



MOTO GUZZI FAST ENDURANCE EUROPEAN CUP TECHNICAL REGULATIONS RR 035T 2021

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GENERAL

Without prejudice to the provisions set out in the Motorcycle Event Regulations and Technical Regulations of the FIM Europe currently in force (texts available on the FMI and FIM Europe website at www.federmoto.it; www.fim-europe.com);, motorbikes participating in the MOTO GUZZI FAST ENDURANCE EUROPEAN CUP (hereinafter referred to as “CUP”) must comply with the provisions laid down by these Regulations.

Only Moto Guzzi V7 III motorbikes, all versions, may participate in the CUP. With regard to Racer, Special or Rough V7 III versions, the wheel rims of the Stone version **MUST** be installed. Some original components must be replaced with others that are part of a specific kit for the motorbike model being used (hereinafter referred to as the “CUP Equipment Kit”).

The kit will be supplied by Parma-based company Guareschi Moto to anyone who wishes to purchase it, such kit being designed exclusively for use in track competitions.

Changes shall also be required to be made in accordance with the provisions of these Regulations. Unless otherwise expressly specified and/or authorised under these Regulations, all the original components of the motorbike being used must be retained, i.e. components as originally produced by the Manufacturer.

Unless otherwise specified, the front, side and rear views of the motorbike being used must conform to the appearance of the model originally produced by the Manufacturer.

This rule shall not apply to the appearance of the exhaust system.

All the stickers contained in the CUP Equipment Kit must be used, affixing them on the motorbike as per instructions supplied in the Kit. Riders must show up at the preliminary operations and at all practice and competition stages with their motorbikes in perfect working conditions, especially with regard to: General cleaning, intact paint, original condition of components.

RR 035T ARTICLE 1

RR 035T 1.1 WEIGHT

The weight of the motorbike, in running order, without petrol and with the CUP Equipment Kit fully installed, must not be less than 174 kg or 175 kg in case of night competition.

RR 035T ARTICLE 2

RR 035T 2.1 CHASSIS

RR 035T 2.1.1 INSTRUMENT PANEL FRAME

The instrument panel frame must be original and must be fitted with all original instruments designed by the Manufacturer.

RR 035T 2.1.2 SWING ARM

The swingarm and swingarm pivots must be original. The wheel axle and the relative stand supports supplied in the MGF E Equipment Kit must be used.

RR 035T 2.1.3 STEERING PLATES

The original Steering Plates designed by the Manufacturer must be used.

RR 035T 2.1.4 STEERING HEADPIPE INCLINATION

The original inclination designed by the Manufacturer must be retained.

RR 035T 2.1.5 HANDLEBAR

The original handlebar must be replaced with the semi handlebars supplied in the CUP Equipment Kit.

RR 035T 2.1.6 MANUAL CONTROLS

- a) The manual controls (throttle, brake, clutch and electric blocks) must be the original ones fitted by the Manufacturer.
- b) The handlebars and manual controls can be positioned at the rider's choice.
- c) Installing the lever guard supplied in the CUP Equipment Kit to protect the front brake lever shall be mandatory.
- d) The electrical controls on the handlebar can be repositioned, but not replaced or removed.
- e) Retaining the original engine off switch, installed on the handlebar, shall be mandatory.

RR 035T 2.1.7 FOOTRESTS AND CONTROLS

- a) Installing the front footrest assembly supplied in the CUP Equipment Kit shall be mandatory. At the rider's request, the kit is available with standard or reversed gear shift lever unit.
- b) Retaining the original brackets of the front footrest unit shall be mandatory.
- c) The front footrests and foot controls can only be repositioned using the adjustments provided in the CUP Equipment Kit. Adding or removing components other than those specified in the CUP Equipment Kit shall be forbidden.
- d) The passenger footrests and passenger footrest plates must be removed.

