Technical Notes – No. 004

Make – JAGUAR

Model – E Type

Applicable to Period F – Precision / GTS12

Issue #1

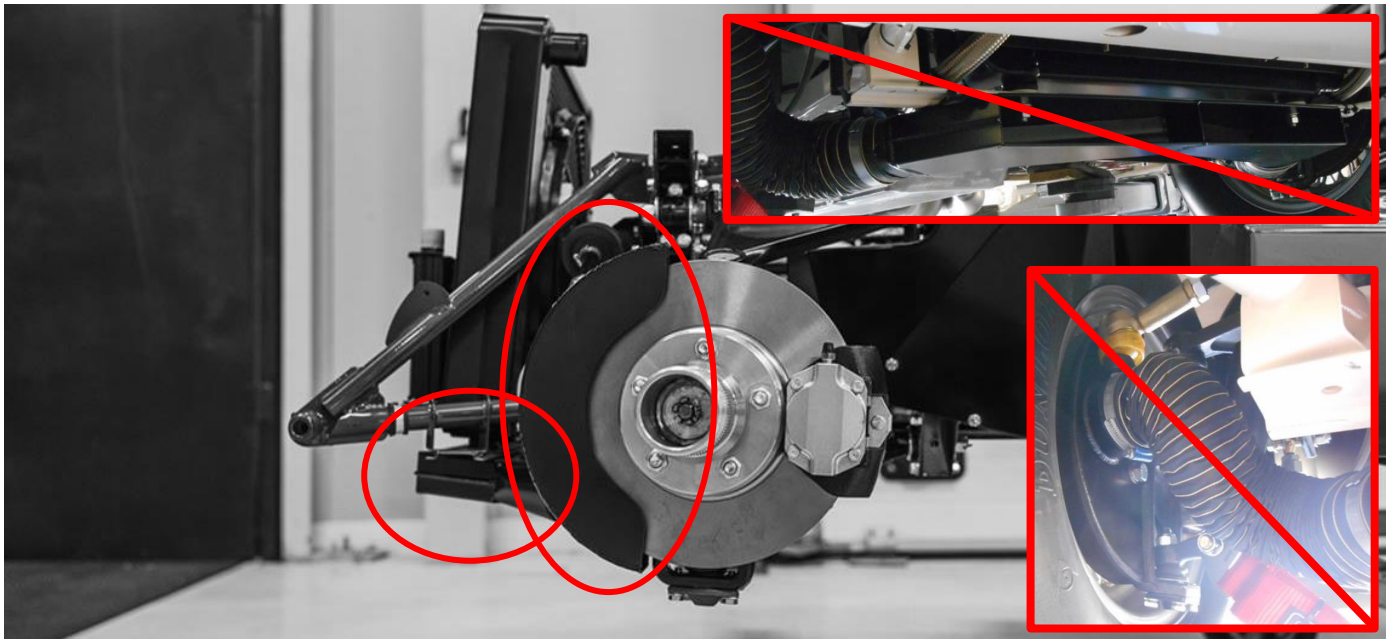
Homologation 100 Group GT

Item		Appendix K	Restriction/Note
1.	Wheelbase	2440mm	
2.	Front Track	1270-1350mm	**As per Extension 100A**
3.	Rear Track	1270-1410mm	
4.	Minimum Weight	920kg	1000kg
5.	Maximum Fuel Capacity	140 litres	
6.	Chassis	Monocoque and subframes	
7.	Brakes	**FR.** 309mm | Solid discs 2-pot Dunlop Mk2 **$2^{1/8}$ piston OD.** 12mm disc thickness Optional brake disc diameters. Front 308, 286 or 279mm. **RE.** 286mm | Solid discs 2-pot Dunlop Mk2 **1¾ piston OD.** 12mm disc thickness Optional brake disc diameters. Rear 286, 263 or 254mm.	Hand brake mechanism must be retained, mounted and functional. **Cooling ducts must conform to the period Jaguar Competition manual design, alternatively to note below.** Under plate feeder bellow the chassis prior to engine bay is strictly forbidden. **See note 2**
8.	Suspension	**FR.** Upper and lower wishbones, telescopic damper and torsion bar **RE.** Lower wishbone and fixed length driveshaft, coilover telescopic damper	FR. Anti-Roll Bar is not adjustable. Fixed platform, steel bodied, single adjustable dampers prior to 1965, double adjustable for 1965 only.
9.	Bodywork	Steel monocoque and aluminium panels	
10.	Wheels & Tyres	15" Diameter **FR.** 6-7" (0.5' increments) **RE.** 6-8" (0.5' increments)	**Wire wheels 6" limitation** or cast aluminium Tyre dimensions are not limited but you may be reminded that achieving the maximum track at any times during the Competition is mandatory.
11.	Dashboard	Production	
12.	Steering	Rack & pinion	
13.	Engine capacity	3781cc 87x106 Bore/Stroke Aluminium block allowed	Maximum rebore as per Homologation/Appendix K.
14.	Ignition	Distributor/Coil/Breakers	Electronic Magic eye authorized.

