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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

December 2023

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December 2023

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
January 2024

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Highlights – December 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 December 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 113,451 road vehicles entered on the RAV in December 2023, 22.1 per cent lower than total entries in November 2023 (i.e. 145,668 vehicles).¹
- There were 110,862 type approved vehicles entered in December 2023, 22.3 per cent lower than total type approved vehicles entries in November 2023 (i.e. 142,629 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 2,589 vehicles in the month of December 2023, 14.8 per cent lower than concessional RAV approval entries in November 2023 (i.e. 3,039 vehicles).

Type approved RAV entries by vehicle category

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

- 64,242 passenger vehicle RAV entries, 20.1 per cent lower than in November 2023
- 22,129 light commercial vehicle (LCV) RAV entries, 30.3 per cent lower than in November 2023
- 3,000 medium goods vehicle RAV entries, 33.4 per cent lower than in November 2023
- 1,405 heavy goods vehicle RAV entries, 28.8 per cent lower than in November 2023
- 273 bus RAV entries, 39.5 per cent lower than in November 2023, and
- 6,487 motorcycle RAV entries, 16.9 per cent higher than in November 2023.

Type approved RAV entries by vehicle make

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

- Passenger vehicles: Toyota, Mazda, Mitsubishi, Hyundai and Kia
- Light commercial vehicles: Toyota, Ford, Isuzu, Mazda and Mitsubishi
- Medium goods vehicles: Toyota, Isuzu, LDV, Mercedes-Benz and Fuso
- Heavy goods vehicles: Kenworth, Isuzu, Volvo, UD and Scania
- Buses: Toyota, Fuso, LDV, Volgren and Yutong
- Motorcycles: KTM, Yamaha, Harley-Davidson, Husqvarna and Kawasaki.

Concessional RAV entry approval vehicles

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

- 1,386 passenger vehicles
- 260 LCVs
- 30 medium goods vehicles
- 24 heavy goods vehicles, and
- 402 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 1,674 specialist and enthusiast vehicles (SEVs) entries on the RAV in December 2023.
- There were 935 SEV RAV entries in December 2023 under environmental criterion.

Second stage of manufacture (SSM) RAV entries

- There were 4,230 SSM RAV entries in December 2023, comprising:
 - 2,855 light commercial vehicles
 - 1,072 medium goods vehicles
 - 173 passenger vehicles, and
 - 130 other vehicles.

Type approval RAV entries by trailer category

In the month of December 2023 there were:

- 11,675 type approved light trailer RAV entries
- 545 type approved medium trailer RAV entries, and
- 1,106 type approved heavy trailer RAV entries.

Type approved trailer RAV entries included approximately 3,713 caravans and camper trailers in the month of December 2023.²

Vehicle recall notices

- In December 2023 there were 18 recall notices published on the Department's website, covering approximately 11,061 vehicles.
- As at 31 December 2023 there were 4,905 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 – 3,200 notices (covering 18,806,416 vehicles)
 - Trucks and buses – 781 notices (covering 553,336 vehicles)
 - Motorcycles – 789 notices (covering 488,355 vehicles)
 - Caravans/motorhomes – 69 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 December 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, December 2023

Month	Approval category		Total ^a
	Type approval	Concessional approval	
Dec 2023	110,862	2,589	113,451
Nov 2023	142,629	3,039	145,668
Oct 2023	141,169	2,809	143,978
Sep 2023	139,476	3,215	142,691
Aug 2023	152,591	3,282	155,873
Jul 2023	140,773	2,542	143,315
Jun 2023	133,431	4,127	137,558
May 2023	137,609	1,617	139,226
Apr 2023	99,848	1,162	101,010
Mar 2023	111,759	1,128	112,887
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	98,937	1,454	100,391
May 2022	97,115	1,005	98,120
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

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.

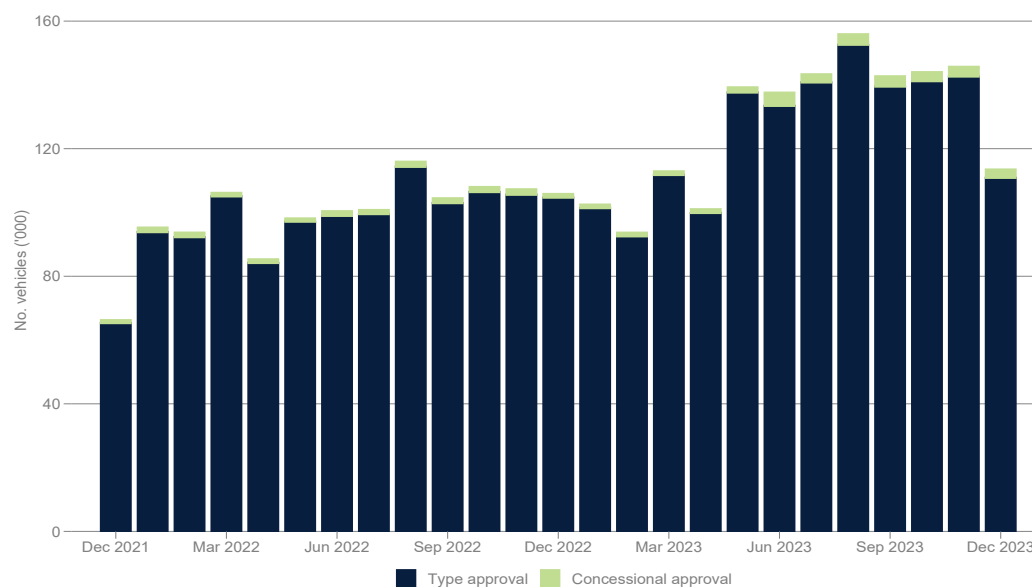
Figure 1 Total RAV entries, by approval category and month, last 25 months

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

Month	Type approvals			Total ^a
	Standard	Non-standard	SSM	
Dec 2023	110,803	59	4,229	110,862
Nov 2023	142,573	56	4,716	142,629
Oct 2023	141,093	76	5,192	141,169
Sep 2023	139,388	88	6,812	139,476
Aug 2023	152,460	131	5,464	152,591
Jul 2023	140,696	77	4,174	140,773
Jun 2023	133,207	224	4,104	133,431
May 2023	137,507	102	4,227	137,609
Apr 2023	99,783	65	3,026	99,848
Mar 2023	111,692	67	4,091	111,759
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	98,880	57	2,495	98,937
May 2022	97,051	64	2,354	97,115
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

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.

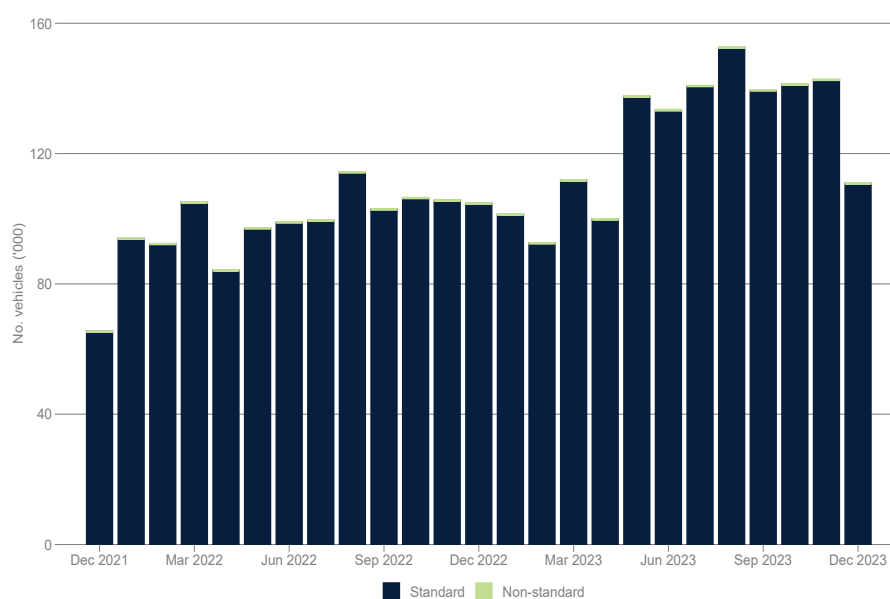
Figure 2 Type approved RAV entries, by approval sub-category and month, last 25 months

