

Rally Cup BELUX

TECHNICAL REGULATION 2024



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GENERALITY

These technical regulations have been registered to the:

Royal Automobile Club de Belgique RACB Sport

Under the organizer's permit number: **T01-SMRC/B24 (01/03/2024)**

In the event of differences in the interpretation of these rules, only the french text will prevail.

These regulations are written in terms of authorisation; therefore, what is not expressly authorised hereinafter is prohibited. The reader must always bear in mind that no modifications are permitted unless they are expressly authorised by the documents listed below:

- 2024 Technical Regulations of the **Stellantis Motorsport Rally Cup BELUX**
- Appendices and additives to these technical regulations
- Assembly instructions and technical bulletins for the 208 Rally4 and Corsa Rally4
- Catalog of constituent parts of the Rally4 kit (base or options) of the 208 Rally4 and Corsa Rally4
- A5780 and A5781 homologation forms in accordance with appendix J of the international sporting code

The technical regulations and appendixes will be published on the website <https://stellantisrallycup.com/>, the assembly manuals, catalogs and technical bulletins on the **DAM** dedicated to the 208 Rally4 and Corsa Rally4.

Worn or damaged components may only be replaced with:

- Original Peugeot and Opel parts (for original and standard parts)
- Stellantis Motorsport part or Stellantis Motorsport option (for specific parts)

as defined, referenced by Stellantis Motorsport in the parts lists and catalogs that make up the kits for 208 Rally4 and Corsa Rally4.

All work on the vehicle must be carried out according to the repair methods defined by Peugeot and Opel for original parts or Stellantis Motorsport for specific parts, while remaining in compliance with these technical regulations.

Stellantis Motorsport reserves the right to modify the technical definition of the 208 Rally4 and Corsa Rally4 as well as the technical regulations of the **Stellantis Motorsport Rally Cup BELUX**.

Competitors will then be informed of these modifications by the publication of addenda to these regulations and/or modification of the specification sheet (spec-sheet) dedicated to the event concerned and/or publication on the DAM dedicated to the 208 Rally4 and Corsa Rally4.

Entrants are entirely responsible for the technical conformity their vehicle for the duration of **Stellantis Motorsport Rally Cup BELUX** qualifying events, from preliminary technical scrutineering until the publication of the official results.

ARTICLE 1 – DEFINITION & IDENTIFICATION OF ELIGIBLE VEHICLES

Vehicule type used

The **Stellantis Motorsport Rally Cup BELUX** is reserved for Peugeot 208 Rally4 and Opel Corsa Rally4 vehicles.

The assembly of 208 and Corsa Rally4 vehicles must be carried out exclusively using specific 208 Rally4 and Corsa Rally4 parts kits as well as 208 Rally4 and Corsa Rally4 options sold by Stellantis Motorsport and original parts corresponding to this car, in compliance with the assembly instructions and within the limits explained later in these regulations.

All parts external to the Peugeot 208 Rally4 and Opel Corsa Rally4 kits and options are prohibited (example: quick couplings, additional thermal protection, etc.).

The following parts are free in compliance with the rules of the national federation of the country where the event is held:

- Brake pedal cover
- Fixation of the bumpers to their mountings
- Trip master and mounting bracket
- Map light and mounting bracket
- Jack and bracket
- Cornering lights and mountings
- Second spare wheel mounting bracket
- Headlight ramp

The vehicle must comply with the RACB technical regulations as well as the FIA homologation form relating to the 208 Rally4 and the Corsa Rally4 including the latest up-to-date amendments for each round.

ARTICLE 2 – TECHNICAL SCRUTINEERING OPERATIONS

2.1 - Technical specification sheet (Spec-sheet)

At preliminary technical scrutineering, the entrant or his representative completes the specification sheet for the current round, the mandatory declarative fields concerning the mechanical and electronic components present on his vehicle.

The serial numbers entered in this document are registered as associated with the entrant's race number for the current round of the **Stellantis Motorsport Rally Cup BELUX**, from preliminary scrutineering to final scrutineering.

Any operation resulting in a modification of the components and/or numbers initially entered in this document can only be done after the agreement of the scrutineer.

This document - see e.g document in appendix section, signed by the entrant or his representative, must be given to technical scrutineer from the national federation of the country where the event is held, or to the technical representative of Stellantis Motorsport.

