



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

November 2023

BUREAU OF INFRASTRUCTURE AND TRANSPORT RESEARCH ECONOMICS

Road vehicle entry and recall statistics

November 2023 (First issue)

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

Canberra, Australia

Acknowledgement of Country

The Department of Infrastructure, Transport, Regional Development, Communications and the Arts acknowledges the Traditional Custodians of Country of the land on which we work and live. We recognise and respect the continuing connections to land, waters and communities. We pay our respects to them and their cultures and to their Elders both past and present and to all Aboriginal and Torres Strait Islander people.

© Commonwealth of Australia, 2023

ISBN: 978-1-922879-18-9

December 2023

Cover photograph(s) courtesy of Getty Images - Credit: E4c (Aerial view of parked cars)

Ownership of intellectual property rights in this publication

Unless otherwise noted, copyright (and any other intellectual property rights, if any) in this publication is owned by the Commonwealth of Australia (referred to below as the Commonwealth).

Disclaimer

The material contained in this publication is made available on the understanding that the Commonwealth is not providing professional advice, and that users exercise their own skill and care with respect to its use, and seek independent advice if necessary.

The Commonwealth makes no representations or warranties as to the contents or accuracy of the information contained in this publication. To the extent permitted by law, the Commonwealth disclaims liability to any person or organisation in respect of anything done, or omitted to be done, in reliance upon information contained in this publication.

Creative Commons licence

With the exception of (a) the Coat of Arms, and (b) photos and graphics, copyright in this publication is licensed under a Creative Commons Attribution 4.0 Australia Licence.

Creative Commons Attribution 4.0 Australia Licence is a standard form licence agreement that allows you to copy, communicate and adapt this publication provided that you attribute the work to the Commonwealth and abide by the other licence terms.

The licence terms are available from <http://creativecommons.org/licenses/by/4.0/>. This publication should be attributed in the following way: © Commonwealth of Australia 2023.

Use of the Coat of Arms

The Department of the Prime Minister and Cabinet sets the terms under which the Coat of Arms is used. Please refer to the Department's Commonwealth Coat of Arms and Government branding webpage <http://pmc.gov.au/> and, in particular, the Commonwealth Coat of Arms—Information and Guidelines publication.

An appropriate citation for this report is:

Bureau of Infrastructure and Transport Research Economics (BITRE) 2023, *Road vehicle entry and recall statistics*, November 2023, Statistical Report, BITRE Canberra, ACT.

Contact us

This publication is available in PDF format. All other rights are reserved, including in relation to any Departmental logos or trademarks which may exist. For enquiries regarding the licence and any use of this publication, please contact:

Bureau of Infrastructure and Transport Research Economics
Department of Infrastructure, Transport, Regional Development, Communications and the Arts
GPO Box 501, Canberra ACT 2601, Australia

Telephone +61 2 6274 7210
Fax +61 2 6274 6816
E-mail bitre@infrastructure.gov.au
Internet www.bitre.gov.au

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).

This is the first issue of a new monthly BITRE statistical release intended to provide regular statistics on road vehicles being provided to the Australian market, road vehicle recall notices, and other road vehicle-related regulatory activities governed by the 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.

Shona Rosengren

Head of Bureau
Bureau of Infrastructure and Transport Research Economics
December 2023

Table of Contents

Foreword	iv
Highlights – November 2023	vi
Introduction	1
Register of Approved Vehicles	1
RAV entry statistics	4
RAV entry summary statistics	4
RAV entries by vehicle class	8
RAV entries by vehicle class and make	10
RAV entries by vehicle class, make and model	17
Concessional approval RAV entries	30
Second Stage of Manufacture RAV entries	33
RAV entries of caravans and camper trailers	35
Vehicle recalls	36
Explanatory notes	38
Glossary	41
Abbreviations	45
References	46

Highlights – November 2023

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 November 2023. 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 145,669 road vehicles entered on the RAV in November 2023, 1.2 per cent higher than total entries in October 2023 (i.e. 143,978 vehicles).¹
- There were 142,629 type approved vehicles entered in November 2023, 1.0 per cent higher than total type approved vehicles entries in October 2023 (i.e. 141,168 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 3,040 vehicles in the month of November 2023, 8.2 per cent higher than concessional RAV approval entries in October 2023 (i.e. 2,810 vehicles).

Type approved RAV entries by vehicle category

Motorised type approved RAV entries in the month of November 2023 comprised:

- 80,355 passenger vehicle RAV entries, 4.1 per cent lower than in October 2023
- 31,744 light commercial vehicle (LCV) RAV entries, 8.8 per cent higher than in October 2023
- 4,504 medium goods vehicle RAV entries, 25.8 per cent higher than in October 2023
- 1,974 heavy goods vehicle RAV entries, 15.7 per cent lower than in October 2023
- 451 bus RAV entries, 9.2 per cent higher than in October 2023, and
- 5,548 motorcycle RAV entries, 4.3 per cent lower than in October 2023.

Type approved RAV entries by vehicle make

The top five type vehicle makes entered on the RAV in November 2023, by vehicle type, were:

- Passenger vehicles: Toyota, Hyundai, Mazda, Nissan and Mitsubishi
- Light commercial vehicles: Ford, Toyota, Isuzu, Mitsubishi and Mazda
- Medium goods vehicles: Toyota, Isuzu, Mercedes-Benz, LDV and Ford
- Heavy goods vehicles: Volvo, Kenworth, Isuzu, Hino and DAF
- Buses: Toyota, LDV, Fuso, Volgren and Yutong
- Motorcycles: Yamaha, KTM, Suzuki, Honda and Kawasaki.

Concessional RAV entry approval vehicles

Total concessional RAV entries in the month of November 2023 comprised:

- 1,522 passenger vehicles
- 371 LCVs
- 31 medium goods vehicles
- 4 heavy goods vehicles, and
- 466 trailers.

¹ 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 1,924 specialist and enthusiast vehicles (SEVs) entries on the RAV in November 2023.
- There were 1,000 SEV RAV entries in November 2023 under environmental criterion.

Second stage of manufacture (SSM) RAV entries

- There were 4,737 SSM RAV entries in November 2023, comprising:
 - 3,080 light commercial vehicles
 - 1,239 medium goods vehicles
 - 234 passenger vehicles, and
 - 184 other vehicles.

Type approval RAV entries by trailer category

In the month of November 2023 there were:

- 15,672 type approved light trailer RAV entries
- 623 type approved medium trailer RAV entries, and
- 1,758 type approved heavy trailer RAV entries.

Type approved trailer RAV entries included approximately 4,801 caravans and camper trailers in the month of November 2023.²

Vehicle recall notices

- In November 2023 there were 27 recall notices published on the Department's website, covering approximately 57,948 vehicles.
- As at 30 November 2023 there were 4,887 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 – 3,187 notices (covering 18,795,540 vehicles)
 - Trucks and buses – 780 notices (covering 553,336 vehicles)
 - Motorcycles – 786 notices (covering 488,170 vehicles)
 - Caravans/motorhomes – 68 notices (covering 44,372 vehicles)
 - Trailers – 38 notices (covering 18,777 vehicles)
 - Other vehicles (not elsewhere specified) – 28 notices (covering 154,336 vehicles).

² 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.

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 vehicles³ 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.⁴ 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.

³ Only up to 4 trailers can be included in one concessional RAV entry approval application.

⁴ 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 November 2023.

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
- Trailers⁵

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

⁵ 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, November 2023

Month	Approval category		Total ^a
	Type approval	Concessional approval	
Nov 2023	142,629	3,040	145,669
Oct 2023	141,168	2,810	143,978
Sep 2023	139,476	3,215	142,691
Aug 2023	152,584	3,283	155,867
Jul 2023	140,764	2,542	143,306
Jun 2023	133,421	4,128	137,549
May 2023	137,609	1,617	139,226
Apr 2023	99,846	1,162	101,008
Mar 2023	111,758	1,128	112,886
Feb 2023	92,522	1,136	93,658
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
Jun 2022	98,939	1,454	100,393
May 2022	97,118	1,005	98,123
Apr 2022	84,165	1,136	85,301
Mar 2022	105,047	1,088	106,135
Feb 2022	92,259	1,412	93,671
Jan 2022	93,837	1,409	95,246
Dec 2021	65,316	902	66,218
Nov 2021	25,806	1,010	26,816

a. Total excludes Second Stage of Manufacture vehicles.

Note: 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.

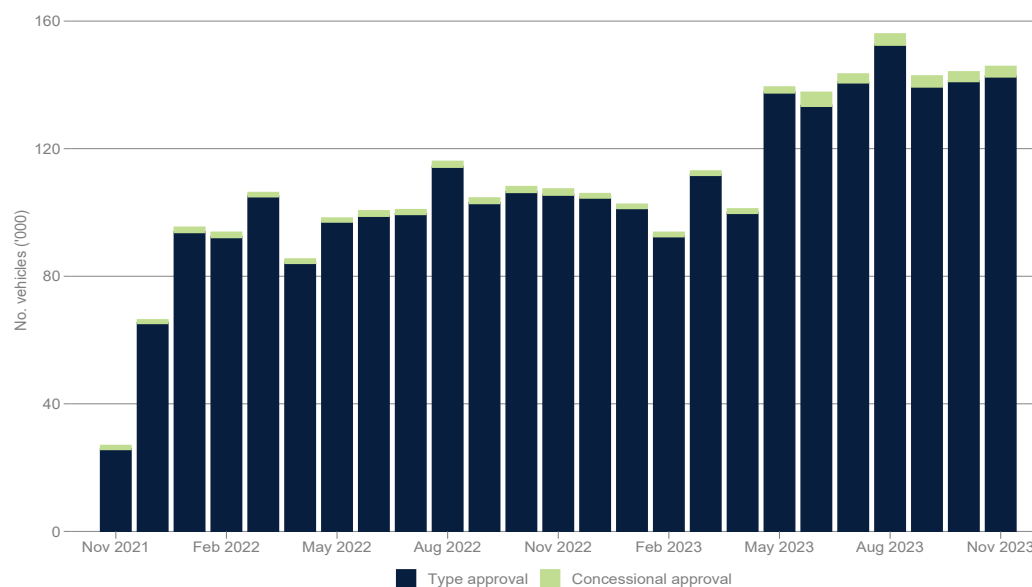
Figure 1 Total RAV entries, by approval category and month, last 25 months

Table 2 Type approved RAV entries, by entry pathway and month, November 2023

Month	Type approvals			Total ^a
	Standard	Non-standard	SSM	
Nov 2023	142,573	56	4,735	142,629
Oct 2023	141,092	76	5,202	141,168
Sep 2023	139,388	88	6,835	139,476
Aug 2023	152,453	131	5,471	152,584
Jul 2023	140,687	77	4,180	140,764
Jun 2023	133,197	224	4,105	133,421
May 2023	137,507	102	4,227	137,609
Apr 2023	99,781	65	3,032	99,846
Mar 2023	111,691	67	4,091	111,758
Feb 2023	92,453	69	2,732	92,522
Jan 2023	101,290	76	2,445	101,366
Dec 2022	104,606	45	2,742	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	3,337	102,931
Aug 2022	114,239	71	2,396	114,310
Jul 2022	99,433	61	2,077	99,494
Jun 2022	98,882	57	2,495	98,939
May 2022	97,054	64	2,354	97,118
Apr 2022	84,125	40	1,510	84,165
Mar 2022	104,987	60	2,186	105,047
Feb 2022	92,219	40	1,870	92,259
Jan 2022	93,810	27	956	93,837
Dec 2021	65,301	15	554	65,316
Nov 2021	25,739	67	198	25,806

a. Total excludes Second Stage of Manufacture vehicles.

