

2013 Technical Regulations for SUPER STOCK CARS

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2013 FMSCI Technical Regulations 4W – SUPER STOCK CARS

Specific Regulations for SUPER STOCK CARS
Classification & Definitions, General Prescriptions
and Safety Equipment

ARTICLE 1: DEFINITION

Large scale series production touring cars (made in India)

CARS WITH CC OF UPTO 1799 CC. Any petrol naturally aspirated cars under 1799 cc

No modifications to the engine is permitted.

Group N regulations will apply.

ARTICLE 2:

All safety equipment that is used - seats, seatbelts, helmet, gloves, balaclava, shoes MUST be FIA certified .

ARTICLE 3:

MODIFICATIONS AND ADJUNCTIONS ALLOWED OR
OBLIGATORY

NO MODIFICATIONS ARE PERMITTED

ARTICLE 4: MINIMUM WEIGHT

The minimum weight of the cars will be cc divided by a constant which is 1.65
WITH DRIVER. This is the real weight of the car WITH DRIVER

All the liquid tanks (lubrication, cooling, braking, heating where applicable) must be at the normal level foreseen by the manufacturer, with the exception of the windscreen wiper .

ARTICLE 5:

-Engine shields made of plastic material, the purpose of which is to hide mechanical components in the engine compartment, may be removed if they have a solely aesthetic function.

-The accelerator cable may be replaced or doubled by another one regardless of whether it comes from the manufacturer or not.

-The screws and bolts may be changed, provided that the replacements are made from ferrous material.

-Ignition: The make and type of the spark plugs and high-tension leads are free.

-Cooling system: The thermostat is free, as is the control system and the temperature at which the fan cuts in.

Locking system for the radiator cap is free.

A fabricated shield may be incorporated in place of the AC condenser.

ARTICLE 6 .1:

-ENGINE CONTROL UNIT : MUST BE ORIGINAL BUT PIGGY BACK CONTROLLERS MAY BE USED .

THE WIRING HARNESS MUST BE ORIGINAL .The wiring harness may be adapted to work with the Piggy back unit

Removal of all elements between Air Filter Box and Resonator is permitted. Any ducting may be added to the front of the entry point of the air filter and must be within the Engine Compartment.

-Fuel Pumps: ORIGINAL FUEL PUMPS ONLY

-Lubrication: The fitting of baffles in the oil sump is authorised.

Replacement oil filter cartridges are accepted in the same way as the original ones.

-The material of the elastic part of the engine and gearbox mountings is free, but not the number of mountings.

-Exhaust:

FREE

6.2 Transmission

6.2.1) Clutch:

Only OE Components permitted.

6.2.2) Gearbox:

no change in ratios and no modifications permitted.

6.2.3) Differential:

Limited Slip Differential is permitted, no change in ratios or any other modifications permitted.

6.2.4) Half-shafts:

Only Original Equipment Shafts is permitted.

6.3 Suspension :

Body Shell, Shockabsorber and/or Spring Turrets/perches shall not be modified in any manner. Droop changes shall only be achieved through shockabsorber length. No special purpose shims or spacers may be used.

Shock absorbers and Springs free, Shockabsorbers can be of 2 way adjustable type only - bump and rebound. External shock canisters allowed.

The reinforcing of the structural parts of the suspension (with the exception of anti-roll bars) and its anchorage points by the addition of material is allowed.

Ride height free.

Bushings and Mountings should conform to original design and size, uprated material is allowed.

Ground clearance must be such that the bodywork does not touch the ground when two tyres on the same side of the car

are deflated

OE SHOCKS AND SPRINGS may be self modified by length changes , valve modifications, change of grade of oil used ,
spring Rating is FREE

6.4 Wheels and tyres

6.4.1) Wheels:

Wheels and Tyres free - should fit within original bodywork without any intermediaries.

6.4.3) Spare wheel:

The spare wheel shall not be carried in the car even as a ballast.