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

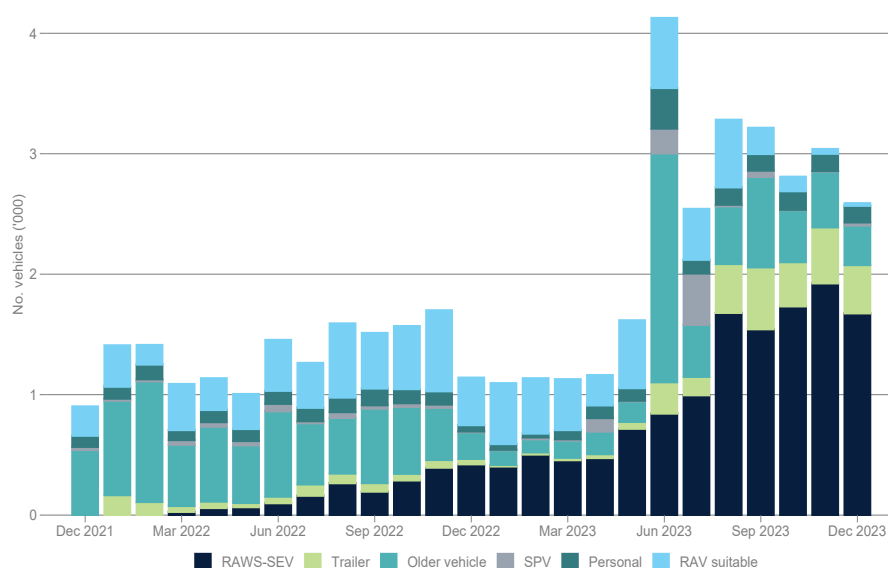
Month	Concessional RAV entry approvals							Total ^a
	RAWS-SEV	RAWS-SSM	Trailer	Older vehicle	SPV	Personal	RAV suitable	
Dec 2023	1,675	1	401	328	26	138	21	2,589
Nov 2023	1,924	2	465	464	4	143	39	3,039
Oct 2023	1,733	5	367	432	3	154	120	2,809
Sep 2023	1,543	0	514	751	52	138	217	3,215
Aug 2023	1,679	1	406	479	13	144	561	3,282
Jul 2023	995	11	153	432	426	114	422	2,542
Jun 2023	843	19	260	1,900	206	337	581	4,127
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

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, December 2023

Month	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Motor-cycles	Total
Dec 2023	64,242	22,129	3,000	1,405	273	6,487	97,536
Nov 2023	80,355	31,744	4,503	1,974	451	5,548	124,575
Oct 2023	83,779	29,181	3,580	2,343	413	5,796	125,092
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	68,351	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	2,093	297	4,651	97,628
May 2022	68,141	17,064	3,350	2,085	366	4,737	95,743
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

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

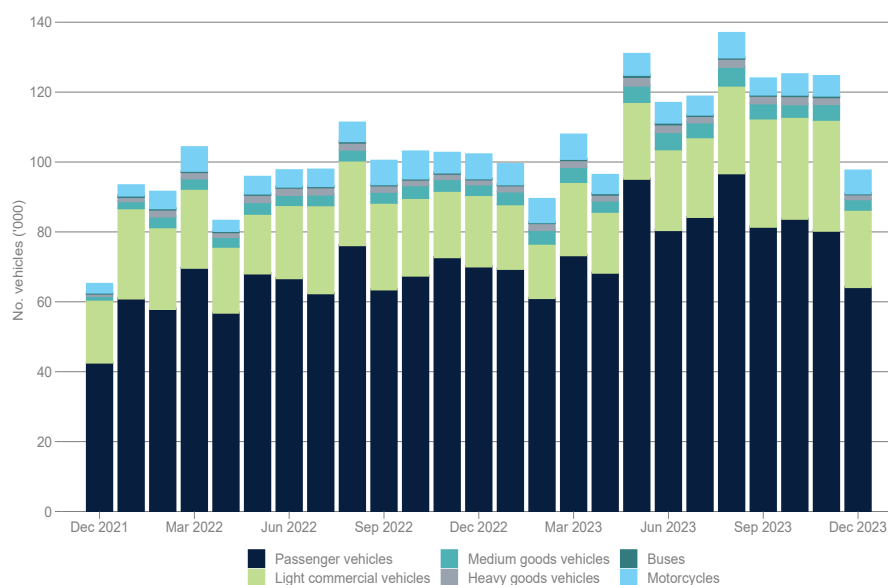
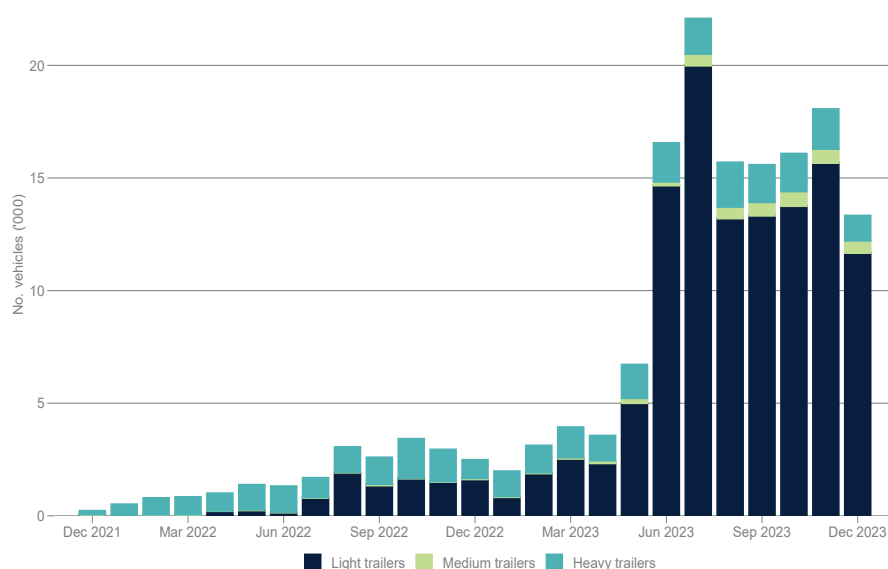


Table 5 Type approved RAV entries, trailers, by vehicle type and month, December 2023

Month	Light trailers	Medium trailers	Heavy trailers	Total
Dec 2023	11,675	545	1,106	13,326
Nov 2023	15,671	625	1,758	18,054
Oct 2023	13,758	653	1,666	16,077
Sep 2023	13,331	600	1,647	15,578
Aug 2023	13,208	515	1,963	15,686
Jul 2023	19,993	521	1,558	22,072
Jun 2023	14,670	169	1,707	16,546
May 2023	5,009	220	1,479	6,708
Apr 2023	2,337	118	1,101	3,556
Mar 2023	2,536	61	1,334	3,931
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

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, December 2023

Rank	Make	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
1	Toyota	13,326	14,985	10,414	143,255	143,255
2	Mazda	7,081	6,038	7,129	88,197	88,197
3	Mitsubishi	5,013	5,214	3,473	50,277	50,277
4	Hyundai	4,792	6,063	4,670	75,735	75,735
5	Kia	4,614	4,458	6,945	73,861	73,861
6	MG	3,597	4,864	6,331	61,767	61,767
7	Subaru	3,562	3,721	4,435	47,657	47,657
8	Nissan	2,738	5,640	2,349	40,942	40,942
9	Honda	2,365	2,507	1,139	16,947	16,947
10	Tesla	1,923	3,350	5,451	46,010	46,010
11	Haval	1,849	2,683	2,096	24,143	24,143
12	Isuzu	1,508	1,541	1,213	15,176	15,176
13	Ford	1,288	2,265	1,067	21,395	21,395
14	Mercedes-Benz	1,275	2,753	1,311	24,350	24,350
15	BMW	1,159	2,920	899	27,826	27,826
16	Suzuki	1,062	1,499	1,811	17,243	17,243
17	Volkswagen	975	1,484	1,831	36,424	36,424
18	Audi	929	985	1,844	18,443	18,443
19	Volvo	895	830	1,217	11,999	11,999
20	Lexus	813	908	620	16,792	16,792
21	BYD	766	1,002	0	17,186	17,186
22	Skoda	517	420	867	8,364	8,364
23	Mahindra	442	348	0	2,848	2,848
24	Chery	438	1,392	1	8,801	8,801
25	Ssangyong	365	265	534	3,698	3,698
26	Land Rover	320	919	238	9,303	9,303
27	Porsche	315	398	385	6,378	6,378
28	Tank	299	433	14	2,635	2,635
29	LDV	258	316	607	4,466	4,466
30	Cupra	245	451	205	3,840	3,840
31	Other/Not stated	1,072	1,459	1,539	25,801	25,801
Total	-	65,801	82,111	70,635	951,759	951,759

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.