15.	REV limitation	MSD 6AL (ref: MSD PN 6425 or 6420) mandatory. Set @6750PM	
16.	Intake	3x 45DCO3 or DCOE or SU HD8	45mm diameter at carburetor flange for Webers, 50.8 for Sus 41.5mm diameter at port.
17.	Exhaust	As per Homologation Page 4	Cast iron only or tubular 34.92x53.97mm flange hole for cast iron or 41.20mm for tubular version at port 47.62mm for cast iron, 50.90 for tubular version at silencer pipe output **See note 3**
18.	Clutch	Single plate / Slave cylinder	No concentric mechanism allowed
19.	Gearbox	4-speed Moss/Jaguar Ratios as homologated Straight cut allowed	No dog engagement allowed.
20.	Differential	Salisbury 4HU LSD Oil cooler homologated	Cast iron only

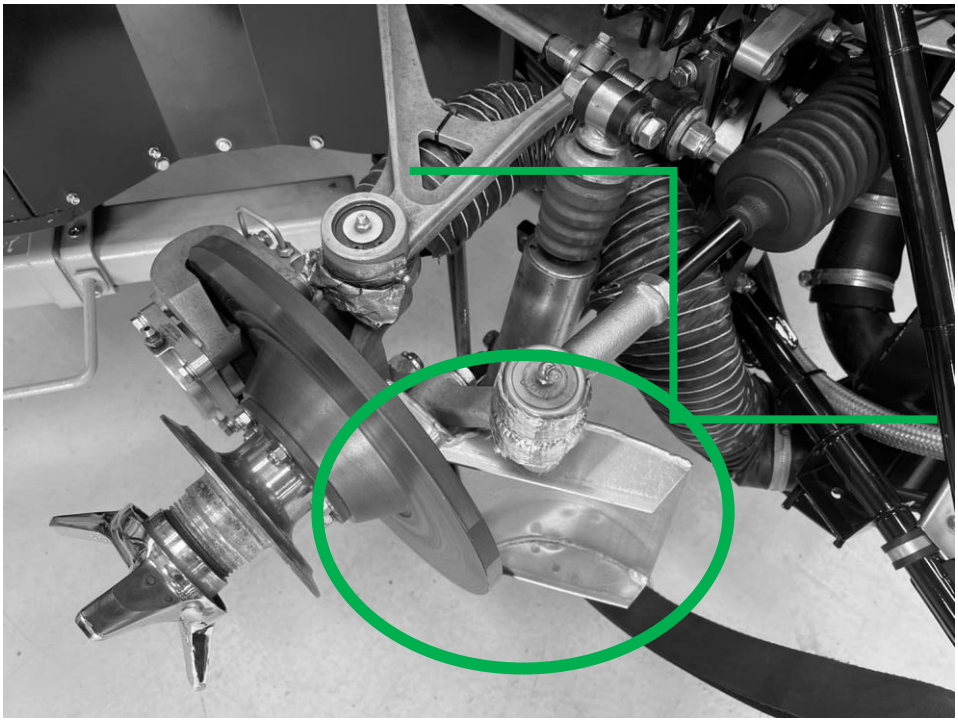
Note 2 – Brake ducts

Closed aluminium routing over disc and ducting from feeder hole is forbidden.
Under radiator feeder plates equally.