Note: 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.

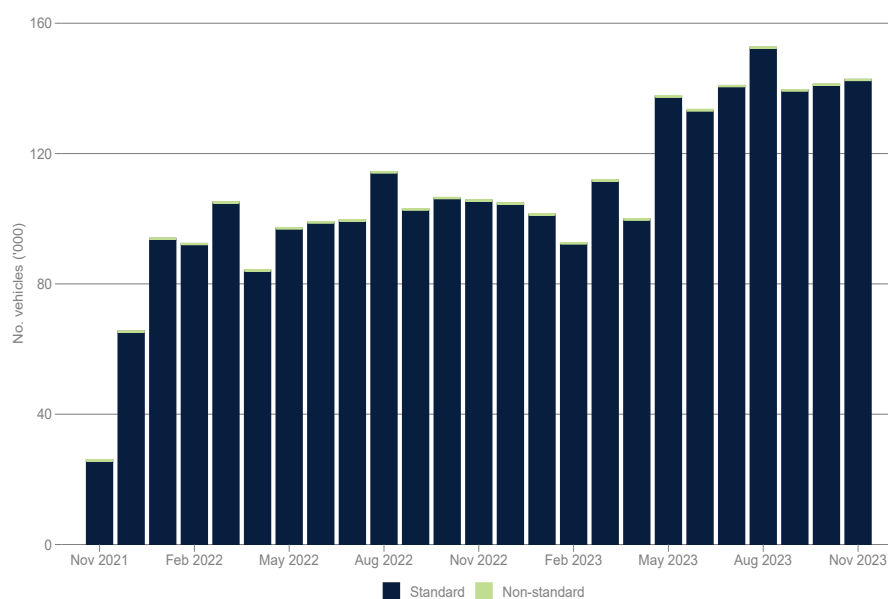
Figure 2 Type approved RAV entries, by approval sub-category and month, last 25 months

Table 3 Concessional RAV entry approval entries, by entry pathway and month, November 2023

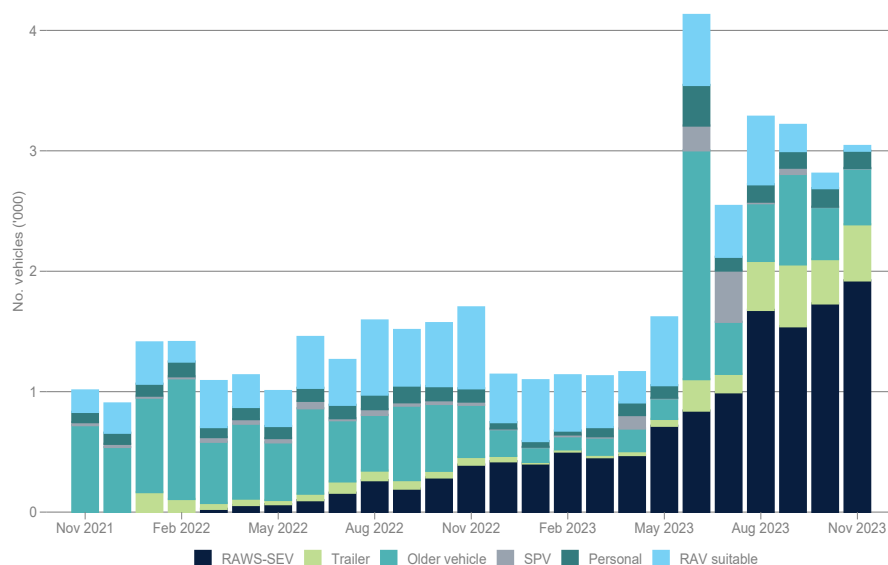
Month	Concessional RAV entry approvals							Total ^a
	RAWS-SEV	RAWS-SSM	Trailer	Older vehicle	SPV	Personal	RAV suitable	
Nov 2023	1,924	2	466	464	4	143	39	3,040
Oct 2023	1,733	5	368	432	3	154	120	2,810
Sep 2023	1,543	0	514	751	52	138	217	3,215
Aug 2023	1,679	1	407	479	13	144	561	3,283
Jul 2023	995	11	153	432	426	114	422	2,542
Jun 2023	843	19	261	1,900	206	337	581	4,128
May 2023	717	19	57	171	5	104	563	1,617
Apr 2023	474	0	32	188	112	105	251	1,162
Mar 2023	456	4	20	143	11	76	422	1,128
Feb 2023	503	3	18	109	15	32	459	1,136
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
Jun 2022	99	0	54	709	62	108	422	1,454
May 2022	66	0	35	478	36	100	290	1,005
Apr 2022	59	0	53	622	38	101	263	1,136
Mar 2022	27	0	49	508	39	83	382	1,088
Feb 2022	0	0	109	1,002	17	122	162	1,412
Jan 2022	0	0	166	784	17	99	343	1,409
Dec 2021	0	0	0	541	26	92	243	902
Nov 2021	0	0	1	721	25	85	178	1,010

a. Total excludes Second Stage of Manufacture vehicles.

b. RAWS: Registered Automotive Workshop Scheme SSM: Second stage of manufacture SEV: Specialist and Enthusiast Vehicle SPV: Special Purpose Vehicle

Note: 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.

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

RAV entries by vehicle class

Table 4 Type approved RAV entries, motor vehicles, by vehicle type and month, November 2023

Month	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Motor-cycles	Total
Nov 2023	80,355	31,744	4,504	1,974	451	5,548	124,576
Oct 2023	83,778	29,181	3,580	2,343	413	5,796	125,091
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	84,307	22,822	4,239	1,828	379	5,125	118,700
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	68,351	17,438	3,216	1,669	442	5,176	96,292
Mar 2023	73,349	20,966	4,285	1,959	359	6,910	107,828
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
Jun 2022	66,777	20,945	2,865	2,095	297	4,651	97,630
May 2022	68,141	17,064	3,350	2,088	366	4,737	95,746
Apr 2022	56,913	18,867	2,798	1,366	357	2,868	83,169
Mar 2022	69,757	22,611	2,967	1,827	338	6,715	104,215
Feb 2022	57,977	23,384	3,067	1,981	392	4,672	91,473
Jan 2022	60,975	25,812	2,036	1,199	400	2,910	93,332
Dec 2021	42,634	18,013	1,059	642	313	2,438	65,099
Nov 2021	17,643	5,355	800	323	46	1,571	25,738

a. Total excludes Second Stage of Manufacture vehicles.

Note: 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.

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

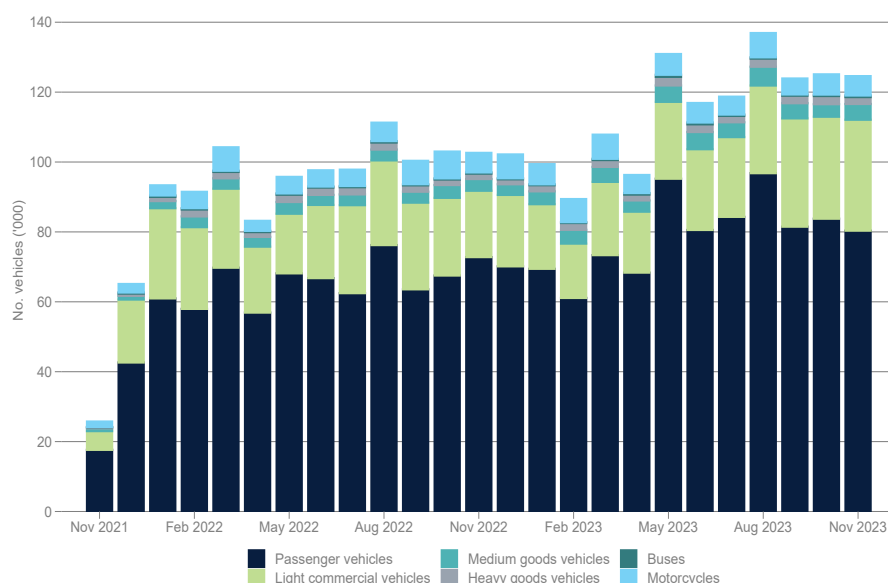
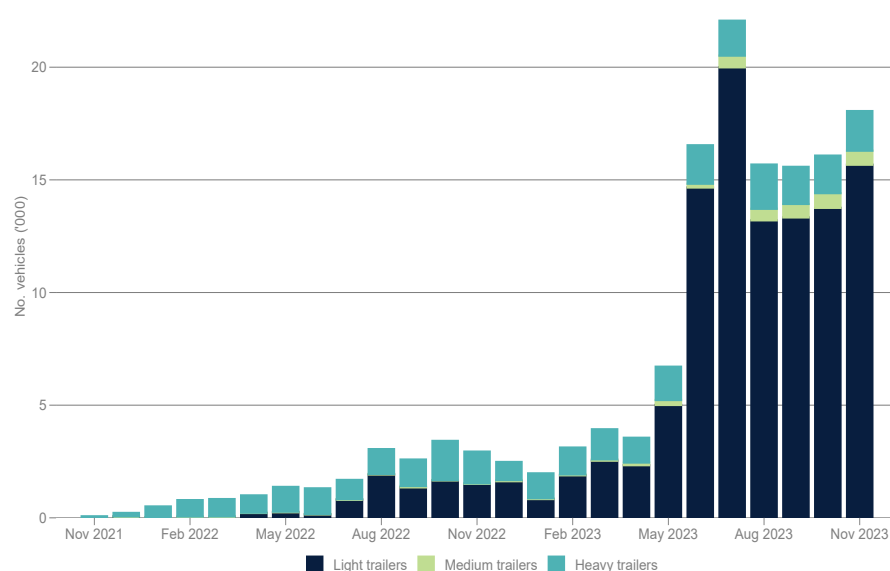


Table 5 Type approved RAV entries, trailers, by vehicle type and month, November 2023

Month	Light trailers	Medium trailers	Heavy trailers	Total
Nov 2023	15,672	623	1,758	18,053
Oct 2023	13,758	653	1,666	16,077
Sep 2023	13,332	599	1,647	15,578
Aug 2023	13,203	513	1,963	15,679
Jul 2023	19,994	520	1,550	22,064
Jun 2023	14,660	169	1,707	16,536
May 2023	5,009	220	1,479	6,708
Apr 2023	2,335	118	1,101	3,554
Mar 2023	2,536	60	1,334	3,930
Feb 2023	1,887	41	1,191	3,119
Jan 2023	833	38	1,103	1,974
Dec 2022	1,625	50	804	2,479
Nov 2022	1,512	18	1,409	2,939
Oct 2022	1,666	11	1,737	3,414
Sep 2022	1,351	61	1,175	2,587
Aug 2022	1,923	26	1,100	3,049
Jul 2022	811	17	854	1,682
Jun 2022	155	15	1,139	1,309
May 2022	247	27	1,098	1,372
Apr 2022	215	13	768	996
Mar 2022	52	12	768	832
Feb 2022	36	23	727	786
Jan 2022	11	4	490	505
Dec 2021	61	4	152	217
Nov 2021	0	0	68	68

Note: 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.

