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

BUREAU OF INFRASTRUCTURE AND TRANSPORT RESEARCH ECONOMICS
STATISTICAL REPORT



Road

Road vehicle entry and recall statistics

December 2024

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Road vehicle entry and recall statistics

December 2024

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

Canberra, Australia

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Foreword

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

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

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

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

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

Georgia O’Cianain

Head of Bureau
Bureau of Infrastructure and Transport Research Economics
January 2025

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Highlights – December 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 December 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 109,045 road vehicles entered on the RAV in December 2024, 3.9 per cent lower than total entries in December 2023 (i.e. 113,424 vehicles).¹
- There were 106,831 type approval vehicles entered in December 2024, 3.6 per cent lower than total type approved vehicles entries in December 2023 (i.e. 110,841 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 2,214 vehicles in the month of December 2024, 14.3 per cent lower than concessional RAV approval entries in December 2023 (i.e. 2,583 vehicles).

Type approval RAV entries by vehicle category

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

- 66,611 passenger vehicle RAV entries, 3.7 per cent higher than in December 2023
- 16,822 light commercial vehicle (LCV) RAV entries, 24 per cent lower than in December 2023
- 3,310 medium goods vehicle RAV entries, 10.3 per cent higher than in December 2023
- 1,328 heavy goods vehicle RAV entries, 5.1 per cent lower than in December 2023
- 268 bus RAV entries, 1.8 per cent lower than in December 2023, and
- 5,947 motorcycle RAV entries, 8.3 per cent lower than in December 2023.

Type approval RAV entries by vehicle make

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

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

Concessional RAV entry approval vehicles

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

- 1,198 passenger vehicles
- 208 LCVs
- 41 medium goods vehicles
- 21 heavy goods vehicles, and
- 314 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 1,447 specialist and enthusiast vehicles (SEVs) entries on the RAV in December 2024.
- There were 845 SEV RAV entries in December 2024 under environmental criterion.

Second stage of manufacture (SSM) RAV entries

- There were 3,472 SSM RAV entries in December 2024, comprising:
 - 1,967 light commercial vehicles
 - 1,095 medium goods vehicles
 - 278 passenger vehicles, and
 - 132 other vehicles.

Type approval trailer RAV entries

- In the month of December 2024 there were:
 - 3,075 type approved very light trailer RAV entries²
 - 7,971 type approved light trailer RAV entries
 - 695 type approved medium trailer RAV entries, and
 - 804 type approved heavy trailer RAV entries.
- There were 9,026 type approval low ATM trailers entered on the RAV in December 2024, the top five makes were: Stonegate Industries, Victorian Trailers, Telwater Trailers, Dunbier and All States Trailers.
- There were 864 type approval high ATM trailers entered on the RAV in December 2024, the top five makes were: Maxitrans, Vawdrey, AAA Trailers, Graham Lusty Trailers and FWR.
- Type approved trailer RAV entries included approximately 2,969 caravans and camper trailers in the month of December 2024.³ The top five makes were: Jayco, Austrack Campers, Regent RV, Ezytrail and Market Direct Campers.

Vehicle recall notices

- In December 2024 there were 26 recall notices published on the Department's website, covering approximately 55,067 vehicles.
- As at 31 December 2024 there were 5,203 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 – 3,421 notices (covering 19,789,235 vehicles)
 - Trucks and buses – 809 notices (covering 576,411 vehicles)
 - Motorcycles – 826 notices (covering 501,425 vehicles)
 - Caravans/motorhomes – 72 notices (covering 44,939 vehicles)
 - Trailers – 45 notices (covering 19,307 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 December 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, December 2024^a

Month ^b	Approval category		Total ^c
	Type approval	Concessional approval	
Dec 2024	106,831	2,214	109,045
Nov 2024	111,996	2,422	114,418
Oct 2024	133,317	3,086	136,403
Sep 2024	103,479	2,835	106,314
Aug 2024	125,415	3,341	128,756
Jul 2024	130,965	3,363	134,328
Jun 2024	120,374	2,968	123,342
May 2024	141,079	3,144	144,223
Apr 2024	139,428	2,752	142,180
Mar 2024	125,534	2,596	128,130
Feb 2024	128,619	3,057	131,676
Jan 2024	125,996	2,659	128,655
Dec 2023	110,841	2,583	113,424
Nov 2023	142,407	3,034	145,441
Oct 2023	141,172	2,806	143,978
Sep 2023	139,482	3,210	142,692
Aug 2023	152,603	3,280	155,883
Jul 2023	140,807	2,537	143,344
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	111,768	1,129	112,897
Feb 2023	92,506	1,135	93,641
Jan 2023	101,366	1,095	102,461
Dec 2022	104,651	1,141	105,792

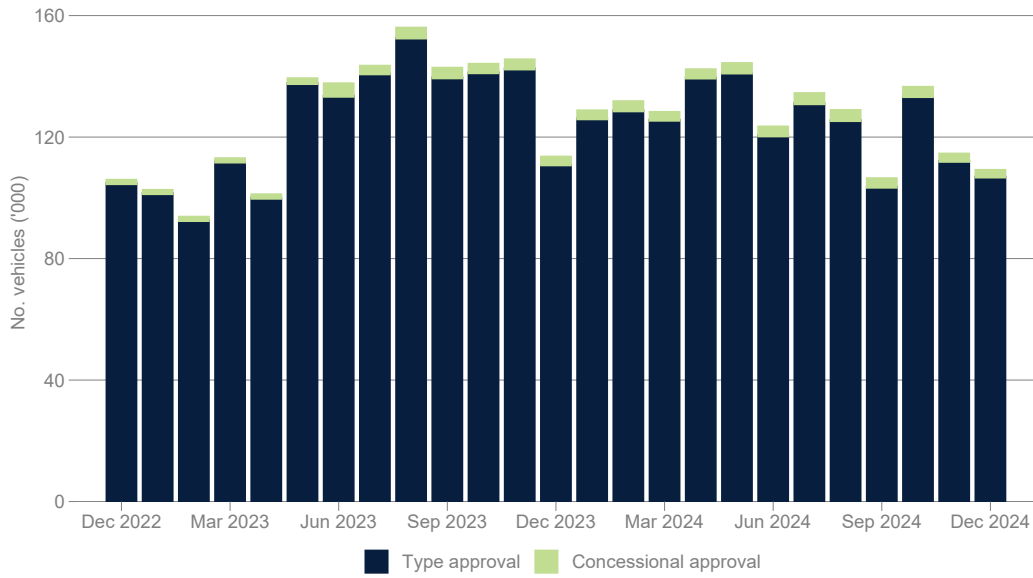
^a Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

^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.

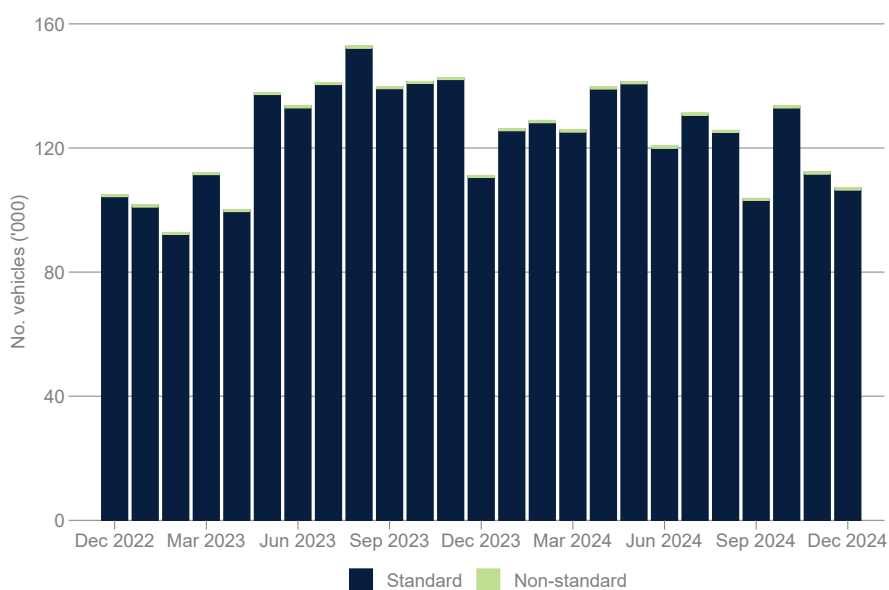
Table 2 Type approval RAV vehicle entries, by entry pathway and month, December 2024^a

Month ^b	Type approvals			Total ^c
	Standard	Non-standard	SSM	
Dec 2024	106,785	46	3,472	106,831
Nov 2024	111,911	85	4,082	111,996
Oct 2024	133,207	110	4,050	133,317
Sep 2024	103,386	93	3,853	103,479
Aug 2024	125,304	111	4,151	125,415
Jul 2024	130,861	104	4,203	130,965
Jun 2024	120,227	147	3,925	120,374
May 2024	140,976	103	5,347	141,079
Apr 2024	139,308	120	4,363	139,428
Mar 2024	125,459	75	4,553	125,534
Feb 2024	128,427	192	5,214	128,619
Jan 2024	125,844	152	4,195	125,996
Dec 2023	110,780	61	4,136	110,841
Nov 2023	142,345	62	4,688	142,407
Oct 2023	141,095	77	5,157	141,172
Sep 2023	139,392	90	6,763	139,482
Aug 2023	152,472	131	5,435	152,603
Jul 2023	140,730	77	4,152	140,807
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	111,699	69	4,084	111,768
Feb 2023	92,437	69	2,732	92,506
Jan 2023	101,290	76	2,445	101,366
Dec 2022	104,606	45	2,740	104,651

^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, December 2024^a

Month ^b	Concessional RAV entry approvals							Total ^d
	RAWS-SEV ^c	RAWS-SSM ^c	Trailer	Older vehicle	SPV ^c	Personal	RAV suitable	
Dec 2024	1,447	0	314	315	21	95	22	2,214
Nov 2024	1,624	0	359	322	6	81	30	2,422
Oct 2024	2,017	0	410	495	40	93	31	3,086
Sep 2024	1,669	0	430	467	115	121	33	2,835
Aug 2024	2,264	0	461	476	4	102	34	3,341
Jul 2024	2,196	1	428	526	80	97	36	3,363
Jun 2024	1,935	0	332	419	84	77	121	2,968
May 2024	2,218	0	382	343	96	85	20	3,144
Apr 2024	1,817	0	371	440	27	63	34	2,752
Mar 2024	1,741	0	334	299	88	88	46	2,596
Feb 2024	1,986	0	426	419	67	118	41	3,057
Jan 2024	1,659	0	385	467	24	101	23	2,659
Dec 2023	1,673	1	397	328	26	138	21	2,583
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

