



# Hambro

AUTOMOTIVE CORPORATION

No. 97

## PARTS AND SERVICE BULLETIN

• 734 GRAND AVENUE • RIDGEFIELD, N. J. • WH 3-0

July 8, 1960

TO ALL DISTRIBUTORS AND DEALERS

Re: Factory Tune-up Specifications

Gentlemen:

Full details on tune-up specifications for BMC vehicles are contained in the respective Workshop Manuals.

However, we feel that it would be advantageous, particularly in the tune-up departments of the Dealerships to have the major specifications for current production BMC vehicles on one handy form. We, therefore, take pleasure in enclosing specification sheets for current production BMC vehicles equipped with S.U. carburettors.

Further information on ignition timing and electrical equipment is in the course of preparation so that engine analyzing equipment can be put to full use on BMC products. Immediately these specifications are completed they will be released in bulletin form.

Trusting that the foregoing will prove helpful, we remain,

Very truly yours,

HAMBRO AUTOMOTIVE CORPORATION

*A.D. Woods*  
A.D. Woods  
Service Manager (Technical)

ADW/rw/t  
Encls.

STANDARDISED ENGINES

(WITH S.U. CARBURETTORS)

MODEL	COMP. RATIO	CARB. TYPE	CARBURETTER NEEDLES			PETROL CONS.	CARBURETTER SPRINGS	MAXIMUM SPEEDS	IGNITION SETTING	DISTRIBUTOR LUCAS NO.	
			RICH	STANDARD	WEAK						
MINI-MINOR	8.3 : 1	HS2	M	EB	GG	40/45	Red 4 1/2 oz @ 2 3/8"	72.7	TDC	40648A (Premium Fuel)	
MINI-MINOR	8.3 : 1	HS2	M	EB	GG	40/45	Red 4 1/2 oz @ 2 3/8"	72.7	3° B.T.D.C.	40707 (Regular Fuel)	
MINOR II	7.2 : 1	H1	EB	GG	MOW	38/44	Green/Black 5oz @ 2 1/2"	66	2° B.T.D.C.	40299E	
MINOR 1000 L.C.	7.2 : 1	H2	S	BX1	MO	38/42	Red 4 1/2 oz @ 2 3/8"	70.5	4° B.T.D.C.	40569A	
MINOR 1000 H.C.	8.3 : 1	H2	S	BX1	MO	38/42	Red 4 1/2 oz @ 2 3/8"	72.5	4° B.T.D.C.	40561B	
MINOR 1000 L.C. (From Eng. No. 353449)	7.2 : 1	HS2	AH2	M	EB	38/42	Red 4 1/2 oz @ 2 3/8"	70.5	4° B.T.D.C.	40569A	
MINOR 1000 H.C. (From Eng. No. H 353642)	8.3 : 1	HS2	M	M	M	38/42	Red 4 1/2 oz @ 2 3/8"	72.5	4° B.T.D.C.	40561A	
NEW DISTRIBUTOR	"	"	"	"	"	"	"	"	5° B.T.D.C.	40675A (Regular Fuel)	
COWLEY 1200 cc	7.2 : 1	H2	M6	M8	MO	32/34	Red 4 1/2 oz @ 2 3/8"	72	4° B.T.D.C.	40425 A/B	
OXFORD II	7.2 : 1	H2	M6	M8	MO	30/32	Green 12oz @ 3"	74	4° B.T.D.C.	40499	
COWLEY II	7.2 : 1	H2	HA	EB	GG	30/32	Green 12oz @ 3"	74	6° B.T.D.C.	40499A	
OXFORD III	7.2 : 1	H2	HA	EB	GG	30/32	Green 12oz @ 3"	74	6° B.T.D.C.	40499A	
OXFORD V	7.2 : 1	HS2	AH2	M	EB	30/32	Red 4 1/2 oz @ 2 3/8"	74	T.D.C.	40624A	
FIFTEEN FIFTY	7.2 : 1	HS2	HA	EB	GG	30/32	Green 12oz @ 3"	76	6° B.T.D.C.	40499A	
FIFTEEN SIXTY	7.2 : 1	HS2	AH2	M	EB	30/32	Green 12oz @ 3"	76	T.D.C.	40624A	
WOLSELEY 1500 R.H.S. 37633	7.2 : 1	H2	HA	EB	GG	30/32	Red 4 1/2 oz @ 2 3/8"	78	6° B.T.D.C.	40499A	
" L.H.S. 37500	7.2 : 1	HS2	HA	EB	GG	30/32	Red 4 1/2 oz @ 2 3/8"	78	6° B.T.D.C.	40499A	
COWLEY II	8.3 : 1	H2	AH2	M	CF	30/32	Yellow 8oz @ 2 3/4"	76	5° B.T.D.C.	40570A	
OXFORD III	8.3 : 1	H2	AH2	M	CF	30/32	Yellow 8oz @ 2 3/4"	76	5° B.T.D.C.	40570A	
