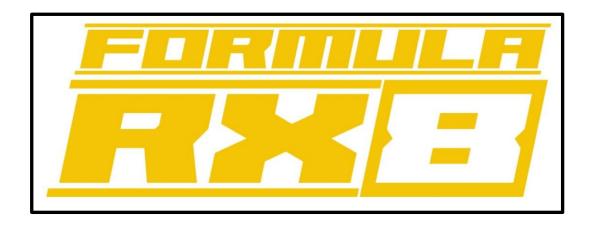
Sporting and Technical Regulations





2025 Formula RX8 SeriesSporting and Technical Regulations



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2025 Formula RX8 SeriesSporting & Technical Regulations

These 2025 Formula RX8 Series Sporting and Technical Regulations are published by *Motorsport Australia* (Registration Number 2025/017) and come into effect on 1 January 2025. They replace all previous Formula RX8 Series Sporting and Technical Regulations. Any subsequent Version of the Sporting and Technical Regulations published by *Motorsport Australia* will supersede the previous Version.

A capitalised and italicised word in this document is defined in the FIA International Sporting Code (*Code*), the National Competition Rules (*NCR*), including their Appendices or Attachment D of this document.

Any HEADING is for reference only and has no regulatory effect.

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2025 Formula RX8 SeriesSporting Regulations

S1 TITLE AND JURISDICTION

S1.1 Title

This Series will only be known as and referred to as the "2025 Formula RX8 Series".

\$1.2 Authority / Jurisdiction

- 1.2.1 Each Event incorporating a Round of the 2025 Formula RX8 Series (Series) will be held under the FIA International Sporting Code including Appendices; the National Competition Rules (NCR) and Circuit Race Standing Regulations (CRSR) of Motorsport Australia; the Sporting and Technical Regulations issued for this Series by Motorsport Australia; Supplementary Regulations issued by the Organiser for each Event, any Bulletin issued by the Stewards and any Driver Briefing Notes and instructions issued by the Clerk of the Course at an Event.
- 1.2.2 Any amendment to these Sporting and Technical Regulations will be advised to each *Competitor* as follows:
 - 1.2.2.1 Between *Events* issue of an updated version of the regulations.
 - 1.2.2.2 At an *Event* issue of a Bulletin by the Stewards.
- 1.2.3 This Series has been sanctioned by Motorsport Australia as an Authorised Series.
- 1.2.4 Mazda Racing Association of Australia (*MRAA*) has been appointed as the Category Manager (*CM*) by *Motorsport Australia* for this Series.

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S2 ADMINISTRATION

S2.1 Personnel

The following personnel have been appointed to the *Series* by *Motorsport Australia* and/or the *CM* and have the authority to administer the various aspects of these regulations as detailed in the *CRSR*.

Category Administrator (CA) Bill Ham

Driving Standards Advisor (DSA) TBA

Technical Advisor (TA) TBA

S3 COMPETITOR ELIGIBILITY

To be eligible to enter an *Automobile* in the *Series*, each *Competitor* must hold a current Motorsport Australia Competition Licence and be registered with the *CM* and have paid all fees required by the *CM*.





S4 AUTOMOBILE ELIGIBILITY

S4.1 General

- 4.1.1 To be eligible to compete in the Series, each Automobile must be an Australian delivered 2003 to 2008 Series 1 Mazda RX8 with a 6 speed manual transmission complying with the requirements of the 2025 Formula RX8 Series Technical Regulations, and be registered for the Series with the CM.
- 4.1.2 Except where permitted in these regulations, each *Automobile* must comply with the Technical Appendix of the *Manual*.

S4.2 Replacement Automobile

Prior to the commencement of the first qualifying session at each *Round*, a *Competitor* may nominate a substitute *Automobile* that will be permitted to compete in the remainder of the *Event* subject to the approval of the Stewards and *CM*.

S5 DRIVER ELIGIBILITY

S5.1 General

- 5.1.1 To be eligible to compete and score points in the *Series*, each *Driver* must be registered with the *CM* and have paid all fees required by the *CM*.
- 5.1.2 The *CM* reserves the right to prohibit any *Driver* from competing in any *Round* if, in the sole opinion of the *CM*, the *Driver*'s previous actions have resulted in the category or the *Series* being brought into disrepute.

S5.2 Licence

Except as noted below, each *Driver* must be a minimum of 15 years of age and hold the minimum of a Motorsport Australia Circuit Licence with a Provisional endorsement to be eligible to compete in the *Series*.

Note: A *Driver* must be a minimum age of 16 years and hold a Motorsport Australia Circuit Licence without Provisional endorsement or higher for any *Round* conducted at Mount Panorama.

S5.3 Apparel

- 5.3.1 Each *Driver* must wear apparel in compliance with the requirements of Technical Appendix, Schedule D.
- 5.3.2 A *Driver* must wear a properly fitted driving suit closed at the neck and wrists at any media or award presentation.

S5.4 Substitute Drivers

Prior to the commencement of the first qualifying session at each *Round*, a *Competitor* may nominate a substitute *Driver* who may be permitted to compete in the remainder of the *Event* subject to the approval of the Stewards and *CM*.

S6 SERIES ROUNDS

The Series will be conducted over 6 Rounds as detailed in the Series Calendar below.





S7 SERIES CALENDAR

The Series will be conducted over the following Rounds:

Round	Date	Circuit
1	18 – 20 April	Mount Panorama
2	9 – 11 May	Queensland Raceway
3 28 – 29 June		One Raceway
4 22 – 24 August		Winton Motor Raceway
5 3 – 5 October		Phillip Island
6	21 – 22 November	Mallala Motorsport Park

Note: The above calendar is subject to change. The CM will advise each Competitor of any change.