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

RAV entries by vehicle class and make

Table 6 Type approval RAV entries, passenger vehicles, top 30 makes, November 2023

Rank	Make	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
1	Toyota	14,986	13,853	9,504	129,931	140,345
2	Hyundai	6,063	7,306	5,084	70,943	75,613
3	Mazda	6,038	9,603	9,558	81,116	88,245
4	Nissan	5,640	3,982	2,264	38,204	40,553
5	Mitsubishi	5,214	4,457	4,250	45,264	48,737
6	MG	4,864	5,242	6,763	58,170	64,501
7	Kia	4,458	4,959	4,828	69,247	76,192
8	Subaru	3,721	4,278	4,232	44,095	48,530
9	Tesla	3,350	3,516	2,255	44,087	49,538
10	BMW	2,920	3,006	1,345	26,667	27,566
11	Mercedes-Benz	2,753	1,262	2,422	23,075	24,386
12	Haval	2,683	1,499	3,196	22,294	24,390
13	Honda	2,507	1,860	806	14,582	15,721
14	Ford	2,264	1,249	1,407	20,106	21,173
15	Isuzu	1,541	1,181	1,418	13,668	14,881
16	Suzuki	1,499	905	1,931	16,181	17,992
17	Volkswagen	1,484	3,086	3,882	35,449	37,280
18	Chery	1,392	749	0	8,363	8,364
19	BYD	1,002	1,095	800	16,420	16,420
20	Audi	985	2,771	1,789	17,514	19,358
21	Land Rover	919	817	134	8,982	9,220
22	Lexus	908	937	595	15,978	16,598
23	Volvo	830	538	1,041	11,104	12,321
24	Cupra	451	379	324	3,595	3,800
25	Tank	433	1,513	0	2,336	2,350
26	Skoda	420	916	797	7,847	8,714
27	Porsche	398	624	367	6,063	6,448
28	Mahindra	348	450	0	2,406	2,406
29	LDV	316	282	612	4,208	4,815
30	Ssangyong	265	1,092	0	3,333	3,867
31	Other/Not stated	1,459	1,895	1,638	24,729	26,268
Total	-	82,111	85,302	73,242	885,957	956,592

Note: 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.

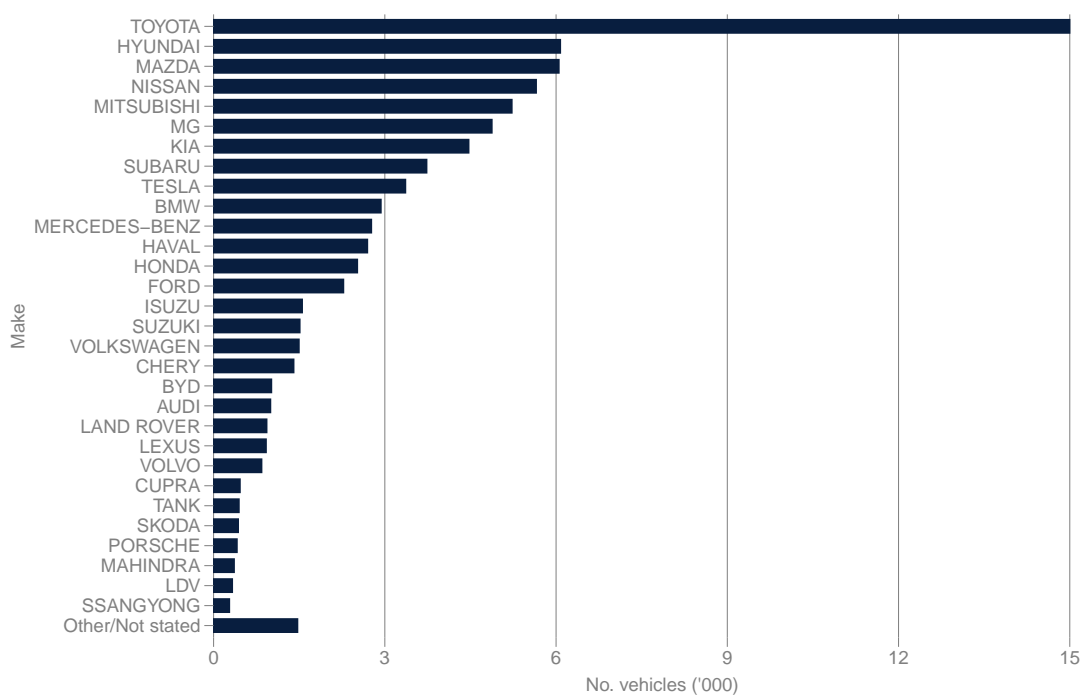
Figure 6 Type approval RAV entries, passenger vehicles, top 30 makes, November 2023

Table 7 Type approval RAV entries, light commercial vehicles, top 20 makes, November 2023

Rank	Make	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
1	Ford	12,248	6,198	4,547	65,003	70,086
2	Toyota	8,990	9,458	7,011	95,302	101,695
3	Isuzu	3,785	4,843	2,217	33,326	36,175
4	Mitsubishi	2,461	3,016	795	19,395	20,343
5	Mazda	1,927	1,948	1,710	20,506	21,863
6	Nissan	1,515	1,913	834	13,643	14,285
7	Volkswagen	1,059	889	113	8,258	8,418
8	LDV	1,020	1,210	1,278	12,114	13,404
9	Great Wall	983	648	1,485	7,701	9,003
10	Chevrolet	315	356	306	2,313	2,558
11	RAM	280	480	811	5,758	6,351
12	Ssangyong	152	1,200	0	3,515	4,569
13	Hyundai	151	235	168	2,381	2,648
14	Renault	112	426	15	1,501	1,551
15	Peugeot	98	193	26	1,095	1,112
16	Daihatsu	33	21	0	121	121
17	Suzuki	24	20	0	117	118
18	Jeep	20	44	170	380	430
19	Mercedes-Benz	11	9	93	735	872
20	Land Rover	6	1	0	7	7
21	Other/Not stated	5	7	0	33	34
Total	-	35,195	33,115	21,579	293,204	315,643

Note: 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.

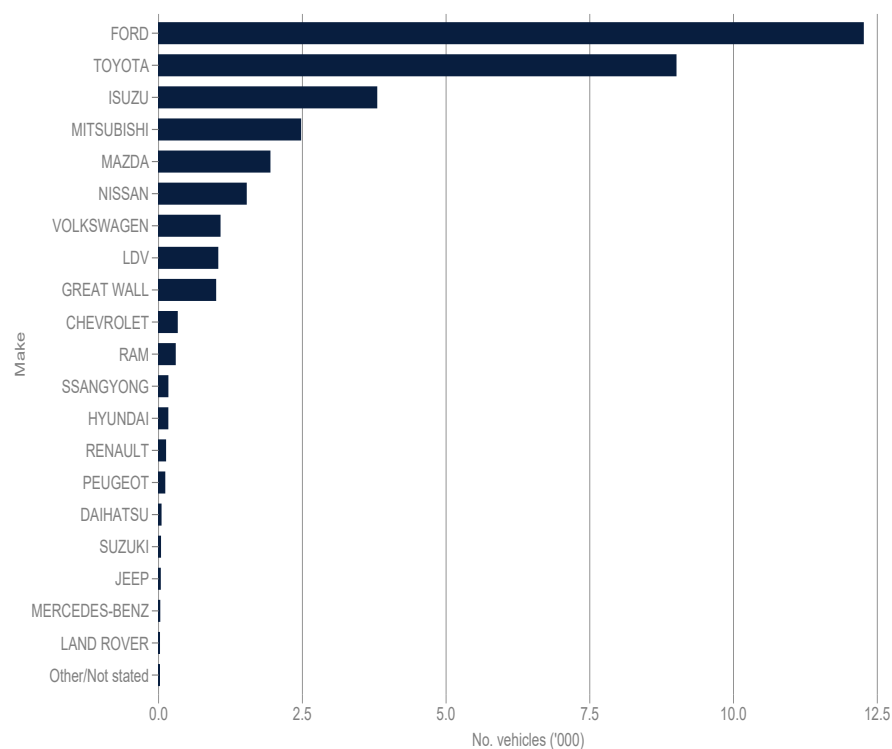
Figure 7 Type approval RAV entries, light commercial vehicles, top 20 makes, November 2023

Table 8 Type approval RAV entries, medium goods vehicles, top 20 makes, November 2023

Rank	Make	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
1	Toyota	2,284	1,367	1,215	16,757	17,758
2	Isuzu	726	810	779	9,415	10,019
3	Mercedes-Benz	429	309	326	4,123	4,722
4	LDV	400	305	248	4,343	4,704
5	Ford	320	230	28	1,884	1,929
6	Fiat	317	274	197	2,855	3,019
7	Hino	269	392	290	4,308	4,484
8	Fuso	182	280	217	3,589	3,754
9	Renault	136	167	127	1,888	2,037
10	IVECO	126	163	350	2,003	2,125
11	Dodge	78	105	33	1,274	1,280
12	Chevrolet	70	104	71	1,262	1,310
13	Volkswagen	65	75	123	1,158	1,211
14	RAM	52	29	33	621	737
15	Mazda	36	32	11	229	243
16	Nissan	34	34	11	279	294
17	Jac	25	0	0	29	29
18	Hyundai	23	25	18	273	289
19	Foton	17	12	2	147	148
20	Myrv	9	0	0	9	9
21	Other/Not stated	176	186	8	887	887
Total	-	5,774	4,899	4,087	57,333	60,988

Note: 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.

