



# 750 Motor Club Bikesports Championship 2015

## SPORTING & TECHNICAL REGULATIONS



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### 1.1: TITLE & JURISDICTION:

The **BIKESPORTS CHAMPIONSHIP** is organised and administered by the 750 Motor Club Ltd in accordance with the General Regulations of the Royal Automobile Club Motor Sports Association (incorporating the provisions of the International Sporting Code of the FIA) and these Championship Regulations.

1. **MSA Championship Permit No:** CHR2015/R027
2. **MSA Championship Grade:** D.
3. **Race Status:** Clubmans / National B.

### 1.2: OFFICIALS:

1. **Co-Ordinator:** G.Groombridge, The Conservatory Suite, Donington Park, Castle Donington, Derbyshire, DE74 2RP

☎ 01332 814548; ✉ [giles@750mc.co.uk](mailto:giles@750mc.co.uk).

2. **Eligibility Scrutineer:** M. Lambkin-Smith

3. **Championship Stewards:**

R.Knight                      K. Messer                      I.Sowman

### 1.3: COMPETITOR ELIGIBILITY:

1. Entrants must:
  - (a) be fully paid up valid membership card holding members of the 750 Motor Club and
  - (b) be Registered for the Championship and
  - (c) be in possession of a valid MSA Entrants Licences.
2. Drivers and Entrant/Drivers must:
  - (a) Be current Members of the 750 Motor Club and
  - (b) be Registered for the Championship and
  - (c) be in possession of valid Competition (Racing) National B Licence, as a minimum
  - (d) A professional driver, in possession of a valid Licence (featuring an E.U. flag) and medical, issued by the ASN of a member country of the European Union, or comparable country. ((H)26.2.1. applies)
  - (e) If participation in the Championship requires absence from education a driver, in full time school education is required to have the approval of their head teacher and a letter stating such approval from their school in order to fulfil registration for the Championship. A driver shall not take time out of their education to participate in motor sport without the prior written approval of their education establishment.
3. All necessary documentation must be presented for checking at all rounds when signing-on.

### 1.4: REGISTRATION:

1. All competitors must register for the championship by returning the Registration Form with the Registration Fee to the Coordinator prior to the Final Closing date for the first round being entered.
2. The Registration Fee is £120 payable upon registration.
3. Registration numbers will be the permanent Competition number for the Championship.

### 1.5: CHAMPIONSHIP ROUNDS:

The **BIKESPORTS CHAMPIONSHIP** will be contested over the following rounds:

Date	Circuit	Round/s
29 March	Donington Park	2
2 May	Silverstone Nat	2
21 June	Cadwell Park	2
22 August	Silverstone	2
13 September	Snetterton 300	2
3 October	Donington Park	2

### 1.6: SCORING:

1. The Championship will maintain three points tables:
  1. Overall Championship. Points will be awarded to competitors listed in the Final Results as follows:- 25, 22, 20, 18, 16, 14, 12, 10, 8, 7, 6, 5, 4, 3, 2, all other finishers 1, non finishers 1. A point is awarded for fastest lap.
  2. Class Championship. Points will be awarded in each class to competitors listed in the Final Results as follows:- 25, 22, 20, 18, 16, 14, 12, 10, 8, 7, 6, 5, 4, 3, 2, all other finishers 1, non

finishers 1. A point is awarded for fastest lap subject to a minimum of 2 starters in class.

3. Team Challenge. Where two drivers are registered in the Team Challenge and are sharing a car, their points scored (as per 1.6.1) will be combined and they will compete for the Team Challenge Awards as per 1.7.

2. The totals from all qualifying rounds run (excluding any races which are abandoned and which are not replaced) less 2 will determine the final championship points positions.
3. Ties shall be resolved using the formula in (W)1.3.4. in the current MSA Yearbook.
4. Where the race distance has been reduced (2.6.) it shall still count as a full points scoring round.
5. Competitors not registered for the Championship may be permitted on an individual round basis and will:
  - (a) be deemed "Guest Competitors"
  - (b) not score points and for the purpose of points scoring will be ignored
  - (c) qualify for Event awards
  - (d) comply with the eligibility criteria as prescribed in Article 1.3. above, with the exception of 1.3.1. (b) and 1.3.2. (b), as appropriate
6. Where two drivers are registered in the Team Challenge and are sharing a car, their points scored (as per 1.6.1) will be combined and they will compete for the Team Challenge Awards as per 1.7.3. Each driver must contribute at least 4 scores to the team total.