S8 ROUND FORMAT

S8.1 Round Format

The number, length and format of *Track* sessions will ultimately be negotiated between the *CM* and the *Organiser* prior to a *Round* of the *Series* and will be advised in the relevant *Supplementary Regulations* issued for an *Event*. Generally, the format of each *Round* will be as follows:

8.1.1 Practice A minimum of 2 x 20-minute sessions.

8.1.2 Qualifying A minimum of 1 x 20-minute session.

8.1.3 Races 3 or 4 x 20-minute races expressed as a number of laps.

S8.2 Variation to Timetable

The timetable may be varied at any time due to exceptional circumstances only with the prior approval of the Stewards.

S9 GRID DETERMINATION

- 9.1 The grid for Race 1 will be determined as detailed in the *CRSR*, i.e. qualifying results.
- 9.2 The grid for Race 2 (when 4 races are scheduled for a *Round*) will be determined as detailed in the *CRSR*, i.e. finishing order of Race 1.
- 9.3 The grid for Race 3 (Race 2 when 3 races are scheduled for a *Round*) will be determined as detailed in the *CRSR*, i.e. finishing order of the previous race, except that the front of the grid will be reversed dependent on the number of starters in the race as follows:

Number of Starters	Grid positions reversed
≥21	1 to 10
16 to 20	1 to 8
≤15	1 to 6

- 9.4 The grid for Race 4 (Race 3 when 3 races are scheduled for a *Round*) will be determined by the aggregate Series points awarded to each *Driver* for all preceding races. If more than 1 *Driver* has the same number of points, each such *Driver* will be placed in order of their fastest qualifying lap time.
- 9.5 If for any reason the Qualifying session is not conducted or the qualifying lap times are not able to be published, each grid position for Race 1 will be determined by the fastest lap time achieved by each *Automobile* in the practice session/s or other method as determined by the Stewards in consultation with the *CM*.





S10 START PROCEDURE

Unless specified otherwise in the event regulations, the *Start* procedure for each race will be a Non-Championship standing *Start* as detailed in the *CRSR*.

S11 AWARDS AND POINTSCORE

S11.1 Prizes and Trophies

Prizes, trophies and awards will be as determined by the CM and will be advised to each Competitor.

S11.2 Series Pointscore

- 11.2.1 If a *Driver* is not eligible for points, they will be considered invisible in the results.
- 11.2.2 Points will be awarded to each eligible *Driver* based on their outright finishing position for each race as follows:

Position	Points	Position	Points	Position	Points
1 st	41	13 th	23	25 th	11
2 nd	37	14 th	22	26 th	10
3 rd	34	15 th	21	27 th	9
4 th	32	16 th	20	28 th	8
5 th	31	17 th	19	29 th	7
6 th	30	18 th	18	30 th	6
7 th	29	19 th	17	31 st	5
8 th	28	20 th	16	32 nd	4
9 th	27	21 st	15	33 rd	3
10 th	26	22 nd	14	34 th	2
11 th	25	23 rd	13	35 th	1
12 th	24	24 th	12	36 th and below	1

- 11.2.3 Unless specified otherwise in the *Supplementary Regulations* at any *Round*, points will only be awarded to the eligible *Drivers* classified as finishers in the final results of each race conducted at each *Round*.
- 11.2.4 In addition to the above, 1 point will be awarded to the eligible *Driver* listed on the final results as recording the fastest lap time in the qualifying session at each *Round*.
- 11.2.5 The results for each *Round* will be determined by the total number of points scored by each eligible *Driver* at that *Round*.
- 11.2.6 At the end of the Series, the "points total" for each eligible Driver will be determined as follows:
 - 11.2.6.1 Points accumulated over each Round; minus
 - 11.2.6.2 Points from that *Driver's* lowest point scoring *Round* (see note below); minus
 - 11.2.6.3 Points loss imposed as a penalty.

Note: The lowest point scoring *Round* is any *Round* where a minimum of 1 point is awarded. Unless *Round* 1 (Mount Panorama) is the only *Round* not entered for the *Series*, a *Round* where 0 points are awarded cannot be used as the lowest point scoring *Round*.

11.2.7 The eligible *Driver* gaining the highest "points total" (refer S11.2.6) for the *Series* will be declared the winner of the 2025 Formula RX8 *Series*.





- 11.2.8 If there is a tie at the end of any *Round*, the final positions for that *Round* will be determined by comparing the results of each of the tied *Drivers* with the *Driver* with the highest number of first places being awarded the higher *Round* position. If a tie still exists, it will be resolved by comparing the number of second, third or fourth places (and so on) achieved by each tied *Driver* until all positions have been determined.
- 11.2.9 If there is a tie at the end of the *Series*, the final positions will be determined by comparing the race results achieved by each tied *Driver*, with the *Driver* with the highest number of first places being awarded the higher *Series* position. If a tie still exists, it will be resolved by comparing the number of second, third or fourth places (and so on) achieved by each tied *Driver* until all positions have been determined.

S11.3 Formula RX8 Rookie Trophy

- 11.3.1 The Formula RX8 Rookie Trophy will be open to any Driver in their first year of Circuit Race Competition.
- 11.3.2 Such *Driver* with the highest "points total" (refer S11.2.6) for the *Series* will be declared the winner of the Formula RX8 Rookie Trophy.

S11.4 Formula RX8 Rotary Masters Trophy

- 11.4.1 The Formula RX8 Rotary Masters Trophy will be open to any *Driver* over 40 years of age and not placed higher than 10th in the previous year's series who self nominates to the *CM*.
- 11.4.2 Such *Driver* with the highest "points total" (refer S11.2.6) for the *Series* will be declared the winner of the Formula RX8 Rotary Masters Trophy.

S12 EVENT OPERATIONS

S12.1 Series Registration and Entry

- 12.1.1 The *Series* will operate under the Motorsport Australia Series Registration and Entry Process. Series Registration and Entry Forms will be available from the *CM* with document checking being conducted by the *CM* prior to the first official *Track* session at each *Round*.
- 12.1.2 Registration for the Series or any Round is an agreement by the Competitor and Driver that they will comply with the event regulations and any instructions issued by an official.