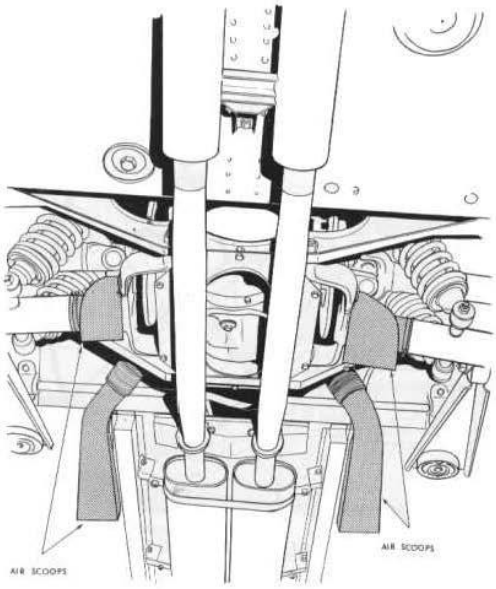
Right hand bonnet front diaphragm panel showing the air duct (above the bonnet hinge bracket) fed from the radiator air intake, which provide cooling air to the front brakes. A back plate guide to catch the air and route it to the back of the front upright is allowed.

Acceptable Front brake ducts.

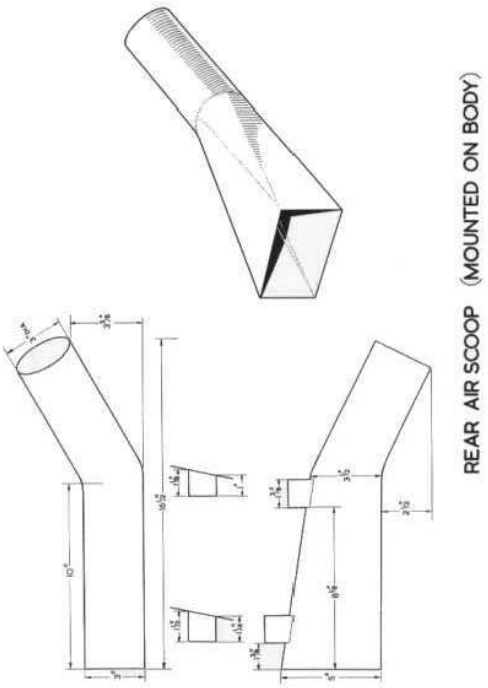


Front aluminium guide plate, with additional air feed to caliper through ducting hose.
Note that no "feeder under plate" located under radiator is NOT ACCEPTABLE.

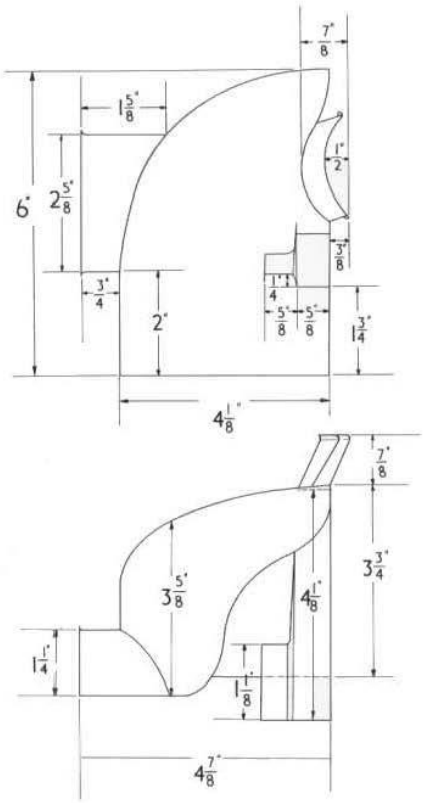
Rear version, as per the original competition manual.