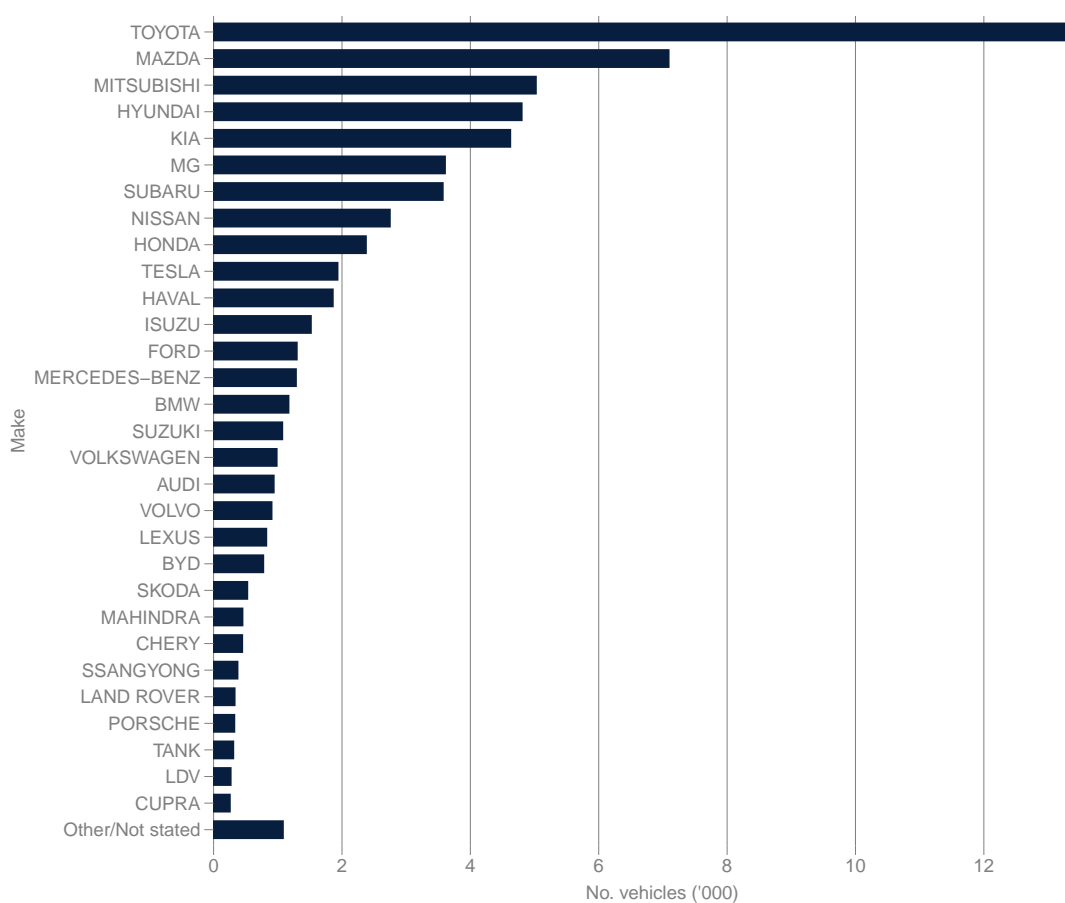
Figure 6 Type approval RAV entries, passenger vehicles, top 30 makes, December 2023

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

Rank	Make	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
1	Toyota	7,018	8,972	6,393	102,251	102,251
2	Ford	6,011	12,248	5,083	71,014	71,014
3	Isuzu	3,751	3,785	2,849	37,077	37,077
4	Mazda	1,581	1,927	1,357	22,087	22,087
5	Mitsubishi	1,539	2,461	948	20,934	20,934
6	Volkswagen	1,460	1,059	160	9,718	9,718
7	Nissan	1,007	1,515	642	14,650	14,650
8	LDV	999	1,020	1,290	13,113	13,113
9	Great Wall	621	983	1,302	8,322	8,322
10	Ssangyong	293	152	1,054	3,808	3,808
11	RAM	280	280	593	6,038	6,038
12	Chevrolet	236	315	245	2,549	2,549
13	Peugeot	193	98	17	1,288	1,288
14	Hyundai	148	151	267	2,529	2,529
15	Jeep	34	20	50	414	414
16	Mercedes-Benz	29	11	137	764	764
17	Suzuki	23	24	1	140	140
18	Daihatsu	18	33	0	139	139
19	Renault	2	112	50	1,503	1,503
20	Land Rover	1	6	0	8	8
21	Other/Not stated	0	5	1	33	33
Total	-	25,244	35,177	22,439	318,379	318,379

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.

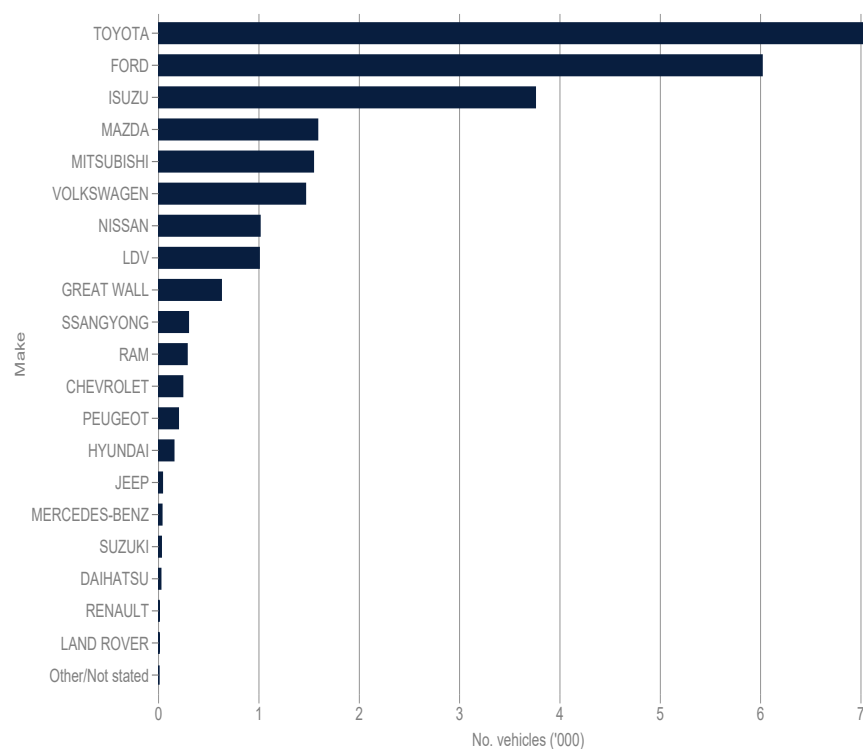
Figure 7 Type approval RAV entries, light commercial vehicles, top 20 makes, December 2023

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

Rank	Make	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
1	Toyota	1,448	2,284	1,001	18,205	18,205
2	Isuzu	700	726	604	10,114	10,114
3	LDV	334	400	361	4,677	4,677
4	Mercedes-Benz	297	429	599	4,420	4,420
5	Fuso	212	182	165	3,801	3,801
6	Ford	174	319	45	2,057	2,057
7	Fiat	144	317	164	3,000	3,000
8	Hino	106	269	176	4,414	4,414
9	IVECO	103	126	122	2,106	2,106
10	Chevrolet	102	69	48	1,363	1,363
11	RAM	86	52	116	707	707
12	Volkswagen	75	65	53	1,233	1,233
13	Dodge	68	78	6	1,342	1,342
14	Renault	66	136	149	1,954	1,954
15	Nissan	20	34	15	298	298
16	Hyundai	18	23	16	291	291
17	Foton	15	17	1	162	162
18	Mazda	11	36	14	240	240
19	GMC	2	0	0	12	12
20	Dulevo	1	0	0	1	1
21	Other/Not stated	120	210	0	1,035	1,035
Total	-	4,102	5,772	3,655	61,432	61,432

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.

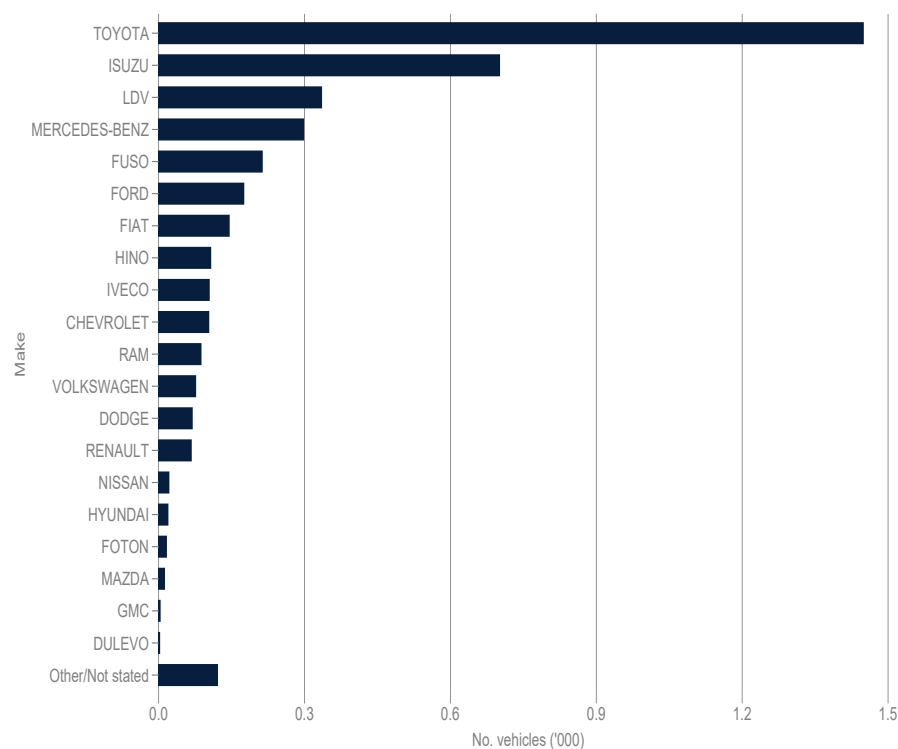
Figure 8 Type approval RAV entries, medium goods vehicles, top 20 makes, December 2023

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

Rank	Make	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
1	Kenworth	287	356	458	4,196	4,196
2	Isuzu	269	287	257	4,498	4,498
3	Volvo	222	409	211	4,052	4,052
4	UD	113	98	55	1,224	1,224
5	Scania	103	122	81	1,406	1,406
6	Fuso	94	96	36	1,292	1,292
7	Mack	83	122	85	1,135	1,135
8	DAF	70	129	30	1,226	1,226
9	Mercedes-Benz	69	120	45	1,296	1,296
10	Sinotruk	66	24	0	448	448
11	Freightliner	35	26	10	403	403
12	MAN	29	65	33	556	556
13	Hino	28	197	101	2,097	2,097
14	IVECO	25	38	35	512	512
15	Western Star	12	26	0	170	170
16	Other/Not stated	32	18	39	1,012	1,012
Total	-	1,537	2,133	1,476	25,523	25,523

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.