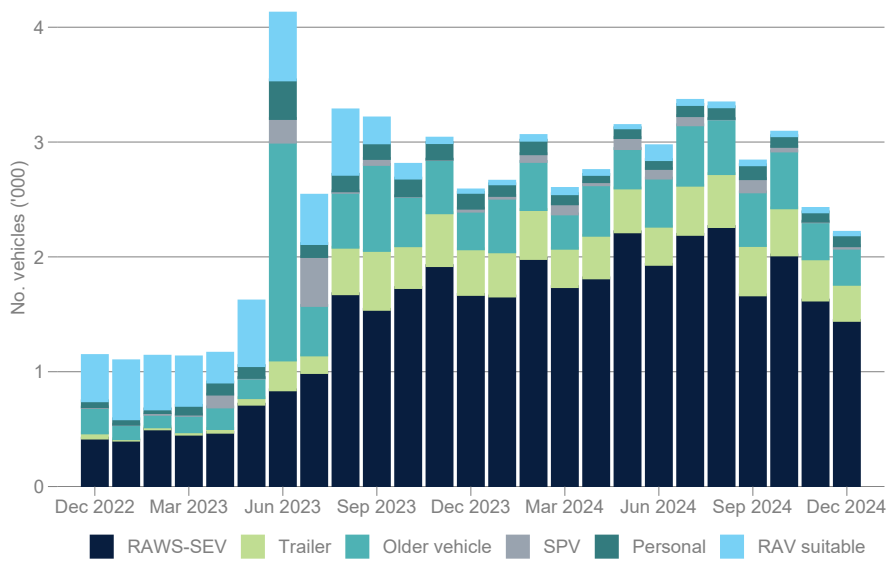
^a Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

^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, December 2024^a

Month ^b	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Motorcycles	Total ^c
Dec 2024	66,611	16,822	3,310	1,328	268	5,947	94,286
Nov 2024	70,108	16,885	3,619	1,438	374	4,655	97,079
Oct 2024	83,583	20,140	4,843	1,889	867	5,997	117,319
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	80,668	22,628	4,419	2,110	741	5,063	115,629
Jun 2024	78,375	17,993	4,178	1,856	635	3,026	106,063
May 2024	87,817	23,563	4,688	2,268	805	6,545	125,686
Apr 2024	87,075	24,627	4,608	2,051	486	7,157	126,004
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	1,400	273	6,486	97,543
Nov 2023	80,348	31,546	4,496	1,973	451	5,548	124,362
Oct 2023	83,776	29,188	3,581	2,343	413	5,796	125,097
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	1,960	359	6,910	107,828
Feb 2023	61,103	15,550	3,947	1,944	251	6,608	89,403
Jan 2023	69,444	18,486	3,677	1,752	261	5,772	99,392
Dec 2022	70,144	20,442	3,040	1,420	300	6,826	102,172

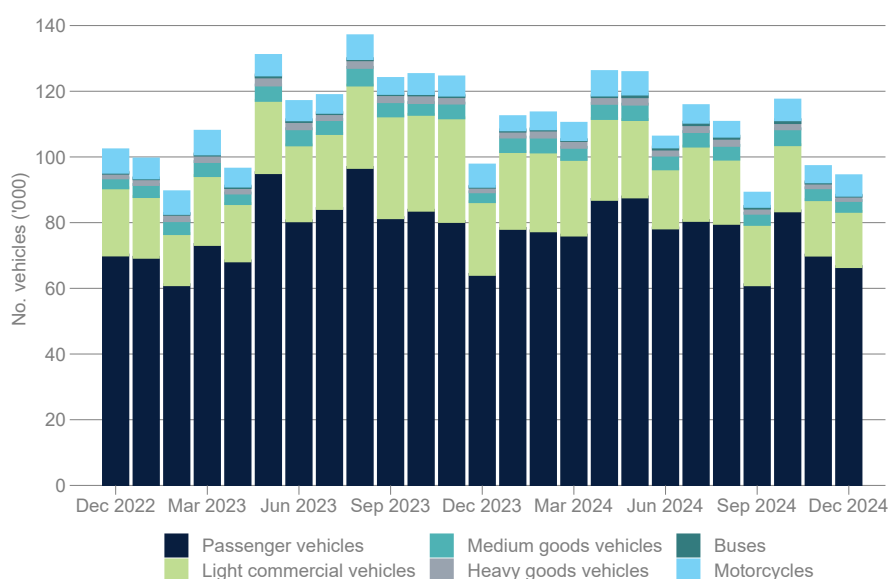
^a Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

^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 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, December 2024^{ab}

Month ^c	Very light trailers	Light trailers	Medium trailers	Heavy trailers	Total ^d
Dec 2024	3,075	7,971	695	804	12,545
Nov 2024	3,470	9,375	650	1,422	14,917
Oct 2024	3,141	10,591	708	1,558	15,998
Sep 2024	2,833	9,491	624	1,553	14,501
Aug 2024	2,449	10,132	711	1,580	14,872
Jul 2024	3,055	10,042	671	1,568	15,336
Jun 2024	2,579	9,638	564	1,530	14,311
May 2024	2,472	10,538	679	1,704	15,393
Apr 2024	2,357	8,870	633	1,564	13,424
Mar 2024	3,076	10,136	596	1,478	15,286
Feb 2024	2,895	10,204	541	1,552	15,192
Jan 2024	3,175	8,538	431	1,578	13,722
Dec 2023	2,782	8,879	548	1,089	13,298
Nov 2023	3,305	12,359	625	1,756	18,045
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	14,028	536	1,556	22,106
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	78	1,796	41	1,188	3,103
Jan 2023	68	765	38	1,103	1,974
Dec 2022	120	1,505	50	804	2,479

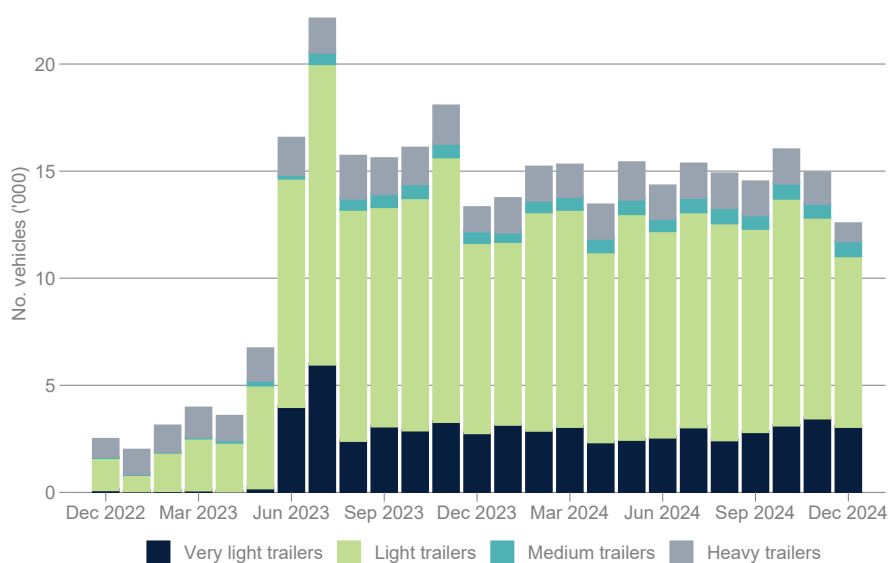
^a Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

^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.

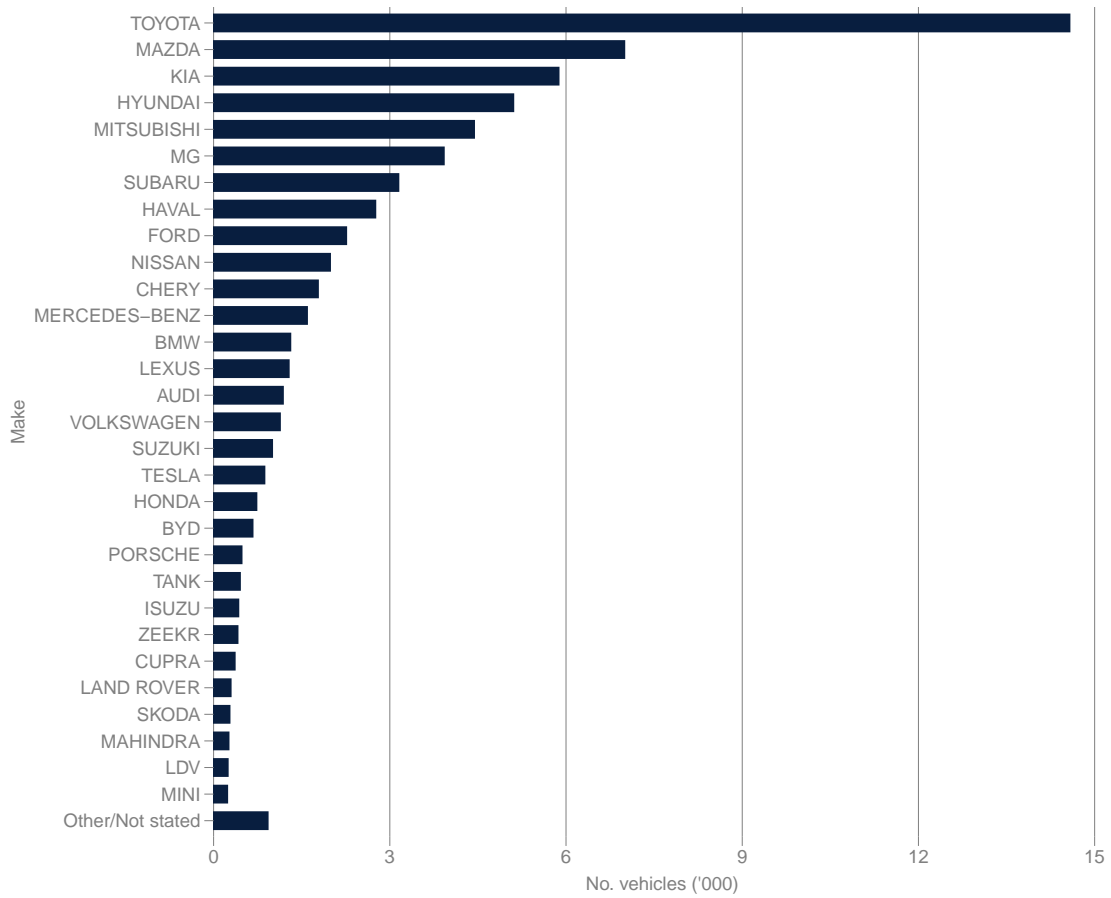
Type approval RAV entries by vehicle class and make