S12.2 Driver Briefing

- 12.2.1 Each *Driver* must attend the compulsory *Drivers'* briefing.
- 12.2.2 The time and location of this briefing will be detailed in the Supplementary Regulations for each Event.
- 12.2.3 The attendance sheet must be signed by each *Driver* to confirm attendance.
- 12.2.4 Other compulsory briefings may be convened as required and will be advised to each *Competitor* accordingly.

S12.3 Scrutineering

- 12.3.1 Scrutineering at each *Round* will be conducted according to the Targeted Scrutineering Procedures published by *Motorsport Australia*.
- 12.3.2 The onus is on the *Competitor*, or their nominated representative, to present their *Automobile* for scrutineering at the appropriate times, in a complete and finished state, in 'ready to race' condition including each marking and *Seal* in accordance with these regulations and an operating timing transmitter in position.
- 12.3.3 The presentation by the *Competitor* of their *Automobile* for scrutineering will be deemed an implicit statement of conformity with the *Rules*.





S12.4 Parc Fermé

- 12.4.1 Each *Automobile* and *Driver*, including those remaining in *Pit Lane*, must proceed directly to the designated *Parc Fermé* area via the most direct route (or as directed by Officials) at the conclusion of qualifying, and without interference from any third party (other than an Official).
- 12.4.2 Each *Automobile* and *Driver* completing each race must proceed directly to the designated *Parc Fermé* area (or as directed by Officials) at the conclusion of the race, and without interference from any third party (other than an Official).

12.4.3 Once in Parc Fermé:

- 12.4.3.1 an *Automobile* may not be removed from *Parc Fermé* without the permission of the Chief Scrutineer (or nominee);
- 12.4.3.2 1 team member per *Automobile* may be permitted to enter the designated *Parc Fermé* area for the purpose of checking tyre pressures only. This will be permitted at the direction of the Chief Scrutineer (or nominee) only and the team member must leave the *Parc Fermé* area immediately once the tyre pressure check is completed;
- 12.4.3.3 no other person is permitted to enter the *Parc Fermé* without the permission of the Chief Scrutineer (or nominee); and
- 12.4.3.4 unless requested by the Chief Scrutineer (or nominee), it is prohibited to open the bonnet or boot lid of an *Automobile*.

S12.5 Qualifying

- 12.5.1 If a Red Flag is displayed during a practice or qualifying session, each *Automobile* must slow immediately and return to the *Pit Lane*, park in its allocated *Pit Bay* at 45 degrees nose-in and remain there until the Pit Exit opens or otherwise instructed by Race Control.
- 12.5.2 During qualifying, an *Automobile* may not return to the paddock area or pit lane garage without the permission of the Chief Scrutineer (or nominee). If an *Automobile* returns to the paddock or enters a pit lane garage during qualifying it will be prohibited from re-joining that session and will be subject to *Disqualification*.

S12.6 Pit Lane

- 12.6.1 Each pit crew member is required to sign a Pit Lane Indemnity Form prior to the first *Track* session and to display identification as and if required by the *Organiser*.
- 12.6.2 When parked in *Pit Lane*, each *Automobile* must be in its allocated *Pit Bay* at an angle of 45 degrees facing the *Fast Lane* with the nose pointing towards Pit Exit.

S12.7 Removal of Automobile from the Circuit

Following the commencement of the first practice session, it is prohibited to remove any *Automobile* from the *Circuit* prior to the release of all *Automobiles* from the *Parc Fermé* established following the final race of that *Round* without the prior written approval of the Chief Scrutineer.

S12.8 Driver leaving the Circuit

Any *Driver* leaving the *Circuit* prior to 1 hour after the completion of the last *Track* session for the *Series* for that day must notify the *CM* or a *Series* official.

S12.9 Communication to/from Automobile

Communication between the *Driver* and a member of the pit crew whilst the *Automobile* is on the *Track* is permitted by two-way radio and/or pit board only.





S13 TYRES

- 13.1 For the duration of each *Round*, each *Automobile* must only be fitted with Hankook Ventus 235/40x18 Z 221 R Spec M Compound tyres.
- 13.2 Each tyre must only be supplied by the Series tyre supplier:
 - Gary's Motorsport Tyres
 - 14 Holbeche Road, Arndell Park, NSW, 2148
 - Mob: 0418 968 613
- 13.3 Buffing of a tyre and/or the use of any tyre heating, heat retention device or chemical treatment on a tyre is prohibited.
- 13.4 With the exception of wear resulting from normal usage, each tyre must remain unmodified save for cleaning.
- At no time may any tread wear indicator on a tyre be exposed. Except on the shoulder of a tyre, the original tread pattern must be clearly visible in each area where there is no tread wear indicator.
- 13.6 At each *Round*, a maximum of 6 tyres, of which a maximum of 2 may be new, will be permitted for use by each *Automobile* during all practice sessions, qualifying sessions and races. Each of these tyres must be marked prior to the first practice session at each *Round* by the Chief Scrutineer (or nominee).
- 13.7 Unless approved by the Chief Scrutineer (or nominee), each used tyre must be a marked tyre from a previous *Round.*
- 13.8 Each *Competitor* is responsible for ensuring that each tyre is marked or re-marked as appropriate. If a tyre is not marked for any reason or the markings become illegible, the *Competitor* must notify the Chief Scrutineer (or nominee) immediately.
- 13.9 Each *Competitor is* permitted to replace a marked tyre if the Chief Scrutineer (or nominee) is satisfied that due to exceptional circumstances the tyre in question can no longer be used. The Chief Scrutineer (or nominee) will ensure that the tyre to be replaced has been rendered unusable and that the replacement tyre is of the same specification and of similar wear to the tyre being replaced.
- 13.10 If a *Competitor* is permitted to replace a marked tyre, the *Automobile* concerned must start the next race at that *Round* from the rear of the grid.

Note: The Chief Scrutineer will be the sole arbiter with regard to the interpretation and application of these tyre regulations and any decision made by the Chief Scrutineer in this regard will not be the subject of any protest.

