 140	315 352	343 492	71 236	4 281	419 009
2012	26 400	324 011	350 411	77 190	4 390	431 991
NORTHERN TERRITORY						
2007	5 736	81 117	86 853	30 164	1 161	118 178
2011	2 851	91 551	94 402	41 466	1 214	137 082
2012	2 566	93 294	95 860	44 010	1 231	141 101
AUSTRALIAN CAPITAL TERRITORY (c)						
2007	13 998	199 298	213 296	10 786	5 263	229 345
2011	7 641	223 213	230 854	21 483	6 567	258 904
2012	6 718	228 512	235 230	25 405	6 529	267 164
AUSTRALIA						
2007	1 079 725	11 664 585	12 744 310	1 653 302	377 309	14 774 921
2011	614 345	12 830 199	13 444 544	2 410 277	513 562	16 368 383
2012	547 127	13 029 368	13 576 495	2 654 505	510 644	16 741 644

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

(b) Prior to 2009, excludes vehicles with registration expiry less than one month before the census date.

(c) See Technical Note ACT Data regarding 2007 data.

## PASSENGER VEHICLES ON REGISTER, Top 30 Makes—Census years

	2007(a)	2011	2012	Change 07/12(b)	Change 11/12(b)
	no.	no.	no.	%	%
Toyota	2 189 889	2 500 195	2 542 271	16.1	1.7
Holden	2 071 363	2 056 880	2 051 498	-1.0	-0.3
Ford	1 837 094	1 654 216	1 606 936	-12.5	-2.9
Mitsubishi	970 490	921 909	906 782	-6.6	-1.6
Mazda	568 253	751 968	808 719	42.3	7.5
Nissan	740 457	736 431	748 650	1.1	1.7
Hyundai	564 949	696 588	735 904	30.3	5.6
Honda	456 930	587 316	603 398	32.1	2.7
Subaru	359 314	472 251	495 582	37.9	4.9
BMW	192 666	249 035	262 380	36.2	5.4
Volkswagen	126 378	218 971	255 486	102.2	16.7
Mercedes					
Benz	185 110	224 504	235 510	27.2	4.9
Suzuki	150 331	208 677	223 950	49.0	7.3
Kia	122 717	190 806	210 260	71.3	10.2
Audi	46 334	82 205	94 424	103.8	14.9
Peugeot	66 869	83 051	85 534	27.9	3.0
Daewoo	126 381	95 314	83 879	-33.6	-12.0
Daihatsu	124 910	88 906	79 057	-36.7	-11.1
Jeep	57 335	71 433	78 221	36.4	9.5
Volvo	75 924	73 362	76 129	0.3	3.8
Lexus	41 879	65 274	70 346	68.0	7.8
Land Rover	58 420	63 871	66 491	13.8	4.1
Chrysler	44 478	43 785	42 515	-4.4	-2.9
Saab	42 296	37 474	35 109	-17.0	-6.3
Renault	20 516	24 750	26 960	31.4	8.9
Jaguar	26 353	26 630	26 329	-0.1	-1.1
Porsche	18 014	21 987	23 169	28.6	5.4
Alfa Romeo	21 665	23 029	23 063	6.5	0.1
Citroen	15 791	21 802	22 571	42.9	3.5
Other	139 294	181 424	193 112	38.6	6.4
<b>Total</b>	<b>11 462 400</b>	<b>12 474 044</b>	<b>12 714 235</b>	<b>10.9</b>	<b>1.9</b>