### 1.7: AWARDS:

1. All awards are to be provided by the Organising Club unless agreed otherwise.
2. Per Round: Trophies to 1st, 2nd and 3rd.
3. Championship: Subject to a minimum of 5 race starts, trophies to:- 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> overall & in each class. Best prepared car.
4. Presentations: Awards will be presented at the end of each event, and/or at the end of the Championship at the designated presentation ceremony.
5. Entertainment Tax Liability: {deleted}
6. If Provisional Results or Championship Tables are revised after any presentations and these revisions affect the distribution of awards the Competitors concerned must return them to the organisers in good condition within 7 days.

## 2: CHAMPIONSHIP EVENT MEETINGS & RACE PROCEDURES

### 1. ENTRIES:

1. Competitors are responsible for sending in correct and complete entries with the correct entry fee prior to the closing date for entries before each event.
2. Incorrect or incomplete entries (Including Driver to be Nominated Entries) are to be held in abeyance until they are complete and correct and the date of receipt for acceptance of entry purposes shall be the date on which the Meeting Organiser receives the missing or corrected information or fee.
3. Any withdrawal of Entry or Driver/Car changes made after acceptance of any entry must be notified to the Meeting Organisers in writing. D25.1.12. applies.
4. The Entry Fee for each event shall be specified in the SRs and on the entry form.
5. Reserves will be listed in the Final List of Entries published with Final Instructions or in a Bulletin.

2. **BRIEFINGS:** Organisers should notify Competitors of the times and locations for all briefings in the Final Instructions for the meetings. Competitors must attend all briefings.

### 3. QUALIFICATION PRACTICE:

1. Should any Practice session be disrupted the Clerk of the Course shall not be obliged to resume or re-run the session; the decision of the Clerk of the Course shall be final.
2. Each driver shall complete a minimum of 3 laps in the car to be raced, and in the correct session, in order to qualify (MSA



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Regulations Q4.5).

**4. RACES:** Should any race be disrupted the Clerk of the Course shall not be obliged to resume or rerun the race ((Q)5.4.) (1.6.4. above applies)

### 5. STARTS:

1. All cars will be released to form up on the grid prior to the start in formation as specified on the grid sheet.
2. The start will be via Standing start. The minimum Countdown procedures/audible warnings sequence shall be:-
  - I. 1 minute to start of Green Flag/Pace Lap - Start Engines/Clear Grid.
  - II. 30 Seconds - Visible and audible warning for start of Green Flag/Pace Lap.
  - III. A five second board will be used to indicate that the grid is complete.
  - IV. The red lights will be switched on five seconds after the board is withdrawn.
3. Any car removed from the grid after the 1 minute stage or driven into the pits on the Green Flag lap shall be held in the pitlane and may start the race after the last car has passed the startline or pitlane exit, whichever is the later to take the start from the grid.
4. Any driver unable to start the Green Flag/Pace lap or start are required to indicate their situation as per MSA Regulation (Q)12.13.2. In addition any driver unable to maintain grid positions on the Green Flag Lap, to the extent that ALL other cars are ahead of them, may complete the Green Flag lap but MUST remain at the rear of the last row of the grid but ahead of any cars to be started with a time delay.
5. In the event of any starting lights failure the Starter will revert to use of the National Flag.

**6. SESSION RED FLAG:** Should the need arise to stop any race or practice, RED LIGHTS will be switched on at the Startline and RED FLAGS will be displayed at the Startline and at all Marshals Signalling Points around the Circuit. This is the signal for all drivers to cease circulating at racing speeds, to slow to a safe and reasonable pace and to return to the pit lane, during practice, and to the starting grid area, during a race, unless otherwise directed by officials. Cars may not enter the Pits unless directed to do so. Work on cars already in the Pits must cease when a race is stopped.

