



# **2019 Lebanese Drift Championship Technical regulations**

## **Pro category:**

- 1 - The safety equipment of all vehicles must comply with the FIA Appendix J as well as Appendix C of the National Sporting Code for the year 2019.
- 2 - Any vehicle with insufficient safety features or not complying with the regulations in force shall not be admitted to or shall be excluded from the event.
- 3- *The wearing of a safety belt, a crash helmet (**Head Restraint Device will be mandatory starting 2021**) complying with the standards approved by the FIA, and homologated to the current year.*

<b>Description</b>	<b>Appendix L</b>	<b>FIA Standard</b>	<b>Technical List</b>
Helmets	Chap III 3.1	8860-2004	25
Overall under garments Socks Balaclava Boots	Chap III 3.2	8856-2000	27
Head Restraint System	Chap III 3.1	8858-2002	29

- 4- The wearing of a *fully homologated suit including balaclava, top and bottom underwear, socks, gloves, & boots is mandatory.*
- 5- The installation of the following elements in the vehicles must comply with the FIA Appendix J as well as (Appendix C of the National Sporting Code / for Lebanese drivers) for the year 2019:
  - a) Bumper must be fitted Front and Rear
  - b) Door Bar Protections (**NO WELDING**) must be fitted either X shaped or Nascar door style (check picture at end of document)
  - c) Under Fuel tank protection metal plate of a minimum of 3 mm
  - d) Front and Rear **RED** roof brake light strip with a minimum width of 6 cm and minimum length 100 cm or the car width.
  - e) The exhaust system **should have a minimum one silencer and the pipe outlets must be directed either rearwards or sideways.**—If the exhaust pipes are directed rearwards their outlets shall be situated between 100mm and 450mm above ground level. If the exhaust pipes are directed sideways their outlets must be located to the rear of a vertical plane passing through the wheelbase center plane and may not be projected beyond the bodywork in anyway and opposite to the fuel tank filling cap and breather.
  - f) Fuel piping, pumps tanks and filters: According to FIA standards.(ref. App. J Art 253) or original equipment.  
Fuel, oil brake lines must be protected externally against any risk of deterioration (Stones, corrosion, mechanical breakage, etc.) and internally against all risks of fire and deterioration. Lines containing cooling water or lubricating oil must be kept outside the driver passenger compartment.

Inside the cockpit, the passage of the following elements between the side members of the bodyshell and the safety cage is forbidden:

- Lines carrying fluids (except windscreen washer fluid)
- Lines of the extinguishing system.

As per Appendix J 253-8-1

g) Safety Belt: (Art 253-6)

*The use of a safety belt (with a minimum of 5 points) in compliance with 8853/98 FIA standard is compulsory.*

h) Fire wall separation:

An efficient protective screen must be placed between the engine and the occupant's seat, in order to prevent the direct passage of flames in case of fire. Should this screen be formed by the rear seats, it is advisable to cover them with a flameproof coating.

For twin-volume cars with a fuel tank installed in the luggage compartment, a fireproof and liquid-proof case must surround the fuel tank and its filler holes.

For three-volume cars, a fireproof and liquid-proof bulkhead must separate the cockpit from the fuel tank.

Nevertheless, it is recommended that this liquid-proof bulkhead be replaced by a liquid-proof case as for the twin-volume cars.

i) At least two additional safety fasteners must be fitted for each of the bonnet and boot lids.

j) Doors: It is permitted to remove the soundproofing material. The original structure of the door can NOT be modified nor trimmed.

k) Manual extinguisher: (picture 1-2 p.17)

All cars must be fitted with one or two fire extinguishers, minimum total capacity of 2 Kg. They should be mounted with minimum two quick-release metal fasteners. (Art 253-7) And an ANTI TORPEDO bracket.

