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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

March 2024

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Road vehicle entry and recall statistics

March 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

A/g Head of Bureau

Bureau of Infrastructure and Transport Research Economics

April 2024

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Highlights – March 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 March 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 128,145 road vehicles entered on the RAV in March 2024, 2.6 per cent lower than total entries in February 2024 (i.e. 131,595 vehicles).¹
- There were 125,542 type approved vehicles entered in March 2024, 2.3 per cent lower than total type approved vehicles entries in February 2024 (i.e. 128,535 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 2,603 vehicles in the month of March 2024, 14.9 per cent lower than concessional RAV approval entries in February 2024 (i.e. 3,060 vehicles).

Type approved RAV entries by vehicle category

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

- 76,206 passenger vehicle RAV entries, 1.7 per cent lower than in February 2024
- 23,014 light commercial vehicle (LCV) RAV entries, 3.7 per cent lower than in February 2024
- 3,685 medium goods vehicle RAV entries, 18.7 per cent lower than in February 2024
- 2,084 heavy goods vehicle RAV entries, 3 per cent lower than in February 2024
- 278 bus RAV entries, 22.6 per cent lower than in February 2024, and
- 4,959 motorcycle RAV entries, 1.7 per cent higher than in February 2024.

Type approved RAV entries by vehicle make

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

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

Concessional RAV entry approval vehicles

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

- 1,531 passenger vehicles
- 186 LCVs
- 24 medium goods vehicles
- 82 heavy goods vehicles, and
- 345 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 1,742 specialist and enthusiast vehicles (SEVs) entries on the RAV in March 2024.
- There were 1,072 SEV RAV entries in March 2024 under environmental criterion.

Second stage of manufacture (SSM) RAV entries

- There were 4,686 SSM RAV entries in March 2024, comprising:
 - 2,796 light commercial vehicles
 - 1,177 medium goods vehicles
 - 550 passenger vehicles, and
 - 163 other vehicles.

Type approval RAV entries by trailer category

In the month of March 2024 there were:

- 13,242 type approved light trailer RAV entries
- 595 type approved medium trailer RAV entries, and
- 1,479 type approved heavy trailer RAV entries.

Type approved trailer RAV entries included approximately 4,288 caravans and camper trailers in the month of March 2024.²

Vehicle recall notices

- In March 2024 there were 18 recall notices published on the Department's website, covering approximately 20,695 vehicles.
- As at 31 March 2024 there were 4,966 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 – 3,241 notices (covering 18,913,731 vehicles)
 - Trucks and buses – 786 notices (covering 555,869 vehicles)
 - Motorcycles – 801 notices (covering 490,487 vehicles)
 - Caravans/motorhomes – 70 notices (covering 44,460 vehicles)
 - Trailers – 39 notices (covering 18,905 vehicles)
 - Other vehicles (not elsewhere specified) – 29 notices (covering 154,779 vehicles).

² Caravan and camper trailer vehicles are not separately enumerated in the RAV, BITRE has used trailer make and model information to derive caravan and camper trailer RAV entry estimates.

Introduction

This report provides monthly statistics on all approved road vehicles and activities governed under the Road Vehicle Standards Act 2018 (RVSA).

The RVSA was introduced on 1 July 2021 to support the safety, environmental and anti-theft performance of all road vehicles being provided to the Australian market for the first time. The RVSA replaced the Motor Vehicle Standards Act 1989 (MVSA). Further information about the RVSA is available on the Road Vehicle Standards laws page on the Department's website: www.infrastructure.gov.au.

The RVSA established the Register of Approved Vehicles (RAV), an online publicly-searchable database of vehicles that have met the requirements of the RVSA and been approved for provision to the Australian market. The RAV includes new road vehicles constructed in Australia and new and second-hand road vehicles imported from overseas, and covers motorised, non-motorised road vehicles (e.g. trailers, caravans, trailed machinery) and special purpose vehicles.

All road vehicles must be entered on the RAV before they are provided to the Australian market. An approval is required to import a road vehicle into Australia.

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

This publication is consistent with and promotes the purposes of the RAV by making publicly-available information about vehicles suitable to be sold, leased or otherwise provided for use within Australia more readily accessible to industry, consumers and the broader community.

Register of Approved Vehicles

A vehicle may be entered on the RAV only if it satisfies the requirements of one of two entry pathways: vehicle type approval or concessional RAV entry approval.

A vehicle type approval identifies the applicable national road vehicle standards for a road vehicle type. It also specifies the documents submitted to confirm compliance with them. A vehicle type approval allows that type of vehicle to be provided to the Australian market in unlimited volume.

A concessional RAV entry approval provides for applications to enter a single vehicle or up to 30 identical vehicles³ as part of a single application (DITRDCA 2023b). Concessional RAV entry approvals provide for:

- road vehicles that are older vehicles
- road vehicles that are to be modified by the holder of a registered automotive workshop (RAW) approval
- road vehicle that are a special purpose vehicle
- road vehicles that are to be imported as part of an individual's personal effects – i.e. road vehicles of migrants settling in Australia or returning expatriate Australian citizens
- imported trailers (up to 4 trailers per annum)
- case-by-case assessment of vehicles suitable for entry on the RAV.

Further details about vehicle type and concessional approval conditions are provided in the Explanatory Notes and Glossary.

Vehicle attributes recorded on the RAV

The RAV includes details about vehicle make, model, tare weight, gross vehicle mass, seating capacity and maximum engine power, among other vehicle characteristics.⁴ The RAV does not currently include information about vehicle motive power source (e.g. internal combustion engine, battery electric vehicle) or fuel type (e.g. petrol, diesel, etc.) of each vehicle.

³ Only up to 4 trailers can be included in one concessional RAV entry approval application.

⁴ Note that some fields are not required for all vehicle categories.

RAV entry statistics

The RAV includes road vehicles that undergo a second stage of manufacture (SSM) process prior to being provided for the first time. SSM approvals typically cover modifications to the original vehicle (e.g. bus fit-out, campervan fit-out, off-road suspensions, etc.). Both SSM entry pathway sub-categories require that the vehicle has previously been entered on the RAV, either via a type approval or a concessional RAV entry approval entry pathway. In reporting total vehicles entered on the RAV, BITRE counts vehicles that undergo a SSM only once (i.e. the original vehicle type approval and not subsequent second stage of manufacture approvals).

RAV coverage

The statistics presented in this publication have been compiled from all vehicles entered on the RAV up to the end of March 2024.

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

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

RAV entries and vehicle sales

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

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

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

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

Road vehicle classes and classifications

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

- Passenger vehicles (excluding omnibuses)
- Light commercial vehicles (LCVs)
- Medium goods vehicles (MGVs)
- Heavy goods vehicles (HGVs)
- Light buses
- Heavy buses
- Motorcycles
- Trailers⁵

These vehicle classes are based BITRE aggregation of the Australian Design Rules (ADR) vehicle categories and sub-categories. The ADR define the following five broad vehicle categories:

- Two-wheeled and three-wheeled vehicles

⁵ Separate estimates of non-motorised caravan and camper trailers are also derived, using known caravan/camper trailer makes and models.

- Passenger vehicles (excluding omnibuses)
- Omnibuses
- Goods vehicles
- Trailers

Within each of those categories are a varying number of sub-categories (see Glossary for details). The correspondence between the vehicle classes used in the report in this and ADR vehicle categories/sub-categories are shown in the table below.

The road vehicle classes reported here are similar, but not identical, to the vehicle (body) types reported in BITRE's *Road Vehicles Australia (RVA)* (BITRE 2023) annual census of registered vehicles in Australia. The correspondence between vehicle classes presented in this report and those used in BITRE (2023) are also shown in the table below.

Road vehicle type classification correspondence

Vehicle class	ADR vehicle category	ADR vehicle sub-category	RVA vehicle type
Passenger vehicles	Passenger vehicles (other than omnibuses)	Passenger car Forward-control passenger vehicle Off-road passenger vehicle	Passenger vehicles
Light commercial vehicles Medium goods vehicles Heavy goods vehicles	Goods vehicles	Light goods vehicles Medium goods vehicles Heavy goods vehicles	Light commercial vehicles Rigid and articulated trucks
Light buses Heavy buses	Omnibuses	Light omnibus Heavy omnibus	Light buses Heavy buses
Motorcycles	Two-wheeled and Three-wheeled vehicles	Moped - 2 Wheels Moped - 3 wheels Motor cycle Motor cycle and side car Motor tricycle	Motorcycles
Light trailers Medium trailers Heavy trailers	Trailers	Very light trailer Light trailer Medium trailer Heavy trailer	Trailers

Sources: Road Vehicle Standards Act 2018 and BITRE (2023).

Report structure

This report is structured as follows:

- Part 1 provides the following RAV entry statistics:
 - Total RAV entries by entry pathway and approval sub-category
 - Vehicle type approval RAV entries by vehicle type, make and model
 - Concessional-approval RAV entries by vehicle type and age profile, and SEV-approved RAV entries, by SEV category
 - SSM RAV entries by vehicle type, make and model
 - Separate enumeration of caravan and camper trailer approvals by major make and tare weight.
- Part 2 provides statistics on vehicle recall notices and the number of vehicles affected.

RAV entry statistics

RAV entry summary statistics

Table 1 Total RAV entries, by approval category and month, March 2024

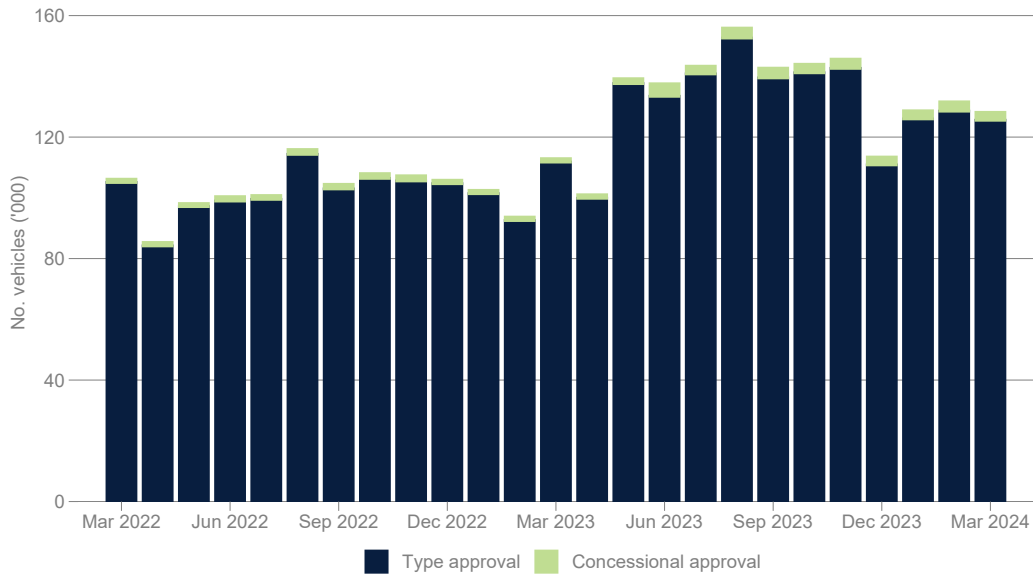
Month	Approval category		Total ^a
	Type approval	Concessional approval	
Mar 2024	125,542	2,603	128,145
Feb 2024	128,535	3,060	131,595
Jan 2024	125,988	2,666	128,654
Dec 2023	110,843	2,585	113,428
Nov 2023	142,620	3,036	145,656
Oct 2023	141,166	2,808	143,974
Sep 2023	139,483	3,211	142,694
Aug 2023	152,604	3,280	155,884
Jul 2023	140,798	2,540	143,338
Jun 2023	133,425	4,123	137,548
May 2023	137,608	1,616	139,224
Apr 2023	99,850	1,161	101,011
Mar 2023	111,768	1,129	112,897
Feb 2023	92,519	1,136	93,655
Jan 2023	101,366	1,095	102,461
Dec 2022	104,651	1,141	105,792
Nov 2022	105,559	1,700	107,259
Oct 2022	106,405	1,569	107,974
Sep 2022	102,931	1,512	104,443
Aug 2022	114,310	1,591	115,901
Jul 2022	99,494	1,263	100,757
Jun 2022	98,937	1,454	100,391
May 2022	97,115	1,005	98,120
Apr 2022	84,165	1,136	85,301
Mar 2022	105,047	1,088	106,135

a. Total excludes Second Stage of Manufacture vehicles.

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

Sources: RAV and BITRE estimates.

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



Note: Excludes second stage manufacture RAV entries.
Sources: RAV and BITRE estimates.

