

Manufacturers Reference No. for Application

13/63/MP



F.I.A. Recognition No.

134

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Form of Recognition in accordance with
Appendix J to the
International Sporting Code.

Manufacturer **ALLARD MOTOR CO. LTD.**

Model **ALLARDETTE**

Year of Manufacture **1963**

Chassis **A 051**

Serial No. of

Engine

Type of Coachwork **SALOON**

Recognition is valid from **September 5th, 1963**

In category **G.T.**

9/22

1395 cc

RR
[Signature]

Photograph to be affixed here $\frac{3}{4}$ view of car from front right.



[Signature]



Stamp of F.I.A./R.A.C. to be
affixed here.

Form: R.F.I.A.

General description of car:

Specify here material/s of
chassis/body construction

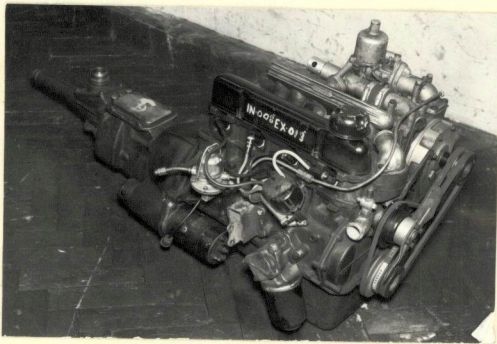
2 Door, 2 Seater Saloon.

Photographs to be affixed below.

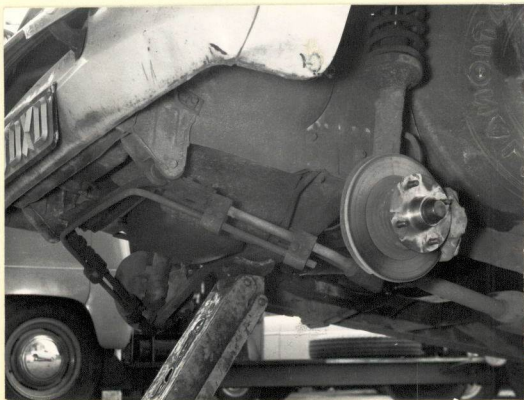
$\frac{3}{4}$ view of car from rear left.



Engine unit with accessories from right.



Front axle complete (without wheels).



Engine unit with accessories from left.

Rear axle complete (without wheels).



ENGINE

in line **Yes**
 No. of cylinders **4** in V **--**
 opposed **--**
 Cycle **4** Firing order **1,2,4,3.**
 Capacity **996.6** c.c. Bore **80.96** m.m. Stroke **48.4124** m.m.
 Maximum rebore Resultant capacity **1000cc(not to exceed)** c.c.
 Material of cylinder block **Cast Iron** Material of sleeves, if fitted **---**
 Distance from crankshaft centre line to top face of block at centre line of cylinders **180.87-181.07** m.m.
 Material of cylinder head **Cast Iron** Volume of one combustion chamber **24/25** c.c.
 Compression ratio **8.9:1**
 Material of piston **Aluminium Alloy** No. of piston rings **3**
 Distance from gudgeon pin centre line to highest point of piston crown **38.836/38.887** m.m.
 Bearings { Crankshaft main bearings: Type **Steel Backed** Dia. **53.99** m.m.
 Connecting rod big end: Type **Lead bronze or copper with lead overlay.** Dia. **49.20** m.m.
 Weights { Flywheel **6.64** kg.
 Crankshaft **7.529** kg.
 Connecting rod **0.5715** kg.
 Piston with rings **0.4145** kg.
 Gudgeon pin **0.097** kg.
 No. of valves per cylinder **2** Method of valve operation **Pushrod & Rocker**
 No. of camshafts **1** Location of camshafts **In Block.**
 Type of camshaft drive **Chain**
 Diameter of valves: Inlet **32.18** m.m. Exhaust **30.175** m.m.
 Diameter of port at valve seat: Inlet **27.68** m.m. Exhaust **25.4** m.m.
 Tappet clearance for checking timing: Inlet **0.254** m.m. Exhaust **0.406** m.m.
 Valves open: Inlet **17° B.T.D.C.** Exhaust **51° B.B.D.C.**
 Valves close: Inlet **51° A.B.D.C.** Exhaust **17° A.T.D.C.**
 Maximum valve lift: Inlet **7.993** m.m. Exhaust **8.08** m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet **184°** Exhaust **218°**
 $\frac{3}{4}$ Maximum lift: Inlet **136°** Exhaust **168°**
 Valve springs: Inlet Exhaust
 Type **Straight Coil** **Straight Coil**
 No. per valve **One** **One**
 Carburettor: Type **Horizontal** No. fitted **One**
 (up or down draft, horizontal)
 Make **S.U.** Model **H 6**
 Flange hole diameter **44.45mm** m.m. Choke diameter m.m.
 Main jet identification No.