RR 035T ARTICLE 3

RR 035T 3.1 SUSPENSIONS

RR 035T 3.1.1 FRONT SUSPENSION

- a) The originally structure of the fork (outer tube, stem and clamp couplings) designed by the Manufacturer must be retained.
- b) Installing all the components included in the CUP Equipment Kit shall be mandatory.
- c) The position (upwards and downwards) of the fork stems in relation to the steering plates shall be free.
- d) The position of the hydraulic adjusters (i.e. the various external compression and return settings of the fork pump), the 'K' coefficient and the pre-loading of the main spring of the fork shall be free. The internal parts of the fork (valves, pistons and sipes) shall be free. Fork oil level and gradation are free.

RR 035T 3.1.2 REAR SUSPENSION

- a) Installing the rear shock absorbers included in the CUP Equipment Kit shall be mandatory.
- b) The original frame and swingarm couplings of the rear shock absorbers must be retained.

- c) The position of the hydraulic adjusters (i.e. the various external compression and return settings of the shock absorber pump), the 'K' coefficient and the pre-loading of the main spring of the shock absorber shall be free. The internal parts of the shock absorbers (valves, pistons and sipes) shall be free.

RR 035T 3.1.3 STEERING DAMPER

- a) Using any kind of steering damper shall be forbidden.

RR 035T ARTICLE 4

RR 035T 4.1 BRAKING SYSTEM

RR 035T 4.1.1 BRAKE DISCS

- a) The front brake disc and calliper support plate supplied in the CUP Equipment Kit must be used.
- b) The original rear brake disc used by the Manufacturer must be kept.

RR 035T 4.1.2 BRAKE CALLIPERS

- a) The original front and rear brake callipers, as well as all their securing points and all anchoring parts used by the Manufacturer must be retained.
- b) Using additional "plates" for heat dissipation shall be forbidden.

RR 035T 4.1.3 BRAKE PADS

- a) The front brake pads supplied in the CUP Equipment Kit must be used, while the original pads used by the manufacturer must be retained on the rear brake.

RR 035T 4.1.4 BRAKE PUMPS

- a) The original (front and rear) brake pumps used by the Manufacturer must be retained.
- b) With regard to the front brake system, the piping supplied in the CUP Equipment Kit must be used.
- c) With regard to the rear brake system, the original piping used by the Manufacturer must be retained.

RR 035T 4.1.5 ABS SYTEM

- a) With regard to the rear brake, the original ABS system provided by the Manufacturer must be installed and kept in working order.

RR 035T ARTICLE 5

RR 035T 5.1 WHEEL RIMS

- a) The original wheel rims and related front axle used by the Manufacturer must be retained.
- b) The rear wheel axle supplied in the CUP Equipment Kit must be used, as specified earlier under 2.2. above.

RR 035T ARTICLE 6

RR 035T 6.1 TYRES

- a) The only tyres allowed shall be: Pirelli Sportscomp RS, front 110/80R18M/CTL 58V PHRS-F, rear 150/70R17M/CTL 69H PhantR, freely available on the Italian national market.
- b) Throughout each event of the CUP (free practice, official practice and competition), only one pair of tyres (1 front tyre, 1 rear tyre) may be used.
- c) The tyres that are allowed to be used shall be identified by a sticker uniquely attached to the motorbike by the Team using it.
- d) Exchanging previously checked tyres between riders, even if belonging to the same team, shall be forbidden.
- e) Prior to entering the track, riders — or their representatives — shall be responsible for checking whether the stickers have been affixed on the tyres and whether they comply with the applicable standards.
- f) In one or both stickers are missing or non-compliant, the rider of the motorbike involved shall be excluded from the event.
- g) Exchanging tyres between riders — where such tyres have already been paired with the riders themselves — or tampering with the rider/tyre matching system shall result in the riders involved being excluded from the event.
- h) In the event that a tyre already paired with a rider has such defects as to jeopardise its safety, the Team may request its replacement from the Chief Technical Steward, who will take the final decision on tyre replacement.
- i) Using “rain” tyres shall be forbidden.
- j) Using heating blankets shall be forbidden.

RR 035T ARTICLE 7

RR 035T 7.1 TANK

- a) The original tank designed by the Manufacturer for the motorbike being used must be retained.
- b) The original tank cap used by the Manufacturer must be retained.