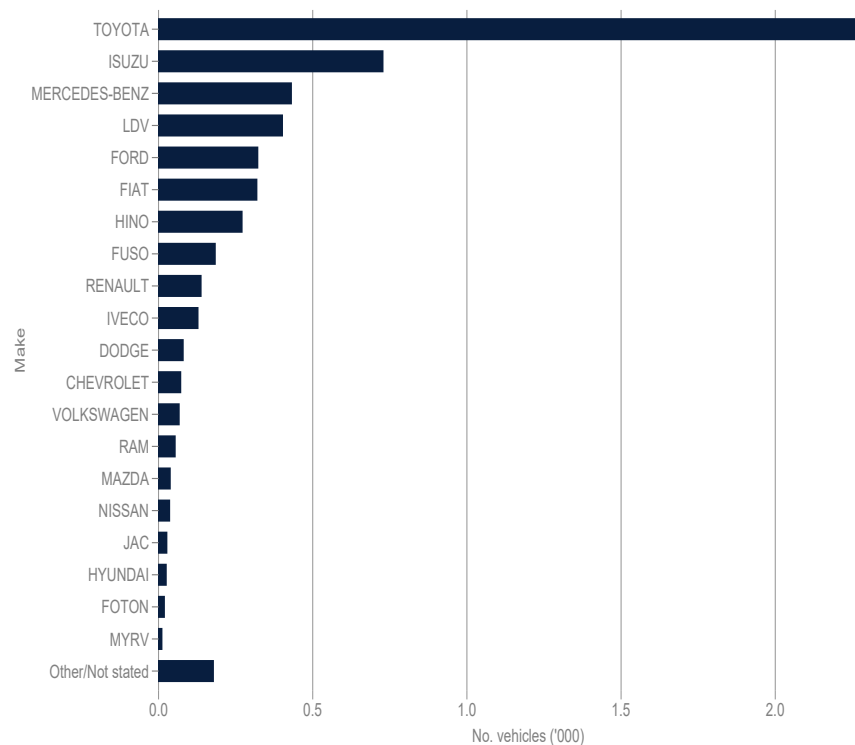
Figure 8 Type approval RAV entries, medium goods vehicles, top 20 makes, November 2023

Table 9 Type approval RAV entries, heavy goods vehicles, top 15 makes, November 2023

Rank	Make	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
1	Volvo	409	329	254	3,830	4,041
2	Kenworth	356	398	286	3,909	4,367
3	Isuzu	287	393	336	4,229	4,486
4	Hino	197	173	156	2,069	2,170
5	DAF	129	74	89	1,156	1,186
6	Mack	122	99	113	1,052	1,137
7	Scania	122	186	32	1,303	1,384
8	Mercedes-Benz	120	188	41	1,227	1,272
9	UD	98	202	130	1,111	1,166
10	Fuso	96	205	29	1,198	1,234
11	MAN	65	65	40	527	560
12	IVECO	38	81	11	487	522
13	Freightliner	26	37	19	368	378
14	Western Star	26	37	0	158	158
15	Sinotruk	24	0	0	382	382
16	Other/Not stated	18	18	26	980	1,019
Total	-	2,133	2,485	1,562	23,986	25,462

Note: 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.

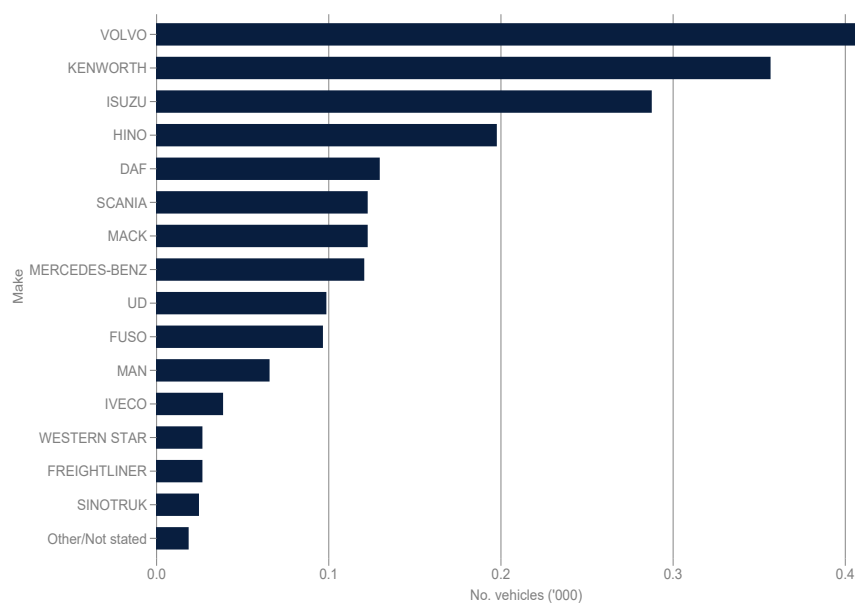
Figure 9 Type approval RAV entries, heavy goods vehicles, top 15 makes, November 2023

Table 10 Type approval RAV entries, light and heavy buses, top 20 makes, November 2023

Rank	Make	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
1	Toyota	221	230	243	2,739	2,892
2	LDV	86	38	10	269	313
3	Fuso	35	27	22	248	269
4	Volgren	31	35	33	363	391
5	Yutong	27	19	11	218	228
6	Irizar	23	10	8	168	179
7	King Long	10	20	12	82	92
8	Custom Bus	9	10	4	107	115
9	Isuzu	8	7	1	66	71
10	BCI	6	8	5	105	110
11	Mercedes-Benz	6	2	2	60	62
12	BYD	5	0	0	5	5
13	Express Coach Builders	3	4	7	32	34
14	Norden	3	0	1	20	21
15	Scania	3	6	0	29	34
16	Coach Concepts	1	2	1	19	20
17	Foton	1	0	0	2	2
18	Ankai	0	0	0	2	2
19	ARCC	0	2	0	2	4
20	BMW	0	0	0	0	0
21	Other/Not stated	2	16	9	147	155
Total	-	480	436	369	4,683	4,999

Note: 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.

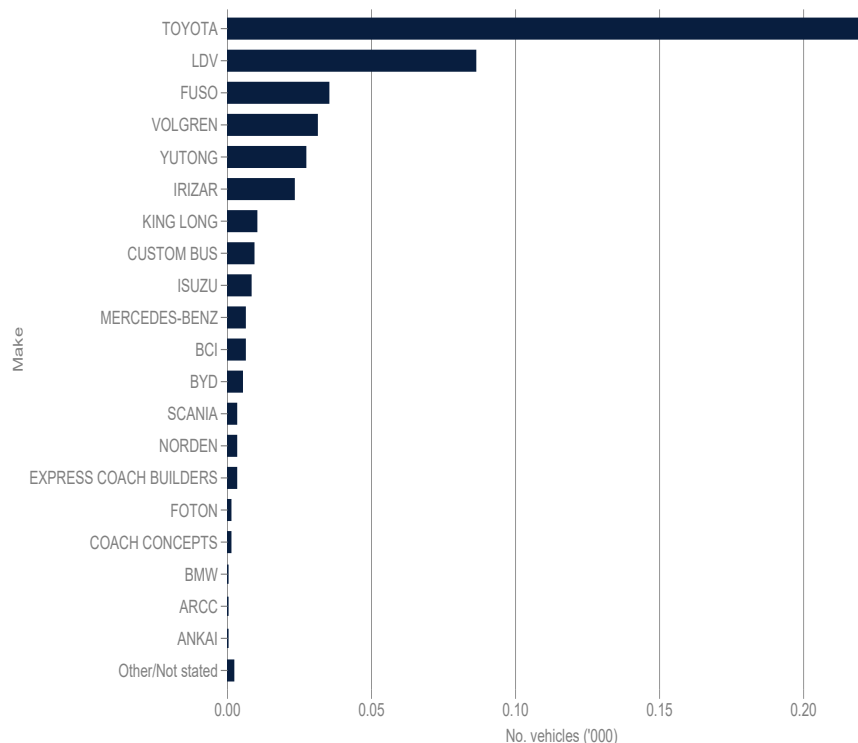
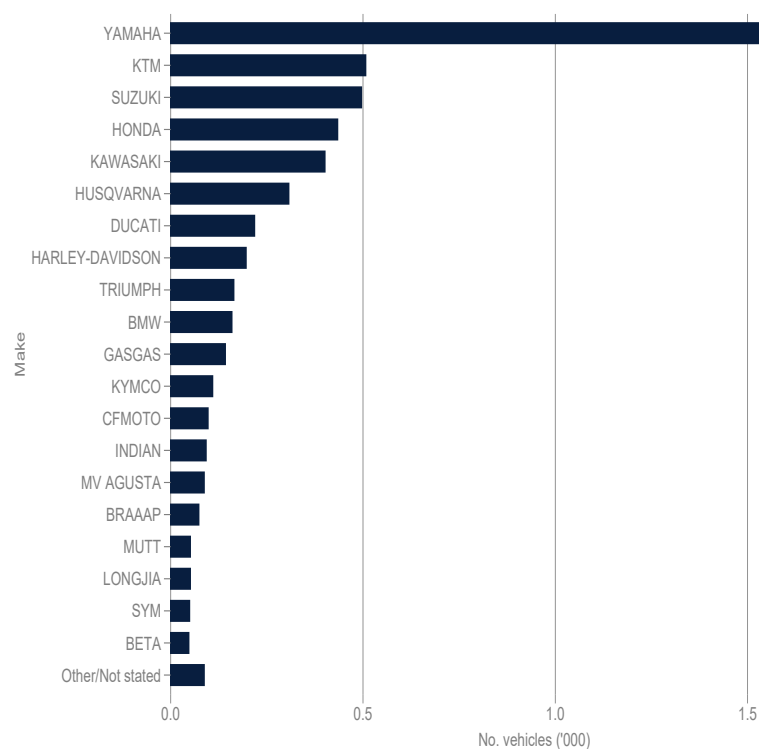
Figure 10 Type approval RAV entries, all buses, top 20 makes, November 2023

Table 11 Type approval RAV entries, motorcycles, top 20 makes, November 2023

Rank	Make	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
1	Yamaha	1,801	920	612	9,862	11,073
2	KTM	506	1,049	726	7,465	8,347
3	Suzuki	495	233	231	3,260	3,541
4	Honda	433	1,093	571	9,869	10,267
5	Kawasaki	400	306	570	4,937	6,001
6	Husqvarna	306	426	221	2,691	3,229
7	Ducati	217	126	276	1,915	2,404
8	Harley-Davidson	195	199	446	5,319	5,675
9	Triumph	163	105	446	1,717	1,892
10	BMW	158	230	165	3,078	3,185
11	GASGAS	141	0	50	612	658
12	Kymco	108	256	108	2,053	2,099
13	CFMoto	96	289	12	1,743	1,943
14	Indian	91	108	351	1,612	1,722
15	MV Agusta	86	0	0	93	93
16	Braap	72	0	24	389	539
17	Longjia	50	0	0	150	225
18	Mutt	50	0	0	51	51
19	Sym	48	48	32	468	468
20	Beta	46	80	89	711	796
21	Other/Not stated	86	328	670	6,002	6,615
Total	-	5,548	5,796	5,600	63,997	70,823

Note: 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.