2.2 – Scrutineering check operations

At preliminary technical scrutineering, the scrutineers from the national federation of the country where the event is held will check the security components, identification elements and sealed parts as well as the compliance of the vehicle with these regulations. In this context they can be assisted by the Stellantis Motorsport technical representative.

The scrutineer(s) from the national federation of the country where the event is held may write remarks on the technical passport of the vehicle. These remarks must be addressed by the competitor for the preliminary technical checks of the following event.

The authorization to start the **Stellantis Motorsport Rally Cup BELUX** event given by the technical scrutineer of from the national federation of the country where the event is held or by the Stellantis Motorsport technical representative is not a sufficient condition of conformity for the continuation of the course of the event.

2.3 - Technical scrutineering operations

At any time during a **Stellantis Motorsport Rally Cup BELUX** round, technical checks may be carried out to verify that vehicles comply with these regulations. Accordingly, technical scrutineers may carry out any check or comparison, take any sample, or undertake any performance measurement concerning all or part of the car to ensure that its compliance to these regulations.

These checks will be carried out by the scrutineer from the national federation of the country where the event is held in accordance with the FIA sporting rules in force.

All costs resulting of these checks will remain the responsibility of the entrant without any possibility of financial participation from of Stellantis Motorsport or of the organizer of the **Stellantis Motorsport Rally Cup BELUX**.

ARTICLE 3 – INTEGRATED ROLL CAGE

Designation et definition

The bodyshell and its roll cage defined by Stellantis Motorsport and homologated by the FIA is the only one authorized. It must be possible to clearly identify the chassis via the chassis number plate welded to the roll cage.

Any modification of the roll cage is prohibited. Forbidden modifications include machining, reinforcement, welding or treatment of the cage which results in a permanent modification to the material used for the cage or to its construction.

Repairs to the roll cage are not permitted. Any bodyshell whose roll cage has been damaged would have to be replaced.

ARTICLE 4 – ENGINE, FUEL AND MAPPING

4.1 - Designation et definition

Engine and turbo of the 208 rally4 and Corsa Rally4 are those defined by Stellantis Motorsport and only sell by Racing Shop.

Any engine and turbo used to participate in the **Stellantis Motorsport Rally Cup BELUX** must have been assembled or overhauled, validated and sealed by Stellantis Motorsport through its technical partner Oreca Magny-Cours.

Neither Stellantis Motorsport nor his engine partner can be held responsible regarding the reliability or changes to the performance characteristics of an engine whose performance has been certified. No modifications other than those defined in the assembly instructions are authorized.

The engine serial number is the one entered in the specification sheet (spec-sheet) and registered as associated with the entrant's race number for the current round of the **Stellantis Motorsport Rally Cup BELUX**, from preliminary scrutineering to final ones.

Its replacement can only be made in the case of proven failure and after the scrutineer's agreement.

4.2 - Approval & Engine sealing

Identification

Any engine used to take part to the **Stellantis Motorsport Rally Cup BELUX** must present seals at the cylinder head cover and the oil sump as defined by Stellantis Motorsport and illustrated below:



Seal numbers must be those associated to the engine number present on the identification plate as provided by its technical partner Oreca Magny-Cours.

The presence and the perfect readability of the numbers on the seals/seals are the responsibility of the entrant.

4.3 – Turbocharger sealing

4.3.1 Identification

Any turbo used to take part to the **Stellantis Motorsport Rally Cup BELUX** must present a seal at the crankcase as defined by Stellantis Motorsport and illustrated below:



The seal number must be the one associated with the turbo number as provided by its technical partner Oreca Magny-Cours.

The presence and readability of the numbers on the seals/seals is the responsibility of the entrant.

4.3.2 Replacement

Replacement of the turbo assembly may only be carried out after scrutineer's agreement. Only the use of the turbo declared as "spare" in the specification sheet and presented during preliminary scrutineering is allowed.

A single turbocharger may be allocated to many competitors.

4.3.3 Flange / Air restrictor

Since January 1, 2021, the turbo of the 208 Rally4 and Corsa Rally4 must be equipped with a 30mm FIA flange (air restrictor) as defined by Stellantis Motorsport and sold by the racing shop. A seal must be present on the two fixing screws at each preliminary check.

In the event that the turbocharger does not have a seal in place, the scrutineer from the national federation of the country where the event is held will measure the internal diameter of the restrictor and proceed to affix a new seal.



4.4 – Seals

A scrutineer is free to affix seal(s) to any mechanical part(s).

