

Motor Vehicle Registrations Western Australia December 1993

MAIN FEATURES

In original terms, new motor vehicle registrations (excluding motor cycles) showed strong growth in the last two months of 1993 with November (5,361) and December (5,471) being 9.9 per cent and 12.1 per cent (respectively) above average monthly registrations for the year. The strong end-of-year result is attributable in the main to:

- intensive manufacturer/dealer marketing activities
- an increase in commercial and fleet vehicle registrations in line with an improved national economic outlook.

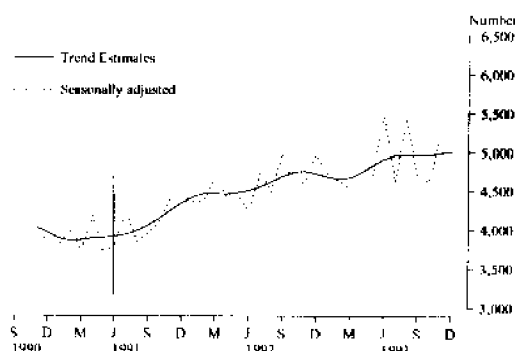
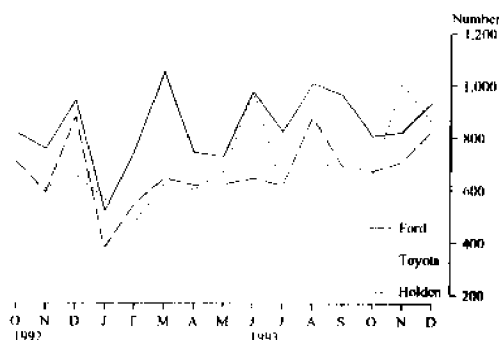
The trend series has generally shown steady growth during 1993, increasing overall by 5.9 per cent from 4,724 in December 1992 to 5,005 in December 1993.

Compared with the 1992 calendar year (55,153), original registrations increased by 6.2 per cent to 58,565.

For the 1993 calendar year:

- Ford dominated the passenger vehicle market with 10,166 registrations (21.7 per cent) followed by Toyota (8,420 or 18.0 per cent) and Holden (7,850 or 16.8 per cent).
- The Ford Falcon/Fairmont was the leading passenger vehicle model (13.0 per cent of the market). Next were the Holden Commodore/Calais (10.6 per cent), Mitsubishi Magna (7.0 per cent), Hyundai Excel (5.8 per cent) and Toyota's Corolla and Camry (both 5.2 per cent).

NEW MOTOR VEHICLE REGISTRATIONS

NEW PASSENGER VEHICLES
TOP THREE MAKES

INQUIRIES

- For further information about these statistics and the availability of related unpublished statistics, contact Robin Dalby on (09) 323 5149.
- For other inquiries, including copies of publications, please contact Information Services on (09) 323 5140.

TABLE 1 – NEW MOTOR VEHICLES (a) REGISTERED, WESTERN AUSTRALIA

| Period | Passenger vehicles | Light commercial vehicles | Rigid trucks | Articulated trucks | Non-freight carrying trucks (b) | Buses | Motor cycles | Total | Perth Statistical Division |
|--------------|--------------------|---------------------------|--------------|--------------------|---------------------------------|-------|--------------|--------|----------------------------|
| 1990-91 (c) | 36,926 | 6,507 | 3,497 | 138 | 74 | 658 | 2,784 | 50,584 | 40,004 |
| 1991-92 | 41,979 | 7,664 | 1,024 | 109 | 101 | 675 | 1,814 | 53,366 | 41,926 |
| 1992-93 | 45,567 | 9,581 | 1,009 | 125 | 84 | 757 | 2,117 | 59,240 | 46,593 |
| 1992 October | 3,775 | 862 | 90 | 11 | 14 | 45 | 209 | 5,006 | 3,903 |
| November | 3,657 | 725 | 88 | 10 | 12 | 64 | 160 | 4,716 | 3,727 |
| December | 4,264 | 823 | 107 | 12 | 6 | 72 | 287 | 5,571 | 4,437 |
| 1993 January | 3,179 | 679 | 42 | 13 | 5 | 56 | 182 | 4,156 | 3,260 |
| February | 3,452 | 741 | 69 | 5 | 6 | 52 | 224 | 4,549 | 3,586 |
| March | 4,002 | 881 | 93 | 11 | 6 | 60 | 180 | 5,233 | 4,147 |
| April | 3,444 | 705 | 73 | 9 | 5 | 54 | 241 | 4,531 | 3,510 |
| May | 3,497 | 863 | 81 | 14 | 7 | 61 | 112 | 4,635 | 3,580 |
| June | 4,467 | 1,286 | 128 | 19 | 4 | 108 | 98 | 6,110 | 4,605 |
| July | 3,742 | 719 | 94 | 14 | 6 | 52 | 134 | 4,761 | 3,777 |
| August | 4,799 | 657 | 79 | 16 | 5 | 42 | 134 | 5,732 | 4,583 |
| September | 3,861 | 726 | 88 | 8 | 6 | 55 | 142 | 4,886 | 3,918 |
| October | 3,674 | 753 | 88 | 17 | 6 | 49 | 156 | 4,743 | 3,675 |
| November | 4,203 | 984 | 91 | 26 | 5 | 52 | 327 | 5,688 | 4,479 |
| December | 4,429 | 829 | 97 | 26 | 9 | 81 | 169 | 5,640 | 4,386 |

