



5TH CATEGORY - HISTORIC RACING
GROUP S
 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 Motorsport Australia Manual.

Make of Car:	Triumph	Model:	TR2
Period of Original Manufacture:	July 1953 – October 1955		
Motorsport Australia Historic Group:	Sa		
Date of Issue of this Document:	30/6/2022		



Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Steel ladder frame
Period of Manufacture:	July 1953 – October 1955
Manufacturer:	Triumph
Chassis Number From:	TS1 – TS8636
Chassis Number location:	Firewall
Material:	Mild steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent – upper and lower wishbones		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Fitted	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride height are free		

1.3. REAR SUSPENSION

Description:	Live axle		
Spring Medium:	Semi elliptic leaf		
Damper Type:	Armstrong lever arm	Adjustable	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride height are free		

1.4. STEERING

Type:	Cam and lever	Make:	Triumph
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Drum	Drum
Dimensions:	254 mm	254 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	
Caliper type:		
Material:	Cast iron	
Master cylinder make:	Lockheed	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	Servo and/or Tandem master cylinders are permitted.	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Triumph		
Model:	TR2		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	83 mm	Max allowed:	84.5 mm
Stroke - original:	92 mm	Max allowed:	92 mm
Capacity - original:	1991 cc	Max allowed:	2064 cc
Identifying marks:	Engine number under #3 spark plug		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Triumph		
No. of valves/cylinder:	Two	Inlet:	One
		Exhaust:	One
No. of ports total:	Eight	Inlet:	Four
		Exhaust:	Four
No. of camshafts:	One	Location:	Block
		Drive:	Chain
Valve actuation:	Pushrod and rockers		
Spark plugs/cylinder:	One		
Identifying marks:	N/A		
Comments:	None		

2.3. LUBRICATION

Method:	Wet sump	Oil tank location:	N/A
Dry sump pump type:	N/A	Location:	N/A
Oil cooler standard:	No	Location:	N/A
Comments:	None		

2.4. IGNITION SYSTEM

Type:	Points, Coil and Distributor		
Make:	Lucas		
Comments:	None		

2.5. FUEL SYSTEM

Carburettor Make:	SU	Model:	HX4
Carburettor Number:	Two		
Size:	1 ½ "		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Carburettor throat size unrestricted		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Dry plate
Diameter:	229 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	Clutch free

3.2. TRANSMISSION

Type:	Syncromesh (2 nd , 3 rd , 4 th)
Make:	Triumph TR2
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Floor remote
Case material:	Cast iron
Identifying marks:	N/A
Comments:	Overdrive optional. Ratios free

3.3. FINAL DRIVE

Make:	Triumph	Model:	TR2
Wheel drive method:	Rear		
Ratios:	3.7:1 (standard)		
Differential type:	Hypoid bevel – free		
Comments:	Limited slip differential permitted. Ratios free		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Gearbox to final drive
Description:	Tubular tailshaft with universal joints
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Disc Wire Spoke	Material - Original:	Steel
Wheel type - Allowed:	Disc Wire Spoke	Material - Allowed:	Steel
Fixture method:	Studs Centre lock	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4.5" x 15"		4.5" x 15"
Allowed	5" x 15"		5" x 15"
Tyre Section:			
Original:	5.5 x 15"		5.5 x 15"
Allowed:	185 x 15"		185 x 15"
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	In boot	Capacity:	45 litres
Fuel pump, type:	Mechanical	Make:	
Comments:	Electric fuel pump permitted		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Generator
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Two seat sports roadster	Material:	Steel
No. of seats:	Two	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1143mm	Rear:	1155 mm
Wheelbase:	2235 mm	Overall length:	3835 mm
Dry weight:	970 kg (approximately)		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix