



TT Trophy: 2021 Technical Regulations

1. Introduction

These regulations are for the TT Trophy cars run as close to production specification as safety and reliability allows. As a guide if your car has something on it that was not there when it left the showroom i.e. not to manufactures specification, then it shouldn't be there. Unless it states that you can within these regulations assume you can't. All cars must comply with the Motorsport UK bluebook regulations.

2. Description

The TT Trophy is for the Audi TT only in 225 BHP engine configuration manufactured between 1998-2006. All cars must comply with [excluding emissions], though do not require, a valid MOT. No modifications to the car or parts as sold/supplied by the manufacturer or OEM, unless otherwise stated in these regulations. Where parts are replaced, they should be within manufacturers or OEM specification for this model. In the interest of cost, non-generic replacement parts can be used where it can be shown and proven to be of the same material, manufacturing process, form, shape function dimensions and fit without modification as per the original.

3. Chassis

No chassis stiffening allowed apart from that derived from fitting a roll cage. Roll cage must be Track Attack Race Club designated 6 point bolt in roll cage, supplied by Track Attack Race Club.

4. Vehicle Weights

No minimum weight for 2021, but a minimum weight will be applied for the 2022 season.

5. Car - Exterior

No alterations to the shape of standard bodywork, which must retain its original silhouette. Standard wing mirrors must be retained. Front wiper blades must function but can be replaced as a single blade. Rear wiper blade can be removed. All lights function. All weather strips/channels must remain. Any replacement body panels must be original shape and material. No modifications may be made to the body work other than for repair. Exterior trim should remain standard, no widening of the wheel arches is permitted unless on production car. Holes may be cut into the rear valence at the exhaust moulding height. Bonnet and engine cover to be in normal closed position no nonstandard gaps. No use of tape to fill shut lines. Glass may be replaced with polycarbon subject to Motorsport UK regulations.

6. Car - Interior

Dashboard must remain in situ, but radios, speakers, etc can be removed along with associated ducting/wiring. It is recommended the windscreen heating/demist system remains. Steering wheel may be replaced. Glass sun roofs where fitted by manufacturers must be removed and the opening closed in accordance with Motorsport UK Blue Book regulations. Electric window motors and door cards can be removed but exposed doors must be covered in accordance with Motorsport UK regulations. All instruments to remain standard. All other furniture, door cards, roof lining, sound deadening and original seatbelts may be removed. Interior body panels may be removed so long as its removal does not affect the rigidity of the vehicle and safety of the driver and/or passenger.

7. Ground Clearance

It is permitted to alter the ride height, but the car must be no less than 75mm from the ground in race trim with the driver onboard, either stationary or moving.

8. Electrics

Ignition system standard. Coil pack free. All lights operative to Motorsport UK regulation. Rain light to be fitted to Motorsport UK regulations. Batteries may be relocated, to Motorsport UK regulation and to be capable of repetitive starts from the battery. Standard alternator and pulley to be retained. The key start system can be replaced with a push button starter.

9. Engine

The engines must be standard specification 1800 CC, 225 BHP at flywheel; An allowance of 10bhp allowed for upgrades in exhaust /filters etc. No internal performance enhancing modifications whatsoever to the engine are allowed, for example, no polishing or porting of the cylinder head, no alternative cams or high compression pistons. The use of OEM or aftermarket components only to be used for rebuilds which should be within the tolerances set down by the manufacturer.

- a) Oil/Water Cooling- Radiator to be standard in terms of capacity and location. Fan panel/housing to remain standard. An oil cooler can be added. Air ducting may be used to cool engine and/or front brakes. Standard sump to be retained but may be baffled.
- b) Induction System- Up to the throttle body, aftermarket air filters allowed [filter must be branded item available commercially ie no one off specials] and must be fitted in the engine bay.
- c) Exhaust System – Standard manifold and catalytic converter must be retained, otherwise free (ensure you meet the circuit noise restrictions).
- d) Engine management – Standard ECU only to be used [no remapping].
- e) Fuel System –Fuel pump to remain standard, fuel lines and filters are free No additional fuel pressure regulation allowed.

10. Transmission

Must remain standard (gearboxes, ratios etc) for the model being raced with no internal modifications allowed. Uprated gear linkage permitted. Flywheels to remain standard.

11. Suspension

- a) Permitted- Up-rated/lowered springs are permitted. **Dampers can be standard or upgraded to Bilstein B6 or Bilstein B8 dampers.** Anti roll bars are free but must not be adjustable by driver whilst seated. Top mounts remain standard. Up-rated adjustable anti roll bar drop links are permitted, providing they are not adjustable in length. Camber bolts are permitted. Standard chassis bump stops must be fitted in standard position. Polybush replacements are permitted.
- b) Prohibited – Modifications to suspension pick up points, cockpit adjustable anti roll bars with driver seated, offset or adjustable suspension strut mounts. Adjustable spring platform. Hub carrier brackets. Rose joints/rod ends in any suspension component. Any modifications restricting a wheel from reaching its fully dropped position.
- c) Wheel base and track to remain standard for the model being raced, other than spacers up to 10mm per wheel permitted.

12. Brakes

Brake discs must be standard size. Cross drilling, pimped, slotted or grooved allowed. Pads free. Hoses free. Handbrake standard and must function. Air ducting may be used to cool engine and/or front brakes. Brakes bias adjustment permitted but must not be adjustable during a race. Pedal boxes may be used.

13. Wheel/Steering

17" and 18" wheels in the sizes offered by the manufacturer for the model. Alternative wheels may be used if they conform to the size requirements. Steering locks to be removed.

14. Tyres

The designated control tyre for the 2021 season is the MRF ZTR. Tyre sponsors MRF undertake to deliver, balance, and fit tyres free of charge. Tyres **MUST** be purchased direct from MRF 07789 392080.

15. Fuel Tank/Fuel

Tanks must be standard in type and position. Fuel to be high street pump fuel e.g. Shell, Tesco. No 102 RON or above, and no race fuel or additives allowed.