The extinguishers must be easily accessible for the driver.

l) Roll cage: ( picture 3-4 p.18-19)

A **MANDATORY** minimum requirement 6 points Roll cage must be fitted, according to the FIA regulation (Appendix J Art. 253) or ASN approved. *It must have X or parallel bars on the doors (check point b. )*

m) Protective Paddings must be added to the Roll cage (Appendix J 253.8.3.5)

Where the occupants' bodies could come into contact with the safety cage, flame retardant padding must be provided for protection. Where the occupants' crash helmets could come into contact with the safety cage, the padding must comply with FIA standard 8857-2001, type A (see technical list n°23 "Roll Cage Padding Homologated by the FIA") and must be permanently fixed to the cage.

n) Towing eyes: Front & rear.

All cars must be equipped with a rear and front towing-eye for all competitions. This towing-eye will only be used if the car can move freely. It must be clearly visible and painted in yellow, red or orange.

- o) Windows : (Art 253-11)  
The windscreen must be of laminated glass. If the original side & rear windows are used, they should be covered by a transparent safety film. Side & rear windows can be replaced by transparent polycarbonate sheets of a minimum of 3mm thickness, with an opening of a minimum of 300cm<sup>2</sup> for the driver's window.  
Silver or tinted films are prohibited according to Lebanese traffic regulations.
- p) All aerodynamic devices such as wings spoilers should remain within the limits of the vehicle.
- q) All vehicles must be fitted with a general circuit breaker in accordance with FIA article 253.13, Appendix J to the ISC.  
The general circuit breaker must cut all electrical circuits, battery, alternator or dynamo, lights, hooters, ignition, electrical controls, etc.) and must also stop the engine.  
It must be a spark-proof model, and must be accessible from inside and outside the car.  
As for the outside, the triggering system of the circuit breaker must compulsorily be situated at the lower part of the windscreen mountings for closed cars. It must be marked by a red spark in a white-edged blue triangle with a base of at least 12 cm.
- r) Battery fixation:  
The battery must be of the dry type if it is not in the engine compartment. The positive terminal of the battery should be protected and covered.
- s) Seats fixation:  
If the original seat attachments or supports are changed, the new parts must either be approved for that application by the seat manufacturer or must comply with the FIA specifications.
- t) If the lubrication system includes an open type sump breather, this must vent into a catch tank with a minimum capacity of 2 litres.
- u) All cars shall be fitted with a plumbed-in fire extinguisher system in accordance with FIA article 253.7.2, Appendix J to the ISC. Each substance cylinder shall have a current inspection/filling certification tag no more than 24 months old. The tags shall be visible on inspection without removing the cylinder.
- v) Any vehicle which is judged to be dangerous will be excluded from the event by the organisers.
- w) All modifications are forbidden unless expressly authorized by this present regulation.
- x) Vehicles must have a sticker in a contrasting color on a specific part of each wheel or tire during official training, qualification and competition. (picture 7)

## Street Hybrid category:

Any vehicle with insufficient safety features or not complying with the regulations in force shall not be admitted to or shall be excluded from the event.

### 1- Engine:

- The engine compartment as well as the firewall cannot be trimmed or modified.
- The engine internals are free as well as camshafts valves & cylinder head.
- The addition of a turbocharger or supercharger is allowed, but it should not protrude outside the body limits.
- If such an addition is made, it should respect all safety measures.

2- Only FIA homologated helmets are accepted, however helmets following the standard BS6658-85 Type A/FR can still be used in Drift events.

3- *The wearing of a fully homologated suit including balaclava, top and bottom underwear, socks, gloves, & boots is recommended (ref Pro category table of point 1).*

4- Engine management is free.

5- Ignition & fuel systems are free.

6- Cooling system is free.

7- Gearbox internals as well as clutch assembly & differential are free.

8- Springs dampers anti roll bars suspension bushes & joints are free.

9- It is allowed to increase the steering angle by any means. The steering components can be modified.

