



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

September 2024

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Road vehicle entry and recall statistics

September 2024

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

Canberra, Australia

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ISSN: 2981-9903 (Online)
BITRE reference: 2024-1182
October 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, September 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.

Luke Elliott

A/g Head of Bureau
Bureau of Infrastructure and Transport Research Economics
October 2024

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Highlights – September 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 September 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 106,323 road vehicles entered on the RAV in September 2024, 25.5 per cent lower than total entries in September 2023 (i.e. 142,692 vehicles).¹
- There were 103,485 type approval vehicles entered in September 2024, 25.8 per cent lower than total type approved vehicles entries in September 2023 (i.e. 139,482 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 2,838 vehicles in the month of September 2024, 11.6 per cent lower than concessional RAV approval entries in September 2023 (i.e. 3,210 vehicles).

Type approval RAV entries by vehicle category

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

- 61,084 passenger vehicle RAV entries, 25 per cent lower than in September 2023
- 18,377 light commercial vehicle (LCV) RAV entries, 40.7 per cent lower than in September 2023
- 3,393 medium goods vehicle RAV entries, 21.7 per cent lower than in September 2023
- 1,570 heavy goods vehicle RAV entries, 27.1 per cent lower than in September 2023
- 522 bus RAV entries, 47.9 per cent higher than in September 2023, and
- 4,032 motorcycle RAV entries, 11.8 per cent lower than in September 2023.

Type approval RAV entries by vehicle make

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

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

Concessional RAV entry approval vehicles

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

- 1,350 passenger vehicles
- 268 LCVs
- 54 medium goods vehicles
- 103 heavy goods vehicles, and
- 441 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 1,669 specialist and enthusiast vehicles (SEVs) entries on the RAV in September 2024.
- There were 944 SEV RAV entries in September 2024 under environmental criterion.

Second stage of manufacture (SSM) RAV entries

- There were 3,912 SSM RAV entries in September 2024, comprising:
 - 2,253 light commercial vehicles
 - 1,284 medium goods vehicles
 - 179 passenger vehicles, and
 - 195 other vehicles.

Type approval RAV entries by trailer category

In the month of September 2024 there were:

- 2,836 type approved very light trailer RAV entries²
- 9,492 type approved light trailer RAV entries
- 626 type approved medium trailer RAV entries, and
- 1,553 type approved heavy trailer RAV entries.

Type approved trailer RAV entries included approximately 3,591 caravans and camper trailers in the month of September 2024.³

Vehicle recall notices

- In September 2024 there were 14 recall notices published on the Department's website, covering approximately 7,468 vehicles.
- As at 30 September 2024 there were 5,099 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 – 3,341 notices (covering 19,483,716 vehicles)
 - Trucks and buses – 801 notices (covering 571,955 vehicles)
 - Motorcycles – 813 notices (covering 493,381 vehicles)
 - Caravans/motorhomes – 72 notices (covering 44,939 vehicles)
 - Trailers – 42 notices (covering 19,200 vehicles)
 - Other vehicles (not elsewhere specified) – 30 notices (covering 157,429 vehicles).

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

³ 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 vehicles⁴ 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.⁵ 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.

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

⁵ 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 September 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
- Trailers⁶

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

⁶ 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, September 2024^a

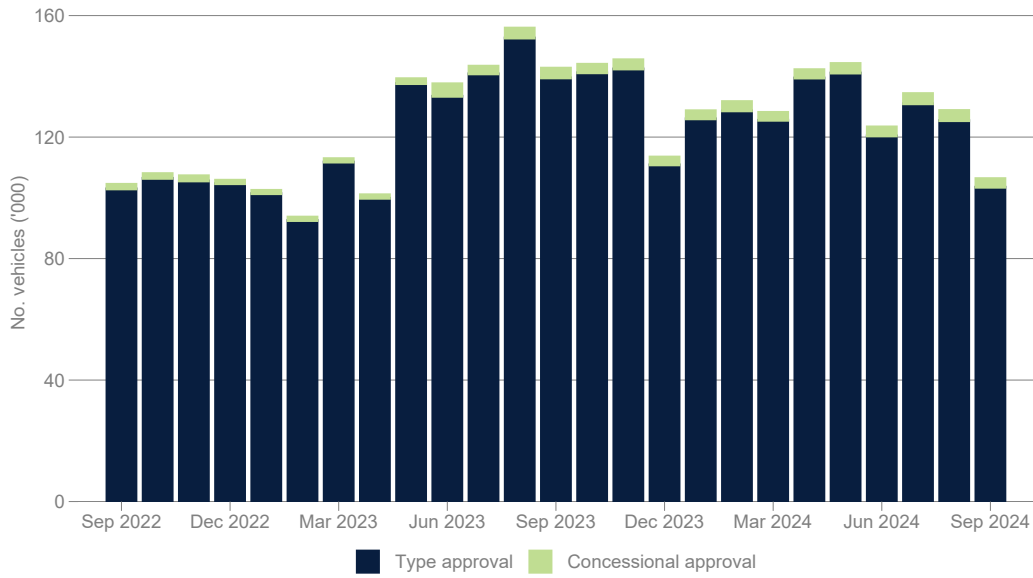
Month ^b	Approval category		Total ^c
	Type approval	Concessional approval	
Sep 2024	103,485	2,838	106,323
Aug 2024	125,407	3,342	128,749
Jul 2024	130,959	3,365	134,324
Jun 2024	120,374	2,970	123,344
May 2024	141,080	3,146	144,226
Apr 2024	139,438	2,754	142,192
Mar 2024	125,534	2,598	128,132
Feb 2024	128,632	3,058	131,690
Jan 2024	126,005	2,661	128,666
Dec 2023	110,845	2,584	113,429
Nov 2023	142,419	3,034	145,453
Oct 2023	141,165	2,806	143,971
Sep 2023	139,482	3,210	142,692
Aug 2023	152,603	3,280	155,883
Jul 2023	140,808	2,537	143,345
Jun 2023	133,424	4,123	137,547
May 2023	137,608	1,616	139,224
Apr 2023	99,849	1,161	101,010
Mar 2023	111,767	1,129	112,896
Feb 2023	92,519	1,135	93,654
Jan 2023	101,366	1,095	102,461
Dec 2022	104,651	1,141	105,792
Nov 2022	105,559	1,700	107,259
Oct 2022	106,404	1,569	107,973
Sep 2022	102,931	1,512	104,443

^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.

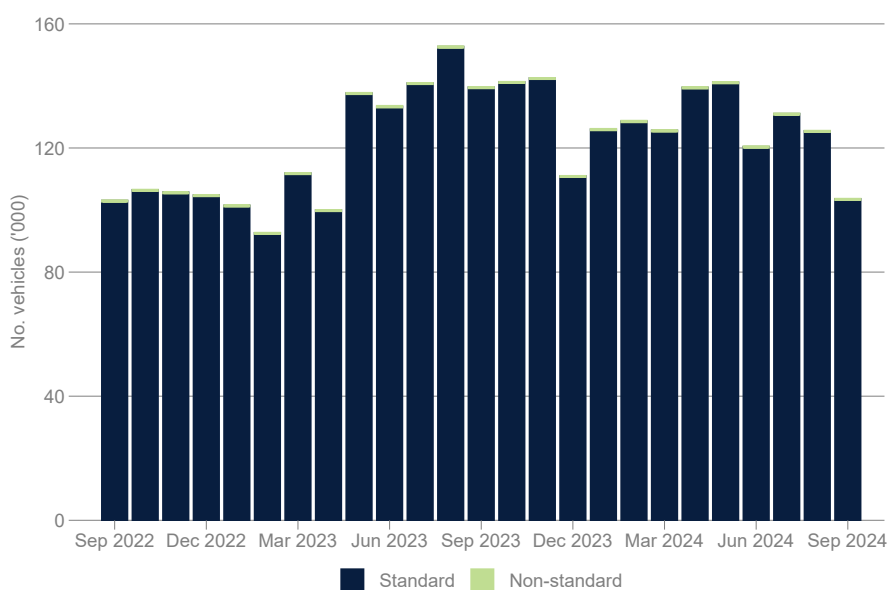
Table 2 Type approval RAV vehicle entries, by entry pathway and month, September 2024^a

Month ^b	Type approvals			Total ^c
	Standard	Non-standard	SSM	
Sep 2024	103,393	92	3,912	103,485
Aug 2024	125,296	111	4,186	125,407
Jul 2024	130,855	104	4,233	130,959
Jun 2024	120,227	147	3,949	120,374
May 2024	140,977	103	5,357	141,080
Apr 2024	139,318	120	4,366	139,438
Mar 2024	125,459	75	4,561	125,534
Feb 2024	128,440	192	5,224	128,632
Jan 2024	125,853	152	4,201	126,005
Dec 2023	110,784	61	4,133	110,845
Nov 2023	142,357	62	4,680	142,419
Oct 2023	141,088	77	5,157	141,165
Sep 2023	139,392	90	6,763	139,482
Aug 2023	152,472	131	5,436	152,603
Jul 2023	140,731	77	4,156	140,808
Jun 2023	133,198	226	4,098	133,424
May 2023	137,505	103	4,229	137,608
Apr 2023	99,782	67	3,021	99,849
Mar 2023	111,698	69	4,086	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	106,303	101	4,011	106,404
Sep 2022	102,857	74	3,334	102,931

^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, September 2024^a

Month ^b	Concessional RAV entry approvals							Total ^d
	RAWS-SEV ^c	RAWS-SSM ^c	Trailer	Older vehicle	SPV ^c	Personal	RAV suitable	
Sep 2024	1,669	0	432	468	115	121	33	2,838
Aug 2024	2,264	0	461	477	4	102	34	3,342
Jul 2024	2,196	1	430	526	80	97	36	3,365
Jun 2024	1,936	0	333	419	84	77	121	2,970
May 2024	2,218	0	384	343	96	85	20	3,146
Apr 2024	1,818	0	372	440	27	63	34	2,754
Mar 2024	1,742	0	334	300	88	88	46	2,598
Feb 2024	1,986	0	427	419	67	118	41	3,058
Jan 2024	1,660	0	385	468	24	101	23	2,661
Dec 2023	1,674	1	397	328	26	138	21	2,584
Nov 2023	1,924	2	460	464	4	143	39	3,034
Oct 2023	1,733	5	364	432	3	154	120	2,806
Sep 2023	1,543	0	513	749	52	136	217	3,210
Aug 2023	1,679	1	405	478	13	144	561	3,280
Jul 2023	993	10	153	431	426	113	421	2,537
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