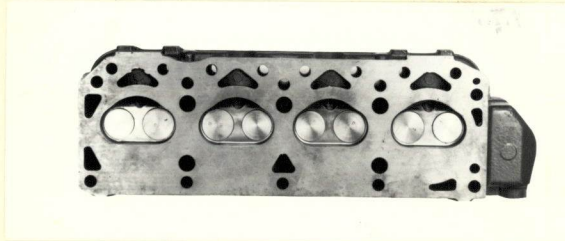
Air filter: Type **None** No. fitted **---**

Inlet manifold:

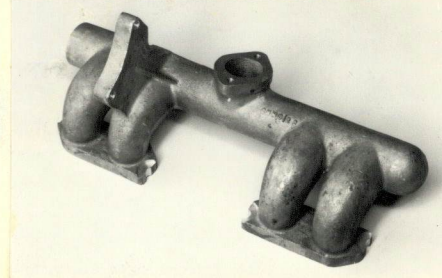
Diameter of flange hole at carburettor **44.45** m.m.

Diameter of flange hole at port **28.45** m.m.

Photograph of combustion chamber to be affixed here.



Photograph of inlet manifold to be affixed here.



Exhaust manifold:

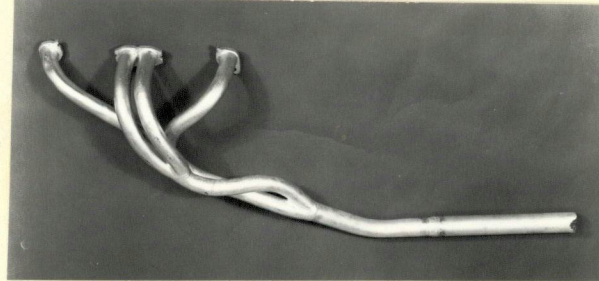
Diameter of flange hole at port **27.94** m.m.

Diameter of flange hole at connection to silencer inlet pipe **36.576** m.m.

Photograph of piston showing crown to be affixed here.



Photograph of exhaust manifold to be affixed here.



ENGINE ACCESSORIES

Make of fuel pump **A.C.** No. fitted **One**

Method of operation **By Eccentric on Camshaft.**

Type of ignition system **Coil.** coil or magneto

Make of ignition **Lucas** Model **Distributor Type DM2**

Method of advance and retard **Centrifugal & Vacuum.**

Make of ignition coil **Lucas or A.C.** Model **Lucas LA12-Oil Filled.**

No. of ignition coils **One** Voltage **12**

Make of dynamo **Lucas** Model **C 40**

Voltage of dynamo **12** Maximum output **20** amps.

Make of starter motor **Lucas** Model **M 35 H**

Battery: No. fitted **One** Voltage **12** Capacity **51** amp. hour @ **20 HR.**

Oil Cooler (if fitted) type Capacity pints

Make **ALLARD** Model **ALLARDETTE** F.I.A. Recognition No.
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TRANSMISSION

Make of clutch **Ford, Borg & Beck.** Type **Dry Plate**
 Diameter of clutch plate **18.415 cm.** No. of plates **One**
 Method of operating clutch **Hydraulic**
 Make of gearbox **Ford** Type **Conventional Synchronesh.**
 No. of gearbox ratios **Four Forward.**
 Method of operating gearshift **Hand.**
 Location of gearshift **Floor - remote control.**
 Is overdrive fitted? **No.**
 Method of controlling overdrive, if fitted

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	4.118	$\frac{32}{17} \times \frac{35}{16}$	3.543	$\frac{32}{17} \times \frac{32}{17}$	3.543	$\frac{32}{17} \times \frac{32}{17}$	2.51	$\frac{21}{28} \times \frac{17}{32}$
2.	2.396	$\frac{32}{17} \times \frac{28}{22}$	2.396	$\frac{32}{17} \times \frac{28}{22}$	2.04	$\frac{32}{17} \times \frac{27}{24}$	1.64	$\frac{21}{28} \times \frac{22}{28}$
3.	1.412	$\frac{32}{17} \times \frac{21}{28}$	1.412	$\frac{32}{17} \times \frac{21}{28}$	1.412	$\frac{32}{17} \times \frac{21}{28}$	1.23	$\frac{21}{28} \times \frac{26}{24}$
4.	1.000	Direct	1.00	Direct	1.00	Direct	1.00	Direct

Hypoid
Bevel and Pinion.

