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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

November 2024

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Road vehicle entry and recall statistics

November 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 release includes four new tables featuring counts of low trailer mass and high trailer mass RAV trailer entries.

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
December 2024

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Highlights – November 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 November 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 113,792 road vehicles entered on the RAV in November 2024, 21.8 per cent lower than total entries in November 2023 (i.e. 145,443 vehicles).¹
- There were 111,369 type approval vehicles entered in November 2024, 21.8 per cent lower than total type approved vehicles entries in November 2023 (i.e. 142,409 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 2,423 vehicles in the month of November 2024, 20.1 per cent lower than concessional RAV approval entries in November 2023 (i.e. 3,034 vehicles).

Type approval RAV entries by vehicle category

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

- 69,482 passenger vehicle RAV entries, 13.5 per cent lower than in November 2023
- 16,885 light commercial vehicle (LCV) RAV entries, 46.5 per cent lower than in November 2023
- 3,619 medium goods vehicle RAV entries, 19.5 per cent lower than in November 2023
- 1,438 heavy goods vehicle RAV entries, 27.1 per cent lower than in November 2023
- 373 bus RAV entries, 17.3 per cent lower than in November 2023, and
- 4,655 motorcycle RAV entries, 16.1 per cent lower than in November 2023.

Type approval RAV entries by vehicle make

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

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

Concessional RAV entry approval vehicles

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

- 1,265 passenger vehicles
- 304 LCVs
- 56 medium goods vehicles
- 4 heavy goods vehicles, and
- 361 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 1,625 specialist and enthusiast vehicles (SEVs) entries on the RAV in November 2024.
- There were 864 SEV RAV entries in November 2024 under environmental criterion.

Second stage of manufacture (SSM) RAV entries

- There were 4,106 SSM RAV entries in November 2024, comprising:
 - 2,310 light commercial vehicles
 - 1,276 medium goods vehicles
 - 354 passenger vehicles, and
 - 164 other vehicles.

Type approval trailer RAV entries

- In the month of November 2024 there were:
 - 3,470 type approved very light trailer RAV entries²
 - 9,375 type approved light trailer RAV entries
 - 650 type approved medium trailer RAV entries, and
 - 1,422 type approved heavy trailer RAV entries.
- There were 10,170 type approval low ATM trailers entered on the RAV in November 2024, the top five makes were: Victorian Trailers, Stonegate Industries, Dunbier, Telwater Trailers and Century Trailers.
- There were 1,499 type approval high ATM trailers entered on the RAV in November 2024, the top five makes were: Maxitrans, Vawdrey, Jamieson, Bruce Rock Engineering and AAA Trailers.
- Type approved trailer RAV entries included approximately 3,611 caravans and camper trailers in the month of November 2024.³ The top five makes were: Jayco, Austrack Campers, Market Direct Campers, Ezytrail and Regent RV.

Vehicle recall notices

- In November 2024 there were 31 recall notices published on the Department's website, covering approximately 57,426 vehicles.
- As at 30 November 2024 there were 5,177 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 – 3,401 notices (covering 19,737,264 vehicles)
 - Trucks and buses – 806 notices (covering 574,279 vehicles)
 - Motorcycles – 824 notices (covering 500,468 vehicles)
 - Caravans/motorhomes – 72 notices (covering 44,939 vehicles)
 - Trailers – 44 notices (covering 19,300 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 November 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, November 2024^a

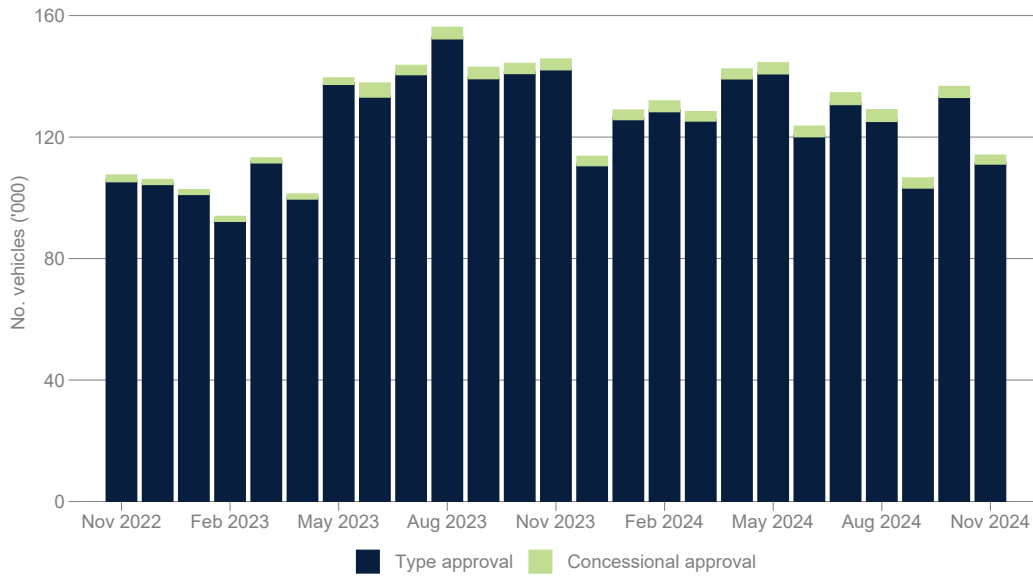
Month ^b	Approval category		Total ^c
	Type approval	Concessional approval	
Nov 2024	111,369	2,423	113,792
Oct 2024	133,317	3,086	136,403
Sep 2024	103,479	2,836	106,315
Aug 2024	125,415	3,341	128,756
Jul 2024	130,965	3,363	134,328
Jun 2024	120,374	2,968	123,342
May 2024	141,077	3,144	144,221
Apr 2024	139,430	2,752	142,182
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	142,409	3,034	145,443
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
Nov 2022	105,559	1,700	107,259

^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.

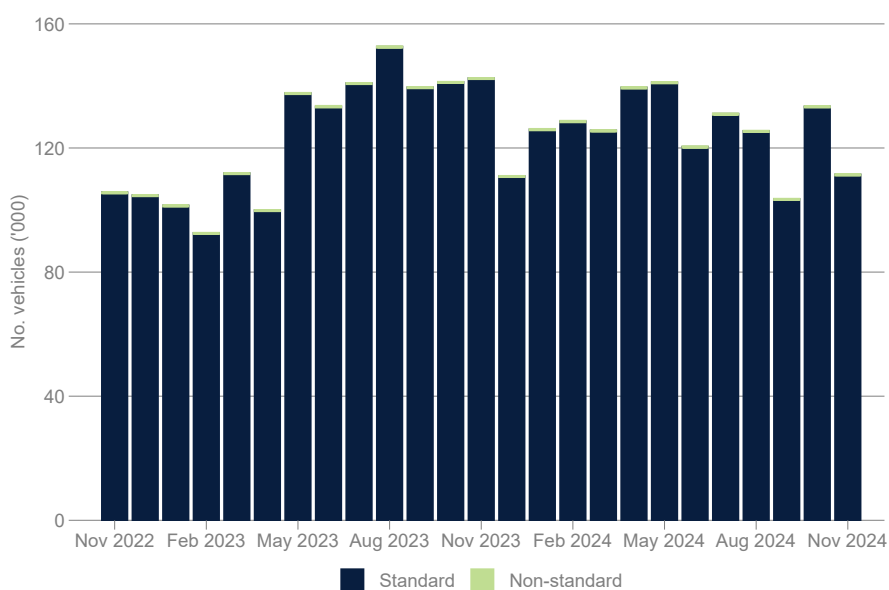
Table 2 Type approval RAV vehicle entries, by entry pathway and month, November 2024^a

Month ^b	Type approvals			Total ^c
	Standard	Non-standard	SSM	
Nov 2024	111,284	85	4,106	111,369
Oct 2024	133,207	110	4,063	133,317
Sep 2024	103,386	93	3,862	103,479
Aug 2024	125,304	111	4,154	125,415
Jul 2024	130,861	104	4,205	130,965
Jun 2024	120,227	147	3,931	120,374
May 2024	140,974	103	5,350	141,077
Apr 2024	139,310	120	4,364	139,430
Mar 2024	125,459	75	4,553	125,534
Feb 2024	128,427	192	5,218	128,619
Jan 2024	125,844	152	4,197	125,996
Dec 2023	110,780	61	4,136	110,841
Nov 2023	142,347	62	4,688	142,409
Oct 2023	141,095	77	5,157	141,172
Sep 2023	139,392	90	6,763	139,482
Aug 2023	152,472	131	5,436	152,603
Jul 2023	140,730	77	4,153	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
Nov 2022	105,532	27	3,401	105,559

^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, November 2024^a

Month ^b	Concessional RAV entry approvals							Total ^d
	RAWS-SEV ^c	RAWS-SSM ^c	Trailer	Older vehicle	SPV ^c	Personal	RAV suitable	
Nov 2024	1,625	0	359	322	6	81	30	2,423
Oct 2024	2,017	0	410	495	40	93	31	3,086
Sep 2024	1,669	0	430	468	115	121	33	2,836
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
Nov 2022	394	2	64	433	27	110	672	1,700