### 7. PITS, PADDOCK & PITLANE SAFETY:

- 1 Pits & Paddock: Competitors must ensure that the MSA, Circuit Management and Organising Club Safety Regulations are complied with at all times.
2. Pitlane: The outer lane or lanes are to be kept unobstructed to allow safe passage of cars at all times. The onus shall be on all Drivers to take all due care and respect the pit lane speed limits.
3. Refuelling: May only be carried out in accordance with the MSA General Regulations, the Organising Club Regulations, Circuit Management Regulations and the SRs or Final Instructions issued for each Circuit/Meeting.
4. Speed Limit: Pit Lane Speed Limit will be 60 km/h.

**8. RACE FINISHES:** After taking the Chequered Flag drivers are required to:

- I. progressively and safely slow down
- II. remain behind any competitors ahead of them,
- III. return to the Pit Lane Entrance/Paddock Entrance as instructed,
- IV. comply with any directions given by Marshals or Officials
- V. keep their helmets on and harnesses done up while on the circuit or in the pitlane.

**9. RESULTS:** All Practice Timesheets, Grids, Race Results are to be deemed Provisional until all vehicles are released by Scrutineers after Post Practice/Race Scrutineering and/or after completion of any Judicial or Technical Procedures. (MSA regulation (D)26.3.)

**10. TIMING MODULES:** The 750 Motor Club utilises AMB transponder-based timing and competitors must have a compatible transponder fitted and working and advise the race organisers of its number prior to the event. The transponder is a TRANX 260 Direct Powered and is available from HS Sports Ltd – 01260 275708.

**11. QUALIFICATION RACES:** If any event is oversubscribed the Organising Club may at their discretion run Qualification Races.

**12. OPERATION OF SAFETY CAR: {deleted}**

**13. ONBOARD CAMERAS: {deleted}**

### 3: SPECIFIC CHAMPIONSHIP REGULATIONS

In the event of any rounds being oversubscribed the Organising Club may, in liaison with the Championship Coordinator, at their discretion run Qualification races as per 2.11 of these regulations. Alternatively at double header race meetings, should there be sufficient space within the timetable, the Organising Club may divide the grid after qualifying into 3 separate Groups. The Groups will then form 3 races whereby each competitor participates in two races. All 3 races will be eligible for full championship points.

At each Round of the championship Race 1 grid positions will be determined by each competitors fastest lap time in Qualifying. The race 1 result positions for the top 8 finishing drivers will be reversed to determine the top 8 grid positions in race 2. Furthermore a repeat win success penalty will apply. If a driver is the overall race winner in 3 consecutive races he has entered he will start from the last grid position at the back of the grid for the 4th race.

### 4: SPECIFIC CHAMPIONSHIP PENALTIES:

In accordance with Section C of the current MSA Yearbook

#### 4.1: INFRINGEMENT OF TECHNICAL REGULATIONS:

1. Arising from post practice Scrutineering or Judicial Action: Minimum Penalty: The provisions of MSA Regulations: C3.3.
2. Arising from post race Scrutineering or Judicial Action: Minimum Penalty: The provisions of MSA Regulations: C3.5.1 (a) and (b).  
For infringements deemed to be of a more serious nature the Clerk of the Course will invoke the provisions of Regulation C3.5.1 (c).

#### 4.2: ADDITIONAL SPECIFIC CHAMPIONSHIP PENALTIES

### 5: TECHNICAL REGULATIONS

#### 5.1: INTRODUCTION:

The following Technical Regulations are set out in accordance with the MSA specified format and it should be clearly understood that if the following texts do not clearly specify that you can do it, you must work on the principle that you cannot. The fact that some modifications are mentioned as prohibited does not imply that others are allowed.

**STANDARD:** The word 'standard' used within these technical regulations as a description of components is to be interpreted as per 'Standard Part' defined in Section B – Nomenclature & definitions in the MSA Blue Book. Checking will be by comparison to spare parts supplied by the manufacturer's official agent or by any other means necessary to ensure compliance.