S14 FUEL

S14.1 General

- 14.1.1 For the duration of a *Round*, each *Automobile* must only use commercially available pump fuel not exceeding 98 octane.
- 14.1.2 The *CM* may provide a control fuel for use at their discretion.
- 14.1.3 Except for a lubricant suitable for engine seals, any fuel additive is prohibited.

S14.2 Refuelling - Garage/Paddock

14.2.1 When refuelling or undertaking any activity with fuel, each *Competitor* must comply with the following procedure:





- 14.2.1.1 The Automobile's engine must be switched off;
- 14.2.1.2 At least 1 crew member must be designated as a fire attendant and in possession of at least 1 x 4.5 kg dry powder fire extinguisher;
- 14.2.1.3 The designated fire attendant must not perform any other task during the refuelling procedure; and
- 14.2.1.4 A drip/catch mat/tray capable of containing any spillage must be positioned below the refuelling point of the *Automobile*.

S15 AUTOMOBILE MARKINGS

S15.1 General

In addition to the requirements detailed below, the markings on each *Automobile* must comply with the requirements of Technical Appendix - *Schedule* K.

S15.2 Series Signage

15.2.1 Series signage/decals as detailed below and supplied by the CM must be affixed to each Automobile for the entirety of each Round.

Signage	Location
Formula RX8	Top strip of dashboard sign
Formula RX8	Windscreen strip
Formula RX8	Facing forwards on front clip
Formula RX8	Rear number plate
Formula RX8	Rear windscreen strip
ТВА	2 visible locations
Free	Above door panels, on roof, mirrors

- 15.2.2 The *CM* will provide a dash sign for each *Automobile* which must be affixed to the dashboard on the passenger side in view of the in-car camera. Removal of any supplied signage from the dash sign is prohibited.
- 15.2.3 The *CM* will provide 1 set of signage/decals for each *Automobile* at the beginning of the *Series*. Duplicate/replacement decals will be available from the *CM* during the *Series* at a cost to be determined by the *CM*.
- 15.2.4 Unless approved by the *CM*, display of any signage on an *Automobile* which is in direct competition with a *Series* sponsor is prohibited.

S15.3 Competition Number

- 15.3.1 The allocation of a *Competition Number* for each *Automobile* is solely the responsibility of the *CM*, which will maintain a register of all *Competition Numbers* allocated to, or reserved for, any *Automobile*.
- 15.3.2 Competition Number 1 is reserved for the current series winner at their discretion.
- 15.3.3 Triple digit numbers and any number starting with "0" are prohibited.
- 15.3.4 The *Competition Number* must be displayed in accordance with the requirements of Technical Appendix, *Schedule* K in the following locations:
 - 15.3.4.1 on the forward most part of the front door on each side of the Automobile; and
 - 15.3.4.2 on the upper right part of the front and rear windscreen when viewed from the front.





S15.4 Other Signage

"Nick-names" may be fitted to the bottom right hand corner of the windscreen in the oblique section of the windscreen, when viewed from the front.

S16 IN-CAR CAMERAS

- 16.1 Each *Automobile* must be fitted with an in-car camera system with the camera installed inside the *Automobile*, facing forward, recording the forward view through the windscreen and the *Driver's* hands.
- The in-car camera system must be switched on and remain fully operational to record video images for the duration of each practice session, qualifying session, and race.
- 16.3 It is the responsibility of each *Competitor* to ensure that each camera is in operational condition and is turned on prior to each *Track* session and turned off following each *Track* session.
- 16.4 Each *Competitor* must have 2 memory cards for each of their *Automobiles*, with each clearly labelled with the *Automobile's Competition Number*.
- 16.5 Access to the video images recorded by the in-car camera system must be provided to the *CM*, *DSA*, Clerk of the Course or Stewards at any time upon request.
- 16.6 The video images recorded by any in-car camera system must not be distributed without the prior express approval or release by the *CM*.
- 16.7 A memory card must not be removed from any camera until authorised by the CM or TD.
- The fitting of each camera must be approved by the Chief Scrutineer (or nominee) prior to the *Automobile* proceeding on to the *Track*.

S17 RAIN LIGHT

The rain light fitted to each *Automobile* must be illuminated at all times whilst the *Automobile* is being driven on a damp or wet *Track* or as otherwise directed by Race Control.

S18 TIMING TRANSMITTER

At all times during each Track session an Automobile must have the correct fully charged timing transmitter fitted and operating.

S19 SCALES OF FACT

The scales provided by the *Organiser* and/or the *CM* will be considered as Scales of Fact.

S20 JUDICIAL

- 20.1 For a *Competitor* to instigate an investigation of an incident, the Incident Enquiry Form must be legibly filled out and lodged with the *DSA* at a designated location within half an hour of the race/session finishing.
- Any judicial matter will be conducted in accordance with the *NCR* and any penalty imposed by the Stewards in accordance with the *CRSR* and the recommended penalties listed in the table below.





Breach	Recommended Penalty
Parc Fermé requirements	Disqualification from that session
Failure to attend media/award presentation	Loss of 10 Series points
Incorrect attire at media/award presentation	Loss of 10 Series points
In-car camera requirements	Loss of 10 Series points
Automobile under minimum weight	Disqualification from that session
Automobile under minimum ride height	Disqualification from that session
Seal not fitted or subject to interference	Disqualification from the event

S21 TESTING RESTRICTIONS

- 21.1 Unless otherwise approved by the *CM*, any *Automobile* associated with the *Series* is prohibited to be driven on any *Circuit* that is hosting a *Round* during the 7 days prior to the commencement of that *Round*.
- 21.2 The CM will be the sole arbiter as to whether an Automobile is associated with the Series.





2025 Formula RX8 Series

Technical Regulations

T1 PREAMBLE

The 2025 Formula RX8 Series (*Series*) is a single make category for the Mazda RX8 in accordance with these 2025 Formula RX8 Series Technical Regulations.