(a) See Technical Note ACT Data regarding 2007 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
NEW SOUTH WALES						
2007	34 290	21 835	24 376	15 229	19 100	114 830
2011	39 460	21 437	26 053	15 249	21 662	123 861
2012	40 674	21 070	26 763	15 096	22 158	125 761
VICTORIA						
2007	21 100	18 892	21 779	15 326	17 341	94 438
2011	25 566	18 011	23 271	15 628	20 429	102 905
2012	26 457	18 645	22 869	15 773	21 037	104 781
QUEENSLAND						
2007	25 326	13 807	17 591	15 589	16 722	89 035
2011	30 970	14 127	19 443	15 873	19 819	100 232
2012	32 154	14 194	19 448	15 844	20 638	102 278
SOUTH AUSTRALIA						
2007	5 225	5 098	6 714	4 738	5 174	26 949
2011	6 196	5 043	7 134	4 987	6 528	29 888
2012	6 412	5 048	6 962	4 993	6 563	29 978
WESTERN AUSTRALIA						
2007	10 136	10 462	10 422	10 317	11 337	52 674
2011	13 160	11 972	11 829	10 986	14 302	62 249
2012	14 258	12 289	12 084	11 094	15 016	64 741
TASMANIA (a)						
2007	2 472	2 453	1 882	1 562	2 020	10 389
2011	2 705	2 731	2 135	1 547	2 184	11 302
2012	2 838	2 749	2 173	1 506	2 150	11 416
NORTHERN TERRITORY						
2007	633	1 166	790	680	582	3 851
2011	645	1 437	1 013	799	867	4 761
2012	626	1 448	1 045	792	922	4 833
AUSTRALIAN CAPITAL TERRITORY (b)						
2007	635	443	494	300	452	2 324
2011	837	410	541	306	470	2 564
2012	872	426	546	299	475	2 618
AUSTRALIA						
2007	99 817	74 156	84 048	63 741	72 728	394 490
2011	119 539	75 168	91 419	65 375	86 261	437 762
2012	124 291	75 869	91 890	65 397	88 959	446 406

(a) Prior to 2009, excludes vehicles with registration expiry less than one month before the census date.

(b) See Technical Note ACT Data regarding 2007 data.

GCM (TONNES)						
	Over 3 to 20	Over 20 to 40	Over 40 to 60	Over 60 to 100	Greater than 100	Total
NEW SOUTH WALES						
2007	57	1 331	6 172	8 230	531	16 321
2011	43	1 174	5 945	10 727	689	18 578
2012	40	1 096	6 007	11 121	745	19 009
VICTORIA						
2007	380	3 276	8 464	10 262	7	22 389
2011	414	2 759	8 238	13 717	6	25 134
2012	402	2 542	9 006	13 310	5	25 265
QUEENSLAND						
2007	62	1 351	5 453	7 623	2 245	16 734
2011	42	1 075	5 142	9 581	3 059	18 899
2012	42	1 053	5 106	10 024	3 370	19 595
SOUTH AUSTRALIA						
2007	30	575	3 028	2 425	388	6 446
2011	31	542	3 553	3 115	594	7 835
2012	25	490	3 553	3 267	681	8 016
WESTERN AUSTRALIA						
2007	75	1 294	8 444	135	37	9 985
2011	76	1 078	11 259	149	28	12 590
2012	75	1 029	11 916	171	26	13 217
TASMANIA (a)(b)						
2007	np	np	np	np	np	1 491
2011	254	65	437	920	1	1 677
2012	313	58	440	814	—	1 625
NORTHERN TERRITORY						
2007	5	41	125	165	496	832
2011	5	37	140	235	652	1 069
2012	5	31	127	242	694	1 099
AUSTRALIAN CAPITAL TERRITORY (c)						
2007	1	18	111	94	1	225
2011	2	14	75	91	1	183
2012	2	12	65	89	1	169
AUSTRALIA						
2007	611	7 974	32 320	29 811	3 707	74 423
2011	867	6 744	34 789	38 535	5 030	85 965
2012	904	6 311	36 220	39 038	5 522	87 995

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated.

(a) Prior to 2009, excludes vehicles with registration expiry less than a month before the census date.

(b) For 2007, data is not published due to quality concerns.