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

Rank	Make	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
1	Toyota	14,563	14,156	12,385	160,639	160,639
2	Mazda	6,984	7,930	7,071	87,299	87,299
3	Kia	5,865	2,082	4,614	85,194	85,194
4	Hyundai	5,094	4,224	4,792	69,837	69,837
5	Mitsubishi	4,426	4,093	4,983	56,847	56,847
6	MG	3,911	4,038	3,597	47,149	47,149
7	Subaru	3,138	2,986	3,535	41,221	41,221
8	Haval	2,745	2,305	1,849	26,995	26,995
9	Ford	2,249	3,908	1,286	32,492	32,492
10	Nissan	1,974	3,169	2,476	34,607	34,607
11	Chery	1,768	1,629	438	13,132	13,132
12	Mercedes-Benz	1,582	1,740	1,249	21,172	21,172
13	BMW	1,298	2,588	1,155	25,564	25,564
14	Lexus	1,271	1,233	782	13,788	13,788
15	Audi	1,172	1,274	924	15,970	15,970
16	Volkswagen	1,121	1,111	969	24,532	24,532
17	Suzuki	988	2,072	1,025	21,654	21,654
18	Tesla	857	1,452	1,923	35,885	35,885
19	Honda	721	1,642	2,231	15,717	15,717
20	BYD	655	719	766	17,559	17,559
21	Porsche	468	444	313	7,283	7,283
22	Tank	440	524	300	5,734	5,734
23	Isuzu	413	300	1,481	18,520	18,520
24	Zeekr	399	136	0	719	719
25	Cupra	351	161	245	2,479	2,479
26	Land Rover	282	608	320	7,666	7,666
27	Skoda	263	263	517	3,982	3,982
28	Mahindra	246	0	442	3,899	3,899
29	LDV	232	151	258	1,889	1,889
30	MINI	223	389	191	4,468	4,468
31	Other/Not stated	912	2,781	2,124	23,165	23,165
Total	-	66,611	70,108	64,241	927,057	927,057

^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, December 2024

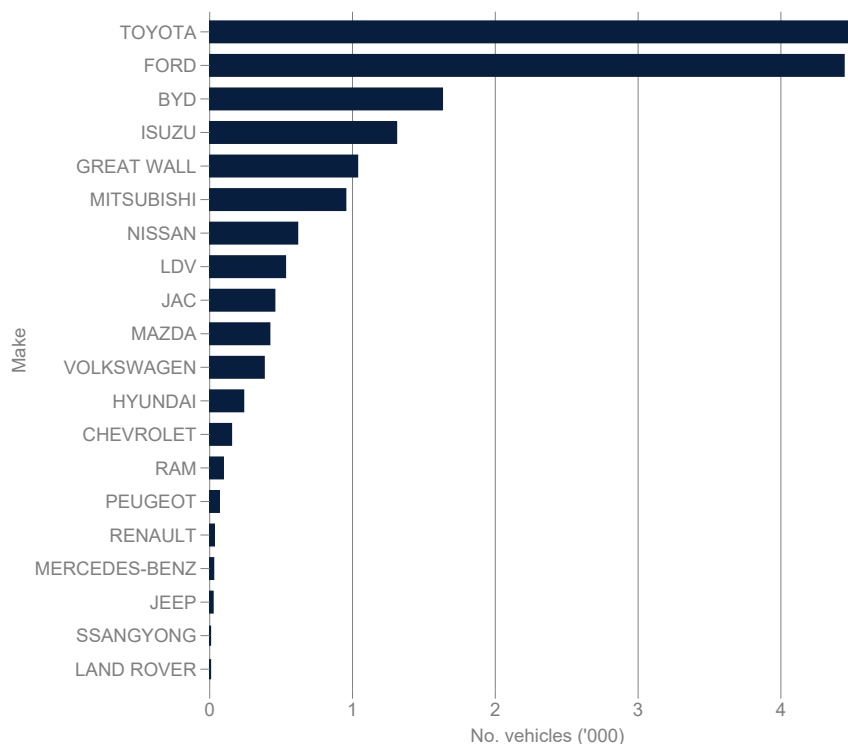


Sources: RAV and BITRE estimates.

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

Rank	Make	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
1	Toyota	4,507	4,397	4,610	64,290	64,290
2	Ford	4,437	5,197	5,892	71,797	71,797
3	BYD	1,624	14	0	1,638	1,638
4	Isuzu	1,303	1,887	3,663	27,025	27,025
5	Great Wall	1,030	745	621	9,491	9,491
6	Mitsubishi	947	752	1,402	17,336	17,336
7	Nissan	610	848	776	9,878	9,878
8	LDV	525	767	999	9,032	9,032
9	Jac	450	98	0	724	724
10	Mazda	415	1,107	1,525	12,824	12,824
11	Volkswagen	376	394	1,442	9,864	9,864
12	Hyundai	232	160	148	3,685	3,685
13	Chevrolet	147	182	236	2,822	2,822
14	RAM	90	203	280	3,672	3,672
15	Peugeot	62	24	191	716	716
16	Renault	27	29	2	1,564	1,564
17	Mercedes-Benz	22	17	29	405	405
18	Jeep	18	63	34	516	516
19	Land Rover	0	0	0	5	5
20	Ssangyong	0	1	293	3,726	3,726
Total	-	16,822	16,885	22,143	251,010	251,010

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

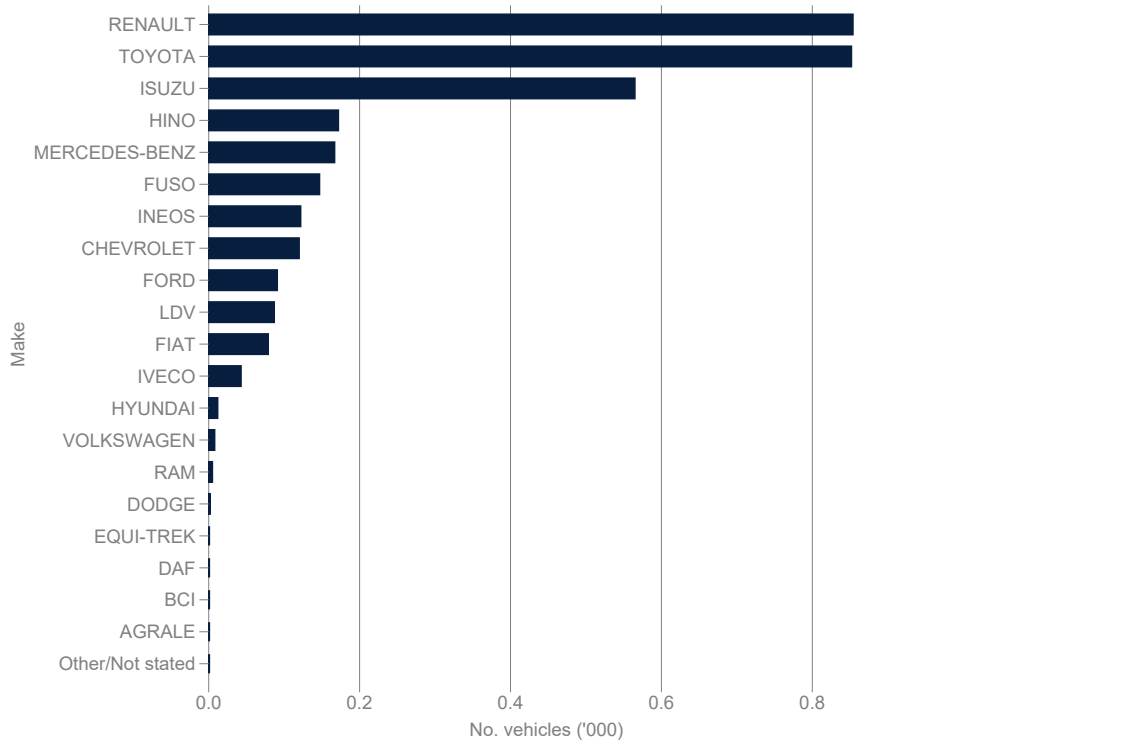
Figure 7 Type approval RAV entries, light commercial vehicles, top 20 makes, December 2024

Sources: RAV and BITRE estimates.

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

Rank	Make	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
1	Renault	853	158	28	3,129	3,129
2	Toyota	851	1,243	1,126	13,467	13,467
3	Isuzu	564	662	591	8,790	8,790
4	Hino	171	199	97	3,224	3,224
5	Mercedes-Benz	166	339	134	4,568	4,568
6	Fuso	146	176	199	2,903	2,903
7	Ineos	121	53	120	942	942
8	Chevrolet	119	136	88	1,637	1,637
9	Ford	90	212	0	2,472	2,472
10	LDV	86	153	318	2,663	2,663
11	Fiat	78	138	39	2,101	2,101
12	IVECO	42	118	34	1,610	1,610
13	Hyundai	11	18	18	342	342
14	Volkswagen	7	3	70	724	724
15	RAM	4	7	57	275	275
16	Dodge	1	0	66	803	803
17	Agrale	0	0	0	4	4
18	BCI	0	0	0	2	2
19	DAF	0	0	0	3	3
20	Equi-Trek	0	0	0	5	5
21	Other/Not stated	0	4	15	226	226
Total	-	3,310	3,619	3,000	49,890	49,890

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

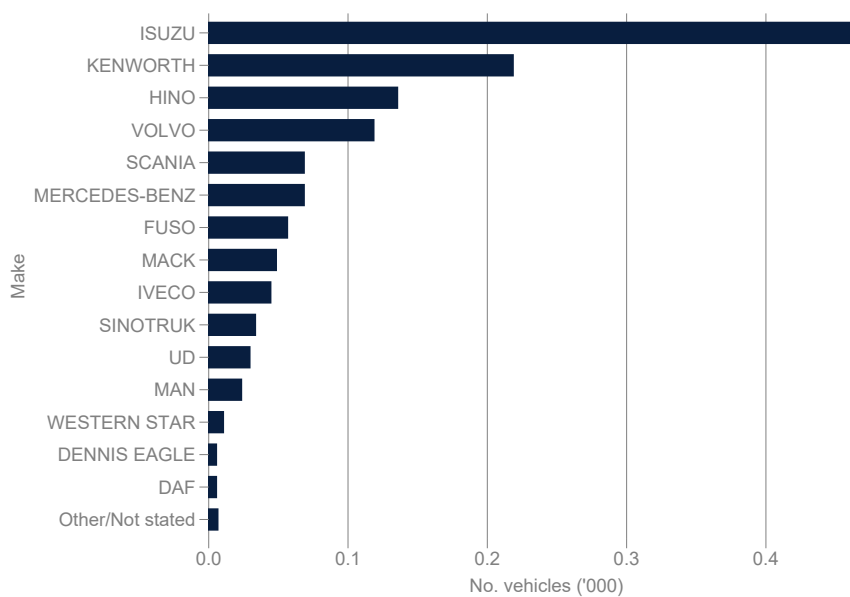
Figure 8 Type approval RAV entries, medium goods vehicles, top 20 makes, December 2024

Sources: RAV and BITRE estimates.