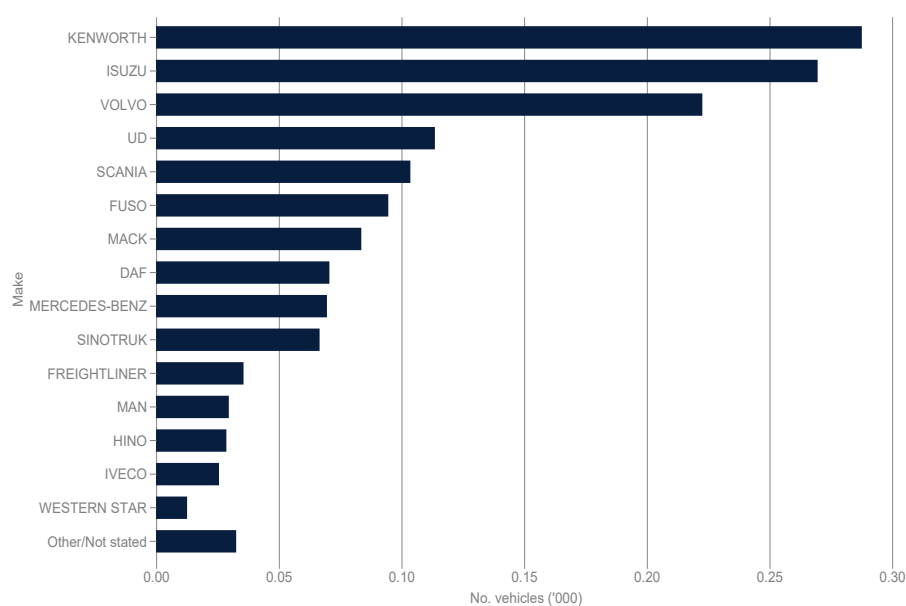
Figure 9 Type approval RAV entries, heavy goods vehicles, top 15 makes, December 2023

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

Rank	Make	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
1	Toyota	147	221	153	2,886	2,886
2	Fuso	34	35	21	282	282
3	LDV	26	86	44	295	295
4	Volgren	19	31	28	382	382
5	Yutong	16	27	10	234	234
6	Custom Bus	11	9	8	118	118
7	Scania	11	3	5	40	40
8	BCI	7	6	5	112	112
9	Express Coach Builders	4	3	2	36	36
10	Isuzu	4	8	5	70	70
11	Mercedes-Benz	4	6	2	64	64
12	Coach Design	3	0	3	20	20
13	Bustech	2	0	4	38	38
14	Hino	2	0	0	7	7
15	Irizar	2	23	11	170	170
16	Coach Concepts	1	1	1	20	20
17	King Long	1	10	10	83	83
18	Volvo	1	0	0	4	4
19	Ankai	0	0	0	2	2
20	ARCC	0	0	2	2	2
21	Other/Not stated	0	11	2	113	113
Total	-	295	480	316	4,978	4,978

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.

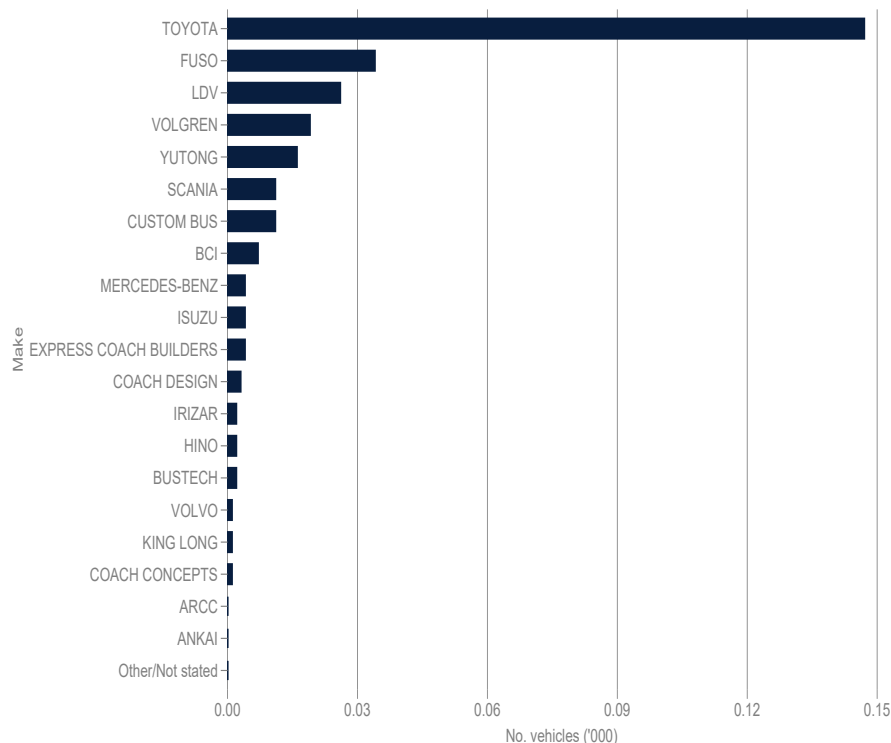
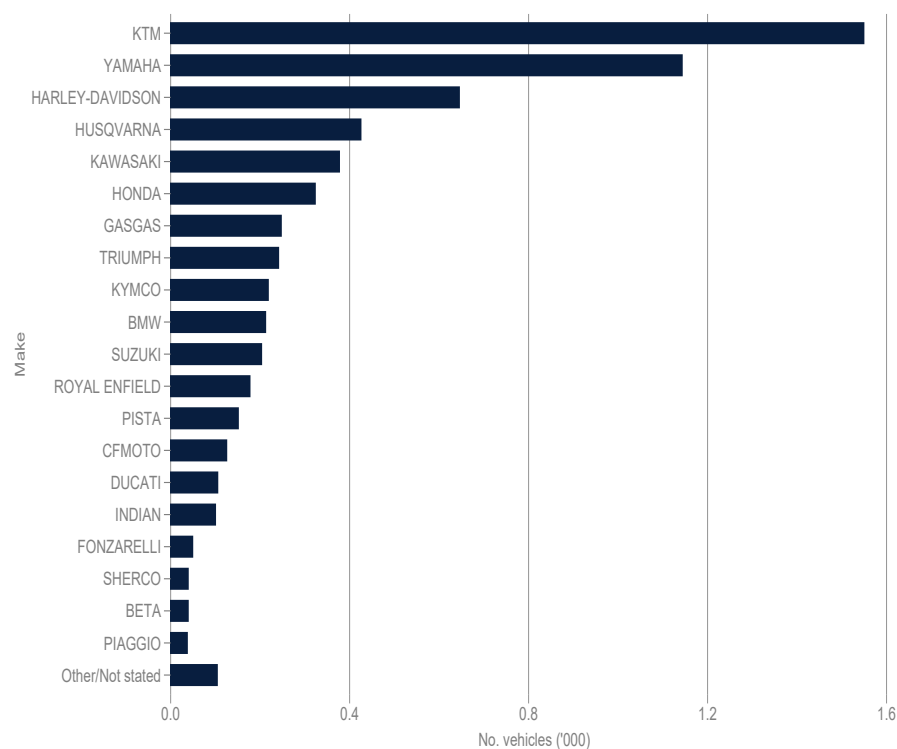
Figure 10 Type approval RAV entries, all buses, top 20 makes, December 2023

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

Rank	Make	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
1	KTM	1,548	506	882	9,013	9,013
2	Yamaha	1,142	1,801	1,211	11,004	11,004
3	Harley-Davidson	644	195	356	5,963	5,963
4	Husqvarna	424	306	538	3,115	3,115
5	Kawasaki	376	400	1,064	5,313	5,313
6	Honda	322	433	398	10,191	10,191
7	GASGAS	246	141	46	858	858
8	Triumph	240	163	175	1,957	1,957
9	Kymco	217	108	46	2,270	2,270
10	BMW	211	158	107	3,289	3,289
11	Suzuki	202	495	281	3,462	3,462
12	Royal Enfield	176	0	181	2,140	2,140
13	Pista	150	0	0	300	300
14	CFMoto	124	96	200	1,867	1,867
15	Ducati	104	217	489	2,019	2,019
16	Indian	99	91	110	1,711	1,711
17	Fonzarelli	48	0	0	93	93
18	Beta	38	46	85	749	749
19	Sherco	38	0	48	465	465
20	Piaggio	36	0	0	136	136
21	Other/Not stated	103	392	609	4,570	4,570
Total	-	6,488	5,548	6,826	70,485	70,485

