



Australian Government

Department of Infrastructure, Transport,  
Regional Development, Communications and the Arts

BUREAU OF INFRASTRUCTURE AND TRANSPORT RESEARCH ECONOMICS  
STATISTICAL REPORT



Road

# Road vehicle entry and recall statistics

July 2024



BUREAU OF INFRASTRUCTURE AND TRANSPORT RESEARCH ECONOMICS

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July 2024

Department of Infrastructure, Transport, Regional  
Development, Communications and the Arts

Canberra, Australia



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# Foreword

This report provides monthly statistics on the number of road vehicles entered on the Register of Approved Vehicles (RAV) and other activities governed under the *Road Vehicle Standards Act 2018* (RVSA).

The RVSA was introduced on 1 July 2021 to support the safety, environmental and anti-theft performance of all road vehicles being provided to the Australian market for the first time. The RVSA replaced the *Motor Vehicle Standards Act 1989* (MVSA). The RVSA also established the RAV, an online publicly-searchable database of all vehicles that have met requirements under the RVSA and approved for provision to the Australian market. The RVSA also covers vehicle recall notices and compliance and enforcement activities.

The RVSA is administered by the Road and Vehicle Safety Division, in the Department of Infrastructure, Transport, Regional Development, Communications and the Arts (the Department), and is supported by an online administration system ROVER. ROVER provides a single integrated system for all approvals and activities governed by the RVSA. Further information about the RVSA and ROVER is available on the Department's Road Vehicle Standards laws webpage.

The RVSA commenced in full on 1 July 2021, but included a transitional period for certain segments of the industry between 1 July 2021 and 30 June 2023. Under these arrangements, not all road vehicles were required to be reported under the RVSA, with some reporting still remaining under the MVSA. Consequently, the RAV provides a full enumeration of all road vehicles entering the Australian market from 1 July 2023 onwards. RAV entry statistics prior to 1 July 2023, while not a complete enumeration of vehicles then entering the Australian market, are provided here for completeness.

This report was prepared by the Transport Research and Modelling Section of the Bureau of Infrastructure and Transport Research Economics, based on road vehicle standards administrative data captured and managed through ROVER.

**Georgia O’Cianain**

A/g Head of Bureau

Bureau of Infrastructure and Transport Research Economics

August 2024

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# Highlights – July 2024

This report presents statistics on the number of vehicles entered on the Register of Approved Vehicles (RAV), and other activities governed under the Road Vehicle Standards Act 2018 (RVSA) for the month of July 2024. The RAV includes all road vehicles, both new and used, approved to be provided to the Australian market for the first time. Entry on the RAV does not imply a vehicle will be sold into the Australian market nor when it might be first sold into the market.

## Register of Approved Vehicles (RAV) entries

- There were 134,332 road vehicles entered on the RAV in July 2024, 6.3 per cent lower than total entries in July 2023 (i.e. 143,346 vehicles).<sup>1</sup>
- There were 130,965 type approval vehicles entered in July 2024, 7.0 per cent lower than total type approved vehicles entries in July 2023 (i.e. 140,808 vehicles).
- Standard vehicles covered by a type approval represented approximately 99.9 per cent of total type approved entries (not including second stage of manufacture vehicles).
- Concessional RAV approval entries totalled 3,367 vehicles in the month of July 2024, 32.7 per cent higher than concessional RAV approval entries in July 2023 (i.e. 2,538 vehicles).

## Type approval RAV entries by vehicle category

Motorised type approved RAV entries in the month of July 2024 comprised:

- 80,670 passenger vehicle RAV entries, 4.3 per cent lower than in July 2023
- 22,630 light commercial vehicle (LCV) RAV entries, 0.8 per cent lower than in July 2023
- 4,422 medium goods vehicle RAV entries, 4.3 per cent higher than in July 2023
- 2,110 heavy goods vehicle RAV entries, 15.4 per cent higher than in July 2023
- 741 bus RAV entries, 95.5 per cent higher than in July 2023, and
- 5,063 motorcycle RAV entries, 1.2 per cent lower than in July 2023.

## Type approval RAV entries by vehicle make

The top five type vehicle makes entered on the RAV in July 2024, by vehicle type, were:

- Passenger vehicles: Toyota, Kia, Hyundai, Mazda and Mitsubishi
- Light commercial vehicles: Ford, Toyota, Isuzu, Mazda and Great Wall
- Medium goods vehicles: Toyota, Isuzu, Hino, Ford and Mercedes-Benz
- Heavy goods vehicles: Kenworth, Isuzu, Volvo, Hino and Mercedes-Benz
- Buses: Toyota, Volgren, BCI, Yutong and Ford
- Motorcycles: Yamaha, Kawasaki, Harley-Davidson, KTM and Honda.

## Concessional RAV entry approval vehicles

Total concessional RAV entries in the month of July 2024 comprised:

- 1,870 passenger vehicles
- 265 LCVs
- 61 medium goods vehicles
- 81 heavy goods vehicles, and
- 430 trailers.

<sup>1</sup> This estimate includes standard and non-standard new road vehicles, entering under a vehicle type approval, and new, specialist, special purpose and trailer-type vehicles, entering under a concessional approval, but excludes second stage of manufacture vehicle approval entries, which will already have a corresponding vehicle type or concessional approval.



## Specialist and enthusiast vehicle approval RAV entries

- There were 2,196 specialist and enthusiast vehicles (SEVs) entries on the RAV in July 2024.
- There were 1,344 SEV RAV entries in July 2024 under environmental criterion.

## Second stage of manufacture (SSM) RAV entries

- There were 4,282 SSM RAV entries in July 2024, comprising:
  - 2,512 light commercial vehicles
  - 1,390 medium goods vehicles
  - 205 passenger vehicles, and
  - 175 other vehicles.

## Type approval RAV entries by trailer category

In the month of July 2024 there were:

- 3,048 type approved very light trailer RAV entries<sup>2</sup>
- 10,044 type approved light trailer RAV entries
- 668 type approved medium trailer RAV entries, and
- 1,569 type approved heavy trailer RAV entries.

Type approved trailer RAV entries included approximately 3,648 caravans and camper trailers in the month of July 2024.<sup>3</sup>

## Vehicle recall notices

- In July 2024 there were 25 recall notices published on the Department's website, covering approximately 77,976 vehicles.
- As at 31 July 2024 there were 5,063 recall notices on the Department's website, comprising the following vehicles (noting that vehicles may appear on more than one recall notice and thereby be counted multiple times in the estimates below):
  - Passenger cars – 3,313 notices (covering 19,101,842 vehicles)
  - Trucks and buses – 800 notices (covering 566,251 vehicles)
  - Motorcycles – 808 notices (covering 492,667 vehicles)
  - Caravans/motorhomes – 71 notices (covering 44,936 vehicles)
  - Trailers – 42 notices (covering 19,200 vehicles)
  - Other vehicles (not elsewhere specified) – 29 notices (covering 154,779 vehicles).

<sup>2</sup> Prior to the July 2024 release, very light trailer RAV entries were not separately enumerated and combined with light trailer RAV entries.

<sup>3</sup> Caravan and camper trailer vehicles are not separately enumerated in the RAV, BITRE has used trailer make and model information to derive caravan and camper trailer RAV entry estimates.



# Introduction

This report provides monthly statistics on all approved road vehicles and activities governed under the Road Vehicle Standards Act 2018 (RVSA).

The RVSA was introduced on 1 July 2021 to support the safety, environmental and anti-theft performance of all road vehicles being provided to the Australian market for the first time. The RVSA replaced the Motor Vehicle Standards Act 1989 (MVSA). Further information about the RVSA is available on the Road Vehicle Standards laws page on the Department's website: [www.infrastructure.gov.au](http://www.infrastructure.gov.au).

The RVSA established the Register of Approved Vehicles (RAV), an online publicly-searchable database of vehicles that have met the requirements of the RVSA and been approved for provision to the Australian market. The RAV includes new road vehicles constructed in Australia and new and second-hand road vehicles imported from overseas, and covers motorised, non-motorised road vehicles (e.g. trailers, caravans, trailed machinery) and special purpose vehicles.

All road vehicles must be entered on the RAV before they are provided to the Australian market. An approval is required to import a road vehicle into Australia.

The RAV is administered by the Road and Vehicle Safety Division, within the Department of Infrastructure, Transport, Regional Development, Communications and the Arts (the Department).

This publication is consistent with and promotes the purposes of the RAV by making publicly-available information about vehicles suitable to be sold, leased or otherwise provided for use within Australia more readily accessible to industry, consumers and the broader community.

## Register of Approved Vehicles

A vehicle may be entered on the RAV only if it satisfies the requirements of one of two entry pathways: vehicle type approval or concessional RAV entry approval.

A vehicle type approval identifies the applicable national road vehicle standards for a road vehicle type. It also specifies the documents submitted to confirm compliance with them. A vehicle type approval allows that type of vehicle to be provided to the Australian market in unlimited volume.

A concessional RAV entry approval provides for applications to enter a single vehicle or up to 30 identical vehicles<sup>4</sup> as part of a single application (DITRDCA 2023b). Concessional RAV entry approvals provide for:

- road vehicles that are older vehicles
- road vehicles that are to be modified by the holder of a registered automotive workshop (RAW) approval
- road vehicle that are a special purpose vehicle
- road vehicles that are to be imported as part of an individual's personal effects – i.e. road vehicles of migrants settling in Australia or returning expatriate Australian citizens
- imported trailers (up to 4 trailers per annum)
- case-by-case assessment of vehicles suitable for entry on the RAV.

Further details about vehicle type and concessional approval conditions are provided in the Explanatory Notes and Glossary.

## Vehicle attributes recorded on the RAV

The RAV includes details about vehicle make, model, tare weight, gross vehicle mass, seating capacity and maximum engine power, among other vehicle characteristics.<sup>5</sup> The RAV does not currently include information about vehicle motive power source (e.g. internal combustion engine, battery electric vehicle) or fuel type (e.g. petrol, diesel, etc.) of each vehicle.

<sup>4</sup> Only up to 4 trailers can be included in one concessional RAV entry approval application.

<sup>5</sup> Note that some fields are not required for all vehicle categories.

## RAV entry statistics

The RAV includes road vehicles that undergo a second stage of manufacture (SSM) process prior to being provided for the first time. SSM approvals typically cover modifications to the original vehicle (e.g. bus fit-out, campervan fit-out, off-road suspensions, etc.). Both SSM entry pathway sub-categories require that the vehicle has previously been entered on the RAV, either via a type approval or a concessional RAV entry approval entry pathway. In reporting total vehicles entered on the RAV, BITRE counts vehicles that undergo a SSM only once (i.e. the original vehicle type approval and not subsequent second stage of manufacture approvals).

## RAV coverage

The statistics presented in this publication have been compiled from all vehicles entered on the RAV up to the end of July 2024.

Revisions to previously published estimates may occur where the RAV is updated to correct errors or remove entries.

The RVSA commenced in full on 1 July 2021 and triggered a 12-month transition period for certain segments of the industry to enter information on the RAV. This transitional period was subsequently extended for a further 12 months, to 30 June 2023, to allow more time for certain industry segments to transition their businesses to operate under the RVSA (see Explanatory Notes for details). Consequently, RAV entry statistics are not necessarily a full enumeration of all vehicles entering the Australian market prior to 1 July 2023. Pre-July 2023 estimates are provided here for completeness.

## RAV entries and vehicle sales

The Department considers a road vehicle to have been provided to a consumer for the first time in Australia when:

- the vehicle has been correctly entered on the RAV, and
- a contract of sale has been entered into between the consumer and the original equipment manufacturer (OEM) or dealership (DITRDCA 2023a).

Hence, the RAV entry statistics provided in this report are not equivalent to vehicles sales, but may provide a leading indicator of likely future vehicle sales. The Federal Chamber of Automotive Industries (FCAI) and the Truck Industry Council (TIC) collect and report monthly sales of light vehicles and trucks, respectively.

At a manufacturer and vehicle model level, RAV entries can be unevenly distributed from month-to-month, which appears to reflect the import arrival pattern of vehicles entering Australia. As a consequence, there can be months in which there appear few (or no) RAV entries for individual vehicle makes and models.

## Road vehicle classes and classifications

This publication reports RAV entries according to the following vehicle classes:

- Passenger vehicles (excluding omnibuses)
- Light commercial vehicles (LCVs)
- Medium goods vehicles (MGVs)
- Heavy goods vehicles (HGVs)
- Light buses
- Heavy buses
- Motorcycles
- Trailers<sup>6</sup>

These vehicle classes are based BITRE aggregation of the Australian Design Rules (ADR) vehicle categories and sub-categories. The ADR define the following five broad vehicle categories:

- Two-wheeled and three-wheeled vehicles

<sup>6</sup> Separate estimates of non-motorised caravan and camper trailers are also derived, using known caravan/camper trailer makes and models.

- Passenger vehicles (excluding omnibuses)
- Omnibuses
- Goods vehicles
- Trailers

Within each of those categories are a varying number of sub-categories (see Glossary for details). The correspondence between the vehicle classes used in the report in this and ADR vehicle categories/sub-categories are shown in the table below.

The road vehicle classes reported here are similar, but not identical, to the vehicle (body) types reported in BITRE's *Road Vehicles Australia (RVA)* (BITRE 2023) annual census of registered vehicles in Australia. The correspondence between vehicle classes presented in this report and those used in BITRE (2023) are also shown in the table below.

### Road vehicle type classification correspondence

Vehicle class	ADR vehicle category	ADR vehicle sub-category	RVA vehicle type
Passenger vehicles	Passenger vehicles (other than omnibuses)	Passenger car Forward-control passenger vehicle Off-road passenger vehicle	Passenger vehicles
Light commercial vehicles Medium goods vehicles Heavy goods vehicles	Goods vehicles	Light goods vehicles Medium goods vehicles Heavy goods vehicles	Light commercial vehicles Rigid and articulated trucks
Light buses Heavy buses	Omnibuses	Light omnibus Heavy omnibus	Light buses Heavy buses
Motorcycles	Two-wheeled and Three-wheeled vehicles	Moped - 2 Wheels Moped - 3 wheels Motor cycle Motor cycle and side car Motor tricycle	Motorcycles
Light trailers Medium trailers Heavy trailers	Trailers	Very light trailer Light trailer Medium trailer Heavy trailer	Trailers

Sources: Road Vehicle Standards Act 2018 and BITRE (2023).

## Report structure

This report is structured as follows:

- Part 1 provides the following RAV entry statistics:
  - Total RAV entries by entry pathway and approval sub-category
  - Vehicle type approval RAV entries by vehicle type, make and model
  - Concessional-approval RAV entries by vehicle type and age profile, and SEV-approved RAV entries, by SEV category
  - SSM RAV entries by vehicle type, make and model
  - Separate enumeration of caravan and camper trailer approvals by major make and tare weight.
- Part 2 provides statistics on vehicle recall notices and the number of vehicles affected.

