

2018



技术规则 补充规则  
**SUPPLEMENTARY REGULATION  
TO TECHNICAL REGULATIONS**



## **SUPPLEMENTARY REGULATION TO ARTICLE 274**

### **2018 FIA F4 TECHNICAL REGULATIONS**

#### **ARTICLE 1: DEFINITIONS**

FIA Appendix J Article 274 2018 Formula 4 Technical Regulations will be used to govern the race car specification of FIA F4 Chinese Championship.

##### **1.1 FIA F4 Chinese Championship**

Race cars are designed solely for speed races on circuit.

##### **1.2 Automobile Make**

Car manufacturer of the FIA F4 Chinese Championship is Mygale.

##### **1.3 Engine**

The engine is the complete engine as delivered by Geely.

##### **1.4 Spare Parts Catalogue**

The Spare Parts Catalogue is the catalogue of the parts necessary to build the automobile (See Appendix 1).

##### **1.5 User Manual**

The User Manual is the manual to be followed for the correct assembly and maintenance of the car (See Appendix2).

#### **ARTICLE 2: REGULATIONS**

##### **2.1 Role of FIA**

The Appendix J Article 274 Technical Regulations for Formula 4 cars are issued by FIA and will be adopted in full by F4 Chinese championship events; any overriding factor will be listed out within the following Regulations.

##### **2.2 Name of Single Supplier Parts:**

Geely/Mygale will supply engine using Magneti Marelli SRAE 08381416500 ECU and install the bell housing, space frame, and brackets to form a complete engine.

Data logging system is using EVO4 AIM and independent of the ECU.

Sadev SL75-14 LW F4 Gearbox will be used.

Sachs non-adjustable suspension dampers will be used.

Mygale/Team Dynamics Rims will be used.

MITIME will be the sole supplier of all parts for the F4 cars during all events of the championship.

##### **2.3 Duty of the Car Manufacturer**

###### **2.3.1 Marks**

Mygale/MITIME will engrave selected mechanical parts listed in the Spare Parts Catalogue with a specific mark. The absence of the mark on these parts will be considered as a breach of the Technical Regulations.

###### **2.3.2 Holograms**

Mygale/MITIME will apply one or more hologram stickers on the parts listed in Spare Parts Catalogue. The absence of the hologram stickers on these parts will be considered as a breach of the Technical Regulations.

##### **2.4 Tires**

Manufacturer

The approved tire manufacturer for the Championship events is KUMHO.

Dimension-dry weather:

Front: 180 / 530 R13 Rear: 230 / 570 R13

Dimension -wet weather:

Front: 180 / 530 R13 Rear: 230 / 570 R13

## **2.5 Camera and Timing Transponder**

### **2.5.1 Mounting of Cameras**

The organizers reserve the right to mount onboard camera(s) in any position they deem necessary.

### **2.5.2 On Board Camera Recording Footage**

All footage from on board camera(s) can be used by officials in order to investigate driver conduct or any other incident related to drivers' infringement of rules.

### **2.5.3 Nothing is allowed to mount and or fit on to the body or structure of the race car without the prior approval of the Chief Scrutineer in writing.**

### **2.5.4 Footage Rights**

The organizers assume all the rights of all video recordings during all events of the championship.

### **2.5.5 Transponder**

All cars will be fitted with a timing transponder supplied by the official timekeepers of the event at the location specified.

## **2.6 ELECTRICAL SYSTEMS CONTROL**

### **2.6.1 Software and Electronics Inspection.**

The Technical Delegate is authorized to test the operation and inspect or down load data of any compulsory electronic system at any time during an event.

### **2.6.2 Control Electronics.**

All components and units may not be disassembled or modified in any way. The ECU may only be used with its specific software; only allow connect the control system wiring, sensors and actuators in a manner specified in the user manual. The sole use of the genuine sensors, actuators and data monitoring sensors listed in the user manual and /or spare parts catalogue is mandatory.

### **2.6.3 Data Acquisition**

The sole use of the genuine data acquisition system and sensors listed in user manual is mandatory.

### **2.6.4 Driver Controls and Displays**

It is mandatory to use only the genuine electronic modules used for driver information displays and switch inputs listed in user manual.

## **2.7 DUTY OF COMPETITOR**

### **2.7.1 It is the duty of all Competitors to satisfy the Technical Delegate and the Stewards of the Meeting that their race cars complies with these regulations in their entirety at all times during an Event.**

### **2.7.2 All competitors have the responsibility to ensure that the marks and/or the hologram stickers remain visible and unharmed. If marks and/or hologram stickers are damaged and/or not visible, it will be considered a breach of the Technical Regulations.**

## **ARTICLE 3: BODYWORK AND DIMENSIONS**

The sole use of the genuine bodywork parts as listed in the Spare Parts Catalogue is mandatory.