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, December 2023

RAV entries by vehicle class, make and model

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

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Toyota	COROLLA	2,937	3,228	2,421	29,547	29,547
	RAV4	2,428	2,377	2,449	29,840	29,840
	LANDCRUISER PRADO	2,221	3,578	1,433	22,480	22,480
	CAMRY	1,514	1,292	423	11,105	11,105
	LANDCRUISER	1,299	1,131	1,485	13,933	13,933
	KLUGER	916	607	427	11,259	11,259
	YARIS	897	1,025	852	8,691	8,691
	Other/Not stated	1,114	1,747	924	16,400	16,400
	Total	13,326	14,985	10,414	143,255	143,255
Mazda	CX-5	2,670	288	1,967	24,544	24,544
	CX-3	1,341	1,647	2,127	15,110	15,110
	MAZDA 3	1,207	966	619	9,888	9,888
	CX-8	575	402	821	6,565	6,565
	CX-30	571	1,658	370	14,762	14,762
	MAZDA 2	357	299	328	5,069	5,069
	Other/Not stated	360	778	897	12,259	12,259
	Total	7,081	6,038	7,129	88,197	88,197
Mitsubishi	OUTLANDER	2,325	2,623	1,713	25,854	25,854
	ASX	1,026	745	697	9,630	9,630
	PAJERO	847	1,113	578	6,326	6,326
	ECLIPSE	790	699	473	8,250	8,250
	Other/Not stated	25	34	12	217	217
	Total	5,013	5,214	3,473	50,277	50,277
Hyundai	TUCSON	1,429	2,217	1,435	22,907	22,907
	I30	1,184	1,150	1,416	20,791	20,791
	VENUE	370	584	252	6,245	6,245
	SANTA FE	316	278	581	6,181	6,181
	Other/Not stated	1,493	1,834	986	19,611	19,611
	Total	4,792	6,063	4,670	75,735	75,735
Kia	CERATO	1,225	563	407	6,563	6,563
	SORENTO	1,005	145	1,476	7,408	7,408
	SPORTAGE	597	1,322	1,788	14,603	14,603
	CARNIVAL	514	434	1,382	10,336	10,336
	YB	422	378	515	10,469	10,469
	SELTOS	384	858	472	10,429	10,429
	Other/Not stated	467	758	905	14,053	14,053
	Total	4,614	4,458	6,945	73,861	73,861
MG	ZS	1,612	1,458	2,737	32,137	32,137
	MG3	625	836	2,443	14,936	14,936
	MG4	524	1,137	0	4,668	4,668
	HS Vibe	299	704	1,151	7,124	7,124
	Other/Not stated	537	729	0	2,902	2,902
	Total	3,597	4,864	6,331	61,767	61,767
Subaru	FORESTER	1,363	1,341	1,878	16,595	16,595
	CROSSTREK	1,064	1,064	0	9,902	9,902
	OUTBACK	614	1,039	802	13,373	13,373
	V-2	201	95	335	2,807	2,807
	Other/Not stated	320	182	1,420	4,980	4,980
	Total	3,562	3,721	4,435	47,657	47,657
Nissan	X-TRAIL	944	2,879	1,295	16,130	16,130
	PATROL	700	1,481	649	9,128	9,128
	QASHQAI	400	430	173	8,720	8,720
	JUKE	302	401	0	2,346	2,346
	Other/Not stated	392	449	232	4,618	4,618
	Total	2,738	5,640	2,349	40,942	40,942

(continued)

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

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Honda	HR-V	445	179	242	2,203	2,203
	Other/Not stated	1,920	2,328	897	14,744	14,744
	Total	2,365	2,507	1,139	16,947	16,947
Tesla	MODEL 3	1,623	60	5,027	14,826	14,826
	MODEL Y	300	3,290	424	31,184	31,184
	Total	1,923	3,350	5,451	46,010	46,010
Haval	JOLION	1,064	1,070	1,135	11,235	11,235
	H6	785	1,613	961	12,908	12,908
	Total	1,849	2,683	2,096	24,143	24,143
Isuzu	MU-X	1,508	1,541	1,213	15,176	15,176
	Total	1,508	1,541	1,213	15,176	15,176
Ford	EVEREST	943	2,050	923	15,116	15,116
	PUMA	70	32	43	1,916	1,916
	Other/Not stated	275	183	101	4,363	4,363
	Total	1,288	2,265	1,067	21,395	21,395
Mercedes-Benz	X254	239	811	0	2,524	2,524
	206	182	87	276	2,324	2,324
	V167	150	807	190	3,254	3,254
	177	125	129	143	2,426	2,426
	H247	108	115	67	1,963	1,963
	H243	83	209	9	1,313	1,313
	118	83	77	85	946	946
	Other/Not stated	305	518	541	9,600	9,600
	Total	1,275	2,753	1,311	24,350	24,350
BMW	X SERIES	601	1,226	482	11,643	11,643
	2 SERIES	132	232	53	2,452	2,452
	X1	114	647	89	5,267	5,267
	1 SERIES	94	113	56	1,847	1,847
	3 SERIES	76	251	83	3,254	3,254
	4 SERIES	68	333	86	2,209	2,209
	Other/Not stated	74	118	50	1,154	1,154
	Total	1,159	2,920	899	27,826	27,826
Suzuki	SWIFT	214	715	676	7,119	7,119
	VITARA	151	313	119	1,888	1,888
	JIMNY	113	263	441	4,926	4,926
	IGNIS	110	123	518	2,072	2,072
	Other/Not stated	474	85	57	1,238	1,238
	Total	1,062	1,499	1,811	17,243	17,243
Volkswagen	TIGUAN	617	519	836	13,062	13,062
	T-ROC	184	441	50	10,021	10,021
	MULTIVAN	99	109	54	1,068	1,068
	Other/Not stated	75	415	891	12,273	12,273
	Total	975	1,484	1,831	36,424	36,424
Audi	Q5	388	202	303	4,139	4,139
	RS3	165	206	338	3,276	3,276
	Q3	132	209	664	4,080	4,080
	Q8	52	37	30	542	542
	Other/Not stated	192	331	509	6,406	6,406
	Total	929	985	1,844	18,443	18,443
Volvo	X SERIES	609	598	807	7,506	7,506
	U SERIES	161	116	331	2,500	2,500
	XC90	111	74	69	1,556	1,556
	Other/Not stated	14	42	10	437	437
	Total	895	830	1,217	11,999	11,999

(continued)

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

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Lexus	NX AZ2	283	396	371	7,498	7,498
	UX ZA1	165	151	74	2,398	2,398
	RX AL3	112	91	47	2,922	2,922
	ES XZ1L	93	142	99	1,837	1,837
	LX J30L	63	43	18	1,049	1,049
	UX EZA1	44	16	11	148	148
	Other/Not stated	53	69	0	940	940
	Total	813	908	620	16,792	16,792
BYD	Other/Not stated	766	1,002	0	17,186	17,186
	Total	766	1,002	0	17,186	17,186
Skoda	TYPE NS	146	151	157	1,776	1,776
	TYPE NX	99	59	172	1,527	1,527
	TYPE NU	93	36	176	1,396	1,396
	TYPE NWC	82	98	218	1,905	1,905
	TYPE NWS	62	50	58	1,000	1,000
	TYPE PJ	28	20	69	457	457
	Other/Not stated	7	6	17	303	303
	Total	517	420	867	8,364	8,364
Mahindra	Other/Not stated	442	348	0	2,848	2,848
	Total	442	348	0	2,848	2,848
Chery	Other/Not stated	438	1,392	1	8,801	8,801
	Total	438	1,392	1	8,801	8,801
Ssangyong	REXTON	316	169	406	2,877	2,877
	KORANDO	49	96	128	821	821
	Total	365	265	534	3,698	3,698
All other makes	Total	2,509	3,976	2,988	52,423	52,423
Total	Total	65,801	82,111	70,635	951,759	951,759

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, December 2023

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Toyota	HILUX	6,270	7,947	5,738	93,535	93,535
	HIACE	746	1,021	654	8,688	8,688
	Other/Not stated	2	4	1	28	28
	Total	7,018	8,972	6,393	102,251	102,251
Ford	RANGER	5,540	11,241	4,646	67,097	67,097
	F150	311	697	0	1,039	1,039
	Other/Not stated	160	310	437	2,878	2,878
	Total	6,011	12,248	5,083	71,014	71,014
Isuzu	D-MAX	3,750	3,782	2,849	37,066	37,066
	Other/Not stated	1	3	0	11	11
	Total	3,751	3,785	2,849	37,077	37,077
Mazda	BT-50	1,580	1,927	1,357	22,070	22,070
	Other/Not stated	1	0	0	17	17
	Total	1,581	1,927	1,357	22,087	22,087
Mitsubishi	TRITON	1,416	2,457	948	20,423	20,423
	Other/Not stated	123	4	0	511	511
	Total	1,539	2,461	948	20,934	20,934
Volkswagen	TRANSPORTER	103	88	136	1,107	1,107
	Other/Not stated	1,357	971	24	8,611	8,611
	Total	1,460	1,059	160	9,718	9,718
Nissan	NAVARA	1,004	1,509	642	14,633	14,633
	Other/Not stated	3	6	0	17	17
	Total	1,007	1,515	642	14,650	14,650
LDV	T60	658	781	856	8,438	8,438
	G10	306	236	420	4,139	4,139
	Other/Not stated	35	3	14	536	536
	Total	999	1,020	1,290	13,113	13,113
Great Wall	CANNON	621	983	1,302	8,322	8,322
	Total	621	983	1,302	8,322	8,322
Ssangyong	MUSSO	293	152	1,054	3,808	3,808
	Total	293	152	1,054	3,808	3,808
RAM	DT	278	278	356	3,608	3,608
	Other/Not stated	2	2	237	2,430	2,430
	Total	280	280	593	6,038	6,038
Chevrolet	T1XCF_G	236	315	245	2,549	2,549
	Other/Not stated	0	0	0	0	0
	Total	236	315	245	2,549	2,549
Peugeot	EXPERT	100	26	17	478	478
	PARTNER	91	72	0	750	750
	Other/Not stated	2	0	0	60	60
	Total	193	98	17	1,288	1,288
Hyundai	STARIA	148	151	267	2,529	2,529
	Total	148	151	267	2,529	2,529
Jeep	GLADIATOR	34	20	50	414	414
	Total	34	20	50	414	414
Mercedes-Benz	VITO	25	1	137	711	711
	SPRINTER	4	9	0	15	15
	Other/Not stated	0	1	0	38	38
	Total	29	11	137	764	764
Suzuki	Other/Not stated	23	24	1	140	140
	Total	23	24	1	140	140
Daihatsu	HIJET	18	33	0	139	139
	Total	18	33	0	139	139