# RAV entry statistics

## RAV entry summary statistics

**Table 1 Total RAV entries, by approval category and month, July 2024<sup>a</sup>**

Month <sup>b</sup>	Approval category		Total <sup>c</sup>
	Type approval	Concessional approval	
Jul 2024	130,965	3,367	134,332
Jun 2024	120,373	2,971	123,344
May 2024	141,080	3,148	144,228
Apr 2024	139,438	2,755	142,193
Mar 2024	125,541	2,598	128,139
Feb 2024	128,631	3,059	131,690
Jan 2024	126,006	2,663	128,669
Dec 2023	110,855	2,584	113,439
Nov 2023	142,419	3,034	145,453
Oct 2023	141,165	2,806	143,971
Sep 2023	139,483	3,210	142,693
Aug 2023	152,603	3,280	155,883
Jul 2023	140,808	2,538	143,346
Jun 2023	133,424	4,123	137,547
May 2023	137,608	1,616	139,224
Apr 2023	99,849	1,161	101,010
Mar 2023	111,767	1,129	112,896
Feb 2023	92,519	1,135	93,654
Jan 2023	101,366	1,095	102,461
Dec 2022	104,651	1,141	105,792
Nov 2022	105,559	1,700	107,259
Oct 2022	106,405	1,569	107,974
Sep 2022	102,931	1,512	104,443
Aug 2022	114,310	1,591	115,901
Jul 2022	99,494	1,263	100,757

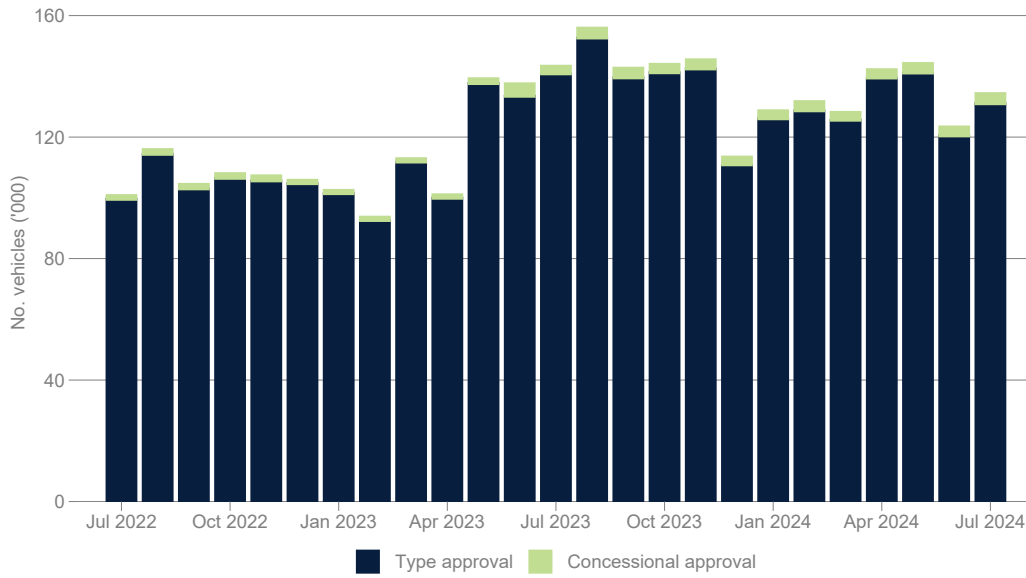
<sup>a</sup> Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

<sup>b</sup> RAV transition period: 1 July 2021 to 30 June 2023 – Pre-July 2023 RAV entries are not necessarily a full enumeration of all vehicles entering the Australian market (see Explanatory Notes for details).

<sup>c</sup> Total excludes Second Stage of Manufacture vehicles.

Sources: RAV and BITRE estimates.

**Figure 1 Total RAV entries, by approval category and month, last 25 months**



Note: Excludes Second Stage of Manufacture RAV entries.  
Sources: RAV and BITRE estimates.

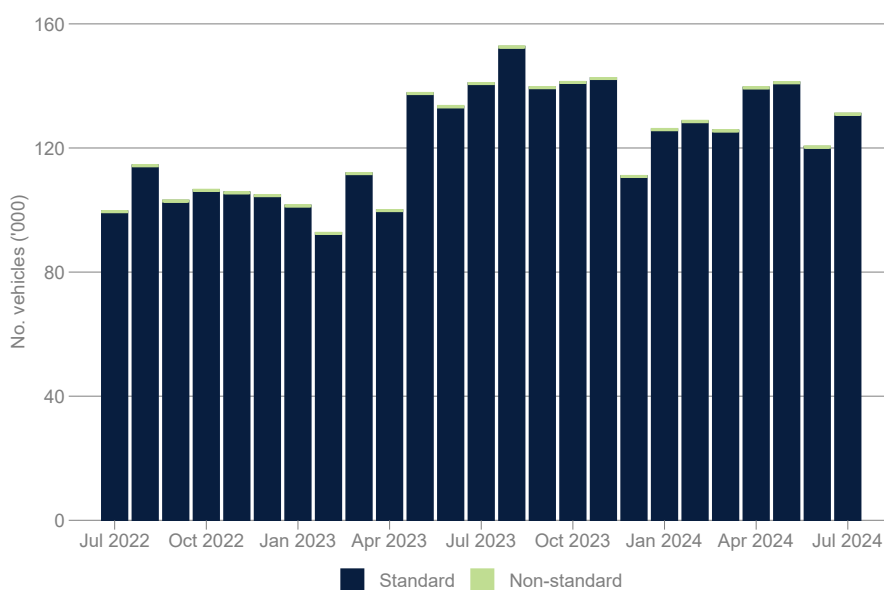
**Table 2 Type approval RAV vehicle entries, by entry pathway and month, July 2024<sup>a</sup>**

Month <sup>b</sup>	Type approvals			Total <sup>c</sup>
	Standard	Non-standard	SSM	
Jul 2024	130,862	103	4,281	130,965
Jun 2024	120,225	148	4,026	120,373
May 2024	140,977	103	5,386	141,080
Apr 2024	139,318	120	4,383	139,438
Mar 2024	125,466	75	4,572	125,541
Feb 2024	128,439	192	5,234	128,631
Jan 2024	125,854	152	4,217	126,006
Dec 2023	110,794	61	4,135	110,855
Nov 2023	142,357	62	4,681	142,419
Oct 2023	141,088	77	5,159	141,165
Sep 2023	139,393	90	6,767	139,483
Aug 2023	152,472	131	5,437	152,603
Jul 2023	140,731	77	4,157	140,808
Jun 2023	133,198	226	4,099	133,424
May 2023	137,505	103	4,229	137,608
Apr 2023	99,782	67	3,022	99,849
Mar 2023	111,698	69	4,087	111,767
Feb 2023	92,450	69	2,732	92,519
Jan 2023	101,290	76	2,445	101,366
Dec 2022	104,606	45	2,740	104,651
Nov 2022	105,532	27	3,401	105,559
Oct 2022	106,304	101	4,011	106,405
Sep 2022	102,857	74	3,334	102,931
Aug 2022	114,239	71	2,396	114,310
Jul 2022	99,433	61	2,077	99,494

<sup>a</sup> Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

<sup>b</sup> RAV transition period: 1 July 2021 to 30 June 2023 – Pre-July 2023 RAV entries are not necessarily a full enumeration of all vehicles entering the Australian market (see Explanatory Notes for details).

<sup>c</sup> Total excludes Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

**Figure 2 Type approved RAV entries, by approval sub-category and month, last 25 months**

Note: Excludes Second Stage of Manufacture RAV entries  
Sources: RAV and BITRE estimates.



**Table 3 Concessional RAV entry approval vehicle entries, by entry pathway and month, July 2024<sup>a</sup>**

Month <sup>b</sup>	Concessional RAV entry approvals							Total <sup>d</sup>
	RAWS-SEV <sup>c</sup>	RAWS-SSM <sup>c</sup>	Trailer	Older vehicle	SPV <sup>c</sup>	Personal	RAV suitable	
Jul 2024	2,196	1	430	527	81	97	36	3,367
Jun 2024	1,936	0	334	419	84	77	121	2,971
May 2024	2,218	0	384	344	96	86	20	3,148
Apr 2024	1,818	0	373	440	27	63	34	2,755
Mar 2024	1,742	0	334	300	88	88	46	2,598
Feb 2024	1,986	0	428	419	67	118	41	3,059
Jan 2024	1,660	0	385	469	24	102	23	2,663
Dec 2023	1,674	1	397	328	26	138	21	2,584
Nov 2023	1,924	2	460	464	4	143	39	3,034
Oct 2023	1,733	5	364	432	3	154	120	2,806
Sep 2023	1,543	0	513	749	52	136	217	3,210
Aug 2023	1,679	1	405	478	13	144	561	3,280
Jul 2023	993	10	153	432	426	113	421	2,538
Jun 2023	842	19	260	1,897	206	336	582	4,123
May 2023	717	16	57	171	5	103	563	1,616
Apr 2023	473	0	32	188	112	105	251	1,161
Mar 2023	456	4	21	143	11	76	422	1,129
Feb 2023	502	3	18	109	15	32	459	1,135
Jan 2023	404	31	13	122	4	47	505	1,095
Dec 2022	422	4	45	221	7	52	394	1,141
Nov 2022	394	2	64	433	27	110	672	1,700
Oct 2022	288	6	55	555	31	117	523	1,569
Sep 2022	195	1	71	618	28	139	461	1,512
Aug 2022	265	2	80	462	48	121	615	1,591
Jul 2022	161	0	94	508	17	111	372	1,263

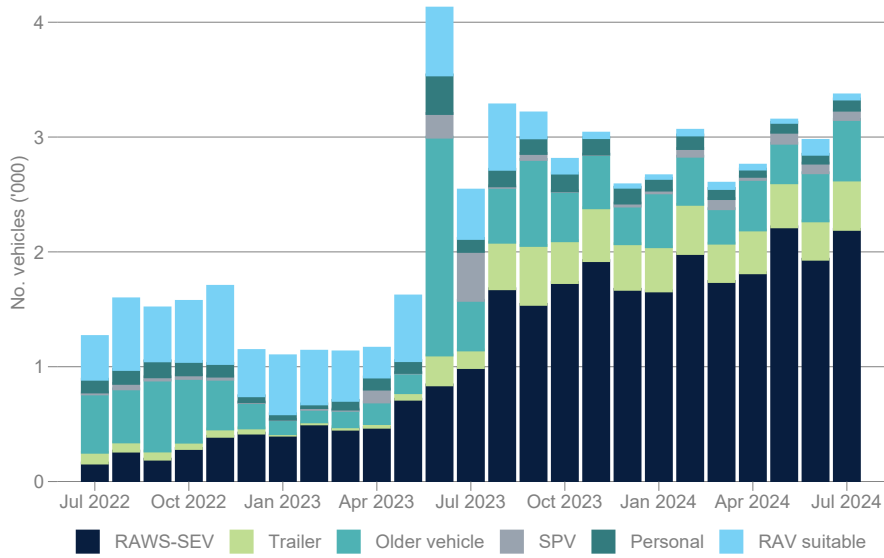
<sup>a</sup> Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

<sup>b</sup> RAV transition period: 1 July 2021 to 30 June 2023 – Pre-July 2023 RAV entries are not necessarily a full enumeration of all vehicles entering the Australian market (see Explanatory Notes for details).

<sup>c</sup> RAWS: Registered Automotive Workshop Scheme; SSM: Second stage of manufacture; SEV: Specialist and Enthusiast Vehicle; SPV: Special Purpose Vehicle.

<sup>d</sup> Total excludes Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

**Figure 3 Concessional RAV entry approval entries, by approval sub-category and month, last 25 months**



Note: Excludes Second Stage of Manufacture RAV entries  
 Sources: RAV and BITRE estimates.

## Type approval RAV entries by vehicle class

**Table 4** Type approval RAV entries, motor vehicles, by vehicle type and month, July 2024<sup>a</sup>

Month <sup>b</sup>	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Motorcycles	Total <sup>c</sup>
Jul 2024	80,670	22,630	4,422	2,110	741	5,063	115,636
Jun 2024	78,373	17,993	4,178	1,862	635	3,026	106,067
May 2024	87,814	23,563	4,688	2,268	805	6,545	125,683
Apr 2024	87,077	24,627	4,608	2,051	486	7,157	126,006
Mar 2024	76,207	23,035	3,680	2,089	278	4,959	110,248
Feb 2024	77,507	24,001	4,531	2,149	359	4,878	113,425
Jan 2024	78,241	23,394	4,422	1,801	394	4,022	112,274
Dec 2023	64,241	22,143	3,000	1,404	273	6,486	97,547
Nov 2023	80,348	31,546	4,503	1,974	451	5,548	124,370
Oct 2023	83,776	29,181	3,581	2,343	413	5,796	125,090
Sep 2023	81,497	30,989	4,335	2,155	353	4,569	123,898
Aug 2023	96,802	25,084	5,378	2,323	362	6,956	136,905
Jul 2023	84,308	22,822	4,239	1,828	379	5,125	118,701
Jun 2023	80,556	23,105	4,917	2,202	523	5,582	116,885
May 2023	95,220	22,000	4,676	2,465	601	5,939	130,901
Apr 2023	68,353	17,440	3,216	1,668	442	5,176	96,295
Mar 2023	73,349	20,966	4,284	1,959	359	6,910	107,827
Feb 2023	61,103	15,550	3,947	1,944	251	6,608	89,403
Jan 2023	69,444	18,486	3,677	1,752	261	5,772	99,392
Dec 2022	70,144	20,442	3,040	1,420	300	6,826	102,172
Nov 2022	72,786	18,993	3,347	1,544	350	5,600	102,620
Oct 2022	67,521	22,227	3,660	1,580	331	7,672	102,991
Sep 2022	63,568	24,803	3,127	1,823	328	6,695	100,344
Aug 2022	76,226	24,236	3,100	2,010	413	5,276	111,261
Jul 2022	62,470	25,180	3,076	2,059	349	4,678	97,812

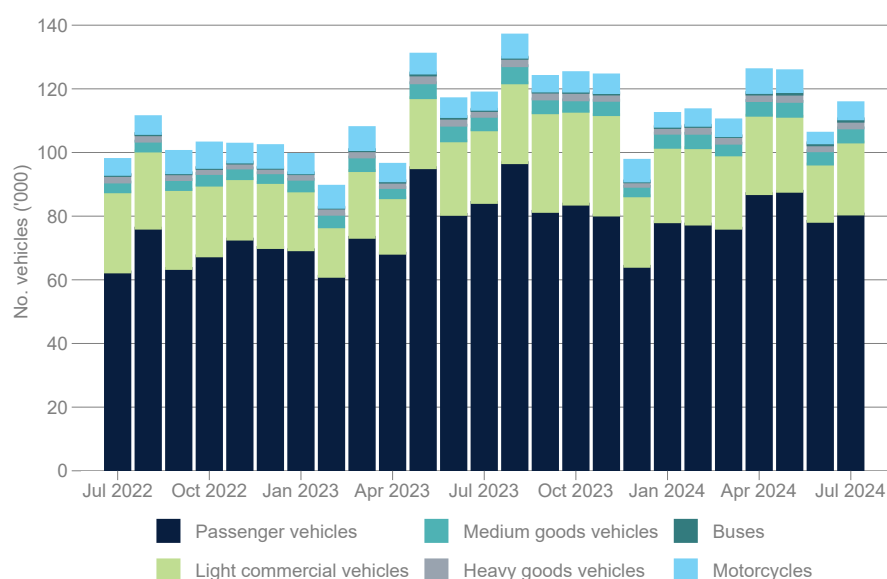
<sup>a</sup> Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

<sup>b</sup> RAV transition period: 1 July 2021 to 30 June 2023 – Pre-July 2023 RAV entries are not necessarily a full enumeration of all vehicles entering the Australian market (see Explanatory Notes for details).