(a) Excludes plant and equipment, caravans and trailers. (b) Includes ambulances, hearses, fire engines and fire tenders, tow trucks, mobile cranes, machine mounted non-freight carrying trucks and motorised caravans. (c) Break in the series, see paragraph 2 in the explanatory notes.

TABLE 2 – NEW MOTOR VEHICLES (a) REGISTERED, WESTERN AUSTRALIA
SEASONALLY ADJUSTED AND TREND ESTIMATE

| Period | Passenger vehicles | | | Other vehicles | | | Total | | |
|--------------|--------------------|---------------------|------------------|----------------|---------------------|------------------|----------|---------------------|------------------|
| | Original | Seasonally adjusted | Trend estimate r | Original | Seasonally adjusted | Trend estimate r | Original | Seasonally adjusted | Trend estimate r |
| 1992 October | 3,775 | 3,615 | 3,819 | 1,022 | 943 | 925 | 4,797 | 4,558 | 4,744 |
| November | 3,657 | 3,718 | 3,814 | 899 | 910 | 943 | 4,556 | 4,628 | 4,757 |
| December | 4,264 | 3,968 | 3,780 | 1,020 | 1,009 | 944 | 5,284 | 4,977 | 4,724 |
| 1993 January | 3,179 | 3,722 | 3,743 | 795 | 992 | 940 | 3,974 | 4,714 | 4,683 |
| February | 3,452 | 3,733 | 3,712 | 873 | 899 | 945 | 4,325 | 4,632 | 4,657 |
| March | 4,002 | 3,595 | 3,711 | 1,051 | 942 | 961 | 5,053 | 4,537 | 4,672 |
| April | 3,444 | 3,726 | 3,761 | 846 | 881 | 983 | 4,290 | 4,607 | 4,744 |
| May | 3,497 | 3,719 | 3,836 | 1,026 | 973 | 999 | 4,523 | 4,692 | 4,835 |
| June | 4,467 | 4,165 | 3,917 | 1,545 | 1,295 | 1,000 | 6,012 | 5,460 | 4,917 |
| July | 3,742 | 3,699 | 3,978 | 885 | 922 | 989 | 4,627 | 4,621 | 4,967 |
| August | 4,799 | 4,556 | 4,002 | 799 | 885 | 971 | 5,598 | 5,441 | 4,973 |
| September | 3,861 | 3,773 | 4,003 | 883 | 927 | 960 | 4,744 | 4,700 | 4,963 |
| October | 3,674 | 3,735 | 4,002 | 913 | 879 | 964 | 4,587 | 4,614 | 4,966 |
| November | 4,203 | 4,085 | 4,010 | 1,158 | 1,110 | 980 | 5,361 | 5,195 | 4,990 |
| December | 4,429 | 4,150 | 4,010 | 1,042 | 1,047 | 995 | 5,471 | 5,197 | 5,005 |

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

TABLE 3 – REGISTRATIONS OF NEW PLANT AND EQUIPMENT, CARAVANS AND TRAILERS

| Period | Plant and equipment (a) | Caravans | Trailers | | | Total |
|----------------------------|----------------------------|----------|----------|------|-------|-------|
| | | | Box | Boat | Other | |
| PERTH STATISTICAL DIVISION | | | | | | |
| 1993-- July | 47 | 51 | 349 | 39 | 58 | 446 |
| August | 30 | 52 | 341 | 77 | 77 | 495 |
| September | 35 | 58 | 411 | 106 | 78 | 595 |
| October | 41 | 48 | 394 | 69 | 61 | 524 |
| November | 30 | 54 | 394 | 115 | 99 | 608 |
| December | 37 | 42 | 437 | 114 | 90 | 641 |
| WESTERN AUSTRALIA | | | | | | |
| 1993 -- July | 82 | 66 | 406 | 81 | 107 | 594 |
| August | 56 | 83 | 392 | 119 | 128 | 639 |
| September | 67 | 82 | 462 | 157 | 122 | 741 |
| October | 94 | 69 | 443 | 119 | 122 | 684 |
| November | 129 | 80 | 447 | 207 | 169 | 823 |
| December | 85 | 59 | 507 | 182 | 148 | 837 |

(a) Includes tractors.