In the event of an intervention which would require the removal of one or more seals, a request must be made to the scrutineer or the technical representative of Stellantis Motorsport so that he is able to supervise the operation and affix a new seal.

4.5 – Compliance

Seals are not a sufficient condition of conformity of the engine or its turbo. Thus, as part of the conformity checks, the performance of the engine and/or turbo may be checked as well as the dismantling of these.

An FIA seal is not valid during the events of the **Stellantis Motorsport Rally Cup BELUX**

NB: The Stellantis Motorsport sealing is not valid during FIA events.

4.6 - Maintenance

Any maintenance or overhaul operation on a 208 Rally4 and Corsa Rally4 engine cannot justify the removal of one of the 3 mandatory seals (oil sump, cylinder head cover, turbo housing) whether in the context of the race or outside.

If, within the framework of the race, a mechanical intervention necessitates the need to replace a seal, this can only be done with the authorization of a scrutineer.

Any removal of a seal during an event without authorization of the scrutineer and his attendance or, if that is not possible, a member of Stellantis Motorsport, will result in the exclusion of the competitor from that round of **Stellantis Motorsport Rally Cup BELUX**.

4.7 - Fuel

Only Lead-free 98- octane petrol complying with the specification of the BELGIAN RALLY CHAMPIONSHIP and provided by the official BRC supplier is compulsory. (see BRC Sporting Regulations and its annexes).

The use of any other fuel, even blended with the above type of fuel, or of an additive is expressively forbidden.

Entrants must take all necessary measures to ensure that a fuel sample at least three litres can be taken for the vehicle's tank at any time during an event for analysis purposes.

Samples will be taken and analysed in compliance with the procedure described in the general prescriptions of the national federation of the country where the event is held.

4.8 – Engine mapping

4.8.1 Mapping / Fuel

Only the engine mapping specified in the specification sheet drawn up by Stellantis Motorsport for 98-octane lead-free petrol is authorised.

4.8.2 Torque management system (TMS)

The use of the device allowing engine torque management through mapping defined by Stellantis Motorsport (see technical bulletins) is authorised.

The use of this device is not mandatory.

4.9 - Engine Control Unit & data logging

4.9.1 Engine Control Unit

Only the SRG 141 Magneti Marelli control unit defined and homologated for the 208 Rally4 and Corsa Rally4 by Stellantis Motorsport and marketed by Racing Shop is authorized. It must remain in its original location as described in the assembly instructions.

The ECU serial number is the one entered in the specification sheet (spec-sheet) and registered as associated to the competitor's race number for the current round of the **Stellantis Motorsport Rally Cup BELUX**, from preliminary scrutineering to scrutineering finals.

Its replacement can only be made in the case of proven failure and after the scrutineer's agreement and his attendance, or if that is not possible, a member of Stellantis Motorsport.

4.9.2 Data logging

Scrutineers must be able to connect to this control unit at any time during an event. By connecting to these control units, they are able to use stored data during conformity checks. It is the responsibility of the entrant to ensure that the ethernet connection and wiring remain in perfect working condition.

It is expressly forbidden to delete any data stored in the onboard control unit during a round of the **Stellantis Motorsport Rally Cup BELUX** (from preliminary technical checks to post-event scrutineering).

ARTICLE 5 - LUBRICANTS

Use of the following lubricants is mandatory:

- Engine oil: Total Quartz Ineo First 0w30 (Ref: PS97727A10)
- Power steering fluid: Total LDS (Ref: 1615099680)
- ELF HTX750 75W140 gearbox oil, reference 904895438A

Brake fluid and engine coolant are free.

ARTICLE 6 - TRANSMISSION

Only the final torque and ratios shown on the A5780 and A5781 homologation forms are authorised.

ARTICLE 7 – ELECTRICITY

All electrical equipment (power box, wiring harnesses, control unit, sensors, actuators, etc.) must be present, operational and in perfect working order at any times during an event.

ARTICLE 8 – SUSPENSION & BRAKING

8.1 Suspension

Adjustment of the car's suspension setting and geometry is authorised on the condition that only adjustable parts sold by Stellantis Motorsport for 208 Rally4 and Corsa Rally4 are used, in compliance with the specification sheet that covers the event in question and with the recommendations of Stellantis Motorsport.