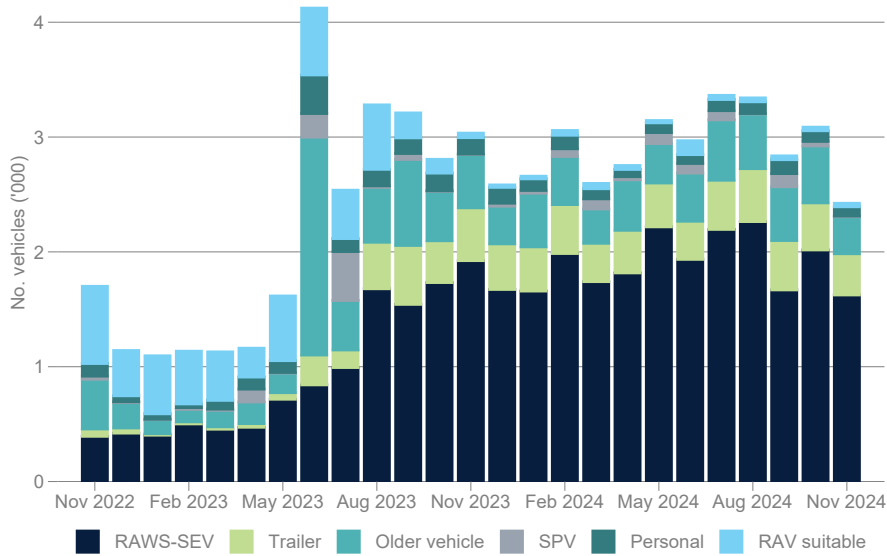
^a Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

^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, November 2024^a

Month ^b	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Motorcycles	Total ^c
Nov 2024	69,482	16,885	3,619	1,438	373	4,655	96,452
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	87,815	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	1,400	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
Nov 2022	72,786	18,993	3,347	1,544	350	5,600	102,620

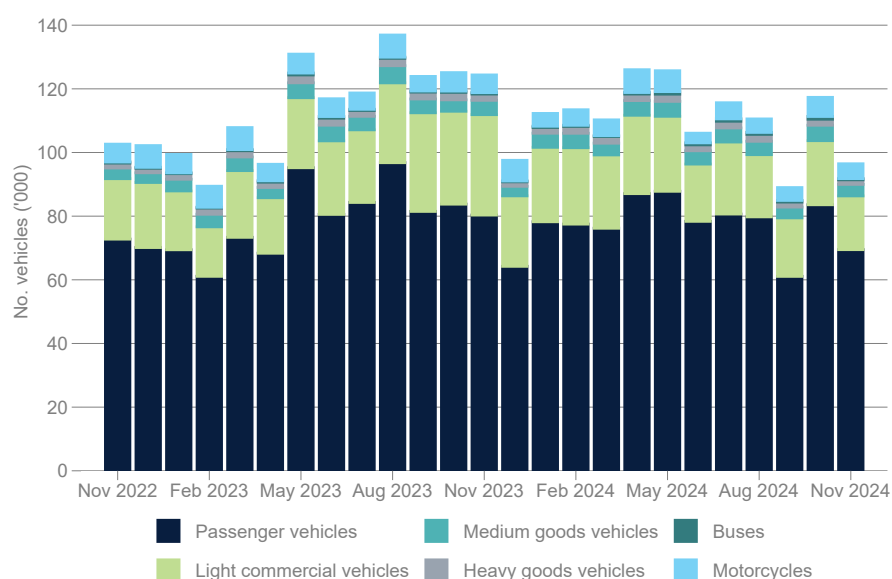
^a Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

^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, November 2024^{ab}

Month ^c	Very light trailers	Light trailers	Medium trailers	Heavy trailers	Total ^d
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	1,553	15,193
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	12,361	625	1,756	18,047
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
Nov 2022	32	1,480	18	1,409	2,939

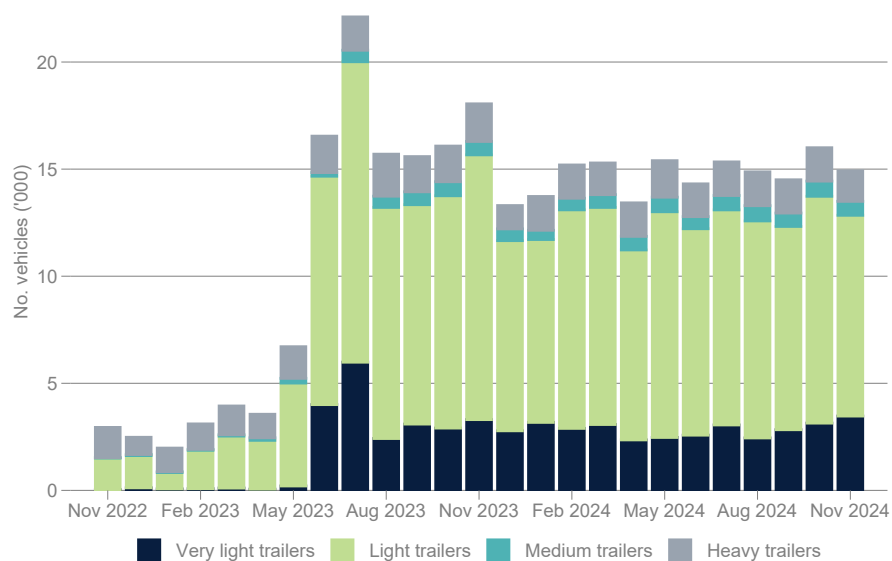
^a Table may include revisions to previously published estimates arising from updates to the RAV to correct errors or remove entries.

^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.

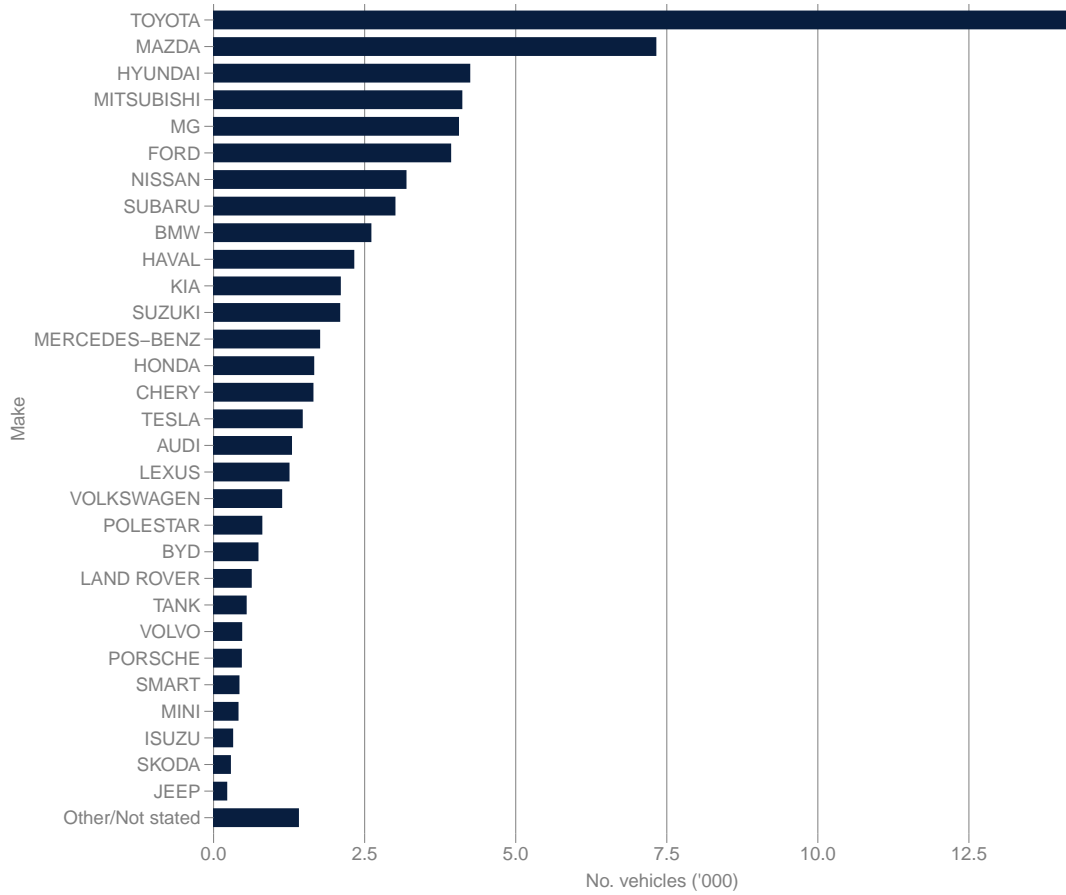
Type approval RAV entries by vehicle class and make

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

Rank	Make	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
1	Toyota	14,156	12,842	13,871	146,076	158,461
2	Mazda	7,304	11,332	6,032	79,689	86,760
3	Hyundai	4,224	7,329	6,063	64,743	69,535
4	Mitsubishi	4,093	5,393	5,174	52,421	57,404
5	MG	4,038	5,203	4,864	43,238	46,835
6	Ford	3,908	2,950	2,262	30,243	31,529
7	Nissan	3,169	2,691	5,392	32,630	35,106
8	Subaru	2,986	3,711	3,683	38,083	41,618
9	BMW	2,588	2,424	2,914	24,266	25,421
10	Haval	2,305	2,345	2,684	24,250	26,099
11	Kia	2,082	3,603	4,458	79,329	83,943
12	Suzuki	2,072	1,870	1,474	20,666	21,691
13	Mercedes-Benz	1,740	2,205	2,719	19,590	20,839
14	Honda	1,642	1,143	2,359	14,996	17,227
15	Chery	1,629	2,321	1,392	11,364	11,802
16	Tesla	1,452	4,453	3,350	35,028	36,951
17	Audi	1,274	1,654	982	14,798	15,722
18	Lexus	1,233	1,471	857	12,517	13,299
19	Volkswagen	1,111	1,360	1,476	23,411	24,380
20	Polestar	783	335	220	1,604	1,787
21	BYD	719	760	1,002	16,906	17,672
22	Land Rover	608	578	919	7,384	7,704
23	Tank	524	385	433	5,294	5,594
24	Volvo	450	466	830	7,403	8,298
25	Porsche	444	763	398	6,815	7,128
26	Smart	405	160	0	756	756
27	MINI	389	617	191	4,245	4,436
28	Isuzu	300	386	1,517	18,107	19,588
29	Skoda	263	340	420	3,719	4,236
30	Jeep	202	107	192	1,488	1,668
31	Other/Not stated	1,389	2,386	2,220	18,760	20,571
Total	-	69,482	83,583	80,348	859,819	924,060