Figure 11 Type approval RAV entries, motorcycles, top 20 makes, November 2023

RAV entries by vehicle class, make and model

Table 12 Type approval RAV entries, passenger vehicles, top 25 makes and models, November 2023

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Toyota	LANDCRUISER PRADO	3,579	2,905	616	20,260	21,693
	COROLLA	3,228	2,648	2,646	26,610	29,031
	RAV4	2,377	2,311	1,179	27,412	29,861
	CAMRY	1,292	1,023	369	9,591	10,014
	LANDCRUISER	1,131	1,473	1,331	12,634	14,119
	YARIS	1,025	1,086	1,022	7,794	8,646
	Other/Not stated	2,354	2,407	2,341	25,630	26,981
	Total	14,986	13,853	9,504	129,931	140,345
Hyundai	TUCSON	2,217	1,747	1,944	21,478	22,913
	I30	1,150	1,739	1,046	19,607	21,023
	VENUE	584	521	57	5,875	6,127
	PALISADE	393	896	247	3,957	4,235
	Other/Not stated	1,719	2,403	1,790	20,026	21,315
	Total	6,063	7,306	5,084	70,943	75,613
Mazda	CX-30	1,658	1,054	1,238	14,191	14,561
	CX-3	1,647	1,636	2,862	13,769	15,896
	MAZDA 3	966	909	1,701	8,681	9,300
	CX-8	402	855	658	5,990	6,811
	Other/Not stated	1,365	5,149	3,099	38,485	41,677
	Total	6,038	9,603	9,558	81,116	88,245
Nissan	X-TRAIL	2,879	1,540	956	15,186	16,481
	PATROL	1,481	959	473	8,428	9,077
	QASHQAI	430	702	560	8,320	8,493
	JUKE	401	502	0	2,044	2,044
	Other/Not stated	449	279	275	4,226	4,458
	Total	5,640	3,982	2,264	38,204	40,553
Mitsubishi	OUTLANDER	2,623	1,948	2,275	23,529	25,242
	PAJERO	1,113	1,377	940	5,479	6,057
	ASX	745	703	750	8,604	9,301
	ECLIPSE	699	404	270	7,460	7,933
	Other/Not stated	34	25	15	192	204
	Total	5,214	4,457	4,250	45,264	48,737
MG	ZS	1,458	2,115	4,006	30,525	33,262
	MG4	1,137	817	0	4,144	4,144
	MG3	836	1,430	1,455	14,311	16,754
	HS Vibe	704	433	1,302	6,825	7,976
	Other/Not stated	729	447	0	2,365	2,365
	Total	4,864	5,242	6,763	58,170	64,501
Kia	SPORTAGE	1,322	1,537	1,524	14,006	15,794
	SELTOS	858	683	271	10,045	10,517
	CERATO	563	710	133	5,338	5,745
	CARNIVAL	434	390	449	9,822	11,204
	YB	378	444	503	10,047	10,562
	PICANTO	361	521	308	7,418	7,900
	Other/Not stated	542	674	1,640	12,571	14,470
	Total	4,458	4,959	4,828	69,247	76,192
Subaru	FORESTER	1,341	1,813	1,570	15,232	17,110
	CROSSTREK	1,064	972	0	8,838	8,838
	OUTBACK	1,039	1,193	953	12,759	13,561
	Other/Not stated	277	300	1,709	7,266	9,021
	Total	3,721	4,278	4,232	44,095	48,530
Tesla	MODEL Y	3,290	3,516	1,077	30,884	31,308
	Other/Not stated	60	0	1,178	13,203	18,230
	Total	3,350	3,516	2,255	44,087	49,538

(continued)

Table 12 Type approval RAV entries, passenger vehicles, top 25 makes and models, November 2023 (continued)

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
BMW	X SERIES	1,226	948	703	11,042	11,524
	X1	647	978	56	5,153	5,242
	4 SERIES	333	202	13	2,141	2,227
	3 SERIES	251	366	330	3,178	3,261
	2 SERIES	232	222	162	2,320	2,373
	Other/Not stated	231	290	81	2,833	2,939
	Total	2,920	3,006	1,345	26,667	27,566
Mercedes-Benz	X254	811	96	0	2,285	2,285
	V167	807	41	580	3,104	3,294
	H243	209	142	22	1,230	1,239
	Other/Not stated	926	983	1,820	16,456	17,568
	Total	2,753	1,262	2,422	23,075	24,386
Haval	H6	1,613	863	1,635	12,123	13,084
	JOLION	1,070	636	1,561	10,171	11,306
	Total	2,683	1,499	3,196	22,294	24,390
Honda	CIVIC	191	334	84	1,342	1,380
	HR-V	179	273	25	1,758	2,000
	Other/Not stated	2,137	1,253	697	11,482	12,341
	Total	2,507	1,860	806	14,582	15,721
Ford	EVEREST	2,049	899	1,023	14,172	15,095
	Other/Not stated	215	350	384	5,934	6,078
	Total	2,264	1,249	1,407	20,106	21,173
Isuzu	MU-X	1,541	1,181	1,418	13,668	14,881
	Total	1,541	1,181	1,418	13,668	14,881
Suzuki	SWIFT	715	393	432	6,905	7,581
	VITARA	313	208	547	1,737	1,856
	JIMNY	263	99	581	4,813	5,254
	IGNIS	123	146	183	1,962	2,480
	Other/Not stated	85	59	188	764	821
	Total	1,499	905	1,931	16,181	17,992
Volkswagen	TIGUAN	519	933	2,022	12,445	13,281
	T-ROC	441	960	278	9,837	9,887
	POLO	223	294	1	1,213	1,222
	MULTIVAN	109	87	11	969	1,023
	T-CROSS	108	475	566	5,681	5,902
	Other/Not stated	84	337	1,004	5,304	5,965
	Total	1,484	3,086	3,882	35,449	37,280
Chery	T34	585	0	0	6,807	6,808
	Other/Not stated	807	749	0	1,556	1,556
	Total	1,392	749	0	8,363	8,364
BYD	ATTO3	301	301	800	14,713	14,713
	Other/Not stated	701	794	0	1,707	1,707
	Total	1,002	1,095	800	16,420	16,420
Audi	Q3	209	789	640	3,948	4,612
	RS3	206	577	196	3,111	3,449
	Q5	202	302	469	3,751	4,054
	E-TRON	85	64	15	594	645
	Q7	78	337	279	1,768	1,989
	Q2	74	357	28	1,494	1,550
	Other/Not stated	131	345	162	2,848	3,059
	Total	985	2,771	1,789	17,514	19,358
Land Rover	RANGE ROVER	462	367	31	4,079	4,238
	DEFENDER	349	353	83	4,150	4,220
	DISCOVERY	108	97	20	753	762
	Total	919	817	134	8,982	9,220

(continued)

Table 12 Type approval RAV entries, passenger vehicles, top 25 makes and models, November 2023 (continued)

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Lexus	NX AZ2	396	414	435	7,215	7,586
	UX ZA1	151	113	66	2,233	2,307
	ES XZ1L	142	108	51	1,743	1,842
	RX AL3	91	133	0	2,810	2,857
	Other/Not stated	128	169	43	1,977	2,006
	Total	908	937	595	15,978	16,598
Volvo	X SERIES	598	390	587	6,897	7,704
	U SERIES	116	63	440	2,339	2,670
	XC90	74	65	10	1,445	1,514
	Z SERIES	42	20	4	423	433
	Total	830	538	1,041	11,104	12,321
Cupra	FORMENTOR	352	205	176	1,958	2,106
	BORN	56	104	0	942	943
	LEON	31	42	76	380	423
	Other/Not stated	12	28	72	315	328
	Total	451	379	324	3,595	3,800
Tank	300	433	1,513	0	2,336	2,350
	Total	433	1,513	0	2,336	2,350
All other makes	Total	3,206	5,259	3,414	48,586	52,518
Total	Total	82,111	85,302	73,242	885,957	956,592

Note: 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 13 Type approval RAV entries, light commercial vehicles, top 20 makes and models, November 2023

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Ford	RANGER	11,241	5,980	4,514	61,557	66,203
	F150	697	8	0	728	728
	Other/Not stated	310	210	33	2,718	3,155
	Total	12,248	6,198	4,547	65,003	70,086
Toyota	HILUX	7,965	8,426	6,320	87,335	93,073
	HIACE	1,021	1,027	691	7,941	8,595
	Other/Not stated	4	5	0	26	27
	Total	8,990	9,458	7,011	95,302	101,695
Isuzu	D-MAX	3,782	4,841	2,217	33,316	36,165
	Other/Not stated	3	2	0	10	10
	Total	3,785	4,843	2,217	33,326	36,175
Mitsubishi	TRITON	2,457	2,950	795	19,007	19,955
	Other/Not stated	4	66	0	388	388
	Total	2,461	3,016	795	19,395	20,343
Mazda	BT-50	1,927	1,948	1,710	20,490	21,847
	Other/Not stated	0	0	0	16	16
	Total	1,927	1,948	1,710	20,506	21,863
Nissan	NAVARA	1,509	1,907	834	13,629	14,271
	Other/Not stated	6	6	0	14	14
	Total	1,515	1,913	834	13,643	14,285
Volkswagen	TRANSPORTER	88	119	82	1,004	1,140
	Other/Not stated	971	770	31	7,254	7,278
	Total	1,059	889	113	8,258	8,418
LDV	T60	781	755	850	7,780	8,636
	G10	236	446	366	3,833	4,253
	Other/Not stated	3	9	62	501	515
	Total	1,020	1,210	1,278	12,114	13,404
Great Wall	CANNON	983	648	1,485	7,701	9,003
	Total	983	648	1,485	7,701	9,003
Chevrolet	T1XCF_G	315	356	306	2,313	2,558
	Other/Not stated	0	0	0	0	0
	Total	315	356	306	2,313	2,558
RAM	DT	278	300	512	3,330	3,686
	Other/Not stated	2	180	299	2,428	2,665
	Total	280	480	811	5,758	6,351
Ssangyong	MUSSO	152	1,200	0	3,515	4,569
	Total	152	1,200	0	3,515	4,569
Hyundai	STARIA	151	235	168	2,381	2,648
	Total	151	235	168	2,381	2,648
Renault	TRAFIC	111	426	15	1,493	1,543
	Other/Not stated	1	0	0	8	8
	Total	112	426	15	1,501	1,551
Peugeot	PARTNER	72	132	13	659	659
	EXPERT	26	61	7	378	395
	Other/Not stated	0	0	6	58	58
	Total	98	193	26	1,095	1,112
Daihatsu	HIJET	33	21	0	121	121
	Total	33	21	0	121	121
Suzuki	Other/Not stated	24	20	0	117	118
	Total	24	20	0	117	118
Jeep	GLADIATOR	20	44	170	380	430
	Total	20	44	170	380	430

(continued)

Table 13 Type approval RAV entries, light commercial vehicles, top 20 makes and models, November 2023 (continued)

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Mercedes-Benz	SPRINTER	9	0	0	11	11
	VITO	1	9	93	686	823
	Other/Not stated	1	0	0	38	38
	Total	11	9	93	735	872
Land Rover	DEFENDER	6	1	0	7	7
	Total	6	1	0	7	7
All other makes	Total	5	7	0	33	34
Total	Total	35,195	33,115	21,579	293,204	315,643

