

2012

Wurz/Lapierre (Toyota TS030 Hybrid/Michelin)

2015

Lotterer/Tréluyer/Fässler (Audi R18 e-tron quattro/Michelin)

2014

Buemi/Davidson (Toyota TS040 Hybrid/Michelin)

2015

Bernhard/Hartley/Webber (Porsche 919 Hybrid/Michelin)

2016

Bernhard/Hartley/Webber (Porsche 919 Hybrid/Michelin)

2017

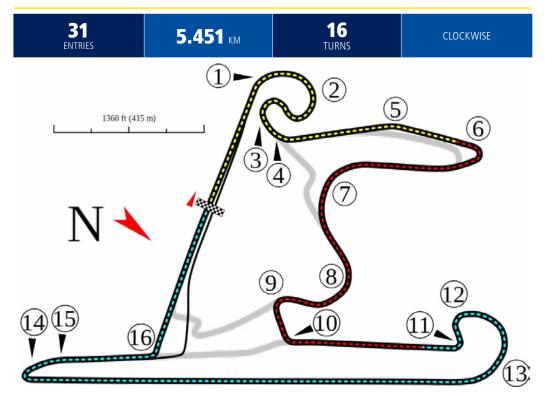
Buemi/Davidson/Nakajima (Toyota TS050 Hybrid/Michelin)

2016Conway/Kobayashi/Lopez (Toyota TS050 Hybrid/Michelin)

Lap record:

Kamui Kobayashi (Toyota TS050 Hybrid/Michelin), 1m42.526s (2017)

THE CIRCUIT



- » Situated in northwest Shanghai's Jiading district
- » Build on former marshland
- » Features a blend of straights and tightening

THE 2018 RACE

- Winners: Conway/Kobayashi/Lopez (Toyota TS050 Hybrid/Michelin), 113 laps
- » Pole position: Conway/Kobayashi/Lopez (Toyota TS050 Hybrid/Michelin), 1m42.931s
- » Fastest race lap: Kazuki Nakajima (Toyota TS050 Hybrid/Michelin), 2m1.381s
- Top speed: André Lotterer and Thomas Laurent (Rebellion R13/Michelin), 309.5kph
- » A 1-2 for Toyota/Michelin in pouring rain
- » Michelin's 50th LMGTE Pro win, thanks to Aston
- » A 1-2-3 finish for Porsche/Michelin in LMGTE Am

| FR | RIDAY, NOVEMBER 8 | |
|------------|-------------------|------------|
| 11:00am | Free Practice 1 | 90 minutes |
| 3:30pm | Free Practice 2 | 90 minutes |
| SAT | URDAY, NOVEMBER | 9 |
| 9:50am | Free Practice 3 | 60 minutes |
| 2:00pm | LM GTE Qualifying | 20 minutes |
| 2:30pm | LMP Qualifying | 20 minutes |
| SUI | NDAY, NOVEMBER 1 | 0 |
| 12:00 noon | 4 Hours of Sha | nghai |
| | | |

THE 2019 4 HOURS OF **SHANGHAI**

- » Season 8's second Asian round
- » Season 8's second four-hour race
- » Support race: Porsche Carrera Cup Asia







PIERRE ALVES

Endurance Programme Manager, Michelin Motorsport

"Shanghai is very hard on tyres because of its abrasive surface which speeds up wear and doesn't help consistency. That said, our current range coped rather well with the challenge of Silverstone and we expect our tyres will deliver the necessary durability all the way to the finish. Our technical team will be on hand to provide our partners with the most judicious advice possible. The weather can be pretty fickle in Shanghai at this time of year, so let's hope we get a good race."