^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, November 2024

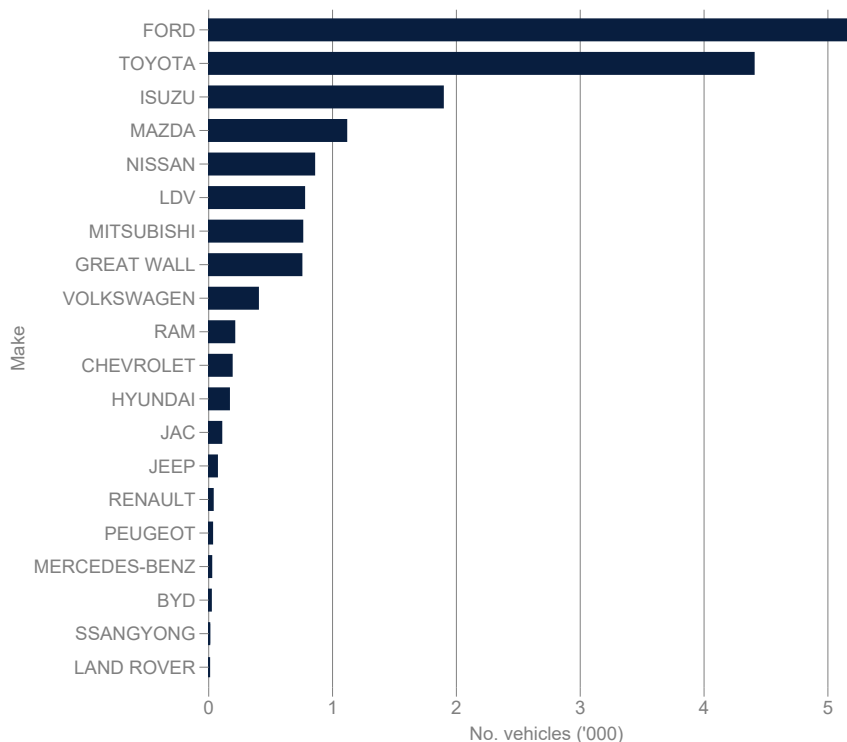


Sources: RAV and BITRE estimates.

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

Rank	Make	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
1	Ford	5,197	5,172	11,903	67,360	73,252
2	Toyota	4,397	4,172	6,135	59,783	64,393
3	Isuzu	1,887	1,338	3,706	25,722	29,385
4	Mazda	1,107	1,229	1,873	12,409	13,934
5	Nissan	848	1,158	1,315	9,268	10,044
6	LDV	767	691	1,020	8,507	9,506
7	Mitsubishi	752	3,145	2,446	16,389	17,791
8	Great Wall	745	973	983	8,461	9,082
9	Volkswagen	394	1,201	1,023	9,488	10,930
10	RAM	203	248	280	3,582	3,862
11	Chevrolet	182	230	315	2,675	2,911
12	Hyundai	160	183	151	3,453	3,601
13	Jac	98	66	0	274	274
14	Jeep	63	64	20	498	532
15	Renault	29	89	111	1,537	1,539
16	Peugeot	24	51	98	654	845
17	Mercedes-Benz	17	41	10	383	412
18	BYD	14	0	0	14	14
19	Ssangyong	1	89	152	3,726	4,019
20	Land Rover	0	0	5	5	5
Total	-	16,885	20,140	31,546	234,188	256,331

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

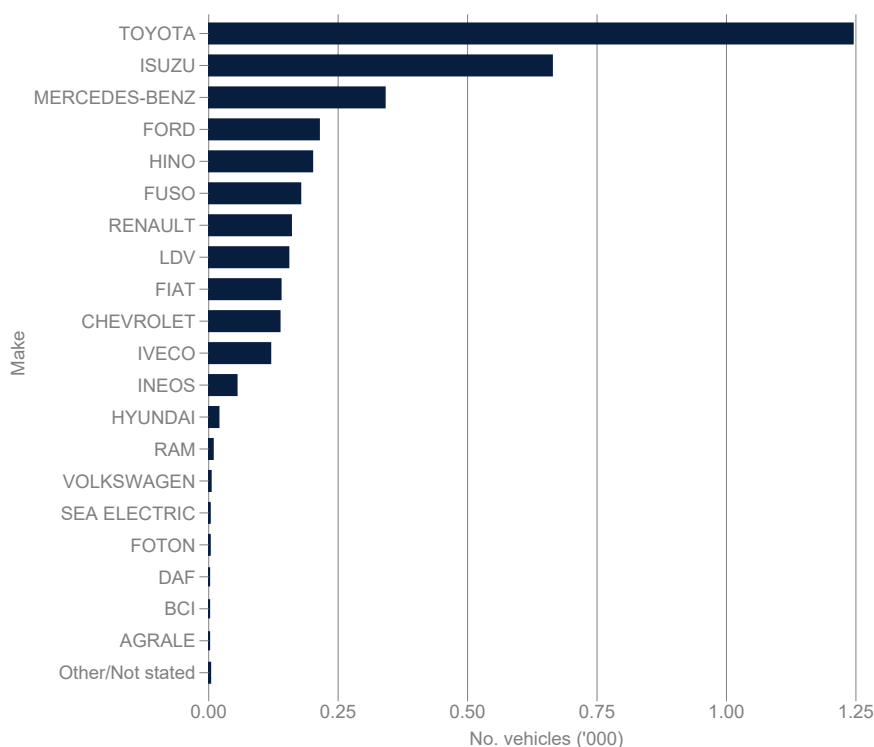
Figure 7 Type approval RAV entries, light commercial vehicles, top 20 makes, November 2024

Sources: RAV and BITRE estimates.

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

Rank	Make	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
1	Toyota	1,243	1,209	1,824	12,616	13,742
2	Isuzu	662	779	606	8,226	8,817
3	Mercedes-Benz	339	574	338	4,402	4,536
4	Ford	212	532	146	2,382	2,382
5	Hino	199	310	266	3,053	3,150
6	Fuso	176	384	173	2,757	2,956
7	Renault	158	255	76	2,276	2,304
8	LDV	153	221	368	2,577	2,895
9	Fiat	138	169	149	2,023	2,062
10	Chevrolet	136	167	62	1,518	1,606
11	IVECO	118	112	97	1,568	1,602
12	Ineos	53	31	161	821	941
13	Hyundai	18	22	23	331	349
14	RAM	7	0	34	271	328
15	Volkswagen	3	21	41	717	787
16	Foton	1	4	17	109	124
17	Sea Electric	1	0	0	12	12
18	Agrale	0	0	0	4	4
19	BCI	0	0	0	2	2
20	DAF	0	0	0	3	3
21	Other/Not stated	2	53	115	912	978
Total	-	3,619	4,843	4,496	46,580	49,580

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

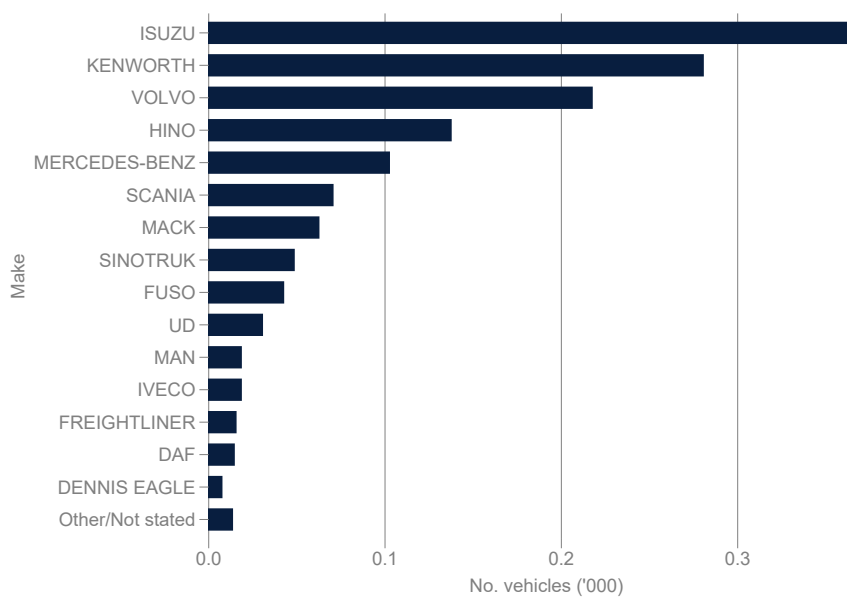
Figure 8 Type approval RAV entries, medium goods vehicles, top 20 makes, November 2024

Sources: RAV and BITRE estimates.