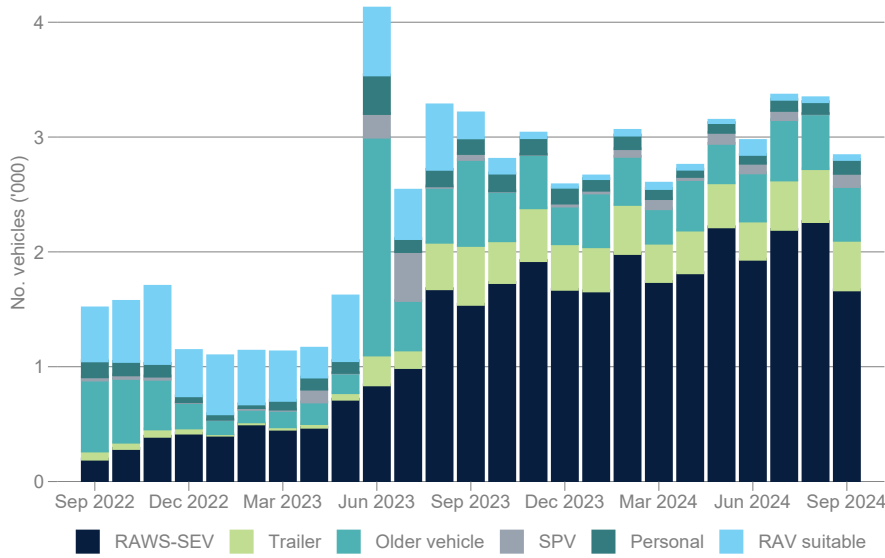
^a Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

^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, September 2024^a

Month ^b	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Motorcycles	Total ^c
Sep 2024	61,084	18,377	3,393	1,570	522	4,032	88,978
Aug 2024	79,781	19,545	4,197	2,165	628	4,227	110,543
Jul 2024	80,667	22,628	4,420	2,110	741	5,063	115,629
Jun 2024	78,375	17,993	4,178	1,862	635	3,026	106,069
May 2024	87,815	23,563	4,688	2,268	805	6,545	125,684
Apr 2024	87,077	24,627	4,608	2,051	486	7,157	126,006
Mar 2024	76,207	23,035	3,680	2,089	278	4,959	110,248
Feb 2024	77,506	24,001	4,533	2,149	359	4,878	113,426
Jan 2024	78,241	23,394	4,422	1,801	394	4,022	112,274
Dec 2023	64,241	22,143	3,000	1,404	273	6,486	97,547
Nov 2023	80,348	31,546	4,503	1,974	451	5,548	124,370
Oct 2023	83,776	29,181	3,581	2,343	413	5,796	125,090
Sep 2023	81,497	30,989	4,335	2,155	353	4,569	123,898
Aug 2023	96,802	25,084	5,378	2,323	362	6,956	136,905
Jul 2023	84,308	22,822	4,239	1,828	379	5,125	118,701
Jun 2023	80,556	23,105	4,917	2,202	523	5,582	116,885
May 2023	95,220	22,000	4,676	2,465	601	5,939	130,901
Apr 2023	68,353	17,440	3,216	1,668	442	5,176	96,295
Mar 2023	73,349	20,966	4,284	1,959	359	6,910	107,827
Feb 2023	61,103	15,550	3,947	1,944	251	6,608	89,403
Jan 2023	69,444	18,486	3,677	1,752	261	5,772	99,392
Dec 2022	70,144	20,442	3,040	1,420	300	6,826	102,172
Nov 2022	72,786	18,993	3,347	1,544	350	5,600	102,620
Oct 2022	67,521	22,227	3,660	1,580	331	7,672	102,991
Sep 2022	63,568	24,803	3,127	1,823	328	6,695	100,344

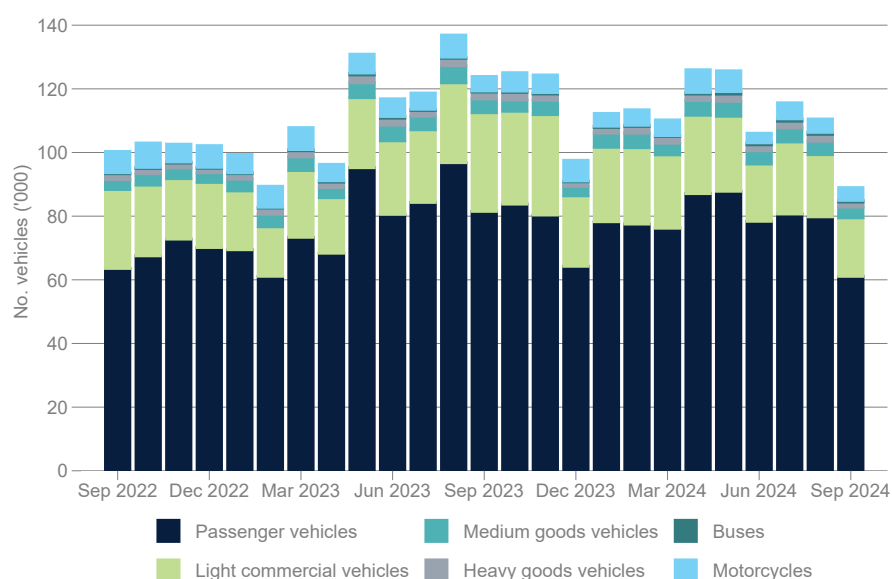
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^c Total excludes Second Stage of Manufacture vehicles.

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 trailer type and month, September 2024^{ab}

Month ^c	Very light trailers	Light trailers	Medium trailers	Heavy trailers	Total ^d
Sep 2024	2,836	9,492	626	1,553	14,507
Aug 2024	2,449	10,128	710	1,577	14,864
Jul 2024	3,054	10,038	670	1,568	15,330
Jun 2024	2,578	9,633	564	1,530	14,305
May 2024	2,472	10,537	679	1,708	15,396
Apr 2024	2,357	8,879	632	1,564	13,432
Mar 2024	3,075	10,138	595	1,478	15,286
Feb 2024	2,895	10,217	541	1,553	15,206
Jan 2024	3,174	8,548	431	1,578	13,731
Dec 2023	2,782	8,879	547	1,090	13,298
Nov 2023	3,306	12,362	625	1,756	18,049
Oct 2023	2,910	10,846	655	1,664	16,075
Sep 2023	3,096	10,243	602	1,643	15,584
Aug 2023	2,422	10,790	524	1,962	15,698
Jul 2023	5,986	14,029	536	1,556	22,107
Jun 2023	4,005	10,664	169	1,701	16,539
May 2023	206	4,805	220	1,476	6,707
Apr 2023	57	2,280	118	1,099	3,554
Mar 2023	108	2,428	61	1,343	3,940
Feb 2023	91	1,796	41	1,188	3,116
Jan 2023	68	765	38	1,103	1,974
Dec 2022	120	1,505	50	804	2,479
Nov 2022	32	1,480	18	1,409	2,939
Oct 2022	19	1,647	11	1,736	3,413
Sep 2022	49	1,302	61	1,175	2,587

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

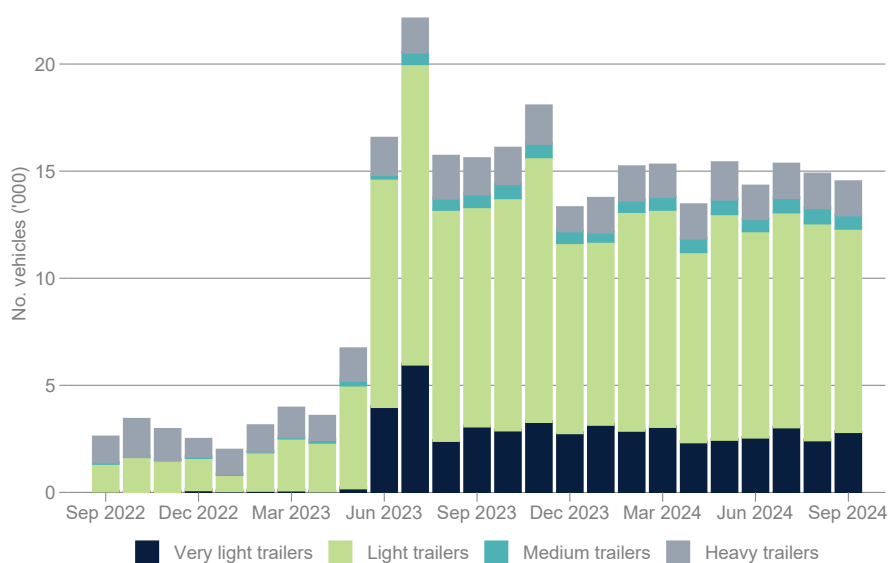
^b Prior to the July 2024 issue, very light trailer RAV entries were not separately enumerated and combined with light trailer RAV entries.

^c 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).

^d 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.

