



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

May 2024

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May 2024

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

Canberra, Australia

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ISSN: 2981-9903 (Online)

June 2024

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An appropriate citation for this report is:

Bureau of Infrastructure and Transport Research Economics (BITRE) 2024, *Road vehicle entry and recall statistics, May 2024*, Statistical Report , BITRE Canberra, ACT.

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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

June 2024

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Highlights – May 2024

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

Register of Approved Vehicles (RAV) entries

- There were 144,230 road vehicles entered on the RAV in May 2024, 1.4 per cent higher than total entries in April 2024 (i.e. 142,191 vehicles).¹
- There were 141,080 type approval vehicles entered in May 2024, 1.2 per cent higher than total type approved vehicles entries in April 2024 (i.e. 139,430 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 3,150 vehicles in the month of May 2024, 14.1 per cent higher than concessional RAV approval entries in April 2024 (i.e. 2,761 vehicles).

Type approval RAV entries by vehicle category

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

- 87,814 passenger vehicle RAV entries, 0.8 per cent higher than in April 2024
- 23,563 light commercial vehicle (LCV) RAV entries, 4.3 per cent lower than in April 2024
- 4,688 medium goods vehicle RAV entries, 1.7 per cent higher than in April 2024
- 2,268 heavy goods vehicle RAV entries, 10.6 per cent higher than in April 2024
- 805 bus RAV entries, 65.6 per cent higher than in April 2024, and
- 6,545 motorcycle RAV entries, 8.6 per cent lower than in April 2024.

Type approval RAV entries by vehicle make

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

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

Concessional RAV entry approval vehicles

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

- 1,918 passenger vehicles
- 255 LCVs
- 45 medium goods vehicles
- 95 heavy goods vehicles, and
- 387 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 2,218 specialist and enthusiast vehicles (SEVs) entries on the RAV in May 2024.
- There were 1,357 SEV RAV entries in May 2024 under environmental criterion.

Second stage of manufacture (SSM) RAV entries

- There were 5,478 SSM RAV entries in May 2024, comprising:
 - 3,318 light commercial vehicles
 - 1,428 medium goods vehicles
 - 529 passenger vehicles, and
 - 203 other vehicles.

Type approval RAV entries by trailer category

In the month of May 2024 there were:

- 13,015 type approved light trailer RAV entries
- 674 type approved medium trailer RAV entries, and
- 1,708 type approved heavy trailer RAV entries.

Type approved trailer RAV entries included approximately 4,324 caravans and camper trailers in the month of May 2024.²

Vehicle recall notices

- In May 2024 there were 19 recall notices published on the Department's website, covering approximately 4,492 vehicles.
- As at 31 May 2024 there were 5,012 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 – 3,277 notices (covering 19,021,502 vehicles)
 - Trucks and buses – 795 notices (covering 559,238 vehicles)
 - Motorcycles – 802 notices (covering 490,687 vehicles)
 - Caravans/motorhomes – 70 notices (covering 44,460 vehicles)
 - Trailers – 39 notices (covering 18,905 vehicles)
 - Other vehicles (not elsewhere specified) – 29 notices (covering 154,779 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 May 2024.

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

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

RAV entries and vehicle sales

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

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

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

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

Road vehicle classes and classifications

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

- Passenger vehicles (excluding omnibuses)
- Light commercial vehicles (LCVs)
- Medium goods vehicles (MGVs)
- Heavy goods vehicles (HGVs)
- Light buses
- Heavy buses
- Motorcycles
- 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, May 2024^a

Month ^b	Approval category		Total ^c
	Type approval	Concessional approval	
May 2024	141,080	3,150	144,230
Apr 2024	139,430	2,761	142,191
Mar 2024	125,563	2,598	128,161
Feb 2024	128,636	3,059	131,695
Jan 2024	126,008	2,664	128,672
Dec 2023	110,856	2,585	113,441
Nov 2023	142,454	3,034	145,488
Oct 2023	141,165	2,806	143,971
Sep 2023	139,483	3,211	142,694
Aug 2023	152,605	3,280	155,885
Jul 2023	140,809	2,538	143,347
Jun 2023	133,424	4,123	137,547
May 2023	137,608	1,616	139,224
Apr 2023	99,850	1,161	101,011
Mar 2023	111,767	1,129	112,896
Feb 2023	92,519	1,135	93,654
Jan 2023	101,366	1,095	102,461
Dec 2022	104,651	1,141	105,792
Nov 2022	105,559	1,700	107,259
Oct 2022	106,405	1,569	107,974
Sep 2022	102,931	1,512	104,443
Aug 2022	114,310	1,591	115,901
Jul 2022	99,494	1,263	100,757
Jun 2022	98,937	1,454	100,391
May 2022	97,115	1,005	98,120

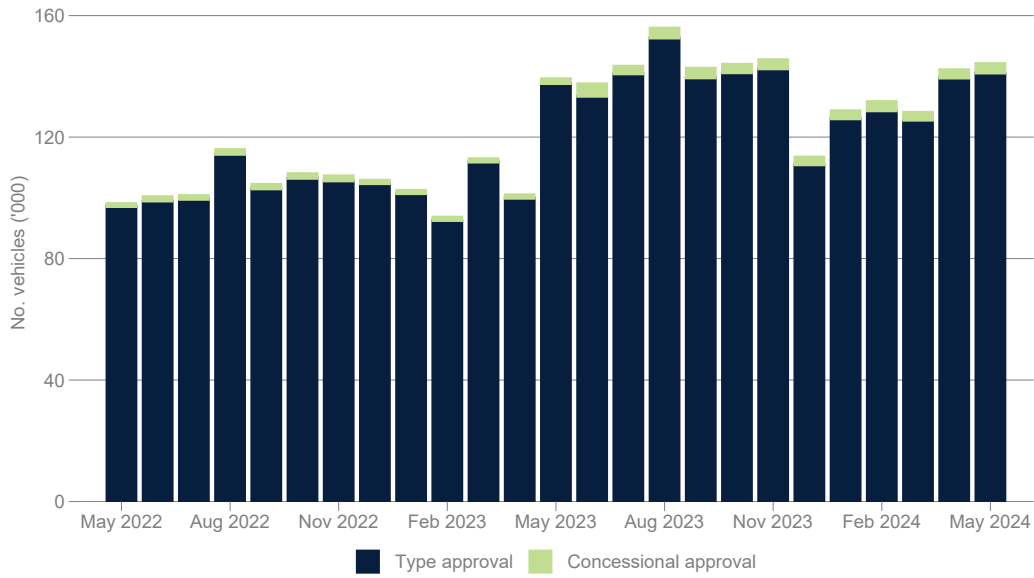
^a Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

^b 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).

^c Total excludes Second Stage of Manufacture vehicles.

Sources: RAV and BITRE estimates.

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



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

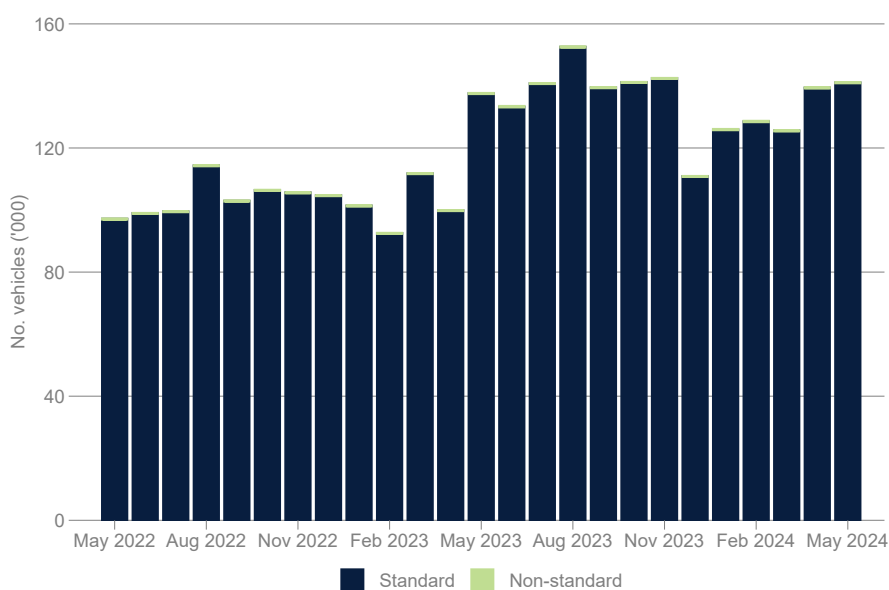
Table 2 Type approval RAV vehicle entries, by entry pathway and month, May 2024^a

Month ^b	Type approvals			Total ^c
	Standard	Non-standard	SSM	
May 2024	140,976	104	5,478	141,080
Apr 2024	139,310	120	4,440	139,430
Mar 2024	125,488	75	4,601	125,563
Feb 2024	128,444	192	5,264	128,636
Jan 2024	125,856	152	4,242	126,008
Dec 2023	110,795	61	4,140	110,856
Nov 2023	142,392	62	4,683	142,454
Oct 2023	141,088	77	5,161	141,165
Sep 2023	139,393	90	6,774	139,483
Aug 2023	152,474	131	5,440	152,605
Jul 2023	140,732	77	4,157	140,809
Jun 2023	133,198	226	4,099	133,424
May 2023	137,505	103	4,229	137,608
Apr 2023	99,783	67	3,022	99,850
Mar 2023	111,698	69	4,088	111,767
Feb 2023	92,450	69	2,732	92,519
Jan 2023	101,290	76	2,445	101,366
Dec 2022	104,606	45	2,740	104,651
Nov 2022	105,532	27	3,401	105,559
Oct 2022	106,304	101	4,011	106,405
Sep 2022	102,857	74	3,334	102,931
Aug 2022	114,239	71	2,396	114,310
Jul 2022	99,433	61	2,077	99,494
Jun 2022	98,880	57	2,495	98,937
May 2022	97,051	64	2,354	97,115

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

^b 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).