(continued)

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

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Renault	TRAFIC	2	111	50	1,495	1,495
	Other/Not stated	0	1	0	8	8
	Total	2	112	50	1,503	1,503
Land Rover	DEFENDER	1	6	0	8	8
	Total	1	6	0	8	8
All other makes	Total	0	5	1	33	33
Total	Total	25,244	35,177	22,439	318,379	318,379

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, December 2023

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Toyota	LANDCRUISER	1,096	1,791	949	14,548	14,548
	Other/Not stated	352	493	52	3,657	3,657
	Total	1,448	2,284	1,001	18,205	18,205
Isuzu	NPR	263	258	200	3,604	3,604
	NLR	101	100	114	1,678	1,678
	FRR	94	66	60	1,268	1,268
	NQR	66	81	23	815	815
	NNR	58	86	134	1,601	1,601
	D-MAX	43	39	39	451	451
	Other/Not stated	75	96	34	697	697
	Total	700	726	604	10,114	10,114
LDV	DELIVER 9	333	399	361	4,673	4,673
	Other/Not stated	1	1	0	4	4
	Total	334	400	361	4,677	4,677
Mercedes-Benz	SPRINTER	258	417	599	4,235	4,235
	Other/Not stated	39	12	0	185	185
	Total	297	429	599	4,420	4,420
Fuso	CANTER	156	115	145	3,083	3,083
	FIGHTER	43	58	20	584	584
	Other/Not stated	13	9	0	134	134
	Total	212	182	165	3,801	3,801
Ford	RANGER	85	90	43	1,169	1,169
	Other/Not stated	89	229	2	888	888
	Total	174	319	45	2,057	2,057
Fiat	DUCATO	137	302	164	2,691	2,691
	Other/Not stated	7	15	0	309	309
	Total	144	317	164	3,000	3,000
Hino	300	81	224	176	3,544	3,544
	FC SERIES	17	18	0	369	369
	FD SERIES	6	23	0	432	432
	Other/Not stated	2	4	0	69	69
	Total	106	269	176	4,414	4,414
IVECO	DAILY	34	96	120	1,829	1,829
	Other/Not stated	69	30	2	277	277
	Total	103	126	122	2,106	2,106
Chevrolet	T1XCH1	76	52	34	936	936
	T1XCH2	12	10	14	362	362
	Other/Not stated	14	7	0	65	65
	Total	102	69	48	1,363	1,363
RAM	1500 TRX	57	34	85	457	457
	1500	5	4	17	122	122
	Other/Not stated	24	14	14	128	128
	Total	86	52	116	707	707
Volkswagen	CRAFTER	75	63	52	1,214	1,214
	Other/Not stated	0	2	1	19	19
	Total	75	65	53	1,233	1,233
Dodge	RAM D1	65	69	4	1,224	1,224
	Other/Not stated	3	9	2	118	118
	Total	68	78	6	1,342	1,342
Renault	MASTER	62	136	149	1,950	1,950
	Other/Not stated	4	0	0	4	4
	Total	66	136	149	1,954	1,954
Nissan	PATROL	20	34	15	298	298
	Total	20	34	15	298	298

(continued)

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

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Hyundai	QT-1	10	8	6	116	116
	QT-2	8	7	6	97	97
	Other/Not stated	0	8	4	78	78
	Total	18	23	16	291	291
Foton	AUMARK	10	11	1	54	54
	IBLUE	5	6	0	76	76
	Other/Not stated	0	0	0	32	32
	Total	15	17	1	162	162
Mazda	BT-50	2	14	14	166	166
	Other/Not stated	9	22	0	74	74
	Total	11	36	14	240	240
GMC	Other/Not stated	2	0	0	12	12
	Total	2	0	0	12	12
Dulevo	6000	1	0	0	1	1
	Total	1	0	0	1	1
All other makes	Total	120	210	0	1,035	1,035
Total	Total	4,102	5,772	3,655	61,432	61,432

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, December 2023

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Kenworth	T610	82	96	100	955	955
	T909	52	55	83	667	667
	K200	40	57	85	943	943
	W900	19	31	39	328	328
	T659	18	30	47	341	341
	T410	17	14	39	286	286
	K220	17	23	4	136	136
	Other/Not stated	42	50	61	540	540
	Total	287	356	458	4,196	4,196
Isuzu	FSR	69	78	80	1,107	1,107
	FVZ	60	69	54	815	815
	FVM	43	40	16	548	548
	FXZ	28	28	19	456	456
	FYH	26	25	49	751	751
	FVR	18	20	19	357	357
	Other/Not stated	25	27	20	464	464
	Total	269	287	257	4,498	4,498
Volvo	FM SERIES	90	142	90	1,366	1,366
	FH SERIES	67	146	88	1,919	1,919
	FE SERIES	40	32	29	467	467
	Other/Not stated	25	89	4	300	300
	Total	222	409	211	4,052	4,052
UD	GWB	48	29	18	481	481
	CWB	25	8	14	182	182
	CDB	19	6	3	105	105
	CGB	14	23	12	262	262
	Other/Not stated	7	32	8	194	194
	Total	113	98	55	1,224	1,224
Scania	R SERIES	55	53	23	559	559
	G SERIES	24	49	19	494	494
	P SERIES	20	20	29	336	336
	Other/Not stated	4	0	10	17	17
	Total	103	122	81	1,406	1,406
Fuso	FV SERIES	42	43	21	663	663
	FIGHTER	38	43	12	508	508
	FS SERIES	11	10	3	113	113
	Other/Not stated	3	0	0	8	8
	Total	94	96	36	1,292	1,292
Mack	SUPERLINER	32	43	39	378	378
	ANTHEM	18	40	14	268	268
	METROLINER	17	10	13	207	207
	TRIDENT	12	22	19	264	264
	Other/Not stated	4	7	0	18	18
	Total	83	122	85	1,135	1,135
DAF	CF17	42	114	15	931	931
	XF17	19	8	15	207	207
	Other/Not stated	9	7	0	88	88
	Total	70	129	30	1,226	1,226
Mercedes-Benz	96X	51	102	40	1,148	1,148
	Other/Not stated	18	18	5	148	148
	Total	69	120	45	1,296	1,296
Sinotruk	T5G	52	19	0	288	288
	C7H	14	4	0	157	157
	Other/Not stated	0	1	0	3	3
	Total	66	24	0	448	448
Freightliner	CASCADIA	29	26	10	390	390
	Other/Not stated	6	0	0	13	13
	Total	35	26	10	403	403

(continued)

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

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
MAN	TGA	21	42	33	424	424
	TGM	5	20	0	123	123
	Other/Not stated	3	3	0	9	9
	Total	29	65	33	556	556
Hino	FG	8	2	15	78	78
	FE SERIES	7	69	3	716	716
	FY SERIES	3	7	4	58	58
	FM SERIES	3	19	21	274	274
	FL SERIES	3	18	5	168	168
	FS SERIES	2	12	13	122	122
	Other/Not stated	2	70	40	681	681
	Total	28	197	101	2,097	2,097
IVECO	S-WAY	7	23	0	222	222
	EUROCARGO	3	7	11	119	119
	Other/Not stated	15	8	24	171	171
	Total	25	38	35	512	512
Western Star	X-SERIES	12	22	0	163	163
	Other/Not stated	0	4	0	7	7
	Total	12	26	0	170	170
All other makes	Total	32	18	39	1,012	1,012
Total	Total	1,537	2,133	1,476	25,523	25,523