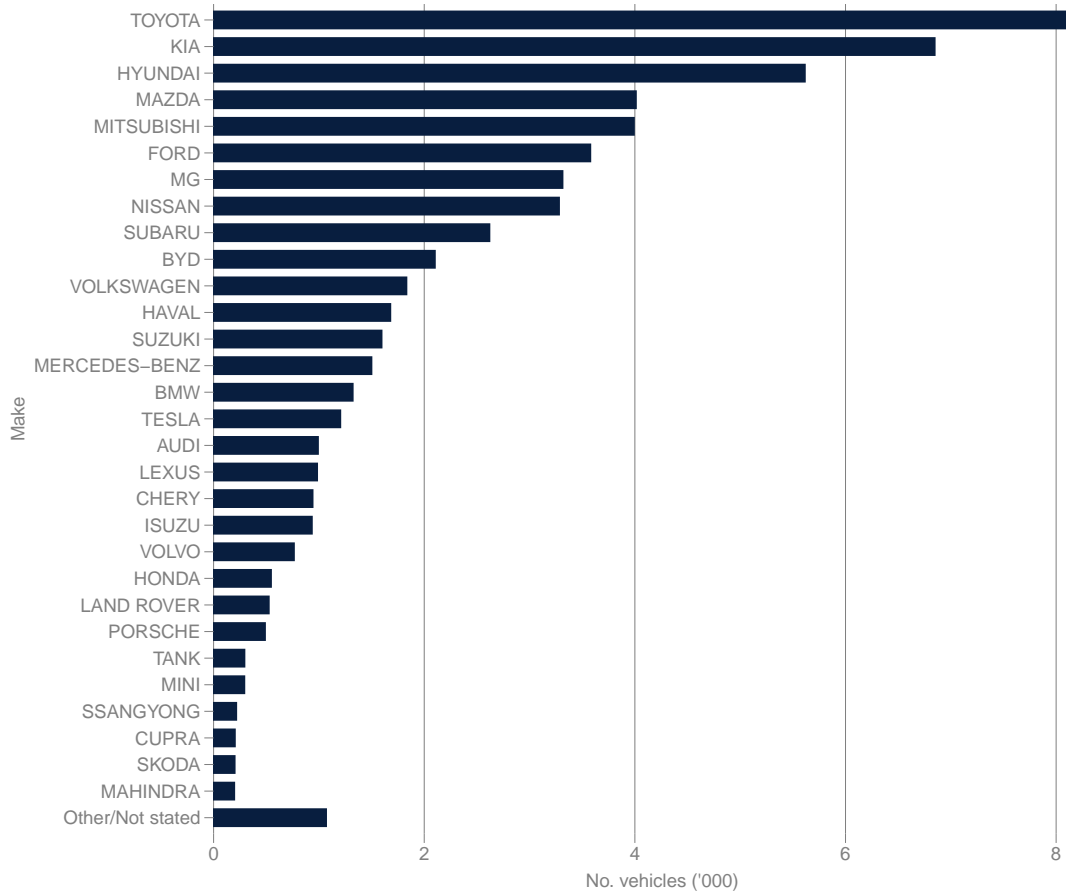
Type approval RAV entries by vehicle class and make

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

Rank	Make	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
1	Toyota	8,122	13,963	12,550	119,077	158,197
2	Kia	6,842	9,845	9,222	73,644	87,675
3	Hyundai	5,609	6,408	5,899	53,190	71,351
4	Mazda	4,005	7,749	5,902	61,053	83,750
5	Mitsubishi	3,986	4,569	4,776	42,935	57,513
6	Ford	3,572	2,796	3,112	23,385	28,179
7	MG	3,308	2,808	6,146	33,997	47,700
8	Nissan	3,275	3,307	3,735	26,770	38,481
9	Subaru	2,614	4,017	3,976	31,386	42,846
10	BYD	2,096	2,638	522	15,427	18,290
11	Volkswagen	1,826	3,709	4,979	20,940	26,463
12	Haval	1,673	2,156	1,597	19,600	25,632
13	Suzuki	1,590	2,015	1,262	16,724	20,093
14	Mercedes-Benz	1,494	1,724	1,443	15,645	20,849
15	BMW	1,316	1,952	3,156	19,254	26,326
16	Tesla	1,198	880	3,155	29,123	37,912
17	Audi	986	726	1,911	11,870	16,546
18	Lexus	978	1,476	1,252	9,813	12,340
19	Chery	935	1,074	195	7,414	9,993
20	Isuzu	928	641	732	17,421	21,568
21	Volvo	758	766	724	6,487	8,750
22	Honda	540	946	738	12,211	18,514
23	Land Rover	519	233	718	6,198	8,255
24	Porsche	483	966	405	5,608	6,941
25	Tank	288	436	5	4,385	6,631
26	MINI	287	468	318	3,239	3,900
27	Ssangyong	210	175	16	2,016	3,738
28	Cupra	197	194	407	1,765	2,840
29	Skoda	195	246	850	3,116	4,969
30	Mahindra	191	0	0	3,035	4,275
31	Other/Not stated	1,063	898	1,794	10,025	14,601
Total	-	61,084	79,781	81,497	706,753	935,118

^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, September 2024

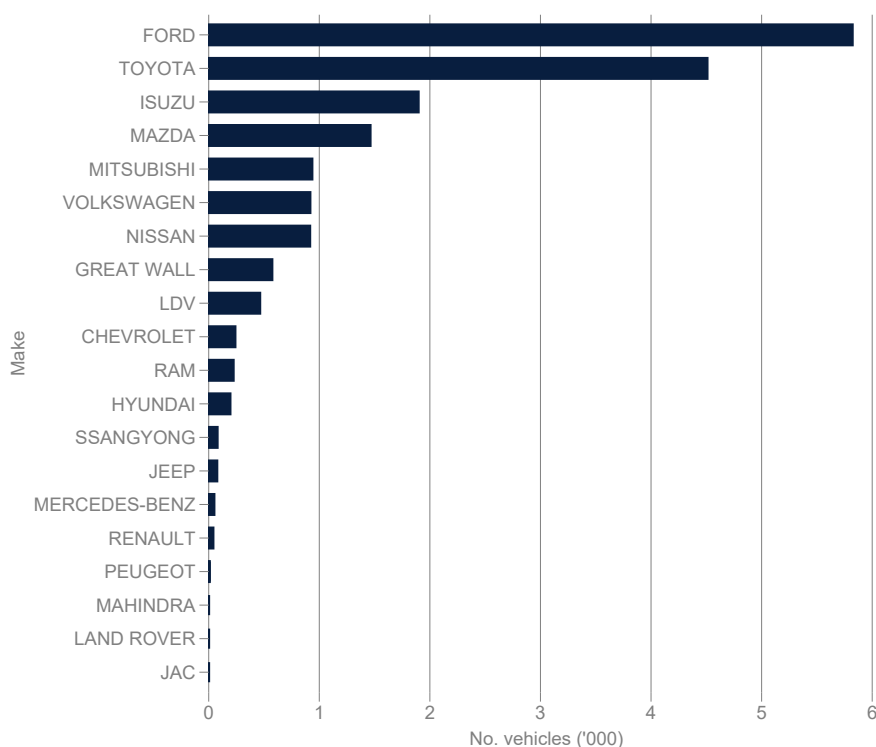


Sources: RAV and BITRE estimates.

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

Rank	Make	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
1	Ford	5,820	5,699	8,457	56,991	80,814
2	Toyota	4,507	4,637	9,204	51,214	68,310
3	Isuzu	1,895	2,401	2,972	22,497	34,593
4	Mazda	1,460	1,392	1,881	10,073	15,345
5	Mitsubishi	934	512	1,940	12,492	19,273
6	Volkswagen	916	1,270	2,086	7,893	11,229
7	Nissan	914	568	1,486	7,262	10,948
8	Great Wall	572	847	580	6,743	8,995
9	LDV	462	803	1,067	7,049	10,278
10	Chevrolet	238	253	343	2,263	3,170
11	RAM	222	246	448	3,131	4,171
12	Hyundai	193	288	235	3,110	3,644
13	Ssangyong	77	179	0	3,636	5,281
14	Jeep	74	77	43	371	469
15	Mercedes-Benz	48	63	32	325	373
16	Renault	39	176	191	1,419	1,958
17	Peugeot	6	68	24	579	1,061
18	Jac	0	65	0	110	110
19	Land Rover	0	1	0	5	11
20	Mahindra	0	0	0	0	0
Total	-	18,377	19,545	30,989	197,163	280,033

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

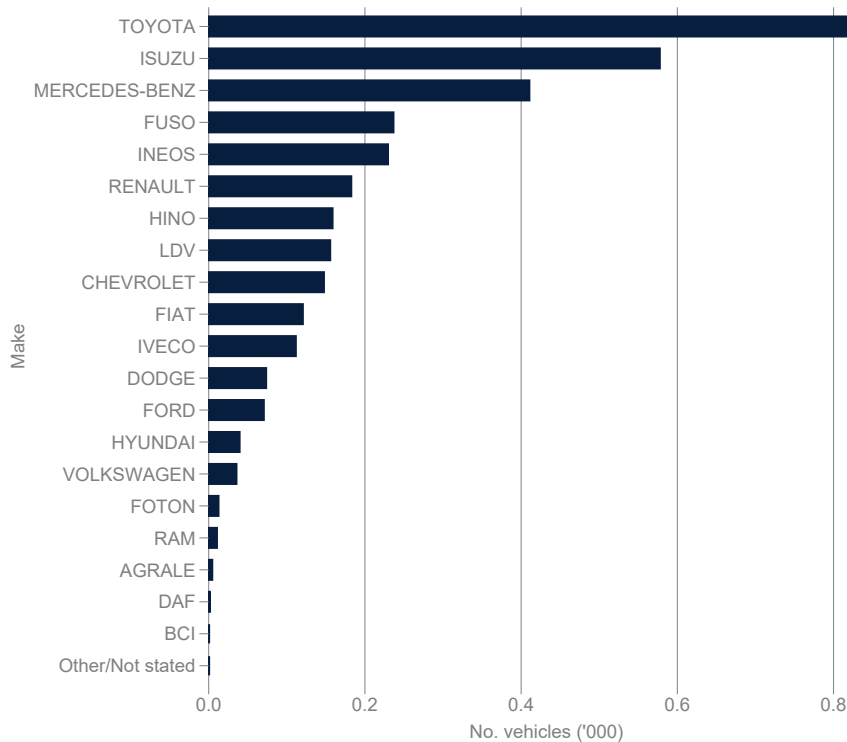
Figure 7 Type approval RAV entries, light commercial vehicles, top 20 makes, September 2024

Sources: RAV and BITRE estimates.