RR 035T 7.2 FUEL CIRCUIT

- a) The original fuel circuit, i.e. the set of pipes and devices between the tank and throttle bodies, used by the Manufacturer must be kept.
- b) Using additional petrol filters shall be forbidden.
- c) Using non-original quick connectors with automatic closing system shall be forbidden.

RR 035T 7.3 FUEL

- a) The only fuel allowed shall be unleaded fuel, as specified in the Technical Rules.

RR 035T ARTICLE 8

RR 035T 8.1 FUELLING

- a) The original fuel supply system used by the Manufacturer must be retained.
- b) Changing the maximum diameter of the throttle body diffuser as compared to the Manufacturer's specifications shall be forbidden.
- c) The original fuel pump and related pressure regulator as designed by the Manufacturer must be retained.
- d) The original injectors used by the Manufacturer must be retained.
- e) The original intake trumpets and ducts connecting the throttle body to the filter box used by the Manufacturer must be retained.

RR 035T 8.2 AR FILTER

- a) The air filter must be replaced with the one supplied in the CUP Equipment Kit.
- b) The original filter box and ducts connecting to the throttle body must be retained.
- c) The filter box cover must be replaced with the one supplied in the CUP Equipment Kit.
- d) All engine vents must converge inside the filter box and the bleed pipes must be sealed.
- e) With regard to the gearbox and shaft drive vents, the components supplied in the CUP Equipment Kit must be used.

RR 035T ARTICLE 9

RR 035T 9.1 ENGINE

RR 035T 4.1.1 OVERVIEW

- a) Except as permitted in the Articles here below, the original engine used by the Manufacturer for the motorbike participating in the "GUZZI FAST ENDURANCE EUROPEAN CUP 2021" must be retained.
- b) The original stroke and bore designed by the Manufacturer must be retained.
- c) All engine gaskets must be original, as designed by the Manufacturer.
- d) The engine may be serviced in accordance with the Workshop Manual.

RR 035T 9.2 CYLINDER HEAD

- a) Except as permitted in the Articles here below, no operation shall be allowed to be performed for material removal (including polishing) and/or material filling (including surface processing).
- b) The cylinder head may be resurfaced, in accordance with any scheduled maintenance operations set out in the Manufacturer's Workshop Manual.
- c) The intake and exhaust ducts must remain original, as defined by the Manufacturer.
- d) The original valves, valve seats, valve guides, tappets, oil seals defined by the Manufacturer must be retained. Only scheduled maintenance, if required by the Workshop Manual, shall be allowed.
- e) The original springs, semi-cones and valve plates designed by the Manufacturer must be retained.

f) Valve spring shimming shall be forbidden.

RR 035T 9.3 DISTRIBUTION

- a) No changes of any kind whatsoever may be made to camshafts.
- b) The original distribution chain and related turnbuckle designed by the Manufacturer must be retained.
- c) The original distribution spools designed by the Manufacturer must be retained. Altering the screws or enlarging the holes that secure the spool to the camshaft in order to change timing shall be forbidden.

RR 035T 9.4 CYLINDERS

- a) The original cylinders designed by the Manufacturer must be retained.

RR 035T 9.5 PISTONS

- a) Any changes to the pistons, including polishing and lightening, shall be forbidden.

RR 035T 9.6 PISTON RODS

- a) Any changes to the piston rods, including lightening and polishing, shall be forbidden,

RR 035T 9.7 DRIVE SHAFT

- a) The original drive shaft as designed by the Manufacturer shall be retained. Any changes, including lightening, balancing and polishing, shall be forbidden.

RR 035T 9.8 CRANKCASE

- a) The original crankcases and side covers of the crankcases designed by the Manufacturer shall be retained, also with regard to colour and surface finish.
- b) Repairing crankcases and engine covers using filling material shall be forbidden.
- c) Installing the two-cylinder guards supplied in the CUP Equipment Kit shall be mandatory.
- d) Installing the skid pan (supplied in the Kit) under the crankcase shall be mandatory. CUP equipment.

RR 035T ARTICLE 10

RR 035T 10.1 DRIVE

RR 035T 10.1.1 CLUTCH

- a) The original flywheel, clutch disc, clutch assembly, diaphragm spring, pressure plate and clutch control designed by the Manufacturer must be retained. Any changes, including lightening of components, shall be forbidden.