6.5 Braking system

No modification permitted

6.5.1) Handbrake:

Fly-off hand brake is permitted.

6.6 Bodywork

6.6.1) Exterior :

A fabricated shield may be incorporated in place of an AC condenser.

Hubcaps must be removed.

6.6.2) Interior :

The front seats may be moved backwards but not beyond the vertical plane defined by the front edge of the original rear seat.

The limit relating to the front seat is formed by the height of the seat without the headrest, and if the headrest is incorporated into the seat, by the rearmost point of the driver's shoulders.

The rear seats may be removed.

The rear safety belts may be removed.

6.6.2.1) Dashboard:

The dashboard MAY BE REMOVED

6.6.2.2) Doors

Must be original as supplied by the manufacturer .door pads may be removed.

6.6.2.3) Floor

Carpets are free and may thus be removed.

6.6.3) Additional accessories:

All those which have no influence on the car's behaviour, for example equipment which improves the aesthetics or comfort of the car interior (lighting, heating, radio, etc.), are allowed without restriction.

In no case may these accessories increase the engine power or influence the steering, transmission, brakes, or roadholding, even in an indirect fashion.

All controls must retain the role laid down for them by the manufacturer. They may be adapted to facilitate their use and accessibility, for example a longer handbrake lever, an additional flange on the brake pedal, etc.

The following is allowed:

1) Measuring instruments such as speedometers etc. may be installed or replaced, and possibly have different functions. Such installations must not involve any risk.

2) The handbrake locking mechanism may be removed in order to obtain instant unlocking (fly-off handbrake).

3) The steering wheel is free.

The locking system of the anti-theft steering lock may be rendered inoperative.

4) Additional compartments may be added to the glove compartment and additional pockets in the door pads.

5) Insulating material may be added to the existing bulkheads to protect the passengers from fire.

6.6.4) Reinforcements :

Reinforcement bars may be fitted on the suspension mounting points to the bodyshell or chassis of the same axle, on each side of the car's longitudinal axis, on condition that they are removable and are attached by means of bolts.

6.7 Electrical system

-Battery: The make, capacity, and battery cables are free. The tension and the site of the battery must be retained.

-Generator: May be replaced by a more powerful one. A dynamo may not be replaced by an alternator and vice-versa.

The original headlights may be removed and a plate closing the orifice must be fitted.

-Fuses may be added to the electrical system.

6.8 Fuel circuit

Additional fuel pump CANNOT be fitted.

ARTICLE 7: Roll Cages

Cold drawn seamless unalloyed carbon steel tube (Containing a maximum of 0.3% of carbon) with a minimum tensile strength of 350 N/mm²

The minimum dimensions being 45mm X 2.5mm or 50mm X 2mm.

The basic minimum structural requirement as per Drawing 253-3 and FMSCI Regulations 2011.

ARTICLE 8: Seat Belts

Minimum required is a four point harness and following the technical drawings regarding mounting points (Article 253 – 42 to 45, 52 and 53 of Appendix J – FIA Regulations)

ARTICLE 9:

Fire Extinguishers

Fire Extinguishers to be rigidly fastened with a quick release clamp
FITTED IN AN EASILY ACCESSIBLE AND A VISIBLE POSITION.

Specifications -as per FMSCI Regulations

As per FMSCI Regulations 2011

ARTICLE 10:

Side and Rear Windows

The use of transparent or colourless anti shatter film on the side windows is mandatory.

ARTICLE 11:

Laminated Windshield

Laminated windshield is mandatory.

ARTICLE 12:

Presentability of Cars

All cars should be presentable in appearance.

ARTICLE 13:

A/C and Heating

The components relating to the A/C and Heating may be removed so long as the homologated weight of the car is maintained.

ARTICLE 14: Reinforcement of Aprons (Front)

It is permitted to add a member between the front aprons above the front cross member (the front jacking point) provided it is removable and mounted only by means of bolt & nuts.

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