T2 GENERAL

T2.1 Eligible Models

- 2.1.1 Except as listed in T2.1.2, only Australian delivered, 2003 to 2008 Series 1 Mazda RX8, 6 speed manual transmission *Automobiles* are eligible for this *Series*.
- 2.1.2 The following models are not eligible for this Series:
 - 2.1.2.1 any limited production special purpose model, e.g. homologation model, special market unique version; and
 - 2.1.2.2 any Spirit R, GT and Mazdaspeed version with 19" wheels, including their parts.
- 2.1.3 It is permitted to utilise a donor shell from an automatic transmission Series 1 RX8, but in all other ways the *Automobile* must conform to the specification of the Series 1, 6 speed manual transmission vehicle.
- 2.1.4 Each Automobile must be the subject of a Category 3 Group 3E Log Book issued by Motorsport Australia.
- 2.1.5 Each *Automobile* must comply with the Technical Appendix

T2.2 Modification

- 2.2.1 Each Automobile must remain in compliance with every aspect of these Technical Regulations.
- 2.2.2 Anything that is not expressly permitted in these Technical Regulations is prohibited.

T2.3 Controlled Components

Each *Automobile* must be fitted with the *Controlled Components* listed in Attachment A which may be purchased from the *Authorised Supplier* listed in Attachment C. Where required, servicing or repair of a *Controlled Component* must be performed by the *Authorised Supplier*.

T2.4 Optional Components

Each Automobile may be fitted with any of the Optional Components listed in Attachment B at the discretion of the Competitor.

T2.5 Non-Genuine Parts

- 2.5.1 Provided no additional modification is made to facilitate the fitment of a non-genuine replacement part, freedom of source of supply is permitted for any fastener, belt, gasket, flexible hose, liquid carrying pipe, mechanical cable, bearing, pulley, clamp, spark plug, spark plug lead, filter, battery, battery cable, globe and light emitting diode, fuse, relay and windscreen glass.
- 2.5.2 Each non-genuine part must be a standard replacement part and must respect the configuration and functional dimensions of the part it replaces and be of similar material.
- 2.5.3 The fitment of a heated windscreen is permitted.





T2.6 OEM Components

Where a component is required to be *OEM*, it must be an original Australian delivered Mazda supplied component for the Mazda RX8 2003-2008 with manual transmission.

T3 WEIGHT

T3.1 Racing Weight

- 3.1.1 The *Racing Weight* for an *Automobile* at any time during a *Round*, including the *Driver* with helmet and wearing all apparel, must be equal to or greater than 1360 kg.
- 3.1.2 This *Racing Weight* is as measured by scales provided at each *Round*. It is the *Competitor's* responsibility to ensure compliance with the scales at each *Round*.

T3.2 Ballast

- 3.2.1 Ballast may be used to achieve the Racing Weight requirement.
- 3.2.2 Ballast must be fixed as described in the Technical Appendix, Schedule A.
- 3.2.3 Ballast must not exceed 65 kg in a single unit. Where more than 65 kg of *Ballast* is required, there must be more than one ballast unit fitted.

T4 SAFETY CAGE

Each *Automobile* must be fitted with a safety cage in compliance with Technical Appendix, Schedule J for a national race.

T5 INTERIOR

- 5.1 Except for any modification permitted by these regulations, all driving controls must retain *OEM* location and function.
- 5.2 It is permitted to replace the steering wheel.
- 5.3 It is permitted to add a quick release steering wheel boss.
- 5.4 The *OEM* pedals must be retained, and the location of the brake and clutch pedals must remain in *OEM* position and of *OEM* operation. Spacers may be used to alter the position of the *OEM* accelerator pedal for the purpose of changing height in relation to other pedals. Pedal pads on the clutch, brake and accelerator may be added or modified. Footrests may be added. Competition style pedal boxes are prohibited.
- Instruments are free, but the *OEM* dashboard and instrument binnacle must be retained in its *OEM* location. Any hole in the dashboard resulting from the removal of instruments must be closed by the addition of a panel.
- 5.6 It is permitted to remove interior carpet, sound deadening, roof lining and any interior trim not explicitly required to remain within these regulations.
- 5.7 Front door trims must be retained and may only be modified or removed to enable fitment of the safety Cage.
 Where front door trims need to be removed the doors will be covered by an appropriate aluminium sheet coloured black.
- 5.8 The centre console must be retained.





- The *Driver's Seat* must be compliant with FIA Standard 8855/99 or FIA 8862-2009. A *Seat* incorporating a head side support structure is recommended. The *OEM Seat* mountings may be replaced or modified and/or other mountings added to mount a *Seat*. Local modification of the floor pan to enable the fitment of a suitable *Seat* is permitted, noting that any modification must result in a mounting point within150 mm of the *OEM* mounting point, and no lower than 25 mm above the lowest point of the unmodified *Driver's* side floor pan excluding box sections. The centre console may not be modified or intruded upon by the *Seat*.
- 5.10 The internal windscreen mounted rear view mirror is free.
- 5.11 It is permitted to replace the rear side door window glass with clear polycarbonate material.