RR 035T 10.1.2 GEARBOX

- a) The original number of gears, gear arrangement, number of gear teeth, gear selection system and shift fork actuation system designed by the Manufacturer must be retained. Any type of surface processing to reduce friction shall be forbidden (including polishing and super finishing).

RR 035T 10.1.3 FINAL DRIVE

- a) Any changes to the original arrangement defined by the Manufacturer shall be forbidden.

RR 035T ARTICLE 11

RR 035T 11.1 COOLING AND LUBRICATION SYSTEM

RR 035T 11.1.1 OIL CIRCUIT

- a) Any changes to the original oil pump designed by the Manufacturer shall be forbidden.
- b) All engine vents, as specified above, must flow into the filter box.
- c) Installing a radiator for engine oil cooling shall be forbidden.
- d) Any modification of the passages of the oil inside the engine, which must remain the original ones of the manufacturer, shall be prohibited.

RR 035T ARTICLE 12

RR 035T 12.1 ELECTRICAL SYSTEM

RR 035T 12.1.1 WIRING AND ELECTRICAL CONTROLS

- a) The original main wiring designed by the Manufacturer must be retained.
- b) The electrical controls on the handlebar may be repositioned but not removed.
- c) The original alternator and voltage regulator (installed, connected and in working order) must be retained.
- d) The original battery may be replaced by another battery having the same properties (rated capacity and instantaneous power) but may not be repositioned.
- e) At any time during the event, motorbikes must be able to start using the original starter.
- f) The original instrumentation (odometer / speedometer) designed by the Manufacturer must be retained.

RR 035T 12.2 ELECTRONIC IGNITION AND ENGIEN CONTROL

- a) Using the electronic ignition control unit supplied in the CUP Equipment Kit shall be mandatory under all circumstances. Any changes shall be forbidden.

RR 035T 12.3 MAPPING

- a) Replacing the engine electronic control unit with another one not supplied by Officine Guareschi shall be forbidden.
- b) Lambda sensors may be removed, but not replaced. All other engine control sensors must be kept original.
- c) No electrical or electronic components (sensors, control unit or acquisition system) may be added to the motorbikes, except as specified below.

RR 035T 12.4 ADDITIONAL EQUIPMENT

- a) Except as expressly authorised in the Articles here below, using any additional detection, data acquisition and telemetry system or instrument shall be forbidden.
- b) One or more systems may be installed to view the following parameters: engine rpm, lap time, engine running hours, including with IR (infrared) technology, GPS or time keeping.
- c) All motorbikes must be fitted with the original rear light. Operation of such light shall be mandatory. The stop light system must be deactivated. The rear light may remain ON even in the event of a "dry race".

- d) Using “quick-shifter” gear shift assist devices shall be forbidden.
- e) The presence of wires or electronic components that are not permitted or are indeterminate in nature shall qualify as a technical irregularity.
- f) In case of night competition, using the front cowl fitted with a hole for headlamp housing, supplied in the CUP Equipment Kit, shall be mandatory.
- g) In case of night competition, using the original front headlamp designed by the Manufacturer for Moto Guzzi V 7 III models shall be mandatory.
- h) In case of night competition, using the kit for the second rear light supplied in the CUP Equipment Kit shall be mandatory.

RR 035T ARTICLE 13

RR 035T 13.1 BODYWORK

RR 035T 13.1.1 OVERVIEW

- a) Except as permitted in the articles here below, all superstructures that make up the bodywork of the motorbike must be kept original. Colour and graphics shall be free.
- b) Using carbon fibre components shall be forbidden.

RR 035T 13.2 FAIRING

- a) The front cowls supplied in the CUP Equipment Kit must be installed according to the following provisions:
 - In case of daytime competition, the front cowl must be installed without the headlamp housing, and in any case without the front headlamp and the connected electrical system.
 - In case of night competition, the front cowl must be installed complete with the headlamp housing and with the original front headlamp fitted and in working order.
- b) The side panels must be replaced with those supplied in the Kit.