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, December 2023

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Toyota	COMMUTER	136	204	129	2,544	2,544
	COASTER	11	17	24	342	342
	Total	147	221	153	2,886	2,886
Fuso	ROSA	34	35	21	282	282
	Total	34	35	21	282	282
LDV	DELIVER 9	26	86	44	295	295
	Total	26	86	44	295	295
Volgren	2 AXLE OMNIBUS	18	29	27	370	370
	ARTICULATED OMNIBUS	1	2	1	12	12
	Total	19	31	28	382	382
Yutong	ZK6772D	8	11	7	107	107
	ZK6137	4	8	0	19	19
	ZK6938H	2	2	2	31	31
	ZK6129HCA	2	6	1	52	52
	Other/Not stated	0	0	0	25	25
	Total	16	27	10	234	234
Custom Bus	ELEMENT	11	4	5	61	61
	Other/Not stated	0	5	3	57	57
	Total	11	9	8	118	118
Scania	TOURING	7	2	0	33	33
	A30	4	1	5	7	7
	Total	11	3	5	40	40
BCI	PK6850ARI	2	0	0	14	14
	PK6127A	2	5	4	65	65
	PK6120AG	2	0	0	18	18
	PK6930A	1	1	1	6	6
	Other/Not stated	0	0	0	9	9
	Total	7	6	5	112	112
Isuzu	NPS	4	4	3	31	31
	Other/Not stated	0	4	2	39	39
	Total	4	8	5	70	70
Mercedes-Benz	SPRINTER	3	6	2	57	57
	AROCS	1	0	0	3	3
	Other/Not stated	0	0	0	4	4
	Total	4	6	2	64	64
Express Coach Builders	OMNIBUS	4	3	2	36	36
	Total	4	3	2	36	36
Coach Design	COLT	3	0	3	20	20
	Total	3	0	3	20	20
Irizar	COACH	2	23	11	170	170
	Total	2	23	11	170	170
Hino	GT500	2	0	0	7	7
	Other/Not stated	0	0	0	0	0
	Total	2	0	0	7	7
Bustech	VST	2	0	2	23	23
	Other/Not stated	0	0	2	15	15
	Total	2	0	4	38	38
Coach Concepts	EXPLORER	1	1	1	20	20
	Total	1	1	1	20	20
King Long	6911AY	1	3	6	42	42
	Other/Not stated	0	7	4	41	41
	Total	1	10	10	83	83
Volvo	B8R	1	0	0	4	4
	Total	1	0	0	4	4

(continued)

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

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Norden	COMMUTER	0	3	1	20	20
	Total	0	3	1	20	20
Foton	BJ6129	0	1	0	2	2
	Total	0	1	0	2	2
All other makes	Total	0	7	3	95	95
Total	Total	295	480	316	4,978	4,978

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, December 2023

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
KTM	4T-EXC	814	79	594	2,675	2,675
	ADVENTURE	334	127	46	2,471	2,471
	2T-EXC	265	300	209	1,650	1,650
	Other/Not stated	135	0	33	2,217	2,217
	Total	1,548	506	882	9,013	9,013
Yamaha	MTN660	295	181	85	1,201	1,201
	WR SERIES	197	224	98	1,476	1,476
	YZF	187	226	88	1,404	1,404
	YZF320	156	170	104	862	862
	GPD150	124	156	52	452	452
	Other/Not stated	183	844	784	5,609	5,609
	Total	1,142	1,801	1,211	11,004	11,004
Harley-Davidson	CRU SERIES	133	127	111	4,128	4,128
	FLH SERIES	95	50	173	1,057	1,057
	Other/Not stated	416	18	72	778	778
	Total	644	195	356	5,963	5,963
Husqvarna	FE	190	206	352	1,014	1,014
	TE	126	6	182	697	697
	701	67	15	4	346	346
	N SERIES	40	5	0	494	494
	Other/Not stated	1	74	0	564	564
	Total	424	306	538	3,115	3,115
Kawasaki	EN650	70	76	192	850	850
	KL650	69	30	24	512	512
	EX650	53	85	243	269	269
	ZX1000	42	31	39	233	233
	ZX636	37	4	10	97	97
	ZR900	25	48	40	466	466
	Other/Not stated	80	126	516	2,886	2,886
	Total	376	400	1,064	5,313	5,313
Honda	CRF300	48	126	0	1,443	1,443
	Other/Not stated	274	307	398	8,748	8,748
	Total	322	433	398	10,191	10,191
GASGAS	EC SERIES	224	141	2	639	639
	LC4 SERIES	21	0	44	218	218
	Other/Not stated	1	0	0	1	1
	Total	246	141	46	858	858
Triumph	L SERIES	27	26	68	437	437
	DX SERIES	15	13	20	163	163
	Other/Not stated	198	124	87	1,357	1,357
	Total	240	163	175	1,957	1,957
Kymco	AGILITY SERIES	132	0	30	944	944
	LIKE SERIES	85	30	16	797	797
	Other/Not stated	0	78	0	529	529
	Total	217	108	46	2,270	2,270
BMW	S1000	51	30	27	720	720
	K50	46	33	50	1,100	1,100
	K8X	35	22	17	459	459
	R18	34	1	1	235	235
	G310	24	45	4	298	298
	Other/Not stated	21	27	8	477	477
	Total	211	158	107	3,289	3,289

(continued)

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

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Suzuki	UK110	62	184	78	1,012	1,012
	DR-Z400	32	41	70	532	532
	DS250	29	30	0	299	299
	GSX1300	20	55	14	161	161
	DL650	14	8	17	163	163
	GSX-S1000	12	26	16	278	278
	Other/Not stated	33	151	86	1,017	1,017
	Total	202	495	281	3,462	3,462
Royal Enfield	J1	117	0	181	805	805
	CNEX	50	0	0	1,135	1,135
	HIMALAYAN	9	0	0	200	200
	Total	176	0	181	2,140	2,140
Pista	PISTA125	100	0	0	150	150
	PISTA50	50	0	0	150	150
	Total	150	0	0	300	300
CFMoto	Other/Not stated	124	96	200	1,867	1,867
	Total	124	96	200	1,867	1,867
Ducati	3F	29	10	68	188	188
	3D	23	31	116	200	200
	1X	21	32	38	244	244
	PANIGALE	15	56	53	329	329
	Other/Not stated	16	88	214	1,058	1,058
	Total	104	217	489	2,019	2,019
Indian	SCOUT	42	38	101	659	659
	CHIEF	25	0	1	187	187
	FTR	18	12	6	183	183
	CHALLENGER	14	0	1	164	164
	Other/Not stated	0	41	1	518	518
	Total	99	91	110	1,711	1,711
Fonzarelli	Other/Not stated	48	0	0	93	93
	Total	48	0	0	93	93
Beta	RR	38	34	45	462	462
	Other/Not stated	0	12	40	287	287
	Total	38	46	85	749	749
Sherco	S6	38	0	48	465	465
	Total	38	0	48	465	465
Vespa	Other/Not stated	36	36	285	629	629
	Total	36	36	285	629	629
All other makes	Total	103	356	324	4,077	4,077
Total	Total	6,488	5,548	6,826	70,485	70,485

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, December 2023

Month	Vehicle type									Total
	Passen- ger vehicles	Light com- mercial vehicles	Medium goods vehicles	Heavy goods vehicles	Motor- cycles	Light trailers	Medium trailers	Heavy trailers	Not stated	
Dec 2023	1,386	260	30	24	0	326	63	13	487	2,589
Nov 2023	1,522	371	31	4	0	371	73	21	646	3,039
Oct 2023	1,383	331	19	3	0	302	53	12	706	2,809
Sep 2023	1,163	368	18	45	0	409	92	14	1,106	3,215
Aug 2023	1,476	185	18	13	0	322	70	14	1,184	3,282
Jul 2023	906	77	12	426	1	128	15	10	967	2,542
Jun 2023	804	39	11	196	0	235	8	17	2,817	4,127
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

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, December 2023

Year of Manufacture	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
2022	71	91	67	1,067	1,067
2021	54	69	20	674	674
2020	59	72	15	477	477
2019	90	94	21	635	635
2018	291	331	37	1,921	1,921
2017	209	277	127	2,495	2,495
2016	121	136	43	1,142	1,142
2015	138	122	54	1,308	1,308
2014	142	195	70	1,528	1,528
2013	98	124	58	1,104	1,104
2012	106	123	46	1,267	1,267
2011	57	53	39	718	718
2001-2010	350	376	307	4,497	4,497
1991-2000	156	239	89	2,459	2,459
1981-1990	76	109	43	981	981
1971-1980	72	68	43	1,067	1,067
1961-1970	53	75	37	812	812
1951-1960	17	22	19	423	423
1900-1950	16	18	5	328	328
Pre-1900	1	0	0	4	4
Other/Not stated	412	445	1	2,834	2,834
Total	2,589	3,039	1,141	27,741	27,741

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.