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

Rank	Make	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
1	Isuzu	462	365	263	4,650	4,650
2	Kenworth	218	280	270	4,087	4,087
3	Hino	135	137	19	2,288	2,288
4	Volvo	118	217	197	3,037	3,037
5	Mercedes-Benz	68	102	57	1,387	1,387
6	Scania	68	70	91	1,288	1,288
7	Fuso	56	42	94	1,112	1,112
8	Mack	48	62	80	776	776
9	IVECO	44	18	18	634	634
10	Sinotruk	33	48	66	544	544
11	UD	29	30	110	657	657
12	MAN	23	18	26	464	464
13	Western Star	10	7	12	271	271
14	DAF	5	14	60	997	997
15	Dennis Eagle	5	7	5	133	133
16	Other/Not stated	6	21	32	389	389
Total	-	1,328	1,438	1,400	22,714	22,714

^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, December 2024

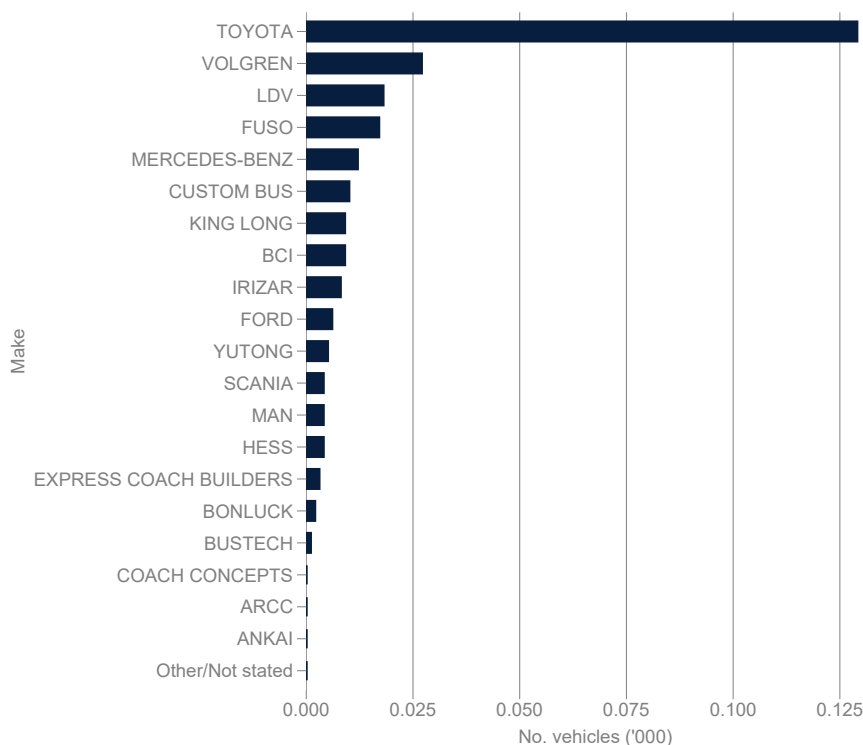
Sources: RAV and BITRE estimates.

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

Rank	Make	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
1	Toyota	129	182	132	3,114	3,114
2	Volgren	27	54	19	568	568
3	LDV	18	37	26	463	463
4	Fuso	17	14	34	262	262
5	Mercedes-Benz	12	1	3	120	120
6	Custom Bus	10	7	11	116	116
7	BCI	9	9	7	315	315
8	King Long	9	1	1	119	119
9	Irizar	8	4	2	205	205
10	Ford	6	34	0	198	198
11	Yutong	5	15	16	358	358
12	Hess	4	0	0	34	34
13	MAN	4	1	0	38	38
14	Scania	4	8	11	46	46
15	Express Coach Builders	3	4	4	26	26
16	Bonluck	2	0	0	55	55
17	Bustech	1	0	2	24	24
18	Ankai	0	0	0	0	0
19	ARCC	0	0	0	2	2
20	Coach Concepts	0	2	1	24	24
21	Other/Not stated	0	1	4	270	270
Total	-	268	374	273	6,357	6,357

^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, December 2024

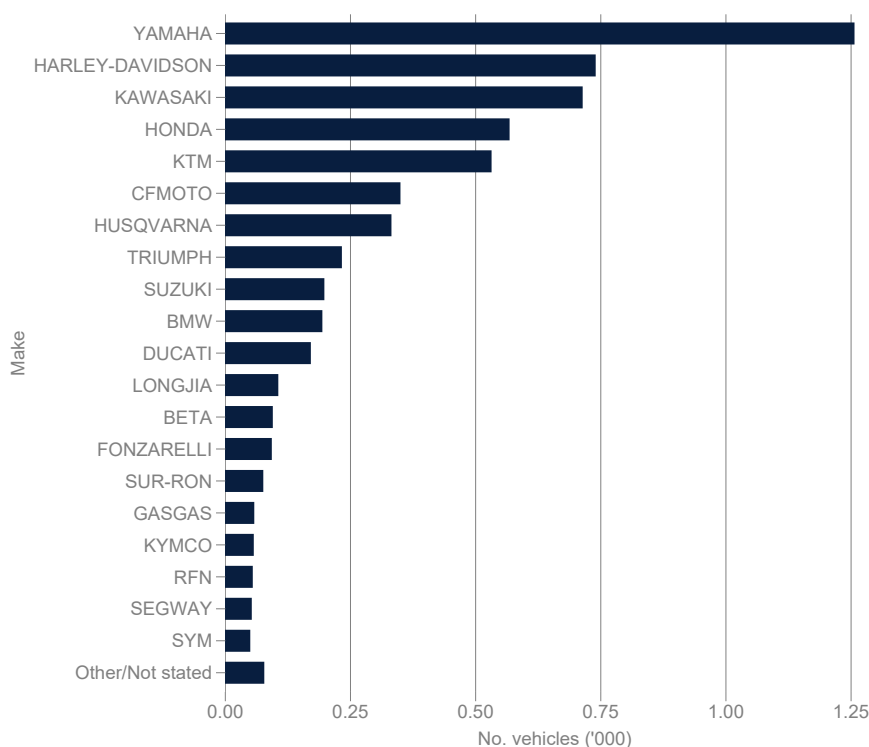


Sources: RAV and BITRE estimates.

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

Rank	Make	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
1	Yamaha	1,254	811	1,142	8,717	8,717
2	Harley-Davidson	737	84	643	5,168	5,168
3	Kawasaki	711	762	376	5,852	5,852
4	Honda	565	487	322	8,860	8,860
5	KTM	529	245	1,548	5,227	5,227
6	CFMoto	347	250	124	3,451	3,451
7	Husqvarna	329	99	424	1,683	1,683
8	Triumph	230	352	239	2,877	2,877
9	Suzuki	195	274	202	2,532	2,532
10	BMW	191	280	211	3,574	3,574
11	Ducati	168	337	104	1,826	1,826
12	Longjia	103	0	0	459	459
13	Beta	92	0	38	722	722
14	Fonzarelli	90	4	48	268	268
15	Sur-Ron	73	0	0	258	258
16	GASGAS	55	29	246	557	557
17	Kymco	54	54	217	1,537	1,537
18	Rfn	52	0	0	52	52
19	Segway	50	0	0	213	213
20	Sym	47	1	3	292	292
21	Other/Not stated	75	586	599	6,383	6,383
Total	-	5,947	4,655	6,486	60,508	60,508

^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, December 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, December 2024^a

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
Toyota	RAV4	6,467	5,777	2,427	61,786	61,786
	LANDCRUISER PRADO	2,825	2,821	2,205	9,217	9,217
	COROLLA	2,485	2,493	2,750	32,970	32,970
	YARIS	1,018	812	897	10,613	10,613
	Other/Not stated	1,768	2,253	4,106	46,053	46,053
	Total	14,563	14,156	12,385	160,639	160,639
Mazda	CX-3	1,708	1,641	1,341	21,568	21,568
	CX-5	1,311	1,204	2,670	23,257	23,257
	MAZDA 3	1,154	1,430	1,207	11,675	11,675
	CX-30	640	1,583	571	14,035	14,035
	MAZDA 2	621	313	357	6,752	6,752
	MAZDA 6	445	230	118	1,810	1,810
	CX-60	395	553	165	3,569	3,569
	Other/Not stated	710	976	642	4,633	4,633
Total	6,984	7,930	7,071	87,299	87,299	
Kia	SPORTAGE	1,976	491	597	23,657	23,657
	PICANTO	1,033	352	162	6,562	6,562
	RIO	768	597	422	6,949	6,949
	SORENTO	751	257	1,005	9,610	9,610
	CARNIVAL	638	198	514	10,111	10,111
	SELTOS	334	108	384	7,723	7,723
	Other/Not stated	365	79	1,530	20,582	20,582
	Total	5,865	2,082	4,614	85,194	85,194
Hyundai	VENUE	1,091	528	370	7,786	7,786
	TUCSON	1,009	1,329	1,429	19,173	19,173
	KONA	924	823	990	17,400	17,400
	SANTA FE	882	120	316	5,348	5,348
	I30	616	974	1,184	13,643	13,643
	Other/Not stated	572	450	503	6,487	6,487
	Total	5,094	4,224	4,792	69,837	69,837
Mitsubishi	OUTLANDER	1,997	2,008	2,325	27,220	27,220
	ASX	1,375	1,319	1,026	13,172	13,172
	ECLIPSE	703	461	790	9,675	9,675
	PAJERO	351	305	842	6,780	6,780
	Total	4,426	4,093	4,983	56,847	56,847
MG	MG3	1,205	1,169	625	12,441	12,441
	AZS1	825	1,625	1,612	18,702	18,702
	MG4	723	661	524	6,238	6,238
	HS	502	349	299	4,944	4,944
	Other/Not stated	656	234	537	4,824	4,824
	Total	3,911	4,038	3,597	47,149	47,149
Subaru	FORESTER	1,176	1,170	1,360	13,710	13,710
	CROSSTREK	902	789	1,064	11,674	11,674
	OUTBACK	620	655	614	10,319	10,319
	IMPREZA	185	142	260	2,011	2,011
	Other/Not stated	255	230	237	3,507	3,507
	Total	3,138	2,986	3,535	41,221	41,221
Haval	JOLION	1,705	1,394	1,064	14,635	14,635
	H6	1,040	911	785	12,360	12,360
	Total	2,745	2,305	1,849	26,995	26,995
Ford	EVEREST	1,904	2,959	943	28,514	28,514
	MUSTANG	276	895	210	3,131	3,131
	Other/Not stated	69	54	133	847	847
	Total	2,249	3,908	1,286	32,492	32,492