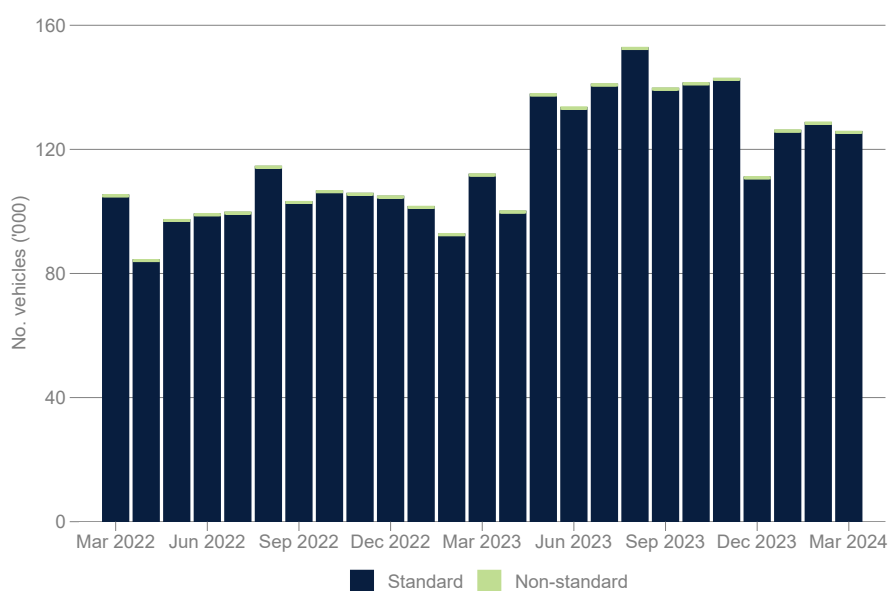
Table 2 Type approved RAV entries, by entry pathway and month, March 2024

Month	Type approvals			Total ^a
	Standard	Non-standard	SSM	
Mar 2024	125,468	74	4,686	125,542
Feb 2024	128,344	191	5,310	128,535
Jan 2024	125,847	141	4,295	125,988
Dec 2023	110,782	61	4,157	110,843
Nov 2023	142,564	56	4,687	142,620
Oct 2023	141,089	77	5,170	141,166
Sep 2023	139,393	90	6,781	139,483
Aug 2023	152,473	131	5,448	152,604
Jul 2023	140,721	77	4,162	140,798
Jun 2023	133,200	225	4,099	133,425
May 2023	137,505	103	4,229	137,608
Apr 2023	99,783	67	3,023	99,850
Mar 2023	111,699	69	4,091	111,768
Feb 2023	92,450	69	2,732	92,519
Jan 2023	101,290	76	2,445	101,366
Dec 2022	104,606	45	2,740	104,651
Nov 2022	105,532	27	3,401	105,559
Oct 2022	106,304	101	4,011	106,405
Sep 2022	102,857	74	3,335	102,931
Aug 2022	114,239	71	2,396	114,310
Jul 2022	99,433	61	2,077	99,494
Jun 2022	98,880	57	2,495	98,937
May 2022	97,051	64	2,354	97,115
Apr 2022	84,125	40	1,510	84,165
Mar 2022	104,987	60	2,186	105,047

a. Total excludes Second Stage of Manufacture vehicles.

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

Sources: RAV and BITRE estimates.

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

Note: Excludes second stage of manufacture RAV entries
Sources: RAV and BITRE estimates.

Table 3 Concessional RAV entry approval entries, by entry pathway and month, March 2024

Month	Concessional RAV entry approvals							Total ^a
	RAWS-SEV	RAWS-SSM	Trailer	Older vehicle	SPV	Personal	RAV suitable	
Mar 2024	1,742	0	339	300	88	88	46	2,603
Feb 2024	1,987	0	428	419	67	118	41	3,060
Jan 2024	1,660	0	387	470	24	102	23	2,666
Dec 2023	1,674	1	398	328	26	138	21	2,585
Nov 2023	1,924	2	462	464	4	143	39	3,036
Oct 2023	1,733	5	366	432	3	154	120	2,808
Sep 2023	1,543	0	513	750	52	136	217	3,211
Aug 2023	1,679	1	405	478	13	144	561	3,280
Jul 2023	994	10	153	432	426	114	421	2,540
Jun 2023	842	19	260	1,898	206	336	581	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	503	3	18	109	15	32	459	1,136
Jan 2023	404	31	13	122	4	47	505	1,095
Dec 2022	422	4	45	221	7	52	394	1,141
Nov 2022	394	2	64	433	27	110	672	1,700
Oct 2022	288	6	55	555	31	117	523	1,569
Sep 2022	195	1	71	618	28	139	461	1,512
Aug 2022	265	2	80	462	48	121	615	1,591
Jul 2022	161	0	94	508	17	111	372	1,263
Jun 2022	99	0	54	709	62	108	422	1,454
May 2022	66	0	35	478	36	100	290	1,005
Apr 2022	59	0	53	622	38	101	263	1,136
Mar 2022	27	0	49	508	39	83	382	1,088

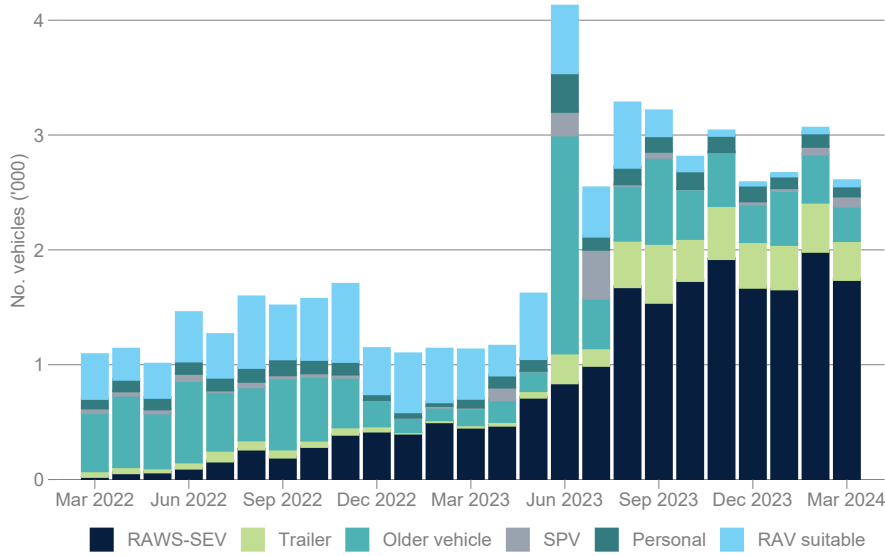
a. Total excludes Second Stage of Manufacture vehicles.

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

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

Sources: RAV and BITRE estimates.

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



Note: Excludes second stage of manufacture RAV entries
 Sources: RAV and BITRE estimates.

RAV entries by vehicle class

Table 4 Type approved RAV entries, motor vehicles, by vehicle type and month, March 2024

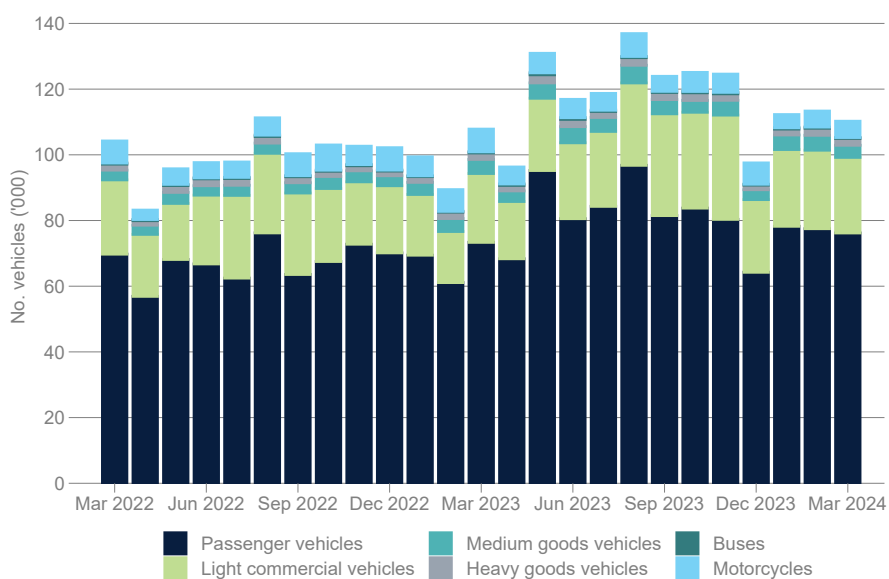
Month	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Motorcycles	Total
Mar 2024	76,206	23,014	3,685	2,084	278	4,959	110,226
Feb 2024	77,507	23,899	4,533	2,149	359	4,878	113,325
Jan 2024	78,241	23,372	4,422	1,801	394	4,022	112,252
Dec 2023	64,241	22,129	3,000	1,405	273	6,486	97,534
Nov 2023	80,348	31,744	4,503	1,974	451	5,548	124,568
Oct 2023	83,776	29,181	3,581	2,343	413	5,796	125,090
Sep 2023	81,497	30,989	4,335	2,155	353	4,569	123,898
Aug 2023	96,801	25,084	5,378	2,323	362	6,956	136,904
Jul 2023	84,308	22,822	4,239	1,828	379	5,125	118,701
Jun 2023	80,556	23,105	4,917	2,202	523	5,582	116,885
May 2023	95,220	22,000	4,676	2,465	601	5,939	130,901
Apr 2023	68,353	17,440	3,216	1,669	442	5,176	96,296
Mar 2023	73,349	20,966	4,285	1,959	359	6,910	107,828
Feb 2023	61,103	15,550	3,947	1,944	251	6,608	89,403
Jan 2023	69,444	18,486	3,677	1,752	261	5,772	99,392
Dec 2022	70,144	20,442	3,040	1,420	300	6,826	102,172
Nov 2022	72,786	18,993	3,347	1,544	350	5,600	102,620
Oct 2022	67,521	22,227	3,660	1,580	331	7,672	102,991
Sep 2022	63,568	24,803	3,127	1,823	328	6,695	100,344
Aug 2022	76,226	24,236	3,100	2,010	413	5,276	111,261
Jul 2022	62,470	25,180	3,076	2,059	349	4,678	97,812
Jun 2022	66,777	20,945	2,865	2,093	297	4,651	97,628
May 2022	68,141	17,064	3,350	2,085	366	4,737	95,743
Apr 2022	56,913	18,867	2,798	1,366	357	2,868	83,169
Mar 2022	69,757	22,611	2,967	1,827	338	6,715	104,215

a. Total excludes Second Stage of Manufacture vehicles.

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

Sources: RAV and BITRE estimates.

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

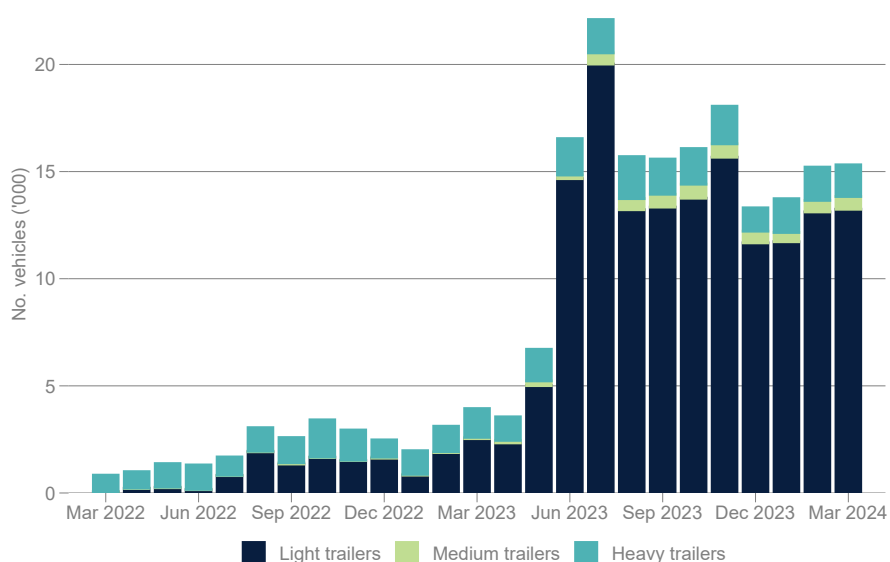


Sources: RAV and BITRE estimates.

Table 5 Type approved RAV entries, trailers, by vehicle type and month, March 2024

Month	Light trailers	Medium trailers	Heavy trailers	Total
Mar 2024	13,242	595	1,479	15,316
Feb 2024	13,117	539	1,554	15,210
Jan 2024	11,726	432	1,578	13,736
Dec 2023	11,673	546	1,090	13,309
Nov 2023	15,671	625	1,756	18,052
Oct 2023	13,758	654	1,664	16,076
Sep 2023	13,342	600	1,643	15,585
Aug 2023	13,220	518	1,962	15,700
Jul 2023	20,018	523	1,556	22,097
Jun 2023	14,670	169	1,701	16,540
May 2023	5,011	220	1,476	6,707
Apr 2023	2,337	118	1,099	3,554
Mar 2023	2,536	61	1,343	3,940
Feb 2023	1,887	41	1,188	3,116
Jan 2023	833	38	1,103	1,974
Dec 2022	1,625	50	804	2,479
Nov 2022	1,512	18	1,409	2,939
Oct 2022	1,666	11	1,737	3,414
Sep 2022	1,351	61	1,175	2,587
Aug 2022	1,923	26	1,100	3,049
Jul 2022	811	17	854	1,682
Jun 2022	155	15	1,139	1,309
May 2022	247	27	1,098	1,372
Apr 2022	215	13	768	996
Mar 2022	52	12	768	832

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

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

Sources: RAV and BITRE estimates.