**TABLE 4 — REGISTRATIONS OF NEW PASSENGER VEHICLES BY MAKE AND TARE (a) —
DECEMBER 1993**

| Make | Western Australia | | | | | | Perth | | |
|-------------------|-------------------|--------------|-------------|--------------|------------|------------|--------------|--------------|--------------|
| | Tare (kg) - | | | | | | Statistical | | |
| | Up to 900 | 901 - 1100 | 1101 - 1300 | 1301 - 1500 | Over 1500 | Not stated | Total | Per cent | Division |
| Audi | — | — | 3 | 4 | — | — | 7 | 0.2 | 6 |
| B.M.W. | — | — | 28 | 5 | 1 | — | 34 | 0.8 | 31 |
| Daihatsu | 77 | 14 | 15 | — | 1 | — | 107 | 2.4 | 96 |
| Eunos | — | — | 7 | — | — | — | 7 | 0.2 | 6 |
| Ford | 77 | 138 | 31 | 362 | 327 | — | 935 | 21.1 | 751 |
| Holden | 97 | 56 | 57 | 597 | 21 | — | 828 | 18.7 | 684 |
| Honda | — | 53 | 23 | 26 | 1 | — | 103 | 2.3 | 99 |
| Hyundai | — | 335 | 69 | 1 | — | — | 405 | 9.1 | 342 |
| Jaguar | — | — | — | — | 1 | — | 1 | — | 1 |
| Lada | — | 8 | 22 | — | — | — | 30 | 0.7 | 25 |
| Land Rover | — | — | — | — | 51 | — | 51 | 1.2 | 38 |
| Lexus | — | — | — | — | 2 | — | 2 | — | — |
| Mazda | 35 | 39 | 57 | — | 7 | — | 138 | 3.1 | 110 |
| Mercedes Benz | — | — | 3 | 1 | 1 | — | 5 | 0.1 | 5 |
| Mitsubishi | 48 | 46 | 19 | 321 | 74 | — | 508 | 11.5 | 430 |
| Nissan | — | 97 | 31 | 18 | 72 | — | 218 | 4.9 | 175 |
| Peugeot | — | — | 3 | — | — | — | 3 | 0.1 | 2 |
| Porsche | — | — | — | — | 1 | — | 1 | — | 1 |
| Range Rover | — | — | — | — | 5 | — | 5 | 0.1 | 5 |
| Renault | — | 6 | — | — | — | — | 6 | 0.1 | 6 |
| Saab | — | — | — | 5 | — | — | 5 | 0.1 | 5 |
| Subaru | — | 30 | 26 | 8 | — | — | 64 | 1.4 | 52 |
| Suzuki | 27 | 40 | 15 | — | — | — | 82 | 1.9 | 60 |
| Toyota | 3 | 256 | 192 | 179 | 226 | — | 856 | 19.3 | 714 |
| Volkswagen | — | 2 | — | — | — | — | 2 | — | 2 |
| Volvo | — | 3 | 1 | 21 | — | — | 25 | 0.6 | 19 |
| Other and unknown | 1 | — | — | — | — | — | 1 | — | 1 |
| Total | 365 | 1,123 | 602 | 1,548 | 791 | — | 4,429 | 100.0 | 3,666 |

(a) See paragraph 12 of the Explanatory Notes.

TABLE 5 — REGISTRATIONS OF NEW PASSENGER VEHICLES (a) BY SELECTED MAKE AND MODEL

| Make and model | December 1993 | | 12 months to December 1993 | | Make and model | December 1993 | | 12 months to December 1993 | |
|------------------|---------------|-----------------|-------------------------------|-----------------|-------------------|---------------|-----------------|-------------------------------|-----------------|
| | No. | Per cent (b) | No. | Per cent (b) | | No. | Per cent (b) | No. | Per cent (b) |
| Ford— | | | | | Mitsubishi | | | | |
| Falcon/Fairmont | 628 | 14.2 | 6,076 | 13.0 | Magna | 276 | 6.2 | 3,255 | 7.0 |
| Laser | 135 | 3.0 | 1,778 | 3.8 | Lancer | 95 | 2.1 | 1,396 | 3.0 |
| Festiva | 77 | 1.7 | 974 | 2.1 | Pajero | 74 | 1.7 | 793 | 1.7 |
| Other | 95 | 2.1 | 1,288 | 2.8 | Other | 63 | 1.4 | 705 | 1.5 |
| Total | 935 | 21.1 | 10,166 | 21.7 | Total | 508 | 11.5 | 6,149 | 13.2 |
| Holden— | | | | | Nissan— | | | | |
| Commodore/Calais | 585 | 13.2 | 4,963 | 10.6 | Pulsar | 95 | 2.1 | 925 | 2.0 |
| Barina | 97 | 2.2 | 1,148 | 2.5 | Patrol | 59 | 1.3 | 803 | 1.7 |
| Apollo | 75 | 1.7 | 866 | 1.9 | Pintara | 7 | 0.2 | 144 | 0.3 |
| Other | 71 | 1.6 | 873 | 1.9 | Other | 57 | 1.3 | 465 | 1.0 |
| Total | 828 | 18.7 | 7,850 | 16.8 | Total | 218 | 4.9 | 2,337 | 5.0 |
| Hyundai— | | | | | Toyota— | | | | |
| Excel | 329 | 7.4 | 2,710 | 5.8 | Corolla | 269 | 6.1 | 2,422 | 5.2 |
| Lantra | 51 | 1.2 | 430 | 0.9 | Camry | 229 | 5.2 | 2,416 | 5.2 |
| S | 6 | 0.1 | 155 | 0.3 | Landcruiser | 162 | 3.7 | 1,712 | 3.7 |
| Sonata | 19 | 0.4 | 128 | 0.3 | Other | 196 | 4.4 | 1,870 | 4.0 |
| Total | 405 | 9.1 | 3,423 | 7.3 | Total | 856 | 19.3 | 8,420 | 18.0 |