10- The installation of the following elements in the vehicles must comply with the FIA Appendix J as well as (Appendix C of the National Sporting Code / for Lebanese drivers) for the year 2019:

a) Bumper must be fitted Front and Rear

b) Under Fuel tank protection metal plate of a minimum of 3 mm

c) The exhaust system should have a minimum one silencer and the pipe outlets must be directed either rearwards or sideways.—If the exhaust pipes are directed rearwards their outlets shall be situated between 100mm and 450mm above ground level. If the exhaust pipes are directed sideways their outlets must be located to the rear of a vertical plane passing through the wheelbase center plane and may not be projected beyond the bodywork in anyway and opposite to the fuel tank filling cap and breather.

d) Fuel piping, pumps tanks and filters: According to FIA standards.(ref. App. J Art 253) or original equipment.

Fuel, oil brake lines must be protected externally against any risk of deterioration (Stones, corrosion, mechanical breakage, etc.) and internally against all risks of fire and deterioration. Lines containing cooling water or lubricating oil must be kept outside the driver passenger compartment.

Inside the cockpit, the passage of the following elements between the side members of the bodyshell and the safety cage is forbidden:

- Lines carrying fluids (except windscreen washer fluid)
- Lines of the extinguishing system.

As per Appendix J 253-8-1

- e) Safety Belt: (Art 253-6)  
*The use of a safety belt (with a minimum of 5 points) in compliance with 8853/98 FIA standard is **recommended**.*
- f) Fire wall separation:  
An efficient protective screen must be placed between the engine and the occupant's seat, in order to prevent the direct passage of flames in case of fire. Should this screen be formed by the rear seats, it is advisable to cover them with a flameproof coating.  
For twin-volume cars with a fuel tank installed in the luggage compartment, a fireproof and liquid-proof case must surround the fuel tank and its filler holes.  
For three-volume cars, a fireproof and liquid-proof bulkhead must separate the cockpit from the fuel tank.  
Nevertheless, it is recommended that this liquid-proof bulkhead be replaced by a liquid-proof case as for the twin-volume cars.
- g) At least two additional safety fasteners must be fitted for each of the bonnet and boot lids.
- h) Doors: It is permitted to remove the door panels.
- i) Manual extinguisher: (picture 1-2 p.17)  
All cars must be fitted with one or two fire extinguishers, minimum total capacity of 2 Kg. They should be mounted with minimum two quick-release metal fasteners. (Art 253-7) And an ANTI TORPEDO bracket.  
The extinguishers must be easily accessible for the driver.
- j) Roll cage: ( picture 3-4 p.18-19)  
A recommended minimum requirement 6 points Roll cage must be fitted, according to the FIA regulation (Appendix J Art. 253) or ASN approved.
- k) If a Roll cage is fitted, whether FIA / ASN approved or not, Protective Paddings must be added to the Roll cage (Appendix J 253.8.3.5)  
Where the occupants' bodies could come into contact with the safety cage, flame retardant padding must be provided for protection. Where the occupants' crash helmets could come into contact with the safety cage, the padding must comply with FIA standard 8857-2001, type A (see technical list n°23 "Roll Cage Padding Homologated by the FIA") and must be permanently fixed to the cage.
- l) Towing eyes: Front & rear.  
All cars must be equipped with a rear and front towing-eye for all competitions. This towing-eye will only be used if the car can move freely. It must be clearly visible and painted in yellow, red or orange.
- m) Windows : (Art 253-11)  
The windscreen must be of laminated glass. If the original side & rear windows are used, they should be covered by a transparent safety film. Side & rear windows can be replaced by transparent polycarbonate sheets of a minimum of 3mm thickness, with an opening of a minimum of 300cm<sup>2</sup> for the driver's window.  
Silver or tinted films are prohibited according to Lebanese traffic regulations.