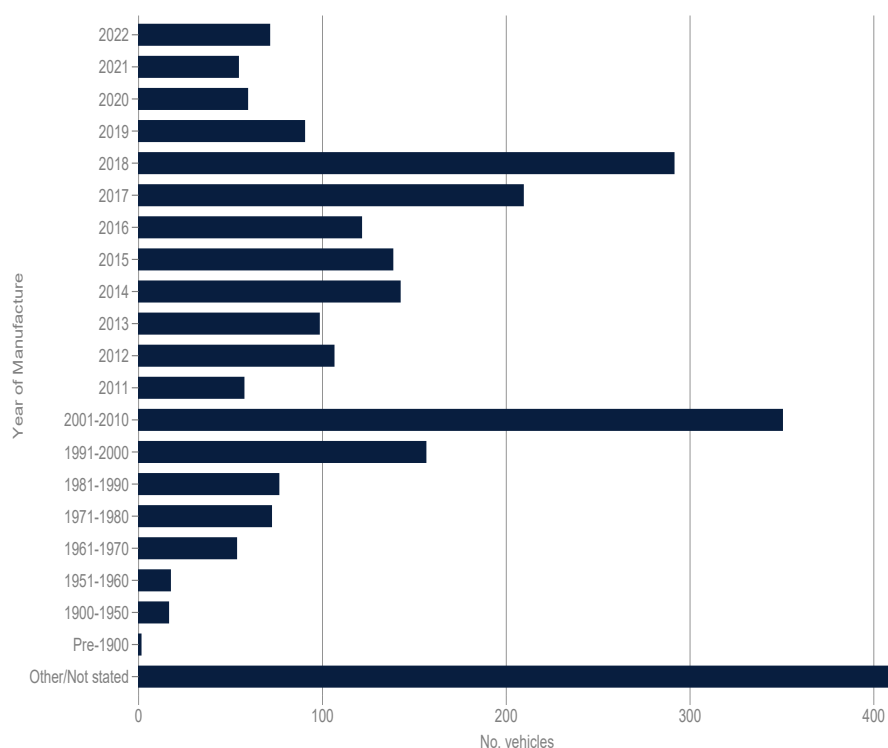
Figure 12 Concessional approval RAV entries, by vehicle build year, December 2023

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

Month	SEV approval criterion							Total
	Camper-vans and Motor-homes	Environ-mental	Left-Hand Drive	Mobility	Perfor-mance	Rarity	Not stated	
Dec 2023	206	935	37	243	246	7	0	1,674
Nov 2023	353	1000	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	196	189	11	25	994
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, December 2023

Month	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Not stated	Total
Dec 2023	173	2,855	1,072	108	22	0	4,230
Nov 2023	234	3,062	1,238	155	29	0	4,718
Oct 2023	141	3,593	1,300	139	23	1	5,197
Sep 2023	130	5,576	1,043	42	21	0	6,812
Aug 2023	166	3,927	1,293	40	39	0	5,465
Jul 2023	120	3,027	971	30	37	0	4,185
Jun 2023	152	2,841	1,088	20	22	0	4,123
May 2023	143	3,044	998	29	32	0	4,246
Apr 2023	82	2,262	657	6	19	0	3,026
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	10	0	0	0	0	10

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, December 2023

Make	Model	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
Toyota	HILUX	2,239	2,569	1,685	31,397	31,397
	LANDCRUISER PRADO	16	30	9	267	267
	HIACE	12	23	13	171	171
	COMMUTER	12	17	8	163	163
	LANDCRUISER	11	17	89	462	462
	Other/Not stated	293	447	3	2,973	2,973
	Total	2,583	3,103	1,807	35,433	35,433
Nissan	NAVARA	228	194	209	2,707	2,707
	PATROL	20	34	15	298	298
	Other/Not stated	87	103	0	195	195
	Total	335	331	224	3,200	3,200
Ford	RANGER	186	213	83	2,594	2,594
	Other/Not stated	108	72	3	387	387
	Total	294	285	86	2,981	2,981
Isuzu	D-MAX	130	115	99	1,405	1,405
	MU-X	27	24	23	364	364
	NPS	25	30	24	312	312
	Other/Not stated	52	65	10	441	441
	Total	234	234	156	2,522	2,522
Mercedes-Benz	SPRINTER	127	79	177	1,326	1,326
	Other/Not stated	49	20	0	222	222
	Total	176	99	177	1,548	1,548
Mitsubishi	TRITON	14	11	5	135	135
	Other/Not stated	120	4	0	501	501
	Total	134	15	5	636	636
Fiat	DUCATO	98	153	63	1,131	1,131
	Other/Not stated	7	15	0	245	245
	Total	105	168	63	1,376	1,376
IVECO	Other/Not stated	71	29	27	479	479
	Total	71	29	27	479	479
Mazda	BT-50	57	68	31	676	676
	Other/Not stated	10	22	0	90	90
	Total	67	90	31	766	766
Renault	MASTER	34	60	27	431	431
	Other/Not stated	4	1	0	12	12
	Total	38	61	27	443	443
All other makes	Total	193	303	143	1,924	1,924
Total	Total	4,230	4,718	2,746	51,308	51,308

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, December 2023^a

Rank	Make	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
1	Jayco	674	872	918	10,549	10,549
2	Regent RV Pty Ltd	298	285	209	2,981	2,981
3	Austrack Campers	253	172	0	1,564	1,564
4	Ezytrail	160	283	0	1,605	1,605
5	Market Direct Campers	145	210	0	1,923	1,923
6	JB Caravans	109	71	0	861	861
7	Network RV	107	104	0	890	890
8	Crusader Caravans	99	200	0	1,107	1,107
9	New Age Caravans	88	128	0	1,069	1,069
10	Urban Caravans	70	39	0	319	319
11	Stoney Creek Campers	66	82	0	852	852
12	Leader	65	82	0	578	578
13	Design RV	64	50	0	643	643
14	Viscount	40	48	0	399	399
15	Lumberjack Camper Trailers	38	29	0	375	375
16	Adventure Kings	37	85	50	645	645
17	Zone RV	37	39	0	234	234
18	Millard	36	48	0	333	333
19	Supreme	35	74	0	639	639
20	Retreat	33	25	0	258	258
21	Other makes	1,259	1,875	48	14,482	14,482
Total	-	3,713	4,801	1,225	42,306	42,306

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, December 2023^a

Tare weight	Dec 2023	Nov 2023	Dec 2022	Year to date	Last 12 months
<= 500kg	51	50	0	340	340
500-1000kg	132	175	70	1,381	1,381
1000-1500kg	347	426	258	4,674	4,674
1500-2000kg	525	753	239	6,955	6,955
2000-2500kg	1,418	1,929	425	16,856	16,856
2500-3000kg	1,103	1,347	233	11,067	11,067
3000-5000kg	136	121	0	1,021	1,021
> 5000kg	1	0	0	11	11
Not stated	0	0	0	1	1
Total	3,713	4,801	1,225	42,306	42,306

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, December 2021 to December 2023

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
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
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

Sources: ROVER and BITRE estimates.

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

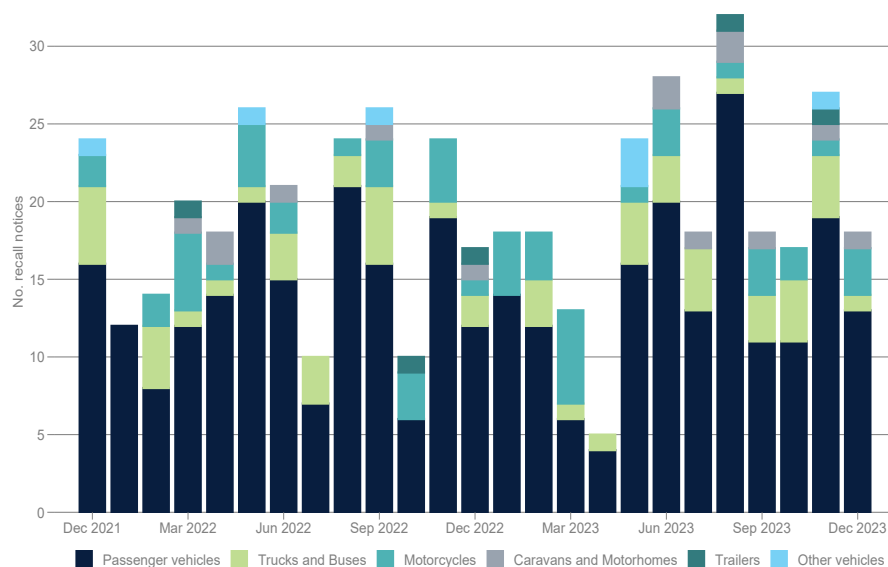
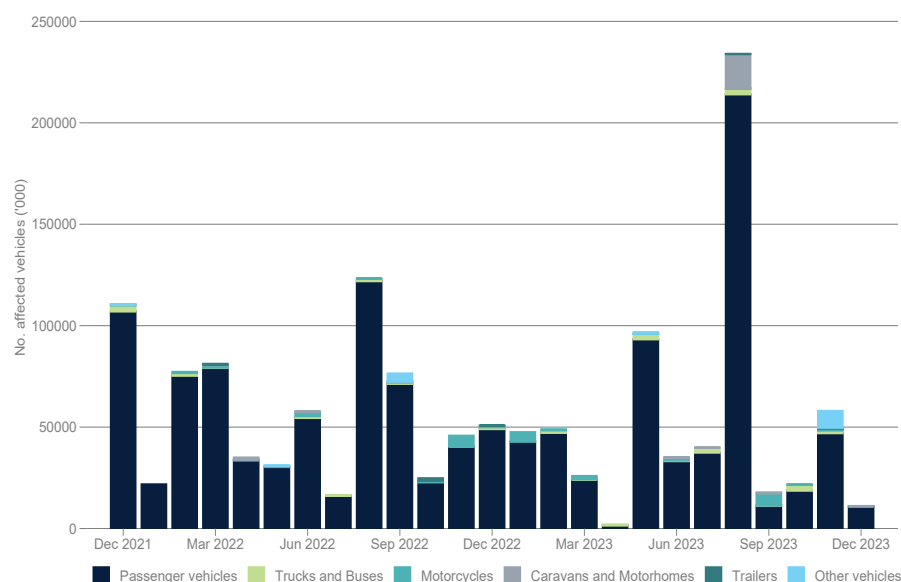


Table 2 Vehicle recalls, total vehicles affected, by month of issue, December 2021 to December 2023

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
Dec 2023	10,876	0	185	0	0	0	11,061
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

Sources: ROVER and BITRE estimates.

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

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