(c) See Technical Note ACT Data regarding 2007 data. See Technical Note ACT

## 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 1996	648 418	686 306	446 725	251 338	276 789	87 973	13 999	37 780	2 449 328
1997–2001	850 750	755 179	510 954	227 188	287 239	68 346	17 467	49 275	2 766 398
2002–2006	1 104 575	918 024	726 898	271 757	417 725	76 708	24 656	66 769	3 607 112
2007–2011	1 194 455	1 008 424	788 084	249 401	448 283	70 343	31 042	69 402	3 859 434
2012(b)	5 723	5 483	3 550	427	2 930	223	114	240	18 690
Not stated	5	148	13 055	21	3	29	6	6	13 273
<b>Total</b>	<b>3 803 926</b>	<b>3 373 564</b>	<b>2 489 266</b>	<b>1 000 132</b>	<b>1 432 969</b>	<b>303 622</b>	<b>87 284</b>	<b>223 472</b>	<b>12 714 235</b>
CAMPERVANS									
To 1996	4 978	5 755	4 893	2 686	5 195	2 845	149	259	26 760
1997–2001	2 015	1 044	1 355	433	874	493	35	61	6 310
2002–2006	2 092	1 503	2 236	468	1 251	643	31	72	8 296
2007–2011	2 094	3 326	3 710	415	807	521	29	68	10 970
2012(b)	4	—	8	—	—	—	—	—	12
Not stated	—	4	247	—	—	1	—	—	252
<b>Total</b>	<b>11 183</b>	<b>11 632</b>	<b>12 449</b>	<b>4 002</b>	<b>8 127</b>	<b>4 503</b>	<b>244</b>	<b>460</b>	<b>52 600</b>
LIGHT COMMERCIAL VEHICLES									
To 1996	154 298	146 005	151 116	46 880	81 395	32 129	6 948	5 062	623 833
1997–2001	129 396	103 363	109 842	30 974	49 808	16 064	5 890	4 326	449 663
2002–2006	189 237	155 846	187 281	46 825	89 483	21 792	10 902	7 577	708 943
2007–2011	221 165	174 993	227 211	52 111	111 424	20 652	13 780	9 458	830 794
2012(b)	678	486	702	40	307	38	17	11	2 279
Not stated	1	34	2 241	4	—	6	—	1	2 287
<b>Total</b>	<b>694 775</b>	<b>580 727</b>	<b>678 393</b>	<b>176 834</b>	<b>332 417</b>	<b>90 681</b>	<b>37 537</b>	<b>26 435</b>	<b>2 617 799</b>
LIGHT RIGID TRUCKS									
To 1996	10 839	6 934	7 522	1 773	3 936	1 181	179	198	32 562
1997–2001	6 631	3 383	4 422	914	1 408	388	148	127	17 421
2002–2006	10 656	7 629	9 605	1 829	4 283	718	176	251	35 147
2007–2011	12 494	8 488	10 236	1 888	4 622	550	123	296	38 697
2012(b)	53	19	16	6	8	—	—	—	102
Not stated	1	4	353	2	1	1	—	—	362
<b>Total</b>	<b>40 674</b>	<b>26 457</b>	<b>32 154</b>	<b>6 412</b>	<b>14 258</b>	<b>2 838</b>	<b>626</b>	<b>872</b>	<b>124 291</b>
HEAVY RIGID TRUCKS									
To 1996	34 690	38 183	27 406	11 667	25 067	4 683	1 572	492	143 760
1997–2001	12 725	10 424	9 156	2 939	5 436	964	677	232	42 553
2002–2006	19 239	14 663	15 738	4 348	8 494	1 511	840	502	65 335
2007–2011	18 417	15 013	17 305	4 607	11 483	1 420	1 118	519	69 882
2012(b)	16	16	5	5	3	—	—	1	46
Not stated	—	25	514	—	—	—	—	—	539
<b>Total</b>	<b>85 087</b>	<b>78 324</b>	<b>70 124</b>	<b>23 566</b>	<b>50 483</b>	<b>8 578</b>	<b>4 207</b>	<b>1 746</b>	<b>322 115</b>
ARTICULATED TRUCKS									
To 1996	5 096	7 545	4 953	2 305	3 928	355	356	29	24 567
1997–2001	2 857	3 572	2 813	1 277	1 991	225	184	27	12 946
2002–2006	5 275	6 493	5 497	2 024	3 577	548	251	71	23 736
2007–2011	5 758	7 635	6 260	2 402	3 707	497	308	42	26 609
2012(b)	23	18	12	8	14	—	—	—	75
Not stated	—	2	60	—	—	—	—	—	62
<b>Total</b>	<b>19 009</b>	<b>25 265</b>	<b>19 595</b>	<b>8 016</b>	<b>13 217</b>	<b>1 625</b>	<b>1 099</b>	<b>169</b>	<b>87 995</b>

— nil or rounded to zero (including null cells)

(b) Vehicles manufactured in one year are generally not available for sale until after 31 January of that year.