MICHELIN TYRES

28 OF THE 31 CARS ON MICHELIN TYRES



SLICK SOFT-MEDIUM-HARD

HYBRID

MICHELIN PILOT SPORT ENDURANCE TYRESFOR THE 2019 4 HOURS OF SHANGHAI

| | SLICKS | INTERMEDIATES | WET |
|------------|--|-----------------------------------|-----------------------------------|
| | Medium, Hard | INTERMEDIATES | WEI |
| LM P1 | 31/71-18 | 31/71-18 | 31/71-18 |
| | SLICKS Medium, Hard | INTERMEDIATES | WET |
| LM P2 | Front: 30/68-18 Rear: 31/71-18 | Front: 30/68-18 Rear: 31/71-18 | Front: 30/68-18 Rear: 31/71-18 |
| | SLICKS Medium, Hard | INTERMEDIATES | WET |
| LM GTE PRO | Front: 30/68-18 Rear: 31/71-18 | Front: 30/68-18 Rear: 31/71-18 | Front: 30/68-18 Rear: 31/71-18 |
| | SLICKS Medium, Hard (Ferrari: soft and medium) | INTERMEDIATES | WET |
| LM GTE AM | Front: 30/68-18 Rear: 31/71-18 | Front: 30/68-18 Rear: 31/71-18 | Front: 30/68-18 Rear: 31/71-18 |

WIDTH (CM) / EXTERIOR DIAMETER (CM) X INTERIOR DIAMETER (INCHES).



WET

ALLOCATION (MICHELIN PILOT SPORT ENDURANCE SLICKS) PER CAR FOR THE 2019 4 HOURS OF SHANGHAI

| | Free Practice | Qualifying + Race |
|------------|---------------|-------------------|
| LM P1 | 12 tyres | 14 tyres |
| LM P2 | 12 tyres | 14 tyres |
| LM GTE PRO | 12 tyres | 14 tyres |
| LM GTE AM | 16 tyres | 22 tyres |







MICHELIN AND ENDURANCE RACING IN CHINA

- » Shanghai has featured on the calendar since the FIA WEC's creation in 2012
- » Michelin has won the 6 Hours of Shanghai with Toyota, Porsche and Audi
- » In 2010 and 2011, Peugeot and Michelin won the 6 Hours of Zhuhai (International Le Mans Cup)
- » In 2013, KCMG/Michelin became the first Chinese team to enter the Le Mans 24 Hours
- » In 2008, Cong Fu Cheng became the first Chinese driver to take part in the Le Mans 24 Hours in a Pescarolo/Michelin
- » Michelin is the exclusive tyre supplier to the Asian Le Mans Series
- » The opening round of the 2019/2020 ALMS will take place at Shanghai Circuit on November 22-24



SHANGHAI TRIVIA

- » Shanghai is the world's sixth biggest city (population: 24 million).
- » More than 70 million people live in the greater Shanghai region
- » Shanghai is known as the Pearl of the Orient
- » The Yu Garden, Bund, Pudong, Nanjing Donglu are big Shanghai attractions
- » Shanghai Tower (632 metres/128 floors) is China's tallest building
- » Shanghai officially boasts 163 skyscrapers that are more than 150 metres tall, and a further 23 are being built
- » Shanghai became the world's busiest trading port in 2010



