(continued)

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

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
Nissan	X-TRAIL	1,391	2,607	932	18,276	18,276
	JUKE	230	171	302	1,114	1,114
	PATROL	184	157	700	8,134	8,134
	QASHQAI	107	88	400	5,606	5,606
	Other/Not stated	62	146	142	1,477	1,477
	Total	1,974	3,169	2,476	34,607	34,607
Chery	OMODA 5	367	588	0	5,972	5,972
	TIGGO 8	236	440	0	2,751	2,751
	Other/Not stated	1,165	601	438	4,409	4,409
	Total	1,768	1,629	438	13,132	13,132
Mercedes-Benz	X254	493	382	239	4,743	4,743
	H247	222	313	108	3,211	3,211
	177	157	129	125	2,096	2,096
	206	134	99	182	2,058	2,058
	X247	102	113	36	1,386	1,386
	Other/Not stated	474	704	559	7,678	7,678
	Total	1,582	1,740	1,249	21,172	21,172
BMW	X1	222	287	114	4,565	4,565
	4 SERIES	210	238	68	3,067	3,067
	X2	207	198	0	2,174	2,174
	X SERIES	206	706	601	8,896	8,896
	3 SERIES	75	226	76	2,203	2,203
	Other/Not stated	378	933	296	4,659	4,659
	Total	1,298	2,588	1,155	25,564	25,564
	Lexus	NX AZ2	467	522	283	6,296
RX AL3		214	206	112	2,245	2,245
UX ZA1		136	57	165	787	787
ES XZ1L		123	60	93	996	996
Other/Not stated		331	388	129	3,464	3,464
Total		1,271	1,233	782	13,788	13,788
Audi	Q5	352	258	388	2,953	2,953
	Q3	268	714	132	5,724	5,724
	Other/Not stated	552	302	404	7,293	7,293
	Total	1,172	1,274	924	15,970	15,970
Volkswagen	TIGUAN	426	348	617	7,776	7,776
	GOLF	319	252	11	3,144	3,144
	T-ROC	161	142	184	7,826	7,826
	T-CROSS	106	56	19	2,166	2,166
	Other/Not stated	109	313	138	3,620	3,620
	Total	1,121	1,111	969	24,532	24,532
Suzuki	JIMNY	463	1,045	528	10,408	10,408
	SWIFT	306	493	212	6,004	6,004
	VITARA	149	354	151	2,837	2,837
	IGNIS	52	142	110	1,764	1,764
	Other/Not stated	18	38	24	641	641
	Total	988	2,072	1,025	21,654	21,654
Tesla	MODEL 3	839	621	1,623	16,094	16,094
	Other/Not stated	18	831	300	19,791	19,791
	Total	857	1,452	1,923	35,885	35,885
Honda	ZR-V	285	249	632	4,926	4,926
	CR-V	227	851	1,154	6,125	6,125
	HR-V	112	447	445	3,490	3,490
	CIVIC	90	82	0	1,036	1,036
	Other/Not stated	7	13	0	140	140
	Total	721	1,642	2,231	15,717	15,717

(continued)

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

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
BYD	ATTO3	154	110	0	2,291	2,291
	Other/Not stated	501	609	766	15,268	15,268
	Total	655	719	766	17,559	17,559
Porsche	MACAN	277	214	179	3,285	3,285
	CAYENNE	76	83	73	1,773	1,773
	982	26	22	6	872	872
	Other/Not stated	89	125	55	1,353	1,353
	Total	468	444	313	7,283	7,283
Tank	300	268	377	299	3,737	3,737
	500	172	147	1	1,997	1,997
	Total	440	524	300	5,734	5,734
Isuzu	MU-X	413	300	1,481	18,520	18,520
	Total	413	300	1,481	18,520	18,520
Zeekr	Other/Not stated	399	136	0	719	719
	Total	399	136	0	719	719
Cupra	FORMENTOR	278	85	124	1,379	1,379
	LEON	31	34	58	375	375
	BORN	22	23	54	420	420
	ATECA	20	19	9	304	304
	Other/Not stated	0	0	0	1	1
	Total	351	161	245	2,479	2,479
All other makes	Total	2,158	4,192	3,852	45,069	45,069
Total	Total	66,611	70,108	64,241	927,057	927,057

^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, December 2024^a

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
Toyota	HILUX	3,349	3,305	4,072	51,344	51,344
	HIACE	1,158	1,092	538	12,946	12,946
	Total	4,507	4,397	4,610	64,290	64,290
Ford	RANGER	4,185	4,798	5,439	63,071	63,071
	Other/Not stated	252	399	453	8,726	8,726
	Total	4,437	5,197	5,892	71,797	71,797
BYD	Other/Not stated	1,624	14	0	1,638	1,638
	Total	1,624	14	0	1,638	1,638
Isuzu	D-MAX	1,303	1,887	3,663	27,025	27,025
	Total	1,303	1,887	3,663	27,025	27,025
Great Wall	CANNON	1,030	745	621	9,491	9,491
	Total	1,030	745	621	9,491	9,491
Mitsubishi	TRITON	947	752	1,402	17,336	17,336
	Total	947	752	1,402	17,336	17,336
Nissan	NAVARA	610	848	776	9,878	9,878
	Total	610	848	776	9,878	9,878
LDV	T60	205	487	658	6,174	6,174
	G10	133	157	306	2,334	2,334
	Other/Not stated	187	123	35	524	524
	Total	525	767	999	9,032	9,032
Jac	Other/Not stated	450	98	0	724	724
	Total	450	98	0	724	724
Mazda	BT-50	415	1,107	1,525	12,824	12,824
	Total	415	1,107	1,525	12,824	12,824
Volkswagen	TRANSPORTER	22	5	94	857	857
	CADDY	19	10	72	765	765
	Other/Not stated	335	379	1,276	8,242	8,242
	Total	376	394	1,442	9,864	9,864
Hyundai	STARIA	232	160	148	3,685	3,685
	Total	232	160	148	3,685	3,685
Chevrolet	SILVERADO	147	182	236	2,822	2,822
	Total	147	182	236	2,822	2,822
RAM	1500	90	203	280	3,672	3,672
	Total	90	203	280	3,672	3,672
Peugeot	PARTNER	57	24	91	430	430
	EXPERT	5	0	100	286	286
	Other/Not stated	0	0	0	0	0
	Total	62	24	191	716	716
Renault	TRAFIC	21	29	2	1,271	1,271
	Other/Not stated	6	0	0	293	293
	Total	27	29	2	1,564	1,564
Mercedes-Benz	VITO	22	17	25	401	401
	Other/Not stated	0	0	4	4	4
	Total	22	17	29	405	405
Jeep	GLADIATOR	18	63	34	516	516
	Total	18	63	34	516	516
Ssangyong	MUSSO	0	1	293	3,726	3,726
	Total	0	1	293	3,726	3,726
Land Rover	DEFENDER	0	0	0	5	5
	Total	0	0	0	5	5
All other makes	Total	0	0	0	5	5
Total	Total	16,822	16,885	22,143	251,015	251,015

^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, December 2024^a

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
Renault	MASTER	853	158	28	3,129	3,129
	Total	853	158	28	3,129	3,129
Toyota	LANDCRUISER	783	1,151	1,087	12,835	12,835
	TUNDRA	68	92	39	632	632
	Other/Not stated	0	0	0	0	0
	Total	851	1,243	1,126	13,467	13,467
Isuzu	NLR	131	132	101	2,292	2,292
	NH NP	96	156	119	1,856	1,856
	NPR	92	132	144	1,516	1,516
	NQR	87	58	65	815	815
	FRR	72	63	94	1,244	1,244
	NNR	69	108	58	924	924
	Other/Not stated	17	13	10	143	143
	Total	564	662	591	8,790	8,790
Hino	300 SERIES	112	123	72	2,456	2,456
	FD	29	31	6	350	350
	FC	29	42	17	349	349
	Other/Not stated	1	3	2	69	69
	Total	171	199	97	3,224	3,224
Mercedes-Benz	SPRINTER	165	338	131	4,511	4,511
	Other/Not stated	1	1	3	57	57
	Total	166	339	134	4,568	4,568
Fuso	CANTER	116	135	156	2,250	2,250
	FIGHTER	30	41	43	644	644
	Other/Not stated	0	0	0	9	9
	Total	146	176	199	2,903	2,903
Ineos	GRENADIER	121	53	120	942	942
	Total	121	53	120	942	942
Chevrolet	SILVERADO	119	136	88	1,637	1,637
	Total	119	136	88	1,637	1,637
Ford	TRANSIT	90	212	0	2,472	2,472
	Total	90	212	0	2,472	2,472
LDV	DELIVER 9	80	151	317	2,477	2,477
	Other/Not stated	6	2	1	186	186
	Total	86	153	318	2,663	2,663
Fiat	DUCATO	78	137	39	2,100	2,100
	Other/Not stated	0	1	0	1	1
	Total	78	138	39	2,101	2,101
IVECO	DAILY	42	118	34	1,606	1,606
	Other/Not stated	0	0	0	4	4
	Total	42	118	34	1,610	1,610
Hyundai	MIGHTY	10	18	18	300	300
	Other/Not stated	1	0	0	42	42
	Total	11	18	18	342	342
Volkswagen	CRAFTER	7	3	70	724	724
	Total	7	3	70	724	724
RAM	Other/Not stated	4	7	57	275	275
	Total	4	7	57	275	275
Dodge	RAM DX	1	0	1	104	104
	Other/Not stated	0	0	65	699	699
	Total	1	0	66	803	803
DAF	LF45	0	0	0	3	3
	Total	0	0	0	3	3

(continued)

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

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
Foton	IBLUE	0	0	5	67	67
	AUMARK	0	1	10	25	25
	AUMAN	0	0	0	17	17
	Other/Not stated	0	0	0	0	0
	Total	0	1	15	109	109
Equi-Trek	SUPER SONIC HORSEBOX	0	0	0	3	3
	SPRINTER	0	0	0	2	2
	Total	0	0	0	5	5
Jac	Other/Not stated	0	0	0	27	27
	Total	0	0	0	27	27
All other makes	Total	0	3	0	96	96
Total	Total	3,310	3,619	3,000	49,890	49,890