RAV entries by vehicle class and make

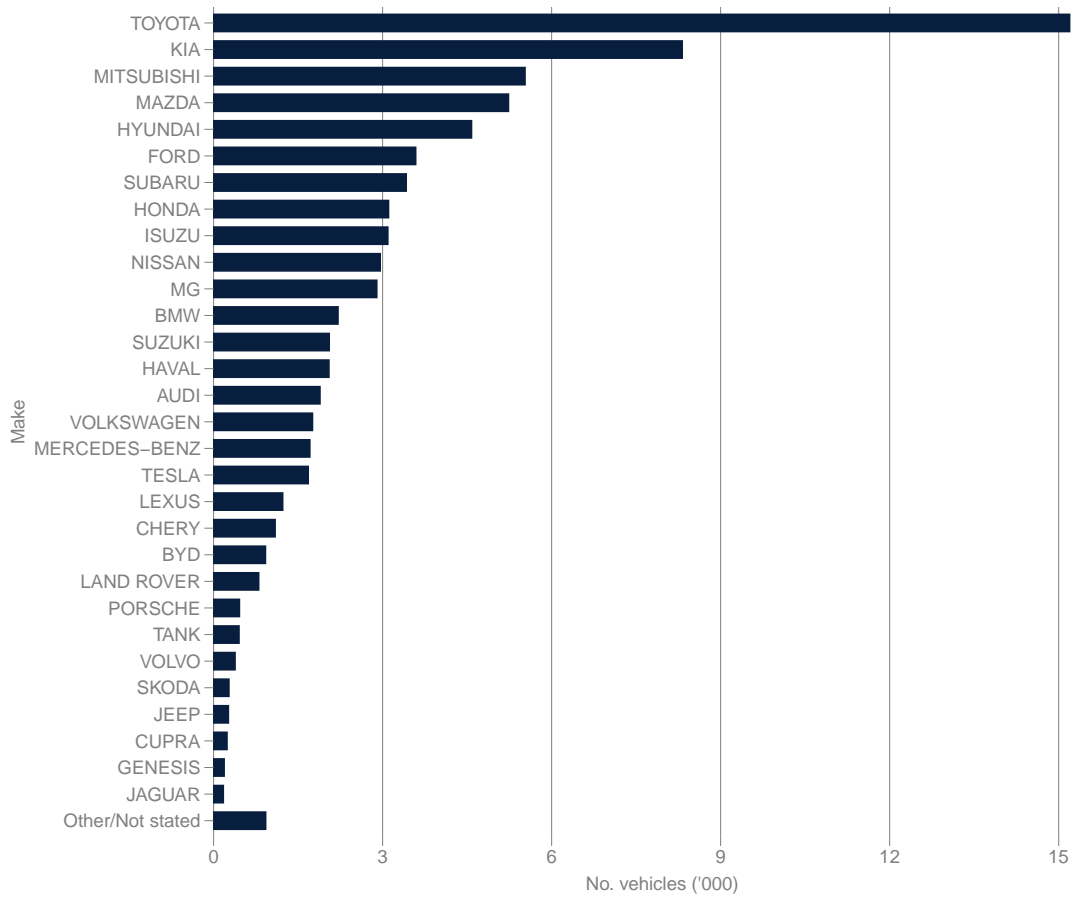
Table 6 Type approval RAV entries, passenger vehicles, top 30 makes, March 2024

Rank	Make	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
1	Toyota	15,183	13,087	7,209	41,364	161,294
2	Kia	8,307	7,746	6,831	24,153	81,490
3	Mitsubishi	5,517	5,632	3,434	17,009	55,192
4	Mazda	5,223	8,986	5,675	18,189	84,025
5	Hyundai	4,567	4,024	5,947	16,200	76,459
6	Ford	3,576	2,199	1,308	7,332	24,533
7	Subaru	3,408	3,542	3,241	10,486	46,657
8	Honda	3,094	1,997	1,903	7,475	20,164
9	Isuzu	3,081	2,116	1,241	7,373	18,260
10	Nissan	2,946	2,886	2,744	10,204	42,977
11	MG	2,885	3,580	4,441	10,382	59,937
12	BMW	2,197	1,827	2,315	5,369	28,344
13	Suzuki	2,041	2,069	1,510	5,999	18,715
14	Haval	2,036	2,724	2,684	6,490	25,674
15	Audi	1,877	1,826	1,362	4,731	18,353
16	Volkswagen	1,744	1,587	2,102	5,449	32,524
17	Mercedes-Benz	1,697	1,202	3,002	4,225	22,070
18	Tesla	1,668	4,981	5,860	11,540	47,527
19	Lexus	1,215	993	1,609	2,966	16,619
20	Chery	1,081	649	1,188	2,678	10,143
21	BYD	909	852	2,210	3,520	16,494
22	Land Rover	789	335	954	1,688	9,496
23	Porsche	447	550	274	1,755	6,760
24	Tank	440	454	0	1,466	4,100
25	Volvo	370	413	1,400	1,143	10,366
26	Skoda	261	563	327	1,389	7,877
27	Jeep	251	106	478	438	2,956
28	Cupra	227	221	419	606	3,654
29	Genesis	176	47	208	275	2,057
30	Jaguar	161	59	76	274	864
31	Other/Not stated	913	2,451	1,955	5,678	28,499
Total	-	78,287	79,704	73,907	237,846	984,080

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

Sources: RAV and BITRE estimates.

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



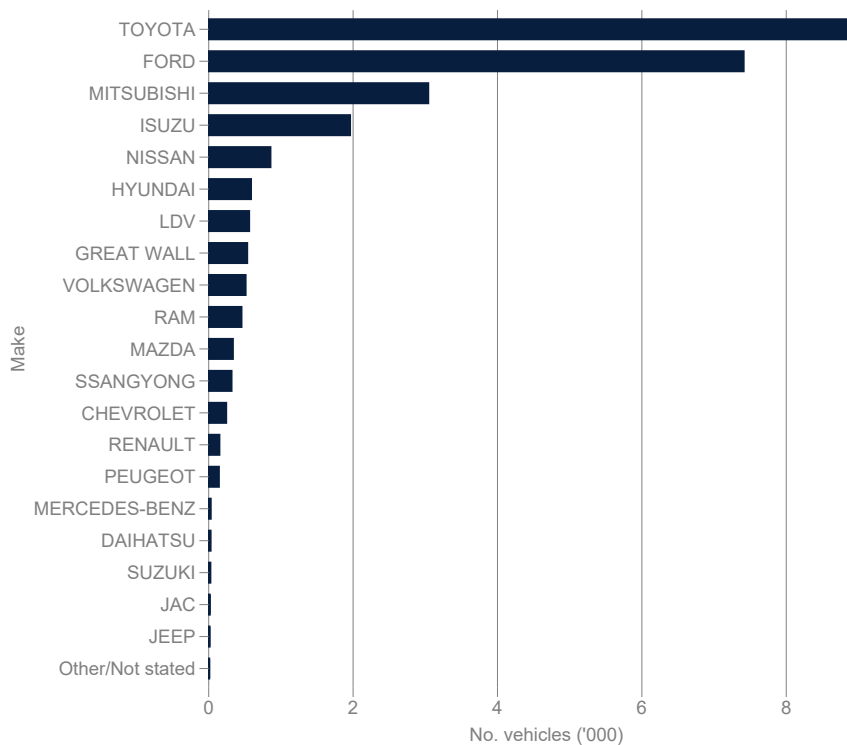
Sources: RAV and BITRE estimates.

Table 7 Type approval RAV entries, light commercial vehicles, top 20 makes, March 2024

Rank	Make	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
1	Toyota	8,915	8,807	8,299	26,025	109,271
2	Ford	7,404	7,409	3,563	21,903	80,601
3	Mitsubishi	3,035	1,078	1,788	4,820	20,871
4	Isuzu	1,952	2,885	2,404	8,678	38,900
5	Nissan	849	1,455	1,782	2,917	14,212
6	Hyundai	580	248	430	1,344	3,011
7	LDV	554	718	939	1,923	12,381
8	Great Wall	527	795	825	1,937	8,462
9	Volkswagen	505	1,022	71	2,965	12,337
10	RAM	448	523	891	1,299	5,191
11	Mazda	329	1,184	2,240	3,171	19,482
12	Ssangyong	310	707	248	1,500	4,208
13	Chevrolet	236	249	141	633	2,906
14	Renault	142	319	211	467	1,653
15	Peugeot	135	30	176	317	1,371
16	Mercedes-Benz	22	36	74	85	707
17	Daihatsu	20	28	0	83	222
18	Suzuki	17	18	6	44	177
19	Jac	9	0	0	9	9
20	Jeep	6	16	37	31	312
21	Other/Not stated	1	4	1	7	39
Total	-	25,996	27,531	24,126	80,158	336,323

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

Sources: RAV and BITRE estimates.

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

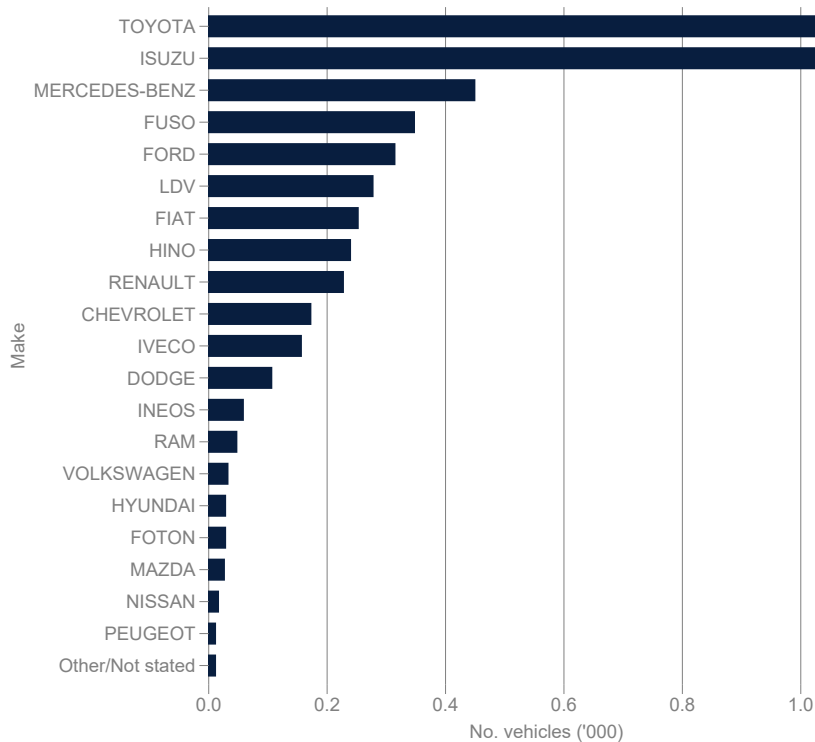
Sources: RAV and BITRE estimates.

Table 8 Type approval RAV entries, medium goods vehicles, top 20 makes, March 2024

Rank	Make	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
1	Toyota	1,087	1,354	1,066	3,898	19,085
2	Isuzu	1,022	904	1,060	2,779	9,942
3	Mercedes-Benz	448	531	385	1,579	5,152
4	Fuso	346	229	462	822	3,250
5	Ford	313	592	158	1,139	2,885
6	LDV	276	404	412	883	4,620
7	Fiat	251	401	435	892	3,109
8	Hino	238	207	403	977	3,850
9	Renault	226	276	20	699	2,515
10	Chevrolet	171	169	132	451	1,461
11	IVECO	155	241	180	589	2,241
12	Dodge	105	129	120	302	1,394
13	Ineos	57	133	0	269	1,157
14	RAM	46	47	62	145	668
15	Volkswagen	31	31	85	213	1,012
16	Foton	27	47	6	84	218
17	Hyundai	27	48	35	93	317
18	Mazda	25	24	13	66	264
19	Nissan	15	22	13	55	319
20	Peugeot	10	12	0	33	42
21	Other/Not stated	10	23	8	51	172
Total	-	4,886	5,824	5,055	16,019	63,673

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

Sources: RAV and BITRE estimates.

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

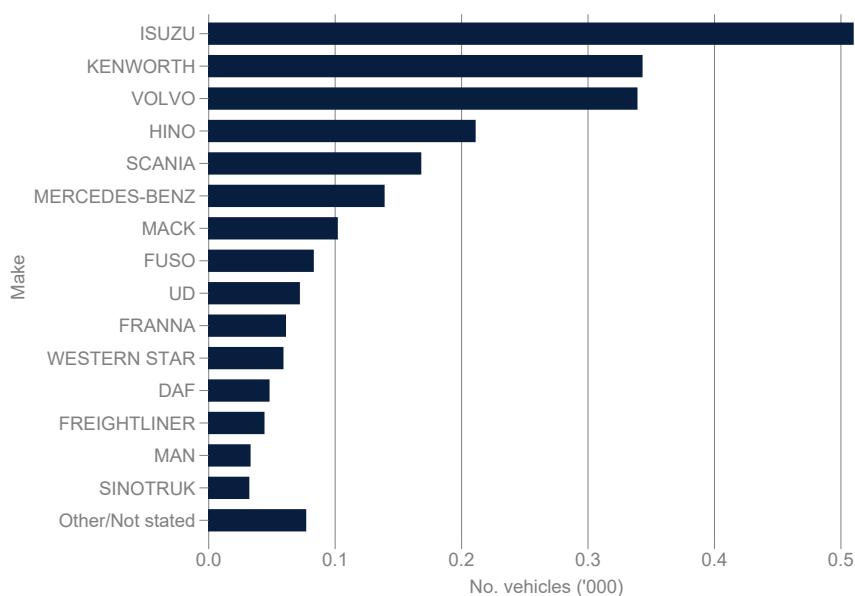
Sources: RAV and BITRE estimates.

