

RELEASE NOTES FOR MRC DATABASE

VERSION : MRCDB T13.0
(MRC VEHICLE REPAIR TIMES DATABASE)
MONTH : JUNE 2026



EXECUTIVE SUMMARY

MRC Malaysia provides vehicle repair times database for use in estimating the time required to remove and replace vehicle panels and parts. It also incorporates the repair methodology to meet manufacturers' specifications.

There are two categories of MRC Vehicle Repair Times Database:

- 1. Vehicle Specific Real Times (VSRT) which is repair times based on actual or similar vehicle makes and models.
- 2. Composite Repair Times (TC) which is average repair times categorised based on vehicle types and sizes.

The current times database status as of May 31, 2026, out of 3,227 derivatives of car model variants in the MRC database, 1,841 derivatives (57.0%) are Composite Repair Times and 1,386 derivatives (43.0%) are Vehicle Specific Real Times. (Figure 1.0)

In this release version T13.0, MRC Malaysia has successfully completed VSRT projects for 6 vehicle manufacturers with 7 vehicle models and 27 vehicle derivatives.

The vehicle models with the new VSRT are Audi Q5 2019, Chery Omoda 5 2023, Mazda 3 2022 - 2025, Nissan Navara 2021, Nissan X-Trail 2019, Subaru Forester 2019 and Toyota Hiace 2006.

Figure 1.0: MRC Vehicle Repair Times Database

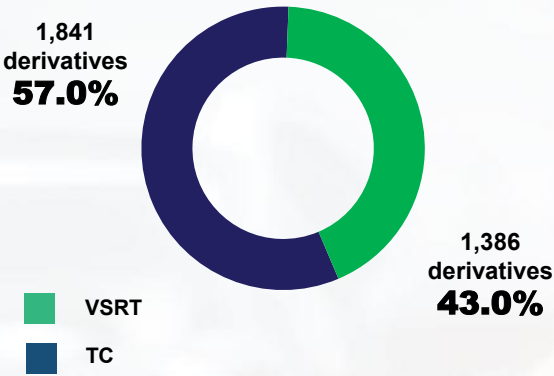


Figure 2.0: VSRT by Vehicle Manufacturers & Number of Vehicle Derivatives.

 195	 148	 117
 97	 81	 81
 72	 66	 58
 55	 52	 46
 45	 36	 35
 28	 27	 21
 20	 18	 18
 16	 16	 15
 9	 6	 5
 2	 1	

1.0 NEW VEHICLES IN DETAILS

New MRC Vehicle Repair Times Database projects have been carried out to replace previously used Composite Repair Times with the new Vehicle Specific Real Times. This batch consists of 27 derivatives and the vehicle makes and models details are as follow:



AUDI Q5 2019 On



Omoda 5 2023 On



Mazda 3 2022-2025



Nissan Navara 2021 On



Nissan X-Trail 2019 On



Subaru Forester 2019 On



Toyota Hiace 2006 On

7

MODELS

27

DERIVATIVES

No	MVI PROJECT CODE	MAKE	MODEL	TRIM	ENGINE SIZE	PREVIOUS TC PROJECT CODE	NEW VSRT PROJECT CODE
1	AD060	Audi	Q5 2019 On	TFSI Quattro	2.0	TC031	AD046
2	CH011	Chery	Omoda 5 2023 On	1.5 C 156Bhp	1.5	TC031	CH012
3	CH012	Chery	Omoda 5 2023 On	1.5 H 156Bhp	1.5	TC031	CH012
4	MZ154	Mazda	3 2022 - 2025	High Plus (Ignite Edition)	2.0	TC029	MZ109
5	MZ155	Mazda	3 2022 - 2025	High Plus	2.0	TC029	MZ109
6	MZ156	Mazda	3 2022 - 2025	High	2.0	TC027	MZ050
7	MZ157	Mazda	3 2022 - 2025	High Plus	2.0	TC027	MZ050
8	NS147	Nissan	Navara 2021 On	NP300 SE (M)	2.5	TC064	NS122
9	NS148	Nissan	Navara 2021 On	NP300 SE (A)	2.5	TC064	NS122
10	NS149	Nissan	Navara 2021 On	NP300 V 2.5 (A)	2.5	TC064	NS122