^c Total excludes Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

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

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

Table 3 Concessional RAV entry approval vehicle entries, by entry pathway and month, May 2024^a

Month ^b	Concessional RAV entry approvals							Total ^d
	RAWS-SEV ^c	RAWS-SSM ^c	Trailer	Older vehicle	SPV ^c	Personal	RAV suitable	
May 2024	2,218	0	386	344	96	86	20	3,150
Apr 2024	1,818	0	373	445	27	64	34	2,761
Mar 2024	1,742	0	334	300	88	88	46	2,598
Feb 2024	1,986	0	428	419	67	118	41	3,059
Jan 2024	1,660	0	386	469	24	102	23	2,664
Dec 2023	1,674	1	398	328	26	138	21	2,585
Nov 2023	1,924	2	460	464	4	143	39	3,034
Oct 2023	1,733	5	364	432	3	154	120	2,806
Sep 2023	1,543	0	513	750	52	136	217	3,211
Aug 2023	1,679	1	405	478	13	144	561	3,280
Jul 2023	993	10	153	432	426	113	421	2,538
Jun 2023	842	19	260	1,897	206	336	582	4,123
May 2023	717	16	57	171	5	103	563	1,616
Apr 2023	473	0	32	188	112	105	251	1,161
Mar 2023	456	4	21	143	11	76	422	1,129
Feb 2023	502	3	18	109	15	32	459	1,135
Jan 2023	404	31	13	122	4	47	505	1,095
Dec 2022	422	4	45	221	7	52	394	1,141
Nov 2022	394	2	64	433	27	110	672	1,700
Oct 2022	288	6	55	555	31	117	523	1,569
Sep 2022	195	1	71	618	28	139	461	1,512
Aug 2022	265	2	80	462	48	121	615	1,591
Jul 2022	161	0	94	508	17	111	372	1,263
Jun 2022	99	0	54	709	62	108	422	1,454
May 2022	66	0	35	478	36	100	290	1,005

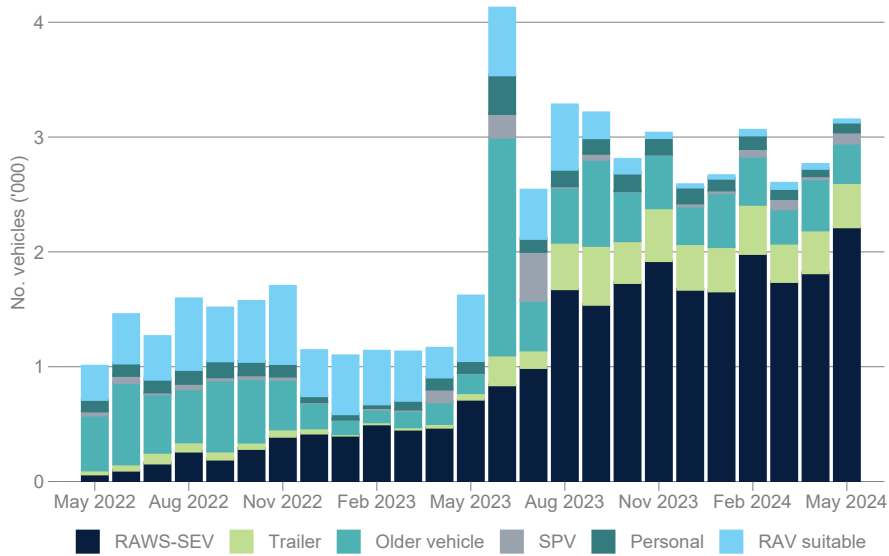
^a Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

^b 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).

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

^d Total excludes Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

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



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

Type approval RAV entries by vehicle class

Table 4 Type approval RAV entries, motor vehicles, by vehicle type and month, May 2024^a

Month ^b	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Motorcycles	Total ^c
May 2024	87,814	23,563	4,688	2,268	805	6,545	125,683
Apr 2024	87,077	24,619	4,608	2,051	486	7,157	125,998
Mar 2024	76,207	23,035	3,680	2,089	278	4,959	110,248
Feb 2024	77,507	24,001	4,533	2,149	359	4,878	113,427
Jan 2024	78,241	23,394	4,422	1,801	394	4,022	112,274
Dec 2023	64,241	22,143	3,000	1,405	273	6,486	97,548
Nov 2023	80,348	31,581	4,503	1,974	451	5,548	124,405
Oct 2023	83,776	29,181	3,581	2,343	413	5,796	125,090
Sep 2023	81,497	30,989	4,335	2,155	353	4,569	123,898
Aug 2023	96,802	25,084	5,378	2,323	362	6,956	136,905
Jul 2023	84,308	22,822	4,239	1,828	379	5,125	118,701
Jun 2023	80,556	23,105	4,917	2,202	523	5,582	116,885
May 2023	95,220	22,000	4,676	2,465	601	5,939	130,901
Apr 2023	68,353	17,440	3,216	1,669	442	5,176	96,296
Mar 2023	73,349	20,966	4,284	1,959	359	6,910	107,827
Feb 2023	61,103	15,550	3,947	1,944	251	6,608	89,403
Jan 2023	69,444	18,486	3,677	1,752	261	5,772	99,392
Dec 2022	70,144	20,442	3,040	1,420	300	6,826	102,172
Nov 2022	72,786	18,993	3,347	1,544	350	5,600	102,620
Oct 2022	67,521	22,227	3,660	1,580	331	7,672	102,991
Sep 2022	63,568	24,803	3,127	1,823	328	6,695	100,344
Aug 2022	76,226	24,236	3,100	2,010	413	5,276	111,261
Jul 2022	62,470	25,180	3,076	2,059	349	4,678	97,812
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

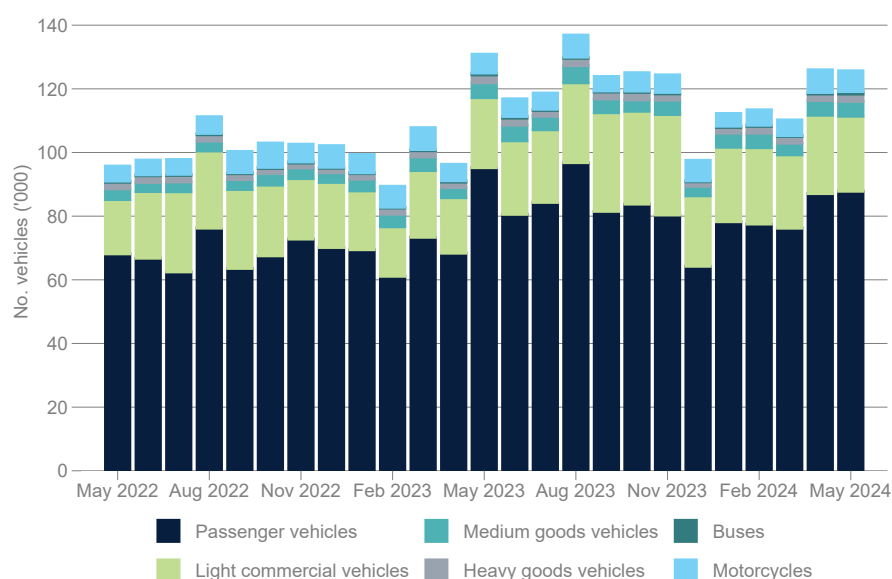
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^c Total excludes Second Stage of Manufacture vehicles.

Sources: RAV and BITRE estimates.

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



Sources: RAV and BITRE estimates.

Table 5 Type approval RAV entries, trailers, by vehicle type and month, May 2024^a

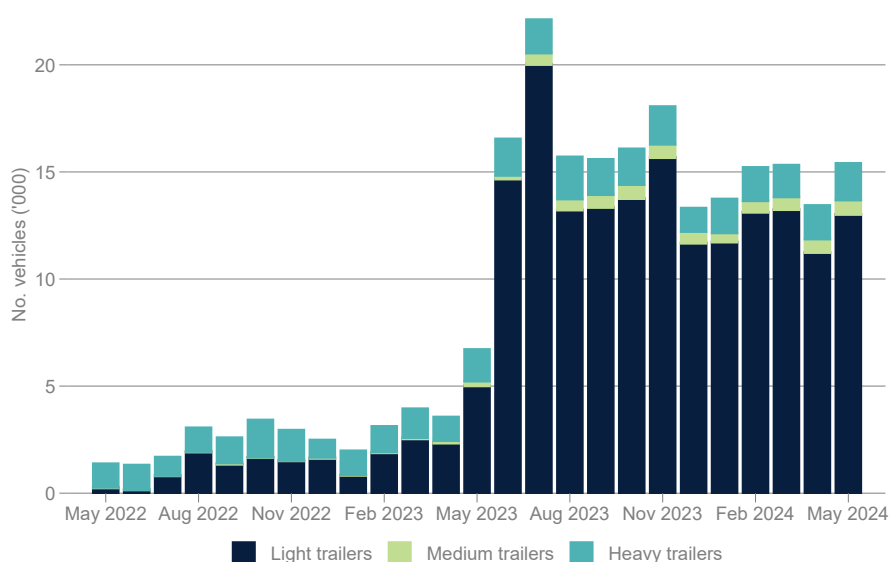
Month ^b	Light trailers	Medium trailers	Heavy trailers	Total ^c
May 2024	13,015	674	1,708	15,397
Apr 2024	11,237	631	1,564	13,432
Mar 2024	13,240	596	1,479	15,315
Feb 2024	13,116	539	1,554	15,209
Jan 2024	11,725	431	1,578	13,734
Dec 2023	11,672	546	1,090	13,308
Nov 2023	15,668	625	1,756	18,049
Oct 2023	13,756	655	1,664	16,075
Sep 2023	13,341	601	1,643	15,585
Aug 2023	13,220	518	1,962	15,700
Jul 2023	20,016	536	1,556	22,108
Jun 2023	14,669	169	1,701	16,539
May 2023	5,011	220	1,476	6,707
Apr 2023	2,337	118	1,099	3,554
Mar 2023	2,536	61	1,343	3,940
Feb 2023	1,887	41	1,188	3,116
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

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

^b 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).

^c Total excludes Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

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



Sources: RAV and BITRE estimates.