ENTRY LIST 2019 4 HOURS OF SHANGHAI

LM P1

REBELLION RACING • REBELLION R13 - GIBSON N°1 **SENNA/MENEZES/NATO**

TEAM LNT • GINETTA G60-AFR KING/ORUDHZEV/HANLEY

TEAM LNT • GINETTA G60-AFR N°6 ROBERTSON/SIMPSON/SMITH

TOYOTA GAZOO RACING • TOYOTA TS050 - HYBRID N°7 CONWAY/KOBAYASHI/LOPEZ

TOYOTA GAZOO RACING • TOYOTA TS050 - HYBRID

BUEMI/NAKAJIMA/HARTLEY



LM GTE PRO

AF CORSE • FERRARI 488 GTE EVO N°51 **CALADO/PIER GUIDI**



AF CORSE • FERRARI 488 GTF EVO N°71

N°91

N°92

RIGON/MOLINA



BRUNI/LIETZ

PORSCHE GT TEAM • PORSCHE 911 RSR-19 **CHRISTENSEN/ESTRE**



ASTON MARTIN RACING • ASTON MARTIN VANTAGE AMR N°95

PORSCHE GT TEAM • PORSCHE 911 RSR-19

SORENSEN/THIIM



ASTON MARTIN RACING • ASTON MARTIN VANTAGE AMR

LYNN/MARTIN



N°77



LM P2

UNITED AUTOSPORTS • ORECA07-GIBSON N°22 HANSON/ALBUQUERQUE/DI RESTA



RACING TEAM NEDERLAND • ORECA 07 - GIBSON N°29 **VAN EERD/VAN DER GARDE/DE VRIES**



HIGH CLASS RACING • ORECA07-GIBSON PATTERSON/YAMASHITA/FJORDBACH

SIGNATECH ALPINE ELF • ALPINE A470-GIBSON N°36 LAURENT/NEGRAO/RAGUES



JACKIE CHAN DC RACING • ORECA07-GIBSON N°37

TUNG/AUBRY/STEVENS

JOTA • ORECA 07 - GIBSON N°38 **GONZALEZ/DA COSTA/DAVIDSON**

COOL RACING • ORECA 07 - GIBSON N°42 LAPIERRE/BORGA/COIGNY



CETILAR RACING • DALLARAP217-GIBSON LACORTE/BELICCHI/SERNAGIOTTO



LM GTE AM

AF CORSE • FERRARI 488 GTE EVO N°54 FLOHR/CASTELLACCI/FISICHELLA



TEAM PROJECT 1 • PORSCHE 911 RSR N°56





TEAM PROJECT 1 • PORSCHE 911 RSR N°57 **KEATING/TEN WOORD/BLEEKEMOLEN**



RED RIVER SPORT • FERRARI 488 GTE EVO GRIMES/MOWLEN/HOLLINGS



MR RACING • FERRARI 488 GTE N°70 ISHIKAWA/BERETTA/COZZOLINO

RIED/CAMPBELL/PERA



DEMPSEY-PROTON RACING • PORSCHE 911 RSR



PROTON COMPETITION • PORSCHE 911 RSR



PRETTE/PRETTE/ABRIL



AF CORSE . FERRARI 488 GTE EVO N°83 PERRODO/COLLARD/NIELSEN



GULF RACING • PORSCHE 911 RSR N°86 WAINWRIGHT/WATSON/BARKER



DEMPSEY-PROTON RACING • PORSCHE 911 RSR N°88



PREINING/TBA/TBA



TF SPORT • ASTON MARTIN VANTAGE N°90

YOLUC/EASTWOOD/ADAM



ASTON MARTIN RACING • ASTON MARTIN VANTAGE **DALLA LANA/TURNER/GUNN**









STANDINGS

| ı ra | P1 CHAMPIONSHIP | ı | | • | *) | | | | П | | TOTAL |
|-----------------|---------------------|----------|------|------|-------|-------|------|-------|-------|----------|-------|
| | | | 1/09 | 6/10 | 10/11 | 14/12 | 1/02 | 20/03 | 25/04 | 13-14/07 | |
| 1st | TOYOTA GAZOO RACING | MICHELIN | 26 | 26 | | | | | | | 52 |
| 2 nd | REBELLION RACING | MICHELIN | 2 | 15 | | | | | | | 17 |
| 3 rd | TEAM LNT | MICHELIN | 15 | 2 | | | | | | | 17 |
| | | ' | | | | | | ***** | | | |
| | P DRIVERS | | | | *1 | | | | | | TOTAL |
| | | | 1/09 | 6/10 | 10/11 | 14/12 | 1/02 | 20/03 | 25/04 | 13-14/07 | |
| 1st | JOSE MARIA LOPEZ | MICHELIN | 26 | 18 | | | | | | | 44 |
| 1st | KAMUI KOBAYASHI | MICHELIN | 26 | 18 | | | | | | | 44 |
| 1st | MIKE CONWAY | MICHELIN | 26 | 18 | | | | | | | 44 |
| 2 nd | BRENDON HARTLEY | MICHELIN | 18 | 26 | | | | | | | 44 |