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

Rank	Make	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
1	Toyota	824	1,278	1,662	10,165	13,912
2	Isuzu	577	697	575	6,785	8,700
3	Mercedes-Benz	410	327	188	3,489	4,163
4	Fuso	236	339	250	2,197	2,820
5	Ineos	229	37	115	737	1,193
6	Renault	182	212	296	1,863	2,099
7	Hino	158	308	285	2,544	3,286
8	LDV	155	309	300	2,203	3,150
9	Chevrolet	147	172	55	1,215	1,458
10	Fiat	120	186	101	1,716	2,079
11	IVECO	111	122	180	1,338	1,580
12	Dodge	73	56	101	767	1,011
13	Ford	70	7	50	1,638	1,849
14	Hyundai	39	32	27	291	357
15	Volkswagen	35	96	122	693	873
16	Foton	12	1	12	104	148
17	RAM	10	3	16	248	351
18	Agrale	4	0	0	4	4
19	DAF	1	2	0	3	3
20	BCI	0	0	0	2	2
21	Other/Not stated	0	13	0	117	165
Total	-	3,393	4,197	4,335	38,119	49,203

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

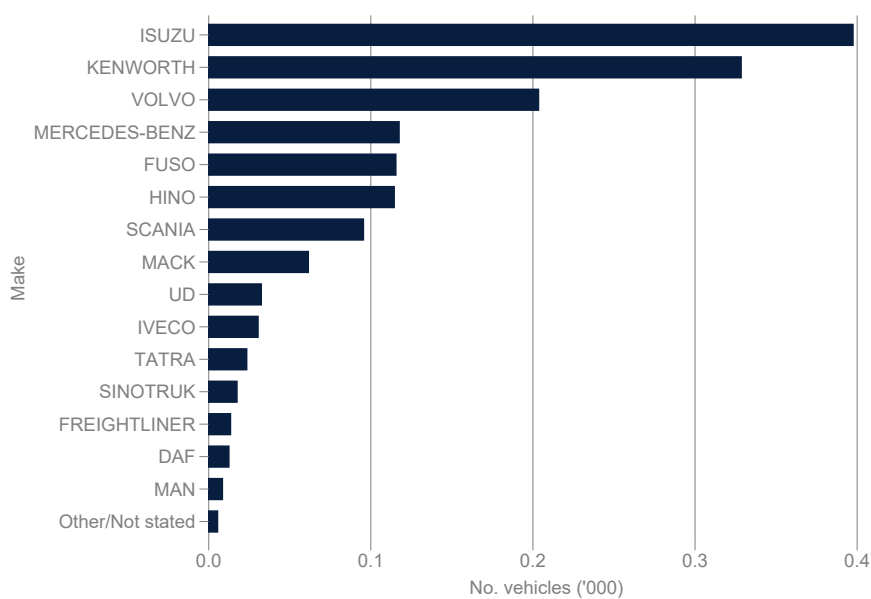
Figure 8 Type approval RAV entries, medium goods vehicles, top 20 makes, September 2024

Sources: RAV and BITRE estimates.

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

Rank	Make	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
1	Isuzu	397	391	385	3,414	4,345
2	Kenworth	328	439	404	3,217	4,211
3	Volvo	203	211	305	2,470	3,279
4	Mercedes-Benz	117	100	110	1,081	1,421
5	Fuso	115	68	119	931	1,326
6	Hino	114	221	195	1,718	2,091
7	Scania	95	87	119	1,062	1,454
8	Mack	61	57	125	617	910
9	UD	32	12	8	572	953
10	IVECO	30	59	64	523	664
11	Tatra	23	0	7	42	52
12	Sinotruk	17	17	62	413	503
13	Freightliner	13	16	26	270	357
14	DAF	12	381	120	963	1,200
15	MAN	8	70	72	384	537
16	Other/Not stated	5	36	34	388	483
Total	-	1,570	2,165	2,155	18,065	23,786

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

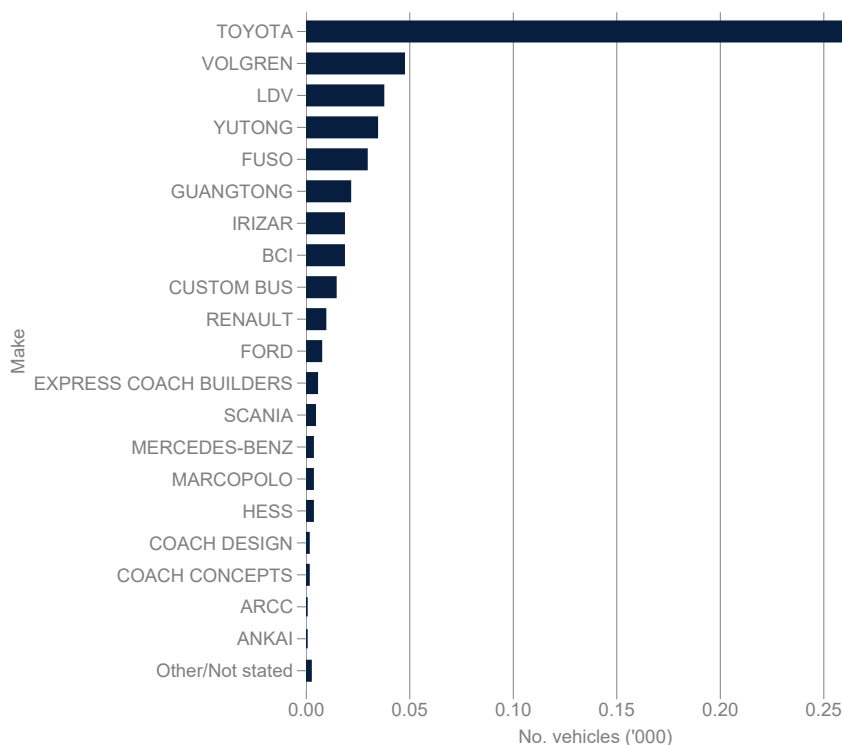
Figure 9 Type approval RAV entries, heavy goods vehicles, top 15 makes, September 2024

Sources: RAV and BITRE estimates.

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

Rank	Make	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
1	Toyota	266	357	222	2,535	3,085
2	Volgren	47	48	32	420	505
3	LDV	37	25	9	351	501
4	Yutong	34	25	15	262	324
5	Fuso	29	40	17	222	318
6	Guangtong	21	0	0	39	40
7	BCI	18	29	11	187	208
8	Irizar	18	10	15	162	197
9	Custom Bus	14	6	7	86	116
10	Renault	9	11	0	22	22
11	Ford	7	2	0	108	108
12	Express Coach Builders	5	2	0	19	30
13	Scania	4	3	0	33	53
14	Hess	3	4	0	29	29
15	Marcopolo	3	1	1	30	35
16	Mercedes-Benz	3	19	0	99	110
17	Coach Concepts	1	2	1	20	24
18	Coach Design	1	1	2	11	15
19	Ankai	0	0	0	0	0
20	ARCC	0	0	0	0	2
21	Other/Not stated	2	43	21	213	263
Total	-	522	628	353	4,848	5,985

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

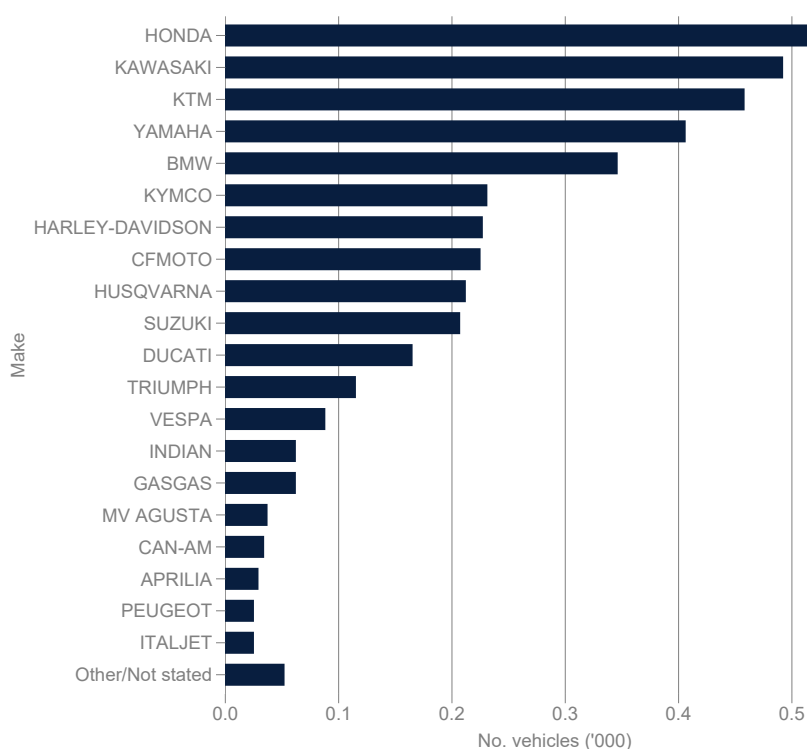
Figure 10 Type approval RAV entries, all buses, top 20 makes, September 2024

Sources: RAV and BITRE estimates.

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

Rank	Make	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
1	Honda	554	570	1,270	6,507	8,355
2	Kawasaki	491	410	356	3,931	5,013
3	KTM	457	382	884	3,691	6,794
4	Yamaha	405	622	244	6,127	9,990
5	BMW	345	303	218	2,824	3,423
6	Kymco	230	198	178	1,412	1,993
7	Harley-Davidson	226	200	382	3,852	4,889
8	CFMoto	224	138	29	2,578	3,087
9	Husqvarna	211	0	210	1,080	2,236
10	Suzuki	206	262	215	1,821	2,751
11	Ducati	164	187	0	1,256	1,703
12	Triumph	114	153	90	2,152	2,659
13	Vespa	87	34	70	389	497
14	GASGAS	61	10	12	418	805
15	Indian	61	40	66	530	828
16	MV Agusta	36	7	0	88	174
17	Can-Am	33	0	14	105	105
18	Aprilia	28	28	33	212	249
19	Italjet	24	0	24	24	24
20	Peugeot	24	0	0	31	39
21	Other/Not stated	51	683	274	4,881	6,125
Total	-	4,032	4,227	4,569	43,909	61,739

^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, September 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, September 2024^a