^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, December 2024^a

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
Isuzu	FVZ	119	108	54	967	967
	FSR	110	90	69	1,203	1,203
	FYH	86	54	26	777	777
	FXZ	65	41	28	626	626
	FVR	28	19	18	398	398
	FTS	25	24	12	222	222
	Other/Not stated	29	29	56	457	457
	Total	462	365	263	4,650	4,650
Kenworth	T909	60	96	52	975	975
	T610	43	66	82	1,001	1,001
	T659	26	46	18	462	462
	C509	23	24	7	214	214
	K220	19	17	17	564	564
	T410	17	14	17	250	250
	T360	11	12	13	236	236
	Other/Not stated	19	5	64	385	385
Total	218	280	270	4,087	4,087	
Hino	FE	65	53	7	612	612
	FS	18	7	2	199	199
	FG	13	24	1	310	310
	FM	11	11	3	508	508
	FY	9	3	3	100	100
	GT	8	8	0	149	149
	Other/Not stated	11	31	3	410	410
	Total	135	137	19	2,288	2,288
Volvo	FM	71	119	90	1,189	1,189
	FH	30	61	67	1,414	1,414
	FE	17	37	40	427	427
	Other/Not stated	0	0	0	7	7
	Total	118	217	197	3,037	3,037
Scania	R SERIES	28	39	55	629	629
	P SERIES	23	19	20	308	308
	G SERIES	17	11	15	344	344
	Other/Not stated	0	1	1	7	7
	Total	68	70	91	1,288	1,288
Mercedes-Benz	96X	68	101	51	1,222	1,222
	Other/Not stated	0	1	6	165	165
	Total	68	102	57	1,387	1,387
Fuso	FIGHTER	41	29	38	577	577
	FV SERIES	9	9	42	408	408
	FS SERIES	4	4	11	115	115
	Other/Not stated	2	0	3	12	12
	Total	56	42	94	1,112	1,112
Mack	SUPERLINER	24	36	33	300	300
	TRIDENT	10	12	12	173	173
	METROLINER	9	1	17	108	108
	ANTHEM	5	13	18	195	195
	Total	48	62	80	776	776
IVECO	S-WAY	21	11	7	403	403
	EUROCARGO	20	3	3	98	98
	Other/Not stated	3	4	8	133	133
	Total	44	18	18	634	634
Sinotruk	T5G	28	41	52	289	289
	C7H	2	6	14	234	234
	Other/Not stated	3	1	0	21	21
	Total	33	48	66	544	544

(continued)

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

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
UD	PK	15	18	1	96	96
	CGB	6	3	14	163	163
	CWB	4	8	25	195	195
	PD	2	1	0	7	7
	CDB	2	0	19	81	81
	Other/Not stated	0	0	51	115	115
	Total	29	30	110	657	657
MAN	TGA	17	15	21	348	348
	TGM	6	3	5	49	49
	Other/Not stated	0	0	0	67	67
	Total	23	18	26	464	464
Western Star	X-SERIES	10	7	12	271	271
	Total	10	7	12	271	271
Dennis Eagle	ELITE	5	7	5	133	133
	Total	5	7	5	133	133
DAF	CF17	4	14	41	751	751
	Other/Not stated	1	0	19	246	246
	Total	5	14	60	997	997
All other makes	Total	6	21	32	389	389
Total	Total	1,328	1,438	1,400	22,714	22,714

^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, December 2024^a

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
Toyota	COMMUTER	110	152	124	2,829	2,829
	COASTER	19	30	8	285	285
	Total	129	182	132	3,114	3,114
Volgren	2 AXLE OMNIBUS	27	54	18	564	564
	Other/Not stated	0	0	1	4	4
	Total	27	54	19	568	568
LDV	DELIVER 9	18	37	26	463	463
	Total	18	37	26	463	463
Fuso	ROSA	17	14	34	262	262
	Total	17	14	34	262	262
Mercedes-Benz	SPRINTER	12	1	3	120	120
	Total	12	1	3	120	120
Custom Bus	METRO	10	2	0	38	38
	Other/Not stated	0	5	11	78	78
	Total	10	7	11	116	116
BCI	PK6127A	9	4	2	177	177
	Other/Not stated	0	5	5	138	138
	Total	9	9	7	315	315
King Long	6120BS	9	1	0	68	68
	Other/Not stated	0	0	1	51	51
	Total	9	1	1	119	119
Irizar	COACH	8	4	2	205	205
	Total	8	4	2	205	205
Ford	TRANSIT	6	34	0	198	198
	Total	6	34	0	198	198
Yutong	E12	3	4	0	26	26
	D7	1	0	8	154	154
	C12	1	11	4	113	113
	Other/Not stated	0	0	4	65	65
	Total	5	15	16	358	358
Scania	TOURING	4	8	7	36	36
	Other/Not stated	0	0	4	10	10
	Total	4	8	11	46	46
MAN	Other/Not stated	4	1	0	38	38
	Total	4	1	0	38	38
Hess	LighTram	4	0	0	34	34
	Total	4	0	0	34	34
Express Coach Builders	OMNIBUS	3	4	4	26	26
	Total	3	4	4	26	26
Bonluck	Other/Not stated	2	0	0	55	55
	Total	2	0	0	55	55
Bustech	VST	1	0	2	24	24
	Other/Not stated	0	0	0	0	0
	Total	1	0	2	24	24
ARCC	LAF	0	0	0	0	0
	Other/Not stated	0	0	0	2	2
	Total	0	0	0	2	2
Yancheng	Other/Not stated	0	0	0	4	4
	Total	0	0	0	4	4
Coach Design	COLT	0	0	3	13	13
	Other/Not stated	0	0	0	1	1
	Total	0	0	3	14	14
All other makes	Total	0	3	2	276	276

(continued)

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

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
Total	Total	268	374	273	6,357	6,357

^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, December 2024^a

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
Yamaha	MTN660	428	76	295	767	767
	YZF	200	169	187	1,349	1,349
	WR SERIES	170	82	197	1,453	1,453
	CZD300	170	0	40	410	410
	MTN890	100	90	15	712	712
	YZF320	86	114	156	676	676
	SEH2	64	128	0	1,055	1,055
	Other/Not stated	36	152	252	2,295	2,295
	Total	1,254	811	1,142	8,717	8,717
Harley-Davidson	CRU SERIES	721	80	133	3,060	3,060
	Other/Not stated	16	4	510	2,108	2,108
	Total	737	84	643	5,168	5,168
Kawasaki	EX400	281	193	0	1,600	1,600
	EN650	148	115	70	958	958
	ZR900	59	48	25	467	467
	Other/Not stated	223	406	281	2,827	2,827
	Total	711	762	376	5,852	5,852
Honda	CMX500	64	0	0	672	672
	XL750	62	114	18	665	665
	CRF300	48	0	48	624	624
	CRF450	43	7	10	288	288
	Other/Not stated	348	366	246	6,611	6,611
	Total	565	487	322	8,860	8,860
KTM	2T-EXC	252	40	234	1,082	1,082
	4T-EXC	145	167	845	1,784	1,784
	ADVENTURE	48	0	334	1,016	1,016
	IS RC	42	0	32	153	153
	Other/Not stated	42	38	103	1,192	1,192
	Total	529	245	1,548	5,227	5,227
CFMoto	CF400	244	160	64	2,165	2,165
	CF800	36	28	60	345	345
	CF125	19	0	0	308	308
	Other/Not stated	48	62	0	633	633
	Total	347	250	124	3,451	3,451
Husqvarna	TE	160	40	126	449	449
	FE	154	59	190	672	672
	Other/Not stated	15	0	108	562	562
	Total	329	99	424	1,683	1,683
Triumph	ROCKET III	17	8	1	149	149
	H801	15	16	9	181	181
	DU SERIES	15	11	0	159	159
	Other/Not stated	183	317	229	2,388	2,388
	Total	230	352	239	2,877	2,877
Suzuki	UK110	54	16	62	284	284
	DR-Z400	34	78	32	532	532
	GSX250	21	27	3	213	213
	GSX-S1000	21	23	12	234	234
	GSX800	13	15	6	230	230
	DL650	13	20	14	168	168
	DS250	12	48	29	361	361
	DL800	11	16	12	145	145
	Other/Not stated	16	31	32	365	365
	Total	195	274	202	2,532	2,532

(continued)

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

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
BMW	K50	53	56	46	744	744
	K8X	36	28	35	535	535
	S1000	18	35	51	756	756
	C400	13	10	10	144	144
	G310	11	11	24	257	257
	Other/Not stated	60	140	45	1,138	1,138
	Total	191	280	211	3,574	3,574
Ducati	1X	24	27	21	215	215
	HYPERMOTARD	12	10	5	64	64
	4M	10	24	0	140	140
	Other/Not stated	122	276	78	1,407	1,407
	Total	168	337	104	1,826	1,826
Longjia	LJ50QT	61	0	0	297	297
	Other/Not stated	42	0	0	162	162
	Total	103	0	0	459	459
Beta	RR	72	0	38	471	471
	X-TRAINER	12	0	0	165	165
	EX	8	0	0	86	86
	Total	92	0	38	722	722
Fonzarelli	Other/Not stated	90	4	48	268	268
	Total	90	4	48	268	268
Sur-Ron	Other/Not stated	73	0	0	258	258
	Total	73	0	0	258	258
GASGAS	EC SERIES	47	29	224	532	532
	LC4 SERIES	8	0	21	25	25
	Other/Not stated	0	0	1	0	0
	Total	55	29	246	557	557
Kymco	CK50QT-5	30	6	0	243	243
	KG10AA	16	48	0	173	173
	AGILITY SERIES	8	0	132	659	659
	Other/Not stated	0	0	85	462	462
	Total	54	54	217	1,537	1,537
Rfn	Other/Not stated	52	0	0	52	52
	Total	52	0	0	52	52
Segway	Other/Not stated	50	0	0	213	213
	Total	50	0	0	213	213
Sym	CROX 50	27	0	1	122	122
	SYMPHONY	10	0	1	58	58
	CLASSIC	10	0	1	73	73
	Other/Not stated	0	1	0	39	39
	Total	47	1	3	292	292
All other makes	Total	75	586	599	6,383	6,383
Total	Total	5,947	4,655	6,486	60,508	60,508

^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, December 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	
Dec 2024	1,198	208	41	21	0	63	226	23	2	432	2,214
Nov 2024	1,264	304	56	4	0	78	232	36	15	433	2,422
Oct 2024	1,719	260	39	36	2	119	262	22	8	619	3,086
Sep 2024	1,350	268	54	103	0	90	300	25	24	621	2,835
Aug 2024	1,866	332	65	4	1	125	297	33	6	612	3,341
Jul 2024	1,870	265	61	80	0	74	304	37	13	659	3,363
Jun 2024	1,563	286	86	82	0	54	235	28	17	617	2,968
May 2024	1,918	255	45	95	0	75	261	42	5	448	3,144
Apr 2024	1,521	261	35	27	0	80	242	39	10	537	2,752
Mar 2024	1,531	185	24	82	0	50	232	41	17	434	2,596
Feb 2024	1,654	301	31	67	0	65	284	59	18	578	3,057
Jan 2024	1,348	273	38	24	0	78	251	48	8	591	2,659
Dec 2023	1,385	259	30	24	0	66	256	63	13	487	2,583
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

^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).

