

SECTION

GENERAL DATA.

SUB SECTIONS.

GENERAL DATA, EQUIPMENT
DIMENSIONAL DATA.

SECTION SHEET No.	SUB-SECTION	INFORMATION SUPPLIED BY
1.	GENERAL DATA.	MR. A. S. BIEVER
2.		
3.	EQUIPMENT.	
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6.	DIMENSIONAL	
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9.	DIAGRAM	

ENGINEERING TECHNICAL DATA

Model	N.C. 2 seater Series N.C.A. Twin Cam (EX.187)	Book No. TD/G.1.
Section	GENERAL DATA	Sheet No. 1 of 9
Sub-Section	GENERAL	Date

MAKE: N.C.A. Twin Cam Engine		
MODEL: EX 187		
COMMENCING YEAR OF MANUFACTURE:	1958	
COMMENCING CHASSIS NO:	501	
LOCATION OF CHASSIS NO:	Engine Compartment Top of Dash Panel	

TRACK.	FRONT:	47. 29/32 ins.
	REAR:	48. 7/8 ins.

WHEELBASE:	94	ins.
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OVERALL DIMENSIONS:	HEIGHT:	50	ins.
	WIDTH:	58	ins.
	LENGTH:	156	ins.

GROUND CLEARANCE: (MINIMUM). (Static Unladen).	At Position: 2nd cross member	6	ins.
APPROACH ANGLE:		25	degs.
DESCENDANCE ANGLE:		17	degs.
FRONTAL AREA:	(Hood up)	15.75	sq.ft.

VEHICLE WEIGHTS:	SHIPPING WEIGHT:	2108	lbs.
	KERBSIDE WEIGHT: (Coupe 2222 lbs)	2185	lbs.
	MAX PERMISSIBLE GROSS WEIGHT:		lbs.
	TAXATION WEIGHT:		lbs.

WEIGHT, FRONT/REAR DISTRIBUTION:	1153 / 1032 = 52.76% / 47.24%	
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CENTRE OF GRAVITY (Static Unladen).	FROM C/L OF FRONT AXLE:	44.4	ins.
	HEIGHT ABOVE GROUND:	16	ins.

B.H.P. PER CWT:	5.38	
LITRES PER TON MILE: (Static unladen weight kerbside)	284.3	
Kg. B.H.P.	9.5	

Details of Modifications	Change Point	Note Reference
Coupe 2222 lbs added 15.15 was 13.77	Correction	TD. 1111.35
Issue 1, 2, 3.		Section GEN. 1.

ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series M.G.A. Twin Cam (KX.187)	Book No. TD/G.1.
Section	GENERAL DATA	Sheet No. 2 of 9
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BRAKE LINING AREA SQ. INS. PER. TON: **32.8 (Kerbside)**
BRAKE RETARDATION: **28 ft. per. sec.** **per. sec. at 95 lb pedal effort**

TURNING CIRCLES:	RIGHT LOCK:	32 ft.	1 ins.
	LEFT LOCK:	32 ft.	6 ins.

OVERALL GEAR RATIOS	AXLE RATIO:	(10/43) 4.3:1			
	OVERDRIVE:				
	TOP:	4.3 : 1			
	THIRD:	5.908 : 1			
	SECOND:	9.520 : 1			
	FIRST:	15.652 : 1			
	REVERSE:	20.468 : 1			

TOP GEAR M.P.H. PER 1,000 R.P.M. **17.3**
TOP GEAR M.P.H. AT 2,500 r.p.m. PISTON SPEED: **(at 4,300 rpm) = 74.4 mph**
PISTON AREA SQ. INS. PER TON: **28.29**
TOTAL PISTON AREA: SQ. INS: **27.59**

Details of Modifications	Change Point	Note Reference
Issue 1		Section GEN. 2

ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series M.G.A. Twin Cam (EX.187)	Book No.	TD/G.1.
Section	GENERAL DATA	Sheet No.	3 of 9
Sub-Section	EQUIPMENT	Date	

TYPE OF BODY	TWO SEATER / COUPE
UPHOLSTERY	STANDARD Leather and Leathercloth (Seats)
	DE LUXE

BODY TRIM:	Leathercloth
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FRONT SEATS.	NUMBER: 2	Tubular Competition De Luxe Optional
	TYPE: Bucket Adjustable	

VENTILATING WINDOWS	2 Seater None	Coupe Yes
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DOOR LOCKS	Std. 2 Seater Non Locking Cable release inside	Coupe Star type lockable on drivers door inside & outside. Passenger's door inside only
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HEATER DETAILS	(Type, Output, Demist Details, etc).	
	Smiths General Purpose Heater Unit 3.1/2 K.W. output	Optional
	2 Demist Nozzles at base of windscreen	
	Fresh air intake at side of radiator matrix	
	Controls on facia	