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

Rank	Make	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
1	Isuzu	365	409	284	4,188	4,451
2	Kenworth	280	372	341	3,869	4,139
3	Volvo	217	232	321	2,919	3,116
4	Hino	137	298	195	2,153	2,172
5	Mercedes-Benz	102	136	112	1,319	1,376
6	Scania	70	88	119	1,220	1,311
7	Mack	62	49	117	728	808
8	Sinotruk	48	50	24	511	577
9	Fuso	42	83	96	1,056	1,150
10	UD	30	26	80	628	738
11	IVECO	18	55	38	590	608
12	MAN	18	39	62	441	467
13	Freightliner	15	12	26	297	326
14	DAF	14	15	122	992	1,052
15	Dennis Eagle	7	10	4	128	133
16	Other/Not stated	13	15	32	347	362
Total	-	1,438	1,889	1,973	21,386	22,786

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

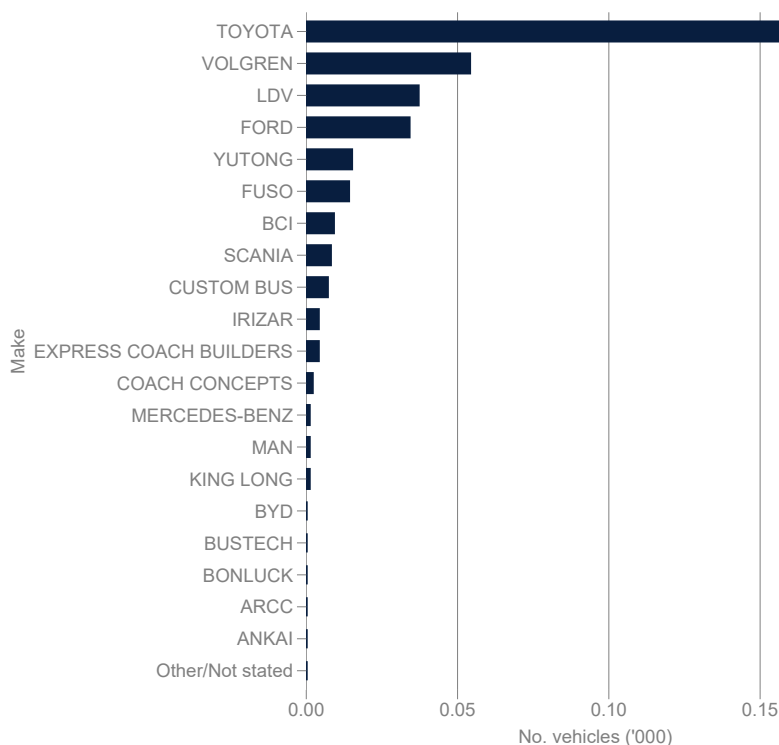
Figure 9 Type approval RAV entries, heavy goods vehicles, top 15 makes, November 2024

Sources: RAV and BITRE estimates.

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

Rank	Make	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
1	Toyota	182	268	203	2,985	3,117
2	Volgren	54	67	31	541	560
3	LDV	37	57	86	445	471
4	Ford	34	50	0	192	192
5	Yutong	15	76	27	353	369
6	Fuso	14	9	35	245	279
7	BCI	9	110	6	306	313
8	Scania	8	1	3	42	53
9	Custom Bus	7	13	9	106	117
10	Express Coach Builders	4	0	3	23	27
11	Irizar	4	31	23	197	199
12	Coach Concepts	2	2	1	24	25
13	King Long	1	13	10	110	111
14	MAN	1	11	0	34	34
15	Mercedes-Benz	1	8	6	108	111
16	Ankai	0	0	0	0	0
17	ARCC	0	2	0	2	2
18	Bonluck	0	20	0	53	53
19	Bustech	0	0	0	23	25
20	BYD	0	0	5	13	13
21	Other/Not stated	0	129	3	286	290
Total	-	373	867	451	6,088	6,361

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

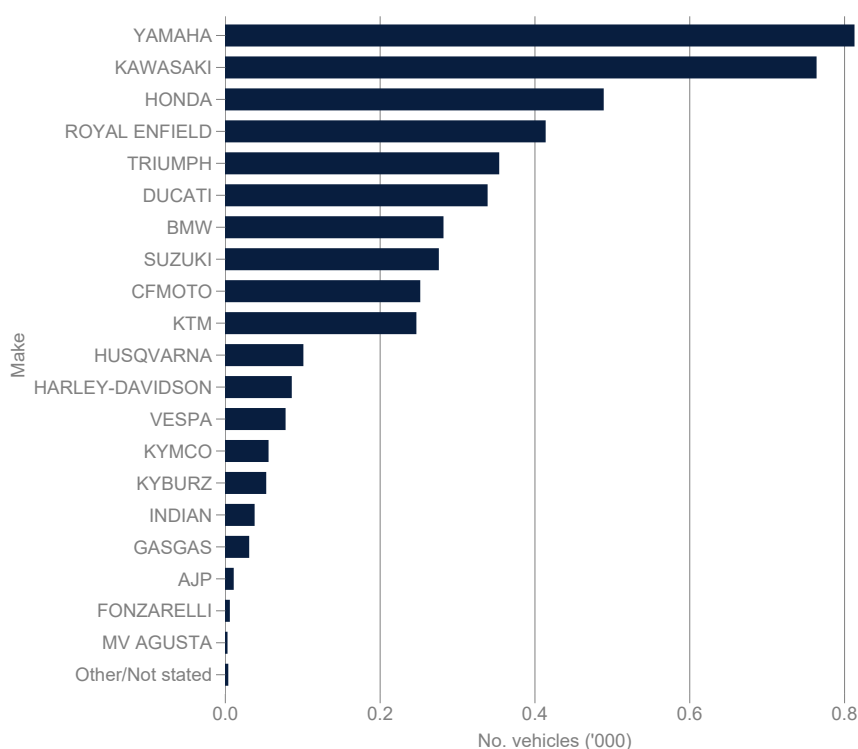
Figure 10 Type approval RAV entries, all buses, top 20 makes, November 2024

Sources: RAV and BITRE estimates.

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

Rank	Make	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
1	Yamaha	811	525	1,801	7,463	8,605
2	Kawasaki	762	448	400	5,141	5,517
3	Honda	487	1,301	433	8,295	8,617
4	Royal Enfield	412	222	0	2,314	2,490
5	Triumph	352	143	163	2,647	2,886
6	Ducati	337	65	217	1,658	1,762
7	BMW	280	279	158	3,383	3,594
8	Suzuki	274	242	495	2,337	2,539
9	CFMoto	250	276	96	3,104	3,228
10	KTM	245	762	506	4,698	6,246
11	Husqvarna	99	175	306	1,354	1,778
12	Harley-Davidson	84	495	195	4,431	5,074
13	Vespa	76	102	36	567	603
14	Kymco	54	17	108	1,483	1,700
15	Kyburz	51	20	0	72	72
16	Indian	36	63	91	629	728
17	GASGAS	29	55	141	502	748
18	Ajp	9	0	0	21	23
19	Fonzarelli	4	10	0	178	226
20	MV Agusta	1	40	86	129	129
21	Other/Not stated	2	757	316	4,155	4,482
Total	-	4,655	5,997	5,548	54,561	61,047

^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, November 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, November 2024^a

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Toyota	RAV4	5,777	5,350	2,377	55,319	57,746
	LANDCRUISER PRADO	2,821	2,093	3,548	6,392	8,597
	COROLLA	2,493	1,981	3,029	30,485	33,235
	YARIS	812	858	1,025	9,595	10,492
	Other/Not stated	2,253	2,560	3,892	44,285	48,391
	Total	14,156	12,842	13,871	146,076	158,461
Mazda	CX-3	1,641	3,355	1,647	19,860	21,201
	MAZDA 3	1,430	1,330	966	10,521	11,728
	CX-30	1,256	1,873	1,658	13,068	13,639
	CX-5	1,004	1,672	288	21,746	24,416
	CX-60	553	238	384	3,174	3,339
	Other/Not stated	1,420	2,864	1,089	11,320	12,437
Total	7,304	11,332	6,032	79,689	86,760	
Hyundai	TUCSON	1,329	1,864	2,217	18,164	19,593
	I30	974	1,555	1,150	13,027	14,211
	KONA	823	1,791	1,097	16,476	17,466
	VENUE	528	898	584	6,695	7,065
	Other/Not stated	570	1,221	1,015	10,381	11,200
	Total	4,224	7,329	6,063	64,743	69,535
Mitsubishi	OUTLANDER	2,008	2,637	2,623	25,223	27,548
	ASX	1,319	1,496	745	11,797	12,823
	ECLIPSE	461	756	699	8,972	9,762
	PAJERO	305	504	1,107	6,429	7,271
	Other/Not stated	0	0	0	0	0
	Total	4,093	5,393	5,174	52,421	57,404
MG	AZS1	1,625	1,954	1,458	17,877	19,489
	MG3	1,169	1,184	836	11,236	11,861
	MG4	661	1,206	1,137	5,515	6,039
	HS	349	615	704	4,442	4,741
	Other/Not stated	234	244	729	4,168	4,705
	Total	4,038	5,203	4,864	43,238	46,835
Ford	EVEREST	2,959	2,609	2,050	26,610	27,553
	MUSTANG	895	340	70	2,855	3,065
	Other/Not stated	54	1	142	778	911
	Total	3,908	2,950	2,262	30,243	31,529
Nissan	X-TRAIL	2,607	1,349	2,862	16,884	17,816
	JUKE	171	248	401	884	1,186
	Other/Not stated	391	1,094	2,129	14,862	16,104
	Total	3,169	2,691	5,392	32,630	35,106
Subaru	FORESTER	1,170	1,270	1,335	12,534	13,894
	CROSSTREK	789	1,135	1,064	10,772	11,836
	OUTBACK	655	884	1,039	9,699	10,313
	WRX	161	160	95	1,972	2,173
	Other/Not stated	211	262	150	3,106	3,402
	Total	2,986	3,711	3,683	38,083	41,618
BMW	X SERIES	706	995	1,226	8,690	9,291
	X1	287	473	647	4,343	4,457
	4 SERIES	238	177	333	2,857	2,925
	3 SERIES	226	48	251	2,128	2,204
	X2	198	254	0	1,967	1,967
	2 SERIES	145	131	232	1,825	1,957
	Other/Not stated	788	346	225	2,456	2,620
	Total	2,588	2,424	2,914	24,266	25,421
Haval	JOLION	1,394	1,195	1,070	12,930	13,994
	H6	911	1,150	1,614	11,320	12,105
	Total	2,305	2,345	2,684	24,250	26,099