| 2 nd | KAZUKI NAKAJIMA | MICHELIN | 18 | 26 | | | | | | | 44 |
| 2 nd | SÉBASTIEN BUEMI | MICHELIN | 18 | 26 | | | | | | | 44 |
| 3 rd | FRITS VAN EERD | MICHELIN | 8 | 12 | | | | | | | 20 |
| 3 rd | GIEDO VAN DER GARDE | MICHELIN | 8 | 12 | | | | | | | 20 |
| 3 rd | CHARLIE ROBERTSON | MICHELIN | 15 | 2 | | | | | | | 17 |

| LNT | P2 CHAMPIONSHIP | 1/09 | | | | 13-14/07 | |
|-----------------|-----------------------|------|----|--|--|----------|----|
| 1st | RACING TEAM NEDERLAND | 16 | 25 | | | | 41 |
| 2 nd | COOL RACING | 25 | 10 | | | | 35 |
| 3 rd | JACKIE CHAN DC RACING | 12 | 19 | | | | 31 |

| | | | • | | | | | | | TOTAL |
|-----------------|---------------------|------|------|-------|-------|------|-------|-------|----------|-------|
| | | 1/09 | 6/10 | 10/11 | 14/12 | 1/02 | 20/03 | 25/04 | 13-14/07 | |
| 1st | FRITS VAN EERD | 16 | 25 | | | | | | | 41 |
| 1st | GIEDO VAN DER GARDE | 16 | 25 | | | | ĺ | | | 41 |
| 2 nd | ANTONIN BORGA | 25 | 10 | | | | | | | 35 |
| 2 nd | NICOLAS LAPIERRE | 25 | 10 | | | | | | | 35 |
| 3 rd | GABRIEL AUBRY | 12 | 19 | | | | | | | 31 |
| 3 rd | HO-PIN TUNG | 12 | 19 | | | | | | | 31 |
| 3 rd | WILL STEVENS | 12 | 19 | | | | | | | 31 |







STANDINGS

| | 1 | - | | | | | | | | | ' |
|-----------------|---------------------|----------|------|------|-------|-------|------|-------|-------|----------|-------|
| CT | E CHAMPIONSHIP | | | | | | | | | ш | TOTAL |
| | | | 1/09 | 6/10 | 10/11 | 14/12 | 1/02 | 20/03 | 25/04 | 13-14/07 | |
| 1st | PORSCHE | MICHELIN | 43 | 27 | | | | | | | 70 |
| 2 nd | ASTON MARTIN | MICHELIN | 25 | 40 | | | | | | | 65 |
| 3 rd | FERRARI | MICHELIN | 21 | 22 | | | | | | | 43 |
| | | 1 1 | | • | *[: | | | | | | TOTAL |
| GIL | E DRIVERS | | 1/09 | 6/10 | 10/11 | | | | | 13-14/07 | IOIAL |
| 1st | KEVIN ESTRE | MICHELIN | 18 | 18 | | | | | | | 36 |
| 1st | MICHAEL CHRISTENSEN | MICHELIN | 18 | 18 | | | | | | | 36 |
| 2 nd | MARCO SØRENSEN | MICHELIN | 10 | 25 | | | | | | | 35 |
| 2 nd | NICKI THIIM | MICHELIN | 10 | 25 | | | | | | | 35 |
| 3 rd | GIANMARIA BRUNI | MICHELIN | 25 | 9 | | | | | | | 34 |
| 3 rd | RICHARD LIETZ | MICHELIN | 25 | 9 | | | | | | | 34 |
| | | | | | | | | | | | |
| | T | | | 1 | 1 | | | 1 | | | 1 |
| | E AM CHAMPIONSHIP | | | | | | | | | | TOTAL |
| | AM CHAMPIONSHIP | | 1/09 | 6/10 | 10/11 | 14/12 | 1/02 | 20/03 | 25/04 | 13-14/07 | |
| 1st | AF CORSE | MICHELIN | 25 | 18 | | | | | | | 43 |
| 2 nd | TF SPORT | MICHELIN | 7 | 26 | | | | | | | 33 |
| 3 rd | MR RACING | MICHELIN | 15 | 12 | | | | | | | 27 |
| | · | | | _ | _ | | | _ | | | |
| | E AM DRIVERS | | | | *1 | | | | | | TOTAL |
| | - AIVI DRIVERS | | 1/09 | 6/10 | 10/11 | 14/12 | 1/02 | 20/03 | 25/04 | 13-14/07 | |
| 1st | EMMANUEL COLLARD | MICHELIN | 25 | 18 | | | | | | | 43 |
| 1 st | FRANÇOIS PERRODO | MICHELIN | 25 | 18 | | | | | | | 43 |
| 1st | NICKLAS NIELSEN | MICHELIN | 25 | 18 | | | | | | | 43 |
| | | | | 1 | | | | | | | |