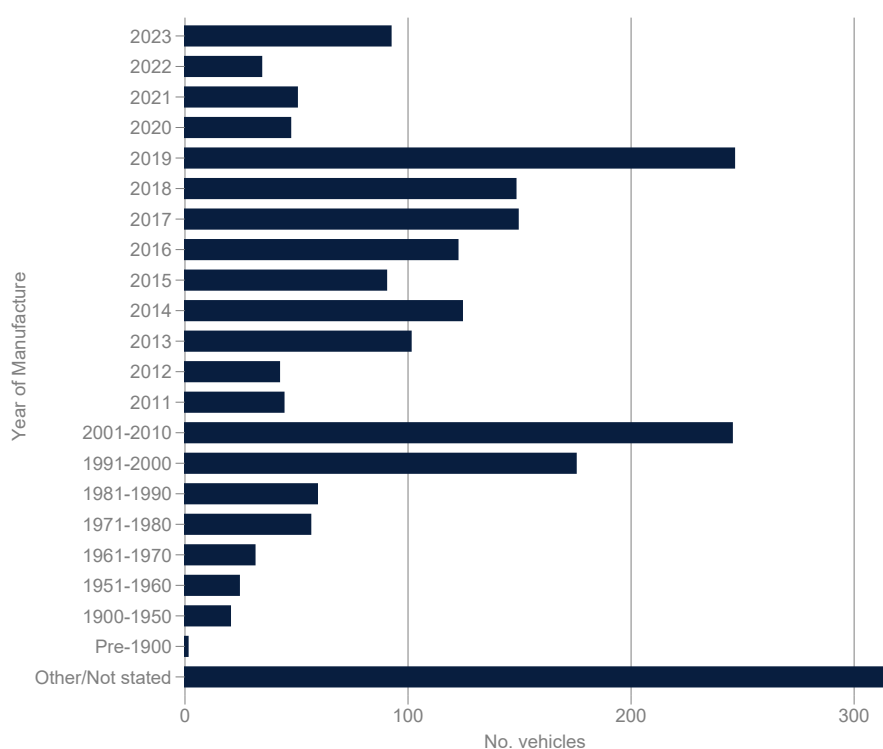
^d Total excludes Second Stage of Manufacture vehicles.

Sources: RAV and BITRE estimates.

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

Year of manufacture	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
2023	92	89	404	2,025	2,025
2022	34	39	71	660	660
2021	50	43	54	710	710
2020	47	59	59	791	791
2019	246	261	88	2,220	2,220
2018	148	146	292	3,154	3,154
2017	149	172	208	2,427	2,427
2016	122	94	120	1,627	1,627
2015	90	130	140	1,865	1,865
2014	124	131	142	2,080	2,080
2013	101	132	97	1,700	1,700
2012	42	69	106	1,124	1,124
2011	44	45	57	685	685
2001-2010	245	290	350	3,962	3,962
1991-2000	175	169	156	2,429	2,429
1981-1990	59	54	76	913	913
1971-1980	56	49	72	914	914
1961-1970	31	35	53	721	721
1951-1960	24	27	17	352	352
1900-1950	20	29	16	311	311
Pre-1900	1	0	1	5	5
Other/Not stated	314	359	4	3,762	3,762
Total	2,214	2,422	2,583	34,437	34,437

Sources: RAV and BITRE estimates.

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

Sources: RAV and BITRE estimates.

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

Month ^b	SEV approval criterion							Total
	Camper-vans and Motor-homes	Environ-mental	Left-Hand Drive	Mobility	Perfor-mance	Rarity	Not stated	
Dec 2024	209	845	45	99	242	7	0	1,447
Nov 2024	327	864	52	101	275	5	0	1,624
Oct 2024	272	1,290	40	107	297	9	2	2,017
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	332	1,095	84	161	256	7	0	1,935
May 2024	280	1,357	55	233	288	5	0	2,218
Apr 2024	264	1,073	38	210	230	2	0	1,817
Mar 2024	215	1,071	39	201	205	10	0	1,741
Feb 2024	241	1,105	41	330	262	7	0	1,986
Jan 2024	245	927	39	223	221	4	0	1,659
Dec 2023	206	934	37	243	246	7	0	1,673
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

^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, December 2024

Month ^a	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Light trailers	Not stated	Total
Dec 2024	278	1,967	1,095	118	14	0	0	3,472
Nov 2024	354	2,288	1,274	150	14	2	0	4,082
Oct 2024	223	2,243	1,376	145	63	0	0	4,050
Sep 2024	179	2,198	1,280	142	53	1	0	3,853
Aug 2024	181	2,245	1,523	161	41	0	0	4,151
Jul 2024	205	2,438	1,387	146	28	0	0	4,204
Jun 2024	395	2,014	1,333	143	40	0	0	3,925
May 2024	529	3,192	1,423	173	30	0	0	5,347
Apr 2024	394	2,519	1,247	173	30	0	0	4,363
Mar 2024	557	2,671	1,162	139	24	0	0	4,553
Feb 2024	549	3,241	1,247	147	30	0	0	5,214
Jan 2024	267	2,892	841	170	25	0	0	4,195
Dec 2023	173	2,760	1,069	113	22	0	0	4,137
Nov 2023	234	3,027	1,244	156	29	0	0	4,690
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	3,898	1,293	40	39	0	0	5,436
Jul 2023	119	3,005	971	30	37	0	0	4,162
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	3,138	764	54	15	0	0	4,088
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

^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, December 2024

Make	Model	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
Toyota	HILUX	1,644	1,824	2,173	24,354	24,354
	LANDCRUISER	356	377	271	4,647	4,647
	HIACE	20	25	12	243	243
	Other/Not stated	10	8	31	269	269
	Total	2,030	2,234	2,487	29,513	29,513
Ford	RANGER	271	421	293	4,733	4,733
	EVEREST	39	32	0	237	237
	F150	12	8	0	28	28
	Other/Not stated	9	4	1	16	16
	Total	331	465	294	5,014	5,014
Nissan	PATROL	165	215	106	2,518	2,518
	NAVARA	139	143	228	2,382	2,382
	Total	304	358	334	4,900	4,900
Isuzu	D-MAX	182	263	169	2,199	2,199
	NPS	17	17	25	280	280
	MU-X	12	13	27	320	320
	Other/Not stated	9	11	13	290	290
	Total	220	304	234	3,089	3,089
Mercedes-Benz	SPRINTER	164	143	162	1,637	1,637
	96X	36	38	12	265	265
	Other/Not stated	4	9	1	34	34
	Total	204	190	175	1,936	1,936
Fiat	DUCATO	94	125	105	1,740	1,740
	Other/Not stated	0	5	0	11	11
	Total	94	130	105	1,751	1,751
Mazda	BT-50	53	54	67	951	951
	Total	53	54	67	951	951
Renault	MASTER	45	106	34	760	760
	Other/Not stated	3	0	4	21	21
	Total	48	106	38	781	781
Volkswagen	Other/Not stated	41	27	28	455	455
	Total	41	27	28	455	455
Volvo	FH	25	17	15	319	319
	Other/Not stated	7	9	10	213	213
	Total	32	26	25	532	532
All other makes	Total	115	188	350	2,487	2,487
Total	Total	3,472	4,082	4,137	51,409	51,409

Sources: RAV and BITRE estimates.

Trailer and caravan and camper trailer RAV entries

Table 23 RAV entries of low ATM trailers (excluding caravans and camper trailers), top 20 makes, December 2024^a

Rank	Make	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
1	Stonegate Industries	1,260	597	543	12,025	12,025
2	Victorian Trailers	602	730	618	8,660	8,660
3	Telwater Trailers	333	435	442	5,027	5,027
4	Dunbier	311	514	321	3,219	3,219
5	All States Trailers	248	305	391	1,660	1,660
6	Superior Trailer Parts	209	212	102	1,814	1,814
7	Century Trailers	202	349	179	3,512	3,512
8	King Kong Trailers	177	255	45	1,944	1,944
9	Cruiser Trailer And Chassis	168	0	31	756	756
10	BTH Products	136	137	108	1,661	1,661
11	Modern Trailers	126	161	124	1,608	1,608
12	Balance Trailers	124	160	125	2,032	2,032
13	Long Haul Trailers	111	94	23	1,160	1,160
14	Titanium	110	96	93	1,314	1,314
15	Basic Trailers	107	163	78	1,589	1,589
16	The Portable Toilet Company	101	95	0	300	300
17	Powerlink	95	103	56	305	305
18	A1 Trailers	85	82	80	861	861
19	Coastmac Trailers	85	160	121	1,731	1,731
20	Boeing Trailers	84	25	91	376	376
21	Other makes	4,352	5,497	5,200	65,573	65,573
Total	-	9,026	10,170	8,771	117,127	117,127

^a Low ATM trailer estimates are derived by removing caravans and camper trailers from all trailers with an ATM of 4,500kg or less. Sources: RAV and BITRE estimates.

Table 24 RAV entries of low ATM trailers (excluding caravans and camper trailers), by tare weight, December 2024^a

Tare weight	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
<= 500 kilograms	4,807	5,428	4,583	59,071	59,071
> 500 and <= 750 kilograms	1,713	1,864	1,699	23,315	23,315
> 750 and <= 1000 kilograms	849	998	826	11,968	11,968
> 1000 and <= 1500 kilograms	1,017	1,139	1,020	13,654	13,654
> 1500 and <= 2000 kilograms	275	344	282	4,448	4,448
> 2000 and <= 2500 kilograms	125	164	157	2,019	2,019
> 2500 and <= 3000 kilograms	121	110	160	1,359	1,359
> 3000 and <= 3500 kilograms	73	65	24	630	630
Other / Not stated	46	58	20	663	663
Total	9,026	10,170	8,771	117,127	117,127

^a Low ATM trailer estimates are derived by removing caravans and camper trailers from all trailers with an ATM of 4,500kg or less. Sources: RAV and BITRE estimates.