(continued)

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

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Kia	RIO	597	686	378	6,181	6,603
	SPORTAGE	491	975	1,322	21,681	22,278
	PICANTO	352	296	361	5,529	5,691
	SORENTO	257	620	145	8,859	9,864
	CARNIVAL	198	214	434	9,473	9,987
	SELTOS	108	286	858	7,389	7,773
	Other/Not stated	79	526	960	20,217	21,747
	Total	2,082	3,603	4,458	79,329	83,943
Suzuki	JIMNY	1,045	1,006	275	9,945	10,473
	SWIFT	493	489	708	5,698	5,910
	VITARA	354	180	313	2,688	2,839
	IGNIS	142	162	123	1,712	1,822
	Other/Not stated	38	33	55	623	647
	Total	2,072	1,870	1,474	20,666	21,691
Mercedes-Benz	X254	382	701	811	4,250	4,489
	H247	313	460	115	2,989	3,097
	V167	248	150	807	1,571	1,721
	X243	131	88	62	467	479
	177	129	183	129	1,939	2,064
	X247	113	96	58	1,284	1,320
	206	99	98	87	1,924	2,106
	Other/Not stated	325	429	650	5,166	5,563
	Total	1,740	2,205	2,719	19,590	20,839
Honda	CR-V	851	371	1,361	5,898	7,052
	HR-V	447	417	179	3,378	3,823
	ZR-V	249	355	631	4,641	5,273
	Other/Not stated	95	0	188	1,079	1,079
		Total	1,642	1,143	2,359	14,996
Chery	OMODA 5	588	738	585	5,605	5,605
	TIGGO 8	440	401	0	2,515	2,515
	Other/Not stated	601	1,182	807	3,244	3,682
		Total	1,629	2,321	1,392	11,364
Tesla	MODEL Y	831	3,759	3,290	19,773	20,073
	MODEL 3	621	694	60	15,255	16,878
		Total	1,452	4,453	3,350	35,028
Audi	Q3	714	832	209	5,456	5,588
	Q5	258	353	202	2,601	2,989
	Other/Not stated	302	469	571	6,741	7,145
		Total	1,274	1,654	982	14,798
Lexus	NX AZ2	522	741	396	5,829	6,112
	RX AL3	206	160	91	2,031	2,143
	LX J30L	108	77	43	549	612
	Other/Not stated	397	493	327	4,108	4,432
		Total	1,233	1,471	857	12,517
Volkswagen	TIGUAN	348	372	519	7,350	7,967
	GOLF	252	547	56	2,825	2,836
	POLO	215	198	223	1,967	1,971
	T-ROC	142	73	441	7,665	7,849
	TOUAREG	85	109	7	888	894
	T-CROSS	56	53	108	2,060	2,079
	Other/Not stated	13	8	122	656	784
		Total	1,111	1,360	1,476	23,411
Polestar	Other/Not stated	783	335	220	1,604	1,787
		Total	783	335	220	1,604

(continued)

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

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
BYD	DOLPHIN	450	0	2	1,771	2,229
	ATTO3	110	100	301	2,137	2,137
	SEAL	102	560	699	6,109	6,417
	Other/Not stated	57	100	0	6,889	6,889
	Total	719	760	1,002	16,906	17,672
Land Rover	RANGE ROVER	323	292	462	3,649	3,886
	DEFENDER	159	250	349	2,900	2,941
	DISCOVERY	126	36	108	835	877
	Total	608	578	919	7,384	7,704
Tank	300	377	273	433	3,469	3,768
	500	147	112	0	1,825	1,826
	Total	524	385	433	5,294	5,594
Volvo	X SERIES	149	215	598	2,785	3,394
	XC60	111	77	116	1,460	1,621
	XC90	55	54	74	603	714
	Other/Not stated	135	120	42	2,555	2,569
	Total	450	466	830	7,403	8,298
Porsche	MACAN	214	419	178	3,008	3,187
	CAYENNE	83	159	174	1,697	1,770
	Other/Not stated	147	185	46	2,110	2,171
	Total	444	763	398	6,815	7,128
All other makes	Total	2,948	3,996	4,540	47,075	51,255
Total	Total	69,482	83,583	80,348	859,819	924,060

^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, November 2024^a

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Ford	RANGER	4,798	4,569	11,118	58,886	64,325
	Other/Not stated	399	603	785	8,474	8,927
	Total	5,197	5,172	11,903	67,360	73,252
Toyota	HILUX	3,305	2,791	5,420	47,995	52,067
	HIACE	1,092	1,381	715	11,788	12,326
	Total	4,397	4,172	6,135	59,783	64,393
Isuzu	D-MAX	1,887	1,338	3,706	25,722	29,385
	Total	1,887	1,338	3,706	25,722	29,385
Mazda	BT-50	1,107	1,229	1,873	12,409	13,934
	Total	1,107	1,229	1,873	12,409	13,934
Nissan	NAVARA	848	1,158	1,315	9,268	10,044
	Total	848	1,158	1,315	9,268	10,044
LDV	T60	487	432	781	5,969	6,627
	G10	157	240	236	2,201	2,507
	Other/Not stated	123	19	3	337	372
	Total	767	691	1,020	8,507	9,506
Mitsubishi	TRITON	752	3,145	2,446	16,389	17,791
	Total	752	3,145	2,446	16,389	17,791
Great Wall	CANNON	745	973	983	8,461	9,082
	Total	745	973	983	8,461	9,082
Volkswagen	Other/Not stated	394	1,201	1,023	9,488	10,930
	Total	394	1,201	1,023	9,488	10,930
RAM	1500	203	248	280	3,582	3,862
	Total	203	248	280	3,582	3,862
Chevrolet	SILVERADO	182	230	315	2,675	2,911
	Total	182	230	315	2,675	2,911
Hyundai	STARIA	160	183	151	3,453	3,601
	Total	160	183	151	3,453	3,601
Jac	Other/Not stated	98	66	0	274	274
	Total	98	66	0	274	274
Jeep	GLADIATOR	63	64	20	498	532
	Total	63	64	20	498	532
Renault	TRAFIC	29	80	111	1,250	1,252
	Other/Not stated	0	9	0	287	287
	Total	29	89	111	1,537	1,539
Peugeot	PARTNER	24	51	72	373	464
	Other/Not stated	0	0	26	281	381
	Total	24	51	98	654	845
Mercedes-Benz	VITO	17	41	1	379	404
	Other/Not stated	0	0	9	4	8
	Total	17	41	10	383	412
BYD	Other/Not stated	14	0	0	14	14
	Total	14	0	0	14	14
Ssangyong	MUSSO	1	89	152	3,726	4,019
	Total	1	89	152	3,726	4,019
Land Rover	DEFENDER	0	0	5	5	5
	Total	0	0	5	5	5
All other makes	Total	0	0	5	5	5
Total	Total	16,885	20,140	31,551	234,193	256,336

^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, November 2024^a

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Toyota	LANDCRUISER	1,151	1,141	1,779	12,052	13,139
	TUNDRA	92	68	45	564	603
	Other/Not stated	0	0	0	0	0
	Total	1,243	1,209	1,824	12,616	13,742
Isuzu	NH NP	156	161	168	1,760	1,879
	NPR	132	99	90	1,424	1,568
	NLR	132	230	100	2,161	2,262
	NNR	108	65	86	855	913
	FRR	63	113	66	1,172	1,266
	NQR	58	106	77	728	793
	Other/Not stated	13	5	19	126	136
	Total	662	779	606	8,226	8,817
Mercedes-Benz	SPRINTER	338	569	338	4,346	4,477
	Other/Not stated	1	5	0	56	59
	Total	339	574	338	4,402	4,536
Ford	TRANSIT	212	532	146	2,382	2,382
	Other/Not stated	0	0	0	0	0
	Total	212	532	146	2,382	2,382
Hino	300 SERIES	123	250	221	2,344	2,416
	FC	42	26	18	320	337
	FD	31	30	23	321	327
	Other/Not stated	3	4	4	68	70
	Total	199	310	266	3,053	3,150
Fuso	CANTER	135	333	115	2,134	2,290
	FIGHTER	41	48	58	614	657
	Other/Not stated	0	3	0	9	9
	Total	176	384	173	2,757	2,956
Renault	MASTER	158	255	76	2,276	2,304
	Total	158	255	76	2,276	2,304
LDV	DELIVER 9	151	213	367	2,397	2,714
	Other/Not stated	2	8	1	180	181
	Total	153	221	368	2,577	2,895
Fiat	DUCATO	137	169	149	2,022	2,061
	Other/Not stated	1	0	0	1	1
	Total	138	169	149	2,023	2,062
Chevrolet	SILVERADO	136	167	62	1,518	1,606
	Total	136	167	62	1,518	1,606
IVECO	DAILY	118	112	96	1,564	1,598
	Other/Not stated	0	0	1	4	4
	Total	118	112	97	1,568	1,602
Ineos	GRENADIER	53	31	161	821	941
	Total	53	31	161	821	941
Hyundai	MIGHTY	18	19	18	290	308
	Other/Not stated	0	3	5	41	41
	Total	18	22	23	331	349
RAM	Other/Not stated	7	0	34	271	328
	Total	7	0	34	271	328
Volkswagen	CRAFTER	3	21	41	717	787
	Total	3	21	41	717	787
Foton	AUMARK	1	2	11	25	35
	Other/Not stated	0	2	6	84	89
	Total	1	4	17	109	124
Sea Electric	300 85	1	0	0	12	12
	Total	1	0	0	12	12