	(Type, position, etc).	Optional (10 models) various
RADIO	Controls & speaker on facia	Power pack bulkhead fitting

DOOR PULLS:	None	
PILLAR PULLS:	None	
WINDOWS:	Detachable soft screens. (optional Sliding)	Coupe: Winding
SCREEN:	Curved Safety glass	
DRIVING MIRROR:	On centre of facia. (on wing(s) optional)	
RIMBELLISHERS:	None	
BUMPERS:	Full width Front and Rear	
OVERRIDERS:	Front and Rear	

Details of Modifications	Change Point	Note Reference
Issue 1a		Section GEN. 3

ENGINEERING TECHNICAL DATA

Model	M.G., 2 Seater Series M.G.A. Twin Cam (EK187)	Book No. TD/E. 10
Section	GENERAL DATA	Sheet No. 4 of 9
Sub-Section	EQUIPMENT	Date

ELECTRICAL EQUIPMENT: 12 Volt Lucas SG. 9.E.

ELECTRICAL CONTROL: Compensated Voltage Control

HEADLAMP DIPPING: Double Dip - Foot Operated

IGNITION WARNING LIGHT: Located in rev. counter (Red)

LAMP SWITCH WARNING LIGHT: None

MAIN BEAM WARNING LIGHT: Located in speedometer

FLASHER

~~INDICATOR INDICATOR~~ WARNING LIGHT: R.H. of instrument panel (RED)

SUN VIZORS: None Coupé optional

FLASHERS

~~INDICATOR INDICATOR~~: Side lights and incorporated in Stop/tail lamps

FRONT SEAT CENTRE ARMRESTS: None

REAR SEAT CENTRE ARMRESTS: None

SPEEDOMETER AND MILEAGE RECORDER: Smiths SM6104/06 MPH. SM6104/07 KPH

TRIP MILEAGE RECORDER: In speedometer

AMMETER: None

OIL PRESSURE GAUGE:)

} Fahrenheit
Smiths DG 1501/01

{ Centigrade
Smiths DG 1501/04 NOT
L.H.D. EXPORT N. AMERICA

WATER TEMPERATURE INDICATOR:)

FUEL CONTENTS INDICATOR: PG 2530/05

CLOCK: None

REVOLUTION INDICATOR: Smiths RE 2300/02

ROOF LAMP: None

FOG LAMP(S) Optional Lucas 55128.A. Type SPT.576

REVERSE LAMP: None

MAP READING LAMP: Yes

LUGGAGE BOOT LAMP: None

STOP LAMPS: 2 Incorporated in Stop/Tail and Flasher Assy

HORNS: Lucas 69046A. Type WT.618L. (69047A Type WT618 optional)

SCREEN WASHER: Optional Tudor

Details of Modifications	Change Point	Note Reference
Centigrade gauge added for export	MGA. 713	
Issue 1. 2.		Section GEN. 4

ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series M.G.A. Twin Cam (EK.187)	Book No. TD/C. 1.
Section	GENERAL DATA	Sheet No. 5 of 9
Sub-Section	EQUIPMENT	Date

STEERING COLUMN ADJUSTMENT: Optional
 SEAT ADJUSTMENT: Yes
 CIGAR LIGHTER: Optional Casco Tex
 REAR WINDOW BLIND: None
 LUGGAGE CONTAINER: Yes
 SPARE WHEEL LOCATION: In luggage container
 TOWING EYES: None
 CARPET, FLOOR COVERING: Karvel KV3033
 REAR VIEW MIRROR: Mounted on centre of fascia. (on wing(s) optional)
 COURTESY LIGHTS: None
 COAT HOOKS: None
 BADGE BAR: Optional
 HARD TOP: Optional
 ASH TRAY: Optional
 COMPETITION WINDSCREENS: Optional
 RADIATOR BLIND: Optional
 OVERALL TONNEAU COVER: Optional
 LUGGAGE CARRIER: Optional
 COLD AIR VENTILATION: Optional
 SLIDING WINDOWS: Optional
 HORN: High Note Optional
 COMPETITION SEATS: Optional
 OIL COOLER: Optional
 BATTERY COVER Optional
 Alternative Rear Axle Ratios: 4.55:1 4.875:1 4.1:1 3.9:1

Details of Modifications	Change Point	Note Reference
Rear Axle alternatives added Battery Cover optional added		TD/MGR.12
Issue 1, 2.		Section GEN. 5

ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series M.G.A. Twin Cam (EX. 187)	Book No. ED/G.1.
Section	GENERAL DATA	Sheet No. 6 of 9
Sub-Section	DIMENSIONAL	Date

ENTRY WIDTH OF FRONT DOORS:	BETWEEN PILLAR AND SURFACE OF DOOR. DIM. A.	29 ins.
ENTRY WIDTH OF REAR DOORS:	BETWEEN PILLAR AND SURFACE OF DOOR. DIM. B.	- ins.
HEIGHT OF DOOR LIGHT:	FRONT DOOR: DIM. C.	11 ins.
	REAR DOOR: DIM. D.	- ins.
QUARTER LIGHT:	WIDTH:	ins.
	HEIGHT:	ins.
SCREEN:	WIDTH: MAX.	43.1/2 ins.
	HEIGHT:	15 ins.
REAR LIGHT:	WIDTH: MAX.	45 ins.
	HEIGHT:	11.1/2 ins.
SEAT CUSHION TO ROOF: (UNCOMPRESSED)	FRONT: DIM. E.	37 ins.
	REAR: DIM. F.	- ins.
WIDTH OVER SEATS AT ELBOW BETWEEN DOORS:	FRONT: DIM. G.	48.1/2 ins.
	REAR: DIM. H.	- ins.
MINIMUM WIDTH OF REAR SEAT BETWEEN WHEEL ARCHES: DIM. J.		- ins.
WIDTH OVER SEATS AT CUSHION HEIGHT BETWEEN DOORS:	FRONT: DIM. K.	48.1/2 ins.
	REAR: DIM. L.	- ins.
WIDTH OF FRONT SEAT:	EACH SEAT DIM. M.	17 ins.
	BOTH SEATS DIM. N.	40 ins.
HEIGHT OF CUSHION ABOVE FLOOR:	FRONT: DIM. P.	7 ins.
	REAR: DIM. Q.	- ins.
DEPTH OF CUSHION (Front to Rear)	FRONT: DIM. R.	18.1/2 ins.
	REAR: DIM. S.	- ins.
HEIGHT OF SQUAB:	FRONT: DIM. T.	21 ins.
	REAR: DIM. U.	- ins.

Details of Modifications	Change Point	Note Reference
Issue		Section GEN 6

ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series M.G.A. Twin Cam (K.L.187)	Book No. 22/G.1.
Section	GENERAL DATA	Sheet No. 7 of 9
Sub-Section	DIMENSIONAL	Date

STEERING WHEEL TO FRONT SQUAB: DIM. V	MAXIMUM:	17 ins.
	MINIMUM:	12 ins.
TOP OF FRONT CUSHION TO STEERING WHEEL: DIM. W:		6 ins.
TOE BOARD TO FRONT OF FRONT SQUAB: 5" UP FROM TOP OF CUSHION, DIM. X.	MAXIMUM:	48.1/2 ins.
	MINIMUM:	43.1/2 ins.
PEDALS TO FRONT OF FRONT SQUAB. 4" UP FROM TOP OF CUSHION, DIM. Y.	MAXIMUM:	41.1/2 ins.
	MINIMUM:	36.1/2 ins.
LEG ROOM. FRONT DIM. Z. REAR DIM. AA.	MAXIMUM:	49 ins.
	MINIMUM:	44 ins.
	MAXIMUM:	-
	MINIMUM:	-
INTERIOR LENGTH, FACIA TO REAR SQUAB: DIM A-B:		-
LUGGAGE BOOT.	DIM. AC. WIDTH - MAXIMUM:	39 ins.
	DIM. AD. WIDTH, OPENING:	30 ins.
	DIM. AE. DEPTH - MAXIMUM:	30 ins.
	DIM. AF. HEIGHT - MAXIMUM:	14 ins.
	CUBIC CAPACITY:	9936 cub.ins.
	OPEN LID TO GROUND:	49 ins.
DIM AG.	PLATFORM HEIGHT TO GROUND:	19 ins.
BONNET:	LOWEST EDGE (OPEN) TO GROUND:	57 ins.
	LOWEST PROJECTION IN OPEN POSITION TO GROUND:	53 ins.
GLOVE BOX OR PARCEL TRAY	WIDTH:	-
	DEPTH:	-
	HEIGHT:	-

See Sheet No. 3. for additional data required for Vans, Travellers Cars, & Commercial vehicles.

Details of Modifications	Change Point	Note Reference
Issue		Section GEN. 8

ENGINEERING TECHNICAL DATA

Model	M.A. 2 Seater Series M.C.A. Twin Cam (K.L.187)	Book No.	TD/G. 1
Section	GENERAL DATA	Sheet No.	8 of 9
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ADDITIONAL DATA FOR VANS, TRAVELLERS CARS, AND COMMERCIAL VEHICLES.