#### 5.2: GENERAL DESCRIPTION:

The **BIKE-SPORTS CHAMPIONSHIP** is for Competitors participating in "sports-racing" cars powered by series-production 4-stroke motorcycle engines; this will include two-seater cars and those with a centralised position, thereby making the car a single-seater. Cars will run in classes as follows:-

Class	Capacity cc
A	1357 cc - 1500 cc



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B	1201cc -1356cc for single-seater cars and 1301cc - 1356cc for two-seater cars.
C	Up to 1200cc for single-seater cars and up to 1300cc for two-seater cars.
D	Up to 1000 cc

Class D cars up to 1000cc. Engines must have been fitted to production motorcycles prior to 1/1/10. Entries in class D must be accompanied by the car's current engine number. If an engine is changed during the season the replacement engine number must be provided to the formula committee prior to the vehicle competing in a championship event.

### 5.3: SAFETY REQUIREMENTS:

The following Articles of MSA Section K Safety Criteria Regulations will apply:- K1.6.1 or 1.6.4, K 2.1.3, K 3.1.2.a), K 5 – 14.

### 5.4: GENERAL TECHNICAL REQUIREMENTS & EXCEPTIONS:

All cars must comply with the requirements of sections J and Q19 of the current MSA Yearbook. All vehicles must be of sound construction and mechanical condition and be well maintained. Towing eyes must have a minimum internal diameter of 60mm; (note the tow eye may be of either a suitable rigid or flexible material bolted to the chassis).

As a minimum, two mirrors must be fitted, each with a minimum surface area of 50 sqcms and giving a clear view to the rear, one on each side of the centreline of the vehicle.

### 5.5: CHASSIS:

Chassis must be constructed either of a tubular steel spaceframe or an aluminium or steel monocoque. Fibreglass or composite monocoques are only permitted if a rollcage complying with MSA Regulation Section K drawings 3 or 4 is fitted. Carbon-fibre chassis are not permitted.

### 5.6: BODYWORK:

Bodywork between front and rear wheels must have a minimum width equal to or greater than the width across the front or rear tyres, whichever is the greater, less 15cm (5.9") and must have a minimum height equal to or greater than the height of the plane passing through the front and rear axle centre lines. Ducts in the side of the body to exhaust air from the front wheel wells or to act as an intake or exhaust for cooling air for radiators are permitted but the body forming the duct must have a minimum section depth of 50mm. This height must be equalled or exceeded for all of the body excluding the cockpit opening. The bodywork covering the wheel (the mudguard) must form a continuous surface and be integral with the body covering the chassis. Cycle-type mudguards (which only cover the tyre and are not continuous with the rest of the body) are prohibited. Mudguards shall be firmly attached to the bodywork with no gap, in any plane, except for those of abutting panels, between body and mudguard. Standard manufacturer's bodywork (e.g. Radical, Global, ADR etc) may be fitted. Louvres are permitted in bodywork in compliance with MSA regulation J.5.2.6 a).

A rear aerofoil is permitted, but must not be wider than the bodywork. Front aerofoils are not permitted. Front spoilers, splitters, air dams, dive plates etc are permitted.

**Ground Clearance- all classes:** As per MSA regulation J5.20.11.

**ALL VEHICLES:** The engine and, on front-engined cars the transmission, must be fully enclosed. It is permitted for the air exit from a front-mounted radiator to exhaust through the top surface of the bodywork without any covering but the ducting between the bodywork and the radiator must ensure that the radiator hoses and piping are fully shielded from this ducting.

**FRONT ENGINED CARS:** Air filters may protrude through the bonnet without the need for any cover but must have an effective seal between them and the bonnet; any other holes in the upper surface of the bodywork forward of the steering wheel plus any holes in the side surfaces of the bodywork forward of the steering wheel

above a longitudinal line joining the top of the front and rear wheel rims, must be covered with solid bodywork having only a forward facing opening, forward facing louvers or with a metallic gauze with a maximum hole size of 1mm; holes solely for the exhaust system do not require any cover/gauze but must be a reasonably close fit.

### 5.7: ENGINE:

Multiple engine installations are not permitted. Any naturally aspirated series-production 4-stroke motorcycle engine may be used.

**5.7.1 Class D:** Cars competing in class D must be powered by engines that conform to the regulations below.

Any pre 01/01/10 series-production four stroke motorcycle engine with manufactures quoted capacity up to 1000cc.