(a) Prior to 2009, 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.
<b>BUSES</b>									
To 1996	7 360	6 019	5 037	1 834	4 323	1 315	732	401	27 021
1997–2001	4 910	4 004	3 623	940	2 386	390	630	122	17 005
2002–2006	4 448	4 051	4 819	1 137	2 916	446	861	195	18 873
2007–2011	7 030	5 249	6 668	1 546	4 722	550	1 432	350	27 547
2012(b)	14	31	41	5	24	—	5	1	121
Not stated	—	—	32	—	—	—	—	—	32
<b>Total</b>	<b>23 762</b>	<b>19 354</b>	<b>20 220</b>	<b>5 462</b>	<b>14 371</b>	<b>2 701</b>	<b>3 660</b>	<b>1 069</b>	<b>90 599</b>
<b>MOTOR CYCLES</b>									
To 1996	29 594	29 477	26 265	7 928	22 582	3 707	707	1 992	122 252
1997–2001	26 180	27 210	20 904	6 169	11 888	2 726	671	1 900	97 648
2002–2006	49 876	42 511	49 500	12 679	26 121	4 108	1 484	3 342	189 621
2007–2011	82 616	65 244	64 928	19 603	46 357	5 889	3 227	5 593	293 457
2012(b)	203	172	164	35	246	14	13	9	856
Not stated	—	164	2 991	2 295	1	2	1	—	5 454
<b>Total</b>	<b>188 469</b>	<b>164 778</b>	<b>164 752</b>	<b>48 709</b>	<b>107 195</b>	<b>16 446</b>	<b>6 103</b>	<b>12 836</b>	<b>709 288</b>
<b>NON-FREIGHT CARRYING TRUCKS</b>									
To 1996	1 117	2 867	1 347	849	1 953	458	115	22	8 728
1997–2001	564	950	861	273	683	125	67	12	3 535
2002–2006	940	1 252	1 385	295	1 032	217	59	27	5 207
2007–2011	490	1 112	1 731	491	1 051	196	100	44	5 215
2012(b)	—	1	—	—	—	—	—	—	1
Not stated	—	1	34	—	—	1	—	—	36
<b>Total</b>	<b>3 111</b>	<b>6 183</b>	<b>5 358</b>	<b>1 908</b>	<b>4 719</b>	<b>997</b>	<b>341</b>	<b>105</b>	<b>22 722</b>
<b>TOTAL MOTOR VEHICLES</b>									
To 1996	896 390	929 091	675 264	327 260	425 168	134 646	24 757	46 235	3 458 811
1997–2001	1 036 028	909 129	663 930	271 107	361 713	89 721	25 769	56 082	3 413 479
2002–2006	1 386 338	1 151 972	1 002 959	341 362	554 882	106 691	39 260	78 806	4 662 270
2007–2011	1 544 519	1 289 484	1 126 133	332 464	632 456	100 618	51 159	85 772	5 162 605
2012(b)	6 714	6 226	4 498	526	3 532	275	149	262	22 182
Not stated	7	382	19 527	2 322	5	40	7	7	22 297
<b>Total</b>	<b>4 869 996</b>	<b>4 286 284</b>	<b>3 492 311</b>	<b>1 275 041</b>	<b>1 977 756</b>	<b>431 991</b>	<b>141 101</b>	<b>267 164</b>	<b>16 741 644</b>

— nil or rounded to zero (including null cells)

(a) Prior to 2009, excludes vehicles with registration expiry less than one month before the census date.

(b) Vehicles manufactured in one year are generally not available for sale until after 31 January of that year.