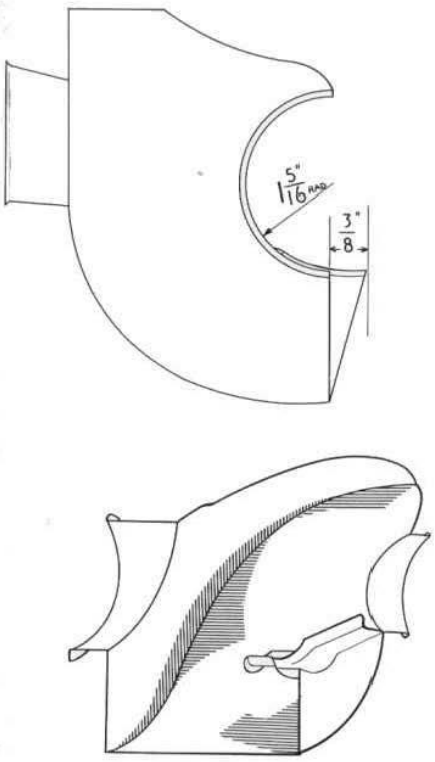


POSITIONS OF REAR BRAKE AIR SCOOPS



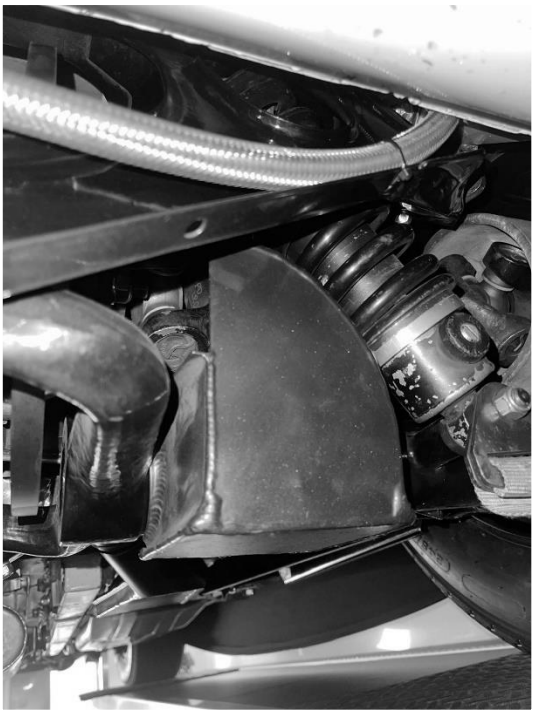
REAR AIR SCOOP (MOUNTED ON BODY)





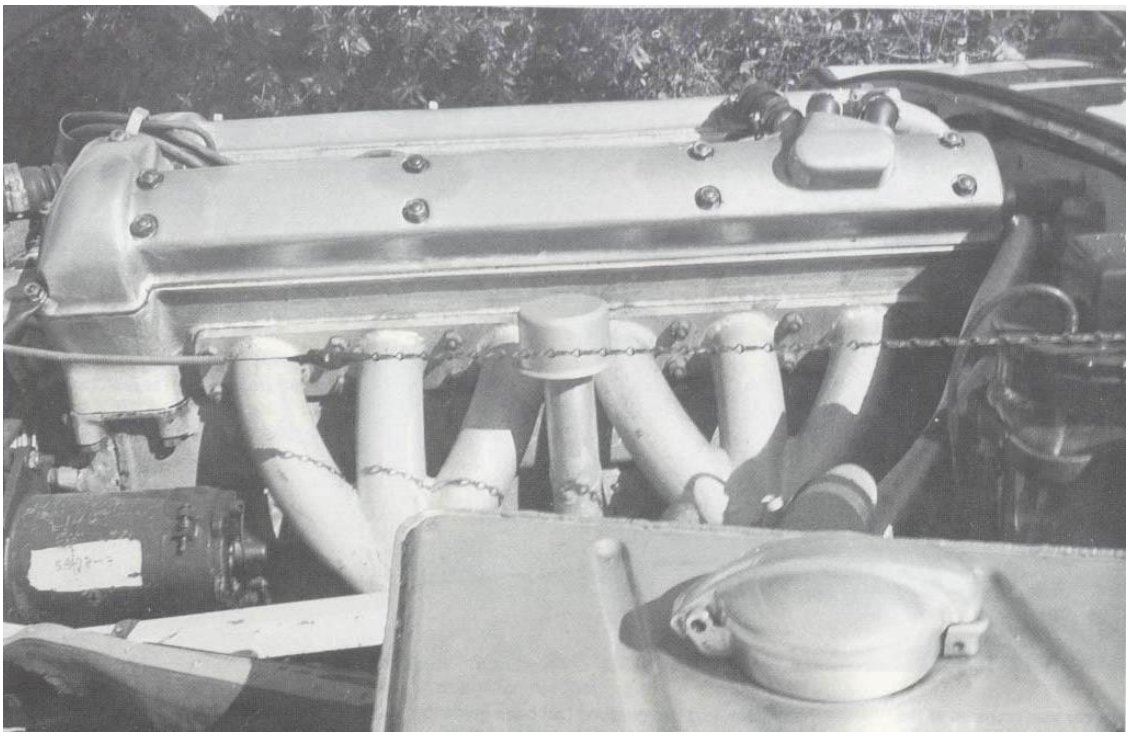
REAR SCOOP-MOUNTED ON LOWER WISHBONE
TO DEFLECT AIR ONTO THE DISCS.