Table 9 Type approval RAV entries, heavy goods vehicles, top 15 makes, March 2024

Rank	Make	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
1	Isuzu	509	405	528	1,230	4,462
2	Kenworth	342	401	397	971	4,353
3	Volvo	338	310	245	895	3,973
4	Hino	210	155	185	557	2,031
5	Scania	167	114	128	364	1,486
6	Mercedes-Benz	138	125	101	424	1,461
7	Mack	101	117	93	310	1,236
8	Fuso	82	113	104	360	1,337
9	UD	71	89	51	275	1,223
10	Franna	60	31	0	99	596
11	Western Star	58	29	3	138	305
12	DAF	47	129	66	259	1,183
13	Freightliner	43	34	30	120	420
14	MAN	32	64	23	152	630
15	Sinotruk	31	92	0	154	477
16	Other/Not stated	76	155	64	355	1,228
Total	-	2,305	2,363	2,018	6,663	26,401

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

Sources: RAV and BITRE estimates.

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

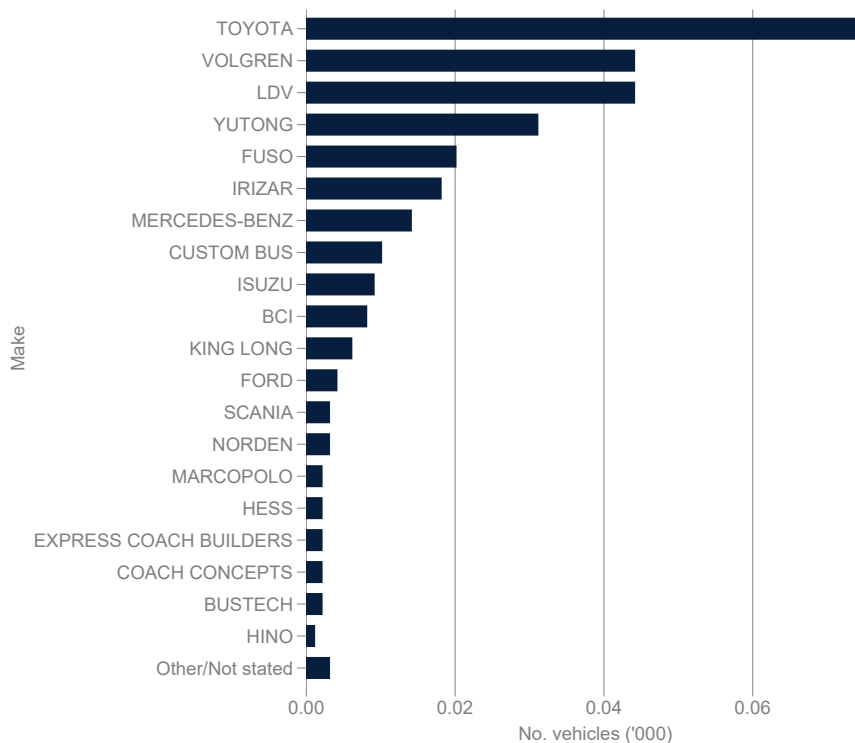
Sources: RAV and BITRE estimates.

Table 10 Type approval RAV entries, light and heavy buses, top 20 makes, March 2024

Rank	Make	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
1	Toyota	74	135	224	352	2,752
2	LDV	44	38	1	112	390
3	Volgren	44	45	36	109	400
4	Yutong	31	15	19	100	251
5	Fuso	20	35	17	82	325
6	Irizar	18	22	17	69	195
7	Mercedes-Benz	14	12	10	34	79
8	Custom Bus	10	8	16	21	116
9	Isuzu	9	13	6	27	72
10	BCI	8	14	2	41	132
11	King Long	6	0	1	39	112
12	Ford	4	10	0	19	19
13	Norden	3	0	0	3	16
14	Scania	3	5	3	25	46
15	Bustech	2	0	9	5	28
16	Coach Concepts	2	3	2	7	21
17	Express Coach Builders	2	2	3	7	36
18	Hess	2	4	0	10	10
19	Marcopolo	2	3	0	6	29
20	Hino	1	1	0	3	10
21	Other/Not stated	3	24	8	39	112
Total	-	302	389	374	1,110	5,151

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

Sources: RAV and BITRE estimates.

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

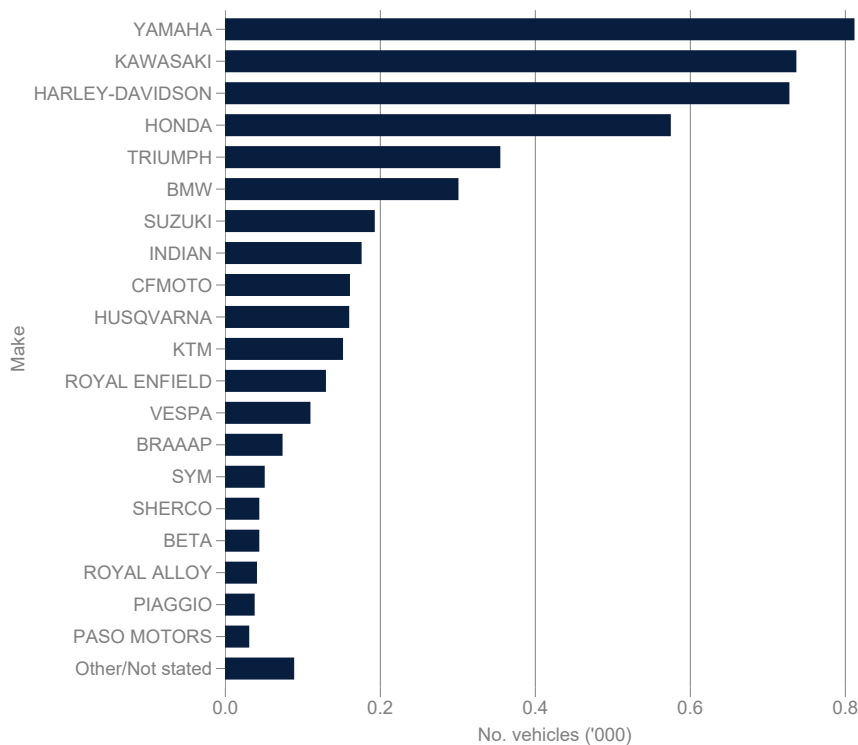
Sources: RAV and BITRE estimates.

Table 11 Type approval RAV entries, motorcycles, top 20 makes, March 2024

Rank	Make	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
1	Yamaha	810	504	1,032	1,985	9,875
2	Kawasaki	735	416	386	1,774	5,501
3	Harley-Davidson	726	297	1,249	1,300	5,025
4	Honda	573	1,423	729	2,549	10,798
5	Triumph	353	289	259	1,050	2,212
6	BMW	299	322	241	946	3,204
7	Suzuki	191	167	221	675	3,465
8	Indian	174	11	210	217	1,585
9	CFMoto	159	341	252	688	1,869
10	Husqvarna	158	0	235	159	2,505
11	KTM	150	47	759	198	7,048
12	Royal Enfield	128	108	240	358	1,538
13	Vespa	108	44	0	166	687
14	Braap	72	0	0	72	351
15	Sym	49	4	96	142	344
16	Beta	42	84	25	168	757
17	Sherco	42	33	84	75	304
18	Royal Alloy	39	0	0	39	137
19	Piaggio	36	0	36	36	136
20	Paso Motors	29	0	0	29	29
21	Other/Not stated	87	788	871	1,234	7,669
Total	-	4,960	4,878	6,925	13,860	65,039

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

Sources: RAV and BITRE estimates.

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

Sources: RAV and BITRE estimates.

RAV entries by vehicle class, make and model

Table 12 Type approval RAV entries, passenger vehicles, top 25 makes and models, March 2024

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Toyota	RAV4	6,316	3,693	2,132	12,038	36,115
	COROLLA	3,191	3,256	1,076	9,768	35,234
	CAMRY	1,946	1,718	668	5,251	14,985
	YARIS	829	516	369	2,478	9,202
	LANDCRUISER	781	1,519	710	4,072	16,033
	Other/Not stated	2,120	2,385	2,254	7,757	49,725
	Total	15,183	13,087	7,209	41,364	161,294
Kia	SPORTAGE	1,940	2,283	1,022	6,519	19,000
	CERATO	1,905	1,254	541	4,350	9,751
	SORENTO	1,570	907	950	4,072	9,091
	SELTOS	801	1,024	1,295	2,787	10,721
	CARNIVAL	634	635	727	1,989	9,819
	YB	496	532	927	1,855	9,367
	PICANTO	439	541	745	1,164	7,281
	Other/Not stated	522	570	624	1,417	6,460
Total	8,307	7,746	6,831	24,153	81,490	
Mitsubishi	OUTLANDER	2,234	2,687	1,757	7,556	27,358
	PAJERO	1,144	396	432	2,726	7,674
	ASX	1,130	1,150	504	3,068	10,471
	ECLIPSE	981	1,374	730	3,577	9,426
	Other/Not stated	28	25	11	82	263
	Total	5,517	5,632	3,434	17,009	55,192
Mazda	CX-3	1,369	1,874	885	4,217	16,860
	CX-30	1,310	986	1,291	2,794	13,763
	CX-5	1,121	3,612	1,359	5,962	23,984
	MAZDA 3	712	1,501	592	2,790	10,354
	MAZDA 2	495	469	277	1,238	4,990
	Other/Not stated	216	544	1,271	1,188	14,074
Total	5,223	8,986	5,675	18,189	84,025	
Hyundai	KONA	1,691	962	680	4,282	14,171
	TUCSON	1,194	825	1,802	4,175	22,514
	I30	686	1,207	1,929	3,937	20,115
	VENUE	345	492	459	1,557	6,221
	Other/Not stated	651	538	1,077	2,249	13,438
	Total	4,567	4,024	5,947	16,200	76,459
Ford	EVEREST	3,467	1,838	804	6,469	19,149
	Other/Not stated	109	361	504	863	5,384
	Total	3,576	2,199	1,308	7,332	24,533
Subaru	FORESTER	1,229	1,258	1,423	3,682	15,486
	OUTBACK	966	840	885	2,777	12,953
	CROSSTREK	848	974	0	2,670	12,570
	Other/Not stated	365	470	933	1,357	5,648
	Total	3,408	3,542	3,241	10,486	46,657
Honda	ZR-V	1,119	566	0	2,322	5,707
	CR-V	881	703	1,475	2,480	7,704
	HR-V	740	313	182	1,617	3,629
	Other/Not stated	354	415	246	1,056	3,124
	Total	3,094	1,997	1,903	7,475	20,164
Isuzu	MU-X	3,081	2,116	1,241	7,373	18,260
	Total	3,081	2,116	1,241	7,373	18,260
Nissan	PATROL	1,315	939	534	3,463	11,591
	X-TRAIL	918	1,050	1,120	4,120	17,617
	QASHQAI	477	421	483	1,372	7,492
	Other/Not stated	236	476	607	1,249	6,277
	Total	2,946	2,886	2,744	10,204	42,977

(continued)

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
MG	ZS	1,671	1,564	1,679	4,811	31,434
	MG3	553	1,042	1,500	2,604	13,735
	MG4	270	352	0	1,158	5,825
	HS Vibe	209	274	1,262	818	5,050
	MG5	182	348	0	991	3,893
	Total	2,885	3,580	4,441	10,382	59,937
BMW	X SERIES	606	578	1,331	1,641	10,457
	3 SERIES	403	132	179	699	3,638
	X1	336	438	208	974	5,915
	4 SERIES	329	409	156	848	2,780
	2 SERIES	250	122	148	522	2,565
	Other/Not stated	273	148	293	685	2,989
Total	2,197	1,827	2,315	5,369	28,344	
Suzuki	SWIFT	395	672	802	1,815	7,168
	JIMNY	317	156	492	731	4,025
	VITARA	225	120	17	578	2,332
	SX4	217	69	3	317	788
	IGNIS	217	123	176	574	1,830
	Other/Not stated	670	929	20	1,984	2,572
Total	2,041	2,069	1,510	5,999	18,715	
Haval	H6	1,214	1,342	1,560	3,233	13,226
	JOLION	822	1,382	1,124	3,257	12,447
	Other/Not stated	0	0	0	0	1
	Total	2,036	2,724	2,684	6,490	25,674
Audi	Q3	790	676	209	1,810	4,913
	RS3	372	399	113	991	3,617
	Q5	271	177	790	640	3,007
	Other/Not stated	444	574	250	1,290	6,816
	Total	1,877	1,826	1,362	4,731	18,353
Volkswagen	T-ROC	752	632	585	1,931	9,278
	TIGUAN	748	673	1,003	2,662	12,447
	Other/Not stated	244	282	514	856	10,799
	Total	1,744	1,587	2,102	5,449	32,524
Mercedes-Benz	X254	396	200	1	864	3,377
	H247	226	79	455	377	1,773
	177	196	78	413	420	2,041
	206	189	152	185	517	1,977
	V167	133	161	249	371	2,574
	H243	97	66	101	239	1,423
	Other/Not stated	460	466	1,598	1,437	8,905
Total	1,697	1,202	3,002	4,225	22,070	
Tesla	MODEL 3	895	2,123	2,799	4,805	14,477
	MODEL Y	773	2,858	3,061	6,735	33,050
	Total	1,668	4,981	5,860	11,540	47,527
Lexus	NX AZ2	484	419	782	1,165	7,271
	RX AL3	319	143	267	641	3,098
	ES XZ1L	109	42	249	211	1,490
	Other/Not stated	303	389	311	949	4,760
	Total	1,215	993	1,609	2,966	16,619
Chery	TIGGO	611	135	0	1,321	3,315
	T34	450	514	1,188	1,337	6,808
	Other/Not stated	20	0	0	20	20
	Total	1,081	649	1,188	2,678	10,143
BYD	SEAL	909	436	0	2,351	3,358
	Other/Not stated	0	416	2,210	1,169	13,136
	Total	909	852	2,210	3,520	16,494