- n) All aerodynamic devices such as wings spoilers should remain within the limits of the vehicle.
- o) All vehicles must be fitted with a general circuit breaker in accordance with FIA article 253.13, Appendix J to the ISC.  
The general circuit breaker must cut all electrical circuits, battery, alternator or dynamo, lights, hooters, ignition, electrical controls, etc.) and must also stop the engine.  
It must be a spark-proof model, and must be accessible from inside and outside the car. As for the outside, the triggering system of the circuit breaker must compulsorily be situated at the lower part of the windscreen mountings for closed cars. It must be marked by a red spark in a white-edged blue triangle with a base of at least 12 cm.
- p) Battery fixation:  
The battery must be of the dry type if it is in the cockpit. The positive terminal of the battery should be protected and covered.
- q) Seats fixation:  
If the original seat attachments or supports are changed, the new parts are recommended to either be approved for that application by the seat manufacturer or comply with the FIA specifications.
- r) If the lubrication system includes an open type sump breather, this must vent into a catch tank with a minimum capacity of 2 litres.
- s) All cars are recommended to be fitted with a plumbed-in fire extinguisher system in accordance with FIA article 253.7.2, Appendix J to the ISC. Each substance cylinder shall have a current inspection/filling certification tag no more than 24 months old. The tags shall be visible on inspection without removing the cylinder.
- t) Vehicles must have a sticker in a contrasting color on a specific part of each wheel or tire during official training, qualification and competition. (picture 7)
- u) Any vehicle complying with the Street Modified technical regulations but that underwent weight reduction or added a steering angle or an additional roll cage or any modification judged by the scrutineers as safe will be reclassified into the Street Hybrid class.
- v) Any vehicle which is judged to be dangerous will be excluded from the event by the organisers.
- w) All modifications are forbidden unless expressly authorized by this present regulation.

Note: about the yearly mechanical check.

It is not legal to have a roll cage, polycarbonate windows, and the steering angle

## **Street Category:**

Are eligible all production vehicles normally commercialized & registered in conformity with the local traffic regulations. The participating vehicle can have the power delivered to the rear or all wheels. The vehicle must have a valid “Mécannique” control check & comply with the following:

- a) Only original engine management systems are **MANDATORY**
- b) Cars should be in excellent condition.
- c) Engine & drive train should be original or from the same manufacturer as the vehicle **AND** from the same series.
- d) Any form of additional Forced Induction System is **PROHIBITED**.
- e) Fuel piping tanks filters should be original.
- f) A minimum original 3 points safety belt in good condition is **MANDATORY**. However FIA homologated harnesses are accepted if properly fitted.
- g) Laminated front windscreen. .
- h) **Only FIA homologated helmets are accepted, however helmets following the standard BS6658-85 Type A/FR can still be used in Drift events.**
- i) A dual braking system.
- j) Hydraulic handbrakes are accepted if fitted properly.
- k) Manual extinguishers: All cars must be fitted with one or two fire extinguishers, minimum total capacity of 2 Kg. They should be mounted with minimum two quick release metal straps. The extinguishers should be easily accessible for the driver.
- l) External after market body accessories are acceptable upon the approval of the Scrutineers
- m) The external internal & general aspect of the vehicle should be accepted by the Scrutineers.
- n) The removing or replacing of any part to decrease weight is **PROHIBITED**.
- o) The driver’s seat can be replaced by an aftermarket seat. The fixation of the seat should be approved by the scrutineers.
- p) The wheels can be replaced by aftermarket ones, as long as they fit & do not exceed the limits of the body.
- q) All aerodynamic devices such as wings spoilers should remain within the limits of the vehicle.
- r) Free flow air filters are permitted.
- s) Anti lag system *i.e., bang bang* is **PROHIBITED**.
- t) Any vehicle which is judged to be dangerous will be excluded from the event by the organizers.
- u) **It is not allowed to increase the steering angle by any means. The steering components cannot be modified.**
- v) **Vehicles must have a sticker in a contrasting color on a specific part of each wheel or tire during official training, qualification and competition. (picture 7)**
- w) All modifications are forbidden unless expressly authorized by this present regulation.