<sup>c</sup> Total excludes Second Stage of Manufacture vehicles.

Sources: RAV and BITRE estimates.

**Figure 4** Type approval RAV entries, motor vehicles, by vehicle type and month, last 25 months



Sources: RAV and BITRE estimates.

**Table 5 Type approval RAV entries, trailers, by trailer type and month, July 2024<sup>ab</sup>**

Month <sup>c</sup>	Very light trailers	Light trailers	Medium trailers	Heavy trailers	Total <sup>d</sup>
Jul 2024	3,048	10,044	668	1,569	15,329
Jun 2024	2,578	9,635	563	1,530	14,306
May 2024	2,473	10,537	679	1,708	15,397
Apr 2024	2,357	8,879	632	1,564	13,432
Mar 2024	3,082	10,138	595	1,478	15,293
Feb 2024	2,895	10,218	540	1,553	15,206
Jan 2024	3,174	8,549	431	1,578	13,732
Dec 2023	2,782	8,890	546	1,090	13,308
Nov 2023	3,306	12,362	625	1,756	18,049
Oct 2023	2,910	10,846	655	1,664	16,075
Sep 2023	3,096	10,244	602	1,643	15,585
Aug 2023	2,422	10,790	524	1,962	15,698
Jul 2023	5,986	14,029	536	1,556	22,107
Jun 2023	4,005	10,664	169	1,701	16,539
May 2023	206	4,805	220	1,476	6,707
Apr 2023	57	2,280	118	1,099	3,554
Mar 2023	108	2,428	61	1,343	3,940
Feb 2023	91	1,796	41	1,188	3,116
Jan 2023	68	765	38	1,103	1,974
Dec 2022	120	1,505	50	804	2,479
Nov 2022	32	1,480	18	1,409	2,939
Oct 2022	19	1,647	11	1,737	3,414
Sep 2022	49	1,302	61	1,175	2,587
Aug 2022	113	1,810	26	1,100	3,049
Jul 2022	13	798	17	854	1,682

<sup>a</sup> Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

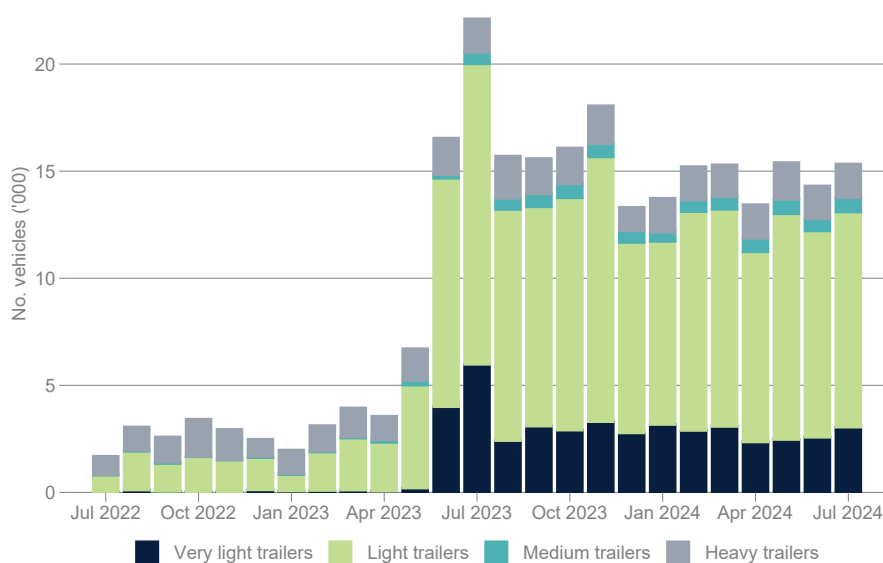
<sup>b</sup> Prior to the July 2024 issue, very light trailer RAV entries were not separately enumerated and combined with light trailer RAV entries.

<sup>c</sup> RAV transition period: 1 July 2021 to 30 June 2023 – Pre-July 2023 RAV entries are not necessarily a full enumeration of all vehicles entering the Australian market (see Explanatory Notes for details).

<sup>d</sup> Total excludes Second Stage of Manufacture vehicles.

Sources: RAV and BITRE estimates.

**Figure 5 Type approval RAV entries, trailers, by trailer type and month, last 25 months**



Sources: RAV and BITRE estimates.

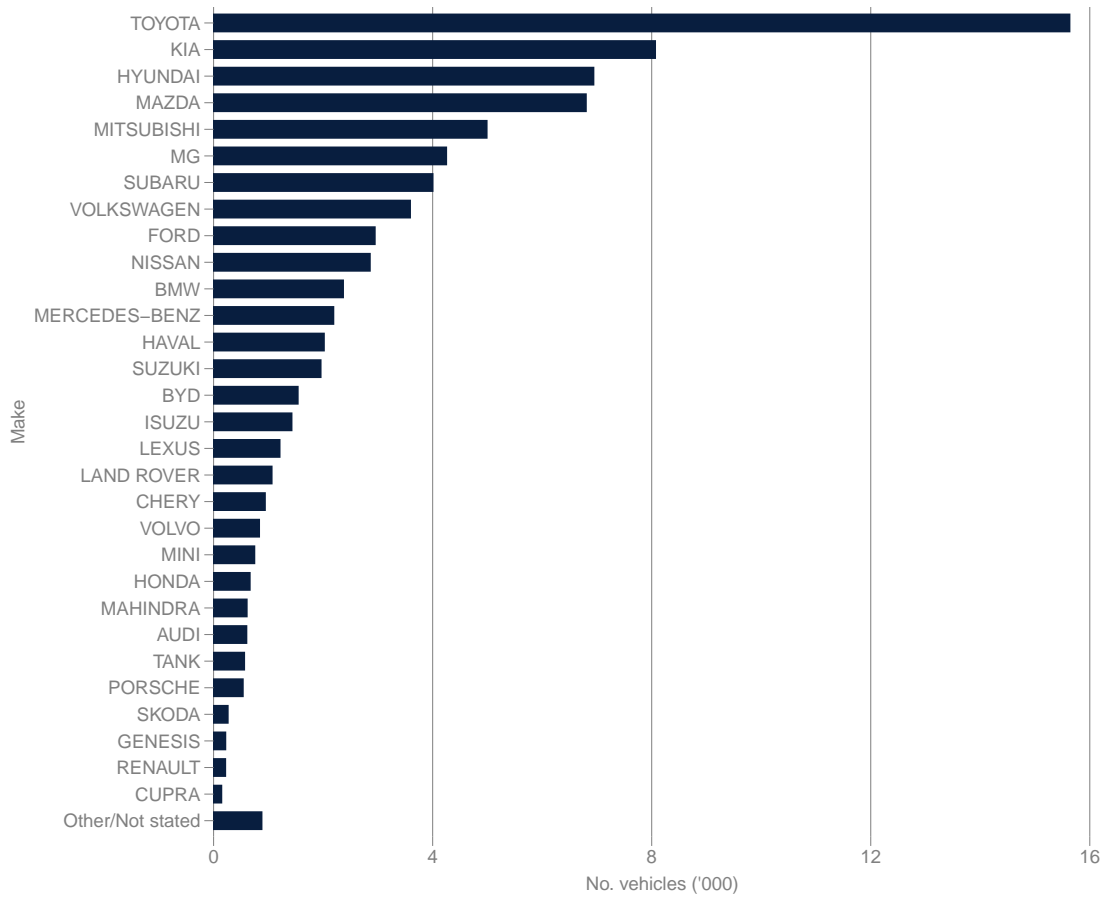
## Type approval RAV entries by vehicle class and make

**Table 6** Type approval RAV entries, passenger vehicles, top 30 makes, July 2024<sup>a</sup>

Rank	Make	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
1	Toyota	15,620	12,328	14,846	96,992	163,996
2	Kia	8,053	6,729	6,945	56,955	88,009
3	Hyundai	6,927	5,727	8,524	41,173	71,428
4	Mazda	6,789	11,894	3,953	49,299	88,965
5	Mitsubishi	4,977	3,686	4,897	34,380	58,638
6	MG	4,238	3,815	5,473	27,880	53,270
7	Subaru	3,989	3,925	4,325	24,755	44,662
8	Volkswagen	3,578	1,895	3,908	15,405	28,585
9	Ford	2,934	1,911	1,905	17,017	26,748
10	Nissan	2,844	2,801	3,248	20,188	41,547
11	BMW	2,355	2,443	2,499	15,986	28,770
12	Mercedes-Benz	2,178	1,862	2,168	12,430	21,292
13	Haval	2,005	2,591	1,748	15,771	25,736
14	Suzuki	1,945	1,981	1,494	13,119	19,390
15	BYD	1,527	1,414	2,730	10,693	15,177
16	Isuzu	1,414	1,724	1,062	15,852	22,116
17	Lexus	1,196	1,441	1,385	7,359	12,934
18	Land Rover	1,051	1,309	564	5,446	9,857
19	Chery	928	412	971	5,405	9,105
20	Volvo	822	931	864	4,963	9,183
21	MINI	735	456	477	2,484	3,874
22	Honda	651	707	961	10,725	19,192
23	Mahindra	596	428	0	2,844	5,020
24	Audi	590	922	1,524	10,158	17,657
25	Tank	549	349	67	3,660	5,966
26	Porsche	524	501	474	4,159	6,680
27	Skoda	249	173	1,026	2,675	6,007
28	Genesis	205	148	257	1,053	1,863
29	Renault	203	101	453	1,062	1,976
30	Cupra	132	177	279	1,374	3,283
31	Other/Not stated	866	3,592	5,281	34,627	61,627
Total	-	80,670	78,373	84,308	565,889	972,553

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

**Figure 6 Type approval RAV entries, passenger vehicles, top 30 makes, July 2024**

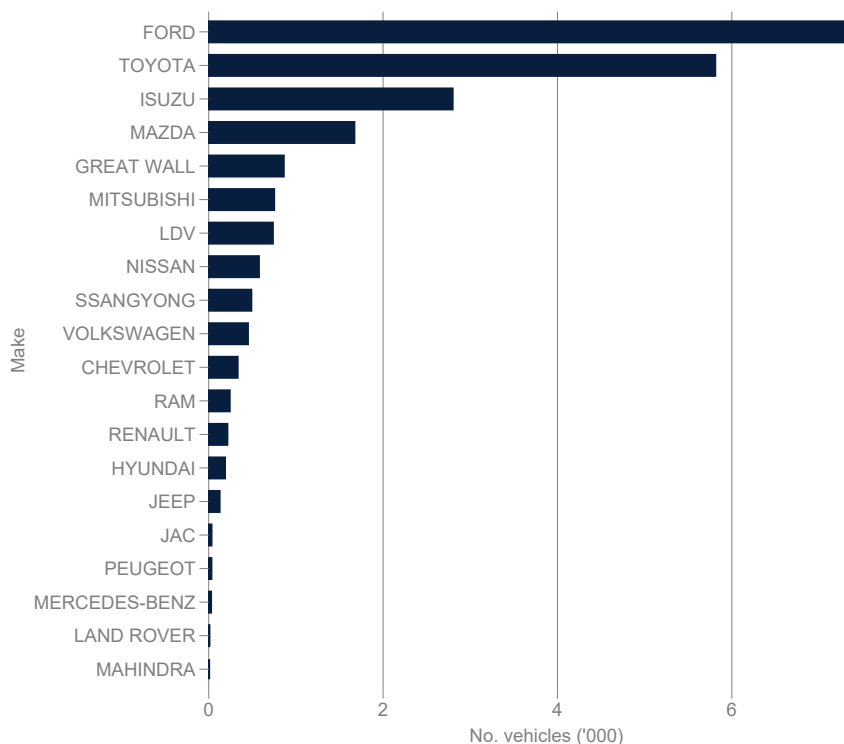


Sources: RAV and BITRE estimates.

**Table 7 Type approval RAV entries, light commercial vehicles, top 20 makes, July 2024<sup>a</sup>**

Rank	Make	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
1	Ford	7,382	4,610	6,774	45,472	82,669
2	Toyota	5,805	4,674	5,897	42,070	75,479
3	Isuzu	2,793	1,821	2,996	18,201	37,556
4	Mazda	1,666	2,007	1,241	7,221	15,933
5	Great Wall	856	882	551	5,324	8,835
6	Mitsubishi	746	1,101	1,147	11,046	20,810
7	LDV	731	751	1,480	5,784	11,187
8	Nissan	571	367	1,445	5,780	12,563
9	Ssangyong	484	312	0	3,380	5,025
10	Volkswagen	445	248	396	5,707	12,515
11	Chevrolet	327	243	79	1,772	3,372
12	RAM	236	342	437	2,663	4,735
13	Renault	209	310	66	1,204	1,977
14	Hyundai	182	144	239	2,629	3,598
15	Jeep	120	18	22	220	404
16	Jac	27	13	0	45	45
17	Peugeot	26	132	23	505	1,049
18	Mercedes-Benz	22	17	29	216	424
19	Land Rover	2	1	0	4	10
20	Mahindra	0	0	0	0	0
Total	-	22,630	17,993	22,822	159,243	298,186

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

**Figure 7 Type approval RAV entries, light commercial vehicles, top 20 makes, July 2024**

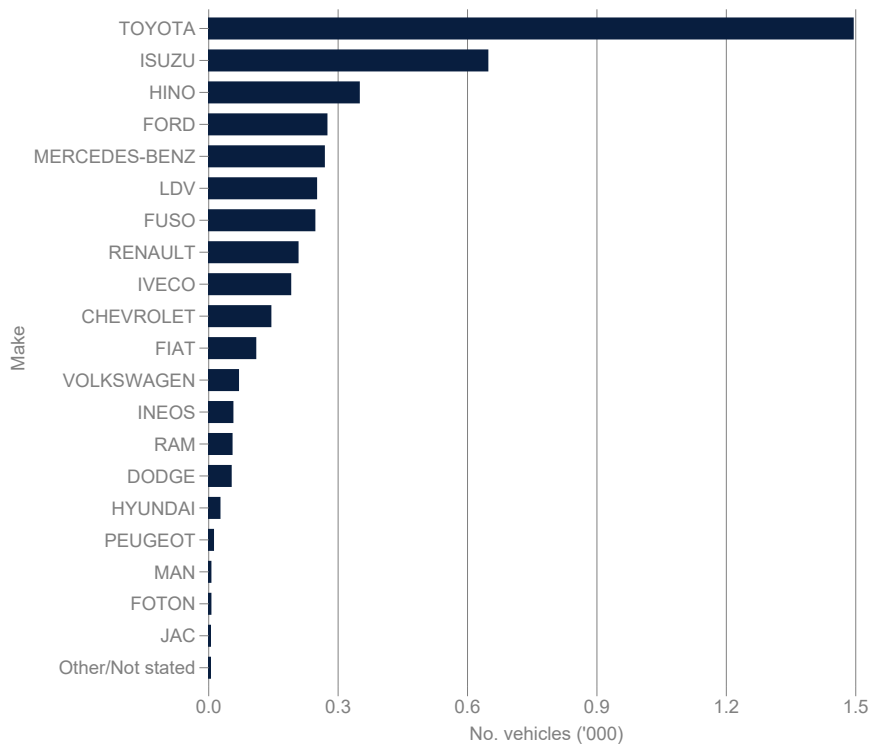
Sources: RAV and BITRE estimates.

