CAMS

5TH CATEGORY - HISTORIC RACING

GROUP Nb

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: Studebaker **Model:** Lark
Lark Daytona

Period of Original Manufacture: 1963/1966

CAMS Historic Group: Group Nb

Date of Issue of this Document: September 1999

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Full Perimeter with 4 cross members **Period of Manufacture:** 1963 - 1966

Manufacturer: Studebaker
Chassis no. from: 64V1001 (Aust. Assembly)
C51001 (Canada Assembly)
Chassis no. location: LHF Door Pillar
Material: Mild Steel
Comments: US Manufacture Ceased 12/1963
Assembly continued at Hamilton (Canada) unitl Late 1965.
Assembly continued at Melbourne (Aust) until August 1966.

1.2 FRONT SUSPENSION

Description: Independent by Upper/Lower Wishbones
Spring medium: Coil
Damper Type: Telescopic **Adjustable:** Optional
Anti-sway bar: Yes **Adjustable:** No
Suspension adjustable: No **Method:**
Comments:

1.3 REAR SUSPENSION

Description: Semi Elliptic Springs W/- Upper Trailing Links
Spring medium: Semi Elliptic Leaf
Damper type: Telescopic **Adjustable:** Optional
Anti-sway bar: Yes **Adjustable:** No
Suspension adjustable: No **Method:**
Comments: Panhard Rod Permitted

1.4 STEERING

Type: Recirculating Ball **Make:** Saginaw
Comments: Power Assisted

1.5 BRAKES

	Front	Rear
Type:	Solid Disc	Drum
Dimensions:	286 mm	280 mm
Material of drum/disc	Nodular Iron	Nodular Iron
No. cylinders/pots per wheel:	2	2
Actuation:	Hydraulic	Hydraulic
Caliper: Make, Material, Type:	Dunlop Bendix	
Master cylinder make: Girling	**Type:** Single	
Adjustable bias	Permitted	
Servo Fitted	Yes	

Comments: Dual Circuit Brakes permitted

SECTION 2 - ENGINE

2.1 ENGINE

Make:	Studebaker (Chevrolet from 1964)		
Model:	289 R2 (283*)		
No. cylinders:	8	**Configuration:**	V8
Cylinder Block-material:	Nodular Iron	**FOUR** Stroke	Yes
Bore - Original:	91.4 (90.4 *)	**Max. allowed:**	N/A
Stroke - original:	91.9 (82.5 *)	**Max. allowed:**	91.9 (82.5*)
Capacity - original:	4693 cc (4248 cc) *	**Max. allowed:**	Class capacity limit
Cooling method:	Water		
Identifying marks:	Example - 1554641		

Comments : * Chevrolet Engine. Chevrolet engine utlised in Canada production - 1964 - 1966. Studebaker engine phased out August 1965.

2.2 CYLINDER HEAD

Make:	Studebaker				
No. of valves/cylinder-	2	**Inlet:**	1	**Exhaust:**	1
No. of ports total:		**Inlet:**	8	**Exhaust:**	8
No. of camshafts:	1	**Location:**	Block	**Drive:**	Gear
Valve actuation:	Pushrod				
Spark plugs/cylinder:	1				
Identifying marks:	Example - 1555 - 8575				
Comments :					

2.3 LUBRICATION

Method:	Wet Sump	**Oil tank location:**	N/A
Dry sump pump type:	N/A	**Location:**	
Oil cooler standard:	No	**Location:**	
Comments :	Standard		

2.4 IGNITION SYSTEM

Type:	Points/Coil
Make:	Prestolite
Comments :	Electronic Ignition not permitted.

2.5 FUEL SYSTEM

Carburettor: Make:	Carter *	**Model :**	7000*	**No:**	1	**Size:**	
	-	**Model :**				**No:**	
Size :	4BBL						
Fuel injection Make:		**Type:**					
Supercharged:	Yes**	**Type:**	Impeller (Engine Driven)**				
Make :	Paxton**						
Comments :	* Original Equipment ** Optional equipment - Approved for Daytona R2 Models (see separate specification sheets)						

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Borg Warner **Type:** Single Plate **Diameter: 267 mm**
No. of Plates: 1
Actuation: Mechanical
Comments :

3.2 TRANSMISSION

Type: Manual
Make: Borg Warner **Model:** T10
No. forward speeds: 4 **Gearbox location:** Front
Gearchange type and location: Remote Floor
Case material: Nodular Iron **Identifying marks:** T10
Comments:

3.3 FINAL DRIVE

Make: Dana **Model:** 44
Wheel drive method: Semi Floating Half Shaft
Ratios: 3.31 - 1, 3.54-1, 3.73-1, 3.91-1, 4.09-1
Differential: Dana **Type:**
Comments: Standard R2 Equipment

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: One **Location:** Gearbox to Final Drive
Description: Tailshaft with Hardy Spicer Universal Joints
Comments:

3.5 WHEELS & TYRES

Wheel type: **Original:** Pressed **Material:** **Original:** Steel
Allowed: Cast **Allowed:** Alloy
Fixture method: Studs & Nuts **No. studs:** 5

	FRONT	REAR
Wheel dia. & rim width	15 x 5"	15 x 5"
Original:	15 x 6"	15 x 6"
Allowed		

Tyre section:
Original: 6.70
Allowed: 205
Aspect ratio - minimum: 60%
Comments: Max Rim Width 6"

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:	Rear under Floor	**Capacity:**	60 L
Fuel pump, type and location:	Mechanical	**Make:**	Carter

Comments: Alternate fuel pump/s permitted.

4.2 ELECTRICAL SYSTEM

Voltage:	12	Alternator fitted:	
Battery Location:	Boot		

Comments: Alternator Standard Equipment

4.3 BODYWORK

Type:	Sedan/Coupe	Material:	Pressed Steel
No. of seats:	5	No. doors:	4 Door Sedan
			2 Door Sedan

Comments:

4.4 DIMENSIONS

Track - Front:	1485 mm	Rear:	1485 mm
Wheelbase:	2768 mm (2868 - 4 Dr)	Overall length:	4826 mm (4926 - 4 Dr)
Dry weight:	1250 kg		

Comments:

4.5 SAFETY EQUIPMENT

Fire extinguisher required
Seat belt required
Rollbar required
Electrical cut off switch required
Safety fuel tank optional

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