Rear assemblies (2) as seen today.



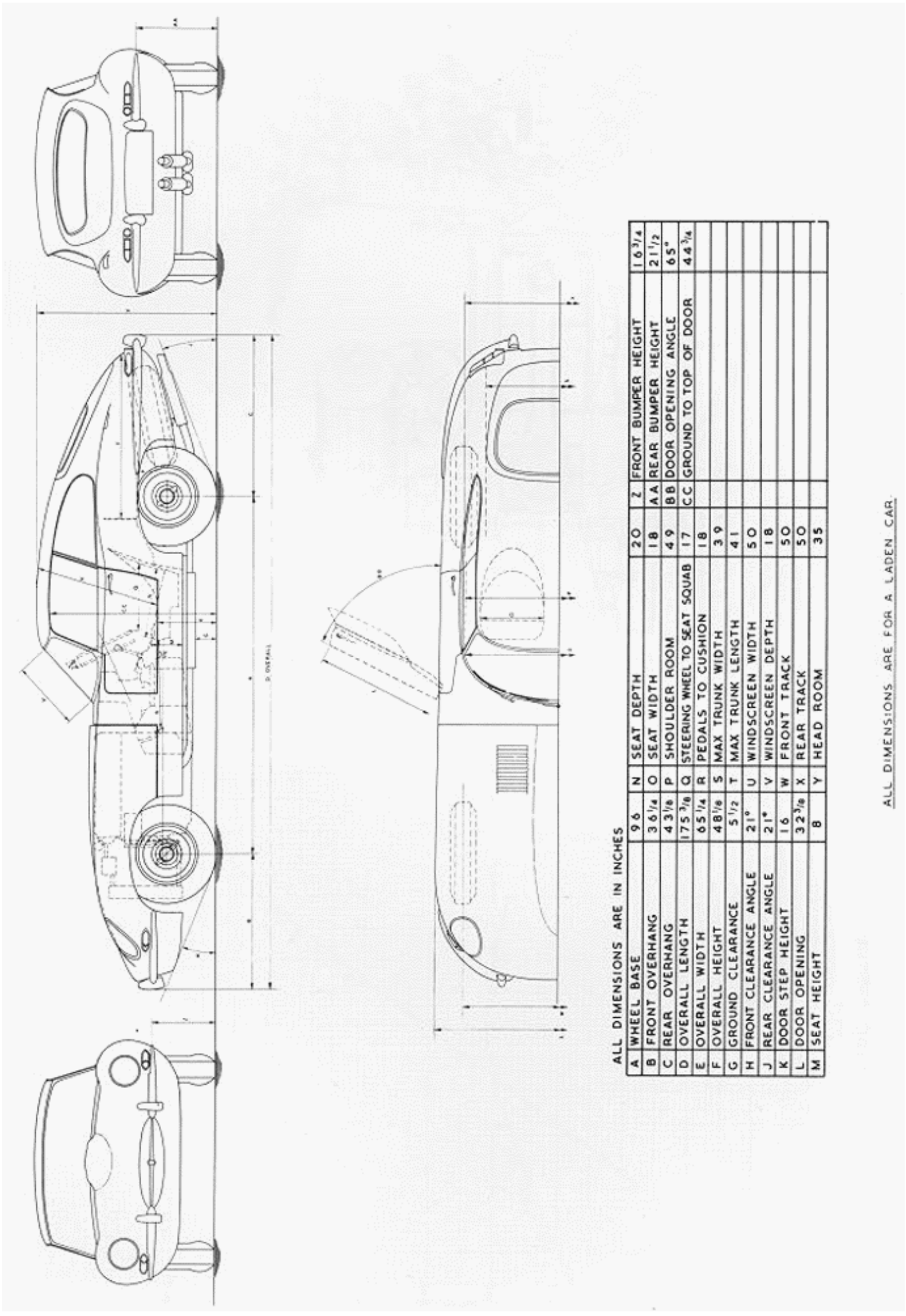
Note 3 – Exhaust manifold

Appendix K specifies that exhaust manifolds must be identical to the original one. Homologation 100 shows three variations, one cast iron standard item and two tubular variants. Based on the best photograph from the homologation papers, which shows a mounted exhaust manifold, and measurements taken on aluminium and iron blocks, the point on the manifold where the three tubes join is about 98 mm above the bottom face of the block. With provision for production tolerances and an allowance for photographic distortion, all tubular manifolds must have the lowest point of the three into one joint a minimum of 78 mm above the lower block face.



There are two homologated internal diameters at the manifold exit, 50.90 mm and 47.62 mm. Either of these dimensions may be used.

