

# CRYPTON

## TECHNICAL BULLETIN

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BULLETIN 46/67  
DOWNTON CONVERSION DATA  
for B.M.C. 1800 Models

JUNE 1967

Test data covering the well-known Downton engine conversions for B.M.C. 1800 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.
Austin & Morris 1800	Stage 1	9.2 :1	10° to 12°	40969 (Standard)
"	Stage 2	9.2 :1	5°	40780 (Special)
"	Executive	10 :1	8°	40897 (Special)

continued overleaf.

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Downton Conversion Data for B.M.C. 1800 Models

DISTRIBUTOR 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	Starts	Ends	Maximum advance
40780	300	12-16 at 1300	22-26 at 3000	7"	14"	20°
40897	400	7 -11 at 900	18-22 at 2200	5"	13"	20°
40969	700	11 at 2000	24 at 5000	3"	10"	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 : KLG FE65 P  
                   - Gap : .025" (0.65 mm)

CARBURETTOR DATA

Model	Type of Tune	S. U. Carb. Type	Needle	Spring
Austin & Morris 1800	Stage 1	Single HS6	TW	Yellow
"	Stage 2	Twin HS6	TZ or SV	Red
"	Executive	Twin HS6	TZ	Red