MICHELIN

MICHELIN

MICHELIN

MICHELIN

MICHELIN

MICHELIN

26

26

26

12

12

12

7

7

15

15

15



2nd

2nd

2nd

3rd

 3^{rd}

3rd

CHARLES EASTWOOD

MOTOAKI ISHIKAWA

OLIVIER BERETTA

JONATHAN ADAM

SALIH YOLUC

KEI COZZOLINO



33

33

27

27

27

33



EXTRACTS FROM THE FIA WEC SPORTING REGULATIONS

Two drivers from each crew must set at least one timed lap during qualifying. The average of the two best lap time times (the best of each driver) will serve as the reference time for establishing the grid (except Le Mans). If two or more crews set identical average times, priority is given to the one who set it first.

For the LMP2 category, one of the two timed laps used for the establishment of the grid must be completed by a Silver or Bronze driver.

For the LMGTE Am category, one of the two timed laps used for the establishment of the grid must be completed by a Bronze driver.

Races start after a formation lap.

To be classified, a car must cross the finish line must have covered at least 70% of the distance covered by the car classified in first place in the overall classification.

POINTS-SCORING SYSTEM 4-HOUR RACES

1st - 25 points

2nd - 18 points

3rd - 15 points

4th - 12 points

5th - 10 points

6th - 8 points

7th - 6 points

8th - 4 points

9th - 2 points

10th - 1 point

+10th - 0.5 point

Pole position: +1 point **Drivers and Manufacturers**

For all the above classifications, an additional point will be awarded, at each Competition, to the «pole position» team in each category (best time achieved by the car in each category during qualifying with the exception of additional cars), as well as to all the drivers making up the crew of the car concerned.



6.5 TYRES

6.5.1 Definitions and general conditions

Each tyre must be identified by RFID and barcode. All references must be declared to the Technical Delegate at least 48 hours before the start of the Competition. This list of designated tyres will be notified to the Stewards at the beginning of the Competition.

All tyres must be identifiable at any time (including when tyres are fitted on the car) via direct measurement by the RFID detection system put in place by the FIA. This includes automatic and manual detection. When tyres are fitted on the car, RFID must be on the outer side of

Only in case of malfunction of the RFID system, manual measurement will be handled via barcode identification.

The use of undeclared tyres is prohibited in all Competitions of the Championship.

To allow automatic detection, each car must be equipped with RFID stickers according to Appendix 6. These stickers must be in place at all times during the Competition.