(continued)

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Land Rover	RANGE ROVER	484	144	536	1,022	4,570
	DEFENDER	198	136	323	424	3,999
	DISCOVERY	107	55	95	242	927
	Total	789	335	954	1,688	9,496
Porsche	MACAN	179	198	156	748	3,112
	CAYENNE	130	156	65	451	1,727
	911	73	111	11	294	802
	982	46	36	11	125	464
	Other/Not stated	19	49	31	137	655
	Total	447	550	274	1,755	6,760
Tank	300	287	443	0	1,302	3,935
	Other/Not stated	153	11	0	164	165
	Total	440	454	0	1,466	4,100
Volvo	X SERIES	172	249	879	645	6,496
	U SERIES	122	110	340	326	2,165
	XC90	54	43	152	134	1,306
	Z SERIES	20	11	29	36	397
	Other/Not stated	2	0	0	2	2
	Total	370	413	1,400	1,143	10,366
All other makes	Total	1,989	3,447	3,463	8,660	45,907
Total	Total	78,287	79,704	73,907	237,846	984,080

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

Sources: RAV and BITRE estimates.

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Toyota	HILUX	8,504	7,151	7,875	22,807	98,474
	Other/Not stated	411	1,656	424	3,218	10,797
	Total	8,915	8,807	8,299	26,025	109,271
Ford	RANGER	6,728	6,481	3,210	19,732	75,335
	Other/Not stated	676	928	353	2,171	5,266
	Total	7,404	7,409	3,563	21,903	80,601
Mitsubishi	Other/Not stated	3,035	1,078	1,788	4,820	20,871
	Total	3,035	1,078	1,788	4,820	20,871
Isuzu	D-MAX	1,952	2,885	2,404	8,678	38,900
	Total	1,952	2,885	2,404	8,678	38,900
Nissan	NAVARA	847	1,453	1,782	2,911	14,196
	Other/Not stated	2	2	0	6	16
	Total	849	1,455	1,782	2,917	14,212
Hyundai	STARIA	580	248	430	1,344	3,011
	Total	580	248	430	1,344	3,011
LDV	T60	302	511	584	1,258	7,739
	G10	225	201	329	598	4,073
	Other/Not stated	27	6	26	67	569
	Total	554	718	939	1,923	12,381
Great Wall	CANNON	523	792	825	1,930	8,455
	Other/Not stated	4	3	0	7	7
	Total	527	795	825	1,937	8,462
Volkswagen	TRANSPORTER	40	78	53	182	1,076
	CADDY	30	38	12	137	738
	Other/Not stated	435	906	6	2,646	10,523
	Total	505	1,022	71	2,965	12,337
RAM	DT	448	523	498	1,299	3,647
	Other/Not stated	0	0	393	0	1,544
	Total	448	523	891	1,299	5,191
Mazda	BT-50	329	1,184	2,240	3,171	19,482
	Total	329	1,184	2,240	3,171	19,482
Ssangyong	MUSSO	310	707	248	1,500	4,208
	Total	310	707	248	1,500	4,208
Chevrolet	T1XCF_G	236	249	141	633	2,906
	Total	236	249	141	633	2,906
Renault	TRAFIC	84	305	211	392	1,570
	Other/Not stated	58	14	0	75	83
	Total	142	319	211	467	1,653
Peugeot	PARTNER	70	12	73	165	826
	EXPERT	65	18	99	152	489
	Other/Not stated	0	0	4	0	56
	Total	135	30	176	317	1,371
Mercedes-Benz	VITO	21	35	47	79	675
	Other/Not stated	1	1	27	6	32
	Total	22	36	74	85	707
Daihatsu	HIJET	20	28	0	83	222
	Total	20	28	0	83	222
Suzuki	Other/Not stated	17	18	6	44	177
	Total	17	18	6	44	177
Jac	Other/Not stated	9	0	0	9	9
	Total	9	0	0	9	9
Jeep	GLADIATOR	6	16	37	31	312
	Total	6	16	37	31	312
All other makes	Total	1	4	1	7	39

(continued)

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Total	Total	25,996	27,531	24,126	80,158	336,323

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

Sources: RAV and BITRE estimates.

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Toyota	LANDCRUISER	985	1,185	998	3,514	17,754
	HILUX	74	109	61	243	996
	Other/Not stated	28	60	7	141	335
	Total	1,087	1,354	1,066	3,898	19,085
Isuzu	NPR	419	332	340	1,022	3,603
	NLR	193	136	168	508	1,729
	FRR	147	164	169	448	1,307
	D-MAX	83	105	44	257	818
	NQR	79	52	109	222	727
	NNR	58	65	186	202	1,275
	Other/Not stated	43	50	44	120	483
	Total	1,022	904	1,060	2,779	9,942
Mercedes-Benz	SPRINTER	441	528	384	1,567	5,132
	Other/Not stated	7	3	1	12	20
	Total	448	531	385	1,579	5,152
Fuso	CANTER	299	181	375	653	2,651
	FIGHTER	41	44	87	151	475
	Other/Not stated	6	4	0	18	124
	Total	346	229	462	822	3,250
Ford	RANGER	204	224	99	596	1,747
	TRANSIT	85	345	59	475	977
	Other/Not stated	24	23	0	68	161
	Total	313	592	158	1,139	2,885
LDV	DELIVER 9	255	349	412	799	4,532
	Other/Not stated	21	55	0	84	88
	Total	276	404	412	883	4,620
Fiat	DUCATO	250	400	435	890	3,107
	Other/Not stated	1	1	0	2	2
	Total	251	401	435	892	3,109
Hino	300	201	142	314	819	3,034
	FD SERIES	21	34	49	76	415
	FC SERIES	13	15	26	57	335
	Other/Not stated	3	16	14	25	66
	Total	238	207	403	977	3,850
Renault	MASTER	226	276	20	698	2,510
	Other/Not stated	0	0	0	1	5
	Total	226	276	20	699	2,515
Chevrolet	T1XCH1	115	125	91	316	1,012
	T1XCH2	37	37	41	102	351
	Other/Not stated	19	7	0	33	98
	Total	171	169	132	451	1,461
IVECO	DAILY	105	208	164	483	2,019
	Other/Not stated	50	33	16	106	222
	Total	155	241	180	589	2,241
Dodge	RAM D1	88	129	106	284	1,274
	RAM DX	17	0	13	18	111
	Other/Not stated	0	0	1	0	9
	Total	105	129	120	302	1,394
Ineos	IGXX	57	133	0	269	1,157
	Total	57	133	0	269	1,157
RAM	1500 TRX	23	15	46	73	383
	1500	3	1	11	6	101
	Other/Not stated	20	31	5	66	184
	Total	46	47	62	145	668

(continued)

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Volkswagen	CRAFTER	29	30	84	210	994
	AKUNA	2	1	0	3	13
	Other/Not stated	0	0	1	0	5
	Total	31	31	85	213	1,012
Hyundai	QT-1	15	4	12	26	115
	QT-2	7	13	16	22	94
	QT-3	4	6	7	17	68
	Other/Not stated	1	25	0	28	40
	Total	27	48	35	93	317
Foton	AUMARK	13	0	0	17	65
	AUMAN	10	5	0	17	34
	IBLUE	4	41	6	49	108
	Other/Not stated	0	1	0	1	11
	Total	27	47	6	84	218
Mazda	BT-50	25	24	13	66	264
	Total	25	24	13	66	264
Nissan	PATROL	15	22	13	55	319
	Total	15	22	13	55	319
Peugeot	BOXER	10	12	0	33	42
	Total	10	12	0	33	42
All other makes	Total	10	23	8	51	172
Total	Total	4,886	5,824	5,055	16,019	63,673

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

Sources: RAV and BITRE estimates.

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Isuzu	FSR	117	123	152	348	1,132
	FVZ	92	66	92	200	800
	FYH	90	57	97	202	702
	FXZ	79	41	61	154	478
	FVR	61	45	41	131	363
	FVM	48	47	35	117	562
	Other/Not stated	22	26	50	78	425
	Total	509	405	528	1,230	4,462
Kenworth	T610	86	94	70	232	1,010
	T909	67	62	72	171	716
	K220	53	63	1	136	277
	T659	34	36	33	83	359
	W900	27	31	32	79	345
	K200	22	34	103	86	845
	T360	18	24	31	55	293
	Other/Not stated	35	57	55	129	508
	Total	342	401	397	971	4,353
Volvo	FH SERIES	138	142	122	353	1,778
	FM SERIES	128	100	68	292	1,346
	FE SERIES	37	14	28	92	439
	Other/Not stated	35	54	27	158	410
	Total	338	310	245	895	3,973
Hino	FG SERIES	38	24	16	87	258
	FM SERIES	36	23	29	110	260
	FE SERIES	35	36	57	107	660
	FS SERIES	22	16	5	65	152
	GH SERIES	21	10	33	45	193
	FL SERIES	17	6	19	25	129
	GT SERIES	12	14	13	32	127
	FG	12	9	4	26	88
	Other/Not stated	17	17	9	60	164
	Total	210	155	185	557	2,031
Scania	R SERIES	78	43	57	175	644
	G SERIES	69	36	47	110	475
	P SERIES	20	25	22	68	342
	Other/Not stated	0	10	2	11	25
	Total	167	114	128	364	1,486
Mercedes-Benz	96X	124	111	90	383	1,338
	ECONIC	11	1	8	16	64
	Other/Not stated	3	13	3	25	59
	Total	138	125	101	424	1,461
Mack	SUPERLINER	35	41	24	115	445
	ANTHEM	32	37	11	100	333
	TRIDENT	23	28	23	64	276
	METROLINER	10	11	35	29	179
	Other/Not stated	1	0	0	2	3
	Total	101	117	93	310	1,236
Fuso	FIGHTER	42	39	48	150	501
	FV SERIES	29	58	50	158	677
	FS SERIES	10	13	6	44	143
	Other/Not stated	1	3	0	8	16
	Total	82	113	104	360	1,337
UD	GWB	21	31	19	87	476
	CGB	19	19	8	59	249
	CWB	14	31	7	64	211
	CDB	12	4	13	27	95
	Other/Not stated	5	4	4	38	192
	Total	71	89	51	275	1,223

(continued)

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Franna	Other/Not stated	60	31	0	99	596
	Total	60	31	0	99	596
Western Star	X-SERIES	51	27	3	127	287
	Other/Not stated	7	2	0	11	18
	Total	58	29	3	138	305
DAF	CF17	21	95	61	168	887
	XF17	10	19	5	40	182
	Other/Not stated	16	15	0	51	114
	Total	47	129	66	259	1,183
Freightliner	CASCADIA	43	34	30	120	420
	Total	43	34	30	120	420
MAN	TGA	19	39	21	104	456
	TGM	4	10	2	21	138
	TG4	4	12	0	16	17
	Other/Not stated	5	3	0	11	19
	Total	32	64	23	152	630
Sinotruk	C7H	20	34	0	54	170
	T5G	11	48	0	90	294
	Other/Not stated	0	10	0	10	13
	Total	31	92	0	154	477
All other makes	Total	76	155	64	355	1,228
Total	Total	2,305	2,363	2,018	6,663	26,401

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

Sources: RAV and BITRE estimates.