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Toyota	RAV4	3,385	7,118	2,672	44,192	51,307
	COROLLA	1,412	2,171	2,443	26,011	34,230
	YARIS	744	1,640	811	7,925	10,933
	KLUGER	699	622	1,305	7,482	9,930
	LANDCRUISER	589	1,230	1,244	10,831	14,721
	Other/Not stated	1,293	1,182	4,075	22,636	37,076
	Total	8,122	13,963	12,550	119,077	158,197
Kia	SPORTAGE	3,079	3,049	2,843	20,215	23,671
	CARNIVAL	1,025	1,154	1,392	9,061	10,399
	SELTOS	731	725	956	6,995	8,920
	RIO	679	861	762	4,898	6,142
	PICANTO	655	731	1,038	4,881	5,925
	SORENTO	534	756	865	7,982	9,158
	Other/Not stated	139	2,569	1,366	19,612	23,460
	Total	6,842	9,845	9,222	73,644	87,675
Hyundai	TUCSON	1,570	1,636	1,914	14,971	20,364
	I30	1,535	1,838	1,456	10,498	14,571
	KONA	1,315	1,624	1,477	13,862	17,337
	VENUE	555	620	480	5,269	6,744
	Other/Not stated	634	690	572	8,590	12,335
	Total	5,609	6,408	5,899	53,190	71,351
Mazda	CX-5	1,432	1,774	1,559	19,070	25,180
	CX-3	1,011	2,783	796	14,864	19,488
	CX-30	514	1,445	1,554	9,939	13,222
	MAZDA 3	512	373	422	7,761	10,843
	MAZDA 2	275	1,006	394	4,770	6,165
	Other/Not stated	261	368	1,177	4,649	8,852
	Total	4,005	7,749	5,902	61,053	83,750
Mitsubishi	OUTLANDER	2,221	2,435	2,087	20,578	27,474
	ASX	834	895	1,495	8,982	11,456
	ECLIPSE	599	795	577	7,755	9,648
	PAJERO	332	444	617	5,620	8,935
	Total	3,986	4,569	4,776	42,935	57,513
Ford	EVEREST	3,377	2,421	2,699	21,042	24,934
	Other/Not stated	195	375	413	2,343	3,245
	Total	3,572	2,796	3,112	23,385	28,179
MG	AZS1	1,005	1,165	1,723	14,298	19,483
	MG3	474	408	2,130	7,218	10,109
	MG4	434	139	1,309	3,648	6,126
	MG5	186	275	634	3,690	5,403
	Other/Not stated	1,209	821	350	5,143	6,579
	Total	3,308	2,808	6,146	33,997	47,700
Nissan	X-TRAIL	2,249	1,440	1,312	12,928	18,247
	PATROL	946	704	555	6,816	9,956
	Other/Not stated	80	1,163	1,868	7,026	10,278
	Total	3,275	3,307	3,735	26,770	38,481
Subaru	FORESTER	879	1,231	1,458	10,094	14,593
	CROSSTREK	791	1,248	881	8,848	11,948
	OUTBACK	626	1,023	1,276	8,160	11,006
	WRX	165	233	221	1,651	2,097
	Other/Not stated	153	282	140	2,633	3,202
	Total	2,614	4,017	3,976	31,386	42,846

(continued)

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

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
BYD	ATTO3	201	454	310	1,927	2,529
	SEAL	198	0	0	5,447	6,454
	Other/Not stated	1,697	2,184	212	8,053	9,307
	Total	2,096	2,638	522	15,427	18,290
Volkswagen	TIGUAN	462	558	1,573	6,630	8,699
	T-CROSS	444	1,031	455	1,951	2,553
	POLO	339	228	210	1,554	2,075
	GOLF	256	373	560	2,026	2,390
	T-ROC	234	1,354	2,034	7,450	9,035
	Other/Not stated	91	165	147	1,329	1,711
	Total	1,826	3,709	4,979	20,940	26,463
Haval	JOLION	895	1,212	888	10,341	13,111
	H6	778	944	709	9,259	12,520
	Other/Not stated	0	0	0	0	1
	Total	1,673	2,156	1,597	19,600	25,632
Suzuki	JIMNY	424	437	273	3,126	3,560
	VITARA	196	337	301	2,154	2,826
	IGNIS	130	165	108	1,408	1,787
	Other/Not stated	840	1,076	580	10,036	11,920
	Total	1,590	2,015	1,262	16,724	20,093
Mercedes-Benz	H247	424	396	168	2,216	2,676
	X247	153	114	58	1,075	1,218
	206	141	140	76	1,727	2,109
	177	131	107	209	1,627	1,993
	V167	112	108	95	1,173	2,171
	X254	106	408	135	3,167	4,313
	Other/Not stated	427	451	702	4,660	6,369
	Total	1,494	1,724	1,443	15,645	20,849
BMW	X SERIES	367	635	1,187	6,989	9,764
	X1	315	446	614	3,583	5,322
	4 SERIES	179	173	237	2,442	3,045
	2 SERIES	117	124	345	1,549	2,135
	3 SERIES	93	164	509	1,854	2,547
	Other/Not stated	245	410	264	2,837	3,513
	Total	1,316	1,952	3,156	19,254	26,326
Tesla	MODEL Y	917	330	0	15,183	22,289
	MODEL 3	281	550	3,155	13,940	15,623
	Total	1,198	880	3,155	29,123	37,912
Audi	Q3	459	64	386	3,910	5,040
	Q5	274	218	302	1,990	2,882
	Q7	61	192	237	785	1,208
	A6	57	38	54	326	413
	Other/Not stated	135	214	932	4,859	7,003
	Total	986	726	1,911	11,870	16,546
Lexus	NX AZ2	476	769	637	4,566	5,659
	RX AL3	109	253	197	1,665	2,001
	LX J30L	60	31	47	364	534
	Other/Not stated	333	423	371	3,218	4,146
	Total	978	1,476	1,252	9,813	12,340
Chery	OMODA 5	634	571	195	4,279	4,864
	Other/Not stated	301	503	0	3,135	5,129
	Total	935	1,074	195	7,414	9,993
Isuzu	MU-X	928	641	732	17,421	21,568
	Total	928	641	732	17,421	21,568

(continued)

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

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Volvo	X SERIES	440	393	502	2,421	4,018
	XC60	137	154	100	1,272	1,612
	Other/Not stated	181	219	122	2,794	3,120
	Total	758	766	724	6,487	8,750
Honda	CR-V	310	546	319	4,676	7,921
	HR-V	178	255	97	2,514	3,411
	ZR-V	52	143	181	4,037	5,680
	Other/Not stated	0	2	141	984	1,502
	Total	540	946	738	12,211	18,514
Land Rover	DEFENDER	398	150	212	2,491	3,234
	RANGE ROVER	101	69	435	3,034	4,101
	Other/Not stated	20	14	71	673	920
	Total	519	233	718	6,198	8,255
Porsche	MACAN	260	399	181	2,375	3,005
	911	70	107	48	753	886
	CAYENNE	69	266	107	1,455	1,785
	982	69	126	28	704	781
	Other/Not stated	15	68	41	321	484
	Total	483	966	405	5,608	6,941
Tank	300	185	220	5	2,818	5,062
	Other/Not stated	103	216	0	1,567	1,569
	Total	288	436	5	4,385	6,631
All other makes	Total	2,143	1,981	3,385	23,196	34,323
Total	Total	61,084	79,781	81,497	706,753	935,118

^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, September 2024^a

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Ford	RANGER	4,979	4,510	8,353	49,519	71,898
	F150	409	600	10	3,151	3,969
	Other/Not stated	432	589	94	4,321	4,947
	Total	5,820	5,699	8,457	56,991	80,814
Toyota	HILUX	3,708	3,542	8,428	41,899	56,990
	HIACE	799	1,095	776	9,315	11,320
	Other/Not stated	0	0	0	0	0
	Total	4,507	4,637	9,204	51,214	68,310
Isuzu	D-MAX	1,895	2,401	2,972	22,497	34,593
	Total	1,895	2,401	2,972	22,497	34,593
Mazda	BT-50	1,460	1,392	1,881	10,073	15,345
	Total	1,460	1,392	1,881	10,073	15,345
Mitsubishi	TRITON	221	247	1,940	2,486	9,267
	Other/Not stated	713	265	0	10,006	10,006
	Total	934	512	1,940	12,492	19,273
Volkswagen	TRANSPORTER	165	181	146	794	1,077
	Other/Not stated	751	1,089	1,940	7,099	10,152
	Total	916	1,270	2,086	7,893	11,229
Nissan	NAVARA	914	568	1,486	7,262	10,948
	Total	914	568	1,486	7,262	10,948
Great Wall	CANNON	471	578	580	5,751	8,003
	Other/Not stated	101	269	0	992	992
	Total	572	847	580	6,743	8,995
LDV	T60	275	649	628	5,050	7,244
	G10	181	153	410	1,804	2,792
	Other/Not stated	6	1	29	195	242
	Total	462	803	1,067	7,049	10,278
Chevrolet	SILVERADO	238	253	343	2,263	3,170
	Total	238	253	343	2,263	3,170
RAM	1500	222	246	448	3,131	4,171
	Total	222	246	448	3,131	4,171
Hyundai	STARIA	193	288	235	3,110	3,644
	Total	193	288	235	3,110	3,644
Ssangyong	MUSSO	77	179	0	3,636	5,281
	Total	77	179	0	3,636	5,281
Jeep	GLADIATOR	74	77	43	371	469
	Total	74	77	43	371	469
Mercedes-Benz	VITO	48	63	26	321	356
	Other/Not stated	0	0	6	4	17
	Total	48	63	32	325	373
Renault	TRAFIC	20	66	191	1,141	1,680
	Other/Not stated	19	110	0	278	278
	Total	39	176	191	1,419	1,958
Peugeot	PARTNER	6	59	24	298	593
	Other/Not stated	0	9	0	281	468
	Total	6	68	24	579	1,061
Mahindra	S5	0	0	0	0	0
	Total	0	0	0	0	0
Jac	Other/Not stated	0	65	0	110	110
	Total	0	65	0	110	110
Land Rover	DEFENDER	0	1	0	5	11
	Total	0	1	0	5	11
All other makes	Total	0	1	0	5	11

(continued)

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

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Total	Total	18,377	19,546	30,989	197,168	280,044

^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, September 2024^a

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Toyota	LANDCRUISER	776	1,213	1,661	9,759	13,410
	TUNDRA	48	65	0	404	500
	Other/Not stated	0	0	1	2	2
	Total	824	1,278	1,662	10,165	13,912
Isuzu	NLR	117	157	144	1,799	2,212
	NH NP	111	162	86	1,443	1,885
	NPR	105	114	156	1,193	1,539
	NNR	92	89	98	682	903
	FRR	91	76	62	996	1,237
	NQR	53	88	24	564	773
	Other/Not stated	8	11	5	108	151
Total	577	697	575	6,785	8,700	
Mercedes-Benz	SPRINTER	403	324	188	3,437	4,108
	Other/Not stated	7	3	0	52	55
	Total	410	327	188	3,489	4,163
Fuso	CANTER	176	252	223	1,666	2,149
	FIGHTER	60	86	27	525	665
	Other/Not stated	0	1	0	6	6
	Total	236	339	250	2,197	2,820
Ineos	GRENADIER	229	37	115	737	1,193
	Total	229	37	115	737	1,193
Renault	MASTER	182	212	296	1,863	2,099
	Total	182	212	296	1,863	2,099
Hino	300 SERIES	124	228	206	1,971	2,573
	FC	19	40	34	252	319
	FD	15	36	45	260	320
	Other/Not stated	0	4	0	61	74
	Total	158	308	285	2,544	3,286
LDV	DELIVER 9	150	303	300	2,033	2,976
	Other/Not stated	5	6	0	170	174
	Total	155	309	300	2,203	3,150
Chevrolet	SILVERADO	147	172	55	1,215	1,458
	Total	147	172	55	1,215	1,458
Fiat	DUCATO	120	186	101	1,716	2,079
	Total	120	186	101	1,716	2,079
IVECO	DAILY	111	122	180	1,334	1,574
	Other/Not stated	0	0	0	4	6
	Total	111	122	180	1,338	1,580
Dodge	RAM D1	42	54	92	698	924
	Other/Not stated	31	2	9	69	87
	Total	73	56	101	767	1,011
Ford	TRANSIT	70	7	50	1,638	1,842
	Other/Not stated	0	0	0	0	7
	Total	70	7	50	1,638	1,849
Hyundai	MIGHTY	36	32	25	253	313
	Other/Not stated	3	0	2	38	44
	Total	39	32	27	291	357
Volkswagen	CRAFTER	35	96	122	693	873
	Total	35	96	122	693	873
Foton	IBLUE	12	1	1	65	79
	Other/Not stated	0	0	11	39	69
	Total	12	1	12	104	148
RAM	1500	10	3	16	248	351
	Total	10	3	16	248	351