T6 ENGINE

- 6.1 Each engine must be sealed by the *TA* prior to competition. The *Seal* may only be broken with the approval of the *TA*.
- Provided the location, position and orientation of the engine remains as manufacturer specified, engine mounts are free. It is permitted to strengthen the alloy mount section.
- 6.3 Save where freedom is otherwise granted in these regulations, each engine component must be unmodified *OEM*. Resurfacing of cast side plates is permitted and encouraged.
- 6.4 Inlet and exhaust port dimensions and shape must be OEM.
- 6.5 It is permitted to remove material from the rotating assembly for the purpose of balancing. No more than 2% of manufacturer specified weight is permitted to be removed for this purpose from any one component of the rotating assembly. This material removal can only occur within a boundary described by the *OEM* side seal grooves. The shape of the combustion chamber must remain *OEM*.
- 6.6 Engine rotors must be *OEM* and no modifications are permitted aside permitted balancing. Bearings are free.
- 6.7 Non-OEM compression seals may be used but must be of metallic material.
- 6.8 Flywheels must be *OEM* and any modification is prohibited.
- 6.9 Eccentric shafts must be *OEM* and any modification is prohibited.
- 6.10 It is permitted to add an oil separator tank to the crankcase breather line.
- 6.11 Oil coolers may be replaced and/or added. Each oil cooler and associated component must remain inside the external *Bodywork* of the *Automobile*.
- 6.12 It is permitted to modify or replace the engine sump and associated pickup. Baffling is recommended.
- 6.13 It is permitted to remove all plastic shrouding located in the engine bay. Soundproofing material fitted in the engine bay and to the underside of the bonnet must be removed.
- 6.14 Pulleys are free.
- 6.15 Drive belts associated with these pulleys are free provided that the same number of ribs is utilised.

T7 ENGINE CONTROL UNIT (ECU)

- 7.1 The engine management system must be *OEM* and the *OEM* ECU must remain the triggering method for engine timing and fuelling.
- 7.2 It is prohibited to adapt any additional component to the ECU. A piggyback ECU is prohibited.





- 7.3 Other than the OBD plug from a Microtech 3.5" or AIM Mychron 5 race dash unit, it is prohibited to have anything plugged into the OBD port of the *Automobile* at any time. Any adaptor and/or extension is prohibited. The OBD plug must be always accessible to the *TA* and operable.
- 7.4 The ECU must be in the standard *OEM* mounting location and must provide access for the *TA* to connect to the ECU.
- 7.5 The ECU tune must remain as *OEM* production with only Formula RX8 changes permitted which will be implemented by the *CM*. A category ECU may be installed to an *Automobile/s* during a *Round* through a lottery system or at the discretion of the *CM*.
- 7.6 Where an *Automobile* exhibits a significant straight line speed advantage over the other *Automobiles*, it may be selected for scrutineering. This scrutineering may take place during the *Round* where the speed advantage has been noted. Measurements may be taken through circuit timing equipment or other means at the discretion of the *TA*.

T8 AIR INTAKE SYSTEM

- 8.1 The throttle body must be *OEM* and any modification is prohibited.
- 8.2 Except for the Air Intake *Controlled Component*, the intake manifold system and each intake component must be *OEM*.
- 8.3 It is permitted to replace the convoluted rubber intake pipe with the Convoluted Rubber Intake Replacement Optional Component.
- 8.4 It is permitted to remove the emissions air pump and carbon filter tanks.
- 8.5 The Air Intake *Controlled Component* must be fitted up stream of the convoluted rubber intake pipe (or *Optional Component* replacement) on the throttle body. The following *OEM* parts must be removed:
 - 8.5.1 Complete air cleaner box;
 - 8.5.2 Complete air duct pipe with flap; and
 - 8.5.3 Plastic box section on bar support in front of air duct.

T9 FUEL SYSTEM

- 9.1 The *OEM* fuel tank may be used. Fitment of a surge tank is prohibited.
- 9.2 Provided that they fit directly to the *OEM* fittings without modification and are in the *OEM* position inside the fuel tank, non-*OEM* direct factory replacement fuel pump assemblies are permitted.
- 9.3 It is permitted to fit a secondary fuel pump within the fuel tank solely for the purpose of transferring fuel from the reserve side of the saddle tank to the feed side of the saddle tank. Any plumbing or pipe associated with the secondary pump must remain inside the fuel tank.
- 9.4 It is permitted to fit a replacement or additional FIA FT3-1999 specification fuel tank, in compliance with the Group 3E Production Car Technical Regulations, for the purpose of adding a dry break system. A dry break fuel filler system may be fitted to the production fuel tank.
- 9.5 Provided that they directly fit to the *OEM* fittings without modification, non-*OEM* direct factory replacement fuel injectors are permitted.
- 9.6 Non-OEM replacement fuel lines are permitted.





T10 EXHAUST SYSTEM

- 10.1 The *OEM* exhaust manifold must be retained and any modification is prohibited.
- The entire exhaust system, downstream of the first joint at the end of the *OEM* exhaust manifold, is a *Controlled Component* and must be fitted to the first exit joint. Except for wrapping from the joint with the exhaust manifold downstream to the joint with the muffler with heat reduction material, any additional exhaust component and/or modification is prohibited.
- 10.3 The exhaust system must exit on the rear left of the *Automobile* as viewed from the rear.
- The use of heat shielding to protect the *Driver's* footwell, the gearbox and the differential is recommended...
- 10.5 Additional hangers are permitted.

T11 ELECTRICAL SYSTEM

- 11.1 The original Mazda RX8 loom must be used. Wiring related to unnecessary components may be removed. Except for the wiring in the *OEM* loom to the OBD port which must not be modified or have any additions made to it, original wiring may be replaced provided it only performs its original function,
- 11.2 The battery must be in the *OEM* location. Any battery is free in dimension and weight. The method of affixing the battery to the *OEM* battery tray is free. The *OEM* battery tray must be retained. Other than the method of affixing the battery any modification to the tray is prohibited.
- 11.3 The alternator must be in the *OEM* location and always operational when the engine is operating. An aftermarket pulley is permitted. A non-*OEM* alternator is permitted.
- 11.4 Ignition coils are free save that they must be a direct replacement of the *OEM* parts with no modifications required to the electrical connectors or requiring any additional component.
- 11.5 It is permitted to replace front corner indicators with blank mouldings of the same shape and size.
- 11.6 A rain light must be fitted as per Technical Appendix, Schedule C. The rain light may be illuminated by the park/headlight circuit.
- 11.7 It is permitted to permanently deactivate the Dynamic Stability Control (DSC).
- 11.8 It is permitted to remove the fog and/or driving lights which are separate from the main lighting system.
- 11.9 Aftermarket wheel speed sensors, ground speed sensors and ride height sensors are prohibited but additional sensors and gauges are free. It is recommended to fit an aftermarket oil pressure and water temperature gauge.
- 11.10 A Microtech 3.5" dash unit, or AIM Mychron 5 dash unit may also be utilised in addition to *OEM* gauges. Lap timers are permitted.