**Table 8 Type approval RAV entries, medium goods vehicles, top 20 makes, July 2024<sup>a</sup>**

Rank	Make	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
1	Toyota	1,492	1,051	1,363	8,063	15,101
2	Isuzu	645	731	691	5,511	8,936
3	Hino	347	316	300	2,078	3,474
4	Ford	272	221	3	1,561	1,929
5	Mercedes-Benz	266	518	236	2,752	3,900
6	LDV	248	126	220	1,739	3,179
7	Fuso	244	127	246	1,622	2,855
8	Renault	205	220	152	1,469	2,442
9	IVECO	188	106	267	1,105	1,882
10	Chevrolet	142	101	144	896	1,294
11	Fiat	107	387	173	1,410	2,029
12	Volkswagen	67	91	76	562	988
13	Ineos	54	61	144	471	1,133
14	RAM	52	35	44	235	410
15	Dodge	50	58	156	638	1,129
16	Hyundai	24	25	17	220	333
17	Peugeot	9	0	0	43	52
18	Foton	3	2	5	91	152
19	MAN	3	0	2	7	11
20	Jac	2	1	0	14	43
21	Other/Not stated	2	1	0	42	54
Total	-	4,422	4,178	4,239	30,529	51,326

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

**Figure 8 Type approval RAV entries, medium goods vehicles, top 20 makes, July 2024**



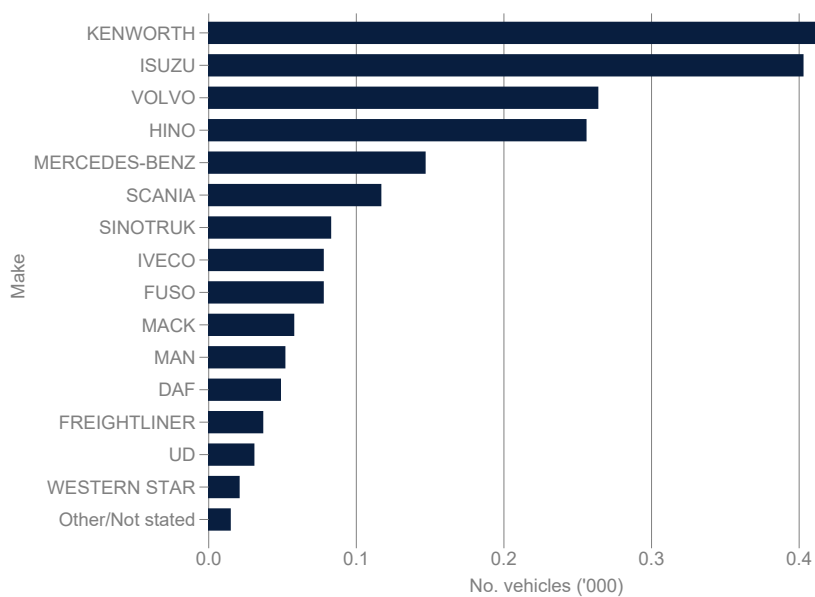
Sources: RAV and BITRE estimates.



**Table 9 Type approval RAV entries, heavy goods vehicles, top 15 makes, July 2024<sup>a</sup>**

Rank	Make	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
1	Kenworth	436	344	307	2,450	4,301
2	Isuzu	402	328	356	2,626	4,459
3	Volvo	263	315	362	2,056	3,433
4	Hino	255	190	116	1,383	2,194
5	Mercedes-Benz	146	117	126	864	1,431
6	Scania	116	137	55	880	1,540
7	Sinotruk	82	49	16	379	531
8	Fuso	77	69	67	748	1,349
9	IVECO	77	44	34	434	668
10	Mack	57	44	106	499	1,032
11	MAN	51	29	76	306	599
12	DAF	48	62	37	570	1,028
13	Freightliner	36	28	32	241	382
14	UD	30	74	80	528	1,033
15	Western Star	20	10	28	210	316
16	Other/Not stated	14	22	30	156	233
Total	-	2,110	1,862	1,828	14,330	24,529

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

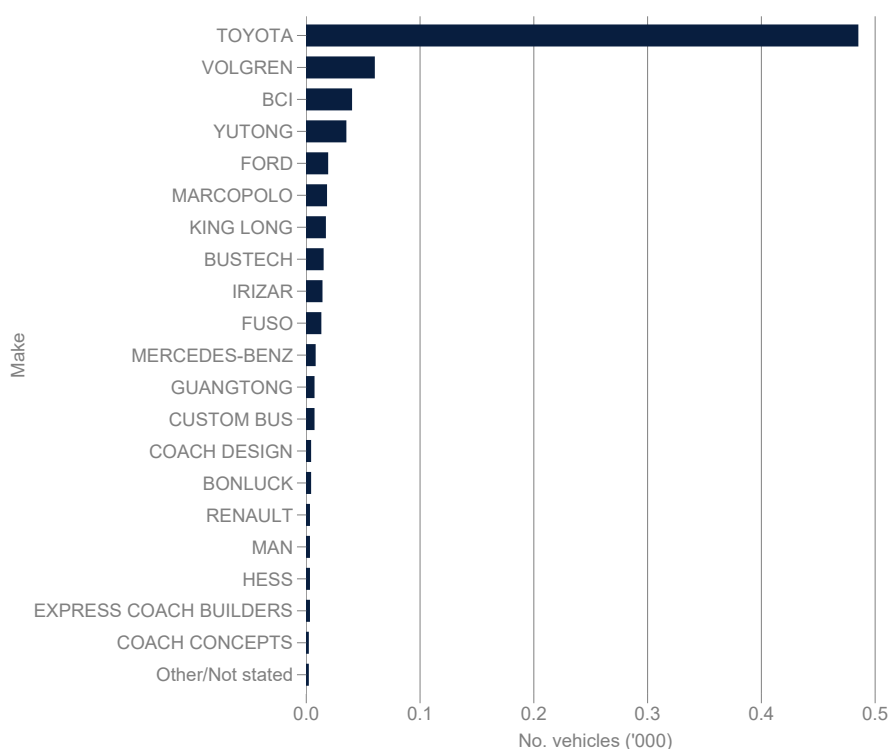
**Figure 9 Type approval RAV entries, heavy goods vehicles, top 15 makes, July 2024**

Sources: RAV and BITRE estimates.

**Table 10** Type approval RAV entries, light and heavy buses, top 20 makes, July 2024<sup>a</sup>

Rank	Make	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
1	Toyota	484	398	224	1,912	2,889
2	Volgren	59	55	37	325	475
3	BCI	39	31	6	140	191
4	Yutong	34	35	8	203	299
5	Ford	18	6	0	99	99
6	Marcopolo	17	0	5	26	34
7	King Long	16	11	8	77	124
8	Bustech	14	1	4	23	31
9	Irizar	13	20	16	134	196
10	Fuso	12	24	42	153	297
11	Mercedes-Benz	7	11	4	77	90
12	Custom Bus	6	10	7	66	115
13	Guangtong	6	0	0	18	19
14	Bonluck	3	3	2	23	31
15	Coach Design	3	0	1	9	19
16	Express Coach Builders	2	2	1	12	29
17	Hess	2	3	0	22	22
18	MAN	2	7	0	12	13
19	Renault	2	0	0	2	2
20	Coach Concepts	1	2	1	17	24
21	Other/Not stated	1	16	13	348	551
Total	-	741	635	379	3,698	5,550

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

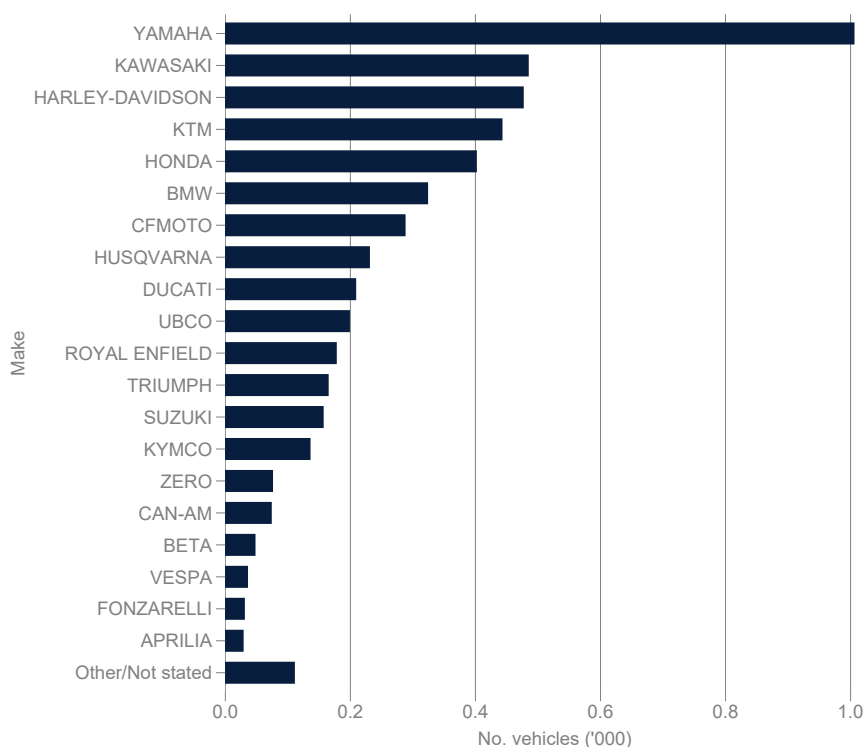
**Figure 10** Type approval RAV entries, all buses, top 20 makes, July 2024

Sources: RAV and BITRE estimates.

**Table 11** Type approval RAV entries, motorcycles, top 20 makes, July 2024<sup>a</sup>

Rank	Make	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
1	Yamaha	1,004	878	862	5,100	10,322
2	Kawasaki	483	222	306	3,030	5,195
3	Harley-Davidson	475	298	128	3,426	5,120
4	KTM	441	197	316	2,852	8,022
5	Honda	400	221	1,480	5,383	9,570
6	BMW	322	281	243	2,176	3,287
7	CFMoto	286	60	48	2,176	2,752
8	Husqvarna	229	0	0	869	2,579
9	Ducati	207	199	144	905	1,564
10	Ubco	197	0	0	197	245
11	Royal Enfield	176	0	52	1,458	2,042
12	Triumph	163	147	146	1,885	2,596
13	Suzuki	155	150	305	1,353	2,904
14	Kymco	134	54	270	1,024	2,110
15	Zero	74	0	0	443	443
16	Can-Am	72	0	56	72	98
17	Beta	46	44	45	388	676
18	Vespa	34	0	56	268	553
19	Fonzarelli	29	53	0	144	240
20	Aprilia	27	14	50	156	268
21	Other/Not stated	109	208	618	2,345	4,419
Total	-	5,063	3,026	5,125	35,650	65,005

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

**Figure 11** Type approval RAV entries, motorcycles, top 20 makes, July 2024

Sources: RAV and BITRE estimates.

## Type approval RAV entries by vehicle class, make and model

**Table 12 Type approval RAV entries, passenger vehicles, top 25 makes and models, July 2024<sup>a</sup>**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Toyota	RAV4	7,092	3,366	3,261	33,689	46,928
	COROLLA	3,631	2,745	3,820	22,428	36,821
	KLUGER	1,694	1,622	999	6,161	10,971
	LANDCRUISER	1,509	1,016	1,478	9,012	15,699
	Other/Not stated	1,694	3,579	5,288	25,702	53,577
	Total	15,620	12,328	14,846	96,992	163,996
Kia	SPORTAGE	2,621	1,334	1,348	14,087	22,062
	CERATO	2,113	1,958	386	12,980	16,496
	CARNIVAL	769	1,094	1,554	6,882	10,876
	SELTOS	608	565	630	5,539	9,570
	SORENTO	548	243	469	6,692	9,865
	RIO	535	298	1,072	3,358	5,779
	Other/Not stated	859	1,237	1,486	7,417	13,361
	Total	8,053	6,729	6,945	56,955	88,009
Hyundai	TUCSON	2,623	1,736	2,379	11,765	21,138
	KONA	1,322	1,959	1,363	10,923	16,933
	I30	765	651	2,411	7,125	14,364
	VENUE	752	586	621	4,094	6,422
	Other/Not stated	1,465	795	1,750	7,266	12,571
	Total	6,927	5,727	8,524	41,173	71,428
Mazda	CX-3	2,463	2,499	990	11,070	18,089
	CX-5	1,548	4,073	1,316	15,864	27,269
	MAZDA 3	1,348	1,160	168	6,876	11,003
	MAZDA 2	885	583	212	3,489	5,683
	Other/Not stated	545	3,579	1,267	12,000	26,921
	Total	6,789	11,894	3,953	49,299	88,965
Mitsubishi	OUTLANDER	2,223	1,790	2,932	15,922	27,952
	ASX	1,439	1,032	845	7,253	12,085
	ECLIPSE	772	525	970	6,361	9,649
	PAJERO	543	339	150	4,844	8,952
	Total	4,977	3,686	4,897	34,380	58,638
MG	AZS1	1,664	1,432	4,234	12,127	21,949
	MG3	865	753	866	6,336	12,618
	HS	657	282	191	2,124	4,033
	MG5	625	219	147	3,229	5,981
	MG4	350	236	35	3,075	7,700
	Other/Not stated	77	893	0	989	989
	Total	4,238	3,815	5,473	27,880	53,270
Subaru	FORESTER	1,467	1,200	1,042	7,984	15,391
	CROSSTREK	1,281	1,237	1,357	6,809	11,774
	OUTBACK	742	1,016	1,384	6,511	12,240
	WRX	230	201	333	1,253	2,189
	Other/Not stated	269	271	209	2,198	3,068
	Total	3,989	3,925	4,325	24,755	44,662
Volkswagen	T-ROC	1,384	735	616	5,862	10,073
	TIGUAN	734	728	1,215	5,610	10,462
	GOLF	550	283	1,054	1,397	2,780
	T-CROSS	472	0	798	476	1,721
	Other/Not stated	438	149	225	2,060	3,549
	Total	3,578	1,895	3,908	15,405	28,585
Ford	EVEREST	2,770	1,911	1,524	15,244	23,418
	Other/Not stated	164	0	381	1,773	3,330
	Total	2,934	1,911	1,905	17,017	26,748

(continued)