Provided the specification of the engine is identical in all ways to the 2008 specification.

For example: Year:

K7 & K8 Suzuki gsxr 1000,	2007-2008
4c8 Yamaha YZF R1,	2007-2008
Honda CBR1000rr,	2008-2009
Kawasaki ZX10r,	2008-2009

The **ENGINE** must remain **ENTIRELY** standard apart from the Permitted Modifications stated in these regulations (Section 5.7.1).

Limited Edition engines are not permitted.

Lubrication is free and may have oil pickups, sumps and drain holes modified. Dry Sumps, modified sumps and pick up pipes are permitted. Oil coolers are permitted provided they are within the periphery of the vehicle.

1. Modifications Permitted:

As per 5.7.1

2. Modifications Prohibited:

Any other than those permitted in 5.7.1

3. Oil / Water cooling:

Any system may be used for oil and water cooling provided radiators are within the periphery of the vehicle. Oil hose connectors must be either swaged fittings, 'Aeroquip' type compression fittings or high quality high pressure fittings. The use of hose clips on oil hoses is strictly prohibited.

4. Induction System:

Air filtration is free. The induction system must be standard for the engine being used. Jetting of carburettors is free.

5. Exhaust system:

Exhaust system including the manifold is free but must comply with MSA noise regulations.

6. Ignition system:

The Standard ECU's rev limiter must remain in operation with standard manufactures stated settings. Ignition cutting systems for the purpose of full throttle gear changing is permitted. The Standard ECU for the engine must be used as the main control of engine management. The standard engine ECU must not be modified in anyway. In particular it is not permitted to change the ignition, fuel or any other mapping or configuration in anyway. The 750 mc reserves the right to exchange the ECU in any car for an equivalent manufactures standard unit to enable checks to be carried out. The use of a 'piggy-back' device, in conjunction with the standard ECU to modify fuelling and ignition is permitted provided it does not contravene the remainder of 5.7.6. Approved piggy-back devices are the Dynojet Power Commander PCII, PCIII, PCIIIr, PCIIIusb, PCV and PCV secondary fuel module.

The standard ECU and any piggy-back device should be easily accessible for scrutineering purposes. Any manufacturer markings on the ECU and any piggy-back device must remain intact and easily visible.

7. Fuel delivery systems:

Fuel pump and fuel lines are free, subject to MSA regulations.



### 5.7.2 All other classes and cars:

#### 1: Modifications Permitted:

The crankshaft is free, subject to engine capacity remaining within the capacity limit for the class entered.

Cylinder Bore may be enlarged to help increase engine capacity or be altered as a wear allowance subject to engine capacity remaining within the capacity limit for the class entered.

Pistons are free.

Connecting rods are free.

The standard cylinder head must be retained but may be modified by the removal or addition of material.

Polishing and flowing of the head is permitted.

It is permitted to repair damaged valve seats and guides.

The valves are free with regard to size and material but must remain in the standard production position.

Camshafts are free.

The use of vernier pulleys is permitted

Cam chain and cam chain tensioners are free.

Valve spring retainers & valve springs free.

Flywheel and clutch are free.

**2: Gear Box:** The gear box must remain as part of the Bike engine within the engine casing arrangement as per the Bike manufacturer standard configuration.

The use of stronger billet selector forks and stronger/different gears are permitted.

Stronger/heavier duty output shafts are permitted.

**3: Modifications Prohibited:** No material may be added to the crankcase or cylinder block.

**4. Location:** Front or rear engine.

#### 5. Oil/Water cooling:

Any system may be used for oil and water cooling provided radiators are within the periphery of the vehicle.

Oil hose connectors must be either swaged fittings, 'Aeroquip' – type compression fittings or good quality high-pressure fittings. (The use of hose-clips on oil pipes is prohibited due to the extreme pressures developed by bike engines.)

**Lubrication system:** Free and may have the oil pick-ups and drain holes modified to suit the installation.

Dry sump systems, modified sumps and pick-up pipes are permitted.

Oil coolers are permitted provided they are within the overall periphery of the vehicle.

#### 6. Induction Systems: Free.

Throttle body or carburettor size is free

Injectors are free

Forced induction is not permitted except that from forward motion of the vehicle body in free air.