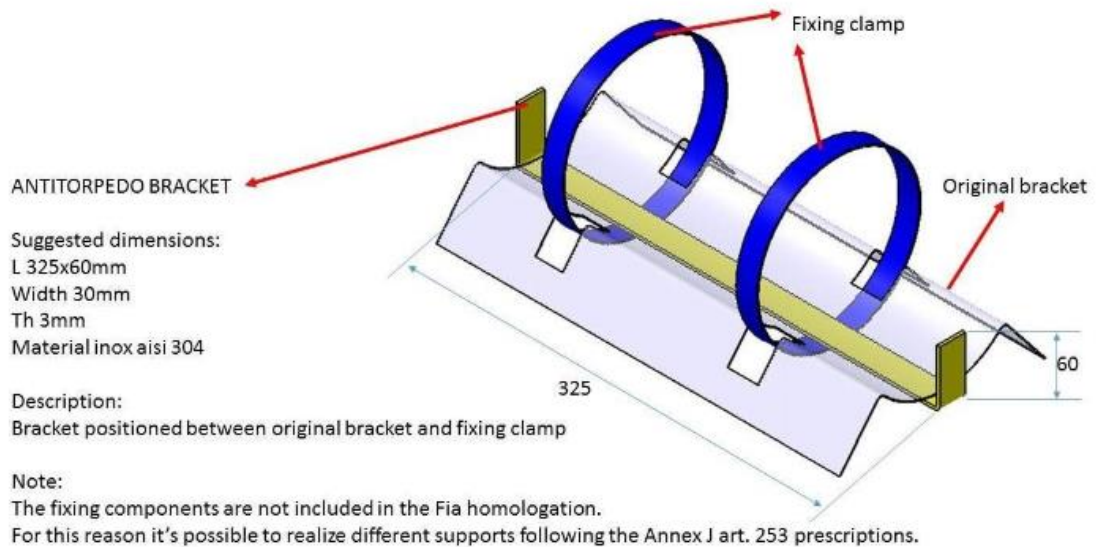


## **Street Modified Category:**

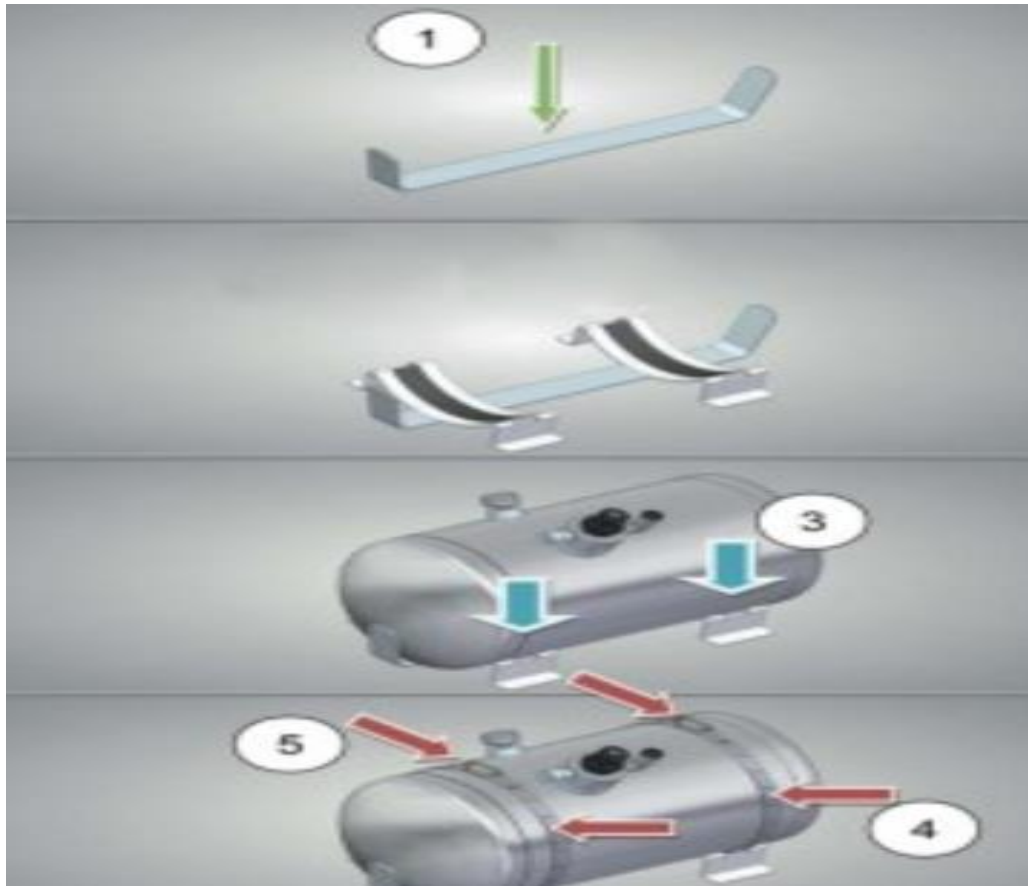
Are eligible all production vehicles normally commercialized & registered in conformity with the local traffic regulations. The participating vehicle can have the power delivered to the rear or all wheels. The vehicle must have a valid “Mécanique” control check & comply with the following:

