

SECTION  
IGNITION SYSTEM

SUB SECTIONS.

SPARK PLUG & SUPPRESSORS; DISTRIBUTOR;  
COIL; DISTRIBUTOR LIMIT CURVE.

SECTION SHEET No.	SUB-SECTION	INFORMATION SUPPLIED BY
1	SPARK PLUGS AND SUPPRESSORS	MR. J. R. THOMAS
2	DISTRIBUTOR AND COIL	
3	LIMIT CURVE	

# ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series M.G. Twin Cam (EX187)	Book No. TD/G.1.
Section	IGNITION SYSTEM	Sheet No. 1 of 3
Sub-Section	SPARK PLUGS & SUPPRESSORS	Date

MAKE:	Champion
MODEL:	<del>N5</del> (N3)
REACH:	3/4" (Long reach)
SIZE:	14mm.
GAP AT-ELECTRODES:	.024/.026"
NUMBER OF ELECTRODES:	1.
OTHER MANUFACTURER'S EQUIVALENTS:	

<u>SUPPRESSORS.</u>	
NUMBER FITTED:	4.
TYPE:	Lucas
LOCATION:	At each Plug.

H.T. CABLE LENGTHS.	No.1. PLUG. 33 1/2 ins. No.2. PLUG. 31 ins No.3. PLUG. 29 ins No.4. PLUG. 29 ins No.5. PLUG. No.6. PLUG. COIL-DISTRIBUTOR. 17 ins.
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Details of Modifications	Change Point	Note Reference
N 5 was N 3 N5 Reverts to N3	From Outset 16GB1187	TD. MGR/8 TD/MGR.12.
Issue 1, 2, 3.		Section D. 1

# ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series MGA Twin Cam	Book No.	TD/01
Section	IGNITION SYSTEM	Sheet No.	2 of 3
Sub-Section	DISTRIBUTOR & COIL	Date	

**DISTRIBUTOR.**

MAKE: Lucas

TYPE:

MODEL: 23 D 4

SERVICE NUMBER: 40718

POSITION: L.H. Side of Engine (from rear) in front of Timing Case

SEALING:

DIRECTION OF ROTATION: Clock wise viewed from drive end

CONTACT POINT GAP: .014" - .019" (INITIAL) .014" - .016" (SERVICE)

CONDENSER CAPACITY: .18 - .23 microfarads

IGNITION SETTING: T.D.C. 9.9 : 1 CR (8.3 CR - 8° BTDC)

TIMING MARKS:

VERNIER ADJUSTMENT: nil

FUEL TRAP: Nil

AUTOMATIC ADVANCE TYPE: 'W' Mechanism

AUTOMATIC ADVANCE COMMENCES AT: 500 - 700 Engine RPM.

MAX ADVANCE. 14 deg. at 3500 Distributor rpm.

CAM TYPE: Asymmetrical

VACUUM CONTROL: Nil deg. Advance at Ins. mercury.

**COIL.**

MAKE: Lucas

TYPE: HA.12

SERVICE NUMBER: 45054

POSITION FITTED: Mounted on body

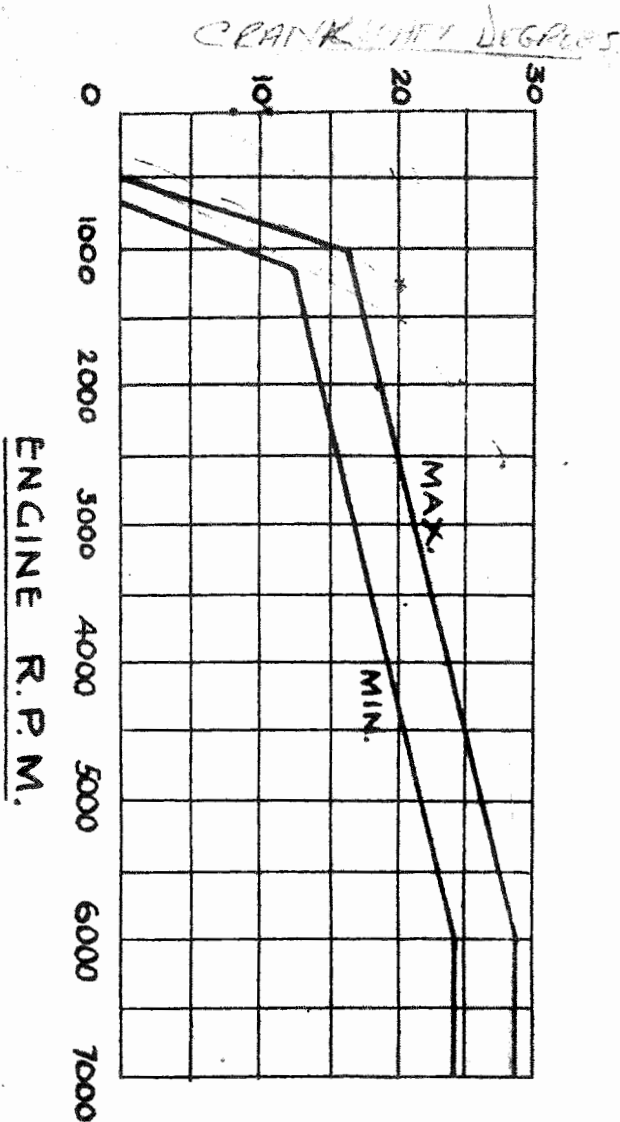
SEALING:

Details of Modifications	Change Point	Note Reference
<p><b>New Distributor</b></p> <p>8.3 CR - 8 BTDC added</p>	<p>2011 intermittent to 2222 Service</p>	<p>TD.MER 31 TD.MER.37</p>
<p>Issue 2.3.</p>		<p>Section D.8</p>

# ENGINEERING TECHNICAL DATA

Model	M.G. 2 Seater Series M.G.A. Twin Cam (K.L.187)	Book No. TD/4.1.
Section	IGNITION SYSTEM	Sheet No. 3 of 3
Sub-Section	DISTRIBUTOR (PRODUCTION LIMIT CURVE)	Date

- PRODUCTION LIMIT CURVE -



IGNITION ADVANCE CURVE  
 M.G.A. TWIN CAM ENGINE  
 L.I. 17978  
 AEJ 41 NOV. 1959  
 LUCAS 23 D 4 DISTRIBUTOR

Details of Modifications	Change Point	Note Reference
Re-drawn for new distributor	2011 intermittent to 2222	TD.MGR.31
Issue 2		Section D. M