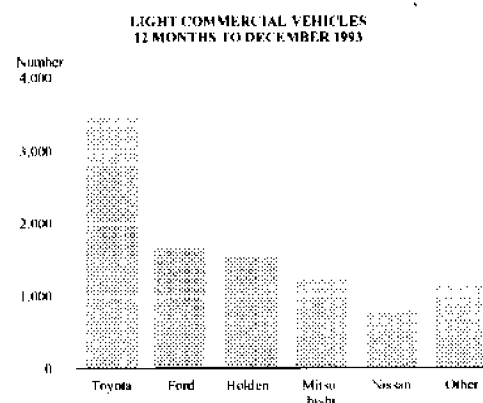
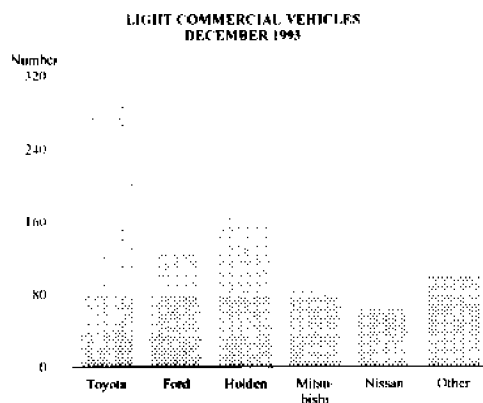
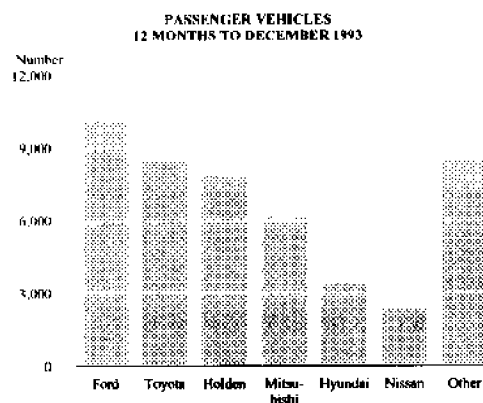
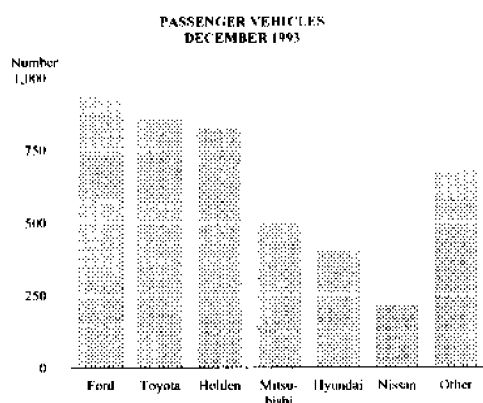
(a) See paragraph 12 of the explanatory notes. (b) Of total registrations of passenger vehicles.

**TABLE 6 — REGISTRATIONS OF NEW LIGHT COMMERCIAL VEHICLES BY MAKE AND TARE (a) —
DECEMBER 1993**

| Make | Western Australia | | | | | | Perth | | |
|--------------|-------------------|------------|-------------|-------------|------------|------------|-------------|--------------|------------|
| | Tare (kg) - | | | | | | Statistical | | |
| | Up to 900 | 901 - 1100 | 1101 - 1300 | 1301 - 1500 | Over 1500 | Not stated | Total | Per cent | Division |
| Daihatsu | 3 | — | — | — | 12 | — | 15 | 1.8 | 13 |
| Ford | — | — | 2 | 100 | 30 | — | 132 | 15.9 | 80 |
| Holden | — | — | 14 | 86 | 65 | — | 165 | 19.9 | 90 |
| Hyundai | — | 3 | — | — | — | — | 3 | 0.4 | 3 |
| Kia | — | — | — | 4 | — | — | 4 | 0.5 | 3 |
| Land Rover | — | — | — | — | 7 | — | 7 | 0.8 | 4 |
| Mazda | — | — | 6 | 25 | 31 | — | 62 | 7.5 | 49 |
| Mitsubishi | — | — | 34 | 20 | 30 | — | 84 | 10.1 | 43 |
| Nissan | 1 | — | 1 | 5 | 56 | — | 63 | 7.6 | 23 |
| Roadstar | — | — | — | — | 1 | — | 1 | 0.1 | — |
| Subaru | — | 2 | — | — | — | — | 2 | 0.2 | 1 |
| Suzuki | 4 | 1 | — | — | — | — | 5 | 0.6 | — |
| Toyota | — | — | 50 | 60 | 176 | — | 286 | 34.5 | 159 |
| Total | 8 | 6 | 107 | 300 | 408 | — | 829 | 100.0 | 468 |

(a) See paragraph 13 of the Explanatory Notes.