Note: 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 14 Type approval RAV entries, medium goods vehicles, top 20 makes and models, November 2023

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Toyota	LANDCRUISER	1,791	800	1,159	13,452	14,401
	Other/Not stated	493	567	56	3,305	3,357
	Total	2,284	1,367	1,215	16,757	17,758
Isuzu	NPR	258	267	299	3,341	3,541
	NLR	100	212	136	1,577	1,691
	NNR	86	77	121	1,543	1,677
	NQR	81	69	44	749	772
	FRR	66	81	86	1,174	1,234
	D-MAX	39	29	39	409	448
	Other/Not stated	96	75	54	622	656
	Total	726	810	779	9,415	10,019
Mercedes-Benz	SPRINTER	417	296	326	3,977	4,576
	Other/Not stated	12	13	0	146	146
	Total	429	309	326	4,123	4,722
LDV	DELIVER 9	399	303	248	4,340	4,701
	Other/Not stated	1	2	0	3	3
	Total	400	305	248	4,343	4,704
Ford	TRANSIT	146	58	0	566	568
	RANGER	91	119	27	1,085	1,128
	Other/Not stated	83	53	1	233	233
	Total	320	230	28	1,884	1,929
Fiat	DUCATO	302	263	197	2,553	2,717
	Other/Not stated	15	11	0	302	302
	Total	317	274	197	2,855	3,019
Hino	300	224	322	290	3,463	3,639
	FD SERIES	23	31	0	426	426
	FC SERIES	18	32	0	352	352
	Other/Not stated	4	7	0	67	67
	Total	269	392	290	4,308	4,484
Fuso	CANTER	115	212	207	2,927	3,072
	FIGHTER	58	39	10	541	561
	Other/Not stated	9	29	0	121	121
	Total	182	280	217	3,589	3,754
Renault	MASTER	136	167	127	1,888	2,037
	Total	136	167	127	1,888	2,037
IVECO	DAILY	96	109	296	1,794	1,914
	Other/Not stated	30	54	54	209	211
	Total	126	163	350	2,003	2,125
Dodge	RAM D1	69	92	32	1,159	1,163
	RAM DX	9	8	1	107	107
	Other/Not stated	0	5	0	8	10
	Total	78	105	33	1,274	1,280
Chevrolet	T1XCH1	53	66	53	861	895
	T1XCH2	10	27	18	350	364
	Other/Not stated	7	11	0	51	51
	Total	70	104	71	1,262	1,310
Volkswagen	CRAFTER	63	69	123	1,139	1,191
	Other/Not stated	2	6	0	19	20
	Total	65	75	123	1,158	1,211
RAM	1500 TRX	34	12	17	400	485
	1500	4	10	11	117	134
	RAM 1500	3	3	5	29	35
	Other/Not stated	11	4	0	75	83
	Total	52	29	33	621	737

(continued)

Table 14 Type approval RAV entries, medium goods vehicles, top 20 makes and models, November 2023 (continued)

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Mazda	BT-50	14	9	11	164	178
	Other/Not stated	22	23	0	65	65
	Total	36	32	11	229	243
Nissan	PATROL	34	34	11	279	294
	Total	34	34	11	279	294
Jac	Other/Not stated	25	0	0	29	29
	Total	25	0	0	29	29
Hyundai	QT-1	8	8	8	106	112
	QT-2	7	11	7	89	95
	QT-3	3	5	3	66	70
	Other/Not stated	5	1	0	12	12
	Total	23	25	18	273	289
Foton	AUMARK	11	5	0	44	45
	IBLUE	6	3	2	71	71
	Other/Not stated	0	4	0	32	32
	Total	17	12	2	147	148
Myrv	DUCATO	9	0	0	9	9
	Total	9	0	0	9	9
All other makes	Total	176	186	8	887	887
Total	Total	5,774	4,899	4,087	57,333	60,988

Note: 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 15 Type approval RAV entries, heavy goods vehicles, top 20 makes and models, November 2023

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Volvo	FH SERIES	146	157	106	1,852	1,940
	FM SERIES	142	103	132	1,276	1,366
	FE SERIES	32	30	16	427	456
	Other/Not stated	89	39	0	275	279
	Total	409	329	254	3,830	4,041
Kenworth	T610	96	102	76	873	973
	K200	57	72	61	903	988
	T909	55	70	43	615	698
	W900	31	33	23	309	348
	T659	30	31	22	323	370
	K220	23	15	1	119	123
	T360	22	18	29	283	323
	Other/Not stated	42	57	31	484	544
	Total	356	398	286	3,909	4,367
Isuzu	FSR	78	67	77	1,038	1,118
	FVZ	69	76	59	755	809
	FVM	40	48	27	505	521
	FXZ	28	56	30	428	447
	FYH	25	84	64	725	774
	FVR	20	32	39	339	358
	Other/Not stated	27	30	40	439	459
	Total	287	393	336	4,229	4,486
Hino	FE SERIES	69	67	0	709	712
	FG SERIES	30	15	41	211	223
	GH SERIES	20	15	22	259	276
	FM SERIES	19	6	42	271	292
	FL SERIES	18	8	8	165	170
	GT SERIES	12	14	8	133	137
	FS SERIES	12	18	19	120	133
	Other/Not stated	17	30	16	201	227
	Total	197	173	156	2,069	2,170
DAF	CF17	114	59	69	889	904
	XF17	8	1	20	188	203
	Other/Not stated	7	14	0	79	79
	Total	129	74	89	1,156	1,186
Scania	R SERIES	53	78	17	504	527
	G SERIES	49	62	11	470	489
	P SERIES	20	42	4	316	345
	Other/Not stated	0	4	0	13	23
	Total	122	186	32	1,303	1,384
Mack	SUPERLINER	43	40	40	346	385
	ANTHEM	40	18	21	250	264
	TRIDENT	22	18	10	252	271
	METROLINER	10	19	42	190	203
	Other/Not stated	7	4	0	14	14
	Total	122	99	113	1,052	1,137
Mercedes-Benz	96X	102	167	38	1,097	1,137
	ECONIC	8	3	1	73	75
	Other/Not stated	10	18	2	57	60
	Total	120	188	41	1,227	1,272
UD	GWB	29	115	38	433	451
	CGB	23	21	22	248	260
	PK	9	13	32	114	120
	CWB	8	28	24	157	171
	CDB	6	10	8	86	89
	Other/Not stated	23	15	6	73	75
	Total	98	202	130	1,111	1,166

(continued)

Table 15 Type approval RAV entries, heavy goods vehicles, top 20 makes and models, November 2023 (continued)

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Fuso	FV SERIES	43	120	16	621	642
	FIGHTER	43	61	11	470	482
	FS SERIES	10	23	2	102	105
	Other/Not stated	0	1	0	5	5
	Total	96	205	29	1,198	1,234
MAN	TGA	42	50	40	403	436
	TGM	20	14	0	118	118
	Other/Not stated	3	1	0	6	6
	Total	65	65	40	527	560
IVECO	S-WAY	23	32	0	215	215
	EUROCARGO	7	20	5	116	127
	Other/Not stated	8	29	6	156	180
	Total	38	81	11	487	522
Western Star	X-SERIES	22	34	0	151	151
	Other/Not stated	4	3	0	7	7
	Total	26	37	0	158	158
Freightliner	CASCADIA	26	32	19	361	371
	Other/Not stated	0	5	0	7	7
	Total	26	37	19	368	378
Sinotruk	T5G	20	0	0	237	237
	C7H	4	0	0	143	143
	Other/Not stated	0	0	0	2	2
	Total	24	0	0	382	382
All other makes	Total	18	18	26	980	1,019
Total	Total	2,133	2,485	1,562	23,986	25,462

Note: 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 16 Type approval RAV entries, light and heavy buses, top 20 makes and models, November 2023

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Toyota	COMMUTER	204	208	205	2,408	2,537
	COASTER	17	22	38	331	355
	Total	221	230	243	2,739	2,892
LDV	DELIVER 9	86	38	10	269	313
	Total	86	38	10	269	313
Fuso	ROSA	35	27	22	248	269
	Total	35	27	22	248	269
Volgren	2 AXLE OMNIBUS	29	34	33	352	379
	ARTICULATED OMNIBUS	2	1	0	11	12
	Total	31	35	33	363	391
Yutong	ZK6772D	11	6	6	99	106
	ZK6137	8	2	0	15	15
	ZK6129HCA	6	8	4	50	51
	ZK6938H	2	3	1	29	31
	Other/Not stated	0	0	0	25	25
	Total	27	19	11	218	228
Irizar	COACH	23	10	8	168	179
	Total	23	10	8	168	179
King Long	6120BS	6	12	2	39	43
	6911AY	3	8	10	41	47
	Other/Not stated	1	0	0	2	2
	Total	10	20	12	82	92
Custom Bus	METRO	4	5	4	45	46
	ELEMENT	4	5	0	50	55
	PHOENIX	1	0	0	12	14
	Total	9	10	4	107	115
Isuzu	NQR	4	0	0	25	25
	NPS	4	6	1	27	30
	Other/Not stated	0	1	0	14	16
	Total	8	7	1	66	71
Mercedes-Benz	SPRINTER	6	2	0	54	56
	Other/Not stated	0	0	2	6	6
	Total	6	2	2	60	62
BCI	PK6127A	5	8	1	63	67
	PK6930A	1	0	0	5	6
	Other/Not stated	0	0	4	37	37
	Total	6	8	5	105	110
BYD	Other/Not stated	5	0	0	5	5
	Total	5	0	0	5	5
Norden	COMMUTER	3	0	1	20	21
	Total	3	0	1	20	21
Express Coach Builders	OMNIBUS	3	4	7	32	34
	Total	3	4	7	32	34
Scania	TOURING	2	6	0	26	26
	A30	1	0	0	3	8
	Total	3	6	0	29	34
Foton	BJ6129	1	0	0	2	2
	Total	1	0	0	2	2
Coach Concepts	EXPLORER	1	2	1	19	20
	Total	1	2	1	19	20
Coach Design	COLT	0	1	1	17	20
	Total	0	1	1	17	20
Hess	BGGT-N2D	0	0	0	0	0
	Total	0	0	0	0	0

(continued)

**Table 16 Type approval RAV entries, light and heavy buses, top 20 makes and models, November 2023
(continued)**

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Volkswagen	CRAFTER	0	0	0	1	1
	Total	0	0	0	1	1
All other makes	Total	2	17	8	133	140
Total	Total	480	436	369	4,683	4,999

Note: 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 17 Type approval RAV entries, motorcycles, top 20 makes and models, November 2023