(continued)

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

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Agrale	Other/Not stated	4	0	0	4	4
	Total	4	0	0	4	4
DAF	LF45	1	2	0	3	3
	Total	1	2	0	3	3
Jac	HFC1068K	0	0	0	0	0
	Other/Not stated	0	11	0	25	50
	Total	0	11	0	25	50
All other makes	Total	0	2	0	94	117
Total	Total	3,393	4,197	4,335	38,119	49,203

^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, September 2024^a

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Isuzu	FSR	111	82	82	902	1,116
	FVZ	108	106	77	649	836
	FYH	53	75	80	571	706
	FXZ	42	39	28	448	560
	FTS	28	14	20	156	190
	FVR	27	21	36	327	397
	Other/Not stated	28	54	62	361	540
	Total	397	391	385	3,414	4,345
Kenworth	T909	95	122	70	731	908
	T610	80	97	95	804	1,084
	T659	50	49	33	339	418
	K220	34	63	16	484	539
	T360	22	29	17	180	233
	C509	20	26	15	132	164
	Other/Not stated	27	53	158	547	865
	Total	328	439	404	3,217	4,211
Volvo	FM	95	79	77	923	1,258
	FH	82	74	163	1,199	1,569
	FE	26	56	54	342	444
	Other/Not stated	0	2	11	6	8
	Total	203	211	305	2,470	3,279
Mercedes-Benz	96X	92	83	104	939	1,259
	ECONIC	9	16	0	78	92
	Other/Not stated	16	1	6	64	70
	Total	117	100	110	1,081	1,421
Fuso	FIGHTER	57	46	38	453	595
	FV SERIES	54	11	67	365	570
	Other/Not stated	4	11	14	113	161
	Total	115	68	119	931	1,326
Hino	FM	28	54	29	391	419
	FS	23	23	7	155	187
	FE	17	38	84	402	545
	FY	12	10	8	77	92
	FG	11	35	23	245	291
	GH	9	19	16	152	187
	FL	6	20	4	99	128
	Other/Not stated	8	22	24	197	242
	Total	114	221	195	1,718	2,091
Scania	P SERIES	37	18	35	239	318
	R SERIES	31	47	38	524	710
	G SERIES	27	21	46	295	419
	Other/Not stated	0	1	0	4	7
	Total	95	87	119	1,062	1,454
Mack	SUPERLINER	22	20	38	214	333
	ANTHEM	19	18	30	164	240
	TRIDENT	10	9	30	143	195
	METROLINER	10	10	27	96	142
	Total	61	57	125	617	910
UD	CGB	11	5	0	145	203
	PK	9	0	5	61	84
	CWB	6	4	1	170	231
	CDB	3	3	0	79	114
	PD	2	0	0	4	10
	Other/Not stated	1	0	2	113	311
	Total	32	12	8	572	953

(continued)

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

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
IVECO	S-WAY	23	37	43	357	441
	EUROCARGO	4	10	21	62	101
	ACCO	3	3	0	58	58
	Other/Not stated	0	9	0	46	64
	Total	30	59	64	523	664
Tatra	T158	23	0	5	32	36
	Other/Not stated	0	0	2	10	16
	Total	23	0	7	42	52
Sinotruk	T5G	14	8	12	195	266
	C7H	3	8	50	201	219
	Other/Not stated	0	1	0	17	18
	Total	17	17	62	413	503
Freightliner	CASCADIA	13	16	26	270	357
	Total	13	16	26	270	357
DAF	CF17	4	301	115	725	934
	Other/Not stated	8	80	5	238	266
	Total	12	381	120	963	1,200
MAN	TGM	3	1	15	39	78
	TGA	3	52	57	278	391
	Other/Not stated	2	17	0	67	68
	Total	8	70	72	384	537
All other makes	Total	5	36	34	388	483
Total	Total	1,570	2,165	2,155	18,065	23,786

^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, September 2024^a

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Toyota	COMMUTER	248	334	196	2,317	2,826
	COASTER	18	23	26	218	259
	Total	266	357	222	2,535	3,085
Volgren	2 AXLE OMNIBUS	47	48	31	416	497
	Other/Not stated	0	0	1	4	8
	Total	47	48	32	420	505
LDV	DELIVER 9	37	25	9	351	501
	Total	37	25	9	351	501
Yutong	C12	21	10	0	92	106
	D7	7	11	15	95	120
	E12	4	2	0	14	14
	Other/Not stated	2	2	0	61	84
	Total	34	25	15	262	324
Fuso	ROSA	29	40	17	222	318
	Total	29	40	17	222	318
Guangtong	GTK6105A	4	0	0	7	7
	Other/Not stated	17	0	0	32	33
	Total	21	0	0	39	40
Irizar	COACH	18	10	15	162	197
	Total	18	10	15	162	197
BCI	PK6127A	9	4	5	71	86
	PK6120AG	5	22	0	72	74
	PK6930A	2	0	2	13	15
	PK6850ARI	2	3	3	18	20
	Other/Not stated	0	0	1	13	13
	Total	18	29	11	187	208
Custom Bus	METRO	7	2	6	26	35
	ELEMENT	7	4	0	48	68
	Other/Not stated	0	0	1	12	13
	Total	14	6	7	86	116
Renault	MASTER	9	11	0	22	22
	Total	9	11	0	22	22
Ford	TRANSIT	7	2	0	108	108
	Total	7	2	0	108	108
Express Coach Builders	OMNIBUS	5	2	0	19	30
	Total	5	2	0	19	30
Scania	TOURING	4	3	0	23	38
	Other/Not stated	0	0	0	10	15
	Total	4	3	0	33	53
Mercedes-Benz	SPRINTER	3	19	0	99	110
	Total	3	19	0	99	110
Hess	LighTram	3	4	0	29	29
	Total	3	4	0	29	29
Marcopolo	AUDACE	3	1	1	30	35
	Total	3	1	1	30	35
Coach Concepts	EXPLORER	1	2	1	20	24
	Total	1	2	1	20	24
Coach Design	COLT	1	1	2	11	15
	Total	1	1	2	11	15
BYD	Other/Not stated	0	0	0	13	18
	Total	0	0	0	13	18
Bonluck	ELECTRIC COACH	0	0	0	0	0
	Other/Not stated	0	10	3	33	33
	Total	0	10	3	33	33

(continued)

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

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
All other makes	Total	2	33	18	167	214
Total	Total	522	628	353	4,848	5,985

^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, September 2024^a

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Honda	CBF125	96	144	192	1,104	1,248
	CRF450	92	28	28	220	432
	CRF300	78	78	62	498	802
	WW125	40	0	0	280	360
	CBF300	36	0	36	72	72
	NSS350	32	0	0	128	128
	CMX500	32	64	51	576	576
	XL750	28	0	95	469	546
	Other/Not stated	120	256	806	3,160	4,191
Total	554	570	1,270	6,507	8,355	
Kawasaki	EN650	109	4	0	631	793
	KL650	84	0	76	347	507
	EX650	53	34	6	225	383
	ZX400	50	63	44	203	236
	ZR900	42	37	51	329	467
	EX400	40	121	94	1,055	1,111
	ZX636	35	28	0	165	211
	Other/Not stated	78	123	85	976	1,305
	Total	491	410	356	3,931	5,013
KTM	4T-EXC	291	30	174	1,064	2,526
	IS RC	64	31	128	111	143
	ADVENTURE	48	83	309	968	1,533
	IS DUKE	42	126	126	547	631
	Other/Not stated	12	112	147	1,001	1,961
	Total	457	382	884	3,691	6,794
Yamaha	YZF320	120	48	40	476	842
	GPD150	88	72	40	600	880
	YZF	65	106	50	879	1,369
	MTN890	43	62	2	509	792
	MTM890	23	58	0	284	378
	Other/Not stated	66	276	112	3,379	5,729
	Total	405	622	244	6,127	9,990
BMW	S1000	92	81	56	636	740
	K50	89	77	68	574	710
	K8X	42	30	32	422	533
	G310	29	14	17	213	320
	R18	25	22	9	150	191
	C400	19	10	16	110	148
	Other/Not stated	49	69	20	719	781
	Total	345	303	218	2,824	3,423
Kymco	LIKE SERIES	117	64	0	383	624
	AGILITY SERIES	113	70	162	651	889
	Other/Not stated	0	64	16	378	480
	Total	230	198	178	1,412	1,993
Harley-Davidson	FLH SERIES	147	126	88	1,219	1,426
	CRU SERIES	52	66	290	1,863	2,249
	TRI SERIES	17	6	4	113	142
	Other/Not stated	10	2	0	657	1,072
	Total	226	200	382	3,852	4,889
CFMoto	CF400	158	128	29	1,545	1,847
	Other/Not stated	66	10	0	1,033	1,240
	Total	224	138	29	2,578	3,087
Husqvarna	PILEN SERIES	99	0	116	353	427
	FE	95	0	91	366	1,039
	TE	17	0	0	185	444
	Other/Not stated	0	0	3	176	326
	Total	211	0	210	1,080	2,236

(continued)