REGISTRATIONS OF NEW MOTOR VEHICLES (a)



(a) Data are compiled via the new processing system. See paragraph 2 of explanatory notes.

**TABLE 7 — REGISTRATIONS OF NEW RIGID AND ARTICULATED TRUCKS BY MAKE —
DECEMBER 1993**

| Western Australia | | | | | | | | | | | | |
|-----------------------|---------|-------------------|--------------------|---------------------|---------------------|---------|---------------|-------|--------------------|-------|-------------|-------------|
| Rigid trucks | | | | | | | | | Articulated trucks | | Perth | |
| G.V.M. (tonnes) (a) - | | | | | | | | | | | | Statistical |
| Make | Up to 4 | Over 4 up to 8 | Over 8 up to 12 | Over 12 up to 16 | Over 16 up to 30 | Over 30 | Not stated | Total | Per cent | Total | Per cent | Division |
| Ford | — | 11 | — | — | 1 | — | — | 12 | 12.4 | 1 | 3.8 | 11 |
| Freightliner | — | — | — | — | — | — | — | — | — | 2 | 7.7 | 2 |
| Hino | — | — | 4 | 1 | 2 | — | — | 7 | 7.2 | — | — | 7 |
| International | — | — | — | 3 | 3 | — | — | 6 | 6.2 | — | — | 4 |
| Isuzu | — | 13 | 2 | 6 | 1 | — | — | 22 | 22.7 | — | — | 16 |
| Kenworth | — | — | — | — | 1 | — | — | 1 | 1.0 | 6 | 23.1 | 6 |
| Mack | — | — | — | — | — | — | — | — | — | 4 | 15.4 | 4 |
| MAN | — | — | — | — | 2 | — | — | 2 | 2.1 | 1 | 3.8 | — |
| Mazda | — | 7 | — | — | — | — | — | 7 | 7.2 | — | — | 6 |
| Mitsubishi | — | 15 | 1 | 2 | 2 | — | — | 20 | 20.6 | — | — | 10 |
| Oka | — | 8 | — | — | — | — | — | 8 | 8.2 | — | — | 8 |
| Scania | — | — | — | — | 1 | — | — | 1 | 1.0 | 2 | 7.7 | 1 |
| Toyota | 2 | 2 | — | — | — | — | — | 4 | 4.1 | — | — | 2 |
| UD Nissan | — | — | — | 2 | 1 | — | — | 3 | 3.1 | — | — | 3 |
| Volvo | — | — | — | — | 3 | 1 | — | 4 | 4.1 | 8 | 30.8 | 9 |
| Western Star | — | — | — | — | — | — | — | — | — | 2 | 7.7 | 1 |
| Total | 2 | 56 | 7 | 14 | 17 | 1 | — | 97 | 100.0 | 26 | 100.0 | 90 |

(a) Gross vehicle mass refers to the permitted aggregate of the tare of and the load borne by the vehicle.