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Toyota	COMMUTER	56	122	198	309	2,456
	COASTER	18	13	26	43	296
	Total	74	135	224	352	2,752
LDV	DELIVER 9	44	38	1	112	390
	Total	44	38	1	112	390
Volgren	2 AXLE OMNIBUS	42	44	36	105	384
	Other/Not stated	2	1	0	4	16
	Total	44	45	36	109	400
Yutong	ZK6137	16	4	0	31	48
	ZK6772D	12	5	7	41	124
	ZK6129HCA	3	3	5	18	49
	Other/Not stated	0	3	7	10	30
	Total	31	15	19	100	251
Fuso	ROSA	20	35	17	82	325
	Total	20	35	17	82	325
Irizar	COACH	18	22	17	69	195
	Total	18	22	17	69	195
Mercedes-Benz	SPRINTER	13	11	9	32	73
	OMNIBUS H&R	1	0	1	1	3
	Other/Not stated	0	1	0	1	3
	Total	14	12	10	34	79
Custom Bus	ELEMENT	6	5	9	11	61
	METRO	4	2	4	9	47
	Other/Not stated	0	1	3	1	8
	Total	10	8	16	21	116
Isuzu	NQR	5	6	5	15	21
	NLS	2	1	0	3	8
	FTS800	2	0	0	3	7
	Other/Not stated	0	6	1	6	36
	Total	9	13	6	27	72
BCI	PK6127A	6	7	2	21	72
	PK6850ARI	1	6	0	9	22
	Other/Not stated	1	1	0	11	38
	Total	8	14	2	41	132
King Long	6120BS	5	0	1	18	48
	6911AY	1	0	0	21	62
	Other/Not stated	0	0	0	0	2
	Total	6	0	1	39	112
Ford	TRANSIT	4	10	0	19	19
	Total	4	10	0	19	19
Scania	TOURING	3	5	3	15	31
	Other/Not stated	0	0	0	10	15
	Total	3	5	3	25	46
Norden	COMMUTER	3	0	0	3	16
	Total	3	0	0	3	16
Coach Concepts	EXPLORER	2	3	2	7	21
	Total	2	3	2	7	21
Bustech	VST	2	0	7	5	20
	Other/Not stated	0	0	2	0	8
	Total	2	0	9	5	28
Marcopolo	AUDACE	2	3	0	6	29
	Total	2	3	0	6	29
Express Coach Builders	OMNIBUS	2	2	3	7	36
	Total	2	2	3	7	36

(continued)

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Hess	BGGT-N2D	2	4	0	10	10
	Total	2	4	0	10	10
Hino	GT500	1	1	0	3	10
	Other/Not stated	0	0	0	0	0
	Total	1	1	0	3	10
All other makes	Total	3	24	8	39	112
Total	Total	302	389	374	1,110	5,151

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

Sources: RAV and BITRE estimates.

Table 17 Type approval RAV entries, motorcycles, top 20 makes and models, March 2024

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Yamaha	SEH2	192	96	64	416	666
	GPD150	160	40	40	200	560
	MTN890	131	0	72	131	588
	CZD300	80	40	180	120	440
	YZF	76	23	52	183	1,116
	WR SERIES	50	0	214	261	1,316
	XP560	42	0	9	42	109
	Other/Not stated	79	305	401	632	5,080
	Total	810	504	1,032	1,985	9,875
Kawasaki	EX400	283	27	154	312	1,196
	EN650	122	131	124	458	947
	KL650	77	24	24	160	592
	ZX1000	57	29	0	141	310
	ZR900	38	53	10	128	483
	Other/Not stated	158	152	74	575	1,973
	Total	735	416	386	1,774	5,501
Harley-Davidson	CRU SERIES	347	84	1,128	545	3,057
	FLH SERIES	133	134	86	412	1,065
	Other/Not stated	246	79	35	343	903
	Total	726	297	1,249	1,300	5,025
Honda	CBF125	96	288	0	576	1,296
	MW110	48	0	0	48	144
	XL750	33	28	0	71	506
	CMX500	32	64	64	256	834
	Other/Not stated	364	1,043	665	1,598	8,018
	Total	573	1,423	729	2,549	10,798
Triumph	ROCKET III	55	0	14	55	77
	Other/Not stated	298	289	245	995	2,135
	Total	353	289	259	1,050	2,212
BMW	K8X	111	31	36	162	474
	S1000	57	58	42	201	683
	K50	39	37	113	151	865
	Other/Not stated	92	196	50	432	1,182
	Total	299	322	241	946	3,204
Suzuki	DR-Z400	58	20	80	114	476
	UK110	30	36	60	116	912
	DS250	21	34	0	139	438
	DL800	15	14	2	51	219
	DL650	15	15	12	47	166
	GSX-S1000	12	9	2	36	233
	Other/Not stated	40	39	65	172	1,021
	Total	191	167	221	675	3,465
Indian	TYPE D CHIEF	104	0	23	104	595
	FTR	40	9	2	49	221
	SCOUT	20	0	140	51	473
	Other/Not stated	10	2	45	13	296
	Total	174	11	210	217	1,585
CFMoto	CF400	62	220	68	312	855
	CF800	57	46	112	155	384
	CF250	40	42	72	82	197
	Other/Not stated	0	33	0	139	433
	Total	159	341	252	688	1,869
Husqvarna	701	73	0	77	73	332
	FE	52	0	49	53	837
	TE	33	0	93	33	483
	Other/Not stated	0	0	16	0	853
	Total	158	0	235	159	2,505

(continued)

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

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
KTM	IS DUKE	85	42	252	127	715
	ADVENTURE	32	1	87	33	1,878
	IS RC	16	0	1	16	240
	DUKE	16	0	30	16	48
	Other/Not stated	1	4	389	6	4,167
	Total	150	47	759	198	7,048
Royal Enfield	CNEX	52	33	69	193	1,095
	J1	48	72	113	134	357
	Other/Not stated	28	3	58	31	86
	Total	128	108	240	358	1,538
Vespa	Other/Not stated	108	44	0	166	687
	Total	108	44	0	166	687
Braap	MOTO4	72	0	0	72	288
	Other/Not stated	0	0	0	0	63
	Total	72	0	0	72	351
Sym	SYMPHONY	20	0	0	32	53
	CLASSIC	18	0	36	47	94
	CROX 50	8	0	50	31	97
	LX	3	0	0	4	4
	Other/Not stated	0	4	10	28	96
	Total	49	4	96	142	344
Sherco	S6	42	33	84	75	304
	Total	42	33	84	75	304
Beta	X-TRAINER	19	8	0	46	218
	RR	17	62	24	94	438
	EX	6	14	1	28	101
	Total	42	84	25	168	757
Royal Alloy	G	39	0	0	39	136
	Other/Not stated	0	0	0	0	1
	Total	39	0	0	39	137
Piaggio	MEDLEY	36	0	36	36	108
	Other/Not stated	0	0	0	0	28
	Total	36	0	36	36	136
Paso Motors	XF250	29	0	0	29	29
	Total	29	0	0	29	29
All other makes	Total	87	788	871	1,234	7,669
Total	Total	4,960	4,878	6,925	13,860	65,039

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

Sources: RAV and BITRE estimates.

Concessional approval RAV entries

Table 18 Concessional approval RAV entries, by vehicle type and month, March 2024

Month	Vehicle type									Total
	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Motorcycles	Light trailers	Medium trailers	Heavy trailers	Not stated	
Mar 2024	1,531	186	24	82	0	285	42	18	435	2,603
Feb 2024	1,654	302	31	67	0	350	59	19	578	3,060
Jan 2024	1,349	273	38	24	0	330	49	8	595	2,666
Dec 2023	1,386	259	30	24	0	323	63	13	487	2,585
Nov 2023	1,522	371	31	4	0	368	73	21	646	3,036
Oct 2023	1,383	331	19	3	0	302	52	12	706	2,808
Sep 2023	1,163	368	18	45	0	408	92	14	1,103	3,211
Aug 2023	1,476	185	18	13	0	321	70	14	1,183	3,280
Jul 2023	905	77	12	426	1	128	15	10	966	2,540
Jun 2023	803	39	11	196	0	235	8	17	2,814	4,123
May 2023	701	16	0	3	0	51	3	5	837	1,616
Apr 2023	455	24	15	91	0	23	1	9	543	1,161
Mar 2023	441	16	5	5	0	16	3	3	640	1,129
Feb 2023	495	10	5	10	0	10	2	7	597	1,136
Jan 2023	397	7	1	4	0	12	0	1	673	1,095
Dec 2022	421	2	0	6	0	31	9	5	667	1,141
Nov 2022	393	2	4	17	0	46	8	12	1,218	1,700
Oct 2022	287	1	0	0	0	40	9	6	1,226	1,569
Sep 2022	195	0	0	0	0	53	7	11	1,246	1,512
Aug 2022	263	2	0	0	0	60	11	9	1,246	1,591
Jul 2022	161	0	1	0	0	57	25	12	1,007	1,263
Jun 2022	98	1	1	56	0	48	6	5	1,239	1,454
May 2022	67	0	0	36	0	29	6	0	867	1,005
Apr 2022	59	0	0	34	0	43	9	5	986	1,136
Mar 2022	27	0	6	33	1	43	5	1	972	1,088

a. Total excludes Second Stage of Manufacture vehicles.

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

Sources: RAV and BITRE estimates.

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

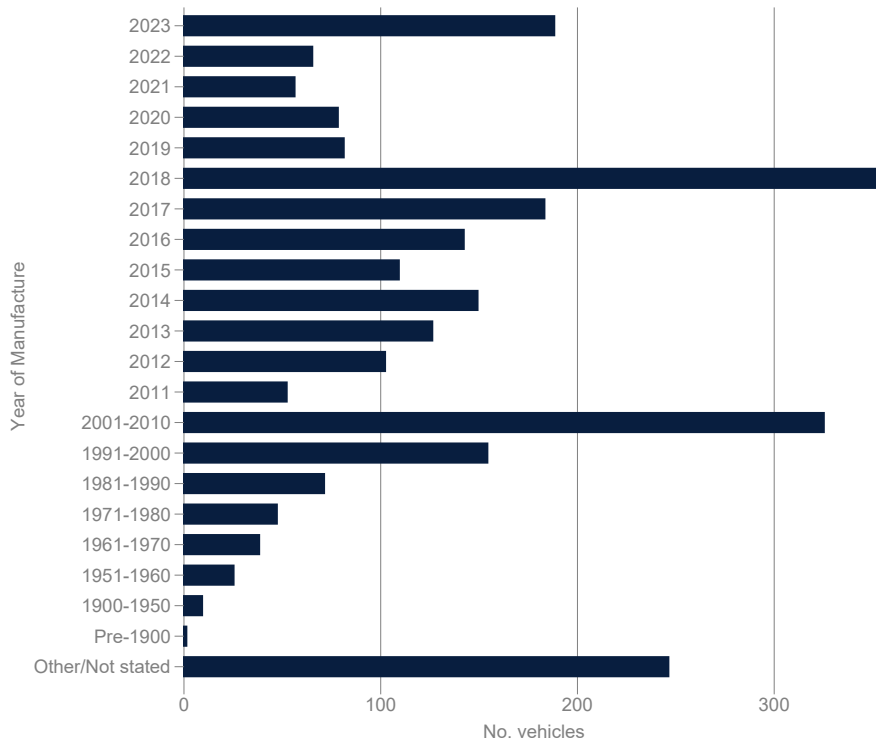
Year of Manufacture	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
2023	188	288	15	802	3,588
2022	65	63	26	195	1,175
2021	56	54	21	166	778
2020	78	67	21	200	620
2019	81	103	18	246	806
2018	356	381	46	1,067	2,861
2017	183	178	156	539	2,587
2016	142	149	54	427	1,394
2015	109	147	55	378	1,480
2014	149	184	76	484	1,781
2013	126	150	60	377	1,272
2012	102	106	54	318	1,394
2011	52	76	45	185	753
2001-2010	325	415	309	1,058	4,680
1991-2000	154	221	104	591	2,807
1981-1990	71	81	19	244	1,170
1971-1980	47	67	17	229	1,229
1961-1970	38	58	19	173	942
1951-1960	25	36	10	87	491
1900-1950	9	23	4	50	358
Pre-1900	1	0	0	2	6
Other/Not stated	246	213	0	511	517
Total	2,603	3,060	1,129	8,329	32,689

a. Total excludes Second Stage of Manufacture vehicles.

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

Sources: RAV and BITRE estimates.

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



Sources: RAV and BITRE estimates.

Table 20 Specialist and Enthusiast Vehicle RAV entries, by SEV category and month, March 2024

Month	SEV approval criterion							Total
	Camper-vans and Motor-homes	Environmental	Left-Hand Drive	Mobility	Performance	Rarity	Not stated	
Mar 2024	215	1,072	39	201	205	10	0	1,742
Feb 2024	241	1,105	41	331	262	7	0	1,987
Jan 2024	245	928	39	223	221	4	0	1,660
Dec 2023	206	935	37	243	246	7	0	1,674
Nov 2023	353	1,000	31	270	260	10	0	1,924
Oct 2023	265	932	29	290	211	6	0	1,733
Sep 2023	268	695	14	333	220	9	4	1,543
Aug 2023	161	941	3	300	211	5	58	1,679
Jul 2023	53	520	0	196	189	11	25	994
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	120	0	1	503
Jan 2023	3	224	0	95	80	2	0	404
Dec 2022	2	205	0	89	121	4	1	422
Nov 2022	1	90	0	1	41	0	261	394
Oct 2022	0	55	0	2	38	0	193	288
Sep 2022	0	30	0	2	27	0	136	195
Aug 2022	0	48	0	2	28	0	187	265
Jul 2022	0	11	0	0	27	0	123	161
Jun 2022	0	30	0	0	18	0	51	99
May 2022	0	7	0	1	21	0	37	66
Apr 2022	0	15	0	9	21	0	14	59
Mar 2022	0	0	0	27	0	0	0	27

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

Sources: RAV and BITRE estimates.