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Yamaha	YZF	226	77	33	1,217	1,305
	WR SERIES	224	77	244	1,279	1,377
	SEH2	186	32	0	474	474
	MTN660	181	92	27	906	991
	YZF320	170	40	154	706	810
	XTZ690	164	225	8	1,071	1,305
	GPD150	156	0	10	328	380
	MTN890	148	120	5	670	886
	Other/Not stated	346	257	131	3,211	3,545
	Total	1,801	920	612	9,862	11,073
KTM	2T-EXC	300	331	106	1,385	1,594
	ADVENTURE	127	104	170	2,137	2,183
	4T-EXC	79	494	251	1,861	2,455
	Other/Not stated	0	120	199	2,082	2,115
	Total	506	1,049	726	7,465	8,347
Suzuki	UK110	184	46	42	950	1,028
	GSX1300	55	15	11	141	155
	DR-Z400	41	37	54	500	570
	DS250	30	0	1	270	270
	GSX-S1000	26	22	48	266	282
	Other/Not stated	159	113	75	1,133	1,236
	Total	495	233	231	3,260	3,541
Honda	CRF300	126	130	60	1,395	1,395
	NSC110	96	192	0	1,920	1,920
	CRF1100	72	126	53	359	361
	CBF125	48	96	336	1,008	1,104
	Other/Not stated	91	549	122	5,187	5,487
	Total	433	1,093	571	9,869	10,267
Kawasaki	EX650	85	20	52	216	459
	EN650	76	16	95	780	972
	ZR900	48	65	78	441	481
	KLX250	38	0	6	132	152
	KLX150	38	24	38	281	297
	KLX230	33	5	127	358	379
	ZX1000	31	1	25	191	230
	KL650	30	61	32	443	467
	Other/Not stated	21	114	117	2,095	2,564
	Total	400	306	570	4,937	6,001
Husqvarna	FE	206	277	99	824	1,176
	PILEN SERIES	74	0	0	563	563
	Other/Not stated	26	149	122	1,304	1,490
	Total	306	426	221	2,691	3,229
Ducati	PANIGALE	56	0	23	314	367
	1X	32	28	30	223	261
	3D	31	0	53	177	293
	Other/Not stated	98	98	170	1,201	1,483
	Total	217	126	276	1,915	2,404
Harley-Davidson	CRU SERIES	127	126	300	3,995	4,106
	FLH SERIES	50	62	102	962	1,135
	TRI SERIES	10	11	11	106	112
	Other/Not stated	8	0	33	256	322
	Total	195	199	446	5,319	5,675
Triumph	L SERIES	26	28	157	410	478
	H801	14	20	0	315	315
	DX SERIES	13	16	60	148	168
	Other/Not stated	110	41	229	844	931
	Total	163	105	446	1,717	1,892

(continued)

Table 17 Type approval RAV entries, motorcycles, top 20 makes and models, November 2023 (continued)

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
BMW	G310	45	38	23	274	278
	K50	33	57	67	1,054	1,104
	S1000	30	23	24	669	696
	K8X	22	54	18	424	441
	C400	10	18	16	151	152
	Other/Not stated	18	40	17	506	514
	Total	158	230	165	3,078	3,185
GASGAS	EC SERIES	141	0	50	415	417
	Other/Not stated	0	0	0	197	241
	Total	141	0	50	612	658
Kymco	CK50QT-5	64	0	30	306	306
	LIKE SERIES	30	126	0	712	728
	KG10AA	14	0	24	96	96
	Other/Not stated	0	130	54	939	969
	Total	108	256	108	2,053	2,099
CFMoto	CF800	6	0	12	388	390
	Other/Not stated	90	289	0	1,355	1,553
	Total	96	289	12	1,743	1,943
Indian	TYPE D CHIEF	41	48	99	518	519
	SCOUT	38	40	225	617	718
	FTR	12	20	16	165	171
	Other/Not stated	0	0	11	312	314
	Total	91	108	351	1,612	1,722
MV Agusta	A	35	0	0	37	37
	D	28	0	0	31	31
	G	13	0	0	14	14
	H	10	0	0	11	11
	Total	86	0	0	93	93
Braap	MOTO4	72	0	0	216	216
	Other/Not stated	0	0	24	173	323
	Total	72	0	24	389	539
Longjia	ESTATE 50	26	0	0	67	67
	TREVIS 125	10	0	0	10	10
	LJ50QT	10	0	0	60	135
	Other/Not stated	4	0	0	13	13
	Total	50	0	0	150	225
Mutt	Other/Not stated	50	0	0	51	51
	Total	50	0	0	51	51
Sym	CROX 50	24	25	0	205	205
	SYMPHONY	8	0	0	38	38
	Other/Not stated	16	23	32	225	225
	Total	48	48	32	468	468
Beta	RR	34	45	62	424	469
	X-TRAINER	12	14	0	202	241
	Other/Not stated	0	21	27	85	86
	Total	46	80	89	711	796
All other makes	Total	86	328	670	6,002	6,615
Total	Total	5,548	5,796	5,600	63,997	70,823

Note: 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.

Concessional approval RAV entries

Table 18 Concessional approval RAV entries, by vehicle type and month, November 2023

Month	Vehicle type								Not stated	Total
	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Motorcycles	Light trailers	Medium trailers	Heavy trailers		
Nov 2023	1,522	371	31	4	0	371	74	21	646	3,040
Oct 2023	1,383	331	19	3	0	303	53	12	706	2,810
Sep 2023	1,163	368	18	45	0	409	92	14	1,106	3,215
Aug 2023	1,477	184	18	13	0	322	71	14	1,184	3,283
Jul 2023	906	77	12	426	1	128	15	10	967	2,542
Jun 2023	804	39	11	196	0	236	8	17	2,817	4,128
May 2023	701	16	0	3	0	51	3	5	838	1,617
Apr 2023	456	24	15	91	0	23	1	9	543	1,162
Mar 2023	441	16	5	5	0	15	3	3	640	1,128
Feb 2023	495	10	5	10	0	10	2	7	597	1,136
Jan 2023	397	7	1	4	0	12	0	1	673	1,095
Dec 2022	421	2	0	6	0	31	9	5	667	1,141
Nov 2022	393	2	4	17	0	46	8	12	1,218	1,700
Oct 2022	287	1	0	0	0	40	9	6	1,226	1,569
Sep 2022	195	0	0	0	0	53	7	11	1,246	1,512
Aug 2022	263	2	0	0	0	60	11	9	1,246	1,591
Jul 2022	161	0	1	0	0	57	25	12	1,007	1,263
Jun 2022	98	1	1	56	0	48	6	5	1,239	1,454
May 2022	67	0	0	36	0	29	6	0	867	1,005
Apr 2022	59	0	0	34	0	43	9	5	986	1,136
Mar 2022	27	0	6	33	1	43	5	1	972	1,088
Feb 2022	1	0	0	16	0	90	15	4	1,286	1,412
Jan 2022	0	0	0	14	0	129	31	7	1,228	1,409
Dec 2021	1	4	0	0	0	0	0	0	897	902
Nov 2021	0	1	0	0	1	0	0	1	1,007	1,010

a. Total excludes Second Stage of Manufacture vehicles.

Note: 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 19 Concessional approval RAV entries, by vehicle build year, November 2023

Year of Manufacture	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
2022	91	100	90	996	1,063
2021	70	44	31	621	641
2020	72	59	16	418	433
2019	94	67	31	545	566
2018	331	276	50	1,630	1,667
2017	277	256	179	2,286	2,413
2016	136	162	71	1,021	1,064
2015	122	141	91	1,170	1,224
2014	195	174	82	1,386	1,456
2013	124	117	61	1,006	1,064
2012	123	118	63	1,161	1,207
2011	53	57	68	661	700
2001-2010	376	392	399	4,147	4,454
1991-2000	239	207	171	2,304	2,393
1981-1990	109	95	88	905	948
1971-1980	68	72	73	995	1,038
1961-1970	75	57	64	759	796
1951-1960	22	30	40	406	425
1900-1950	18	29	32	312	317
Pre-1900	0	0	0	3	3
Other/Not stated	445	357	0	2,424	2,425
Total	3,040	2,810	1,700	25,156	26,297

a. Total excludes Second Stage of Manufacture vehicles.

Note: 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.

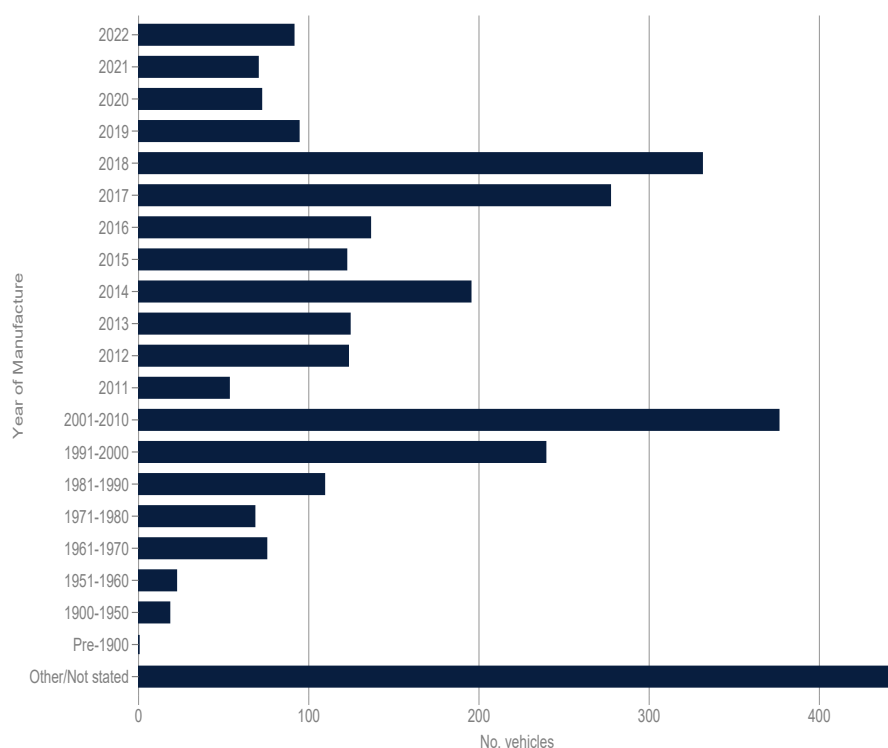
Figure 12 Concessional approval RAV entries, by vehicle build year, November 2023

Table 20 Specialist and Enthusiast Vehicle RAV entries, by SEV category and month, November 2023

Month	SEV approval criterion							Total
	Camper-vans and Motor-homes	Environ-mental	Left-Hand Drive	Mobility	Perfor-mance	Rarity	Not stated	
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	54	520	0	196	189	11	25	995
Jun 2023	19	482	2	125	204	6	5	843
May 2023	6	392	4	176	130	4	5	717
Apr 2023	3	260	0	109	98	2	2	474
Mar 2023	6	236	0	113	92	7	2	456
Feb 2023	5	244	0	133	120	0	1	503
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
Jun 2022	0	30	0	0	18	0	51	99
May 2022	0	7	0	1	21	0	37	66
Apr 2022	0	15	0	9	21	0	14	59
Mar 2022	0	0	0	27	0	0	0	27