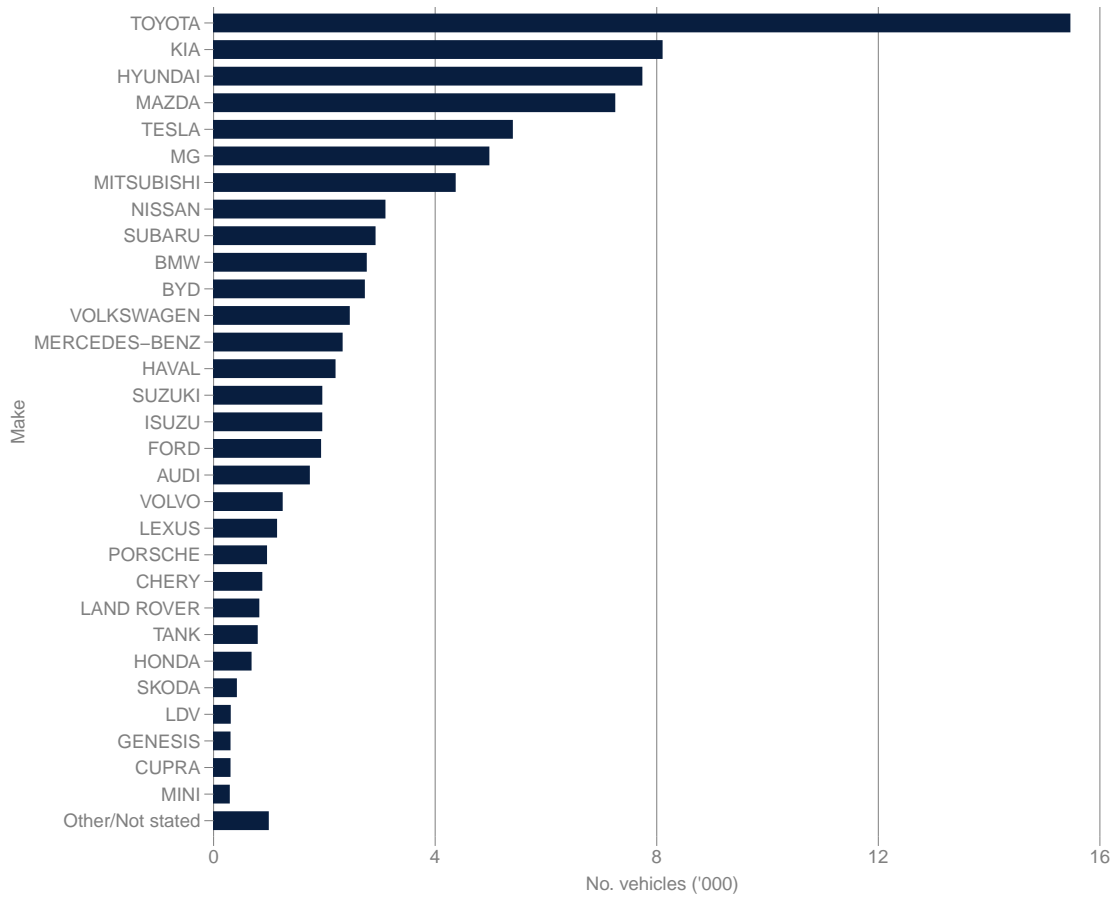
Type approval RAV entries by vehicle class and make

Table 6 Type approval RAV entries, passenger vehicles, top 30 makes, May 2024^a

Rank	Make	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
1	Toyota	15,442	15,473	11,489	69,044	163,024
2	Kia	8,080	9,940	6,222	42,173	86,959
3	Hyundai	7,715	4,603	8,847	28,519	73,979
4	Mazda	7,226	5,236	7,119	30,616	83,863
5	Tesla	5,377	7,490	9,808	24,407	48,701
6	MG	4,953	4,492	7,490	19,827	58,201
7	Mitsubishi	4,345	4,466	1,695	25,717	57,290
8	Nissan	3,077	2,672	1,035	14,543	41,833
9	Subaru	2,898	3,557	3,578	16,841	46,065
10	BMW	2,740	3,088	2,599	11,188	28,725
11	BYD	2,705	1,527	4,570	7,752	15,556
12	Volkswagen	2,433	2,075	4,607	9,932	29,512
13	Mercedes-Benz	2,304	1,959	2,169	8,390	21,876
14	Haval	2,176	2,509	3,347	11,175	25,318
15	Suzuki	1,937	1,363	1,719	9,193	18,599
16	Isuzu	1,936	3,533	1,085	12,714	21,243
17	Ford	1,915	2,925	1,495	12,172	25,955
18	Audi	1,712	2,223	2,371	8,646	18,858
19	Volvo	1,222	845	1,548	3,210	9,595
20	Lexus	1,120	742	2,423	4,722	12,615
21	Porsche	939	444	764	3,134	6,693
22	Chery	854	533	1,449	4,065	9,290
23	Land Rover	800	598	615	3,086	8,589
24	Tank	771	525	5	2,762	5,391
25	Honda	660	1,705	682	9,367	19,446
26	Skoda	395	469	1,150	2,253	6,950
27	LDV	284	151	593	982	3,641
28	Cupra	280	179	420	1,065	3,640
29	Genesis	280	145	457	700	1,882
30	MINI	267	235	573	1,293	3,701
31	Other/Not stated	971	1,375	3,296	7,358	21,384
Total	-	87,814	87,077	95,220	406,846	978,374

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

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

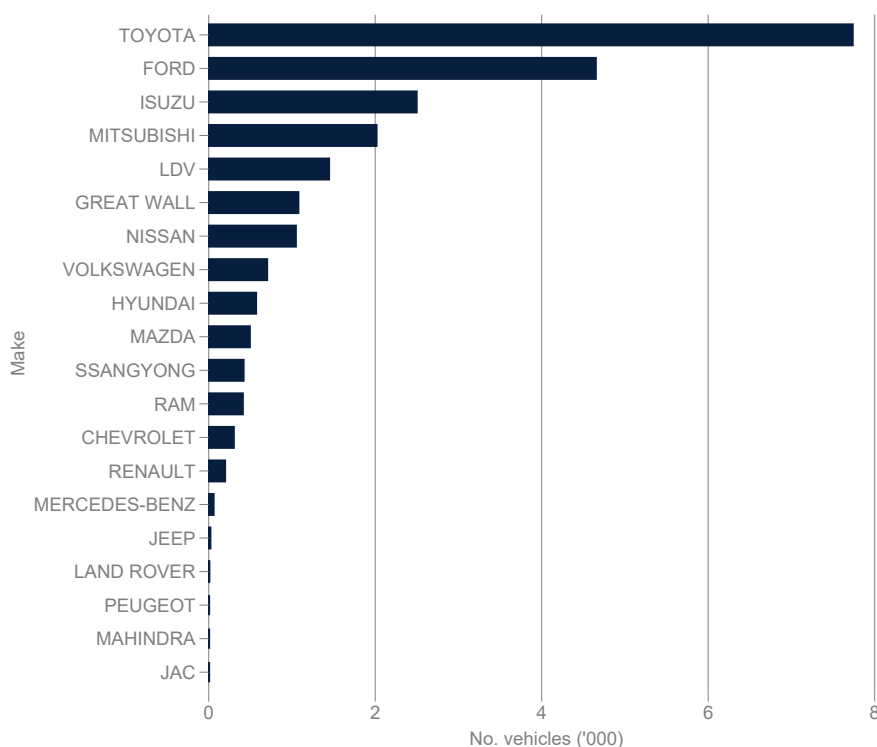


Sources: RAV and BITRE estimates.

Table 7 Type approval RAV entries, light commercial vehicles, top 20 makes, May 2024^a

Rank	Make	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
1	Toyota	7,731	5,900	6,906	31,591	77,063
2	Ford	4,645	7,353	2,634	33,472	83,934
3	Isuzu	2,493	2,635	2,310	13,587	38,562
4	Mitsubishi	2,011	2,393	2,434	9,199	21,814
5	LDV	1,441	943	1,443	4,302	12,302
6	Great Wall	1,072	577	931	3,586	8,485
7	Nissan	1,042	1,501	319	4,842	13,505
8	Volkswagen	697	1,405	874	5,014	12,704
9	Hyundai	564	395	163	2,303	3,649
10	Mazda	489	55	2,349	3,548	15,390
11	Ssangyong	414	670	598	2,584	4,387
12	RAM	405	381	339	2,085	5,070
13	Chevrolet	297	272	243	1,202	3,019
14	Renault	192	33	155	685	1,640
15	Mercedes-Benz	54	40	29	177	652
16	Jeep	15	36	26	82	331
17	Land Rover	1	0	0	1	7
18	Jac	0	0	0	5	5
19	Mahindra	0	0	0	0	0
20	Peugeot	0	30	247	347	998
Total	-	23,563	24,619	22,000	118,612	303,517

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

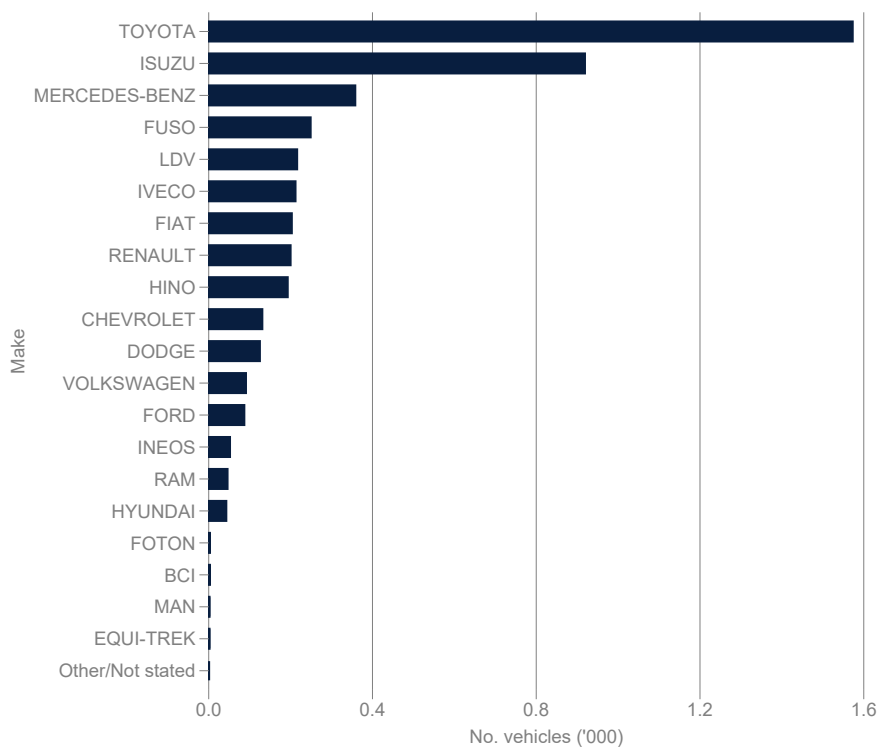
Figure 7 Type approval RAV entries, light commercial vehicles, top 20 makes, May 2024

Sources: RAV and BITRE estimates.