T12 ENGINE COOLING SYSTEM

- 12.1 Radiators are free provided the width, height and position of the replacement radiator are identical with the *OEM* radiator. If a replacement radiator is installed, removal or modification of any housing bracket or support is prohinited save that the plastic fan shroud may be modified or replaced.
- 12.2 Water Pumps must remain *OEM* or a direct *OEM* replacement type save that the impeller of a water pump is free.
- 12.3 The water and oil thermostats so far as operation and method of control are free.





- 12.4 Engine cooling fans are free.
- 12.5 Radiator caps are free
- 12.6 It is permitted to fit a protective screen mounted in front of the radiator and any oil coolers, provided no additional modifications are made to facilitate the fitment

T13 HEATING AND AIR CONDITIONING SYSTEM

It is permitted to remove any component solely associated with the heating and air conditioning system of the *Automobile*.

T14 TRANSMISSION

- 14.1 The differential must be sealed by the *TA* prior to competition. The *Seal* may only be broken with the approval of the *TA*.
- 14.2 The gearbox must be OEM Series 1.
- The gearbox must have 6 forward gears and a working reverse gear and include only ratios of the *OEM* Series 1 6 speed manual transmission system, including associated synchros.
- 14.4 The gear ratios must be:
 - 1st 3.760
 - 2nd 2.269
 - 3rd 1.539 or 1.65 (**Note:** The former ratio can be found in some imported gearboxes)
 - 4th 1.18
 - 5th 1.0
 - 6th 0.0843
- 14.5 Except for the following permitted modifications, the gearbox must remain as production:
 - 14.5.1 C clip modification behind 4th gear;
 - 14.5.2 clip on bronze skirts to selector forks;
 - 14.5.3 lubrication enhancements;
 - 14.5.4 shot peening and cryogenic treatment of any internal component;
 - 14.5.5 non-OEM synchro rings; and
 - 14.5.6 synchro saver plates to prevent over shifting.
- 14.6 The gearstick knob is free. The gearstick nylon bush may be replaced.
- 14.7 A single gearbox oil cooler is permitted.
- 14.8 Except for Optional Component differential plates, the differential and casing must remain OEM.
- 14.9 The final drive ratio must be 4.44 to 1, as found in Series 1 6 speed vehicles.
- 14.10 A single differential oil cooler is permitted.
- 14.11 Provided the number of plates remains in accordance with *OEM* specification, the transmission clutch driven plate is free. Carbon material is prohibited.
- 14.12 Except for the permitted fitment of a heavy-duty diaphragm, the pressure plate must be OEM type.





14.13 Starter motors are free.

T15 SUSPENSION

- The front and rear suspension and associated suspension mounting points must remain in the *OEM* location. It is permitted to replace rubber bushes with elastomeric material. No modification to location is permitted save that offset bushes may be used to further the adjustments from original points.
- 15.2 Wheel alignment settings are free within the offset adjustments at the *OEM* adjustable points. It is permitted to use wheel spacers up to 10 mm with corresponding extended length wheel studs.
- 15.3 It is permitted to strengthen or replace rear lower toe arms/links.
- 15.4 Except for MCA Blue coil overs (with a spring rate of 14 kg front and 8 kg rear) approved by the *CM* for use on a specific *Automobile*, shock absorbers/coil overs are a *Controlled Component* that must be purchased direct from the *Authorised Supplier* (Shockworks) and used with the supplied springs. Any modification is prohibited. Servicing must be done by returning to Shockworks.
- 15.5 A *Controlled Component* suspension item cannot be removed from an *Automobile* and fitted to another *Automobile* without permission from the *CM*. It is prohibited to mix the use of Shockworks and MCA suspension on the same *Automobile*.
- Tender spring and dual rate systems are prohibited. Helper springs are permitted to ensure main spring location in droop but must be fully compressed at the minimum ride height (refer Article T15.10).
- 15.7 Sway bars are to be Series 1 RX8 *OEM*. It is permitted to strengthen or replace sway bar links. Mounting bushes must be elastomeric.
- 15.8 Suspension pivot point and sub frame mounting bushes must be elastomeric and must remain in the *OEM* location.
- Any modification to any other *OEM* component, associated with suspension or wheel alignment and location, is prohibited.
- 15.10 The ride height of the suspension system is free provided that the minimum ground clearance, excluding the exhaust or any mounting point of the exhaust, is 100 millimetres. This ride height will be measured with the *Driver* and associated competition equipment in the *Automobile* and the front wheels in the straight-ahead position.

T16 BRAKES

- 16.1 It is permitted to replace disc rotors with ferrous items of the same dimensions as the *OEM* part. Slotted and drilled rotors are permitted. Only one-piece rotors are permitted.
- 16.2 Brake calipers must be *OEM*.
- 16.3 Brake pad friction linings can be Circo S99 & S83 compound or the matching Winmax W5 and W3 alternative. At a nominated round in 2025 Formula RX8 branded brake pads will be specified thereafter, with competitors allowed to use previously used Circo and Winmax as a transition run out by agreement only. Such pads will be marked and registered by the *TA*. The pad exterior is not to be covered by shims/covers to allow external inspection.
- Brake fluid pipes and hoses are free. The brake master cylinder and booster must be *OEM*. The Vacuum booster must operate as designed by the manufacturer.





- 16.5 The ABS system must be operational in accordance with *OEM* specifications.
- 16.6 The mechanical parking brake must remain operational.
- 16.7 It is permitted to remove brake backing plates.
- 16.8 Brake ducting is permitted.
- 16.9 All other brake components must be *OEM* and unmodified.