**Fuel delivery systems:** Fuel pump and fuel lines are free, subject to MSA regulations.

#### 7. Exhaust systems: All engine sizes

Exhaust systems including manifold are free but must comply with MSA noise restrictions as per MSA yearbook J5.16.5 & J.5.17.

**8. Ignition systems:** The ECU is free.

### 5.8: SUSPENSIONS:

Free, but active suspension is not permitted.

### 5.9: TRANSMISSIONS:

**Chain Guard:** All cars must be fitted with a chain guard of a suitable design and material which as a minimum runs from the mid-point of the upper free chain length to the horizontal centreline of the rearmost sprocket; the guard must be securely mounted to the chassis by welding or by threaded fasteners.

Final drive may be by chain or gear; a limited slip differential or similar may be fitted. Full throttle, flat shift, and trick shifters are permitted.

**Reverse:** A reverse gear to MSA regulations must be fitted.

#### Prohibited Modifications:

CLASS D:

Electronic traction control is not permitted.

### 5.10: ELECTRICS

**1. Exterior Lighting:** Not applicable.

**2. Rear Warning Light:** An LED rear fog light to EU regulation 7, an FIA homologated LED rear warning light, or an LED stop light to EU regulation 38 is mandatory and must be mounted in accordance with MSA Regulation K5. Where high bodywork behind the rollcage may prevent the light being fully visible, the light may be fitted to the rear of that bodywork at an equivalent height within 10cms of the centreline of the car.

**3. Batteries:** A battery and starter motor capable of repetitive starts must be fitted and operable by the driver whilst normally seated.

**4. Charging system:** The standard production charging system for the engine must be fitted and electrically connected so that the standard battery charging function is providing a charge to the onboard battery.

### 5.11: BRAKES

Free.

### 5.12: WHEELS / STEERING

Rim dimensions are free in all classes.

### 5.13: TYRES

Tyres are free in all classes. The use of tyre heating/heat retention devices, tyre treatments and compounds is prohibited.

### 5.14: VEHICLE WEIGHT:

**Minimum weights including driver with overalls, helmet etc, post practice or race, with no allowance for topping up of fluids, are:-**

Class A = 660 Kgs

Class B = 550 Kgs

Class C = 530 Kgs

Class D = 520 Kgs

### 5.15: FUEL TANK / FUEL

**1. Types:** F.I.A homologated safety tanks are mandatory if fitted outside the chassis frame. A non-return valve must be incorporated in the vent system.

**2. Locations:** May not be located in the cockpit unless it is separated from the driver by a fireproof bulkhead, otherwise free.

**3. Fuel:** Only petrol as defined in Section B Nomenclature & Definitions, Pump Fuel a) section of the MSA Yearbook for the current year and complying with BS4040, BSEN228 or BS7800 may be used; fuel which exceeds the stated RON (max) levels in Appendix 1 of Section B Nomenclature & Definitions is prohibited even if it is sold/promoted as being legal for UK Competition and/or obtainable from 'roadside' pumps. The use of additives by competitors which boost the octane rating (RON) in any petrol is prohibited. At the end of practice and the race at least 3 litres of petrol from the tank of the competing car must be available to the scrutineers for analysis. Compliance with minimum weight for the car will be taken before the petrol is removed.

### 5.16: SILENCING:

All vehicles must comply with the relevant maximum noise limits set out in MSA Blue Book regulation J. Chart 5.18.



### 5.17: NUMBERS & CHAMPIONSHIP DECALS

**1. Positions:** Race numbers must be displayed on each side of the vehicle alongside the cockpit/driver and as far forward on the front of the vehicle as possible. Numbers may be white numbers on coloured backgrounds or black numbers on white backgrounds. 750 Motor Club decals must be affixed

prominently near all number backgrounds. Championship Sponsor's decals (where applicable) must be affixed in or near the positions detailed on the diagram supplied with those decals. 750 Motor Club and Championship Sponsor's decals must take preference to any other decals. Failure to comply will render the vehicle and driver ineligible to race.

**2. Suppliers:** Sponsors and Club decals will be available at the first Championship race in which the vehicle is entered