Table 8 Type approval RAV entries, medium goods vehicles, top 20 makes, May 2024^a

Rank	Make	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
1	Toyota	1,572	1,146	1,226	5,520	15,233
2	Isuzu	918	784	987	4,135	8,935
3	Mercedes-Benz	357	345	276	1,968	3,746
4	Fuso	248	208	227	1,251	3,002
5	LDV	215	326	670	1,365	3,985
6	IVECO	211	165	127	811	1,947
7	Fiat	202	209	166	918	1,911
8	Renault	199	214	199	1,044	2,242
9	Hino	192	260	299	1,415	3,422
10	Chevrolet	130	105	133	653	1,370
11	Dodge	124	104	162	530	1,361
12	Volkswagen	90	114	93	404	953
13	Ford	86	509	10	1,068	1,447
14	Ineos	51	36	1	356	1,243
15	RAM	45	30	30	148	396
16	Hyundai	42	36	37	171	343
17	BCI	2	0	0	2	2
18	Foton	2	0	30	86	180
19	Equi-Trek	1	0	3	4	5
20	MAN	1	3	0	4	10
21	Other/Not stated	0	14	0	78	151
Total	-	4,688	4,608	4,676	21,931	51,884

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

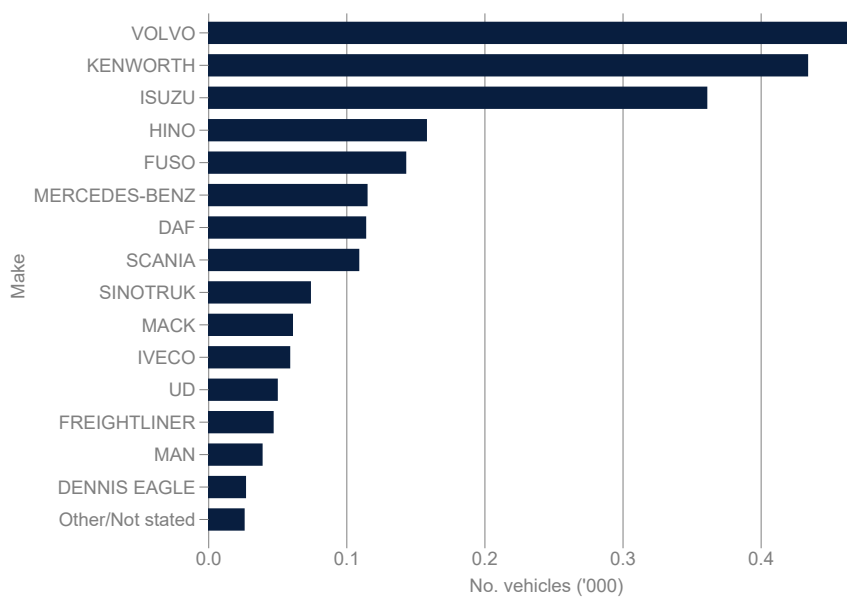
Figure 8 Type approval RAV entries, medium goods vehicles, top 20 makes, May 2024

Sources: RAV and BITRE estimates.

Table 9 Type approval RAV entries, heavy goods vehicles, top 15 makes, May 2024^a

Rank	Make	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
1	Volvo	466	273	327	1,478	3,673
2	Kenworth	433	346	621	1,670	4,199
3	Isuzu	360	336	398	1,896	4,391
4	Hino	157	255	130	938	2,014
5	Fuso	142	95	116	602	1,367
6	Mercedes-Benz	114	100	112	601	1,397
7	DAF	113	128	102	460	1,086
8	Scania	108	174	131	627	1,477
9	Sinotruk	73	21	63	248	497
10	Mack	60	56	113	398	1,116
11	IVECO	58	43	23	313	657
12	UD	49	106	230	424	1,075
13	Freightliner	46	16	28	177	399
14	MAN	38	46	35	226	653
15	Dennis Eagle	26	13	15	93	164
16	Other/Not stated	25	43	21	207	423
Total	-	2,268	2,051	2,465	10,358	24,588

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

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

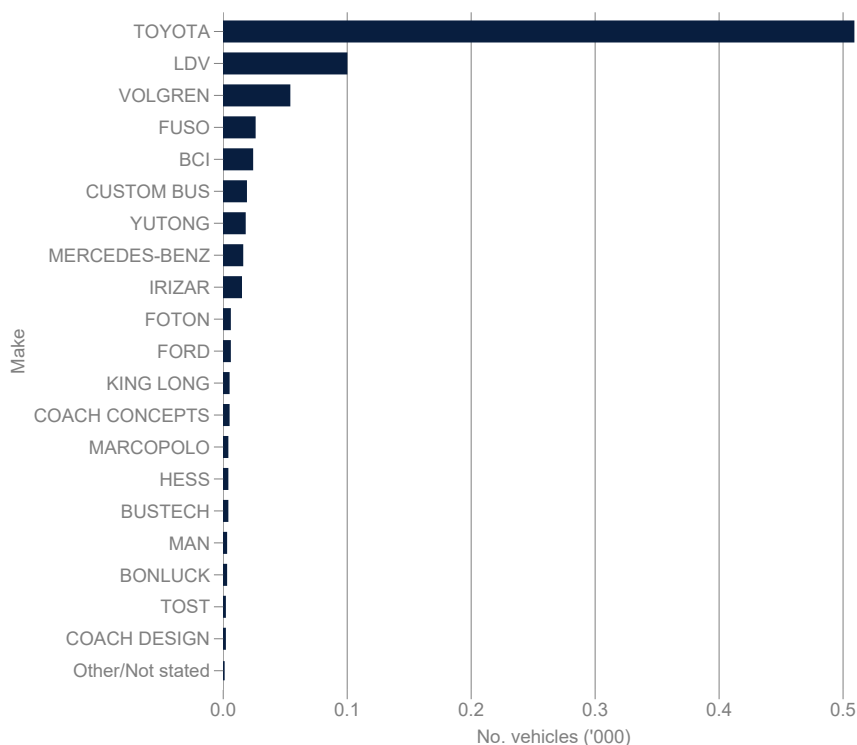
Sources: RAV and BITRE estimates.

Table 10 Type approval RAV entries, light and heavy buses, top 20 makes, May 2024^a

Rank	Make	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
1	Toyota	508	214	421	1,030	2,507
2	LDV	99	69	28	280	527
3	Volgren	53	49	46	211	431
4	Fuso	25	10	13	117	330
5	BCI	23	6	9	70	149
6	Custom Bus	18	11	12	50	118
7	Yutong	17	17	15	134	260
8	Mercedes-Benz	15	12	4	59	91
9	Irizar	14	18	22	101	194
10	Ford	5	51	0	75	75
11	Foton	5	0	1	5	6
12	Coach Concepts	4	3	2	14	24
13	King Long	4	7	14	50	108
14	Bustech	3	0	4	8	25
15	Hess	3	4	0	17	17
16	Marcopolo	3	0	0	9	30
17	Bonluck	2	4	1	17	30
18	MAN	2	1	0	3	4
19	Coach Design	1	1	1	6	19
20	Tost	1	0	1	2	3
21	Other/Not stated	0	9	7	64	128
Total	-	805	486	601	2,322	5,076

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

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

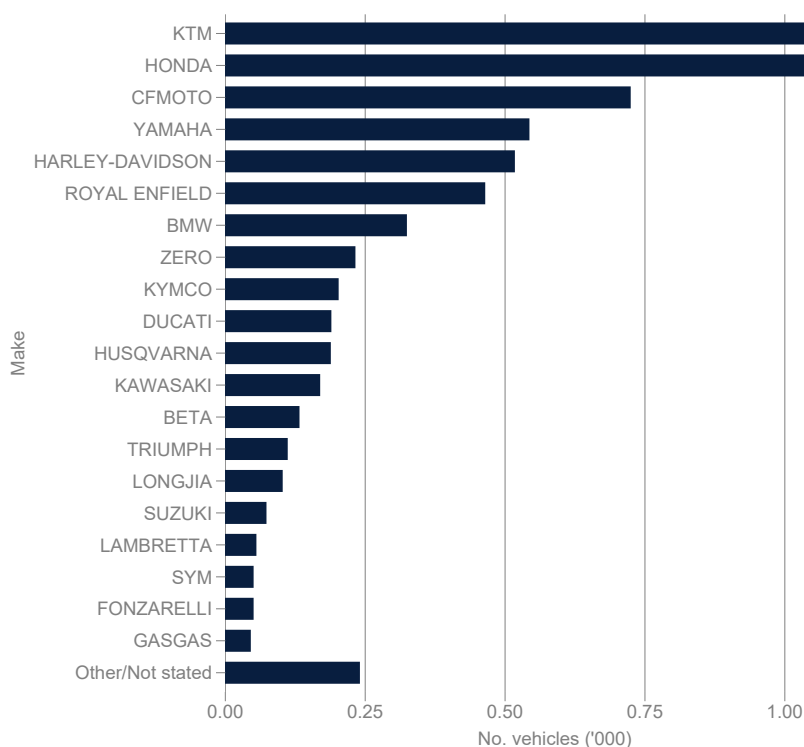


Sources: RAV and BITRE estimates.

Table 11 Type approval RAV entries, motorcycles, top 20 makes, May 2024^a

Rank	Make	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
1	KTM	1,122	894	587	2,214	8,009
2	Honda	1,051	1,162	470	4,762	11,744
3	CFMoto	722	420	266	1,830	2,495
4	Yamaha	541	692	806	3,218	9,593
5	Harley-Davidson	515	839	524	2,653	5,170
6	Royal Enfield	462	462	0	1,282	2,268
7	BMW	322	305	325	1,573	3,262
8	Zero	230	0	0	369	369
9	Kymco	200	12	269	836	2,194
10	Ducati	187	231	257	499	1,445
11	Husqvarna	186	295	159	640	2,616
12	Kawasaki	167	384	396	2,325	5,155
13	Beta	130	0	78	298	717
14	Triumph	109	416	92	1,575	2,495
15	Longjia	100	100	0	304	454
16	Suzuki	71	302	446	1,048	3,219
17	Lambretta	53	33	0	87	191
18	Fonzarelli	48	0	0	62	158
19	Sym	48	48	0	238	440
20	GASGAS	43	245	15	347	880
21	Other/Not stated	238	317	1,249	1,401	4,749
Total	-	6,545	7,157	5,939	27,561	67,623

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

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

Sources: RAV and BITRE estimates.

