

DURANGO



ZACATECAS



SAN MIGUEL DE ALLENDE



MORELIA



QUERÉTARO



CDMX



OAXACA



# Rulebook MINI Panam Challenge 2018



## ELIGIBLE CAR

MINI Cooper S OEM from 2016 to 2018 specifications:

The following MINI Cooper S Salt F56 OEM specifications will be used:

- Power: 192 hp @ 4700~6000 rpm
- Torque: 207 Lb. Ft @ 1250-4750 rpm (Overboost 221 Lb. Ft)
- Cylinders: Inline 4
- Compression: 11 to 1
- Valves per cylinder: 4
- Displacement: 1998 cc
- Induction: High precision direct fuel injection
- Turbo: Twin Scroll
- Turbo pressure: 14.69 Psi
- Valve Control: Dual Vanos & Valvetronic
- Motor Name: B48A20A
- Platform: UKL1
- Maximum speed: 235 km/h •0 to 10 km/h: 6.8 sec. Man --- 6.7 sec. Aut.
- Length: 3850 mm
- Width: 1727 mm
- Height: 1414 mm
- Distance between axis: 2495 mm
- Height to the floor: 124 mm
- Turning radius: 10.8 m
- Weight: 1235 kg
- Fuel capacity: 44 liters
- Drive: Front-wheel
- Manual transmission: 6-Speed Aisin GS6-59SG - TBFN
- Automatic transmission: 6-Speed Getrag with dual synchronizer cones
- Steering: Electric Power Steering (EPS) with variable speed
- Front suspension: McPherson
- Rear suspension: Multilink
- Front brakes: Ventilated discs 259 mm x 22 mm 2 Pistons
- Rear Brakes: Solid discs 259 mm x 10 mm
- Wheels: Aluminum 6.5 x 17

## COMPULSORY MODIFICATIONS

### Safety

All clauses set forth in section VIII of the La Carrera Panamericana rulebook shall be fulfilled. (VIII. SAFETY EQUIPMENT, page 49)

## OPTIONAL MODIFICATIONS PERMITTED

### Engine

All original engine components must be maintained without modifications.

It is allowed to change the intake air filter.

The exhaust system from the output of the turbo compressor is free.

The OEM fuel supply system and all its components must be maintained.

Intercooler replacement is allowed.

Is not allowed to remove any component of conditioned air

### Engine Electronics

It is allowed to reprogram the parameters of the ECU (engine control unit).

It is free to program the ECU with or without external and/or additional modules.

It is allowed to install accelerator pedal module

### Suspension

It is allowed to install camber plates.

It is allowed to replace shock absorbers and suspension springs for Coilover kits.

It is allowed to replace suspension wishbones with other materials as they are identical to OEMs

It is allowed

It is allowed to vary the height of the stabilizer bar rods

The height is free.

### Brake system

It is allowed to disconnect the ABS System

Brake hoses are allowed to be replaced by steel-woven hoses.

It is allowed to replace the brake discs with discs of maximum 335 mm diameter.

It is allowed to change the brake calipers for others with a maximum 4 pistons.

Cooling of the brakes is free.  
 Brake system fluid is free.  
 The friction material of the brake pads is free.

### **Transmission**

It is not allowed to change the gear ratio.  
 It is allowed to install a differential. block system  
 If the car has an automatic transmission, it is allowed to install an additional cooling system.

### **Tires and wheel rims**

The maximum measures of the wheels are:  
 Diameter: 17 inches  
 Width: 7.5 inches  
 Tread wear can't be lower than 40  
 The tires must feature the safety certification DOT (USA) and/or NOM (MEXICO).  
 The use of wheel spacers is allowed.  
 The installation of studs is allowed to replace wheel bolts.

### **Electric system**

It must be kept original including all its components (alternator, pulleys, etc)  
 It is allowed to freely relocate the battery.

### **Weight**

The minimum car weight without passengers and without the elements that are not part of the car and that are not fixed to the car weighed at any time during the event is 1200 Kg.

### **Body and Interior**

All OEM components of the body including the hood, front fenders, front and rear bumpers, side doors, sides, rear door, roof, windshield, door windows, side windows and rear windshield must be kept.

it is allowed tue use of John Cooper Works body kit

It is allowed to remove all the components from the interior of the car including door covers, loudspeakers, headliner, etc., and replace them with other components of different material including fiberglass, aluminum, plastic, etc.

The installation of a wing or rear spoiler is allowed.  
 The installation of an engine skid is allowed.

It is allowed to modify the lower part to install supports of external towers type rally

It is allowed to install a navigation system

It is allowed to install a monitoring engine system

THE REPLACEMENT AND/OR MODIFICATION OF ANY PART NOT LISTED IN THIS RULEBOOK BY ONE THAT IS NOT MINI OEM IS NOT ALLOWED.

ANY MODIFICATION NOT SPECIFIED IN THIS RULEBOOK THAT CHANGES THE VEHICLE'S DYNAMIC BEHAVIOR IS NOT ALLOWED.





*La Carrera Panamericana*

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