**Table 12 Type approval RAV entries, passenger vehicles, top 25 makes and models, July 2024<sup>a</sup>**  
(continued)

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Nissan	X-TRAIL	1,452	1,380	1,318	9,239	19,118
	PATROL	833	611	415	5,166	10,908
	QASHQAI	271	766	1,113	4,344	7,694
	PATHFINDER	248	20	81	482	1,070
	Other/Not stated	40	24	321	957	2,757
	<b>Total</b>	<b>2,844</b>	<b>2,801</b>	<b>3,248</b>	<b>20,188</b>	<b>41,547</b>
BMW	X SERIES	1,008	794	1,163	5,987	11,008
	X1	545	512	395	2,822	5,853
	4 SERIES	230	338	181	2,090	3,115
	3 SERIES	143	190	246	1,597	3,010
	2 SERIES	124	142	248	1,308	2,411
	Other/Not stated	305	467	266	2,182	3,373
	<b>Total</b>	<b>2,355</b>	<b>2,443</b>	<b>2,499</b>	<b>15,986</b>	<b>28,770</b>
Mercedes-Benz	X254	591	443	210	2,653	4,526
	H247	368	298	209	1,396	2,121
	206	195	195	115	1,446	1,989
	V167	180	69	127	953	2,151
	177	168	140	488	1,389	2,139
	X247	144	106	40	808	1,035
	Other/Not stated	532	611	979	3,785	7,331
	<b>Total</b>	<b>2,178</b>	<b>1,862</b>	<b>2,168</b>	<b>12,430</b>	<b>21,292</b>
Haval	JOLION	1,021	1,657	1,086	8,234	12,782
	H6	984	934	662	7,537	12,953
	Other/Not stated	0	0	0	0	1
	<b>Total</b>	<b>2,005</b>	<b>2,591</b>	<b>1,748</b>	<b>15,771</b>	<b>25,736</b>
Suzuki	JIMNY	642	378	440	2,265	3,359
	VITARA	207	184	279	1,621	2,846
	IGNIS	181	82	122	1,113	1,761
	Other/Not stated	915	1,337	653	8,120	11,424
	<b>Total</b>	<b>1,945</b>	<b>1,981</b>	<b>1,494</b>	<b>13,119</b>	<b>19,390</b>
BYD	ATTO3	315	173	2,730	1,272	3,283
	SEAL	169	635	0	5,249	6,256
	Other/Not stated	1,043	606	0	4,172	5,638
	<b>Total</b>	<b>1,527</b>	<b>1,414</b>	<b>2,730</b>	<b>10,693</b>	<b>15,177</b>
Isuzu	MU-X	1,414	1,724	1,062	15,852	22,116
	<b>Total</b>	<b>1,414</b>	<b>1,724</b>	<b>1,062</b>	<b>15,852</b>	<b>22,116</b>
Lexus	NX AZ2	616	862	569	3,321	5,864
	RX AL3	231	158	224	1,303	2,320
	ES XZ1L	62	120	163	597	1,201
	Other/Not stated	287	301	429	2,138	3,549
	<b>Total</b>	<b>1,196</b>	<b>1,441</b>	<b>1,385</b>	<b>7,359</b>	<b>12,934</b>
Land Rover	DEFENDER	632	258	307	1,943	3,869
	RANGE ROVER	331	862	213	2,864	4,893
	DISCOVERY	88	189	44	639	1,095
	<b>Total</b>	<b>1,051</b>	<b>1,309</b>	<b>564</b>	<b>5,446</b>	<b>9,857</b>
Chery	OMODA 5	603	217	971	3,074	4,780
	TIGGO 7	80	0	0	1,461	3,455
	Other/Not stated	245	195	0	870	870
	<b>Total</b>	<b>928</b>	<b>412</b>	<b>971</b>	<b>5,405</b>	<b>9,105</b>
Volvo	X SERIES	341	190	487	1,588	4,549
	XC60	145	112	206	981	1,653
	Other/Not stated	336	629	171	2,394	2,981
	<b>Total</b>	<b>822</b>	<b>931</b>	<b>864</b>	<b>4,963</b>	<b>9,183</b>
MINI	Other/Not stated	735	456	477	2,484	3,874
	<b>Total</b>	<b>735</b>	<b>456</b>	<b>477</b>	<b>2,484</b>	<b>3,874</b>

(continued)

**Table 12 Type approval RAV entries, passenger vehicles, top 25 makes and models, July 2024<sup>a</sup> (continued)**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Honda	ZR-V	362	183	521	3,842	6,271
	CR-V	142	461	0	3,820	7,664
	HR-V	90	0	287	2,081	3,483
	Other/Not stated	57	63	153	982	1,774
	Total	651	707	961	10,725	19,192
Mahindra	XUV700	596	428	0	2,844	4,726
	Other/Not stated	0	0	0	0	294
	Total	596	428	0	2,844	5,020
Audi	Q7	143	12	299	532	1,216
	Q5	108	9	116	1,498	2,958
	GY	94	214	325	2,071	3,579
	A6	61	64	25	231	386
	Q3	52	379	306	3,387	5,040
	A4	43	61	77	393	590
	Q8	41	25	95	262	468
	A5	31	37	85	375	676
	Other/Not stated	17	121	196	1,409	2,744
	Total	590	922	1,524	10,158	17,657
Tank	300	227	190	67	2,413	4,718
	Other/Not stated	322	159	0	1,247	1,248
	Total	549	349	67	3,660	5,966
All other makes	Total	2,179	4,692	7,770	44,950	81,436
Total	Total	80,670	78,373	84,308	565,889	972,553

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

**Table 13 Type approval RAV entries, light commercial vehicles, top 20 makes and models, July 2024<sup>a</sup>**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Ford	RANGER	6,443	3,866	6,735	40,030	75,355
	F150	617	170	0	2,142	2,977
	Other/Not stated	322	574	39	3,300	4,337
	Total	7,382	4,610	6,774	45,472	82,669
Toyota	HILUX	4,590	3,668	5,605	34,649	64,580
	HIACE	1,215	1,006	292	7,421	10,899
	Other/Not stated	0	0	0	0	0
	Total	5,805	4,674	5,897	42,070	75,479
Isuzu	D-MAX	2,793	1,821	2,996	18,201	37,556
	Total	2,793	1,821	2,996	18,201	37,556
Mazda	BT-50	1,666	2,007	1,241	7,221	15,933
	Total	1,666	2,007	1,241	7,221	15,933
Great Wall	CANNON	592	532	551	4,702	8,213
	Other/Not stated	264	350	0	622	622
	Total	856	882	551	5,324	8,835
Mitsubishi	TRITON	239	259	1,147	2,018	11,782
	Other/Not stated	507	842	0	9,028	9,028
	Total	746	1,101	1,147	11,046	20,810
LDV	T60	527	593	1,197	4,126	7,626
	G10	199	156	241	1,470	3,286
	Other/Not stated	5	2	42	188	275
	Total	731	751	1,480	5,784	11,187
Nissan	NAVARA	571	367	1,445	5,780	12,563
	Total	571	367	1,445	5,780	12,563
Ssangyong	MUSSO	484	312	0	3,380	5,025
	Total	484	312	0	3,380	5,025
Volkswagen	CADDY	144	93	61	679	1,135
	TRANSPORTER	44	10	83	448	982
	Other/Not stated	257	145	252	4,580	10,398
	Total	445	248	396	5,707	12,515
Chevrolet	SILVERADO	327	243	79	1,772	3,372
	Total	327	243	79	1,772	3,372
RAM	1500	236	342	437	2,663	4,735
	Total	236	342	437	2,663	4,735
Renault	TRAFIC	164	296	66	1,055	1,828
	Other/Not stated	45	14	0	149	149
	Total	209	310	66	1,204	1,977
Hyundai	STARIA	182	144	239	2,629	3,598
	Total	182	144	239	2,629	3,598
Jeep	GLADIATOR	120	18	22	220	404
	Total	120	18	22	220	404
Jac	Other/Not stated	27	13	0	45	45
	Total	27	13	0	45	45
Peugeot	EXPERT	16	75	7	272	461
	PARTNER	10	57	16	233	587
	Other/Not stated	0	0	0	0	1
	Total	26	132	23	505	1,049
Mercedes-Benz	VITO	22	17	29	212	398
	Other/Not stated	0	0	0	4	26
	Total	22	17	29	216	424
Land Rover	DEFENDER	2	1	0	4	10
	Total	2	1	0	4	10
Mahindra	S5	0	0	0	0	0
	Total	0	0	0	0	0

(continued)

**Table 13 Type approval RAV entries, light commercial vehicles, top 20 makes and models, July 2024<sup>a</sup>**  
**(continued)**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
All other makes	Total	0	0	0	0	0
Total	Total	22,630	17,993	22,822	159,243	298,186

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.



**Table 14 Type approval RAV entries, medium goods vehicles, top 20 makes and models, July 2024<sup>a</sup>**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Toyota	LANDCRUISER	1,423	995	1,363	7,770	14,711
	Other/Not stated	69	56	0	293	390
	Total	1,492	1,051	1,363	8,063	15,101
Isuzu	NLR	232	256	104	1,525	2,265
	NH NP	142	111	208	1,170	1,917
	NPR	91	124	103	974	1,676
	NNR	65	83	109	501	957
	NQR	56	61	53	423	709
	FRR	48	84	108	829	1,262
	Other/Not stated	11	12	6	89	150
	Total	645	731	691	5,511	8,936
Hino	300 SERIES	251	253	237	1,619	2,694
	FC	54	25	26	193	338
	FD	32	28	36	209	370
	Other/Not stated	10	10	1	57	72
	Total	347	316	300	2,078	3,474
Ford	TRANSIT	272	221	3	1,561	1,922
	Other/Not stated	0	0	0	0	7
	Total	272	221	3	1,561	1,929
Mercedes-Benz	SPRINTER	258	513	234	2,710	3,855
	Other/Not stated	8	5	2	42	45
	Total	266	518	236	2,752	3,900
LDV	DELIVER 9	245	105	220	1,580	3,016
	Other/Not stated	3	21	0	159	163
	Total	248	126	220	1,739	3,179
Fuso	CANTER	172	76	216	1,238	2,284
	FIGHTER	72	49	30	379	566
	Other/Not stated	0	2	0	5	5
	Total	244	127	246	1,622	2,855
Renault	MASTER	205	220	152	1,469	2,442
	Total	205	220	152	1,469	2,442
IVECO	DAILY	188	106	267	1,101	1,876
	Other/Not stated	0	0	0	4	6
	Total	188	106	267	1,105	1,882
Chevrolet	SILVERADO	142	101	144	896	1,294
	Total	142	101	144	896	1,294
Fiat	DUCATO	107	387	173	1,410	2,029
	Total	107	387	173	1,410	2,029
Volkswagen	CRAFTER	67	91	76	562	988
	Total	67	91	76	562	988
Ineos	GRENADIER	54	61	144	471	1,133
	Total	54	61	144	471	1,133
RAM	1500	52	35	44	235	410
	Total	52	35	44	235	410
Dodge	RAM D1	48	57	154	602	1,040
	Other/Not stated	2	1	2	36	89
	Total	50	58	156	638	1,129
Hyundai	MIGHTY	23	23	17	185	289
	Other/Not stated	1	2	0	35	44
	Total	24	25	17	220	333
Peugeot	BOXER	9	0	0	43	52
	Total	9	0	0	43	52

(continued)

**Table 14 Type approval RAV entries, medium goods vehicles, top 20 makes and models, July 2024<sup>a</sup> (continued)**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Foton	AUMARK	2	2	3	22	52
	IBLUE	1	0	2	52	70
	Other/Not stated	0	0	0	17	30
	Total	3	2	5	91	152
MAN	TGL	3	0	2	7	11
	Total	3	0	2	7	11
Jac	Other/Not stated	2	1	0	14	43
	Total	2	1	0	14	43
All other makes	Total	2	1	0	42	54
Total	Total	4,422	4,178	4,239	30,529	51,326

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

**Table 15 Type approval RAV entries, heavy goods vehicles, top 20 makes and models, July 2024<sup>a</sup>**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Kenworth	T610	117	87	63	627	1,098
	T909	105	74	47	514	828
	K220	73	51	13	387	490
	T659	48	35	27	240	388
	T410	32	30	19	148	267
	T360	22	19	33	129	230
	Other/Not stated	39	48	105	405	1,000
	Total	436	344	307	2,450	4,301
Isuzu	FVZ	112	53	74	435	772
	FSR	75	73	88	709	1,144
	FYH	56	73	56	443	744
	FVR	50	25	14	279	420
	FXZ	45	57	35	367	554
	FTS	35	21	18	114	217
	Other/Not stated	29	26	71	279	608
	Total	402	328	356	2,626	4,459
Volvo	FH	125	193	239	1,043	1,713
	FM	95	93	94	749	1,247
	FE	42	29	28	260	442
	Other/Not stated	1	0	1	4	31
	Total	263	315	362	2,056	3,433
Hino	FE	70	52	39	347	681
	FG	45	17	19	199	298
	FM	43	64	13	309	384
	GH	33	18	7	124	191
	FL	27	6	11	73	133
	FS	17	9	4	109	170
	Other/Not stated	20	24	23	222	337
	Total	255	190	116	1,383	2,194
Mercedes-Benz	96X	125	96	117	764	1,300
	ECONIC	13	15	7	53	71
	Other/Not stated	8	6	2	47	60
	Total	146	117	126	864	1,431
Scania	R SERIES	47	69	22	446	708
	G SERIES	47	33	12	247	480
	P SERIES	22	34	21	184	346
	Other/Not stated	0	1	0	3	6
	Total	116	137	55	880	1,540
Sinotruk	C7H	42	47	0	190	258
	T5G	32	2	16	171	254
	Other/Not stated	8	0	0	18	19
	Total	82	49	16	379	531
Fuso	FIGHTER	46	41	24	350	544
	FV SERIES	23	18	34	300	636
	FS SERIES	8	10	9	89	154
	Other/Not stated	0	0	0	9	15
	Total	77	69	67	748	1,349
IVECO	S-WAY	69	15	23	297	440
	T-WAY	4	1	4	32	48
	Other/Not stated	4	28	7	105	180
	Total	77	44	34	434	668
Mack	SUPERLINER	20	10	33	172	366
	METROLINER	17	7	9	76	165
	TRIDENT	13	17	36	124	247
	ANTHEM	7	10	28	127	254
	Total	57	44	106	499	1,032

(continued)

**Table 15 Type approval RAV entries, heavy goods vehicles, top 20 makes and models, July 2024<sup>a</sup>**  
**(continued)**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
MAN	TGA	29	20	50	223	445
	TG4	18	3	0	46	47
	TGM	3	6	26	35	105
	Other/Not stated	1	0	0	2	2
	Total	51	29	76	306	599
DAF	CF17	45	45	37	420	826
	XF17	3	12	0	118	169
	Other/Not stated	0	5	0	32	33
	Total	48	62	37	570	1,028
Freightliner	CASCADIA	36	28	32	241	382
	Total	36	28	32	241	382
UD	PK	12	11	14	52	80
	CWB	10	25	9	160	249
	CGB	7	25	15	129	224
	Other/Not stated	1	13	42	187	480
	Total	30	74	80	528	1,033
Western Star	X-SERIES	20	10	28	210	316
	Total	20	10	28	210	316
All other makes	Total	14	22	30	156	233
<b>Total</b>	<b>Total</b>	<b>2,110</b>	<b>1,862</b>	<b>1,828</b>	<b>14,330</b>	<b>24,529</b>

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

**Table 16 Type approval RAV entries, light and heavy buses, top 20 makes and models, July 2024<sup>a</sup>**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Toyota	COMMUTER	465	374	194	1,735	2,621
	Other/Not stated	19	24	30	177	268
	Total	484	398	224	1,912	2,889
Volgren	2 AXLE OMNIBUS	59	55	35	321	464
	Other/Not stated	0	0	2	4	11
	Total	59	55	37	325	475
BCI	PK6120AG	29	13	0	45	54
	PK6127A	7	8	5	58	89
	PK6850ARI	3	0	1	13	18
	Other/Not stated	0	10	0	24	30
	Total	39	31	6	140	191
Yutong	C12	13	6	0	61	75
	D7	12	12	6	77	129
	E12	8	0	1	8	8
	Other/Not stated	1	17	1	57	87
	Total	34	35	8	203	299
Ford	TRANSIT	18	6	0	99	99
	Total	18	6	0	99	99
Marcopolo	AUDACE	17	0	5	26	34
	Total	17	0	5	26	34
King Long	6120BS	13	1	0	41	66
	6911AY	3	10	8	36	57
	Other/Not stated	0	0	0	0	1
	Total	16	11	8	77	124
Bustech	VST	14	1	3	23	29
	Other/Not stated	0	0	1	0	2
	Total	14	1	4	23	31
Irizar	COACH	13	20	16	134	196
	Total	13	20	16	134	196
Fuso	ROSA	12	24	42	153	297
	Total	12	24	42	153	297
Mercedes-Benz	SPRINTER	7	11	4	77	90
	Total	7	11	4	77	90
Custom Bus	ELEMENT	4	9	5	37	62
	PHOENIX	2	0	0	12	14
	Other/Not stated	0	1	2	17	39
	Total	6	10	7	66	115
Guangtong	Other/Not stated	6	0	0	18	19
	Total	6	0	0	18	19
Bonluck	Other/Not stated	3	3	2	23	31
	Total	3	3	2	23	31
Coach Design	COLT	3	0	1	9	19
	Total	3	0	1	9	19
MAN	Other/Not stated	2	7	0	12	13
	Total	2	7	0	12	13
Renault	MASTER	2	0	0	2	2
	Total	2	0	0	2	2
Express Coach Builders	OMNIBUS	2	2	1	12	29
	Total	2	2	1	12	29
Hess	LighTram	2	3	0	22	22
	Total	2	3	0	22	22
Coach Concepts	EXPLORER	1	2	1	17	24
	Total	1	2	1	17	24
All other makes	Total	1	16	13	348	551

(continued)

**Table 16 Type approval RAV entries, light and heavy buses, top 20 makes and models, July 2024<sup>a</sup>**  
**(continued)**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Total	Total	741	635	379	3,698	5,550

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.