Type approval RAV entries by vehicle class, make and model

Table 12 Type approval RAV entries, passenger vehicles, top 25 makes and models, May 2024^a

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
Toyota	RAV4	5,052	6,146	2,700	23,231	42,259
	COROLLA	3,287	3,668	2,005	16,052	36,803
	CAMRY	2,980	2,831	862	11,062	19,216
	LANDCRUISER	1,326	1,261	1,351	6,487	15,812
	YARIS	1,116	910	501	4,504	10,355
	KLUGER	883	90	1,270	2,845	10,396
	Other/Not stated	798	567	2,800	4,863	28,183
	Total	15,442	15,473	11,489	69,044	163,024
Kia	SPORTAGE	2,015	1,598	1,232	10,132	20,373
	CERATO	1,929	2,630	369	8,909	13,303
	CARNIVAL	1,594	1,436	707	5,019	11,572
	SELTOS	892	687	1,431	4,366	9,821
	PICANTO	530	984	419	2,678	7,601
	SORENTO	407	1,422	386	5,901	9,989
	Other/Not stated	713	1,183	1,678	5,168	14,300
	Total	8,080	9,940	6,222	42,173	86,959
Hyundai	KONA	2,267	1,092	1,012	7,642	15,931
	TUCSON	1,431	1,800	2,983	7,406	20,947
	I30	1,114	658	2,366	5,709	17,413
	VENUE	692	507	638	2,756	6,263
	Other/Not stated	2,211	546	1,848	5,006	13,425
	Total	7,715	4,603	8,847	28,519	73,979
Mazda	CX-5	2,924	1,357	1,862	10,243	25,428
	CX-30	1,763	839	915	5,396	14,395
	CX-3	965	926	1,384	6,108	15,864
	MAZDA 3	626	952	715	4,368	10,066
	CX-60	565	469	661	1,293	4,896
	Other/Not stated	383	693	1,582	3,208	13,214
	Total	7,226	5,236	7,119	30,616	83,863
Tesla	MODEL 3	3,494	2,902	1,165	11,201	19,225
	MODEL Y	1,883	4,588	8,643	13,206	29,476
	Total	5,377	7,490	9,808	24,407	48,701
MG	AZS1	2,135	2,085	4,825	9,031	29,005
	MG3	1,322	792	1,672	4,718	13,084
	MG4	742	589	2	2,489	7,153
	MG5	568	826	3	2,385	5,284
	Other/Not stated	186	200	988	1,204	3,675
	Total	4,953	4,492	7,490	19,827	58,201
Mitsubishi	OUTLANDER	1,896	2,457	848	11,909	28,128
	ASX	1,072	642	230	4,782	10,906
	ECLIPSE	821	666	302	5,064	9,814
	PAJERO	556	701	315	3,962	8,442
	Total	4,345	4,466	1,695	25,717	57,290
Nissan	X-TRAIL	1,381	944	272	6,407	18,120
	QASHQAI	1,071	864	248	3,307	8,932
	PATROL	526	700	321	3,722	10,598
	Other/Not stated	99	164	194	1,107	4,183
	Total	3,077	2,672	1,035	14,543	41,833
Subaru	FORESTER	874	781	849	5,317	15,099
	OUTBACK	852	1,124	921	4,753	13,386
	CROSSTREK	624	997	1,431	4,291	12,342
	WRX	243	296	207	822	2,348
	Other/Not stated	305	359	170	1,658	2,890
	Total	2,898	3,557	3,578	16,841	46,065

(continued)

Table 12 Type approval RAV entries, passenger vehicles, top 25 makes and models, May 2024^a
(continued)

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
BMW	X SERIES	704	1,840	693	4,185	11,425
	X1	512	279	604	1,765	5,678
	2 SERIES	342	178	312	1,042	2,525
	4 SERIES	323	351	204	1,522	2,888
	3 SERIES	322	243	501	1,264	3,127
	Other/Not stated	537	197	285	1,410	3,082
	Total	2,740	3,088	2,599	11,188	28,725
BYD	ATTO3	784	0	4,570	784	6,115
	SEAL	579	1,515	0	4,445	5,452
	DOLPHIN	150	1	0	1,320	2,786
	Other/Not stated	1,192	11	0	1,203	1,203
	Total	2,705	1,527	4,570	7,752	15,556
Volkswagen	T-ROC	1,057	755	1,399	3,743	9,042
	TIGUAN	859	627	1,561	4,148	11,158
	GOLF	245	132	412	564	3,315
	Other/Not stated	272	561	1,235	1,477	5,997
	Total	2,433	2,075	4,607	9,932	29,512
Mercedes-Benz	X254	551	204	168	1,619	3,960
	177	353	308	144	1,081	2,405
	206	259	280	288	1,056	2,036
	H247	203	150	134	730	1,808
	H243	156	142	128	537	1,491
	X247	154	188	160	558	961
	V167	153	180	306	704	2,353
	Other/Not stated	475	507	841	2,105	6,862
	Total	2,304	1,959	2,169	8,390	21,876
Haval	H6	1,187	1,199	1,611	5,619	13,227
	JOLION	989	1,310	1,736	5,556	12,090
	Other/Not stated	0	0	0	0	1
	Total	2,176	2,509	3,347	11,175	25,318
Suzuki	VITARA	415	237	128	1,230	2,839
	JIMNY	382	174	864	1,245	3,129
	SWIFT	240	181	531	2,229	6,354
	IGNIS	149	127	150	850	1,793
	Other/Not stated	751	644	46	3,639	4,484
	Total	1,937	1,363	1,719	9,193	18,599
Isuzu	MU-X	1,936	3,533	1,085	12,714	21,243
	Total	1,936	3,533	1,085	12,714	21,243
Ford	EVEREST	1,564	2,530	544	10,563	21,740
	Other/Not stated	351	395	951	1,609	4,215
	Total	1,915	2,925	1,495	12,172	25,955
Audi	Q3	589	557	604	2,956	5,170
	Q2	400	324	222	955	1,922
	GY	264	508	403	1,763	3,892
	Q5	227	514	430	1,381	3,066
	Other/Not stated	232	320	712	1,591	4,808
	Total	1,712	2,223	2,371	8,646	18,858
Volvo	X SERIES	215	197	1,058	1,057	5,146
	XC60	203	195	286	724	1,988
	XC90	90	102	155	326	1,104
	Other/Not stated	714	351	49	1,103	1,357
	Total	1,222	845	1,548	3,210	9,595

(continued)

Table 12 Type approval RAV entries, passenger vehicles, top 25 makes and models, May 2024^a (continued)

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
Lexus	NX AZ2	542	136	1,039	1,843	5,335
	RX AL3	114	159	384	914	2,288
	ES XZ1L	99	105	201	415	1,288
	UX ZA1	65	40	405	327	1,482
	Other/Not stated	300	302	394	1,223	2,222
	Total	1,120	742	2,423	4,722	12,615
Porsche	MACAN	423	164	396	1,335	2,896
	CAYENNE	247	166	155	864	1,851
	982	163	29	62	317	565
	911	91	60	72	441	822
	Other/Not stated	15	25	79	177	559
	Total	939	444	764	3,134	6,693
Chery	OMODA 5	444	473	1,449	2,254	5,485
	Other/Not stated	410	60	0	1,811	3,805
	Total	854	533	1,449	4,065	9,290
Land Rover	RANGE ROVER	387	262	272	1,671	4,149
	DEFENDER	344	285	284	1,053	3,542
	DISCOVERY	69	51	59	362	898
	Total	800	598	615	3,086	8,589
Tank	300	378	316	5	1,996	4,624
	Other/Not stated	393	209	0	766	767
	Total	771	525	5	2,762	5,391
Honda	ZR-V	277	698	176	3,297	6,474
	HR-V	145	229	97	1,991	3,847
	CIVIC	145	134	35	773	1,709
	CR-V	93	644	355	3,217	7,199
	Other/Not stated	0	0	19	89	217
	Total	660	1,705	682	9,367	19,446
All other makes	Total	2,477	2,554	6,489	13,651	41,198
Total	Total	87,814	87,077	95,220	406,846	978,374

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

Table 13 Type approval RAV entries, light commercial vehicles, top 20 makes and models, May 2024^a

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
Toyota	HILUX	6,084	4,949	5,933	26,391	67,625
	HIACE	1,647	951	973	5,200	9,438
	Other/Not stated	0	0	0	0	0
	Total	7,731	5,900	6,906	31,591	77,063
Ford	RANGER	3,797	6,728	2,212	29,721	78,070
	TRANSIT	846	414	422	2,402	3,645
	Other/Not stated	2	211	0	1,349	2,219
	Total	4,645	7,353	2,634	33,472	83,934
Isuzu	D-MAX	2,493	2,635	2,310	13,587	38,562
	Total	2,493	2,635	2,310	13,587	38,562
Mitsubishi	TRITON	303	239	2,434	1,520	14,135
	Other/Not stated	1,708	2,154	0	7,679	7,679
	Total	2,011	2,393	2,434	9,199	21,814
LDV	T60	1,267	481	753	3,006	8,141
	G10	129	388	510	1,115	3,751
	Other/Not stated	45	74	180	181	410
	Total	1,441	943	1,443	4,302	12,302
Great Wall	CANNON	1,072	576	931	3,578	8,477
	Other/Not stated	0	1	0	8	8
	Total	1,072	577	931	3,586	8,485
Nissan	NAVARA	1,042	1,501	319	4,842	13,505
	Total	1,042	1,501	319	4,842	13,505
Volkswagen	CADDY	141	164	14	442	989
	TRANSPORTER	77	168	78	394	1,080
	Other/Not stated	479	1,073	782	4,178	10,635
	Total	697	1,405	874	5,014	12,704
Hyundai	STARIA	564	395	163	2,303	3,649
	Total	564	395	163	2,303	3,649
Mazda	BT-50	489	55	2,349	3,548	15,390
	Total	489	55	2,349	3,548	15,390
Ssangyong	MUSSO	414	670	598	2,584	4,387
	Total	414	670	598	2,584	4,387
RAM	1500	405	381	339	2,085	5,070
	Total	405	381	339	2,085	5,070
Chevrolet	SILVERADO	297	272	243	1,202	3,019
	Total	297	272	243	1,202	3,019
Renault	TRAFIC	190	13	155	595	1,550
	Other/Not stated	2	20	0	90	90
	Total	192	33	155	685	1,640
Mercedes-Benz	VITO	54	40	29	173	623
	Other/Not stated	0	0	0	4	29
	Total	54	40	29	177	652
Jeep	GLADIATOR	15	36	26	82	331
	Total	15	36	26	82	331
Land Rover	DEFENDER	1	0	0	1	7
	Total	1	0	0	1	7
Mahindra	S5	0	0	0	0	0
	Total	0	0	0	0	0
Peugeot	PARTNER	0	1	154	166	577
	EXPERT	0	29	48	181	417
	BOXER	0	0	45	0	4
	Total	0	30	247	347	998
Jac	Other/Not stated	0	0	0	5	5
	Total	0	0	0	5	5

(continued)

**Table 13 Type approval RAV entries, light commercial vehicles, top 20 makes and models, May 2024^a
(continued)**

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
All other makes	Total	0	0	0	5	5
Total	Total	23,563	24,619	22,000	118,617	303,522

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

Table 14 Type approval RAV entries, medium goods vehicles, top 20 makes and models, May 2024^a