T17 WHEELS AND TYRES

- 17.1 Each wheel must be a *Controlled Component* as listed in Attachment A.
- 17.2 Wheels and Tyres must not protrude past the guard.
- 17.3 Wheels may be painted.
- 17.4 Wheel nuts must be open ended. It is permitted to replace any wheel nut provided that the replacement is of a ferrous material and the outer end is not enclosed.
- 17.5 Each tyre must be in compliance with the 2025 Formula RX8 Series Sporting Regulations.

T18 BODYWORK AND EXTERIOR

- 18.1 Except where expressly permitted the Bodywork of the Automobile must be unmodified and complete.
- The jacking points may be strengthened by the addition of metal, and or relocated and/or increased in number provided that each jacking point does not exceed a surface area of more than 150 mm x 150 mm and follows the contours of the original structure (sill panel).
- 18.3 Each *Automobile* must be fitted with a front and rear towing point in compliance with the requirements of Technical Appendix, Schedule B. Each tow point must be of a soft webbing design. No solid tow hooks.
- 18.4 It is permitted to fit an Australian release *OEM* Series 1 body kit.
- 18.5 It is permitted to replace the plastic engine undertray with a metallic substitute of the same dimensions, the base of which must be flat.
- 18.6 It is permitted to remove any under body brace that runs under the exhaust.
- 18.7 It is permitted to drill the plastic radiator grille to allow air flow directly to the radiator, the cross-hatch structure of the plastic grille must be retained. A 13 mm hole is recommended inside the cross hatch.
- 18.8 Inner wheel arch guards must be retained.
- 18.9 It is permitted to use front fog light apertures for front brake ducting.
- 18.10 It is permitted to use mesh to protect radiators and coolers within the confines of the Bodywork.
- 18.11 *OEM* side rear-vision mirrors must be fitted and be unmodified. It is permitted to disconnect and remove the electric operation of the mirrors.
- 18.12 On board jacking systems used to lift the *Automobile* are prohibited.
- 18.13 Only *OEM* rear wings and bootlip spoilers are permitted. Aftermarket design rear wings and spoilers are prohibited.
- 18.14 It is permitted to remove a glass sunroof. A sunroof aperture must be closed with aluminium or polycarbonate finishing flush to the roof line.





T19 COMPONENT SEALING

- 19.1 The *Competitor* must pre-drill holes in the engine and differential to allow for the fitment of a *Seal* by the *TA* prior to competition. The *TA* will provide guidance as to the exact location for the pre-drilled holes. Refer instructions below:
 - 19.1.1 **Engine Seal** The lower right engine through-bolt as viewed from the rear of the engine, to be sealed through a hole drilled into the rear iron as shown by the black dot below.



19.1.2 **Differential Seal** – The lower left bolt, and the adjacent bolt above on the left-hand side, as viewed from the rear of the differential.



19.2 Each Seal must remain in place for the duration of the Series and may only be removed by the TA.





ATTACHMENT A

Controlled Components

Controlled Component	Description
Wheel	Speedy Wheels Carbine Model (18" x 8" offset + 45 ET45) or Koya Wheels SF13 (18"x8" offset + 45 mm ET45)
Tyres	Hankook Ventus Z221 R Spec M Compound Size: 235/40x18
Exhaust System	As supplied by Authorised Supplier
Suspension	Shockworks Formula RX8 model shock absorbers/coil overs and springs
Air Intake	As supplied by <i>Authorised Supplier</i> using K&N filter part # RU3130 only





ATTACHMENT B

Optional Components

Optional Component	Description
Strengthened <i>OEM</i> differential clutch plate	2 plates per differential centre when using the <i>OEM</i> differential centre
Gearbox	Gearstick bushes Synchro saver
Convoluted rubber intake replacement	Silicone replacement from Authorised Supplier
Dash Unit	Microtech 3.5" Race Dash Unit AIM Mychron 5





ATTACHMENT C

Authorised Suppliers

Component	Authorised Supplier
Hankook Ventus Tyres	Gary's Motorsport Tyres 14 Holbeche Road, Arndell Park, NSW, 2148 0418 968 613
Speedy Wheels	
Koya Wheels	Nil
Michrotech Dash	INII
AIM Mychron 5 Dash	
Air Intake Gearstick bushes	S Sport Racing
	Hornsby Gearbox and Differentials
Gearbox modifications	Adam Brewzinski
	0408 736 778
Strengthened differential clutch plates	Hornsby Gearbox and Differentials Adam Brewzinski 0408 736 778 Rotary Motion 134 Australia Street, Newtown, NSW, 2042 Terry Lewis 0411 110 999
Convoluted rubber intake replacement	Roldo Engineering Roland Varga 0410 216 007
Exhaust	Rotary Motion 134 Australia Street, Newtown, NSW, 2042 Terry Lewis 0411 110 999
Suspension dampers and springs	Shockworks Chris O'Brien Chris.obrien@shockworks.com.au





ATTACHMENT D

Definitions

Authorised Series: A National Series authorised by Motorsport Australia.

Authorised Supplier: Supplier of Controlled Components and Optional Components authorised by the CM.

CA: Category Administrator for the Series appointed by the CM.

CM: Category Manager for the Series appointed by Motorsport Australia.

Competition Number: The number used to identify each *Automobile* and as displayed on the *Automobile* in accordance with the *Series* Sporting Regulations.

Controlled Component: A component listed in the Series Technical Regulations that must be fitted to an Automobile.

CRSR: Circuit Race Standing Regulations published by Motorsport Australia.

DSA: Driving Standards Advisor for the Series appointed by Motorsport Australia.

ECM: Electronic Control Module.

MRAA: Mazda Racing Association of Australia.

OEM: an original Australian delivered Mazda supplied component for the Mazda RX8 2003-2008 with manual transmission.

Optional Component: A component listed in the Series Technical Regulations that a Competitor may choose to fit to an Automobile.

Round: A round of the Series.

Series: The 2025 Formula RX8 Series.

TA: Technical Advisor for the Series appointed by the CM.