Only dampers sold by Stellantis Motorsport for 208 Rally4 and Corsa Rally4 are authorized. No internal or external modification may be made, in compliance with the specification sheet that covers the event in question.

The front and rear anti-roll bars specified by the specification sheet for a particular type of surface, may be disconnected, or removed.

8.2 Brakes

Only pads listed in the spec sheet for a given surface and identified as "**Stellantis Cup**" are authorised.



ARTICLE 9 – TYRES

9.1. Tarmac rallies

Competitors may use a maximum number of registered tires for the whole of a rally, spare tyres(s) included:

- 8 tyres, for a one-day rally
- Maximum 10 tyres for a 2-day rally

The first 5 rain tyres must be declared but will not be counted in the quota. Tyres used during the shakedown, or qualifying stage if this is provided for in the Supplementary Regulations of the event, will not be included in the total quantity authorized for the rally. The quota of this regulation may be modified by the special regulation of the event.

All must be MICHELIN 19/63-17 type:

- Pilot Sport S10 (Soft)
- Pilot Sport M20 (Medium)
- Pilot Sport A MW1 (Wet)

Mixing is permitted. Re-cutting is permitted under the conditions set out in the BRC's sporting regulations. Only tyres purchased from Kronos Racing are permitted.

At any time during a rally, it must be possible to check the type of rubber'range used. It is allowed to hide the tyre's model, but it is expressly forbidden to erase it. The use of different types of tyres on the car at the same time are authorised.

The tires will be fitted with FIA barcodes which will be used for tire registration via the Tyrecard provided by the RACB. The entrant is solely responsible for the concordance between the barcode numbers written on his tyres card and those of the registered tyres. Barcodes should always be visible from outside the car.

The re-cutting of tyre's tread pattern is autorised under the conditions indicated in the BRC sporting regulations.

During all **Stellantis Motorsport Rally Cup BELUX** rounds, the use of surface treatment by chemicals, or mechanical action, or any other heating system (heating blankets for example) is prohibited.

ARTICLE 10 - WEIGHT

10.1 Minimum weight

The minimum weight of the 208 Rally4 and Corsa Rally4 is **1080kg**.

The minimum weight of the 208 Rally4 and Corsa Rally4 is the weight at any moment during an event, excluding the driver, co-driver, their helmets and Hans devices, including a single spare wheel, tools and spare parts carried inside the car, with the fuel tank and windscreen washer reservoir empty. Tools and spare parts carried inside the vehicle must be firmly fixed in place behind the driver and co-driver seats.

The minimum weight of 208 and Corsa Rally4 with the crew and their equipment on board is **1240 kg**.

Competitors must comply with these two points at any moment during the event.

10.2 Ballast

The weight of the vehicle may only be adjusted using weights defined by Stellantis Motorsport and sold by the Racing Shop:

Reference	Qty	Désignation (FR)	Designation (EN)
904654688A	1	PLAQUE LEST 5 KG	<i>Ballast Plate 5Kg</i>
904654708A	1	PLAQUE DE LEST 2.5KG	<i>Ballast Plate 2.5Kg</i>

The ballasts must be placed on the floor of the passenger compartment under the seats, as defined by Stellantis Motorsport, and securely fixed using 4x M10 screws (minimum quality 10.9) + washers + lock nuts.

The competitor must inform the scrutineer that the car is carrying ballast at preliminary technical checks.

ARTICLE 11 - EQUIPMENTS

11.1 Interior equipment

The use of a 330mm-diameter Sparco steering wheel or any other Sparco steering wheel is mandatory.

11.2 External equipment

The underbody protections from Gravel kit are authorized for tarmac use when they come from the Rally4 kit defined and homologated for the 208 Rally4 and Corsa Rally4 by Stellantis Motorsport and sold by Racing Shop.

11.3 Safety equipment

The following safety equipment are mandatory:

- Sparco Circuit QRT seat marketed in the 208 Rally4 and Corsa Rally4 kits
Or
- Sparco Circuit II QRT bucket seat marketed in the 208 Rally4 and Corsa Rally4 kits
Or
- Any other seat in the Sparco range except carbon or Kevlar versions.
- Sparco 6-point harness marketed in the 208 Rally4 and Corsa Rally4 kits
- Harness cutters marketed in the 208 Rally4 and Corsa Rally4 kits
- Automatic fire extinguisher, marketed in the 208 Rally4 and Corsa Rally4 kits.
- 2 kg manual fire extinguisher, marketed in the 208 Rally4 and Corsa Rally4 kits.