- a) Engine:
  - Only engines from the same manufacturer are allowed provided they fit in the engine compartment.
  - The engine compartment as well as the firewall cannot be trimmed or modified.
  - The original mounting position & direction of the engine cannot be changed
  - The engine internals are free as well as camshafts valves & cylinder head.
  - The addition of a turbocharger or supercharger is allowed, but it should not protrude outside the body limits.
  - If such an addition is made, it should respect all safety measures.
- b) Engine management is free.
- c) Ignition & fuel systems are free.
- d) Cooling system is free, the radiator cannot be moved to a different location.
- e) Gearbox internals as well as clutch assembly & differential are free.
- f) Springs dampers anti roll bars suspension bushes & joints are free.
- g) **It is not allowed to increase the steering angle by any means. The steering components cannot be modified.**
- h) Any modification with the aim of decreasing weight is prohibited.
- i) Cutting trimming body panels is not allowed.
- j) Doors & their structure should not be modified.
- k) All interior trim panels including seats soundproofing material floor carpets dash board & ancillaries cannot be removed, except for the driver’s seat which can be replaced by a FIA homologated seat.
- l) Air intake & filter as well as oil coolers are free.
- m) The exhaust system is free, except for exit pipe which should be directed rearwards
- n) Fuel piping, tanks filters and tank should be original.
- o) A minimum original 3 points safety belt in good condition is MANDATORY. However FIA homologated harnesses are accepted if properly fitted.
- p) Laminated front windscreen. .
- q) Only FIA homologated helmets are accepted, however helmets following the standard BS6658-85 Type A/FR can still be used in Drift events.
- r) A dual braking system.
- s) Hydraulic handbrakes are accepted if fitted properly.
- t) Manual extinguishers: All cars must be fitted with one or two fire extinguishers, minimum total capacity of 2 Kg. They should be mounted with minimum two quick release metal straps. The extinguishers should be easily accessible for the driver.
- u) External after market body accessories are acceptable upon the approval of the Scrutineers
- v) The external internal & general aspect of the vehicle should be accepted by the Scrutineers.

- w) The driver's seat can be replaced by an aftermarket seat. The fixation of the seat should be approved by the scrutineers.
- x) The wheels can be replaced by aftermarket ones, as long as they fit & do not exceed the limits of the body.
- y) All aerodynamic devices such as wings spoilers should remain within the limits of the vehicle.
- z) Anti lag system *i.e.*, *bang bang* is **PROHIBITED**.
- aa) Any vehicle complying with the Street Modified technical regulations but that underwent weight reduction or added a steering angle or an additional roll cage or any modification judged by the scrutineers as safe will be reclassified into the Street Hybrid class.
- bb) Vehicles must have a sticker in a contrasting color on a specific part of each wheel or tire during official training, qualification and competition. (picture 7)
- cc) Any vehicle which is judged to be dangerous will be excluded from the event by the organizers.
- dd) All modifications are forbidden unless expressly authorized by this present regulation.