Note: 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, November 2023

Month	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Not stated	Total
Nov 2023	234	3,080	1,239	155	29	0	4,737
Oct 2023	141	3,603	1,300	139	23	1	5,207
Sep 2023	130	5,597	1,045	42	21	0	6,835
Aug 2023	166	3,934	1,293	40	39	0	5,472
Jul 2023	120	3,033	971	30	37	0	4,191
Jun 2023	152	2,843	1,087	20	22	0	4,124
May 2023	143	3,044	998	29	32	0	4,246
Apr 2023	82	2,268	657	6	19	0	3,032
Mar 2023	117	3,144	765	54	15	0	4,095
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	1,995	615	50	16	0	2,746
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	2,498	739	34	7	0	3,338
Aug 2022	55	1,403	896	18	26	0	2,398
Jul 2022	41	1,347	642	20	27	0	2,077
Jun 2022	48	1,730	674	25	18	0	2,495
May 2022	15	1,589	711	18	21	0	2,354
Apr 2022	19	1,029	435	0	27	0	1,510
Mar 2022	24	1,573	570	0	19	0	2,186
Feb 2022	32	1,380	445	0	13	0	1,870
Jan 2022	12	810	130	0	4	0	956
Dec 2021	0	507	32	15	0	0	554
Nov 2021	0	183	15	0	0	0	198

Note: 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, November 2023

Make	Model	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
Toyota	HILUX	2,587	2,931	2,297	29,229	30,914
	LANDCRUISER PRADO	30	29	10	251	260
	HIACE	23	25	18	159	172
	LANDCRUISER	17	22	177	451	540
	COMMUTER	17	10	16	151	159
	Other/Not stated	447	484	1	2,679	2,682
	Total	3,121	3,501	2,519	32,920	34,727
Nissan	NAVARA	194	312	182	2,479	2,688
	PATROL	34	34	11	279	294
	Other/Not stated	103	5	0	108	108
	Total	331	351	193	2,866	3,090
Ford	RANGER	214	277	73	2,409	2,492
	Other/Not stated	72	42	1	279	282
	Total	286	319	74	2,688	2,774
Isuzu	D-MAX	115	143	91	1,276	1,375
	NPS	30	20	36	287	311
	MU-X	24	32	29	337	360
	Other/Not stated	65	61	6	389	399
	Total	234	256	162	2,289	2,445
Fiat	DUCATO	153	88	95	1,032	1,095
	Other/Not stated	15	11	0	238	238
	Total	168	99	95	1,270	1,333
Mercedes-Benz	SPRINTER	79	94	140	1,199	1,376
	Other/Not stated	20	30	0	173	173
	Total	99	124	140	1,372	1,549
Mazda	BT-50	68	83	39	619	650
	Other/Not stated	22	23	0	80	80
	Total	90	106	39	699	730
Volvo	Other/Not stated	88	38	0	205	210
	Total	88	38	0	205	210
Volkswagen	CRAFTER	22	0	6	89	97
	TRANSPORTER	13	5	7	102	116
	Other/Not stated	33	27	0	128	129
	Total	68	32	13	319	342
Renault	MASTER	60	35	40	397	424
	Other/Not stated	1	0	0	8	8
	Total	61	35	40	405	432
All other makes	Total	191	346	128	2,117	2,264
Total	Total	4,737	5,207	3,403	47,150	49,896

Note: 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.

RAV entries of caravans and camper trailers

Table 23 RAV entries of caravans and camper trailers, top 20 makes, November 2023^a

Rank	Make	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
1	Jayco	872	929	1,094	9,875	10,793
2	Regent RV Pty Ltd	285	306	135	2,683	2,892
3	Ezytrail	283	161	0	1,445	1,445
4	Market Direct Campers	210	221	0	1,778	1,778
5	Crusader Caravans	200	191	0	1,008	1,008
6	Austrack Campers	172	155	0	1,311	1,311
7	New Age Caravans	128	145	0	981	981
8	Adria	110	0	0	259	259
9	Network RV	102	104	0	781	781
10	Adventure Kings	85	46	54	608	658
11	Leader	82	101	0	513	513
12	Stoney Creek Campers	82	102	0	786	786
13	Essential Caravans	75	137	0	1,403	1,403
14	Supreme	74	73	0	604	604
15	JB Caravans	71	87	0	752	752
16	Lotus Caravans	66	66	0	454	454
17	Avan	61	74	0	450	450
18	Design RV	50	86	0	579	579
19	Millard	48	46	0	297	297
20	Viscount	48	49	0	359	359
21	Other makes	1,697	1,834	85	11,656	11,704
Total	-	4,801	4,913	1,368	38,582	39,807

a. Caravan and camper trailer RAV entry estimates are derived from trailer make and model information supplied to the RAV, and may not be a full enumeration.

Note: 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 24 RAV entries of caravans and camper trailers, by tare weight, November 2023^a

Tare weight	Nov 2023	Oct 2023	Nov 2022	Year to date	Last 12 months
<= 500kg	50	61	1	289	289
500-1000kg	175	149	93	1,249	1,319
1000-1500kg	426	551	321	4,327	4,585
1500-2000kg	753	710	311	6,429	6,668
2000-2500kg	1,928	1,903	444	15,431	15,856
2500-3000kg	1,348	1,398	196	9,961	10,194
3000-5000kg	121	139	2	884	884
> 5000kg	0	2	0	11	11
Not stated	0	0	0	1	1
Total	4,801	4,913	1,368	38,582	39,807

a. Caravan and camper trailer RAV entry estimates are derived from trailer make and model information supplied to the RAV, and may not be a full enumeration.

Note: 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.

Vehicle recalls

Table 1 Vehicle recall notices issued, by month of issue, November 2021 to November 2023

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
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
Jun 2022	15	3	2	1	0	0	21
May 2022	20	1	4	0	0	1	26
Apr 2022	14	1	1	2	0	0	18
Mar 2022	12	1	5	1	1	0	20
Feb 2022	8	4	2	0	0	0	14
Jan 2022	12	0	0	0	0	0	12
Dec 2021	16	5	2	0	0	1	24
Nov 2021	8	0	4	0	0	6	18

Sources: ROVER and BITRE estimates.

Figure 1 Vehicle recall notices, by vehicle type, November 2021 to November 2023

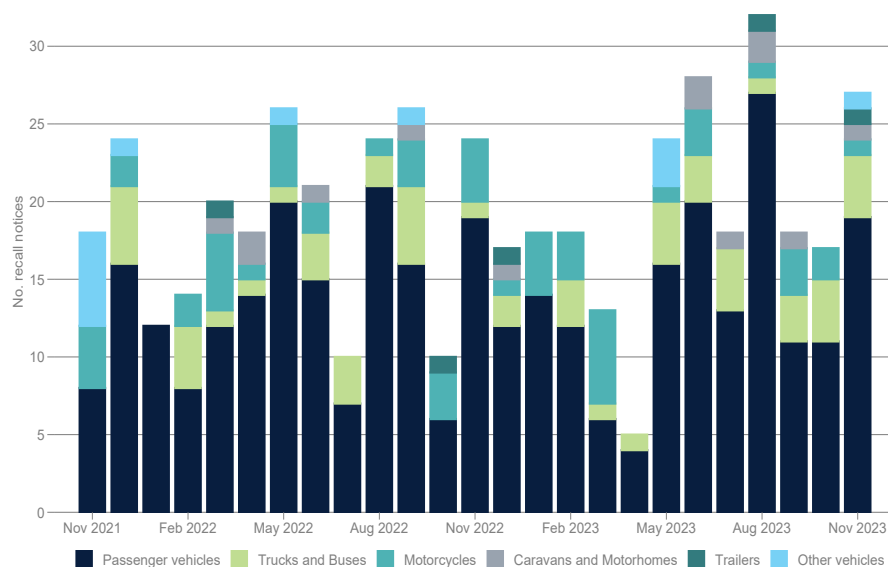
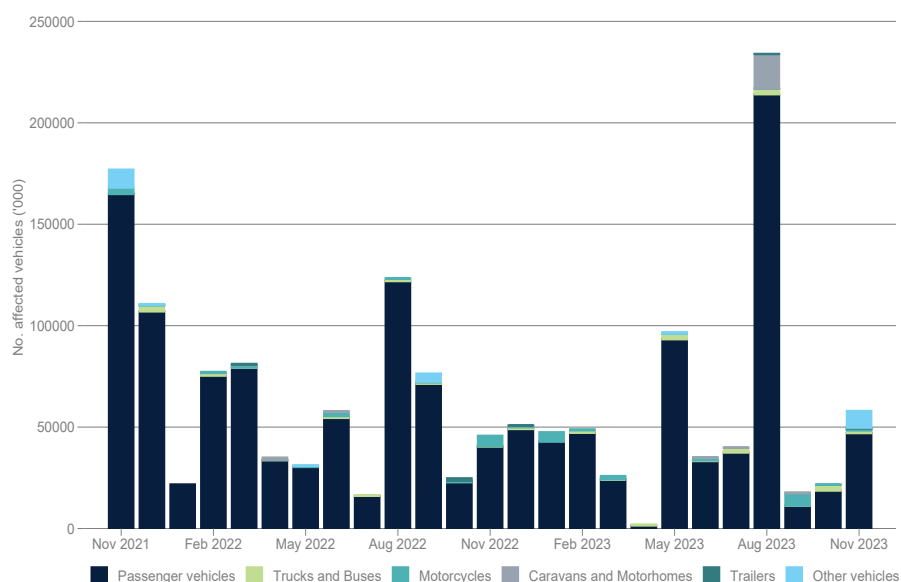


Table 2 Vehicle recalls, total vehicles affected, by month of issue, November 2021 to November 2023

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
Nov 2023	47,007	1,316	842	50	471	8,262	57,948
Oct 2023	18,668	2,847	224	0	0	0	21,739
Sep 2023	11,194	56	6,092	449	0	0	17,791
Aug 2023	214,047	2,828	40	16,999	9	0	233,923
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
Jun 2022	54,517	897	2,236	10	0	0	57,660
May 2022	30,361	16	574	0	0	25	30,976
Apr 2022	33,685	106	138	1,050	0	0	34,979
Mar 2022	79,281	4	1,220	158	513	0	81,176
Feb 2022	75,332	1,327	541	0	0	0	77,200
Jan 2022	21,747	0	0	0	0	0	21,747
Dec 2021	107,008	2,983	499	0	0	30	110,520
Nov 2021	164,882	0	3,160	0	0	8,883	176,925

Sources: ROVER and BITRE estimates.

Figure 2 Vehicle recalls, total vehicles affected, by vehicle type, November 2021 to November 2023

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 webpage⁶ 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 pathway⁷

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)

⁶ <https://www.infrastructure.gov.au/infrastructure-transport-vehicles/vehicles/road-vehicle-standards-laws>

⁷ 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 – **R**oad **V**ehicle **R**egulator (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, Accessed: 30 Apr. 2023.