**TABLE 8 — REGISTRATIONS OF NEW VEHICLES BY FUEL TYPE, NUMBER OF CYLINDERS AND
BODY TYPE (a) — DECEMBER 1993**

| Number of cylinders | Passenger vehicles | | Light commercial vehicles | | Trucks and buses | | Total | |
|---------------------|--------------------|--------------|---------------------------|--------------|------------------|--------------|--------------|--------------|
| | Number | Per cent | Number | Per cent | Number | Per cent | Number | Per cent |
| PETROL | | | | | | | | |
| 1 | — | — | 1 | 0.2 | — | — | 1 | — |
| 3 | 57 | 1.3 | 3 | 0.6 | — | — | 60 | 1.3 |
| 4 | 2,386 | 55.6 | 318 | 66.9 | 5 | 55.6 | 2,709 | 56.7 |
| 5 | 12 | 0.3 | — | — | — | — | 12 | 0.3 |
| 6 | 1,676 | 39.0 | 148 | 31.2 | 2 | 22.2 | 1,826 | 38.2 |
| 8 | 124 | 2.9 | 5 | 1.1 | 2 | 22.2 | 131 | 2.7 |
| Other and unknown | 37 | 0.9 | — | — | — | — | 37 | 0.8 |
| Total | 4,292 | 100.0 | 475 | 100.0 | 9 | 100.0 | 4,776 | 100.0 |
| DIESEL | | | | | | | | |
| 4 | 29 | 21.5 | 220 | 62.1 | 69 | 33.8 | 318 | 45.9 |
| 6 | 104 | 77.0 | 134 | 37.9 | 130 | 63.7 | 368 | 53.1 |
| 8 | — | — | — | — | 5 | 2.5 | 5 | 0.7 |
| Other and unknown | 2 | 1.5 | — | — | — | — | 2 | 0.3 |
| Total | 135 | 100.0 | 354 | 100.0 | 204 | 100.0 | 693 | 100.0 |
| GAS | | | | | | | | |
| 4 | 1 | 50.0 | — | — | — | — | 1 | 50.0 |
| 6 | 1 | 50.0 | — | — | — | — | 1 | 50.0 |
| Total | 2 | 100.0 | — | — | — | — | 2 | 100.0 |
| ALL FUEL TYPES | | | | | | | | |
| 1 | — | — | 1 | 0.1 | — | — | 1 | — |
| 3 | 57 | 1.3 | 3 | 0.4 | — | — | 60 | 1.1 |
| 4 | 2,416 | 54.5 | 538 | 64.9 | 74 | 34.7 | 3,028 | 55.3 |
| 5 | 12 | 0.3 | — | — | — | — | 12 | 0.2 |
| 6 | 1,781 | 40.2 | 282 | 34.0 | 132 | 62.0 | 2,195 | 40.1 |
| 8 | 124 | 2.8 | 5 | 0.6 | 7 | 3.3 | 136 | 2.5 |
| Other and unknown | 39 | 0.9 | — | — | — | — | 39 | 0.7 |
| Total | 4,429 | 100.0 | 829 | 100.0 | 213 | 100.0 | 5,471 | 100.0 |

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

**TABLE 7 — REGISTRATIONS OF NEW RIGID AND ARTICULATED TRUCKS BY MAKE —
DECEMBER 1993**

| Western Australia | | | | | | | | | | | | Perth Statistical Division |
|-----------------------|---------|----------------|-----------------|------------------|------------------|---------|------------|--------------------|----------|-------|----------|--|
| Rigid trucks | | | | | | | | Articulated trucks | | | | |
| G.V.M. (tonnes) (a) - | | | | | | | | Per cent | Per cent | | | |
| Make | Up to 4 | Over 4 up to 8 | Over 8 up to 12 | Over 12 up to 16 | Over 16 up to 30 | Over 30 | Not stated | Total | Per cent | Total | Per cent | |
| Ford | — | 11 | — | — | 1 | — | — | 12 | 12.4 | 1 | 3.8 | 11 |
| Freightliner | — | — | — | — | — | — | — | — | — | 2 | 7.7 | 2 |
| Hino | — | — | 4 | 1 | 2 | — | — | 7 | 7.2 | — | — | 7 |
| International | — | — | — | 3 | 3 | — | — | 6 | 6.2 | — | — | 4 |
| Isuzu | — | 13 | 2 | 6 | 1 | — | — | 22 | 22.7 | — | — | 16 |
| Kenworth | — | — | — | — | 1 | — | — | 1 | 1.0 | 6 | 23.1 | 6 |
| Mack | — | — | — | — | — | — | — | — | — | 4 | 15.4 | 4 |
| MAN | — | — | — | — | 2 | — | — | 2 | 2.1 | 1 | 3.8 | — |
| Mazda | — | 7 | — | — | — | — | — | 7 | 7.2 | — | — | 6 |
| Mitsubishi | — | 15 | 1 | 2 | 2 | — | — | 20 | 20.6 | — | — | 10 |
| Oka | — | 8 | — | — | — | — | — | 8 | 8.2 | — | — | 8 |
| Scania | — | — | — | — | 1 | — | — | 1 | 1.0 | 2 | 7.7 | 1 |
| Toyota | 2 | 2 | — | — | — | — | — | 4 | 4.1 | — | — | 2 |
| UD Nissan | — | — | — | 2 | 1 | — | — | 3 | 3.1 | — | — | 3 |
| Volvo | — | — | — | — | 3 | 1 | — | 4 | 4.1 | 8 | 30.8 | 9 |
| Western Star | — | — | — | — | — | — | — | — | — | 2 | 7.7 | 1 |
| Total | 2 | 56 | 7 | 14 | 17 | 1 | — | 97 | 100.0 | 26 | 100.0 | 90 |

(a) Gross vehicle mass refers to the permitted aggregate of the tare of and the load borne by the vehicle.