6.5.2 Dry-weather tyres: **Declaration of specifications** for the season

Tyre manufacturers may declare to the FIA/ACO a maximum of 3 tyre specifications per season, which will be frozen for the duration of the season. 2 of them must be declared at least 48 hours before the first Competition of the season.

Specifications break down as follows:

- LMP1 H, LMGTE Pro, LMGTE Am: 3 specifications per car model
- LMP1 NH, LMP2: 3 specifications for all models of cars entered in the category.

6.5.3 Dry-weather tyres: **Declaration of specifications** for the Competition

At the latest 48 hours before the beginning of any given Competition, tyre manufacturers must declare to the Technical Delegate 2 (or 3 if applicable) of the tyre specifications described in Article 6.5.2) to be used by Competitors during the Competition, to the exclusion of any other.

Tyre specifications are limited to 2 for Competitions comprising a race of 12 hours or less and to 3 for Competitions comprising a race of more than 12 hours.

6.5.5 Dry-weather tyres: collection and reintroduction (LMP1 H, LMP1 NH and LMGTE Pro only)

Collection:

30 At the latest the day before the beginning of the first Competition, the Technical Delegate will segregate tyres per specification and per car model which will have to be reintroduced in all the following Competitions of the Championship.

Segregation will proceed as follows:

For the first 2 specifications declared before the first Competition of the season:

- Segregation of 1 set* of tyres per specification per car model and per Competition comprising a race of 6 hours (or less)
- Segregation of 2 sets* of tyres per specification per car model and per Competition comprising a race of 6 hours or greater but less than 24 hours.
- Segregation of 3 sets* of tyres per specification per car model and per Competition comprising a race of 24
 - A set of tyres is a set of 4 tyres made up of 2 front tyres and 2 rear tyres.















If the third specification is declared at the same time as the first two, it will be part of the segregation process described above. After segregation, the Technical Delegate will communicate to the tyre manufacturer the full list of segregated tyres for the full season.

If the third specification is declared after the first Competition, the same segregation process will be applied taking into account the number of Competitions remaining in the season.

After segregation, the Technical Delegate will communicate to the tyre manufacturer an update of the list of segregated tyres.

Tyres to be reintroduced must not be part of the references declared by tyre manufacturers to the Technical Delegates before each Competition.

Réintroduction:

From the second race Competition, at the latest 24 hours before the start of the race, the Technical Delegate will transmit to the Competitors and tyre manufacturers the list of tyres for re-allocation, mentioning the number of the car on which each tyre is to be used. This list will be notified to the Stewards.

Each Competitor is responsible for the reintroduction of tyres, and must do so in compliance with these regulations.

Each tyre must be reintroduced on the first use of new tyres of the specification concerned during the race.

6.5.6 Wet-weather tyres: declaration of specifications for the season

Tyre manufactures must declare wetweather tyre specifications as listed below. Any specification will be frozen for the season and must be declared to the Technical Delegate at the latest 48 hours before the first Competition of the season. A drawing of the declared specifications must be sent with the declaration (digital format and on 1:1 scale tracing paper).

- LMP1 H: 1 intermediate and 2 wet specifications per car model
- LMP1 NH: 1 intermediate and 2 wet specifications for all models of cars entered in the category
- LMP2: 1 intermediate and 1 wet specification for all models of cars entered in the category
- LMGTE Pro / LMGTE Am: 1 intermediate and 1 wet specification per car model

6.5.7 Wet-weather tyres: declaration of specifications for the Competitions

The number of wet-weather tyre specifications usable during a Competition is not limited, subject to the provisions of Article 6.5.6

6.5.8 Wet-weather tyres: allocation

Unless specifically authorised in the present Regulations, wet-weather tyres may be used only after the track has been declared wet by the Clerk of the Course / Race Director.