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
Toyota	LANDCRUISER	1,543	1,093	1,226	5,352	14,968
	Other/Not stated	29	53	0	168	265
	Total	1,572	1,146	1,226	5,520	15,233
Isuzu	NLR	309	220	189	1,037	2,003
	NH NP	165	157	208	917	2,005
	NPR	164	168	155	759	1,702
	FRR	141	108	142	697	1,310
	NNR	74	77	219	353	1,096
	NQR	46	47	65	306	675
	Other/Not stated	19	7	9	66	144
	Total	918	784	987	4,135	8,935
Mercedes-Benz	SPRINTER	347	338	275	1,939	3,712
	Other/Not stated	10	7	1	29	34
	Total	357	345	276	1,968	3,746
Fuso	CANTER	196	154	195	990	2,503
	FIGHTER	51	54	32	258	496
	Other/Not stated	1	0	0	3	3
	Total	248	208	227	1,251	3,002
LDV	DELIVER 9	182	308	670	1,230	3,846
	Other/Not stated	33	18	0	135	139
	Total	215	326	670	1,365	3,985
IVECO	DAILY	209	165	123	807	1,940
	Other/Not stated	2	0	4	4	7
	Total	211	165	127	811	1,947
Fiat	DUCATO	202	209	166	918	1,911
	Total	202	209	166	918	1,911
Renault	MASTER	199	214	199	1,044	2,242
	Total	199	214	199	1,044	2,242
Hino	300 SERIES	131	179	214	1,115	2,665
	FD	29	44	41	149	386
	FC	29	28	43	114	314
	Other/Not stated	3	9	1	37	57
	Total	192	260	299	1,415	3,422
Chevrolet	SILVERADO	130	105	133	653	1,370
	Total	130	105	133	653	1,370
Dodge	RAM D1	118	95	138	497	1,269
	Other/Not stated	6	9	24	33	92
	Total	124	104	162	530	1,361
Volkswagen	CRAFTER	90	114	93	404	953
	Total	90	114	93	404	953
Ford	TRANSIT	86	509	10	1,068	1,440
	Other/Not stated	0	0	0	0	7
	Total	86	509	10	1,068	1,447
Ineos	GRENADIER	51	36	1	356	1,243
	Total	51	36	1	356	1,243
RAM	1500	45	30	30	148	396
	Total	45	30	30	148	396
Hyundai	MIGHTY	41	33	35	139	301
	Other/Not stated	1	3	2	32	42
	Total	42	36	37	171	343
Foton	IBLUE	2	0	29	51	75
	Other/Not stated	0	0	1	35	105
	Total	2	0	30	86	180
BCI	Other/Not stated	2	0	0	2	2
	Total	2	0	0	2	2

(continued)

Table 14 Type approval RAV entries, medium goods vehicles, top 20 makes and models, May 2024^a (continued)

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
Equi-Trek	SPRINTER	1	0	2	1	2
	Other/Not stated	0	0	1	3	3
	Total	1	0	3	4	5
MAN	TGL	1	3	0	4	10
	Total	1	3	0	4	10
All other makes	Total	0	14	0	78	151
Total	Total	4,688	4,608	4,676	21,931	51,884

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

Table 15 Type approval RAV entries, heavy goods vehicles, top 20 makes and models, May 2024^a

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
Volvo	FH	266	106	141	725	1,897
	FM	149	120	140	561	1,293
	FE	51	46	46	189	444
	Other/Not stated	0	1	0	3	39
	Total	466	273	327	1,478	3,673
Kenworth	T610	111	80	141	423	1,023
	T909	97	67	91	335	755
	K220	71	73	2	263	395
	T659	43	37	44	157	370
	T410	27	18	50	86	250
	K200	24	11	169	113	634
	Other/Not stated	60	60	124	293	772
Total	433	346	621	1,670	4,199	
Isuzu	FSR	106	107	97	561	1,160
	FXZ	66	45	44	265	520
	FYH	54	58	60	314	708
	FVR	46	31	26	204	379
	FVZ	42	53	57	270	716
	Other/Not stated	46	42	114	282	908
Total	360	336	398	1,896	4,391	
Hino	FE	43	75	44	225	644
	FM	42	50	19	202	308
	GT	23	38	9	93	167
	GH	16	12	25	73	165
	FG	15	35	12	137	279
	Other/Not stated	18	45	21	208	451
	Total	157	255	130	938	2,014
Fuso	FIGHTER	61	48	66	263	505
	FV SERIES	56	44	44	259	692
	FS SERIES	24	3	6	71	154
	Other/Not stated	1	0	0	9	16
	Total	142	95	116	602	1,367
Mercedes-Benz	96X	102	92	106	543	1,287
	ATEGO	6	1	0	18	23
	Other/Not stated	6	7	6	40	87
	Total	114	100	112	601	1,397
DAF	CF17	89	80	86	330	847
	XF17	21	42	15	103	184
	Other/Not stated	3	6	1	27	55
	Total	113	128	102	460	1,086
Scania	R SERIES	65	90	63	330	667
	P SERIES	29	37	29	128	346
	G SERIES	14	46	37	167	459
	Other/Not stated	0	1	2	2	5
	Total	108	174	131	627	1,477
Sinotruk	C7H	47	0	4	101	213
	T5G	26	21	57	137	273
	Other/Not stated	0	0	2	10	11
	Total	73	21	63	248	497
Mack	SUPERLINER	26	12	42	142	401
	METROLINER	16	7	16	52	165
	TRIDENT	10	20	23	94	273
	ANTHEM	8	17	32	110	277
	Total	60	56	113	398	1,116

(continued)

Table 15 Type approval RAV entries, heavy goods vehicles, top 20 makes and models, May 2024^a (continued)

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
IVECO	S-WAY	41	23	8	213	416
	ACCO	9	13	0	38	40
	EUROCARGO	4	6	9	30	124
	ASTRA	3	1	4	5	15
	Other/Not stated	1	0	2	27	62
	Total	58	43	23	313	657
UD	CDB	20	16	10	63	121
	CWB	13	48	39	125	228
	CGB	12	26	53	97	226
	GWB	3	16	75	106	401
	Other/Not stated	1	0	53	33	99
	Total	49	106	230	424	1,075
Freightliner	CASCADIA	46	16	28	177	399
	Total	46	16	28	177	399
MAN	TGA	28	42	24	174	493
	TG4	6	3	0	25	26
	TGM	4	1	10	26	133
	Other/Not stated	0	0	1	1	1
	Total	38	46	35	226	653
Dennis Eagle	ELITE	26	13	15	93	164
	Total	26	13	15	93	164
All other makes	Total	25	43	21	207	423
Total	Total	2,268	2,051	2,465	10,358	24,588

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

Table 16 Type approval RAV entries, light and heavy buses, top 20 makes and models, May 2024^a

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
Toyota	COMMUTER	473	153	384	896	2,211
	COASTER	35	61	37	134	296
	Total	508	214	421	1,030	2,507
LDV	DELIVER 9	99	69	28	280	527
	Total	99	69	28	280	527
Volgren	2 AXLE OMNIBUS	53	49	45	207	417
	Other/Not stated	0	0	1	4	14
	Total	53	49	46	211	431
Fuso	ROSA	25	10	13	117	330
	Total	25	10	13	117	330
BCI	PK6127A	16	6	3	43	90
	PK6120AG	2	0	1	3	16
	Other/Not stated	5	0	5	24	43
	Total	23	6	9	70	149
Custom Bus	PHOENIX	7	2	0	10	12
	ELEMENT	6	7	6	24	61
	METRO	5	2	6	16	45
	Total	18	11	12	50	118
Yutong	D7	6	6	10	53	121
	D9	5	2	0	15	34
	C12	5	6	0	42	57
	Other/Not stated	1	3	5	24	48
	Total	17	17	15	134	260
Mercedes-Benz	SPRINTER	15	12	4	59	91
	Total	15	12	4	59	91
Irizar	COACH	14	18	22	101	194
	Total	14	18	22	101	194
Foton	BJ6129	5	0	1	5	6
	Total	5	0	1	5	6
Ford	TRANSIT	5	51	0	75	75
	Total	5	51	0	75	75
Coach Concepts	EXPLORER	4	3	2	14	24
	Total	4	3	2	14	24
King Long	6911AY	2	0	11	23	52
	6120BS	2	7	2	27	55
	Other/Not stated	0	0	1	0	1
	Total	4	7	14	50	108
Bustech	VST	3	0	2	8	20
	Other/Not stated	0	0	2	0	5
	Total	3	0	4	8	25
Marcopolo	AUDACE	3	0	0	9	30
	Total	3	0	0	9	30
Hess	LighTram	3	4	0	17	17
	Total	3	4	0	17	17
MAN	Other/Not stated	2	1	0	3	4
	Total	2	1	0	3	4
Bonluck	Other/Not stated	2	4	1	17	30
	Total	2	4	1	17	30
Coach Design	COLT	1	1	1	6	19
	Total	1	1	1	6	19
Tost	OMNIBUS H&R	1	0	1	2	3
	Total	1	0	1	2	3
All other makes	Total	0	9	7	64	128

(continued)

Table 16 Type approval RAV entries, light and heavy buses, top 20 makes and models, May 2024^a (continued)

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
Total	Total	805	486	601	2,322	5,076

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

Table 17 Type approval RAV entries, motorcycles, top 20 makes and models, May 2024^a

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
KTM	ADVENTURE	428	181	234	642	2,146
	4T-EXC	393	226	0	621	2,741
	IS DUKE	84	84	155	295	728
	SUPER DUKE	69	31	111	104	217
	2T-EXC	57	259	0	316	1,583
	Other/Not stated	91	113	87	236	594
	Total	1,122	894	587	2,214	8,009
Honda	NSC110	432	384	0	1,248	2,736
	CBF125	144	96	0	816	1,536
	CRF300	138	48	0	294	1,188
	XL750	106	128	0	305	740
	CMX500	64	96	256	416	623
	Other/Not stated	167	410	214	1,683	4,921
	Total	1,051	1,162	470	4,762	11,744
CFMoto	CF400	533	158	32	1,003	1,386
	CF125	64	128	0	289	290
	Other/Not stated	125	134	234	538	819
	Total	722	420	266	1,830	2,495
Yamaha	WR SERIES	150	20	263	431	978
	YZF	117	89	30	389	1,189
	SEH2	64	191	0	671	889
	MTM890	41	0	9	82	300
	MTM660	40	26	52	102	179
	CZD300	40	40	52	200	368
	Other/Not stated	89	326	400	1,343	5,690
	Total	541	692	806	3,218	9,593
Harley-Davidson	CRU SERIES	262	466	374	1,273	2,818
	FLH SERIES	161	110	102	683	1,178
	Other/Not stated	92	263	48	697	1,174
	Total	515	839	524	2,653	5,170
Royal Enfield	CNEX	184	114	0	491	1,239
	Other/Not stated	278	348	0	791	1,029
	Total	462	462	0	1,282	2,268
BMW	S1000	91	43	81	335	669
	K50	73	50	140	274	758
	K8X	49	48	29	259	509
	R18	22	4	23	70	266
	Other/Not stated	87	160	52	635	1,060
	Total	322	305	325	1,573	3,262
Zero	Other/Not stated	230	0	0	369	369
	Total	230	0	0	369	369
Kymco	AGILITY SERIES	86	0	189	380	979
	LIKE SERIES	50	0	80	188	645
	CK50QT-5	30	0	0	150	324
	KG10AA	24	0	0	66	132
	PEOPLE SERIES	10	0	0	18	36
	Other/Not stated	0	12	0	34	78
Total	200	12	269	836	2,194	
Ducati	1X	41	14	19	55	179
	4M	32	22	11	62	125
	PANIGALE	30	37	28	75	249
	SUPERSPORT	17	0	5	23	73
	3D	12	14	10	33	155
	Other/Not stated	55	144	184	251	664
	Total	187	231	257	499	1,445