(continued)

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

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Dodge	RAM DX	0	50	9	103	104
	RAM D1	0	1	69	699	764
	Total	0	51	78	802	868
DAF	LF45	0	0	0	3	3
	Total	0	0	0	3	3
Equi-Trek	SUPER SONIC HORSEBOX	0	0	0	3	3
	SPRINTER	0	0	0	2	2
	Total	0	0	0	5	5
All other makes	Total	2	2	37	111	111
Total	Total	3,619	4,843	4,496	46,580	49,580

^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, November 2024^a

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Isuzu	FVZ	108	91	66	848	902
	FSR	90	101	78	1,093	1,162
	FYH	54	66	25	691	717
	FXZ	41	72	28	561	589
	FTS	24	17	10	197	209
	FVR	19	24	20	370	388
	Other/Not stated	29	38	57	428	484
	Total	365	409	284	4,188	4,451
Kenworth	T909	96	88	55	915	967
	T610	66	88	96	958	1,040
	T659	46	51	30	436	454
	C509	24	35	9	191	198
	K220	17	44	23	545	562
	T410	14	27	14	233	250
	Other/Not stated	17	39	114	591	668
	Total	280	372	341	3,869	4,139
Volvo	FM	119	76	142	1,118	1,208
	FH	61	124	146	1,384	1,451
	FE	37	31	32	410	450
	Other/Not stated	0	1	1	7	7
	Total	217	232	321	2,919	3,116
Hino	FE	53	92	69	547	554
	FG	24	28	30	297	298
	FL	22	17	18	138	141
	FM	11	95	19	497	500
	GT	8	11	12	141	141
	GH	7	20	20	179	179
	FS	7	19	12	181	183
	Other/Not stated	5	16	15	173	176
	Total	137	298	195	2,153	2,172
Mercedes-Benz	96X	101	114	102	1,154	1,205
	Other/Not stated	1	22	10	165	171
	Total	102	136	112	1,319	1,376
Scania	R SERIES	39	38	53	601	656
	P SERIES	19	27	20	285	305
	G SERIES	11	21	46	327	342
	Other/Not stated	1	2	0	7	8
	Total	70	88	119	1,220	1,311
Mack	SUPERLINER	36	26	45	276	309
	ANTHEM	13	13	40	190	208
	TRIDENT	12	8	22	163	175
	Other/Not stated	1	2	10	99	116
	Total	62	49	117	728	808
Sinotruk	T5G	41	25	19	261	313
	C7H	6	25	4	232	246
	Other/Not stated	1	0	1	18	18
	Total	48	50	24	511	577
Fuso	FIGHTER	29	54	43	536	574
	FV SERIES	9	25	43	399	441
	FS SERIES	4	4	10	111	122
	Other/Not stated	0	0	0	10	13
	Total	42	83	96	1,056	1,150
UD	PK	18	2	9	81	82
	CWB	8	13	8	191	216
	CGB	3	9	23	157	171
	Other/Not stated	1	2	40	199	269
	Total	30	26	80	628	738

(continued)

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

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
IVECO	S-WAY	11	14	28	382	389
	EUROCARGO	3	19	7	78	81
	ACCO	3	22	0	83	83
	ASTRA	1	0	0	13	13
	Other/Not stated	0	0	3	34	42
	Total	18	55	38	590	608
MAN	TGA	15	38	42	331	352
	TGM	3	1	20	43	48
	Other/Not stated	0	0	0	67	67
	Total	18	39	62	441	467
Freightliner	CASCADIA	15	12	26	297	326
	Total	15	12	26	297	326
DAF	CF17	14	8	114	747	788
	Other/Not stated	0	7	8	245	264
	Total	14	15	122	992	1,052
Western Star	X-SERIES	7	12	22	261	273
	Total	7	12	22	261	273
All other makes	Total	13	13	14	214	222
Total	Total	1,438	1,889	1,973	21,386	22,786

^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, November 2024^a

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Toyota	COMMUTER	152	250	187	2,719	2,843
	COASTER	30	18	16	266	274
	Total	182	268	203	2,985	3,117
Volgren	2 AXLE OMNIBUS	54	67	29	537	555
	Other/Not stated	0	0	2	4	5
	Total	54	67	31	541	560
LDV	DELIVER 9	37	57	86	445	471
	Total	37	57	86	445	471
Ford	TRANSIT	34	50	0	192	192
	Total	34	50	0	192	192
Yutong	C12	11	9	8	112	116
	E12	4	5	0	23	23
	Other/Not stated	0	62	19	218	230
	Total	15	76	27	353	369
Fuso	ROSA	14	9	35	245	279
	Total	14	9	35	245	279
BCI	PK6127A	4	93	5	168	170
	Other/Not stated	5	17	1	138	143
	Total	9	110	6	306	313
Scania	TOURING	8	1	2	32	39
	Other/Not stated	0	0	1	10	14
	Total	8	1	3	42	53
Custom Bus	PHOENIX	4	6	1	22	22
	METRO	2	0	4	28	28
	ELEMENT	1	7	4	56	67
	Total	7	13	9	106	117
Irizar	COACH	4	31	23	197	199
	Total	4	31	23	197	199
Express Coach Builders	OMNIBUS	4	0	3	23	27
	Total	4	0	3	23	27
Coach Concepts	EXPLORER	2	2	1	24	25
	Total	2	2	1	24	25
King Long	6120BS	1	5	6	59	59
	Other/Not stated	0	8	4	51	52
	Total	1	13	10	110	111
Mercedes-Benz	SPRINTER	1	8	6	108	111
	Total	1	8	6	108	111
MAN	Other/Not stated	1	11	0	34	34
	Total	1	11	0	34	34
Bustech	XDI	0	0	0	0	0
	VST	0	0	0	23	25
	Other/Not stated	0	0	0	0	0
	Total	0	0	0	23	25
BYD	Other/Not stated	0	0	5	13	13
	Total	0	0	5	13	13
ARCC	LAF	0	0	0	0	0
	Other/Not stated	0	2	0	2	2
	Total	0	2	0	2	2
Bonluck	ELECTRIC COACH	0	0	0	0	0
	Other/Not stated	0	20	0	53	53
	Total	0	20	0	53	53
Hess	LighTram	0	1	0	30	30
	Total	0	1	0	30	30
All other makes	Total	0	128	3	256	260

(continued)

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

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Total	Total	373	867	451	6,088	6,361

^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, November 2024^a

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Yamaha	YZF	169	101	226	1,149	1,336
	SEH2	128	64	186	991	991
	YZF320	114	0	170	590	746
	MTN890	90	13	148	612	627
	WR SERIES	82	228	224	1,283	1,480
	MTN660	76	0	179	339	634
	YZF155	45	0	30	155	155
	Other/Not stated	107	119	638	2,344	2,636
	Total	811	525	1,801	7,463	8,605
Kawasaki	EX400	193	71	0	1,319	1,319
	EN650	115	64	76	810	880
	ER650	71	40	0	204	212
	ZR900	48	31	48	408	433
	KLX230	48	35	33	149	151
	EX650	45	62	85	332	385
	ZX1000	44	13	31	241	283
	Other/Not stated	198	132	127	1,678	1,854
		Total	762	448	400	5,141
Honda	XL750	114	20	30	603	621
	Other/Not stated	373	1,281	403	7,692	7,996
	Total	487	1,301	433	8,295	8,617
Royal Enfield	CNEX	122	42	0	764	814
	J1	34	48	0	363	480
	Other/Not stated	256	132	0	1,187	1,196
	Total	412	222	0	2,314	2,490
Triumph	Other/Not stated	352	143	163	2,647	2,886
	Total	352	143	163	2,647	2,886
Ducati	PANIGALE	89	4	56	290	305
	3F	35	9	10	135	164
	1X	27	6	32	191	212
	4M	24	10	6	130	130
	Other/Not stated	162	36	113	912	951
	Total	337	65	217	1,658	1,762
BMW	K50	56	61	33	691	737
	S1000	35	67	30	738	789
	K8X	28	49	22	499	534
	Other/Not stated	161	102	73	1,455	1,534
	Total	280	279	158	3,383	3,594
Suzuki	DR-Z400	78	0	41	498	530
	DS250	48	23	30	349	378
	GSX250	27	12	60	192	195
	GSX-S1000	23	25	26	213	225
	DL650	20	22	8	155	169
	GSX1300	17	3	55	110	130
	UK110	16	26	184	230	292
	DL800	16	36	15	134	146
	GSX800	15	63	15	217	223
	Other/Not stated	14	32	61	239	251
	Total	274	242	495	2,337	2,539
CFMoto	CF400	160	216	81	1,921	1,985
	CF800	28	0	6	309	369
	Other/Not stated	62	60	9	874	874
	Total	250	276	96	3,104	3,228
KTM	4T-EXC	167	408	123	1,639	2,484
	2T-EXC	40	350	256	830	1,064
	DUKE	38	0	0	265	265
	Other/Not stated	0	4	127	1,964	2,433
	Total	245	762	506	4,698	6,246