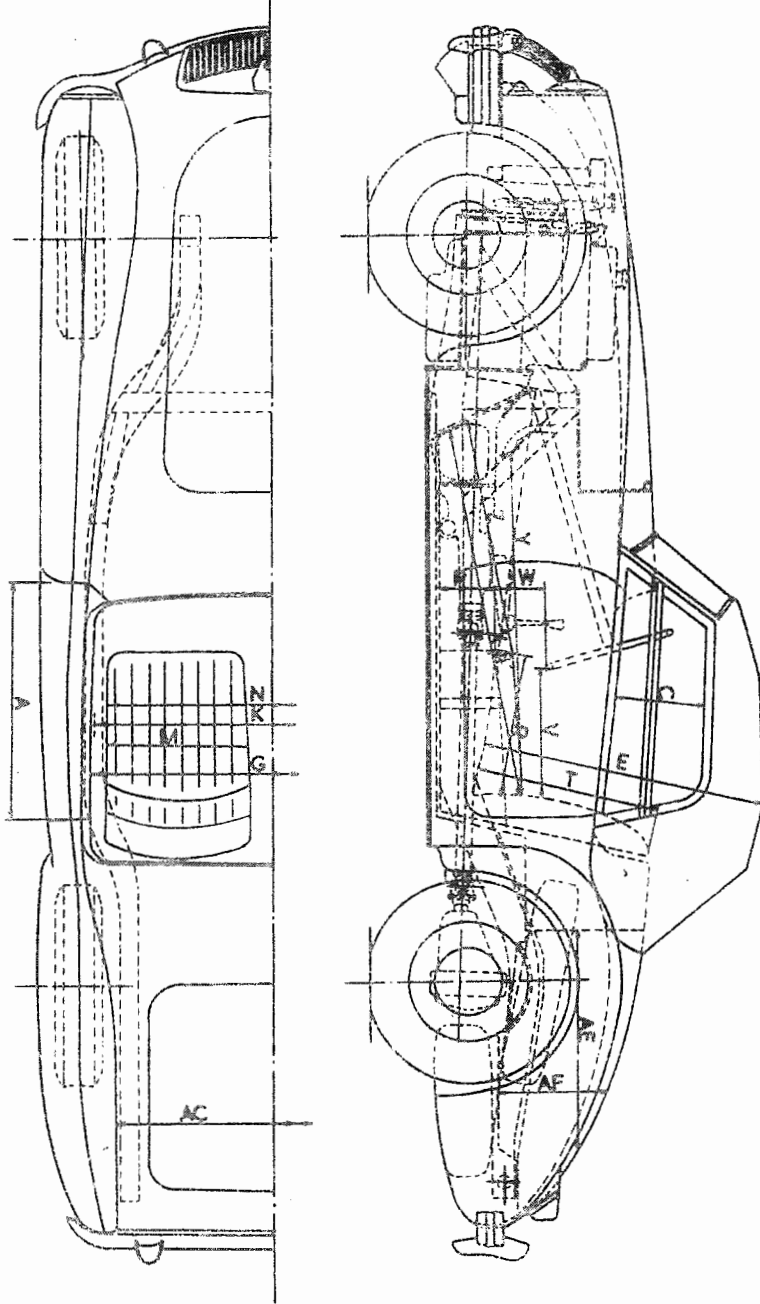
INTERIOR:	HEIGHT (MAX):	ins.
	WIDTH (MAX):	ins.
REAR DOOR OPENING:	HEIGHT:	ins.
	WIDTH:	ins.
CUBIC CAPACITY:	BODY ONLY:	cub.ins.
	BODY & CAB:	cub.ins.
MAX INTERIOR LENGTH (INCLUDING SPACE ALONGSIDE DRIVER):		ins.
KNEE ROOM REAR (BACK OF FRONT SEAT TO FRONT OF REAR CUSHION):	MAXIMUM:	ins.
	MINIMUM:	ins.
GROUND TO BODY FLOOR:		ins.
REAR OF CAB TO REAR OF BODY (INTERIOR):		ins.
REAR OF SEATS TO REAR OF BODY (INTERIOR):		ins.

Details of Modifications	Change Point	Note Reference
Issue 1.		Section GEN. 8

ENGINEERING TECHNICAL DATA

Model M.G. 2 Seater Series M.G.A. Twin Cam (EX.187)	Book No. TD/G.1.
Section GENERAL DATA	Sheet No. 9 of 9
Sub-Section DIMENSIONAL	Date

SEATING ARRANGEMENT DIAGRAM



Details of Modifications	Change Point	Note Reference
Issue		Section GEN.9