



5TH CATEGORY - HISTORIC RACING

**GROUP Na**

APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with a 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:** Jaguar **Model:** 3.4 (Mk 1)  
**Period of Original Manufacture:** 1955 – 59  
**CAMS Historic Group:** Na  
**Date of issue of this document:** Nov 2014



Refer to CAMS Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars, General Requirements & Na Regulations for permitted modifications.

## **SECTION 1 - CHASSIS**

### **1.1 CHASSIS FRAME**

**Description:** Uni - body  
**Period of Manufacture:** 1955 – 59  
**Manufacturer:** Jaguar  
**Chassis no. from:** 900001-916250 = RHD, 940001 – 943742 = LHD  
**Chassis no. location:** Front radiator support panel, body number on rear floor under seat.  
**Material:** Steel

### **1.2 FRONT SUSPENSION**

**Description:** Independent with upper & lower wishbones  
**Spring Medium:** Coil  
**Damper Type:** Telescopic **Adjustable:** Yes  
**Anti-sway bar:** Fitted **Adjustable:** No  
**Suspension adjustable:** No

### **1.3 REAR SUSPENSION**

**Description:** Live rear axle with trailing arms & Panhard rod  
**Spring medium:** Quarter elliptical  
**Damper type:** Telescopic **Adjustable:** No  
**Anti-sway bar:** No  
**Suspension adjustable:** No

### **1.4 STEERING**

**Type:** Worm & ball **Make:** Burman

### **1.5 BRAKES**

	<b>Front</b>	<b>Rear</b>
<b>Type:</b>	Disc	Disc
<b>Dimensions:</b>	280 x 9.75 mm	287 x 9.5 mm
<b>Material:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	Three	Two
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper Make:</b>	Dunlop	Dunlop
<b>Caliper Type:</b>	Fixed	Fixed
<b>Caliper Material:</b>	Cast iron	Cast iron
<b>Master cylinder make:</b>	Girling	<b>Type:</b> Single
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	

## **SECTION 2 - ENGINE**

### **2.1 ENGINE**

<b>Make:</b>	Jaguar	<b>Configuration:</b>	Inline
<b>Model:</b>	3.4	<b>Two/Four Stroke:</b>	Four
<b>No. cylinders:</b>	Six	<b>Max. allowed:</b>	84.5 mm
<b>Cylinder block material:</b>	Cast iron	<b>Max. allowed:</b>	106.0 mm
<b>Bore - Original:</b>	83.0 mm	<b>Max. allowed:</b>	3567 cc
<b>Stroke - original:</b>	106.0 mm		
<b>Capacity - original:</b>	3441 cc		
<b>Cooling method:</b>	Liquid		
<b>Identifying marks:</b>	N/A		

### **2.2 CYLINDER HEAD**

<b>Make:</b>	Jaguar	<b>Inlet:</b>	One	<b>Exhaust:</b>	One
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b>	Six	<b>Exhaust:</b>	Six
<b>No. of ports total:</b>	Twelve	<b>Location:</b>	Head	<b>Drive:</b>	Cain
<b>No. of camshafts:</b>	Two				
<b>Valve actuation:</b>	Buckets				
<b>Spark plugs/cylinder:</b>	One				
<b>Identifying marks:</b>	N/A				
<b>Comments:</b>	Early 'B' type head only. Straight port head not acceptable.				

### **2.3 LUBRICATION**

<b>Method:</b>	Wet sump
<b>Oil cooler standard:</b>	No

### **2.4 IGNITION SYSTEM**

<b>Type:</b>	Points & coil
<b>Make:</b>	Lucas

### **2.5 FUEL SYSTEM**

<b>Carburettor Make:</b>	SU	<b>Model:</b>	HD6
<b>Carburettor number:</b>	Two	<b>Size:</b>	44.45 mm

## **SECTION 3 - TRANSMISSION**

### **3.1 CLUTCH**

**Make:** Borg & Beck  
**Type:** Diaphragm  
**Diameter:** 250 mm  
**Actuation:** Hydraulic  
**No. of Plates:** One

### **3.2 TRANSMISSION**

**Type:** Synchro – mesh  
**Make:** Jaguar  
**No. forward speeds:** Four with overdrive  
**Gearbox location:** Behind engine  
**Gear change type and location:** Centre floor  
**Case material:** Cast iron  
**Identifying marks:** N/A

### **3.3 FINAL DRIVE**

**Make:** Jaguar  
**Model:** 4HA  
**Type:** Live axle  
**Wheel drive method:** Rear  
**Ratios:** Variable  
**Differential type:** Open / Free  
**Comments:** Differential type is cast onto differential case.

### **3.4 TRANSMISSION SHAFTS (EXPOSED)**

**Number:** One  
**Description:** Tubular steel open tailshaft

### **3.5 WHEELS & TYRES**

<b>Wheel type - Original:</b>	Wire	<b>Material - Original:</b>	Steel spoke
<b>Allowed:</b>	Period cast	<b>Allowed:</b>	Alloy
<b>Fixture method:</b>	Studs	<b>No. studs:</b>	Five
<b>Wheel dia. &amp; rim width:</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	15 x 5 inch		15 x 5 inch
<b>Allowed:</b>	15 x 5 inch		15 x 5 inch
<b>Tyres original:</b>	N/A		N/A
<b>Tyres allowed:</b>	65% minimum aspect ratio, refer approved tyre list.		

## **SECTION 4 - GENERAL**

### **4.1 FUEL SYSTEM**

<b>Tank Location:</b>	Boot floor	<b>Capacity:</b>	60 litre
<b>Fuel pump type and location:</b>	Electronic / in boot	<b>Make:</b>	Various

### **4.2 ELECTRICAL SYSTEM**

<b>Voltage:</b>	12	<b>Generator or Alternator:</b>	
<b>Battery Location:</b>	Engine bay		

### **4.3 BODYWORK**

<b>Type:</b>	Closed touring	<b>Material:</b>	Steel
<b>No. of seats:</b>	Four	<b>No. doors:</b>	Four

### **4.4 DIMENSIONS**

<b>Track - Front:</b>	1387 mm	<b>Rear:</b>	1237 mm
<b>Wheelbase:</b>	2727 mm	<b>Overall length:</b>	4591 mm
<b>Dry weight:</b>	1350 kg		

### **4.5 SAFETY EQUIPMENT**

***Refer applicable Group Regulations***