**Table 17 Type approval RAV entries, motorcycles, top 20 makes and models, July 2024<sup>a</sup>**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Yamaha	WR SERIES	412	80	3	923	1,431
	YZF	175	144	200	708	1,308
	MTN890	140	48	51	404	769
	SEH2	64	0	0	735	953
	MTM890	61	60	77	203	326
	Other/Not stated	152	546	531	2,127	5,535
	Total	1,004	878	862	5,100	10,322
Kawasaki	EX400	225	75	145	894	1,361
	ZX636	63	22	0	102	156
	ZR900	43	14	0	250	491
	ZX400	27	5	33	90	204
	Other/Not stated	125	106	128	1,694	2,983
	Total	483	222	306	3,030	5,195
Harley-Davidson	CRU SERIES	277	195	118	1,745	2,640
	FLH SERIES	185	78	10	946	1,294
	Other/Not stated	13	25	0	735	1,186
	Total	475	298	128	3,426	5,120
KTM	4T-EXC	122	0	7	743	2,856
	ADVENTURE	105	90	253	837	1,870
	IS DUKE	84	0	13	379	757
	2T-EXC	76	0	9	392	1,650
	SUPER DUKE	27	35	30	166	230
	DUKE	27	40	0	151	151
	Other/Not stated	0	32	4	184	508
	Total	441	197	316	2,852	8,022
Honda	XL750	115	21	87	441	709
	NSC110	96	96	288	1,440	2,208
	CMX500	64	0	64	480	623
	CRF300	48	0	252	342	832
	CBF125	48	0	192	864	1,248
	Other/Not stated	29	104	597	1,816	3,950
	Total	400	221	1,480	5,383	9,570
BMW	S1000	77	51	58	463	668
	K50	74	60	83	408	699
	K8X	47	44	25	350	536
	G310	31	35	19	170	317
	Other/Not stated	93	91	58	785	1,067
	Total	322	281	243	2,176	3,287
CFMoto	CF400	224	32	14	1,259	1,622
	CF650	22	0	0	46	60
	Other/Not stated	40	28	34	871	1,070
	Total	286	60	48	2,176	2,752
Husqvarna	PILEN SERIES	128	0	0	254	486
	FE	63	0	0	271	1,053
	TE	36	0	0	168	570
	Other/Not stated	2	0	0	176	470
	Total	229	0	0	869	2,579
Ducati	3D	59	29	32	121	191
	1X	41	27	16	123	214
	PANIGALE	27	47	32	149	276
	3F	20	7	14	73	125
	4M	12	10	1	84	124
	Other/Not stated	48	79	49	355	634
	Total	207	199	144	905	1,564
Ubco	Other/Not stated	197	0	0	197	245
	Total	197	0	0	197	245

(continued)

**Table 17 Type approval RAV entries, motorcycles, top 20 makes and models, July 2024<sup>a</sup> (continued)**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Royal Enfield	CNEX	54	0	52	545	941
	Other/Not stated	122	0	0	913	1,101
	Total	176	0	52	1,458	2,042
Triumph	DU SERIES	33	20	0	104	118
	L SERIES	15	18	10	90	231
	PV SERIES	10	11	0	127	129
	ROCKET III	9	14	8	107	113
	H801	9	30	14	117	205
	Other/Not stated	87	54	114	1,340	1,800
	Total	163	147	146	1,885	2,596
Suzuki	DR-Z400	31	45	28	287	467
	DS250	23	18	10	208	328
	GSX250	16	22	0	106	207
	GSX-S1000	15	7	19	121	245
	GSX1300	12	14	7	70	177
	GSX-R1000	9	4	7	33	63
	DL800	9	5	15	75	144
	Other/Not stated	40	35	219	453	1,273
	Total	155	150	305	1,353	2,904
Kymco	AGILITY SERIES	120	8	108	508	997
	LIKE SERIES	14	0	108	202	551
	Other/Not stated	0	46	54	314	562
	Total	134	54	270	1,024	2,110
Zero	Other/Not stated	74	0	0	443	443
	Total	74	0	0	443	443
Can-Am	SPYDER	38	0	56	38	58
	RYKER	34	0	0	34	40
	Total	72	0	56	72	98
Beta	RR	46	1	10	251	441
	Other/Not stated	0	43	35	137	235
	Total	46	44	45	388	676
Vespa	Other/Not stated	34	0	56	268	553
	Total	34	0	56	268	553
Fonzarelli	Other/Not stated	29	53	0	144	240
	Total	29	53	0	144	240
Aprilia	TUAREG 660	17	14	10	123	193
	Other/Not stated	10	0	40	33	75
	Total	27	14	50	156	268
All other makes	Total	109	208	618	2,345	4,419
Total	Total	5,063	3,026	5,125	35,650	65,005

<sup>a</sup> Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.  
Sources: RAV and BITRE estimates.



## Concessional approval RAV entries

**Table 18 Concessional approval RAV entries, by vehicle type and month, July 2024<sup>ab</sup>**

Month <sup>c</sup>	Vehicle type										Total <sup>d</sup>
	Pas-senger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Motor-cycles	Very light trailers	Light trailers	Medium trailers	Heavy trailers	Not stated	
Jul 2024	1,870	265	61	81	0	74	306	37	13	660	3,367
Jun 2024	1,563	287	86	82	0	54	237	28	17	617	2,971
May 2024	1,918	255	45	95	0	76	262	42	5	450	3,148
Apr 2024	1,521	262	35	27	0	81	242	40	10	537	2,755
Mar 2024	1,531	186	24	82	0	50	232	41	17	435	2,598
Feb 2024	1,654	301	31	67	0	65	285	59	19	578	3,059
Jan 2024	1,349	273	38	24	0	78	251	48	8	594	2,663
Dec 2023	1,386	259	30	24	0	66	256	63	13	487	2,584
Nov 2023	1,522	371	31	4	0	84	282	73	21	646	3,034
Oct 2023	1,383	331	19	3	0	65	235	52	12	706	2,806
Sep 2023	1,163	368	18	45	0	84	324	92	14	1,102	3,210
Aug 2023	1,476	185	18	13	0	45	276	70	14	1,183	3,280
Jul 2023	905	76	12	426	1	8	120	15	10	965	2,538
Jun 2023	803	39	11	196	0	36	199	8	17	2,814	4,123
May 2023	701	16	0	3	0	2	49	3	5	837	1,616
Apr 2023	455	24	15	91	0	1	22	1	9	543	1,161
Mar 2023	441	16	5	5	0	2	14	3	3	640	1,129
Feb 2023	494	10	5	10	0	2	8	2	7	597	1,135
Jan 2023	397	7	1	4	0	0	12	0	1	673	1,095
Dec 2022	421	2	0	6	0	4	27	9	5	667	1,141
Nov 2022	393	2	4	17	0	8	38	8	12	1,218	1,700
Oct 2022	287	1	0	0	0	4	36	9	6	1,226	1,569
Sep 2022	195	0	0	0	0	8	45	7	11	1,246	1,512
Aug 2022	263	2	0	0	0	5	55	11	9	1,246	1,591
Jul 2022	161	0	1	0	0	12	45	25	12	1,007	1,263

<sup>a</sup> Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

<sup>b</sup> Prior to the July 2024 issue, very light trailer RAV entries were not separately enumerated and combined with light trailer RAV entries.

<sup>c</sup> RAV transition period: 1 July 2021 to 30 June 2023 – Pre-July 2023 RAV entries are not necessarily a full enumeration of all vehicles entering the Australian market (see Explanatory Notes for details).

<sup>d</sup> Total excludes Second Stage of Manufacture vehicles.

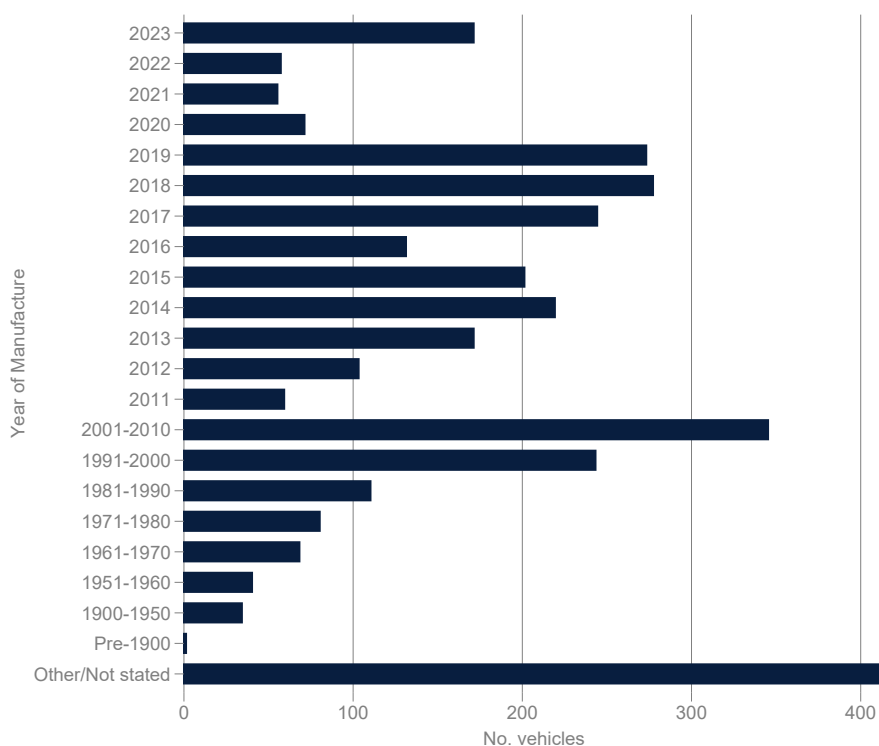
Sources: RAV and BITRE estimates.

**Table 19 Concessional approval RAV entries, by vehicle build year, July 2024**

Year of manufacture	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
2023	171	162	333	1,489	3,507
2022	57	55	193	426	906
2021	55	51	178	398	719
2020	71	61	31	473	776
2019	273	179	42	986	1,399
2018	277	220	145	2,209	3,615
2017	244	218	211	1,459	2,812
2016	131	156	78	1,018	1,692
2015	201	193	106	1,098	1,809
2014	219	172	102	1,221	2,091
2013	171	201	99	1,019	1,587
2012	103	109	93	727	1,386
2011	59	51	50	418	740
2001-2010	345	346	398	2,434	4,455
1991-2000	243	185	210	1,412	2,464
1981-1990	110	65	82	580	1,102
1971-1980	80	90	67	506	1,024
1961-1970	68	67	61	431	800
1951-1960	40	28	34	204	377
1900-1950	34	35	24	179	329
Pre-1900	1	0	0	3	4
Other/Not stated	414	327	1	1,871	1,881
Total	3,367	2,971	2,538	20,561	35,475

Sources: RAV and BITRE estimates.

**Figure 12 Concessional approval RAV entries, by vehicle build year, July 2024**



Sources: RAV and BITRE estimates.

**Table 20 Specialist and Enthusiast Vehicle RAV entries, by SEV category and month, July 2024<sup>a</sup>**

Month <sup>b</sup>	SEV approval criterion							Total
	Camper-vans and Motor-homes	Environ-mental	Left-Hand Drive	Mobility	Perfor-mance	Rarity	Not stated	
Jul 2024	317	1,344	60	159	306	10	0	2,196
Jun 2024	333	1,095	84	161	256	7	0	1,936
May 2024	280	1,357	55	233	288	5	0	2,218
Apr 2024	265	1,073	38	210	230	2	0	1,818
Mar 2024	215	1,072	39	201	205	10	0	1,742
Feb 2024	241	1,105	41	330	262	7	0	1,986
Jan 2024	245	928	39	223	221	4	0	1,660
Dec 2023	206	935	37	243	246	7	0	1,674
Nov 2023	353	1,000	31	270	260	10	0	1,924
Oct 2023	265	932	29	290	211	6	0	1,733
Sep 2023	268	695	14	333	220	9	4	1,543
Aug 2023	161	941	3	300	211	5	58	1,679
Jul 2023	53	520	0	195	189	11	25	993
Jun 2023	19	481	2	125	204	6	5	842
May 2023	6	392	4	176	130	4	5	717
Apr 2023	3	259	0	109	98	2	2	473
Mar 2023	6	236	0	113	92	7	2	456
Feb 2023	5	244	0	133	119	0	1	502
Jan 2023	3	224	0	95	80	2	0	404
Dec 2022	2	205	0	89	121	4	1	422
Nov 2022	1	90	0	1	41	0	261	394
Oct 2022	0	55	0	2	38	0	193	288
Sep 2022	0	30	0	2	27	0	136	195
Aug 2022	0	48	0	2	28	0	187	265
Jul 2022	0	11	0	0	27	0	123	161

<sup>a</sup> Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

<sup>b</sup> RAV transition period: 1 July 2021 to 30 June 2023 – Pre-July 2023 RAV entries are not necessarily a full enumeration of all vehicles entering the Australian market (see Explanatory Notes for details).

Sources: RAV and BITRE estimates.

