



5TH CATEGORY - HISTORIC RACING

GROUP Sb

APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with an Historic Log Book, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current CAMS Manual of Motor Sport.

Make of Car: Triumph **Model::** Spitfire **Mk 1 / 2 / 3**

Period of Original Manufacture: Mk 1 1962/ 1-66. Mk 2 1966/ 3-68 . Mk 3 1968/ 6-71.

CAMS Historic Group: Sb

Date of Issue of this Document: 6th June 2002

Updated: 16/08/12

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description:	Backbone Steel Channel	Period of Manufacture:
Manufacturer:	Standard Triumph	1962 - 71
Chassis no. from:	Mk3 from FD1	Mk 3 from 10/01/67
Chassis no. location:	Front X - Member	
Material:	Steel	
Comments:		

1.2 FRONT SUSPENSION

Description:	Independent - Upper & Lower Wishbones	
Spring medium:	Coil	
Damper Type:	Telescopic	Adjustable: Optional
Anti-sway bar:	Fitted	Adjustable: No
Suspension adjustable:	No	Method:
Comments:	Spring Rates & Ride Height Free	

1.3 REAR SUSPENSION

Description:	Independent –Swing Axle	
Spring medium:	Transverse Leaf, Mk3 single leaf	
Damper type:	Telescopic	Adjustable: Optional
Anti-sway bar:	Not Fitted	Adjustable:
Suspension adjustable:	No	Method:
Comments:		

1.4 STEERING

Type	\Rack & Pinion	Make:	Triumph
Comments:			

1.5 BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	229mm	177.8 x 32.75 mm
Material of drum/disc	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	1	1
Actuation:	Hydraulic	Hydraulic
Caliper: Make, Material, Type:	Girling – Cast Iron	
Master cylinder make:	Girling	Type Single
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Twin Master Cylinders Permitted	

SECTION 2 - ENGINE

2.1 ENGINE

Make: Standard Triumph
Model: Spitfire
No. cylinders: 4 **Configuration:** In Line
Cylinder Block-material: Cast Iron **Four Stroke**
Mk 1 / 2 Mk 3 Mk 1 / 2 Mk 3
Bore - Original: 69.3mm 73.7mm **Max. allowed:** 70.8mm 75.2mm
Stroke - original: 76mm 76mm **Max. allowed:** 76mm 76mm
Capacity - original: 1147cc 1297cc **Max. allowed:** 1180cc 1342cc
Cooling method: Water
Identifying marks:
Comments:

2.2 CYLINDER HEAD

Make: Triumph
No. of valves/cylinder- 2 **Inlet:** 1 **Exhaust:** 1
No. of ports total: 5 **Inlet:** Mk 1&2 2 Mk3 4 **Exhaust:** 4
No. of camshafts: 1 **Location:** Block **Drive:** Chain
Valve actuation: Pushrod
Spark plugs/cylinder: 1
Identifying marks:
Comments:

2.3 LUBRICATION

Method: Wet Sump **Oil tank location:**
Dry sump pump type: **Location:**
Oil cooler standard: No **Location:**
Comments: Oil Cooler Permitted

2.4 IGNITION SYSTEM

Type: Coil & Distributor
Make: Lucas/Bosch
Comments:

2.5 FUEL SYSTEM

Carburettor: Make: SU x 2 **Model:** HS2
Fuel injection Make: **Type:**
Supercharged: **Type:**
Comments: Carburettor Bore Size Free
Alternate approved carburetion: Mk.3 - 1 x Weber DCOE
Mk.1/2 - 1 x 2 Choke Solex

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Various **Type:** Diaphragm **Diameter:**
No. of Plates: 1
Actuation: Hydraulic
Comments:

3.2 TRANSMISSION

Type: 4 Speed Synchromesh
Overdrive Optional
Make: Triumph
No. forward speeds: 4 (+ O/D Optional) **Gearbox location:** Behind Engine
Gear change type and location: Floor Remote
Case material: Cast Iron **Identifying marks:**
Comments:

3.3 FINAL DRIVE

Make: Triumph **Model:** Spitfire
Wheel drive method: Rear
Ratios: Various
Differential: Free **Type:** Hypoid
Comments: Limited Slip Diff. Permitted

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 3 **Location:**
Description: Tail shaft with U/J's & Individual Drive shafts with U/J's
Comments:

3.5 WHEELS & TYRES

Wheel type - Original:	Pressed Steel or Wire Spoke	Material - Original:	Steel
Allowed:	Steel, Wire or Alloy	Allowed:	Steel / Alloy
Fixture method:	4 Stud or Centre Lock	No. studs:	4
	FRONT		REAR
Wheel dia. & rim width - Original:	3.5 or 4 x 13		3.5 or 4 x 13
Allowed :	4.5 X 13 Mk 3		4.5 X 13 Mk 3
Tyre Section - Original:	5 x 13		5 x 13
Allowed :	5.20 x 13		5.20 x 13
Aspect ratio - minimum:	175 x 13		175 x 13
Comments:	60%		60%
	Pressed Steel, Period Alloy or Centre Lock Wire Spoke Wheels Permitted		

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location: Rear **Capacity:**
Fuel pump, type and location: Mechanical **Make:**
Comments: Fuel Pump/s Free

4.2 ELECTRICAL SYSTEM

Voltage: 12 **Generator/Alternator fitted:**
Battery Location: Alternator
Comments:

4.3 BODYWORK

Type: Sports Roadster **Material:** Steel
No. of seats: 2 **No. doors:** 2
Comments:

4.4 DIMENSIONS

Track - Front: 1245mm **Rear:** 1220mm From Chassis FH5001
1270mm
Wheelbase: 2110mm **Overall length:** 3685mm Mk3 3730mm
Dry weight: 675kg Mk3 740 kg
Comments:

4.5 SAFETY EQUIPMENT : *Refer applicable Group Regulations*