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1.0 NEW VEHICLES IN DETAILS

No	MVI PROJECT CODE	MAKE	MODEL	TRIM	ENGINE SIZE	PREVIOUS TC PROJECT CODE	NEW VSRT PROJECT CODE
11	NS150	Nissan	Navara 2021 On	NP300 V 2.5 (A)	2.5	TC064	NS122
12	NS151	Nissan	Navara 2021 On	NP300 Pro-4X 2.5 (A)	2.5	TC064	NS122
13	NS139	Nissan	X-Trail 2019 On	2.0L Hybrid 2WD	2.0	TC031	NS111
14	SB025	Subaru	Forester 2019 On	2.0i-L 154Bhp	2.0	TC031	SB010
15	SB026	Subaru	Forester 2019 On	2.0i-S 154Bhp	2.0	TC031	SB010
16	SB027	Subaru	Forester 2019 On	2.0i-S EyeSight	2.0	TC031	SB010
17	SB028	Subaru	Forester 2019 On	2.0i-S EyeSight GT Edition	2.0	TC031	SB010
18	SB029	Subaru	Forester 2019 On	2.0i-L GT Life Edition	2.0	TC031	SB010
19	TY134	Toyota	Hiace 2006 On (01/2006 - 08/2010)	KDH200R-RBMDYE	2.5	TC040	TY040
20	TY135	Toyota	Hiace 2006 On (01/2006 - 08/2010)	High Roof KDH202R-EDMDYE	2.5	TC040	TY040
21	TY136	Toyota	Hiace 2006 On (01/2006 - 08/2010)	VVTi - High Roof TRH203R-EDMDKE	2.7	TC040	TY040
22	TY137	Toyota	Hiace 2006 On (09/2010 - 12/2013)	KDH200R-RBMDYE	2.5	TC040	TY040
23	TY138	Toyota	Hiace 2006 On (09/2010 - 12/2013)	High Roof KDH202R-EDMDYE	2.5	TC040	TY040
24	TY139	Toyota	Hiace 2006 On (09/2010 - 12/2013)	VVTi - High Roof TRH203R-EDMDKE	2.7	TC040	TY040
25	TY179	Toyota	Hiace 2006 On (01/2014 -)	KDH200R-RBMDYE	2.5	TC040	TY040
26	TY180	Toyota	Hiace 2006 On (01/2014 -)	High Roof KDH202R-EDMDYE	2.5	TC040	TY040
27	TY181	Toyota	Hiace 2006 On (01/2014 -)	VVTi - High Roof TRH203R-EDMDKE	2.7	TC040	TY040

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2.0 ADDITIONAL NOTES & INFORMATION :

- **NIL**

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NOTE :

This is computer generated and no signature is required.

A blurred, high-angle photograph of a white car, likely a sedan, showing the roof and rear window area. The image is out of focus, emphasizing the text overlay.

**MRC MALAYSIA'S
LOCALLY RESEARCHED
VEHICLE SPECIFIC REAL TIMES
(VSRT) PROJECT**

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LOCALLY RESEARCHED VSRT FOR CHERY OMODA 5

We have expanded the locally researched Vehicle Specific Real Times database with the inclusion of the latest project of Chery Omoda 5. This new addition is available from June 2026.

For this Chery Omoda 5 project, it covers 2 MVIs and the trim level are Omoda 5 1.5C 156BHP and Omoda 5 1.5H 156BHP. The example of repair times for this model between existing composite repair times and the new locally researched Vehicle Specific Real Times illustrated below.

Front Collision Example

PARTS NAME	TOTAL TIMES (MET, PANEL AND PAINT)			
	NEWLY RESEARCHED VSRT	COMPOSITE REPAIR TIMES (TC031)	DIFFERENCE	
			HOURS	%
Bonnet	29.8	28.9	+0.9	+3.0
Bumper Front Cover				
Bumper Front Reinforcement Panel				
Fender Front RH				
Fender Front LH				

Rear Collision Example

PARTS NAME	TOTAL TIMES (MET, PANEL AND PAINT)			
	NEWLY RESEARCHED VSRT	COMPOSITE REPAIR TIMES (TC031)	DIFFERENCE	
			HOURS	%
Tailgate	13.6	14.3	-0.7	-5.0
Windscreen Rear				
Spoiler Rear				
Door Glass Rear Window LH				
Door Glass Rear Window RH				



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VEHICLE

Manufacturer : Chery
 Model : Omoda 5
 Year : 2023 On
 MVI Code : CH011 & CH012
 MRC Times : CH012
 Version : MVI260101_R1

DIMENSION

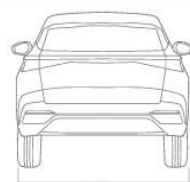
4,400 mm



2,630 mm



1,588 mm



1,830 mm

CRASH SAFETY RATING



Overall Score

88.64



VEHICLE SPECIFICATIONS

Variant	1.5 C	1.5 H
Price	RM 99,800*	RM 118,800*
Engine	16-valve DOHC, Turbocharged with Variable Valve Timing	
Capacity	1,498 cc	
Power	156 hp	
Torque	230 Nm	
Transmission Type	CVT Automatic	
MVI Code	CH011	CH012
MRC Times	CH012	

* The price shown reflects the 2023 pricing.

VEHICLE FEATURES

 AEB AUTONOMOUS EMERGENCY BRAKING ALL VARIANTS	 VSC VEHICLE STABILITY CONTROL ALL VARIANTS	 BSD BLIND SPOT DETECTION ALL VARIANTS	 LKA LANE-KEEPING ASSIST ALL VARIANTS	 FCW FORWARD COLLISION WARNING ALL VARIANTS
 SRS AIRBAGS ALL VARIANTS	 ACC ADAPTIVE CRUISE CONTROL ALL VARIANTS	 HSA HILL-START ASSIST ALL VARIANTS	 360° 360-DEGREE CAMERA ALL VARIANTS	 POWER TAILGATE H VARIANT ONLY
 AUTO START STOP ALL VARIANTS	 PANORAMIC SUNROOF H VARIANT ONLY	 AHB AUTO HIGH BEAM ALL VARIANTS	 EBD ELECTRONIC BRAKE FORCE DISTRIBUTION ALL VARIANTS	 ISOFIX ALL VARIANTS