(continued)

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

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Husqvarna	FE	59	93	206	518	708
	TE	40	64	6	289	415
	Other/Not stated	0	18	94	547	655
	Total	99	175	306	1,354	1,778
Harley-Davidson	CRU SERIES	80	396	127	2,339	2,472
	Other/Not stated	4	99	68	2,092	2,602
	Total	84	495	195	4,431	5,074
Vespa	Other/Not stated	76	102	36	567	603
	Total	76	102	36	567	603
Kymco	KG10AA	48	0	14	157	157
	CK50QT-5	6	0	64	213	213
	Other/Not stated	0	17	30	1,113	1,330
	Total	54	17	108	1,483	1,700
Kyburz	DXP	51	20	0	71	71
	Other/Not stated	0	0	0	1	1
	Total	51	20	0	72	72
Indian	CHIEF	10	0	0	41	66
	TYPE D CHIEF	5	0	41	139	139
	Other/Not stated	21	63	50	449	523
	Total	36	63	91	629	728
GASGAS	EC SERIES	29	55	141	485	709
	Other/Not stated	0	0	0	17	39
	Total	29	55	141	502	748
Ajo	PR7	9	0	0	14	16
	Other/Not stated	0	0	0	7	7
	Total	9	0	0	21	23
Fonzarelli	Other/Not stated	4	10	0	178	226
	Total	4	10	0	178	226
MV Agusta	D	1	4	28	37	37
	Other/Not stated	0	36	58	92	92
	Total	1	40	86	129	129
All other makes	Total	2	757	316	4,155	4,482
Total	Total	4,655	5,997	5,548	54,561	61,047

^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, November 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	
Nov 2024	1,265	304	56	4	0	78	232	36	15	433	2,423
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	622	2,836
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
Nov 2022	393	2	4	17	0	8	38	8	12	1,218	1,700

^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).

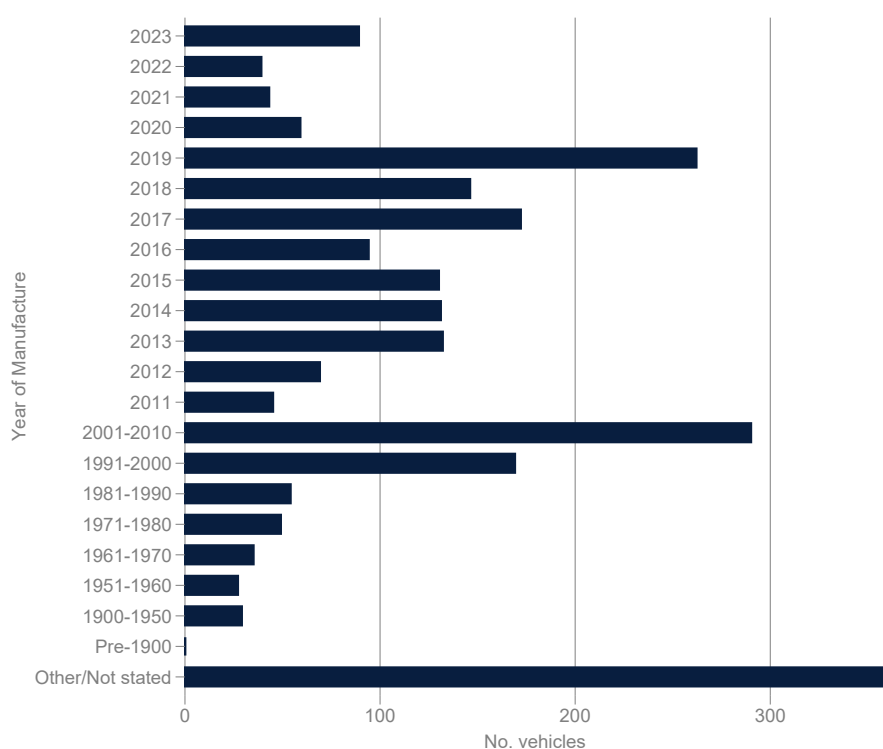
^d Total excludes Second Stage of Manufacture vehicles.

Sources: RAV and BITRE estimates.

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

Year of manufacture	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
2023	89	99	441	1,932	2,336
2022	39	55	91	626	697
2021	43	71	68	660	714
2020	59	64	72	744	803
2019	262	284	95	1,975	2,063
2018	146	205	331	3,006	3,298
2017	172	229	277	2,278	2,486
2016	94	119	136	1,505	1,625
2015	130	191	122	1,775	1,915
2014	131	204	195	1,956	2,098
2013	132	145	124	1,600	1,697
2012	69	74	122	1,082	1,188
2011	45	60	53	641	698
2001-2010	290	342	376	3,717	4,067
1991-2000	169	243	239	2,254	2,410
1981-1990	54	75	109	854	930
1971-1980	49	103	68	859	931
1961-1970	35	70	75	690	743
1951-1960	27	31	22	328	345
1900-1950	29	34	18	291	307
Pre-1900	0	0	0	4	5
Other/Not stated	359	388	0	3,448	3,452
Total	2,423	3,086	3,034	32,225	34,808

Sources: RAV and BITRE estimates.

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

Sources: RAV and BITRE estimates.

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

Month ^b	SEV approval criterion							Total
	Camper-vans and Motor-homes	Environ-mental	Left-Hand Drive	Mobility	Perfor-mance	Rarity	Not stated	
Nov 2024	327	864	52	102	275	5	0	1,625
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
Nov 2022	1	90	0	1	41	0	261	394

^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, November 2024

Month ^a	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Light trailers	Not stated	Total
Nov 2024	354	2,310	1,276	150	14	2	0	4,106
Oct 2024	223	2,255	1,377	145	63	0	0	4,063
Sep 2024	179	2,204	1,283	142	53	1	0	3,862
Aug 2024	181	2,248	1,523	161	41	0	0	4,154
Jul 2024	205	2,439	1,388	146	28	0	0	4,206
Jun 2024	395	2,020	1,333	143	40	0	0	3,931
May 2024	529	3,194	1,424	173	30	0	0	5,350
Apr 2024	394	2,519	1,248	173	30	0	0	4,364
Mar 2024	557	2,671	1,162	139	24	0	0	4,553
Feb 2024	549	3,244	1,248	147	30	0	0	5,218
Jan 2024	267	2,893	842	170	25	0	0	4,197
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	3,899	1,293	40	39	0	0	5,437
Jul 2023	119	3,006	971	30	37	0	0	4,163
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
Nov 2022	63	2,584	736	1	19	0	0	3,403

^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, November 2024

Make	Model	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
Toyota	HILUX	1,845	1,727	2,596	22,765	24,938
	LANDCRUISER	378	450	399	4,293	4,564
	HIACE	25	22	23	223	235
	Other/Not stated	10	29	50	267	298
	Total	2,258	2,228	3,068	27,548	30,035
Ford	RANGER	350	314	290	4,366	4,659
	EVEREST	32	50	0	198	198
	Other/Not stated	83	33	2	120	121
	Total	465	397	292	4,684	4,978
Nissan	PATROL	215	67	133	2,353	2,459
	NAVARA	143	208	198	2,243	2,471
	Total	358	275	331	4,596	4,930
Isuzu	D-MAX	263	281	162	2,017	2,186
	NPS	17	26	30	263	288
	MU-X	13	20	24	308	335
	Other/Not stated	11	43	18	281	294
	Total	304	370	234	2,869	3,103
Mercedes-Benz	SPRINTER	141	133	91	1,467	1,629
	96X	38	21	7	229	241
	Other/Not stated	11	6	1	36	37
	Total	190	160	99	1,732	1,907
Fiat	DUCATO	125	175	168	1,646	1,751
	Other/Not stated	5	1	0	11	11
	Total	130	176	168	1,657	1,762
Renault	MASTER	106	99	60	715	749
	Other/Not stated	0	3	1	18	22
	Total	106	102	61	733	771
Mazda	BT-50	54	67	89	899	966
	Total	54	67	89	899	966
IVECO	DAILY	42	48	29	646	715
	Other/Not stated	0	1	0	23	30
	Total	42	49	29	669	745
Volkswagen	TRANSPORTER	12	7	16	127	136
	Other/Not stated	15	25	52	287	306
	Total	27	32	68	414	442
All other makes	Total	172	207	251	2,203	2,502
Total	Total	4,106	4,063	4,690	48,004	52,141