Table 25 RAV entries of high ATM trailers (excluding caravans and camper trailers), top 20 makes, December 2024^a

Rank	Make	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
1	Maxitrans	118	154	148	2,180	2,180
2	Vawdrey	56	141	96	2,134	2,134
3	AAA Trailers	49	62	41	717	717
4	Graham Lusty Trailers	30	18	12	192	192
5	FWR	25	30	30	386	386
6	Haulmark Trailers	24	32	28	370	370
7	Lionel Moore	23	49	16	424	424
8	Krueger	21	30	42	508	508
9	Howard Porter	20	43	27	490	490
10	Custom Quip Engineering	18	16	0	140	140
11	Cimcau	16	23	30	399	399
12	Sloanebuilt	15	23	14	218	218
13	Jamieson	12	94	63	795	795
14	Robuk	12	15	15	218	218
15	Tristar	12	12	33	166	166
16	FTE Trailers	11	21	9	265	265
17	Tag	11	6	15	110	110
18	Bulk Transport Equipment	10	13	12	168	168
19	Byrne Trailers	10	13	0	103	103
20	Freightmaster	10	11	10	190	190
21	Other makes	361	693	510	8,495	8,495
Total	-	864	1,499	1,151	18,668	18,668

^a High ATM trailer estimates are derived by removing caravans and camper trailers from all trailers with an ATM over 4.5 tonnes.
Sources: RAV and BITRE estimates.

Table 26 RAV entries of high ATM trailers (excluding caravans and camper trailers), by ATM, December 2024^a

Aggregate trailer mass	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
> 4.5 and <= 7.5 tonnes	8	11	8	106	106
> 7.5 and <= 10.0 tonnes	38	40	41	447	447
> 10.0 and <= 15.0 tonnes	14	14	10	124	124
> 15.0 and <= 20.0 tonnes	57	134	59	1,266	1,266
> 20.0 and <= 25.0 tonnes	62	120	100	1,504	1,504
> 25.0 and <= 30.0 tonnes	24	56	29	545	545
> 30.0 and <= 35.0 tonnes	54	102	89	1,267	1,267
> 35.0 and <= 40.0 tonnes	253	369	393	6,330	6,330
> 40.0 and <= 45.0 tonnes	192	332	222	3,637	3,637
> 45.0 and <= 50.0 tonnes	142	268	190	2,804	2,804
> 50.0 and <= 55.0 tonnes	8	15	4	152	152
> 55.0 and <= 60.0 tonnes	4	25	6	355	355
> 60.0 tonnes	8	13	0	131	131
Total	864	1,499	1,151	18,668	18,668

^a High ATM trailer estimates are derived by removing caravans and camper trailers from all trailers with an ATM over 4.5 tonnes.
Sources: RAV and BITRE estimates.

Table 27 RAV entries of caravans and camper trailers, top 20 makes, December 2024^a

Rank	Make	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
1	Jayco	392	509	674	6,877	6,877
2	Austrack Campers	205	223	253	2,649	2,649
3	Regent RV	202	191	298	2,944	2,944
4	Ezytrail	166	198	160	2,011	2,011
5	Market Direct Campers	151	212	145	2,555	2,555
6	Crusader	88	149	99	1,853	1,853
7	Stoney Creek Campers	77	75	67	924	924
8	Network RV	74	126	107	1,018	1,018
9	Sunland RV	64	43	5	268	268
10	Mars	58	33	14	604	604
11	Alphaline Tiny Homes	56	0	0	103	103
12	Design RV	54	65	64	675	675
13	Arctic Campers	37	31	5	359	359
14	New Age Caravans	36	58	88	966	966
15	Safari Caravans	35	19	33	247	247
16	Royal Flair Caravans	34	2	17	181	181
17	Urban Caravans	34	48	70	536	536
18	Lifestyle Camper	32	30	30	375	375
19	Leader Caravans	31	77	65	761	761
20	Adria	30	0	0	84	84
21	Other makes	1,113	1,522	1,580	18,368	18,368
Total	-	2,969	3,611	3,774	44,358	44,358

^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 28 RAV entries of caravans and camper trailers, by tare weight, December 2024^a

Tare weight	Dec 2024	Nov 2024	Dec 2023	Year to date	Last 12 months
<= 500 kilograms	38	40	51	481	481
> 500 and <= 1000 kilograms	167	124	152	1,628	1,628
> 1000 and <= 1500 kilograms	302	345	353	3,973	3,973
> 1500 and <= 2000 kilograms	412	497	535	6,691	6,691
> 2000 and <= 2500 kilograms	1,133	1,418	1,417	17,132	17,132
> 2500 and <= 3000 kilograms	781	1,007	1,103	12,375	12,375
> 3000 and <= 3500 kilograms	117	157	127	1,572	1,572
> 3500 and <= 5000 kilograms	18	23	35	500	500
> 5000 kilograms	1	0	1	5	5
Not stated	0	0	0	1	1
Total	2,969	3,611	3,774	44,358	44,358

^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.

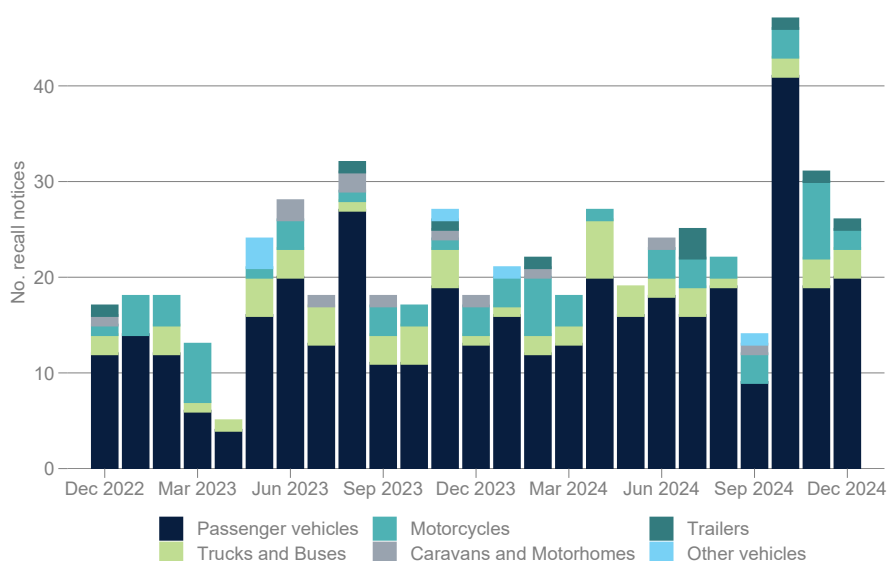
Vehicle recalls

Table 29 Vehicle recall notices issued, by month of issue, December 2022 to December 2024

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
Dec 2024	20	3	2	0	1	0	26
Nov 2024	19	3	8	0	1	0	31
Oct 2024	41	2	3	0	1	0	47
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

Sources: ROVER and BITRE estimates.

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



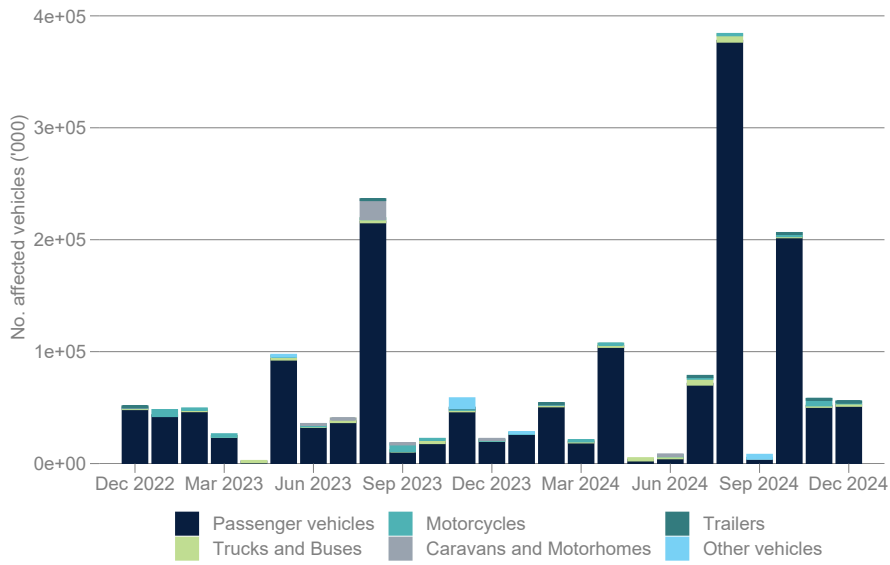
Sources: DITRDCA ROVER and BITRE estimates.

Table 30 Vehicle recalls, total vehicles affected, by month of issue, December 2022 to December 2024

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
Dec 2024	51,971	2,132	957	0	7	0	55,067
Nov 2024	51,014	1,343	5,054	0	15	0	57,426
Oct 2024	202,534	981	2,033	0	85	0	205,633
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

Sources: ROVER and BITRE estimates.

Figure 14 Vehicle recalls, total vehicles affected, by vehicle type, December 2022 to December 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 3.5 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.

3.1 Other Road Vehicle Standards Act 2018 defined terms

Aggregate trailer mass (GTM) The total mass of the laden trailer carrying its maximum load recommended by the 'manufacturer'. This includes any mass imposed onto the drawing vehicle.

Axle load Total load transmitted to the road by all the tyres of all wheels whose centres may be included between 2 transverse parallel vertical planes less than one metre apart.

Gross combination mass (GCM) Value specified for the vehicle by the 'manufacturer' as being the maximum of the sum of the Gross Vehicle Mass (GVM) of the drawing vehicle plus the sum of the axled loads of any vehicle capable of being drawn as a trailer.

Gross trailer mass (GTM) The mass transmitted to the ground by the axle(s) of the trailer when coupled to a drawing vehicle and carrying its maximum load approximately uniformly distributed over the load-bearing area, and at which compliance with the appropriate Australian Design Rules has been or can be established.

Gross vehicle mass (GVM) The maximum laden mass of a motor vehicle as specified by the 'manufacturer'.

Tare weight Total weight of the vehicle (trailer) when not carrying any load.

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

GTM – Gross trailer mass

GVM – Gross vehicle mass

HGV – Heavy goods vehicles

LCV – Light commercial vehicles

LGV – Light goods vehicles

MGV – Medium goods vehicles

MVSA – *Motor Vehicle Standards Act 1989*

OEM – original equipment manufacturer

RAV – Register of Approved Vehicles

RAW – Registered Automotive Workshop

RAWS – Registered Automotive Workshop Scheme

ROVER – **R**oad **V**ehicle **R**egulator (RVSA administration system)

RVSA – *Road Vehicles Standards Act 2018*

SEV – Specialist and Enthusiast Vehicle

SSM – Second Stage of Manufacture

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