TABLE 8 — REGISTRATIONS OF NEW VEHICLES BY FUEL TYPE, NUMBER OF CYLINDERS AND BODY TYPE (a) — DECEMBER 1993

| <i>Number of cylinders</i> | <i>Passenger vehicles</i> | | <i>Light commercial vehicles</i> | | <i>Trucks and buses</i> | | <i>Total</i> | |
|----------------------------|---------------------------|-----------------|----------------------------------|-----------------|-------------------------|-----------------|---------------|-----------------|
| | <i>Number</i> | <i>Per cent</i> | <i>Number</i> | <i>Per cent</i> | <i>Number</i> | <i>Per cent</i> | <i>Number</i> | <i>Per cent</i> |
| PETROL | | | | | | | | |
| 1 | — | — | 1 | 0.2 | — | — | 1 | — |
| 3 | 57 | 1.3 | 3 | 0.6 | — | — | 60 | 1.3 |
| 4 | 2,386 | 55.6 | 318 | 66.9 | 5 | 55.6 | 2,709 | 56.7 |
| 5 | 12 | 0.3 | — | — | — | — | 12 | 0.3 |
| 6 | 1,676 | 39.0 | 148 | 31.2 | 2 | 22.2 | 1,826 | 38.2 |
| 8 | 124 | 2.9 | 5 | 1.1 | 2 | 22.2 | 131 | 2.7 |
| Other and unknown | 37 | 0.9 | — | — | — | — | 37 | 0.8 |
| Total | 4,292 | 100.0 | 475 | 100.0 | 9 | 100.0 | 4,776 | 100.0 |
| DIESEL | | | | | | | | |
| 4 | 29 | 21.5 | 220 | 62.1 | 69 | 33.8 | 318 | 45.9 |
| 6 | 104 | 77.0 | 134 | 37.9 | 130 | 63.7 | 368 | 53.1 |
| 8 | — | — | — | — | 5 | 2.5 | 5 | 0.7 |
| Other and unknown | 2 | 1.5 | — | — | — | — | 2 | 0.3 |
| Total | 135 | 100.0 | 354 | 100.0 | 204 | 100.0 | 693 | 100.0 |
| GAS | | | | | | | | |
| 4 | 1 | 50.0 | — | — | — | — | 1 | 50.0 |
| 6 | 1 | 50.0 | — | — | — | — | 1 | 50.0 |
| Total | 2 | 100.0 | — | — | — | — | 2 | 100.0 |
| ALL FUEL TYPES | | | | | | | | |
| 1 | — | — | 1 | 0.1 | — | — | 1 | — |
| 3 | 57 | 1.3 | 3 | 0.4 | — | — | 60 | 1.1 |
| 4 | 2,416 | 54.5 | 538 | 64.9 | 74 | 34.7 | 3,028 | 55.3 |
| 5 | 12 | 0.3 | — | — | — | — | 12 | 0.2 |
| 6 | 1,781 | 40.2 | 282 | 34.0 | 132 | 62.0 | 2,195 | 40.1 |
| 8 | 124 | 2.8 | 5 | 0.6 | 7 | 3.3 | 136 | 2.5 |
| Other and unknown | 39 | 0.9 | — | — | — | — | 39 | 0.7 |
| Total | 4,429 | 100.0 | 829 | 100.0 | 213 | 100.0 | 5,471 | 100.0 |

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

EXPLANATORY NOTES

Introduction

This publication contains detailed information regarding registrations of new motor vehicles, motor cycles, plant and equipment, caravans and trailers. Details of the number of motor vehicles on register are also included.

2. The statistics in this publication are based, from July 1991 onwards, on new processing procedures using the new Vehicle Identification Number (VIN) introduced by motor vehicle registration authorities from July 1990. The VIN system allows more accurate identification and classification of newly registered vehicles. As a result, data processed on this system are not strictly comparable with those processed on the old system.

3. Both the old and new series have been compiled for the period between December 1990 and July 1991. Detailed statistics on both bases are available on request.

Scope and coverage

4. Vehicle licensing in Western Australia is the responsibility of the Police Department and a number of local government authorities performing licensing functions or acting as collection agents on behalf of the Department.

5. The statistics in this bulletin have been prepared from data made available by licensing authorities and reflect information as recorded in registration documents. Delays in the receipt of some registrations data have meant that new motor vehicle registration statistics for a particular month include vehicles registered prior to that month.

6. Registrations of new motor vehicles relate to factory-new vehicles registered for the first time.

7. The statistics include vehicles with diplomatic and consular plates and State and Commonwealth Government owned vehicles other than those belonging to the defence services.

8. The statistics exclude any vehicles which will not be used on public roads such as tractors (particularly the agricultural type), plant and equipment and motor vehicles used solely on farms, in mines or in National Parks, etc. as well as recreational vehicles such as trail bikes or sand dune buggies.

Vehicle Identification Number (VIN)

9. The Vehicle Identification Number (VIN) uniquely identifies each vehicle. Embedded within this number are details of make and model together with other relevant information concerning the vehicle. The VIN is now collected by the Police Department at the time each new vehicle is registered. The VIN is passed on to the Australian Bureau of Statistics (ABS) as part of the New Motor Vehicles Registrations record.

Vehicle classification

10. The decoding of the VIN has resulted in better identification of each vehicle's body type and consequently classification of vehicles to particular categories.