11.4 On-board automatic extinguishing system

11.4.1_ Manual extinguisher

The presence of the manual fire extinguisher as defined in the 208 rally4 and Corsa rally4 kit is compulsory, it is the responsibility of the entrant to ensure that it is in perfect working order, perfectly mounted and easily accessible by the crew.

11.4.2_ Automatic extinguisher

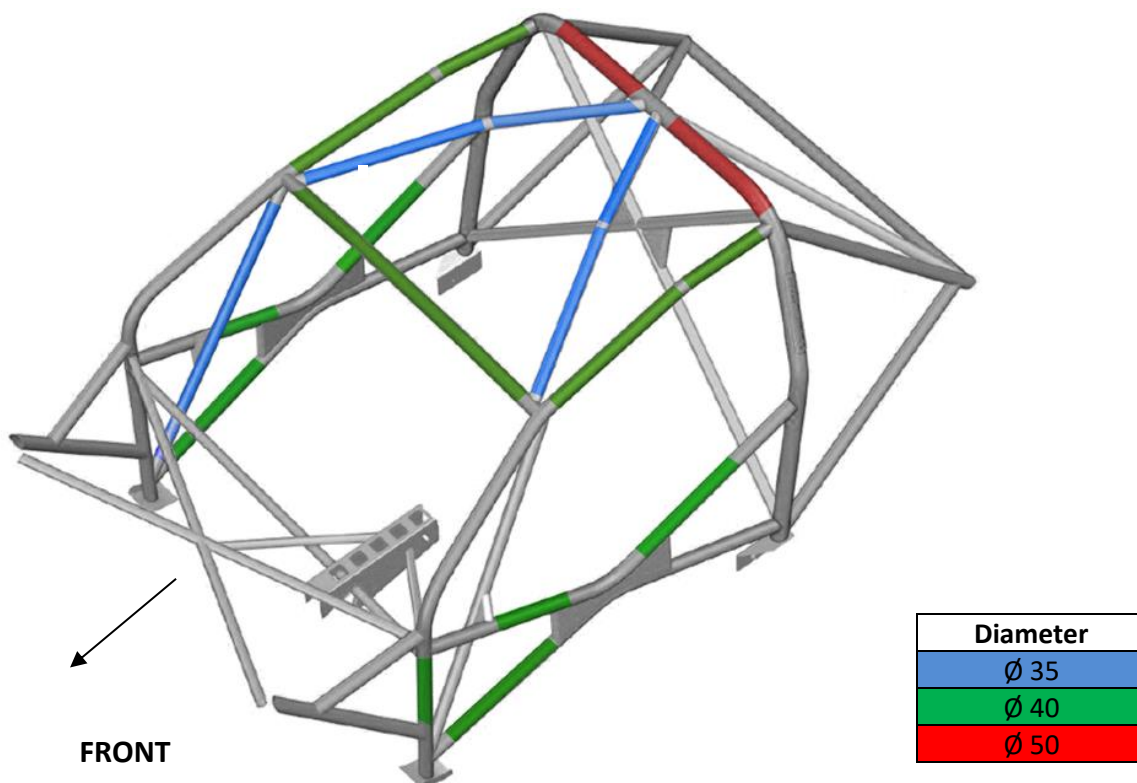
Only the automatic extinguishing system sold in the 208 Rally4 and Corsa Rally4 kits and homologated by the FIA is allowed. The layout of the fire extinguisher system must comply with the instructions specified in the manufacturer's manual.

The use of plastic "Rilsans" straps or plastic tie straps to fix nozzles is not permitted on their own. It is mandatory to fix all of the system's nozzles using mounting brackets 904467318B and 904467308B (or equivalent).

It is the responsibility of the entrant to ensure that the two circuits are in perfect working order, pressurized and that the start-up device is easily accessible by the crew in driving conditions, with tighten harnesses.

11.5 Protection of roll cage tubing underneath the roof

As part of the **Stellantis Motorsport Rally Cup BELUX**, Protective foam for the roll cage from FIA Technical List n°23 must be applied in compliance with the illustration diagram below.



All sleeves must be fixed in such a way that they cannot move in relation to the tube.


For this purpose, the following items can be acquired from the Racing Shop BELUX:

- Roll-bar FIA Foam Ø35 ----- reference 904613428A
- Roll-bar FIA Foam Ø40 ----- reference 219001-40
- Roll-bar FIA Foam Ø50 ----- reference 219001-50

11.6 Additional lights

The headlight ramp and cornering lights are free.