(continued)

Table 17 Type approval RAV entries, motorcycles, top 20 makes and models, May 2024^a (continued)

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
Husqvarna	PILEN SERIES	42	84	126	126	358
	TE	40	59	1	132	535
	FE	40	115	0	208	990
	N SERIES	33	36	12	69	427
	701	30	1	20	104	304
	Other/Not stated	1	0	0	1	2
	Total	186	295	159	640	2,616
Kawasaki	EX400	48	234	94	594	1,339
	KLX150	20	0	59	20	200
	KL650	20	44	51	224	522
	ZX1002	16	8	6	67	119
	ZX1000	15	15	28	171	300
	EN650	14	0	28	472	827
	ZR900	12	53	36	193	434
	ZX400	11	0	0	58	231
	Other/Not stated	11	30	94	526	1,183
	Total	167	384	396	2,325	5,155
Beta	RR	110	0	31	204	468
	EX	13	0	14	41	89
	X-TRAINER	7	0	33	53	160
	Total	130	0	78	298	717
Triumph	DX SERIES	18	0	8	28	127
	H801	15	24	63	78	180
	DU SERIES	11	38	1	51	69
	L SERIES	10	15	6	57	216
	ROCKET III	7	22	0	84	106
	Other/Not stated	48	317	14	1,277	1,797
	Total	109	416	92	1,575	2,495
Longjia	LJ50QT	62	30	0	196	256
	ESTATE 50	28	20	0	48	115
	Other/Not stated	10	50	0	60	83
	Total	100	100	0	304	454
Suzuki	DR-Z400	14	83	62	211	475
	GSX-S1000	13	50	26	99	270
	DS250	13	15	72	167	346
	GSX250	7	10	0	68	169
	UK110	6	34	62	156	868
	DL650	4	15	19	66	158
	Other/Not stated	14	95	205	281	933
	Total	71	302	446	1,048	3,219
Lambretta	Other/Not stated	53	33	0	87	191
	Total	53	33	0	87	191
Sym	CROX 50	48	16	0	95	161
	Other/Not stated	0	32	0	143	279
	Total	48	48	0	238	440
Fonzarelli	Other/Not stated	48	0	0	62	158
	Total	48	0	0	62	158
GASGAS	EC SERIES	36	245	0	340	737
	LC4 SERIES	7	0	15	7	142
	Other/Not stated	0	0	0	0	1
	Total	43	245	15	347	880
All other makes	Total	238	317	1,249	1,401	4,749
Total	Total	6,545	7,157	5,939	27,561	67,623

^a Figures exclude Concessional Approval and Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

Concessional approval RAV entries

Table 18 Concessional approval RAV entries, by vehicle type and month, May 2024^a

Month ^b	Vehicle type									Total ^c
	Passen- ger vehicles	Light com- mercial vehicles	Medium goods vehicles	Heavy goods vehicles	Motor- cycles	Light trailers	Medium trailers	Heavy trailers	Not stated	
May 2024	1,918	255	45	95	0	339	43	5	450	3,150
Apr 2024	1,521	262	35	27	0	323	40	10	543	2,761
Mar 2024	1,531	186	24	82	0	282	41	17	435	2,598
Feb 2024	1,654	301	31	67	0	350	59	19	578	3,059
Jan 2024	1,349	273	38	24	0	330	48	8	594	2,664
Dec 2023	1,386	259	30	24	0	323	63	13	487	2,585
Nov 2023	1,522	371	31	4	0	366	73	21	646	3,034
Oct 2023	1,383	331	19	3	0	300	52	12	706	2,806
Sep 2023	1,163	368	18	45	0	408	92	14	1,103	3,211
Aug 2023	1,476	185	18	13	0	321	70	14	1,183	3,280
Jul 2023	905	76	12	426	1	128	15	10	965	2,538
Jun 2023	803	39	11	196	0	235	8	17	2,814	4,123
May 2023	701	16	0	3	0	51	3	5	837	1,616
Apr 2023	455	24	15	91	0	23	1	9	543	1,161
Mar 2023	441	16	5	5	0	16	3	3	640	1,129
Feb 2023	494	10	5	10	0	10	2	7	597	1,135
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

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

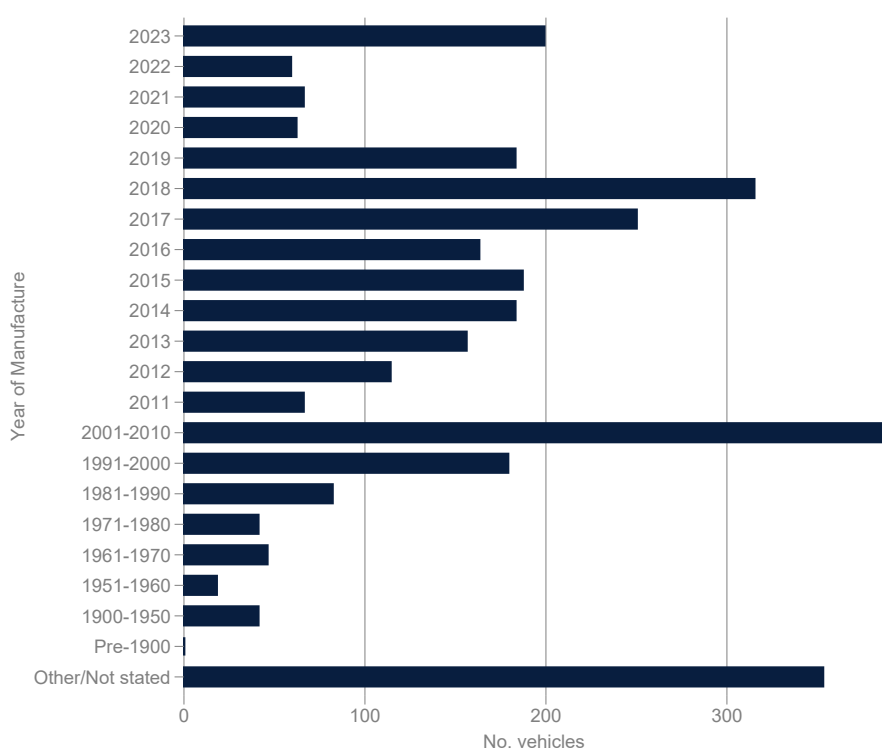
^b RAV transition period: 1 July 2021 to 30 June 2023 – Pre-July 2023 RAV entries are not necessarily a full enumeration of all vehicles entering the Australian market (see Explanatory Notes for details).

^c Total excludes Second Stage of Manufacture vehicles.
Sources: RAV and BITRE estimates.

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

Year of manufacture	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
2023	199	154	72	1,156	3,769
2022	59	60	42	314	1,201
2021	66	61	19	292	853
2020	62	79	28	341	713
2019	183	104	30	534	1,036
2018	315	331	85	1,712	3,359
2017	250	207	175	997	2,754
2016	163	141	75	731	1,582
2015	187	142	114	705	1,625
2014	183	162	118	830	1,957
2013	156	114	81	648	1,415
2012	114	83	124	515	1,412
2011	66	56	70	308	760
2001-2010	387	303	382	1,744	4,752
1991-2000	179	215	118	984	2,977
1981-1990	82	80	23	406	1,280
1971-1980	41	66	24	336	1,277
1961-1970	46	81	17	300	1,029
1951-1960	18	32	12	137	515
1900-1950	41	19	7	110	400
Pre-1900	0	0	0	2	6
Other/Not stated	353	271	0	1,130	1,137
Total	3,150	2,761	1,616	14,232	35,809

Sources: RAV and BITRE estimates.

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

Sources: RAV and BITRE estimates.

Table 20 Specialist and Enthusiast Vehicle RAV entries, by SEV category and month, May 2024^a

Month ^b	SEV approval criterion							Total
	Camper-vans and Motor-homes	Environ-mental	Left-Hand Drive	Mobility	Perfor-mance	Rarity	Not stated	
May 2024	280	1,357	55	233	288	5	0	2,218
Apr 2024	265	1,073	38	210	230	2	0	1,818
Mar 2024	215	1,072	39	201	205	10	0	1,742
Feb 2024	241	1,105	41	330	262	7	0	1,986
Jan 2024	245	928	39	223	221	4	0	1,660
Dec 2023	206	935	37	243	246	7	0	1,674
Nov 2023	353	1,000	31	270	260	10	0	1,924
Oct 2023	265	932	29	290	211	6	0	1,733
Sep 2023	268	695	14	333	220	9	4	1,543
Aug 2023	161	941	3	300	211	5	58	1,679
Jul 2023	53	520	0	195	189	11	25	993
Jun 2023	19	481	2	125	204	6	5	842
May 2023	6	392	4	176	130	4	5	717
Apr 2023	3	259	0	109	98	2	2	473
Mar 2023	6	236	0	113	92	7	2	456
Feb 2023	5	244	0	133	119	0	1	502
Jan 2023	3	224	0	95	80	2	0	404
Dec 2022	2	205	0	89	121	4	1	422
Nov 2022	1	90	0	1	41	0	261	394
Oct 2022	0	55	0	2	38	0	193	288
Sep 2022	0	30	0	2	27	0	136	195
Aug 2022	0	48	0	2	28	0	187	265
Jul 2022	0	11	0	0	27	0	123	161
Jun 2022	0	30	0	0	18	0	51	99
May 2022	0	7	0	1	21	0	37	66