11. Small passenger carrying vans such as minibuses are now consistently classified as passenger vehicles. Under the old system, these could have been classified as cars, station wagons or buses. Cab-chassis vehicles, which were previously classified to small trucks, are now consistently classified to light commercial vehicles. In addition, tractors are no longer classified separately. They are now included in the plant and equipment category.

Vehicle type definitions

12. *Passenger Vehicles.* Vehicles constructed primarily for the carriage of less than 10 passengers (including the driver). Included are cars, station wagons, 4WD passenger vehicles and forward control passenger vehicles.

13. *Light Commercial Vehicles.* Vehicles constructed primarily for the carriage of goods and do not exceed 3.5 tonnes gross vehicle mass (GVM). Included are utilities, panel vans, cab-chassis and forward control vehicles (whether 4WD or not).

14. *Rigid Trucks.* Vehicles constructed primarily for load carrying with a gross vehicle mass (GVM) exceeding 3.5 tonnes. Included are normal rigid trucks with a tow bar, draw bar or other non-articulated coupling on the rear for use with a trailer or dolly.

15. *Articulated Trucks.* Vehicles constructed primarily for load carrying consisting of a prime mover having no significant load carrying area but with a turn table device which can be linked to a trailer. With or without a trailer the gross combination mass (GCM) will exceed 3.5 tonnes.

16. *Non-freight Carrying Trucks.* Includes specialist vehicles such as ambulances or mobile cranes or vehicles fitted with special purpose equipment and having no goods carrying capacity.

17. *Omnibuses.* Includes all passenger vehicles having more than nine seats, including the driver.

Seasonal adjustment and trend estimation

18. Original, seasonally adjusted and trend estimate series for registrations of new motor vehicles are shown in Table 2. The two component series 'Passenger vehicles' and 'Other vehicles' are each adjusted separately and then summed to derive total seasonally adjusted and trend registrations. In the seasonally adjusted series, account has been taken of normal seasonal factors and 'trading day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month) and the effect of movement in the date of Easter which may, in successive years, affect figures for different months.

19. Seasonally adjusted statistics should not be regarded as in any way definitive. In interpreting particular seasonally adjusted statistics it is important to bear in mind the methods by which they have been derived and the limitations to which the methods used are subject.

20. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series may be more clearly recognised. Seasonal adjustment procedures do not aim to remove the irregular or

non-seasonal influences which may be present in any particular months, such as the effect of introducing new models or of industrial disputes. Irregular influences that are highly volatile can make it difficult to interpret the movement of the series even after adjustment for seasonal variation.

21. The seasonally adjusted series can, however, be smoothed to reduce the impact of the irregular component in the adjusted series. This smoothed seasonally adjusted series is called a trend estimate. The trend estimates of motor vehicle registration statistics are shown in Table 2 and have been derived by applying a 13-term Henderson-weighted moving average to the seasonally adjusted series.

22. While the technique enables trend estimates for the latest period to be produced, it does result in revisions to the trend estimate for the most recent months as additional observations become available. There may also be revisions as a result of changes in the original data, and as a result of the re-estimation of the seasonal factors.

23. Users may wish to refer to the ABS Information Papers, *A Guide to Interpreting Time Series - Monitoring 'Trends' - An Overview* (1348.0), *A Guide to Smoothing Time Series - Estimates of 'Trend'* (1316.0) and *Time Series Decomposition - An Overview* (1317.0) for more detailed information on smoothing of seasonally adjusted time series data.

Vehicles on register

24. The number of vehicles on register at a given date are those for which fees were paid up for a period which includes the reference date.

Unpublished data and related publications

25. The ABS may also make available on request certain unpublished motor vehicle registrations data. This data includes make and small area breakdowns of vehicles on register figures. A charge may be made for providing unpublished information.

26. Other ABS publications which may be of interest include:

AUSTRALIA

Catalogue No

| | |
|---|--------|
| Registrations of New Motor Vehicles (Preliminary) (Monthly) | 9301.0 |
| Motor Vehicle Registrations (monthly) | 9303.0 |
| Motor Vehicle Registrations (annual) | 9304.0 |
| Motor Vehicle Census (triennial) | 9309.0 |

WESTERN AUSTRALIA

| | |
|--------------------------------------|--------|
| Motor Vehicle Registrations (annual) | 9304.5 |
| Vehicles on Register (annual) | 9305.5 |

27. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and *Publications Advice* are available from any ABS Office.

Symbols and other usages

| | |
|------|---|
| — | nil or rounded to zero |
| r | figure or series revised since last issue |
| n.a. | not available |
| — | break in continuity of series |

28. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

Electronic services

DISCOVERY

Key *656# for selected current economic, social and demographic statistics.

PC-AUSSTATS

Thousands of up-to-date time series are available on this ABS on-line service. For further information phone the PC-Ausstats Help Desk on (06) 252 6017.

DIAL-A-STATISTIC

Phone 0055 86400 from anywhere, any time for the latest available data on the Consumer Price Index, National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, and Estimated Resident Population.

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and Government Statistician