The number of wet-weather t tyres usable during a Competition is not limited

6.5.9 Tyres used to join the starting grid

Tyres used for going from the pits to the starting grid before the race may be either wet-weather or dry weather tyres and will not be counted in the allocation of tyres.

6.5.10 Change of tyre manufacturer during the season

A change of tyre manufacturer is not allowed during the season for the LMGTE Pro and LMGTE Am categories. It is allowed only once for the LMP1 H, LMP1 NH and LMP2 categories.

6.5.11 Specific sessions

During a Competition, if a specific test session (e.g. Safari circuit) is organised by the Promoter of the Competition, conditions regarding tyre limitation and declaration will not be applied.

6.5.12 Grooving and regrooving

Grooving tyres is strictly prohibited. The regrooving of the tyres is not allowed in LMP2 and LMGTE Am. The regrooving of tyres is allowed in LMP1 H, LMP1 NH and LMGTE Pro.

6.5.13 Exchange of commercial tyres (for the LMP2 category only)

Each tyre manufacturer may be given used tyres, used during a Competition, of the other manufacturers in their category. This applies to both dry-weather and wet-weather tyre specifications.

Tyre exchange is to be done with the support and confirmation of the Technical Delegate.

Exchange of new tyres (applicable for dry-weather and wet-weather tvres):

Any tyre specification declared for the Championship must be exchanged at the first Competition during which it is introduced.

This process may be repeated only once per season, at the 24 Hours of Le Mans.

Exchange of used tyres (applicable for drv-weather and wet-weather tyres):

A full set of tyres, used during the race, may be exchanged between tyre manufacturers.

This process may be repeated at every race in the Championship (upon request from a tyre manufacturer during the Competition). The exchange is to be notified within 1 hour after the end of the race.

6.5.14 Applicable Penalties

Penalty for breaching the tyre rule: 3-minute Stop & Go per infringement.

PIT STOP REGULATIONS

12.5 Safety and obligations during wheel/tyre changes

12.5.1 Where wheel/tyre changes are authorised

Wheel/tyre changes are authorised only:

- On the starting grid up to the «3 minutes» board
- In the working area in front of the car's pit, on the conditions defined by Article 12.3
- As an exception, the tyres may be changed inside the garage if and only if the car has been pushed there for the purpose of carrying out mechanical operations on it. This dispensation of the established principle will be interpreted restrictively
- On the track during the suspension of a race according to Article 14.3.

12.5.2 Obligations of the mechanics

For a wheel change, mechanics must:

- bring a maximum of two pneumatic wheel guns into the working area,
- without external assistance, take the new wheels, fit them on the car and put the replaced ones between the garage and the 2.5 m line or inside the garage,
- carry at all times the detached wheels when they are outside the garage. However, in order to facilitate the wheel changes, it is possible to lay them flat on the ground near the car just during the change of the wheel concerned,
- · not throw the wheels or drop them,

• disconnect the air jacks and take the equipment back behind the 2.5 m line.

At no moment beyond the 2.5 m line may wheel(s), wheel gun(s), bodywork or any other equipment be left unattended by one of the four mechanics

The area situated between the painted line in front of the pit shutter and the 2.5 m painted line may be used for tyres and the tools necessary for these operations. No assistance may be given by a person standing in that area.

For any wheel that the mechanics lose control of, or for any other infringement of the present article: penalty at the Stewards' discretion.

12.5.3 Restrictions concerning equipment

It is prohibited to have any equipment:

- For speeding up the removal of the wheels. Only two wheel guns or two pneumatic torque wrenches are authorised per car in the working area at any given time. A maximum of 2 different pneumatic wheel guns can be used during a wheel change to change the tyres.
- For warming the tyres and/or keeping them at constant temperature in the working area, in the garage and on the starting grid. (see Article 12.1.2) Penalty in case of infringement: at the Stewards' discretion.
- Which is operated using an external power source (electrical, pneumatic, etc.), with the exception of the two wheel guns and the air-jack coupling.











