



5TH CATEGORY - HISTORIC RACING

**GROUP Nc**

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::** Mark 2 2.5 PI

**Period of Original Manufacture:** 1970-- 1974

**CAMS Historic Group:** Nc

**Date of Issue of this Document:** 22<sup>nd</sup> March 2002



This form was issued without alteration or erasure.

## SECTION 1 - CHASSIS

### 1.1 CHASSIS FRAME

**Description:** Unitary Construction **Period of Manufacture:** 1970 -- 1974  
**Manufacturer:** Triumph / AMI  
**Chassis no. from:**  
**Chassis no. location:** Engine Bay  
**Material:** Steel  
**Comments:**

### 1.2 FRONT SUSPENSION

**Description:** Independent - McPherson Struts  
**Spring medium:** Coil  
**Damper Type:** Telescopic - Internal **Adjustable:** No  
**Anti-sway bar:** Fitted **Adjustable:** Optional  
**Suspension adjustable:** No **Method:**  
**Comments:** Spring Rates and Ride Height Free. Refer Group Nc regulations for permitted modifications.

### 1.3 REAR SUSPENSION

**Description:** Independent - Trailing Arms  
**Spring medium:** Coil  
**Damper type:** Telescopic **Adjustable:** Optional  
**Anti-sway bar:** Not Fitted **Adjustable:**  
**Suspension adjustable:** No **Method:**  
**Comments:** Spring Rates and Ride Height Free. Refer Group Nc regulations for permitted modifications

### 1.4 STEERING

**Type:** Rack & Pinion **Make:** Triumph  
**Comments:**

### 1.5 BRAKES

	Front	Rear
<b>Type:</b>	Disc	Drum
<b>Dimensions:</b>	248 mm	228 x 44 mm
<b>Material of drum/disc</b>	Cast Iron	Cast Iron
<b>No. cylinders/pots per wheel:</b>	2	1
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper: Make, Material, Type:</b>	Girlock - Cast Iron	
<b>Master cylinder make:</b>	Girlock	Type Tandem
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	
<b>Comments:</b>	Dual Master Cylinders permitted. Servo may be rendered inoperative. Refer Group Nc regulations for permitted modifications.	

## SECTION 2 - ENGINE

### 2.1 ENGINE

**Make:** Triumph  
**Model:** 2500  
**No. cylinders:** 6 **Configuration** In Line  
**Cylinder Block-** Cast Iron **Four Stroke**  
**material:**  
**Bore - Original:** 74.7mm **Max. allowed:** 76.2mm  
**Stroke - original:** 95mm **Max. allowed:** 95mm  
**Capacity - 2498cc** **Max. allowed:** 2598cc  
**original:**  
**Cooling method:** Water  
**Identifying marks:**  
**Comments:** Refer Group Nc regulations for permitted modifications

### 2.2 CYLINDER HEAD

**Make:** Triumph  
**No. of valves/cylinder-** **Inlet:** 1 **Exhaust:** 1  
**No. of ports total:** 12 **Inlet:** 6 **Exhaust:** 6  
**No. of camshafts:** 1 **Location:** Block **Drive:** Chain  
**Valve actuation:** Pushrod  
**Spark plugs/cylinder:** 1  
**Identifying marks:**  
**Comments:** Refer Group Nc regulations for permitted modifications.

### 2.3 LUBRICATION

**Method:** Wet Sump **Oil tank location:**  
**Dry sump pump type:** **Location:**  
**Oil cooler standard:** No **Location:**  
**Comments:** Oil Cooler Permitted. Refer Group Nc regulations for permitted modifications

### 2.4 IGNITION SYSTEM

**Type:** Coil & Distributor  
**Make:** Lucas  
**Comments:** Refer Group Nc regulations for permitted modifications

### 2.5 FUEL SYSTEM

**Carburettor: Make:** **Model:**  
**Fuel injection Make:** Lucas **Type:** Mechanical  
**Supercharged:** **Type:**  
**Comments:**

## SECTION 3 - TRANSMISSION

### 3.1 CLUTCH

**Make:** Various      **Type:** Diaphragm      **Diameter:** Various  
**No. of Plates:** 1  
**Actuation:** Hydraulic  
**Comments:** Clutch & method of actuation are free

### 3.2 TRANSMISSION

**Type:** Triumph 4 Speed Synchromesh  
**Make:** Triumph  
**No. forward speeds:** 4 (Overdrive Optional)      **Gearbox location:** Behind Engine  
**Gearchange type and location:** Central - Remote  
**Case material:** Cast Iron      **Identifying marks:**  
**Comments:** Ratios Free. Refer Group Nc regulations for permitted modifications

### 3.3 FINAL DRIVE

**Make:** Triumph      **Model:**  
**Wheel drive method:** Rear  
**Ratios:** Various  
**Differential:** Free      **Type:** Hypoid Bevel  
**Comments:** Ratios Free. Limited Slip Differential permitted. Refer Group Nc regulations for permitted modifications.

### 3.4 TRANSMISSION SHAFTS (EXPOSED)

**Number:** 3      **Location:** Tailshaft and Driveshafts  
**Description:** Individual Driveshafts and Tubular Tailshaft  
**Comments:**

### 3.5 WHEELS & TYRES

<b>Wheel type - Original:</b>	Pressed Steel	<b>Material - Original:</b>	Steel
<b>Allowed:</b>	Steel or Period Alloy	<b>Allowed:</b>	Steel or Alloy
<b>Fixture method:</b>		<b>No. studs:</b>	4
	<b>FRONT</b>		<b>REAR</b>
<b>Wheel dia. &amp; rim width - Original:</b>	5 x 13		5 x 13
<b>Allowed :</b>	7 x 13		7 x 13
<b>Tyre Section - Original:</b>	175 x 13		175 x 13
<b>Allowed :</b>			
<b>Aspect ratio - minimum:</b>	60% Min.		60% Min.
<b>Comments:</b>	Refer Group Nc regulations for permitted modifications.		

## SECTION 4 - GENERAL

### 4.1 FUEL SYSTEM

Tank Location: Rear Capacity: 64 Litres  
Fuel pump, type and location: Electric Make: Lucas  
Comments: Fuel Pump is Free

### 4.2 ELECTRICAL SYSTEM

Voltage: 12 Generator/Alternator fitted:  
Battery Location: Engine Bay Alternator  
Comments:

### 4.3 BODYWORK

Type: Four Door Sedan Material: Steel  
No. of seats: 4/5 No. doors: 4  
Comments:

### 4.4 DIMENSIONS

Track - Front: 1330mm Rear: 1340mm  
Wheelbase: 2690mm Overall length: 4650mm  
Dry weight: 1200kg  
Comments:

4.5 SAFETY EQUIPMENT : *Refer applicable Group Regulations*