## 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 2012.

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

2012, 31 January	1998, 31 October
2011, 31 January	1987, 31 October
2010, 31 March	1996, 31 October
2009, 31 March	1995, 30 May
2008, 31 March	1993, 30 June
2007, 31 March	1991, 30 September
2006, 31 March	1988, 30 September
2005, 31 March	1985, 30 September
2004, 31 March	1982, 30 September
2003, 31 March	1979, 30 September
2002, 31 March	1976, 30 September
2001, 31 March	1971, 30 September
1999, 31 October	

### 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, STATE/TERRITORY - CENSUS YEARS

	<i>Between 2007 and 2008</i>		<i>Between 2008 and 2009</i>		<i>Between 2009 and 2010</i>		<i>Between 2010 and 2011</i>		<i>Between 2011 and 2012</i>	
	no.	%	no.	%	no.	%	no.	%	no.	
NSW	178 856	3.9	256 868	5.5	197 826	4.2	171 296	3.6	230 825	
Vic.	178 750	4.5	176 676	4.4	165 499	4.0	152 483	3.6	184 384	
Qld	107 629	3.4	105 556	3.3	135 271	4.1	127 418	3.8	130 856	
SA	43 554	3.7	36 588	3.0	35 204	2.9	33 639	2.7	50 430	
WA	61 171	3.5	38 675	2.2	68 840	3.7	61 357	3.3	53 003	
Tas.	10 679	2.7	10 111	2.5	9 661	2.4	7 927	1.9	4 880	
NT	5 983	4.8	4 761	3.7	4 034	3.0	6 042	4.4	6 263	
ACT	10 554	4.4	11 073	4.5	9 206	3.7	8 567	3.4	8 232	
Aust.	597 176	3.9	640 308	4.1	625 541	3.9	568 729	3.5	668 873	

METHODOLOGY

**8** The 2012 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 2012. 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*

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### 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

### 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
<b>Total motor vehicles</b>	<b>4 855</b>	<b>4 876</b>	<b>5 083</b>	<b>5 289</b>

#### 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
<b>Total motor vehicles</b>	<b>220 544</b>	<b>224 428</b>	<b>229 159</b>	<b>234 634</b>

— nil or rounded to zero (including null cells)

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

**5** Note that 2007 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 T<sub>1</sub> is the number of registrations at the first time point, N<sub>1</sub> is the number of new sales between the first and second time points, T<sub>2</sub> 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 P<sub>0</sub> is the population at the start of the period, P<sub>n</sub> is the population at the end of the period and M is the length of the period between P<sub>n</sub> and P<sub>0</sub> 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.
<b>Estimated Resident Population (ERP)</b>	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.
<b>Fuel</b>	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.
<b>Gross Combination Mass (GCM)</b>	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.
<b>Gross Vehicle Mass (GVM)</b>	Tare weight (i.e. unladen weight) of the motor vehicle, plus its maximum carrying capacity excluding trailers.
<b>Heavy rigid trucks</b>	Rigid trucks of GVM greater than 4.5 tonnes.
<b>Light commercial vehicles</b>	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).
<b>Light rigid trucks</b>	Rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes.
<b>Make</b>	The manufacturer of the motor vehicle (e.g. Ford, Holden, Mitsubishi, Toyota).
<b>Motorcycles</b>	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.
<b>Non-freight carrying trucks</b>	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).
<b>Passenger vehicles</b>	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.
<b>Rigid trucks</b>	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"> <li>■ Light rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes</li> <li>■ Heavy rigid trucks of GVM greater than 4.5 tonnes.</li> </ul>
<b>State/territory</b>	The state or territory of the motor registry at which a vehicle is registered.

## FOR MORE INFORMATION . . .

*INTERNET*      **www.abs.gov.au** the ABS website is the best place for data from our publications and information about the ABS.

### INFORMATION AND REFERRAL SERVICE

Our consultants can help you access the full range of information published by the ABS that is available free of charge from our website. Information tailored to your needs can also be requested as a 'user pays' service. Specialists are on hand to help you with analytical or methodological advice.

*PHONE*                      1300 135 070

*EMAIL*                      [client.services@abs.gov.au](mailto:client.services@abs.gov.au)

*FAX*                              1300 135 211

*POST*                          Client Services, ABS, GPO Box 796, Sydney NSW 2001

## FREE ACCESS TO STATISTICS

All statistics on the ABS website can be downloaded free of charge.

*WEB ADDRESS*      [www.abs.gov.au](http://www.abs.gov.au)