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

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Suzuki	DR-Z400	50	83	37	420	530
	DS250	34	36	32	278	337
	GSX250	21	26	0	153	254
	GSX-S1000	18	26	31	165	225
	UK110	14	6	6	188	480
	GSX800	14	23	11	139	177
	GSX1300	12	8	13	90	180
	Other/Not stated	43	54	85	388	568
	Total	206	262	215	1,821	2,751
Ducati	PANIGALE	45	3	0	197	268
	1X	20	15	0	158	239
	3D	9	45	0	175	229
	Other/Not stated	90	124	0	726	967
	Total	164	187	0	1,256	1,703
Triumph	Other/Not stated	114	153	90	2,152	2,659
	Total	114	153	90	2,152	2,659
Vespa	PSI PV/SP 50 SERIES	34	0	34	34	34
	Other/Not stated	53	34	36	355	463
	Total	87	34	70	389	497
Indian	Other/Not stated	61	40	66	530	828
	Total	61	40	66	530	828
GASGAS	EC SERIES	61	0	12	401	766
	Other/Not stated	0	10	0	17	39
	Total	61	10	12	418	805
MV Agusta	D	10	3	0	32	60
	H	3	3	0	17	27
	Other/Not stated	23	1	0	39	87
	Total	36	7	0	88	174
Can-Am	SPYDER	33	0	12	71	71
	Other/Not stated	0	0	2	34	34
	Total	33	0	14	105	105
Aprilia	Other/Not stated	28	28	33	212	249
	Total	28	28	33	212	249
Italjet	DRAGSTER	24	0	24	24	24
	Total	24	0	24	24	24
Royal Enfield	Other/Not stated	24	198	66	1,680	1,992
	Total	24	198	66	1,680	1,992
All other makes	Total	51	485	208	3,232	4,172
Total	Total	4,032	4,227	4,569	43,909	61,739

^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, September 2024^{ab}

Month ^c	Vehicle type										Total ^d
	Pas-senger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Motor-cycles	Very light trailers	Light trailers	Medium trailers	Heavy trailers	Not stated	
Sep 2024	1,350	268	54	103	0	90	302	25	24	622	2,838
Aug 2024	1,866	332	65	4	1	125	297	33	6	613	3,342
Jul 2024	1,870	265	61	80	0	74	306	37	13	659	3,365
Jun 2024	1,563	287	86	82	0	54	236	28	17	617	2,970
May 2024	1,918	255	45	95	0	76	262	42	5	448	3,146
Apr 2024	1,521	262	35	27	0	80	242	40	10	537	2,754
Mar 2024	1,531	186	24	82	0	50	232	41	17	435	2,598
Feb 2024	1,654	301	31	67	0	65	285	59	18	578	3,058
Jan 2024	1,349	273	38	24	0	78	251	48	8	592	2,661
Dec 2023	1,386	259	30	24	0	66	256	63	13	487	2,584
Nov 2023	1,522	371	31	4	0	84	282	73	21	646	3,034
Oct 2023	1,383	331	19	3	0	65	235	52	12	706	2,806
Sep 2023	1,163	368	18	45	0	84	324	92	14	1,102	3,210
Aug 2023	1,476	185	18	13	0	45	276	70	14	1,183	3,280
Jul 2023	905	76	12	426	1	8	120	15	10	964	2,537
Jun 2023	803	39	11	196	0	36	199	8	17	2,814	4,123
May 2023	701	16	0	3	0	2	49	3	5	837	1,616
Apr 2023	455	24	15	91	0	1	22	1	9	543	1,161
Mar 2023	441	16	5	5	0	2	14	3	3	640	1,129
Feb 2023	494	10	5	10	0	2	8	2	7	597	1,135
Jan 2023	397	7	1	4	0	0	12	0	1	673	1,095
Dec 2022	421	2	0	6	0	4	27	9	5	667	1,141
Nov 2022	393	2	4	17	0	8	38	8	12	1,218	1,700
Oct 2022	287	1	0	0	0	4	36	9	6	1,226	1,569
Sep 2022	195	0	0	0	0	8	45	7	11	1,246	1,512

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

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

^c 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).

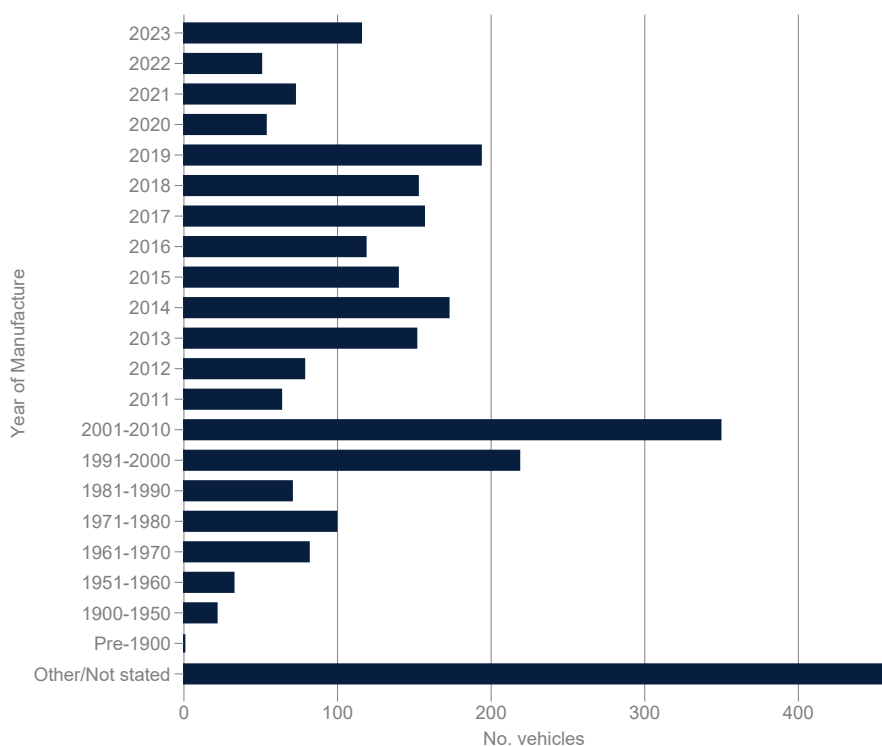
^d Total excludes Second Stage of Manufacture vehicles.

Sources: RAV and BITRE estimates.

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

Year of manufacture	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
2023	115	144	443	1,746	2,944
2022	50	58	124	534	796
2021	72	77	56	547	712
2020	53	94	54	620	810
2019	193	251	72	1,430	1,680
2018	152	294	240	2,655	3,555
2017	156	262	291	1,877	2,618
2016	118	158	101	1,293	1,711
2015	139	218	127	1,455	1,858
2014	172	229	151	1,621	2,132
2013	151	153	109	1,323	1,661
2012	78	134	122	939	1,285
2011	63	56	70	536	703
2001-2010	349	303	412	3,086	4,203
1991-2000	218	215	262	1,844	2,446
1981-1990	70	76	157	726	1,006
1971-1980	99	102	181	707	919
1961-1970	81	74	109	585	770
1951-1960	32	36	62	271	340
1900-1950	21	28	63	228	291
Pre-1900	0	1	0	4	5
Other/Not stated	456	379	4	2,705	2,711
Total	2,838	3,342	3,210	26,732	35,156

Sources: RAV and BITRE estimates.

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

Sources: RAV and BITRE estimates.

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

Month ^b	SEV approval criterion							Total
	Camper-vans and Motor-homes	Environ-mental	Left-Hand Drive	Mobility	Perfor-mance	Rarity	Not stated	
Sep 2024	254	944	62	123	279	7	0	1,669
Aug 2024	351	1,380	70	179	276	7	1	2,264
Jul 2024	317	1,344	60	159	306	10	0	2,196
Jun 2024	333	1,095	84	161	256	7	0	1,936
May 2024	280	1,357	55	233	288	5	0	2,218
Apr 2024	265	1,073	38	210	230	2	0	1,818
Mar 2024	215	1,072	39	201	205	10	0	1,742
Feb 2024	241	1,105	41	330	262	7	0	1,986
Jan 2024	245	928	39	223	221	4	0	1,660
Dec 2023	206	935	37	243	246	7	0	1,674
Nov 2023	353	1,000	31	270	260	10	0	1,924
Oct 2023	265	932	29	290	211	6	0	1,733
Sep 2023	268	695	14	333	220	9	4	1,543
Aug 2023	161	941	3	300	211	5	58	1,679
Jul 2023	53	520	0	195	189	11	25	993
Jun 2023	19	481	2	125	204	6	5	842
May 2023	6	392	4	176	130	4	5	717
Apr 2023	3	259	0	109	98	2	2	473
Mar 2023	6	236	0	113	92	7	2	456
Feb 2023	5	244	0	133	119	0	1	502
Jan 2023	3	224	0	95	80	2	0	404
Dec 2022	2	205	0	89	121	4	1	422
Nov 2022	1	90	0	1	41	0	261	394
Oct 2022	0	55	0	2	38	0	193	288
Sep 2022	0	30	0	2	27	0	136	195

^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, September 2024

Month ^a	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Light trailers	Not stated	Total
Sep 2024	179	2,253	1,284	142	53	1	0	3,912
Aug 2024	181	2,279	1,524	161	41	0	0	4,186
Jul 2024	205	2,466	1,388	147	28	0	0	4,234
Jun 2024	395	2,045	1,332	137	40	0	0	3,949
May 2024	529	3,202	1,423	173	30	0	0	5,357
Apr 2024	394	2,525	1,244	173	30	0	0	4,366
Mar 2024	557	2,679	1,162	139	24	0	0	4,561
Feb 2024	549	3,249	1,249	147	30	0	0	5,224
Jan 2024	267	2,897	842	170	25	0	0	4,201
Dec 2023	173	2,762	1,069	108	22	0	0	4,134
Nov 2023	234	3,027	1,237	155	29	0	0	4,682
Oct 2023	141	3,560	1,298	139	23	0	1	5,162
Sep 2023	130	5,527	1,043	42	21	0	0	6,763
Aug 2023	166	3,899	1,293	40	39	0	0	5,437
Jul 2023	119	3,009	971	30	37	0	0	4,166
Jun 2023	152	2,835	1,088	20	22	0	0	4,117
May 2023	143	3,043	998	29	32	0	0	4,245
Apr 2023	82	2,257	657	6	19	0	0	3,021
Mar 2023	117	3,140	764	54	15	0	0	4,090
Feb 2023	79	2,001	591	28	36	0	0	2,735
Jan 2023	85	1,849	498	29	15	0	0	2,476
Dec 2022	70	1,993	615	50	16	0	0	2,744
Nov 2022	63	2,584	736	1	19	0	0	3,403
Oct 2022	50	3,203	705	18	41	0	0	4,017
Sep 2022	60	2,495	739	34	7	0	0	3,335