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

^b 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, May 2024

Month ^a	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Not stated	Total
May 2024	529	3,318	1,428	173	30	0	5,478
Apr 2024	394	2,598	1,245	173	30	0	4,440
Mar 2024	557	2,717	1,164	139	24	0	4,601
Feb 2024	549	3,288	1,250	147	30	0	5,264
Jan 2024	267	2,934	846	170	25	0	4,242
Dec 2023	173	2,769	1,069	108	22	0	4,141
Nov 2023	234	3,030	1,237	155	29	0	4,685
Oct 2023	141	3,564	1,298	139	23	1	5,166
Sep 2023	130	5,538	1,043	42	21	0	6,774
Aug 2023	166	3,903	1,293	40	39	0	5,441
Jul 2023	119	3,010	971	30	37	0	4,167
Jun 2023	152	2,836	1,088	20	22	0	4,118
May 2023	143	3,043	998	29	32	0	4,245
Apr 2023	82	2,258	657	6	19	0	3,022
Mar 2023	117	3,142	764	54	15	0	4,092
Feb 2023	79	2,001	591	28	36	0	2,735
Jan 2023	85	1,849	498	29	15	0	2,476
Dec 2022	70	1,993	615	50	16	0	2,744
Nov 2022	63	2,584	736	1	19	0	3,403
Oct 2022	50	3,203	705	18	41	0	4,017
Sep 2022	60	2,495	739	34	7	0	3,335
Aug 2022	55	1,403	896	18	26	0	2,398
Jul 2022	41	1,347	642	20	27	0	2,077
Jun 2022	48	1,730	674	25	18	0	2,495
May 2022	15	1,589	711	18	21	0	2,354

^a 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, May 2024

Make	Model	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
Toyota	HILUX	2,594	2,116	2,667	12,226	32,985
	LANDCRUISER	384	321	318	1,675	4,300
	COMMUTER	17	7	16	63	175
	HIACE	11	13	18	60	156
	Other/Not stated	29	19	32	125	358
	Total	3,035	2,476	3,051	14,149	37,974
Nissan	PATROL	376	297	27	1,692	2,091
	NAVARA	343	182	124	1,137	2,893
	Other/Not stated	0	0	0	1	1
	Total	719	479	151	2,830	4,985
Ford	RANGER	480	443	287	2,052	3,928
	Other/Not stated	45	21	9	124	156
	Total	525	464	296	2,176	4,084
Isuzu	D-MAX	181	169	138	825	1,942
	MU-X	32	30	39	190	399
	NPS	29	29	33	115	308
	FVZ	12	11	8	48	99
	Other/Not stated	17	33	14	114	184
	Total	271	272	232	1,292	2,932
Mercedes-Benz	SPRINTER	163	121	119	597	1,551
	96X	24	26	0	84	118
	Other/Not stated	2	6	4	12	20
	Total	189	153	123	693	1,689
Fiat	DUCATO	174	91	106	648	1,461
	Other/Not stated	0	19	0	21	21
	Total	174	110	106	669	1,482
Mazda	BT-50	144	118	86	494	1,008
	Total	144	118	86	494	1,008
IVECO	DAILY	61	37	22	148	340
	Other/Not stated	33	39	17	187	278
	Total	94	76	39	335	618
Renault	MASTER	65	63	14	195	565
	Other/Not stated	3	1	0	12	24
	Total	68	64	14	207	589
Volvo	Other/Not stated	56	31	5	242	429
	Total	56	31	5	242	429
All other makes	Total	203	197	142	938	2,727
Total	Total	5,478	4,440	4,245	24,025	58,517

Sources: RAV and BITRE estimates.

RAV entries of caravans and camper trailers

Table 23 RAV entries of caravans and camper trailers, top 20 makes, May 2024^a

Rank	Make	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
1	Jayco	758	585	1,164	3,217	9,261
2	Regent RV	410	142	181	1,319	3,414
3	Market Direct Campers	246	181	16	948	2,852
4	Crusader	195	171	0	856	1,962
5	Ezytrail	180	133	271	834	2,117
6	New Age	136	56	0	528	1,597
7	Network RV	100	87	0	408	1,298
8	Essential Caravans	94	69	139	379	1,256
9	Lotus Caravans	90	45	0	265	719
10	Adventure Kings	85	44	55	292	685
11	Austrack Campers	84	180	0	1,206	2,795
12	JB Caravans	77	23	0	261	1,122
13	Leader	77	56	0	292	870
14	Supreme Caravans	73	65	0	334	973
15	Stoney Creek Campers	53	56	65	356	1,095
16	Design RV	52	47	0	244	887
17	Zone RV	50	48	0	228	462
18	Avan	45	54	0	279	757
19	Viscount Caravans	45	24	30	171	540
20	Franklin Caravans	43	28	37	175	475
21	Other makes	1,431	1,292	361	6,332	18,458
Total	-	4,324	3,386	2,319	18,924	53,595

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

Table 24 RAV entries of caravans and camper trailers, by tare weight, May 2024^a

Tare weight	May 2024	Apr 2024	May 2023	Year to date	Last 12 months
<= 500kg	38	29	0	187	522
500-1000kg	114	106	54	629	1,681
1000-1500kg	332	329	383	1,721	5,086
1500-2000kg	759	501	469	2,941	8,317
2000-2500kg	1,542	1,324	993	7,614	21,361
2500-3000kg	1,346	989	408	5,245	15,065
3000-5000kg	193	108	12	585	1,549
> 5000kg	0	0	0	1	12
Not stated	0	0	0	1	2
Total	4,324	3,386	2,319	18,924	53,595

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

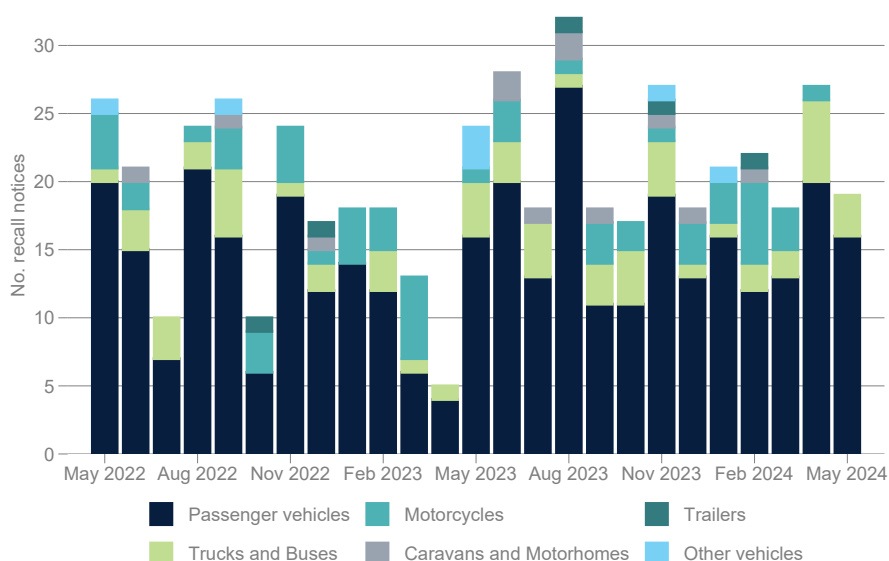
Vehicle recalls

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

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
May 2024	16	3	0	0	0	0	19
Apr 2024	20	6	1	0	0	0	27
Mar 2024	13	2	3	0	0	0	18
Feb 2024	12	2	6	1	1	0	22
Jan 2024	16	1	3	0	0	1	21
Dec 2023	13	1	3	1	0	0	18
Nov 2023	19	4	1	1	1	1	27
Oct 2023	11	4	2	0	0	0	17
Sep 2023	11	3	3	1	0	0	18
Aug 2023	27	1	1	2	1	0	32
Jul 2023	13	4	0	1	0	0	18
Jun 2023	20	3	3	2	0	0	28
May 2023	16	4	1	0	0	3	24
Apr 2023	4	1	0	0	0	0	5
Mar 2023	6	1	6	0	0	0	13
Feb 2023	12	3	3	0	0	0	18
Jan 2023	14	0	4	0	0	0	18
Dec 2022	12	2	1	1	1	0	17
Nov 2022	19	1	4	0	0	0	24
Oct 2022	6	0	3	0	1	0	10
Sep 2022	16	5	3	1	0	1	26
Aug 2022	21	2	1	0	0	0	24
Jul 2022	7	3	0	0	0	0	10
Jun 2022	15	3	2	1	0	0	21
May 2022	20	1	4	0	0	1	26

Sources: ROVER and BITRE estimates.

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



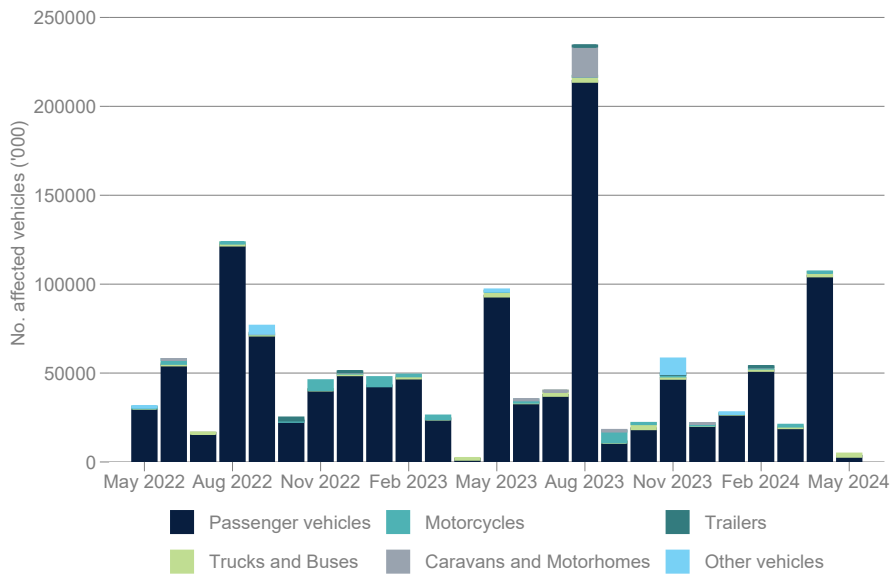
Sources: DITRDCA ROVER and BITRE estimates.

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

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
May 2024	3,168	1,324	0	0	0	0	4,492
Apr 2024	104,603	2,045	200	0	0	0	106,848
Mar 2024	19,247	913	535	0	0	0	20,695
Feb 2024	51,482	1,210	765	26	128	0	53,611
Jan 2024	26,900	255	130	0	0	443	27,728
Dec 2023	20,562	155	887	62	0	0	21,666
Nov 2023	47,007	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

Sources: ROVER and BITRE estimates.

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



Sources: DITRDCA ROVER and BITRE estimates.

Explanatory notes

Road Vehicle Standards Act 2018

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

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

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

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

The following sections provide a broad overview of the conditions governing entry of vehicles on the RAV. Further information is on the Road Vehicle Standards laws 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 – Road Vehicle Regulator (RVSA administration system)

RVSA – Road Vehicles Standards Act 2018

SEV – Specialist and Enthusiast Vehicle

SSM – Second Stage of Manufacture

References

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