Alternatives **4.44, 3.77, 3.8, 4.7,**
40/9, 34/9, 39/10, 33/7.

Steel Disc Weight **10.88** kg.
 Method of attachment **4 Studs**
 Rim diameter **330.2** m.m. Rim width **139.5** m.m.
 Tyre size: Front **6.00 x 13** Rear **6.00 x 13**

BRAKES

Method of operation **Hydraulic**
 Is servo assistance fitted? **Yes**
 Type of servo, if fitted **Baldwin.**
 No. of hydraulic master cylinders **One** Bore **15.875** m.m.

	Front	Rear
No. of wheel cylinders	Two	One
Bore of wheel cylinders	42.86 m.m.	17.78 m.m.
Inside diameter of brake drums	---	203.2 m.m.
No. of shoes per brake	---	Two
Outside diameter of brake discs	234.95 m.m.	---
No. of pads per brake	2	---
Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each)		

	Front	Rear
Length	60.5 m.m.	195.1 m.m.
Width (Overall)	38.5 m.m.	31.75 m.m.
Total area per brake	4109 m.m. ²	24,744 m.m. ²

SUSPENSION

	Front	Rear
Type	Independent	Logitudinal
Type of spring	Coil Spring	Semi-Elliptic leaf
Is stabiliser fitted?	Yes	No
Type of shock absorber	Telescopic	Lever Arm
No. of shock absorbers	2	2

STEERING

Type of steering gear	Recirculating Ball
Turning circle of car	9.75 m., approx.
No. of turns of steering wheel from lock to lock	2.75

CAPACITIES AND DIMENSIONS

Fuel tank	31.82 litres	Sump	2.273 litres
Radiator	2.44 litres		
Overall length of car	389.9 cm.	Overall width of car	145.6 cm.
Overall height of car, unladen (with hood up, if appropriate)	143.8 cm.		
Distance from floor to top of windscreen:	99.06 cm. (approx)		
Highest point	---	Lowest point	---
Width of windscreen:			
Maximum width	105.41 cm.	Minimum width	93.98 cm.
*Interior width of car	114.3 cm.		
No. of seats	Two		
Track: Front	116.8 cm.	Rear	116.3 cm.
Wheelbase	229.87 cm.	Ground clearance	162.5 m.m.

*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

Overall weight with water, oil and spare wheel, but without fuel 718.5 kgs.

Additional information for cars fitted with two-cycle engines

System of cylinder scavenging.....
Type of lubrication.....
Size of inlet port:
Length measured around cylinder wall.....m.m.
Height.....m.m. Area.....m.m.²
Size of exhaust port:
Length measured around cylinder wall.....m.m.
Height.....m.m. Area.....m.m.²
Size of transfer port:
Length measured around cylinder wall.....m.m.
Height.....m.m. Area.....m.m.²
Size of piston port:
Length measured around piston.....m.m.
Height.....m.m. Area.....m.m.²
Method of pre-compression.....
Bore and stroke of pre-compression cylinder, if fitted.....m.m.
Distance from top of cylinder block to lowest point of inlet port.....m.m.
Distance from top of cylinder block to highest point of exhaust port.....m.m.
Distance from top of cylinder block to highest point of transfer port.....m.m.

Drawing of cylinder ports.

Supercharger, if fitted

Make **Skorrock.** Model or Type No. **C 75 B**
Type of drive **Belt.** Ratio of drive **1:1**

Fuel injection, if fitted

Make of pump..... Model or Type No.....
Make of injectors..... Model or Type No.....
Location of injectors.....

Optional equipment affecting preceding information:—

1. Drum Brakes at Front.
2. Optional Inlet Manifold.
3. 15.875 mm dia. Rear Wheel Cylinders.
4. Additional Fuel Tank - 8 Gallons.
5. Optional Road Wheel. Rim Dia. 330.2. Rim Width. 92.0.
6. " Road Wheel. Rim Dia. 330.2. Rim Width. 101.6.
7. " Carburettor. Zenith type 42.WIA.2.