Second Stage of Manufacture RAV entries

Table 21 Second Stage of Manufacture RAV entries, by vehicle type and month, March 2024

Month	Passenger vehicles	Light commercial vehicles	Medium goods vehicles	Heavy goods vehicles	Buses	Not stated	Total
Mar 2024	550	2,796	1,177	139	24	0	4,686
Feb 2024	543	3,330	1,260	147	30	0	5,310
Jan 2024	265	2,986	849	170	25	0	4,295
Dec 2023	173	2,785	1,070	108	22	0	4,158
Nov 2023	234	3,034	1,237	155	29	0	4,689
Oct 2023	141	3,573	1,298	139	23	1	5,175
Sep 2023	130	5,545	1,043	42	21	0	6,781
Aug 2023	166	3,911	1,293	40	39	0	5,449
Jul 2023	119	3,015	971	30	37	0	4,172
Jun 2023	152	2,836	1,088	20	22	0	4,118
May 2023	143	3,043	998	29	32	0	4,245
Apr 2023	82	2,259	657	6	19	0	3,023
Mar 2023	117	3,144	765	54	15	0	4,095
Feb 2023	79	2,001	591	28	36	0	2,735
Jan 2023	85	1,849	498	29	15	0	2,476
Dec 2022	70	1,993	615	50	16	0	2,744
Nov 2022	63	2,584	736	1	19	0	3,403
Oct 2022	50	3,203	705	18	41	0	4,017
Sep 2022	60	2,496	739	34	7	0	3,336
Aug 2022	55	1,403	896	18	26	0	2,398
Jul 2022	41	1,347	642	20	27	0	2,077
Jun 2022	48	1,730	674	25	18	0	2,495
May 2022	15	1,589	711	18	21	0	2,354
Apr 2022	19	1,029	435	0	27	0	1,510
Mar 2022	24	1,573	570	0	19	0	2,186

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

Sources: RAV and BITRE estimates.

Table 22 Second Stage of Manufacture RAV entries, top 10 makes and models, March 2024

Make	Model	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
Toyota	HILUX	2,455	2,728	2,707	7,692	33,087
	LANDCRUISER	361	352	64	970	4,031
	HIACE	13	15	8	36	163
	COMMUTER	10	12	5	39	180
	Other/Not stated	20	18	13	77	367
	Total	2,859	3,125	2,797	8,814	37,828
Nissan	PATROL	438	417	13	1,022	1,474
	NAVARA	97	327	245	612	2,688
	Other/Not stated	1	0	0	1	1
	Total	536	744	258	1,635	4,163
Ford	RANGER	372	429	225	1,132	3,489
	Other/Not stated	21	23	3	60	106
	Total	393	452	228	1,192	3,595
Isuzu	D-MAX	124	186	124	476	1,824
	MU-X	46	49	44	128	406
	NPS	18	35	24	57	304
	Other/Not stated	31	40	20	89	241
	Total	219	310	212	750	2,775
Mercedes-Benz	SPRINTER	151	105	126	313	1,512
	96X	19	2	0	34	68
	Other/Not stated	0	3	1	4	16
	Total	170	110	127	351	1,596
Fiat	DUCATO	114	159	241	383	1,380
	Other/Not stated	1	1	0	2	2
	Total	115	160	241	385	1,382
Mazda	BT-50	100	84	34	233	884
	Total	100	84	34	233	884
IVECO	DAILY	23	15	27	50	293
	Other/Not stated	55	35	17	115	233
	Total	78	50	44	165	526
Volvo	Other/Not stated	33	54	27	155	347
	Total	33	54	27	155	347
Kenworth	Other/Not stated	31	25	0	80	127
	Total	31	25	0	80	127
All other makes	Total	152	196	127	531	2,878
Total	Total	4,686	5,310	4,095	14,291	56,101

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

Sources: RAV and BITRE estimates.

RAV entries of caravans and camper trailers

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

Rank	Make	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
1	Jayco	658	836	1,121	1,874	9,845
2	Austrack Campers	308	278	0	942	2,531
3	Regent RV Pty Ltd	234	283	190	736	3,390
4	Ezytrail	201	177	1	521	2,125
5	Crusader Caravans	180	202	0	490	1,596
6	Market Direct Campers	180	187	0	521	2,441
7	New Age Caravans	120	124	0	336	1,405
8	Stoney Creek Campers	81	95	39	246	1,059
9	Essential Caravans	73	71	138	218	1,325
10	Leader	71	64	0	159	737
11	Lotus Caravans	71	16	0	130	584
12	Network RV	71	127	0	221	1,111
13	JB Caravans	69	82	0	161	1,022
14	Mars Campers	67	60	0	142	258
15	Urban Caravans	65	30	0	97	416
16	Supreme	63	93	0	196	835
17	Adventure Kings	60	69	69	163	665
18	Design RV	56	53	0	145	788
19	Avan	52	71	0	180	659
20	Seymour Caravans & Trailers Pty Ltd	50	36	0	99	215
21	Other makes	1,558	1,253	213	3,640	16,710
Total	-	4,288	4,207	1,771	11,217	49,717

a. Caravan and camper trailer RAV entry estimates are derived from trailer make and model information supplied to the RAV, and may not be a full enumeration.

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

Sources: RAV and BITRE estimates.

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

Tare weight	Mar 2024	Feb 2024	Mar 2023	Year to date	Last 12 months
<= 500kg	50	31	1	123	461
500-1000kg	162	149	89	409	1,571
1000-1500kg	332	419	246	1,057	5,066
1500-2000kg	579	636	427	1,682	7,775
2000-2500kg	1,839	1,742	708	4,745	20,105
2500-3000kg	1,194	1,143	290	2,913	13,435
3000-5000kg	130	87	10	286	1,290
> 5000kg	1	0	0	1	12
Not stated	1	0	0	1	2
Total	4,288	4,207	1,771	11,217	49,717

a. Caravan and camper trailer RAV entry estimates are derived from trailer make and model information supplied to the RAV, and may not be a full enumeration.

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

Sources: RAV and BITRE estimates.

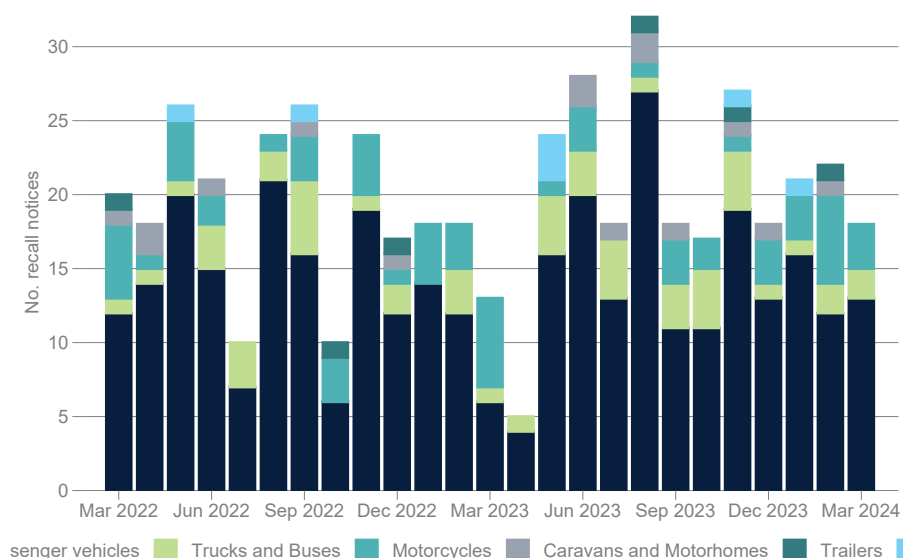
Vehicle recalls

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

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

Sources: ROVER and BITRE estimates.

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



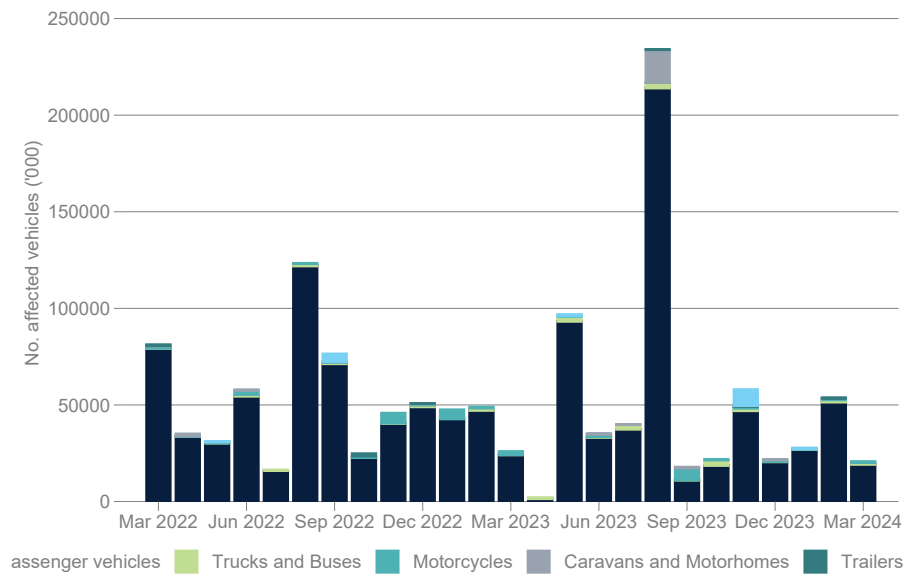
Sources: DITRDCA ROVER and BITRE estimates.

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

Month	Recall notice vehicle category						Total
	Passenger vehicles	Trucks and buses	Motorcycles	Caravans and motorhomes	Trailers	Other vehicles	
Mar 2024	19,247	913	535	0	0	0	20,695
Feb 2024	51,482	1,210	765	26	128	0	53,611
Jan 2024	26,900	255	130	0	0	443	27,728
Dec 2023	20,562	155	887	62	0	0	21,666
Nov 2023	47,007	1,316	842	50	471	8,262	57,948
Oct 2023	18,668	2,847	224	0	0	0	21,739
Sep 2023	11,194	56	6,092	449	0	0	17,791
Aug 2023	214,047	2,828	40	16,999	9	0	233,923
Jul 2023	37,427	2,419	0	36	0	0	39,882
Jun 2023	33,244	334	1,371	72	0	0	35,021
May 2023	93,280	2,711	72	0	0	729	96,792
Apr 2023	1,479	525	0	0	0	0	2,004
Mar 2023	24,225	30	1,627	0	0	0	25,882
Feb 2023	47,173	1,225	511	0	0	0	48,909
Jan 2023	42,786	0	4,702	0	0	0	47,488
Dec 2022	49,037	896	516	303	5	0	50,757
Nov 2022	40,538	61	5,140	0	0	0	45,739
Oct 2022	22,770	0	787	0	1,220	0	24,777
Sep 2022	71,334	669	370	20	0	4,000	76,393
Aug 2022	121,945	1,183	160	0	0	0	123,288
Jul 2022	16,121	175	0	0	0	0	16,296
Jun 2022	54,517	897	2,236	10	0	0	57,660
May 2022	30,361	16	574	0	0	25	30,976
Apr 2022	33,685	106	138	1,050	0	0	34,979
Mar 2022	79,281	4	1,220	158	513	0	81,176

Sources: ROVER and BITRE estimates.

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



Sources: DITRDCA ROVER and BITRE estimates.

Explanatory notes

Road Vehicle Standards Act 2018

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

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

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

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

The following sections provide a broad overview of the conditions governing entry of vehicles on the RAV. Further information is on the Road Vehicle Standards laws webpage⁶ and in the following RVSA-related legislative instruments:

- Road Vehicles Standards Act 2018
- Road Vehicles Standards Rules 2019
- Road Vehicle Standards (Information on the Register of Approved Vehicles) Determination 2021
- Vehicle Standard (Australian Design Rule – Definitions and Vehicle Categories) 2005

RAV approvals

A vehicle may be entered on the RAV only if it satisfies the requirements of one of two entry pathways:

- Type approval pathway
- Concessional RAV entry approval pathway⁷

Vehicle type approvals

A vehicle of a particular type satisfies the requirements of the *vehicle type approval* pathway if, immediately before the vehicle is entered on the RAV, all of the following conditions are satisfied:

- a road vehicle type approval, applicable to that type of vehicle, is in force
- the design and componentry of the vehicle is in accordance with the design and componentry for that type of vehicle set out in any version of the supporting information for the approval
- the vehicle was manufactured in accordance with the manufacturing process for that type of vehicle set out in any version of the supporting information for the approval
- either
 - the vehicle complies with the applicable national road vehicle standards, as in force at the time the vehicle is entered on the RAV; or
 - the road vehicle type approval specifies that vehicles of that type are not required to comply with the applicable national road vehicle standards in certain respects (generally that the non-compliance is only minor and inconsequential and the vehicle complies with standards that make it suitable for use on Australian public roads)

⁶ <https://www.infrastructure.gov.au/infrastructure-transport-vehicles/vehicles/road-vehicle-standards-laws>

⁷ Referred to elsewhere here as 'Concessional approval RAV entries'.

- the vehicle is a new vehicle; and
- either, the vehicle is in Australia or the type approval allows the entry of the vehicle on the RAV when the vehicle is outside Australia.

Concessional RAV entry approvals

A road vehicle satisfies the requirements of the concessional RAV entry approval pathway if it meets the following conditions:

- a concessional RAV entry approval that applies to the vehicle is in force
- if the approval is subject to a condition that is required to be met before the vehicle is entered on the RAV—the condition has been met
- either the vehicle is in Australia or the approval allows the entry of the vehicle on the RAV when the vehicle is outside Australia.