## Second Stage of Manufacture RAV entries

**Table 21** Second Stage of Manufacture RAV entries, by vehicle type and month, July 2024

Month <sup>a</sup>	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Not stated	Total
Jul 2024	205	2,512	1,390	147	28	0	4,282
Jun 2024	395	2,121	1,333	137	40	0	4,026
May 2024	529	3,230	1,424	173	30	0	5,386
Apr 2024	394	2,541	1,245	173	30	0	4,383
Mar 2024	557	2,690	1,162	139	24	0	4,572
Feb 2024	549	3,258	1,250	147	30	0	5,234
Jan 2024	267	2,910	845	170	25	0	4,217
Dec 2023	173	2,764	1,069	108	22	0	4,136
Nov 2023	234	3,028	1,237	155	29	0	4,683
Oct 2023	141	3,562	1,298	139	23	1	5,164
Sep 2023	130	5,531	1,043	42	21	0	6,767
Aug 2023	166	3,900	1,293	40	39	0	5,438
Jul 2023	119	3,010	971	30	37	0	4,167
Jun 2023	152	2,836	1,088	20	22	0	4,118
May 2023	143	3,043	998	29	32	0	4,245
Apr 2023	82	2,258	657	6	19	0	3,022
Mar 2023	117	3,141	764	54	15	0	4,091
Feb 2023	79	2,001	591	28	36	0	2,735
Jan 2023	85	1,849	498	29	15	0	2,476
Dec 2022	70	1,993	615	50	16	0	2,744
Nov 2022	63	2,584	736	1	19	0	3,403
Oct 2022	50	3,203	705	18	41	0	4,017
Sep 2022	60	2,495	739	34	7	0	3,335
Aug 2022	55	1,403	896	18	26	0	2,398
Jul 2022	41	1,347	642	20	27	0	2,077

<sup>a</sup> RAV transition period: 1 July 2021 to 30 June 2023 – Pre-July 2023 RAV entries are not necessarily a full enumeration of all vehicles entering the Australian market (see Explanatory Notes for details).

Sources: RAV and BITRE estimates.

**Table 22 Second Stage of Manufacture RAV entries, top 10 makes and models, July 2024**

Make	Model	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
Toyota	HILUX	2,098	1,557	2,571	15,652	31,354
	LANDCRUISER	409	391	298	2,474	4,451
	HIACE	30	36	14	126	195
	COMMUTER	13	26	22	102	186
	Other/Not stated	66	84	39	275	449
	<b>Total</b>	<b>2,616</b>	<b>2,094</b>	<b>2,944</b>	<b>18,629</b>	<b>36,635</b>
Ford	RANGER	377	418	197	2,846	4,239
	Other/Not stated	49	56	6	229	238
	<b>Total</b>	<b>426</b>	<b>474</b>	<b>203</b>	<b>3,075</b>	<b>4,477</b>
Nissan	NAVARA	172	242	264	1,551	2,884
	PATROL	74	263	20	2,029	2,379
	Other/Not stated	0	0	0	1	1
	<b>Total</b>	<b>246</b>	<b>505</b>	<b>284</b>	<b>3,581</b>	<b>5,264</b>
Isuzu	D-MAX	160	137	96	1,122	2,018
	NPS	28	24	36	167	295
	MU-X	18	34	31	242	388
	Other/Not stated	16	23	14	201	289
	<b>Total</b>	<b>222</b>	<b>218</b>	<b>177</b>	<b>1,732</b>	<b>2,990</b>
Fiat	DUCATO	186	168	125	1,002	1,601
	Other/Not stated	0	0	0	21	21
	<b>Total</b>	<b>186</b>	<b>168</b>	<b>125</b>	<b>1,023</b>	<b>1,622</b>
Mercedes-Benz	SPRINTER	136	96	211	828	1,462
	96X	20	12	0	116	150
	Other/Not stated	1	3	0	16	23
	<b>Total</b>	<b>157</b>	<b>111</b>	<b>211</b>	<b>960</b>	<b>1,635</b>
Mazda	BT-50	76	82	47	651	1,031
	<b>Total</b>	<b>76</b>	<b>82</b>	<b>47</b>	<b>651</b>	<b>1,031</b>
Renault	MASTER	55	63	21	313	632
	Other/Not stated	0	0	4	12	20
	<b>Total</b>	<b>55</b>	<b>63</b>	<b>25</b>	<b>325</b>	<b>652</b>
IVECO	DAILY	23	19	23	190	333
	Other/Not stated	28	44	4	259	320
	<b>Total</b>	<b>51</b>	<b>63</b>	<b>27</b>	<b>449</b>	<b>653</b>
Volvo	Other/Not stated	49	52	1	343	525
	<b>Total</b>	<b>49</b>	<b>52</b>	<b>1</b>	<b>343</b>	<b>525</b>
All other makes	<b>Total</b>	<b>198</b>	<b>196</b>	<b>123</b>	<b>1,332</b>	<b>2,804</b>
<b>Total</b>	<b>Total</b>	<b>4,282</b>	<b>4,026</b>	<b>4,167</b>	<b>32,100</b>	<b>58,288</b>

Sources: RAV and BITRE estimates.

## RAV entries of caravans and camper trailers

**Table 23 RAV entries of caravans and camper trailers, top 20 makes, July 2024<sup>a</sup>**

Rank	Make	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
1	Jayco	466	594	897	4,277	8,522
2	Market Direct Campers	274	206	297	1,428	2,471
3	Regent RV	213	142	146	1,674	3,170
4	Austrack Campers	198	81	319	1,485	2,433
5	Crusader	172	115	191	1,143	2,010
6	Ezytrail	169	137	182	1,140	2,143
7	Mars	118	85	0	412	528
8	Network RV	118	58	169	584	1,178
9	Stoney Creek Campers	75	105	24	536	979
10	Essential Caravans	73	60	149	512	1,023
11	Supreme Caravans	72	52	80	458	811
12	Leader Caravans	71	63	79	426	812
13	Design RV	70	37	290	351	701
14	Urban Caravans	60	68	38	304	572
15	Arctic Campers	55	68	0	265	274
16	Zone RV	55	52	42	335	527
17	Lotus Caravans	53	36	208	354	600
18	New Age Caravans	46	64	170	638	1,299
19	Viscount Caravans	40	36	52	247	473
20	JB Caravans	39	18	345	318	834
21	Other makes	1,211	1,298	2,299	9,058	17,877
Total	-	3,648	3,375	5,977	25,945	49,237

<sup>a</sup> Caravan and camper trailer RAV entry estimates are derived from trailer make and model information supplied to the RAV, and may not fully enumerate all caravans and camper trailer RAV entries.  
Sources: RAV and BITRE estimates.

**Table 24 RAV entries of caravans and camper trailers, by tare weight, July 2024<sup>a</sup>**

Tare weight	Jul 2024	Jun 2024	Jul 2023	Year to date	Last 12 months
<= 500kg	48	22	11	256	570
500-1000kg	100	136	140	865	1,630
1000-1500kg	305	298	462	2,324	4,543
1500-2000kg	554	611	850	4,105	7,669
2000-2500kg	1,444	1,253	2,473	10,309	19,292
2500-3000kg	1,053	924	1,807	7,224	13,972
3000-5000kg	144	130	230	859	1,552
> 5000kg	0	1	3	2	8
Not stated	0	0	1	1	1
Total	3,648	3,375	5,977	25,945	49,237

<sup>a</sup> Caravan and camper trailer RAV entry estimates are derived from trailer make and model information supplied to the RAV, and may not fully enumerate all caravans and camper trailer RAV entries.  
Sources: RAV and BITRE estimates.

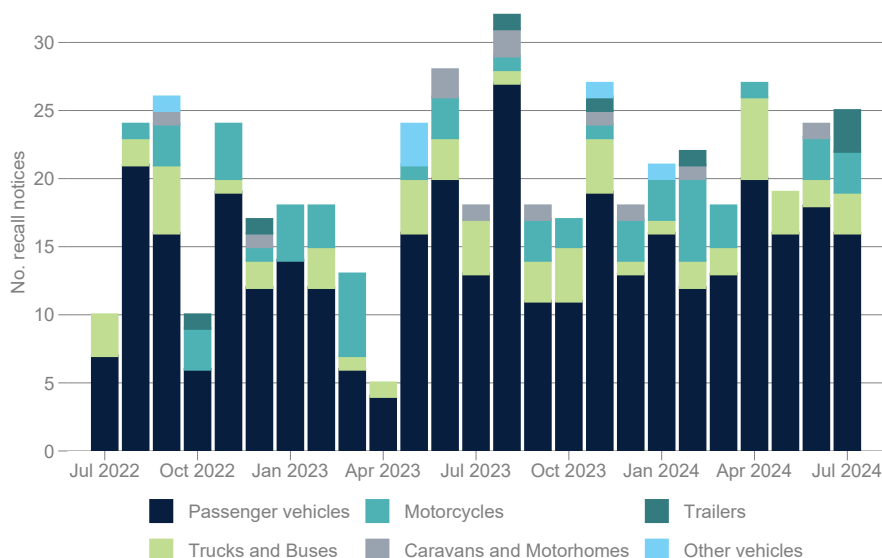
# Vehicle recalls

**Table 25** Vehicle recall notices issued, by month of issue, July 2022 to July 2024

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
Jul 2024	16	3	3	0	3	0	25
Jun 2024	18	2	3	1	0	0	24
May 2024	16	3	0	0	0	0	19
Apr 2024	20	6	1	0	0	0	27
Mar 2024	13	2	3	0	0	0	18
Feb 2024	12	2	6	1	1	0	22
Jan 2024	16	1	3	0	0	1	21
Dec 2023	13	1	3	1	0	0	18
Nov 2023	19	4	1	1	1	1	27
Oct 2023	11	4	2	0	0	0	17
Sep 2023	11	3	3	1	0	0	18
Aug 2023	27	1	1	2	1	0	32
Jul 2023	13	4	0	1	0	0	18
Jun 2023	20	3	3	2	0	0	28
May 2023	16	4	1	0	0	3	24
Apr 2023	4	1	0	0	0	0	5
Mar 2023	6	1	6	0	0	0	13
Feb 2023	12	3	3	0	0	0	18
Jan 2023	14	0	4	0	0	0	18
Dec 2022	12	2	1	1	1	0	17
Nov 2022	19	1	4	0	0	0	24
Oct 2022	6	0	3	0	1	0	10
Sep 2022	16	5	3	1	0	1	26
Aug 2022	21	2	1	0	0	0	24
Jul 2022	7	3	0	0	0	0	10

Sources: ROVER and BITRE estimates.

Figure 13 Vehicle recall notices, by vehicle type, July 2022 to July 2024



Sources: DITRDCA ROVER and BITRE estimates.

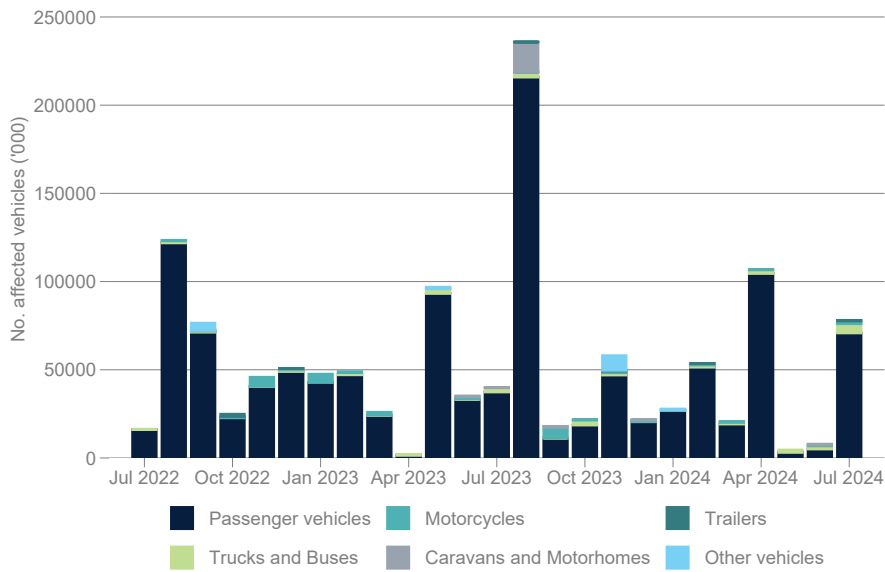
Table 26 Vehicle recalls, total vehicles affected, by month of issue, July 2022 to July 2024

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
Jul 2024	70,899	5,234	1,548	0	295	0	77,976
Jun 2024	5,094	1,779	457	476	0	0	7,806
May 2024	3,168	1,324	0	0	0	0	4,492
Apr 2024	104,603	2,045	200	0	0	0	106,848
Mar 2024	19,247	913	535	0	0	0	20,695
Feb 2024	51,482	1,210	765	26	128	0	53,611
Jan 2024	26,900	255	130	0	0	443	27,728
Dec 2023	20,562	155	887	62	0	0	21,666
Nov 2023	47,041	1,316	842	50	471	8,262	57,982
Oct 2023	18,668	2,847	224	0	0	0	21,739
Sep 2023	11,313	56	6,092	449	0	0	17,910
Aug 2023	215,927	2,828	40	16,999	9	0	235,803
Jul 2023	37,427	2,419	0	36	0	0	39,882
Jun 2023	33,244	334	1,371	72	0	0	35,021
May 2023	93,280	2,711	72	0	0	729	96,792
Apr 2023	1,479	525	0	0	0	0	2,004
Mar 2023	24,225	30	1,627	0	0	0	25,882
Feb 2023	47,173	1,225	511	0	0	0	48,909
Jan 2023	42,786	0	4,702	0	0	0	47,488
Dec 2022	49,037	896	516	303	5	0	50,757
Nov 2022	40,538	61	5,140	0	0	0	45,739
Oct 2022	22,770	0	787	0	1,220	0	24,777
Sep 2022	71,334	669	370	20	0	4,000	76,393
Aug 2022	121,945	1,183	160	0	0	0	123,288
Jul 2022	16,121	175	0	0	0	0	16,296

Sources: ROVER and BITRE estimates.



**Figure 14** Vehicle recalls, total vehicles affected, by vehicle type, July 2022 to July 2024



Sources: DITRDCA ROVER and BITRE estimates.

# Explanatory notes

## Road Vehicle Standards Act 2018

The Road Vehicle Standards Act 2018 (RVSA) commenced on 1 July 2021 to support the safety, environmental and anti-theft performance of all road vehicles being provided to the Australian market for the first time. The RVSA regulates the importation and provision of road vehicles. It also regulates the provision of certain road vehicle components.

Road vehicles and certain road vehicle components must comply with national road vehicle standards set by the Minister, except in limited circumstances.

The RVSA established a Register of Approved Vehicles (RAV), an online searchable database of vehicles that have met the requirements of the RVSA and been approved for provision to the Australian market. Road vehicles must be entered on the RAV before they are provided to the Australian market. An approval is required to import a road vehicle into Australia.

The RAV is administered by the Road and Vehicle Safety Branch, within the Department of Infrastructure, Transport, Regional Development, Communications and the Arts (the Department).