RR 035T 13.3 MUDGUARDS

- a) The original front mudguard designed by the Manufacturer for the Stone version must be retained.
- b) The distance between the front mudguard and the tyre may be increased.
- c) The rear mudguard must be replaced with the mudguard supplied in the CUP Equipment Kit.

RR 035T 13.4 SEAT

- a) The original seat must be replaced by the single seat supplied in the CUP Equipment Kit.

RR 035T 13.5 NUMBER HOLDER PLATES AND COMPETITION NUMBERS

- a) Each motorbike must be fitted with all the side number holder plates supplied in the CUP Equipment Kit, including plate fasteners. The background colour of the number holder plate must be white and the colour of the numbers black.

RR 035T ARTICLE 14

RR 035T 14.1 EXHAUST SYSTEM

- a) The exhaust system supplied in the CUP Equipment Kit must be used. The maximum permissible sound level shall be 108 dB/A at 5,000 rpm.

RR 035T ARTICLE 15

RR 035T 15.1 BOLTS AND FASTENERS

- a) Using titanium or aluminium bolts and fasteners made of titanium or carbon fibre and/or Kevlar shall be forbidden, unless they were originally installed on the motorbike or are included in the CUP Equipment Kit.
- b) Engine bolts may not undergo any machining or change in size as compared to the original bolts. Restoring threads by Helicoil® shall be permitted.

RR 035T ARTICLE 16

RR 035T 16.1 TECHNICAL SAFETY PROVISIONS

- a) When installing tyres on the wheel rim, the direction of rotation specified by the Manufacturer must be complied with.
- b) The tank must be completely filled with spongy flame-retardant material (supplied in the CUP Equipment Kit).
- c) All oil filler and drain plugs, as well as the oil filter, must be secured with a binding steel wire to prevent accidental opening. (A set of perforated oil filler and oil drain plugs shall be supplied in the CUP Equipment Kit).
- d) Motorbikes must have the rear light turned on at all times, even in dry track conditions (see also 12.3.c).
- e) Installing the lever guard supplied in the CUP Equipment Kit (see also 2.1.6.c) shall be mandatory at all times, and must be replaced if obvious scrapes or early signs of breakage are detected.
- f) The exposed ends of the handlebars must have a spherically shaped solid end piece, supplied in the MGFE Equipment Kit.
- g) The ends of the footrests, supplied in the CUP Equipment Kit, must have a spherically shaped solid end piece.
- h) The side kickstand supplied with the model for road use must be removed.

RR 035T ARTICLE 17

RR 035T 17.1 HEATING BLANKETS

- a) Using tyre heating blankets inside the Competition Circuit - and in any case on the start line - shall be forbidden.

RR 035T ARTICLE 18

RR 035T 18.1 PHOTOS AND VIDEO FOOTAGE

- a) Installing any video and/or photographic shooting devices on the motorbike and/or on the rider and/or using any such devices during the competition and official practice shall be forbidden.
- b) Failure to comply with this rule shall result in the Team being automatically disqualified from the Event and excluded from practice and/or competition rankings.

ANNEX 1 List of components included in the CUP Equipment Kit

- 1 front cowl complete with glass
- 1 front cowl complete with glass and hole for headlamp housing
- 1 equipment kit for second rear light complete with wiring
- 1 skid pan complete with fasteners
- 2 side panels
- 1 rear mudguard
- 2 number holder plates complete with fasteners
- 1 seat
- 1 full exhaust system
- 1 air filter complete with filter cover
- 1 front brake disc, complete with spacer for calliper housing
- 1 metal braided brake hose for front brake system
- 1 pair of front pads
- 1 tank sponge
- 1 front brake lever guard
- 1 Oil filler/drain plug kit (perforated plugs for binding)
- 1 rider footrest kit (with standard or reversed gear lever, depending on the riders' request).
- 1 semi handlebar kit
- 1 rear pin complete with stops for track stand
- 2 cylinder protections
- 1 reflective unit (reflector)
- 1 MGFE Trophy Sticker Kit
- Suspension kit (adjustable rear shock absorbers + front fork cartridge kit)
- Central unit with mapping

Note: Bodywork parts are to be considered as RAW.