A concessional RAV entry approval may be granted for the following:

- a road vehicle that is an older vehicle
- a road vehicle that is to be modified by the holder of a Registered Automotive Workshop (RAW) approval
- a road vehicle that is a special purpose vehicle
- a road vehicle that is to be imported as part of the person's personal effects
- a road vehicle that is a trailer
- a road vehicle on the grounds that the vehicle is suitable for entry on the RAV.

Further details are provided in DITRDCA (2023b).

Vehicle attributes recorded on the RAV

Vehicle attributes recorded on the RAV include:

- vehicle identification number (VIN)
- make
- model
- build date
- entry pathway category
- vehicle category
- tare mass
- gross vehicle mass (GVM)
- gross combination mass (GCM)
- gross trailer mass
- maximum engine power
- seating capacity
- road train capable (yes/no)
- B-double capable (yes/no)

The RAV does not include information vehicle's motive power source (e.g. internal combustion engine, battery electric vehicle) and/or fuel type (e.g. petrol, diesel, etc.).

RAV coverage

The RVSA commenced in full on 1 July 2021 and triggered a 12-month transition period for certain segments of the industry to enter information on the RAV. This transitional period was subsequently extended for a further 12 months, to 30 June 2023, to allow more time for industry segments to transition their businesses to operate under the RVSA. Segments permitted a transition extension included:

- Identification plate approval (IPA) holders
- Registered Automotive Workshops (RAWs)
- Motor Vehicle Standards Act 1989 (MVSA) and Interim Specialist and Enthusiast Vehicles (SEV) list vehicles
- Vehicles with MVSA import approval

- Low aggregate trailer mass (ATM) trailer manufacturers
- Special purpose vehicles (SPVs)
- Second stage of manufacture (SSM) vehicles.

Glossary

Entry Pathway Sub-category The basis on which the vehicle type approval or concessional RAV entry approval was granted to the specified vehicle.

Entry Pathway sub-categories

The following section defines the eligibility criteria for each of the RAV entry pathway sub-categories.

Type approval – Standard Sub-category applies to a vehicle if:

- the vehicle is to be entered on the RAV via the type approval pathway
- the road vehicle type approval that applies to the vehicle was granted on the basis of the matter in:
 - the type of vehicle complies with the applicable national road vehicle standards, in force at the time of the application decision
 - the type of vehicle *substantially* complies with the applicable national road vehicle standards as in force at the time of the application decisions, and the non-compliance is only in minor and inconsequential respects.

Type approval – Non-standard Sub-category applies to a road vehicle where all of the following apply:

- the vehicle is to be entered on the RAV via the type approval pathway
- the type of vehicle *substantially* complies with the applicable national road vehicle standards as in force at the time of the application decisions, and the non-compliance is only in minor and inconsequential respects (refer to *Road Vehicle Standards (Information on the Register of Approved Vehicles) Determination 2021*, Section 6(4).)

Type approval – Second stage of manufacture Sub-category applies to a road vehicle where all of the following apply:

- the vehicle (base vehicle) was entered on the RAV via the type approval pathway
- the base vehicle underwent a second stage of manufacture (SSM) in accordance with the supporting information for the applicable road vehicle type approval before being provided to a consumer for the first time in Australia; and
- the vehicle, following the SSM is entered on the RAV via the type approval pathway - Second stage of manufacture.

RAWS concessional approval – Specialist and Enthusiast Vehicles (SEV) Sub-category applies to a road vehicle where all of the following apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the vehicle is covered by an entry on the SEVs Register
- the concessional RAV vehicle was modified or manufactured by the holder of a RAW approval (refer to subparagraph 37(a)(i) of the *Road Vehicles Standards Rules 2019* for full details).

RAWS concessional – Used motorcycle full compliance Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the vehicle is a used two-wheeled vehicle or a used three-wheeled vehicle
- the concessional RAV vehicle was modified or manufactured by the holder of a RAW approval (refer to subparagraph 37(a)(i) of the *Road Vehicles Standards Rules 2019* for full details).

RAWS concessional – Second stage of manufacture Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the vehicle is a road vehicle that:

- is entered on the RAV via the type approval pathway
- has not been provided to a consumer for the first time in Australia; and
- has been, is currently undergoing or will be subject to second stage of manufacture before being so provided
- the concessional RAV vehicle was modified or manufactured by the holder of a RAW approval (see subparagraph 37(a)(i) of the *Road Vehicles Standards Rules 2019*).

Concessional-Trailers Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the concessional RAV entry approval that applies to the vehicle was granted on the basis of the eligibility criterion in section 40 of the *Road Vehicles Standards Rules 2019*.

Concessional-Older vehicle Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the vehicle is in one of the following vehicle categories:
 - Passenger car (ADR vehicle code: MA)
 - Forward-control Passenger Vehicle (MB)
 - Off-road Passenger Vehicle (MC)
 - Moped - 2 wheels (LA)
 - Moped - 3 wheels (LB)
 - Motor cycle (LC)
 - Motor cycle and side-car (LD)
 - Motor tricycle (LE)
 - Light Goods Vehicle (NA)
- the vehicle has a relevant build date that is at least 25 years before the date of the RAV application (see section 36 of the *Road Vehicles Standards Rules 2019* for full details).

Concessional-Special purpose vehicle Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the concessional RAV entry approval that applies to the vehicle was granted on the basis of the eligibility criterion in section 38 of the *Road Vehicles Standards Rules 2019*.

Concessional-Personal effects Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway
- the concessional RAV entry approval that applies to the vehicle was granted on the basis of the eligibility criterion in section 39 of the *Road Vehicles Standards Rules 2019* – in broad terms, to a vehicle that a person becomes the owner of while living outside Australia on a permanent basis. Where the person arrives in Australia with the intention of living there indefinitely (in addition to meeting other requirements), they may seek to import the vehicle as part of their personal effects.

Concessional-Road vehicle suitable for entry on RAV Sub-category applies to a road vehicle where the following conditions apply:

- the vehicle is to be entered on the RAV via the concessional RAV entry approval pathway; and
- the concessional RAV entry approval that applies to the vehicle was granted on the basis that the Minister is satisfied that the vehicle is suitable for entry on the RAV (see section 41 of the *Road Vehicles Standards Rules 2019*).

Australian Design Rules vehicle categories

Australian Design Rule vehicle categories are defined in *Vehicle Standard (Australian Design Rule – Definitions and Vehicle Categories) 2005*, and are listed here for convenience.

Two-wheeled and three-wheeled vehicles

Moped - 2 Wheels (ADR code: LA) A 2-wheeled motor vehicle, not being a 'Power-Assisted Pedal Cycle', with an engine cylinder capacity not exceeding 50 ml and a 'Maximum Motor Cycle Speed' not exceeding 50 km/h; or a 2-wheeled motor vehicle with a power source other than a piston engine and a 'Maximum Motor Cycle Speed' not exceeding 50 km/h.

Moped - 3 Wheels (LB) A 3-wheeled motor vehicle, not being a 'Power-Assisted Pedal Cycle', with an engine cylinder capacity not exceeding 50 ml and a 'Maximum Motor Cycle Speed' not exceeding 50 km/h; or a 3-wheeled motor vehicle with a power source other than a piston engine and a 'Maximum Motor Cycle Speed' not exceeding 50 km/h.

Motor cycle (LC) A 2-wheeled motor vehicle with an engine cylinder capacity exceeding 50 ml or a 'Maximum Motor Cycle Speed' exceeding 50 km/h.

Motor cycle and side-car (LD) A motor vehicle with 3 wheels asymmetrically arranged in relation to the longitudinal median axis, with an engine cylinder capacity exceeding 50 ml or a 'Maximum Motor Cycle Speed' exceeding 50 km/h.

Side-car A car, box or other receptacle attached to the side of a motor cycle and for the support of which a wheel is provided.

Motor tricycle (LE) A motor vehicle with 3 wheels symmetrically arranged in relation to the longitudinal median axis, with a 'Gross Vehicle Mass' not exceeding 1.0 tonne and either an engine cylinder capacity exceeding 50 ml or a 'Maximum Motor cycle Speed' exceeding 50 km/h.

Passenger vehicles (excluding omnibuses)

Passenger car (MA) A passenger vehicle, not being an off-road passenger vehicle or a forward-control passenger vehicle, having up to 9 seating positions, including that of the driver.

Forward-control passenger vehicle (MB) A passenger vehicle, not being an off-road passenger vehicle, having up to 9 seating positions, including that of the driver, and in which the centre of the steering wheel is in the forward quarter of the vehicle's 'total length'.

Off-road passenger vehicle (MC) A passenger vehicle having up to 9 seating positions, including that of the driver and being designed with special features for off-road operation.

Omnibuses

Light omnibus (MD) A passenger vehicle having more than 9 seating positions, including that of the driver, and a Gross Vehicle Mass not exceeding 5.0 tonnes.

Heavy omnibus (ME) A passenger vehicle having more than 9 seating positions, including that of the driver, and a Gross Vehicle Mass exceeding 5.0 tonnes.

Goods vehicles

Light goods vehicle (NA) A motor vehicle constructed primarily for the carriage of goods and having at least 4 wheels; or 3 wheels and a Gross Vehicle Mass exceeding 1.0 tonne and not exceeding 3.5 tonnes.

Medium goods vehicle (NB) A motor vehicle constructed primarily for the carriage of goods and having at least 4 wheels; or 3 wheels and a Gross Vehicle Mass exceeding 3.5 tonnes and not exceeding 12.0 tonnes.

Heavy goods vehicle (NC) A motor vehicle constructed primarily for the carriage of goods and having at least 4 wheels; or 3 wheels and a Gross Vehicle Mass exceeding 12.0 tonnes.

Trailers

Very light trailer (TA) A single-axled trailer (i.e. vehicle without motive power constructed to be drawn behind a motor vehicle) with a 'Gross Trailer Mass' not exceeding 0.75 tonnes.

Light trailer (TB) A trailer (i.e. vehicle without motive power constructed to be drawn behind a motor vehicle) with a 'Gross Trailer Mass' not exceeding 3.55 tonnes, other than a trailer of Category TA.

Medium trailer (TC) A trailer (i.e. vehicle without motive power constructed to be drawn behind a motor vehicle) with a 'Gross Trailer Mass' exceeding 3.5 tonnes but not exceeding 10 tonnes.

Heavy trailer (TD) A trailer (i.e. vehicle without motive power constructed to be drawn behind a motor vehicle) with a 'Gross Trailer Mass' exceeding 10.0 tonnes.

BITRE Road Vehicles Australia vehicle type

BITRE's Road Vehicles Australia vehicle types are defined in BITRE (2023), and listed here for convenience.

Articulated trucks Motor vehicles constructed primarily for load carrying, consisting of a prime mover having no significant load carrying area, but with a turntable device which can be connected to one or more trailers.

Buses Motor vehicles constructed for the carriage of passengers. This category includes all motor vehicles with 10 or more seats, including the driver's seat.

Campervans Self-propelled motor vehicles containing an area primarily used for accommodation. This includes motor homes and powered caravans.

Heavy Rigid Trucks Rigid trucks of GVM greater than 4.5 tonnes.

Light Commercial Vehicles Vehicles primarily constructed for the carriage of goods, and which are less than or equal to 3.5 tonnes GVM. This includes utilities, panel vans, cab-chassis and forward-control load carrying vehicles (whether four-wheel drive or not).

Light Rigid Trucks Rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes.

Motorcycles Two- and three-wheeled motor vehicles constructed primarily for the carriage of one or two persons. This category includes two and three wheeled mopeds, scooters, motor tricycles and motorcycles with sidecars.

Non-Freight Carrying Vehicles Specialist motor vehicles or motor vehicles fitted with special purpose equipment, and having little or no-load carrying capacity (e.g. ambulances, cherry pickers, fire trucks and tow trucks).

Passenger Vehicles Motor vehicles constructed primarily for the carriage of persons and containing up to nine seats (including the driver's seat). This category includes cars, station wagons, four-wheel drive passenger vehicles and forward-control passenger vehicles. Campervans are excluded.

Rigid Trucks Motor vehicles of GVM greater than 3.5 tonnes, constructed with a load carrying area. This includes trucks with a tow bar, draw bar or other non-articulated coupling on the rear of the vehicle. Rigid trucks are divided into two categories:

- Light rigid trucks of GVM greater than 3.5 tonnes and less than or equal to 4.5 tonnes.
- Heavy rigid trucks of GVM greater than 4.5 tonnes.

Abbreviations

ADR – Australian Design Rules

ATM – Aggregate trailer mass

BITRE – Bureau of Infrastructure and Transport Research Economics

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

FCV – Forward control passenger vehicle

GCM – Gross combination mass

GVM – Gross vehicle mass

HGV – Heavy goods vehicles

LCV – Light commercial vehicles

LGV – Light goods vehicles

MGV – Medium goods vehicles

MVSA – Motor Vehicle Standards Act 1989

OEM – original equipment manufacturer

RAV – Register of Approved Vehicles

RAW – Registered Automotive Workshop

RAWS – Registered Automotive Workshop Scheme

ROVER – Road Vehicle Regulator (RVSA administration system)

RVSA – Road Vehicles Standards Act 2018

SEV – Specialist and Enthusiast Vehicle

SSM – Second Stage of Manufacture

References

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