The following sections provide a broad overview of the conditions governing entry of vehicles on the RAV. Further information is on the Road Vehicle Standards laws webpage<sup>7</sup> and in the following RVSA-related legislative instruments:

- Road Vehicles Standards Act 2018
- Road Vehicles Standards Rules 2019
- Road Vehicle Standards (Information on the Register of Approved Vehicles) Determination 2021
- Vehicle Standard (Australian Design Rule – Definitions and Vehicle Categories) 2005

## RAV approvals

A vehicle may be entered on the RAV only if it satisfies the requirements of one of two entry pathways:

- Type approval pathway
- Concessional RAV entry approval pathway<sup>8</sup>

## Vehicle type approvals

A vehicle of a particular type satisfies the requirements of the *vehicle type approval* pathway if, immediately before the vehicle is entered on the RAV, all of the following conditions are satisfied:

- a *road vehicle type approval*, applicable to that type of vehicle, is in force
- the design and componentry of the vehicle is in accordance with the design and componentry for that type of vehicle set out in any version of the supporting information for the approval
- the vehicle was manufactured in accordance with the manufacturing process for that type of vehicle set out in any version of the supporting information for the approval
- either
  - the vehicle complies with the applicable national road vehicle standards, as in force at the time the vehicle is entered on the RAV; or
  - the road vehicle type approval specifies that vehicles of that type are not required to comply with the applicable national road vehicle standards in certain respects (generally that the non-compliance is only minor and inconsequential and the vehicle complies with standards that make it suitable for use on Australian public roads)

<sup>7</sup> <https://www.infrastructure.gov.au/infrastructure-transport-vehicles/vehicles/road-vehicle-standards-laws>

<sup>8</sup> Referred to elsewhere here as 'Concessional approval RAV entries'.

- the vehicle is a new vehicle; and
- either, the vehicle is in Australia or the type approval allows the entry of the vehicle on the RAV when the vehicle is outside Australia.

## Concessional RAV entry approvals

A road vehicle satisfies the requirements of the concessional RAV entry approval pathway if it meets the following conditions:

- a concessional RAV entry approval that applies to the vehicle is in force
- if the approval is subject to a condition that is required to be met before the vehicle is entered on the RAV—the condition has been met
- either the vehicle is in Australia or the approval allows the entry of the vehicle on the RAV when the vehicle is outside Australia.

A concessional RAV entry approval may be granted for the following:

- a road vehicle that is an older vehicle
- a road vehicle that is to be modified by the holder of a Registered Automotive Workshop (RAW) approval
- a road vehicle that is a special purpose vehicle
- a road vehicle that is to be imported as part of the person's personal effects
- a road vehicle that is a trailer
- a road vehicle on the grounds that the vehicle is suitable for entry on the RAV.

Further details are provided in DITRDCA (2023b).

## Vehicle attributes recorded on the RAV

Vehicle attributes recorded on the RAV include:

- vehicle identification number (VIN)
- make
- model
- build date
- entry pathway category
- vehicle category
- tare mass
- gross vehicle mass (GVM)
- gross combination mass (GCM)
- gross trailer mass
- maximum engine power
- seating capacity
- road train capable (yes/no)
- B-double capable (yes/no)

The RAV does not include information vehicle's motive power source (e.g. internal combustion engine, battery electric vehicle) and/or fuel type (e.g. petrol, diesel, etc.).

## RAV coverage

The RVSA commenced in full on 1 July 2021 and triggered a 12-month transition period for certain segments of the industry to enter information on the RAV. This transitional period was subsequently extended for a further 12 months, to 30 June 2023, to allow more time for industry segments to transition their businesses to operate under the RVSA. Segments permitted a transition extension included:

- Identification plate approval (IPA) holders
- Registered Automotive Workshops (RAWs)
- Motor Vehicle Standards Act 1989 (MVSA) and Interim Specialist and Enthusiast Vehicles (SEV) list vehicles
- Vehicles with MVSA import approval

- Low aggregate trailer mass (ATM) trailer manufacturers
- Special purpose vehicles (SPVs)
- Second stage of manufacture (SSM) vehicles.

# Glossary

**Entry Pathway Sub-category** The basis on which the vehicle type approval or concessional RAV entry approval was granted to the specified vehicle.

## Entry Pathway sub-categories

The following section defines the eligibility criteria for each of the RAV entry pathway sub-categories.

**Type approval – Standard** Sub-category applies to a vehicle if:

- the vehicle is to be entered on the RAV via the type approval pathway
- the road vehicle type approval that applies to the vehicle was granted on the basis of the matter in:
  - the type of vehicle complies with the applicable national road vehicle standards, in force at the time of the application decision
  - the type of vehicle *substantially* complies with the applicable national road vehicle standards as in force at the time of the application decisions, and the non-compliance is only in minor and inconsequential respects.

**Type approval – Non-standard** Sub-category applies to a road vehicle where all of the following apply:

- the vehicle is to be entered on the RAV via the type approval pathway
- the type of vehicle *substantially* complies with the applicable national road vehicle standards as in force at the time of the application decisions, and the non-compliance is only in minor and inconsequential respects (refer to *Road Vehicle Standards (Information on the Register of Approved Vehicles) Determination 2021*, Section 6(4).)

**Type approval – Second stage of manufacture** Sub-category applies to a road vehicle where all of the following apply:

- the vehicle (base vehicle) was entered on the RAV via the type approval pathway
- the base vehicle underwent a second stage of manufacture (SSM) in accordance with the supporting information for the applicable road vehicle type approval before being provided to a consumer for the first time in Australia; and
- the vehicle, following the SSM is entered on the RAV via the type approval pathway - Second stage of manufacture.

**RAWS concessional approval – Specialist and Enthusiast Vehicles (SEV)** Sub-category applies to a road vehicle where all of the following apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the vehicle is covered by an entry on the SEVs Register
- the concessional RAV vehicle was modified or manufactured by the holder of a RAW approval (refer to subparagraph 37(a)(i) of the *Road Vehicles Standards Rules 2019* for full details).

**RAWS concessional – Used motorcycle full compliance** Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the vehicle is a used two-wheeled vehicle or a used three-wheeled vehicle
- the concessional RAV vehicle was modified or manufactured by the holder of a RAW approval (refer to subparagraph 37(a)(i) of the *Road Vehicles Standards Rules 2019* for full details).

**RAWS concessional – Second stage of manufacture** Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the vehicle is a road vehicle that:

- is entered on the RAV via the type approval pathway
- has not been provided to a consumer for the first time in Australia; and
- has been, is currently undergoing or will be subject to second stage of manufacture before being so provided
- the concessional RAV vehicle was modified or manufactured by the holder of a RAW approval (see subparagraph 37(a)(i) of the *Road Vehicles Standards Rules 2019*).

**Concessional-Trailers** Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the concessional RAV entry approval that applies to the vehicle was granted on the basis of the eligibility criterion in section 40 of the *Road Vehicles Standards Rules 2019*.

**Concessional-Older vehicle** Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the vehicle is in one of the following vehicle categories:
  - Passenger car (ADR vehicle code: MA)
  - Forward-control Passenger Vehicle (MB)
  - Off-road Passenger Vehicle (MC)
  - Moped - 2 wheels (LA)
  - Moped - 3 wheels (LB)
  - Motor cycle (LC)
  - Motor cycle and side-car (LD)
  - Motor tricycle (LE)
  - Light Goods Vehicle (NA)
- the vehicle has a relevant build date that is at least 25 years before the date of the RAV application (see section 36 of the *Road Vehicles Standards Rules 2019* for full details).

**Concessional-Special purpose vehicle** Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the concessional RAV entry approval that applies to the vehicle was granted on the basis of the eligibility criterion in section 38 of the *Road Vehicles Standards Rules 2019*.

**Concessional-Personal effects** Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the concessional RAV entry approval that applies to the vehicle was granted on the basis of the eligibility criterion in section 39 of the *Road Vehicles Standards Rules 2019* – in broad terms, to a vehicle that a person becomes the owner of while living outside Australia on a permanent basis. Where the person arrives in Australia with the intention of living there indefinitely (in addition to meeting other requirements), they may seek to import the vehicle as part of their personal effects.

**Concessional-Road vehicle suitable for entry on RAV** Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway; and
- the concessional RAV entry approval that applies to the vehicle was granted on the basis that the Minister is satisfied that the vehicle is suitable for entry on the RAV (see section 41 of the *Road Vehicles Standards Rules 2019*).

## Australian Design Rules vehicle categories

Australian Design Rule vehicle categories are defined in *Vehicle Standard (Australian Design Rule – Definitions and Vehicle Categories) 2005*, and are listed here for convenience.

## Two-wheeled and three-wheeled vehicles

**Moped - 2 Wheels (ADR code: LA)** A 2-wheeled motor vehicle, not being a 'Power-Assisted Pedal Cycle', with an engine cylinder capacity not exceeding 50 ml and a 'Maximum Motor Cycle Speed' not exceeding 50 km/h; or a 2-wheeled motor vehicle with a power source other than a piston engine and a 'Maximum Motor Cycle Speed' not exceeding 50 km/h.

**Moped - 3 Wheels (LB)** A 3-wheeled motor vehicle, not being a 'Power-Assisted Pedal Cycle', with an engine cylinder capacity not exceeding 50 ml and a 'Maximum Motor Cycle Speed' not exceeding 50 km/h; or a 3-wheeled motor vehicle with a power source other than a piston engine and a 'Maximum Motor Cycle Speed' not exceeding 50 km/h.

**Motor cycle (LC)** A 2-wheeled motor vehicle with an engine cylinder capacity exceeding 50 ml or a 'Maximum Motor Cycle Speed' exceeding 50 km/h.

**Motor cycle and side-car (LD)** A motor vehicle with 3 wheels asymmetrically arranged in relation to the longitudinal median axis, with an engine cylinder capacity exceeding 50 ml or a 'Maximum Motor Cycle Speed' exceeding 50 km/h.

**Side-car** A car, box or other receptacle attached to the side of a motor cycle and for the support of which a wheel is provided.

**Motor tricycle (LE)** A motor vehicle with 3 wheels symmetrically arranged in relation to the longitudinal median axis, with a 'Gross Vehicle Mass' not exceeding 1.0 tonne and either an engine cylinder capacity exceeding 50 ml or a 'Maximum Motor cycle Speed' exceeding 50 km/h.

## Passenger vehicles (excluding omnibuses)

**Passenger car (MA)** A passenger vehicle, not being an off-road passenger vehicle or a forward-control passenger vehicle, having up to 9 seating positions, including that of the driver.

**Forward-control passenger vehicle (MB)** A passenger vehicle, not being an off-road passenger vehicle, having up to 9 seating positions, including that of the driver, and in which the centre of the steering wheel is in the forward quarter of the vehicle's 'total length'.

**Off-road passenger vehicle (MC)** A passenger vehicle having up to 9 seating positions, including that of the driver and being designed with special features for off-road operation.

## Omnibuses

**Light omnibus (MD)** A passenger vehicle having more than 9 seating positions, including that of the driver, and a Gross Vehicle Mass not exceeding 5.0 tonnes.

**Heavy omnibus (ME)** A passenger vehicle having more than 9 seating positions, including that of the driver, and a Gross Vehicle Mass exceeding 5.0 tonnes.

## Goods vehicles

**Light goods vehicle (NA)** A motor vehicle constructed primarily for the carriage of goods and having at least 4 wheels; or 3 wheels and a Gross Vehicle Mass exceeding 1.0 tonne and not exceeding 3.5 tonnes.

**Medium goods vehicle (NB)** A motor vehicle constructed primarily for the carriage of goods and having at least 4 wheels; or 3 wheels and a Gross Vehicle Mass exceeding 3.5 tonnes and not exceeding 12.0 tonnes.

**Heavy goods vehicle (NC)** A motor vehicle constructed primarily for the carriage of goods and having at least 4 wheels; or 3 wheels and a Gross Vehicle Mass exceeding 12.0 tonnes.

## Trailers

**Very light trailer (TA)** A single-axled trailer (i.e. vehicle without motive power constructed to be drawn behind a motor vehicle) with a 'Gross Trailer Mass' not exceeding 0.75 tonnes.

**Light trailer (TB)** A trailer (i.e. vehicle without motive power constructed to be drawn behind a motor vehicle) with a 'Gross Trailer Mass' not exceeding 3.55 tonnes, other than a trailer of Category TA.

**Medium trailer (TC)** A trailer (i.e. vehicle without motive power constructed to be drawn behind a motor vehicle) with a 'Gross Trailer Mass' exceeding 3.5 tonnes but not exceeding 10 tonnes.

**Heavy trailer (TD)** A trailer (i.e. vehicle without motive power constructed to be drawn behind a motor vehicle) with a 'Gross Trailer Mass' exceeding 10.0 tonnes.

## BITRE Road Vehicles Australia vehicle type

BITRE's Road Vehicles Australia vehicle types are defined in BITRE (2023), and listed here for convenience.

**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 connected to one or more trailers.

**Buses** Motor vehicles constructed for the carriage of passengers. This category includes 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. This includes motor homes and powered caravans.

**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. This includes 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.

**Motorcycles** Two- and three-wheeled motor vehicles constructed primarily for the carriage of one or two persons. This category includes two and three wheeled mopeds, scooters, motor tricycles and motorcycles with sidecars.

**Non-Freight Carrying Vehicles** Specialist motor vehicles or motor vehicles fitted with special purpose equipment, and having little or no-load 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). This category includes cars, station wagons, four-wheel drive passenger vehicles and forward-control passenger vehicles. Campervans are excluded.

**Rigid Trucks** Motor vehicles of GVM greater than 3.5 tonnes, constructed with a load carrying area. This includes 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:

- 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.



# Abbreviations

ADR – Australian Design Rules

ATM – Aggregate trailer mass

BITRE – Bureau of Infrastructure and Transport Research Economics

DITRDCA – Department of Infrastructure, Transport, Regional Development, Communications and the Arts

FCV – Forward control passenger vehicle

GCM – Gross combination mass

GVM – Gross vehicle mass

HGV – Heavy goods vehicles

LCV – Light commercial vehicles

LGV – Light goods vehicles

MGV – Medium goods vehicles

MVSA – Motor Vehicle Standards Act 1989

OEM – original equipment manufacturer

RAV – Register of Approved Vehicles

RAW – Registered Automotive Workshop

RAWS – Registered Automotive Workshop Scheme

ROVER – Road Vehicle Regulator (RVSA administration system)

RVSA – Road Vehicles Standards Act 2018

SEV – Specialist and Enthusiast Vehicle

SSM – Second Stage of Manufacture

# References

Bureau of Infrastructure and Transport Research Economics 2023, *Road Vehicles Australia, January 2023*, Statistical Report, URL: <https://www.bitre.gov.au/publications/2023/road-vehicles-australia-january-2023>, Accessed: 28 June 2023.

Department of Infrastructure, Transport, Regional Development, Communications and the Arts, *Guidance Note - When are road vehicles on the RAV considered to be provided to consumers for the first time?* URL: <https://www.infrastructure.gov.au/department/media/publications/guidance-note-when-are-road-vehicles-rav-considered-be-provided-consumers-first-time>, Accessed: 11 Jan. 2023.

— *Guide to concessional RAV entry approvals*, URL: [https://www.infrastructure.gov.au/sites/default/files/documents/guide\\_to\\_concessional\\_rav\\_entry\\_approvals.pdf](https://www.infrastructure.gov.au/sites/default/files/documents/guide_to_concessional_rav_entry_approvals.pdf), Accessed: 30 Apr. 2023.