### **3.1 Measurements**

All measurements related to any part of car must refer to User Manual of the FIA China F4 Championship.

### **3.2 Skid Block**

Refer to the User Manual of the FIA China F4 Championship. The minimum thickness of skid block is 3 mm measured in three different points with relative distance between them of 100 mm.

## **ARTICLE 4: WEIGHT**

### **4.1 Minimum Weight**

The minimum weight of the car must be 537 kg.

### **4.2 Racing Weight**

The racing weight of the car must not be less than 630 kg with driver on board when report to Technical Delegate immediately after taking the checked flag.

### **4.3 Adding during the Qualifying or Race**

The adding to the car during qualifying or the races of any liquid or other material whatsoever or the replacement during qualifying or the races of any part with another materially heavier is forbidden.

### **4.4 Lead Ballast**

Lead ballast may be used provided it is fitted in the specific location created for this purpose as specification in the user manual and it is fixed in such a way that tools are required for its removal. It must be possible to fix seals if required by the Technical Delegate.

## **ARTICLE 5: ENGINE**

### **5.1 Type of Engine Permitted**

The only approved engine is: Geely JLD-4G20- F4

### **5.2 Engine Servicing**

The only work which may be carried out on the engine is that necessary for its normal serving.

### **5.3 Control of Engine**

No other parts other than those listed in the Spare Parts Catalogue will be allowed as replacement part(s) for the engine supplied.

## **ARTICLE 6: OIL SYSTEM**

### **6.1 Oil Replenishment**

No oil replenishment is allowed during the qualifying session and races.

### **6.2 Approved Lubricants**

Engine/gear box and brake oil must be from the Promoter.

## **ARTICLE 7: ELECTRICAL SYSTEMS**

### **7.1 Software and Electronics Inspection**

The Technical Delegate must be able to test the operation and the data of any compulsory electronic system at any time during an event. Teams are not allowed to access any data from the car before the Technical Delegate completed data download and release the car officially of any session during the event.

## **7.2 Data Acquisition**

Data logging system is using EVO4 AIM and independent of the ECU.

## **7.3 Control Electronics**

The ECU may only be used with its specific software and may only be connected to the control system wiring, the sole use of the genuine sensors, actuators and data monitoring sensors listed in User Manual and/or Spare Parts Catalogue is mandatory. All components and units may not be disassembled or modified in any way.

## **7.4 Starting the Engine**

A supplementary battery temporarily connected to the car may be used to start the engine on the grid and in the pits.

## **ARTICLE 8: TRANSMISSION**

### **8.1 Type of Gearbox**

Sadev SL75-14 LW F4 with six forward and one reverse gear sequential gearbox will be used. The driver when seated in the car and at the request of the Technical Delegate, must be able to demonstrate that the reverse gear is operational. No other parts other than those listed in the Spare Parts Catalogue will be allowed as replacement part(s) for the Sadev SL75-14 LW F4 supplied

### **8.2 Final Drive**

Only the genuine final drive and mechanical limited slip differential listed in User Manual and/or Spare Parts Catalogue is allowed.

## **ARTICLE 9: SUPENSION AND STEERING**

### **9.1 Suspension Members**

Only the genuine suspension elements listed in the User Manual and/or Spare Parts Catalogue is allowed and their assembly and installation must be done according to the User Manual.

### **9.2 Steering**

Only the genuine steering system elements listed in the User Manual and/or Spare Parts Catalogue is allowed. All elements belonging to the steering system must be mounted according the User Manual.

## **ARTICLE 10: BRAKES SYSTEM**

10.1 All components related to the brake system used must be the genuine parts listed in User Manual and /or Spare Parts Catalogue. The assembly of these parts must be done according to the User Manual.

## **ARTICLE 11: WHEELS AND TIRES**

### **11.1 Dimensions**

Front wheel width: 9.0 inches. Front wheel diameter: 13.0 inches.

Rear wheel width: 10.5 inches. Rear wheel diameter: 13.0 inches.

### **11.2 Wheel Attachment**

Only the genuine wheel retainer system listed in User Manual and/or Spare Parts Catalogue is mandatory. The system to retain the wheels must be effective at all time during the event.

### **11.3 Pressure Control Valves**

Pressure control valves on the wheels are forbidden.

### **11.4 It is permitted to inflate tires with nitrogen.**

**ARTICLE 12: TIMING TRANSPONDER**

All cars will be fitted with a timing transponder supplied by the official timekeepers appointed by the organizer. All transponder must be mounted at location specified by the official timekeepers.

**ARTICLE 13: FINAL TEXT**

The final text for these regulations shall be the Chinese version which will be used should any dispute arise. The specific User Manual, Spare Parts Catalogue and Appendix published by the car manufacturer - Mygale and engine supplier - Geely will form part of these technical regulations.



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