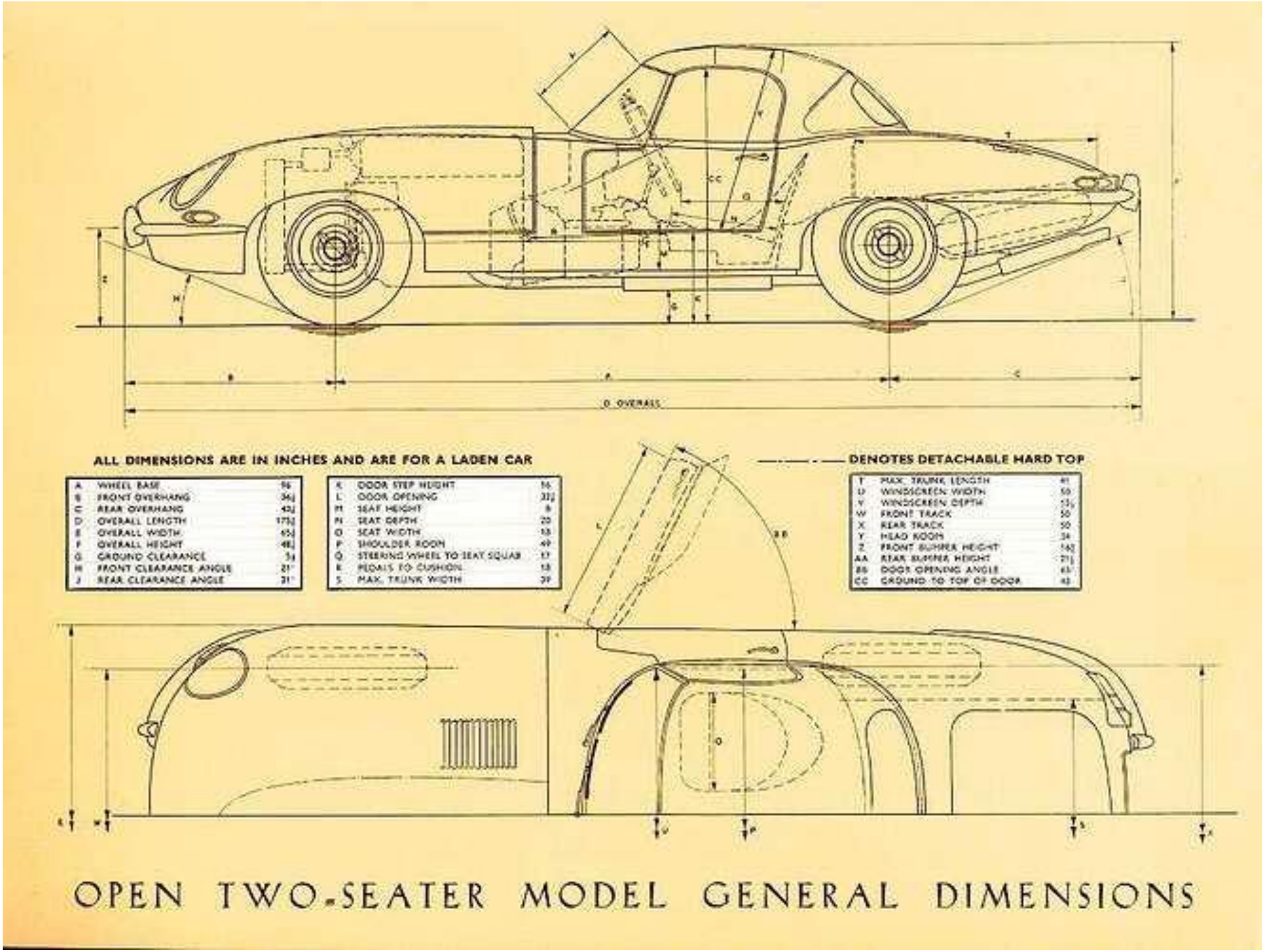
ADDITIONAL INFORMATION FOR MEASUREMENTS



ALL DIMENSIONS ARE IN INCHES

A	WHEEL BASE	96	N	SEAT DEPTH	20	Z	FRONT BUMPER HEIGHT	$16\frac{3}{4}$
B	FRONT OVERHANG	$36\frac{1}{4}$	O	SEAT WIDTH	18	AA	REAR BUMPER HEIGHT	$21\frac{1}{2}$
C	REAR OVERHANG	$43\frac{1}{8}$	P	SHOULDER ROOM	49	BB	DOOR OPENING ANGLE	65°
D	OVERALL LENGTH	$175\frac{3}{8}$	Q	STEERING WHEEL TO SEAT SQUAB	17	CC	GROUND TO TOP OF DOOR	$44\frac{3}{4}$
E	OVERALL WIDTH	$65\frac{1}{4}$	R	PEDALS TO CUSHION	18			
F	OVERALL HEIGHT	$48\frac{1}{8}$	S	MAX TRUNK WIDTH	39			
G	GROUND CLEARANCE	$5\frac{1}{2}$	T	MAX TRUNK LENGTH	41			
H	FRONT CLEARANCE ANGLE	21°	U	WINDSCREEN WIDTH	50			
J	REAR CLEARANCE ANGLE	21°	V	WINDSCREEN DEPTH	18			
K	DOOR STEP HEIGHT	16	W	FRONT TRACK	50			
L	DOOR OPENING	$32\frac{3}{8}$	X	REAR TRACK	50			