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, November 2024^a

Rank	Make	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
1	Victorian Trailers	730	763	778	8,058	8,676
2	Stonegate Industries	597	542	825	10,765	11,308
3	Dunbier	514	401	205	2,908	3,229
4	Telwater Trailers	435	393	600	4,694	5,136
5	Century Trailers	349	320	224	3,310	3,489
6	All States Trailers	305	237	172	1,412	1,803
7	King Kong Trailers	255	301	276	1,767	1,812
8	Superior Trailer Parts	212	228	176	1,605	1,707
9	Basic Trailers	163	168	129	1,482	1,560
10	Modern Trailers	161	143	149	1,482	1,606
11	Balance Trailers	160	158	175	1,908	2,033
12	Coastmac Trailers	160	231	359	1,646	1,767
13	Towrex Trailers	145	93	172	867	991
14	BTH Products	137	176	132	1,525	1,633
15	Powerlink	103	75	7	210	266
16	Bonanza Trailers	100	98	114	932	985
17	Tassie Trailers	100	76	0	386	456
18	Redco	99	89	165	918	1,021
19	Titanium	96	103	109	1,204	1,297
20	The Portable Toilet Company	95	0	0	199	199
21	Other makes	5,254	6,152	7,081	60,824	65,899
Total	-	10,170	10,747	11,848	108,102	116,873

^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, November 2024^a

Tare weight	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
<= 500 kilograms	5,428	5,579	6,068	54,264	58,847
> 500 and <= 750 kilograms	1,860	2,041	2,435	21,597	23,296
> 750 and <= 1000 kilograms	1,002	1,034	1,184	11,123	11,949
> 1000 and <= 1500 kilograms	1,139	1,251	1,183	12,638	13,658
> 1500 and <= 2000 kilograms	344	374	498	4,173	4,455
> 2000 and <= 2500 kilograms	164	202	216	1,894	2,051
> 2500 and <= 3000 kilograms	110	133	146	1,237	1,397
> 3000 and <= 3500 kilograms	65	68	42	558	582
Other / Not stated	58	65	76	618	638
Total	10,170	10,747	11,848	108,102	116,873

^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, November 2024^a

Rank	Make	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
1	Maxitrans	154	148	218	2,062	2,210
2	Vawdrey	141	189	193	2,078	2,174
3	Jamieson	94	13	121	783	846
4	Bruce Rock Engineering	70	93	41	859	922
5	AAA Trailers	62	66	75	668	709
6	Lionel Moore	49	27	39	401	417
7	Howard Porter	43	34	37	470	497
8	Haulmark Trailers	32	36	31	346	374
9	Road West Transport	31	16	29	231	244
10	FWR	30	37	25	361	391
11	Krueger	30	48	42	487	529
12	Drake Trailers	25	16	14	209	211
13	Cimcau	23	26	34	383	413
14	Sloanebuilt	23	13	21	203	217
15	FTE Trailers	21	26	21	254	263
16	ABS Trailquip	18	10	21	122	122
17	Graham Lusty Trailers	18	14	20	162	174
18	Tieman	17	14	13	156	172
19	Custom Quip Engineering	16	9	35	122	122
20	Duraquip	16	15	6	129	146
21	Other makes	586	765	788	7,319	7,803
Total	-	1,499	1,615	1,824	17,805	18,956

^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, November 2024^a

Aggregate trailer mass	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
> 4.5 and <= 7.5 tonnes	11	8	18	98	106
> 7.5 and <= 10.0 tonnes	40	32	31	409	450
> 10.0 and <= 15.0 tonnes	14	11	8	110	120
> 15.0 and <= 20.0 tonnes	134	113	121	1,209	1,268
> 20.0 and <= 25.0 tonnes	120	154	105	1,442	1,542
> 25.0 and <= 30.0 tonnes	56	58	67	521	550
> 30.0 and <= 35.0 tonnes	102	106	135	1,213	1,302
> 35.0 and <= 40.0 tonnes	367	535	547	6,075	6,468
> 40.0 and <= 45.0 tonnes	340	296	449	3,453	3,675
> 45.0 and <= 50.0 tonnes	262	243	307	2,657	2,847
> 50.0 and <= 55.0 tonnes	15	12	5	144	148
> 55.0 and <= 60.0 tonnes	25	35	17	351	357
> 60.0 tonnes	13	12	14	123	123

^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, November 2024^a

Rank	Make	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
1	Jayco	509	551	872	6,485	7,159
2	Austrack Campers	223	285	172	2,444	2,697
3	Market Direct Campers	212	274	210	2,404	2,549
4	Ezytrail	198	134	283	1,845	2,005
5	Regent RV	191	345	285	2,742	3,040
6	Crusader	149	199	200	1,765	1,864
7	Network RV	126	82	104	944	1,051
8	Leader Caravans	77	90	82	730	795
9	Stoney Creek Campers	75	97	82	847	914
10	Design RV	65	66	50	621	685
11	Lotus Caravans	59	55	66	576	576
12	New Age Caravans	58	111	128	930	1,018
13	Supreme Caravans	51	66	74	717	752
14	Urban Caravans	48	51	39	502	572
15	Sunland RV	43	46	6	204	209
16	Avan	42	29	61	451	480
17	Essential Caravans	42	77	72	752	776
18	Maverick Campers	37	29	25	271	284
19	Viscount Caravans	37	43	48	382	422
20	JB Caravans	36	66	71	470	579
21	Other makes	1,333	1,351	1,905	15,306	16,735
Total	-	3,611	4,047	4,835	41,388	45,162

^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, November 2024^a

Tare weight	Nov 2024	Oct 2024	Nov 2023	Year to date	Last 12 months
<= 500 kilograms	40	43	48	443	494
> 500 and <= 1000 kilograms	124	105	182	1,461	1,613
> 1000 and <= 1500 kilograms	345	316	431	3,669	4,022
> 1500 and <= 2000 kilograms	497	609	775	6,282	6,817
> 2000 and <= 2500 kilograms	1,418	1,561	1,922	16,002	17,419
> 2500 and <= 3000 kilograms	1,007	1,180	1,350	11,589	12,692
> 3000 and <= 3500 kilograms	157	183	112	1,456	1,583
> 3500 and <= 5000 kilograms	23	48	15	481	516
> 5000 kilograms	0	2	0	4	5
Not stated	0	0	0	1	1
Total	3,611	4,047	4,835	41,388	45,162

^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.

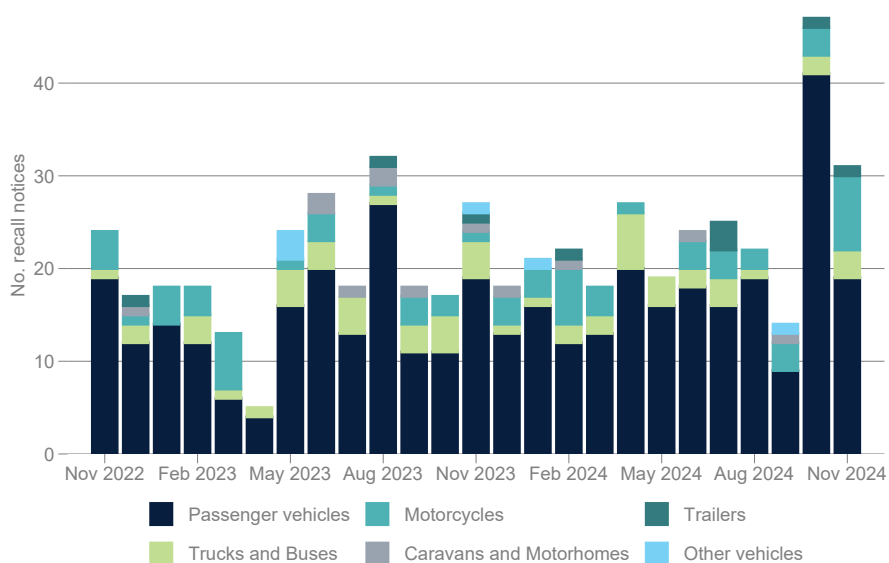
Vehicle recalls

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

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
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
Nov 2022	19	1	4	0	0	0	24

Sources: ROVER and BITRE estimates.

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



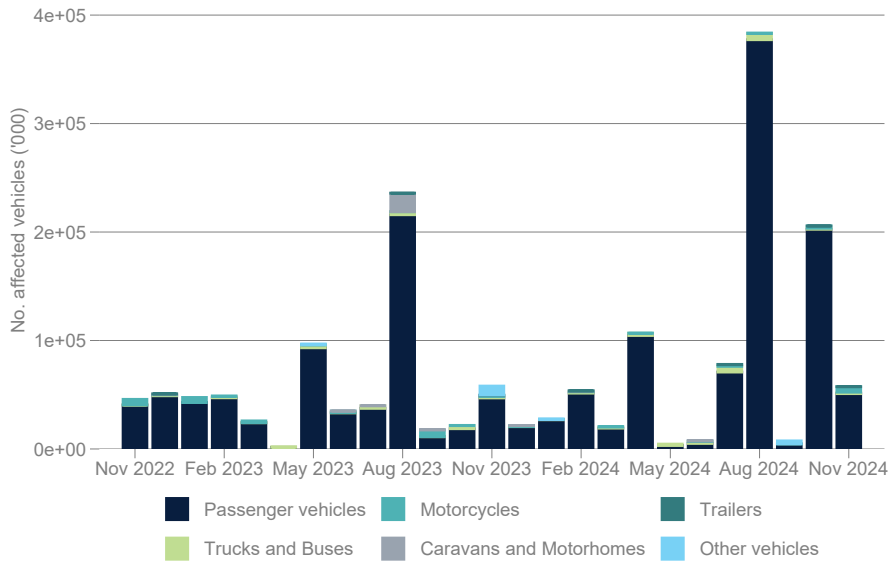
Sources: DITRDCA ROVER and BITRE estimates.

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

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
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
Nov 2022	40,538	61	5,140	0	0	0	45,739

Sources: ROVER and BITRE estimates.

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