

# CRYPTON

## TECHNICAL BULLETIN

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BULLETIN 45/67  
 DOWNTON CONVERSION DATA  
 for M.G. & Austin-Healey models.

JUNE 1967

Test data covering the well-known Downton engine conversions for M.G. and Austin-Healey models is given below and overleaf.

If further information is required on this specialised type of tuning, enquiries should be referred to Downton Engineering Works Ltd., Downton, Salisbury, Wilts.

Model	Type of Tune	Compression ratio	Static Ignition Timing BTDC	Distributor Lucas Serial No.
Sprite Mk. I	Touring	9.5 :1	5°	40561B (Standard)
Sprite Mk. II & III Midget Mk. II	Touring	9.6 :1	3°	40919A/B (Standard)
Sprite Mk. IV	Touring	9.6 :1	TDC	40819 (Standard)
M.G. B	Stage 1	9.3 :1	6° to 8°	40897 (Standard)
"	Stage 2	9.3 :1	5°	40897 (Standard)

continued overleaf.

(For M.G. 1100 data see Bulletin 44/67)

BULLETIN 45/67Downton Conversion Data for M.G. & Austin-Healey modelsDISTRIBUTOR ADVANCE DATA

Lucas Serial No.	Centrifugal Advance (C/Shaft degrees - Engine RPM)			Vacuum Advance (Ins.Hg - C/Shaft degrees)		
	No advance below	Advance of	Maximum advance	Advance starts	Advance ends	Maximum advance
40561B	600	10-14 at 2000	24-28 at 5600	5"	12"	12°
40819	450	10-14 at 1600	28-32 at 7600	N I L		
40897	400	7-11 at 900	18-22 at 2200	5"	13"	20°
40919A/B	660	14-18 at 1800	30-34 at 5500	4"	13"	20°

ALL MODELS

Valve clearances - Inlet & Exhaust (hot) : .015" (0.38 mm)  
Distributor - Contact Breaker Gap : .015" (0.38 mm)  
                      - Dwell Angle : 60°  
Spark Plugs - Make & Type : KIG FE65P (except Sprite  
  Mk. IV - FE125 P)  
                      Gap : .025" (0.65 mm)

CARBURETTOR DATA

Model	Type of Tune	S.U. Carb. type	Needle	Spring
Sprite Mk. I	Touring	Twin HS2	AH2	Blue
Sprite Mk. II & III Midget Mk. II	Touring	Twin HS2	AN	Blue
Sprite Mk. IV	Touring	Twin H4	AO	Blue
M.G. B	Stage 1	Twin HS4	6	Blue
"	Stage 2	Twin HS6	TZ	Red