Picture 1



Picture 2



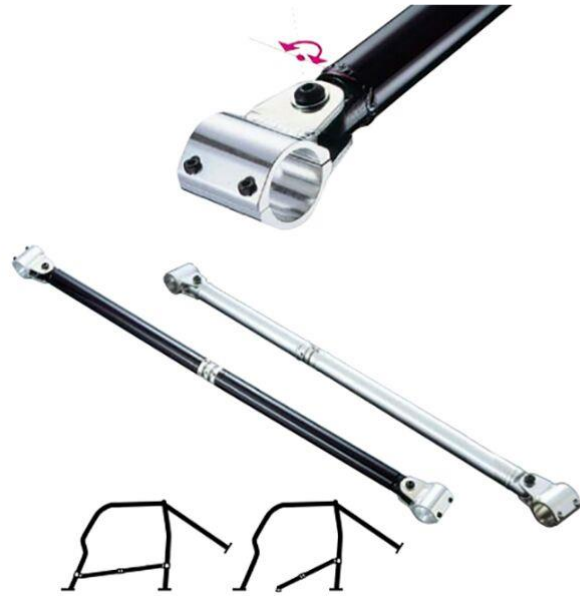
Picture 3



Picture 4



Picture 5



Picture 6

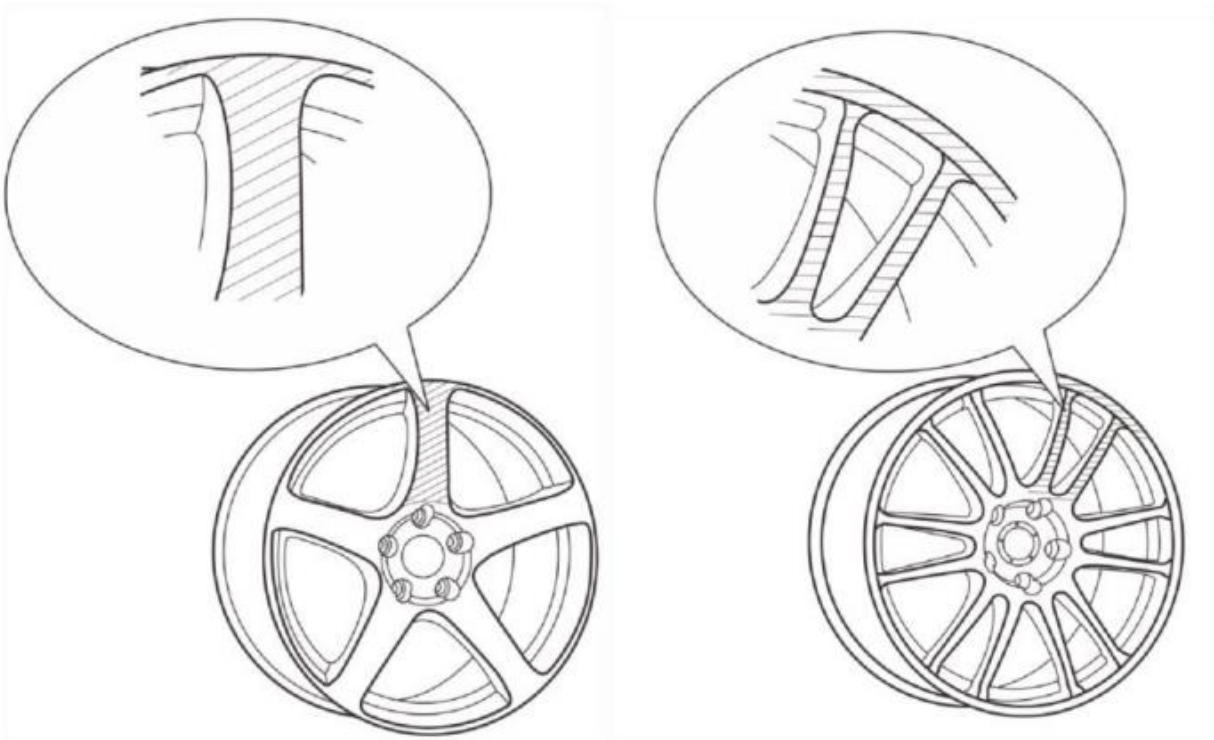


figure 7.