APPENDIXES (For illustration only)

		Rally Cup BELUX Specification sheet		2024 V1
Event:		Surface:	ASPHALTE	

CAR CONFIGURATION					
Bodysheel no.				Engine no.	
ECU NO.				BV NUMBER	
Motor seals	<u>Upper:</u>		<u>Lower:</u>	TURBO seals	<u>Housing:</u>
					<u>Restrictor:</u>
SPARE TURBO	No. of seals:				

CAR CONFIGURATION / APPROVED PARTS					
#	Category	Description	Reference	Mandatory	Not Allowed
A00	Bodysheel	Bodysheel	904630018_	Your choice	
			904674158_		
A10	Assembled engine	Assembled engine	904674028_	X	
		TOTAL Quartz Ineo First 0W30	PS97727A10		
A12	Hitch	Engine Flywheel	904630118D	X	
A26	Air intake	Air Filter	0A2664486B	X	
A36	Calculator	Cartography	Latest Official Update	Your choice	
		Torque Management System			
C234	Differential ramp	Set of diff ramps (27°/57°)	F90623711	Your choice	
		Set of diff ramps (42°/63°)			
C235	BV - Final Torque	Final pairing12/56	CPL125690620	X	
C71	Transmission	G transmission: D28 - 208	904661358B	Your choice	
		G Transmission: D26 - 208	904703128B		
		G Transmission: D26 - Corsa	904680108A		
E13	Front hub	AE28 stop ring	PS72555A10	X	X
		Point D support - ASPH	904639758A		
		Support Point D - EARTH	904639768A		
E14	Front suspension	Front shock absorbers - ASPHALTE	904640938B	X	
		Valving reference - ASPHALTE	FT011		
		Spring ASPH 45N/mm	1E1420808A	X	
		Spring ASPH 46N/mm	1E1420807A		
		Spring ASPH 51N/mm	1E1420806A	X	
		Spring ASPH 56.5N/mm	1E1420805A		
		Spring EARTH 31N/mm	904659378A	X	X
		Spring EARTH 35.5N/mm	1E1420810A		
Spring EARTH 40N/mm	1E1420809A	X	X		

#	Category	Description	Reference	Mandatory	Not Allowed
E21	Rear subframe	Rear subframe	904665338D		
E25	Rear suspension	Rear shock absorbers - TARMAC	904640968B		
		Valving reference - TARMAC	RT022		
		Rear Spring 40.5N.mm (Tarmac)	1E2521280A		
		Rear Spring 47N.mm (Tarmac)	1E2521278A		
		Rear Spring 52N.mm (Tarmac)	1E2521277A		
		Rear Spring 28N.m (Gravel)	904659388A		
		Rear Spring 32N.m (Gravel)	1E2521282A		
		Rear Spring 36N.m (Gravel)	1E2521281A		
E26	Rear anti-roll bar	Rear anti-roll bar Ø19	1E1664119C	One of them	
		Rear anti-roll bar Ø22	1E2664122C		
		Rear anti-roll bar Ø24	1E1664124C		
F11	Front brake disc	Front brake discs - Ø285x26	1F1120703B		
		Front right brake disc - Ø330x30	904669958A		
		Front left brake disc - Ø330x30	904669968A		
F21	Front brake caliper	Front right brake caliper	904667368_		
		Front left brake caliper	904667378_		
		Front brake pads MINTEX F4R	1F2121875A		
F40	Rear brakes	Rear brake caliper	904653278A		
		Rear brake discs - Ø290	904644488B		
		Rear brake pads TM Mix 1	904642108A	One of them	
		Rear brake pads TM Mix 2	904644498A		
F63	Brake circuit	Brake Master Cylinder Ø22.2	1655488880		
R5A	Rear view Mirrors	Side mirrors	All OEM models available for the 208	One of them	
T5B	Rest pad	Copilote foot rest	904624658C		
Z2C	Lamp pod	Lamp pod kit		FREE	

<u>Race N.</u>		<u>Entrant name or his representative</u>	
<u>Date</u>		<u>Signature</u>	

CONTACTS

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Regulations : <https://stellantisrallycup.com/>

Technical documents: available on DAM servers, contact technical support if needed.

TECHNICAL SUPPORT

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