M	SEAT HEIGHT	8	Y	HEAD ROOM	35			

ALL DIMENSIONS ARE FOR A LADEN CAR.


ALL DIMENSIONS ARE IN INCHES AND ARE FOR A LADEN CAR
DENOTES DETACHABLE HARD TOP
A WHEEL BASE 96
B FRONT OVERHANG 36½
C REAR OVERHANG 43½
D OVERALL LENGTH 175½
E OVERALL WIDTH 65½
F OVERALL HEIGHT 48½
G GROUND CLEARANCE 5½
H FRONT CLEARANCE ANGLE 21°
J REAR CLEARANCE ANGLE 31°
K DOOR STEP HEIGHT 16
L DOOR OPENING 33½
M SEAT HEIGHT 8
N SEAT DEPTH 20
O SEAT WIDTH 18
P SHOULDER ROOM 49
Q STEERING WHEEL TO SEAT SQUAB 17
R PEDALS TO CUSHION 18
S MAX. TRUNK WIDTH 39
T MAX. TRUNK LENGTH 41
U WINDSCREEN WIDTH 50
V WINDSCREEN DEPTH 13½
W FRONT TRACK 50
X REAR TRACK 50
Y HEAD ROOM 34
Z FRONT BUMPER HEIGHT 16½
AA REAR BUMPER HEIGHT 21½
BB DOOR OPENING ANGLE 65°
CC GROUND TO TOP OF DOOR 43
OVERALL
OPEN TWO-SEATER MODEL GENERAL DIMENSIONS