^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, September 2024

Make	Model	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
Toyota	HILUX	1,818	1,902	4,706	19,174	26,835
	LANDCRUISER	420	403	414	3,297	4,444
	COMMUTER	44	22	12	168	207
	HIACE	19	31	5	176	236
	Other/Not stated	65	61	30	400	506
	Total	2,366	2,419	5,167	23,215	32,228
Ford	RANGER	284	352	241	3,476	4,366
	Other/Not stated	59	65	0	352	360
	Total	343	417	241	3,828	4,726
Isuzu	D-MAX	133	144	157	1,399	1,917
	NPS	21	32	22	220	295
	MU-X	12	21	27	275	358
	Other/Not stated	80	20	16	301	349
	Total	246	217	222	2,195	2,919
Mercedes-Benz	SPRINTER	172	193	92	1,193	1,553
	96X	31	23	1	170	203
	Other/Not stated	3	0	0	19	24
	Total	206	216	93	1,382	1,780
Nissan	NAVARA	162	179	285	1,892	2,633
	PATROL	19	22	51	2,069	2,344
	Other/Not stated	1	1	0	3	3
	Total	182	202	336	3,964	4,980
Fiat	DUCATO	126	198	56	1,326	1,698
	Other/Not stated	4	0	0	25	25
	Total	130	198	56	1,351	1,723
Renault	MASTER	101	96	75	510	639
	Other/Not stated	2	1	0	15	20
	Total	103	97	75	525	659
Mazda	BT-50	64	64	61	778	1,040
	Total	64	64	61	778	1,040
Volvo	KOR 2600	10	0	4	50	52
	Other/Not stated	54	30	14	387	536
	Total	64	30	18	437	588
Volkswagen	Other/Not stated	49	39	40	355	483
	Total	49	39	40	355	483
All other makes	Total	159	287	454	1,960	2,842
Total	Total	3,912	4,186	6,763	39,990	53,968

Sources: RAV and BITRE estimates.

RAV entries of caravans and camper trailers

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

Rank	Make	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
1	Jayco	572	576	742	5,425	7,900
2	Regent RV	307	224	208	2,205	3,094
3	Austrack Campers	267	184	114	1,936	2,516
4	Market Direct Campers	241	249	222	1,918	2,494
5	Ezytrail	185	188	230	1,513	2,117
6	Crusader	123	151	180	1,417	1,907
7	Design RV	79	60	61	490	690
8	Network RV	72	80	112	736	1,051
9	Stoney Creek Campers	69	70	81	675	926
10	Supreme Caravans	66	76	76	600	782
11	Leader Caravans	65	72	64	563	811
12	Essential Caravans	59	62	97	633	865
13	Lotus Caravans	54	54	70	462	594
14	New Age Caravans	50	73	137	761	1,122
15	Urban Caravans	50	49	25	403	571
16	Zone RV	50	52	40	437	544
17	Mars	47	41	16	500	588
18	Safari Caravans	36	14	16	168	260
19	Hilltop Caravans	32	36	29	261	355
20	Sunland RV	32	23	0	115	133
21	Other makes	1,135	1,311	1,745	11,962	17,283
Total	-	3,591	3,645	4,265	33,180	46,603

^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, September 2024^a

Tare weight	Sep 2024	Aug 2024	Sep 2023	Year to date	Last 12 months
<= 500kg	38	64	144	358	518
500-1000kg	149	141	136	1,154	1,610
1000-1500kg	323	316	413	2,965	4,290
1500-2000kg	512	512	655	5,125	7,115
2000-2500kg	1,395	1,296	1,529	13,002	18,245
2500-3000kg	1,036	1,125	1,251	9,388	13,238
3000-5000kg	138	191	137	1,185	1,581
> 5000kg	0	0	0	2	5
Not stated	0	0	0	1	1
Total	3,591	3,645	4,265	33,180	46,603

^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.

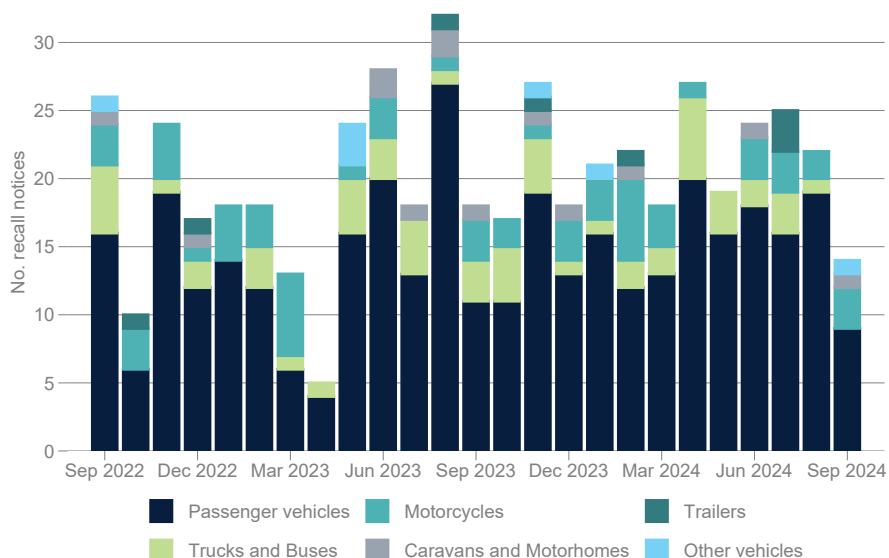
Vehicle recalls

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

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
Sep 2024	9	0	3	1	0	1	14
Aug 2024	19	1	2	0	0	0	22
Jul 2024	16	3	3	0	3	0	25
Jun 2024	18	2	3	1	0	0	24
May 2024	16	3	0	0	0	0	19
Apr 2024	20	6	1	0	0	0	27
Mar 2024	13	2	3	0	0	0	18
Feb 2024	12	2	6	1	1	0	22
Jan 2024	16	1	3	0	0	1	21
Dec 2023	13	1	3	1	0	0	18
Nov 2023	19	4	1	1	1	1	27
Oct 2023	11	4	2	0	0	0	17
Sep 2023	11	3	3	1	0	0	18
Aug 2023	27	1	1	2	1	0	32
Jul 2023	13	4	0	1	0	0	18
Jun 2023	20	3	3	2	0	0	28
May 2023	16	4	1	0	0	3	24
Apr 2023	4	1	0	0	0	0	5
Mar 2023	6	1	6	0	0	0	13
Feb 2023	12	3	3	0	0	0	18
Jan 2023	14	0	4	0	0	0	18
Dec 2022	12	2	1	1	1	0	17
Nov 2022	19	1	4	0	0	0	24
Oct 2022	6	0	3	0	1	0	10
Sep 2022	16	5	3	1	0	1	26

Sources: ROVER and BITRE estimates.

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



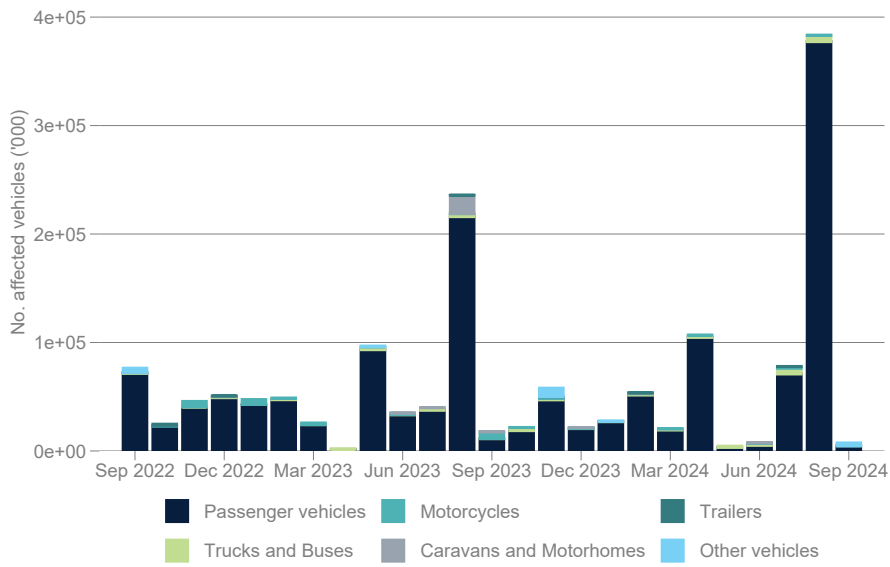
Sources: DITRDCA ROVER and BITRE estimates.

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

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
Sep 2024	4,577	0	238	3	0	2,650	7,468
Aug 2024	377,297	5,704	476	0	0	0	383,477
Jul 2024	70,899	5,234	1,548	0	295	0	77,976
Jun 2024	5,094	1,779	457	476	0	0	7,806
May 2024	3,168	1,324	0	0	0	0	4,492
Apr 2024	104,603	2,045	200	0	0	0	106,848
Mar 2024	19,247	913	535	0	0	0	20,695
Feb 2024	51,482	1,210	765	26	128	0	53,611
Jan 2024	26,900	255	130	0	0	443	27,728
Dec 2023	20,562	155	887	62	0	0	21,666
Nov 2023	47,041	1,316	842	50	471	8,262	57,982
Oct 2023	18,668	2,847	224	0	0	0	21,739
Sep 2023	11,313	56	6,092	449	0	0	17,910
Aug 2023	215,927	2,828	40	16,999	9	0	235,803
Jul 2023	37,427	2,419	0	36	0	0	39,882
Jun 2023	33,244	334	1,371	72	0	0	35,021
May 2023	93,280	2,711	72	0	0	729	96,792
Apr 2023	1,479	525	0	0	0	0	2,004
Mar 2023	24,225	30	1,627	0	0	0	25,882
Feb 2023	47,173	1,225	511	0	0	0	48,909
Jan 2023	42,786	0	4,702	0	0	0	47,488
Dec 2022	49,037	896	516	303	5	0	50,757
Nov 2022	40,538	61	5,140	0	0	0	45,739
Oct 2022	22,770	0	787	0	1,220	0	24,777
Sep 2022	71,334	669	370	20	0	4,000	76,393

Sources: ROVER and BITRE estimates.

Figure 14 Vehicle recalls, total vehicles affected, by vehicle type, September 2022 to September 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 webpage⁷ 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 pathway⁸

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)

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

⁸ 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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