OXFORD V	8.3 : 1	HS2	AH2	M	EB	30/32	Red 4 1/2 oz @ 2 3/8"	78	5° B.T.D.C.	40643A	
FIFTEEN FIFTY	8.3 : 1	HS2	AH2	M	CF	30/32	Yellow 8oz @ 2 3/4"	78	5° B.T.D.C.	40570A	
FIFTEEN SIXTY	8.3 : 1	HS2	AH2	M	EB	30/32	Red 4 1/2 oz @ 2 3/8"	78	5° B.T.D.C.	40643A	
ISIS L.C.	7.2 : 1	H4	BE	No.7	A0	25/27	Green 12oz @ 3"	88	3/4° BTDC	40442D	
ISIS L.C. (Mod. cyl. head From Eng. No. 10793)	7.2 : 1	H4	BE	No.7	A0	25/27	Green 12oz @ 3"	88	3/4° BTDC	40580A	
ISIS H.C.	8.3 : 1	H4	BE	No.7	A0	25/27	Green 12oz @ 3"	92	3/4° BTDC	40442D	
ISIS P.C. (Mod. cyl. head From Eng. No. 10794)	8.3 : 1	H4	BE	No.7	A0	25/27	Green 12oz @ 3"	92	3/4° BTDC	40580A	
6/90 L.C.	7.2 : 1	Twin H4	No.3	GR	V2	22/24	Red 4 1/2 oz @ 2 3/8"	94	3/4° BTDC	40442D	
6/90 L.C. (Mod. cyl. head From Eng. No. L.8063)	7.2 : 1	Twin H4	No.3	GR	V2	22/24	Red 4 1/2 oz @ 2 3/8"	94	3/4° BTDC	40580A	
6/90 H.C.	8.3 : 1	Twin H4	CM	BV	No.3	24	Red 4 1/2 oz @ 2 3/8"	100	T.D.C.	40580A	
6/90 H.C. (Mod. cyl. head From Eng. No. H.8177)	8.3 : 1	Twin H4	F.J.	No.1	M5	24	Red 4 1/2 oz @ 2 3/8"	100	T.D.C.	40580A	
6/99 L.C.	7.2 : 1	Twin H4	-	M5	-	21	Yellow 8oz @ 2 3/4"	99	T.D.C.	40661A	
6/99 H.C.	8.3 : 1	Twin H4	-	M5	-	23	Yellow 8oz @ 2 3/4"	101.6	T.D.C.	40661A	
Magnette ZB	8.3 : 1	Twin H4	-	BQ	M5	29/31	Red 4 1/2 oz @ 2 3/8"	90	4° B.T.D.C.	40587 (2nd type)	
Magnette Mk III	8.3 : 1	Twin	HD4	FT	FU	M9	29/31	Red 4 1/2 oz @ 2 3/8"	85.5	8° B.T.D.C.	40644A
M.C.A	8.3 : 1	Twin H4	OC	GS	No.4	28/30	Red 4 1/2 oz @ 2 3/8"	90+	7° B.T.D.C.	40510	
M.C.A 1600	8.3 : 1	Twin H4	-	No.6	-	29	Red 4 1/2 oz @ 2 3/8"	94	6° B.T.D.C.	40510A	
M.C.A. Twin Cam	9.9 : 1	Twin H6 (.100 jet)	RH	OA6	OA7	27/28	Red 4 1/2 oz @ 2 3/8"	115	T.D.C.	40510B (1st type)	
									T.D.C.	40718 (2nd type)	
Riley 2.6 litre	8.3 : 1	Twin H4	FR	AJ	V2	22/24	Red 4 1/2 oz @ 2 3/8"	98.5	4/5° BTDC	40581A	
Riley 4/68	8.3 : 1	Twin	HD4	FT	FU	M9	32	Red 4 1/2 oz @ 2 3/8"	85.5	8° B.T.D.C.	40644A
Riley 1.5 litre	8.3 : 1	Twin H4	AR	AD	HA	29/31	Red 4 1/2 oz @ 2 3/8"	87	6° B.T.D.C.	40587A	
Austin Seven	8.3 : 1	HS2	M	EB	GG	40/45	Red 4 1/2 oz @ 2 3/8"	72.7	T.D.C.	40648A (Premium Fuel)	
Austin Seven	8.3 : 1	HS2	M	EB	GG	40/45	Red 4 1/2 oz @ 2 3/8"	72.7	3° B.T.D.C.	40707 (Regular Fuel)	
Cambridge Mk II L.C.	7.2 : 1	HS2	AH2	M	EB	30/32	Red 4 1/2 oz @ 2 3/8"	76	T.D.C.	40624A	
Cambridge Mk II H.C.	8.3 : 1	HS2	AH2	M	EB	30/32	Red 4 1/2 oz @ 2 3/8"	78	5° B.T.D.C.	40643A	
A/99 L.C.	7.2 : 1	Twin H4	-	M5	-	21	Yellow 8oz @ 2 3/4"	99	T.D.C.	40661A	
A/99 H.C.	8.3 : 1	Twin H4	-	M5	-	23	Yellow 8oz @ 2 3/4"	101.6	T.D.C.	40661A	
Austin Healey 3000	8.3 : 1	Twin	HD6 (.100 jet)	-	CV	-	20	Green 12oz @ 3"	110	5° B.T.D.C.	40662A
Austin Healey 100/6	8.3 : 1	Twin	HD6 (.100 jet)	RD	CV	SQ	20	Yellow 8oz @ 2 3/4"	100+	6° B.T.D.C.	40581A
Healey Sprite	8.3 : 1	Twin H1	MOW	GG	MO	MO	38/41	No Spring	80	5° B.T.D.C.	40561B
A/105 L.C.	7.2 : 1	Twin H4	3	V2	AC	AC	21/23	Red 4 1/2 oz @ 2 3/8"	94.5	3° A.T.D.C.	40442D
AUSTIN 8.40. F.A. 1000	7.2 : 1	HS2	M	EB	GG	40/45	Red 4 1/2 oz @ 2 3/8"	72.7	4° B.T.D.C.	40675A	
	8.3 : 1	"	"	"	"	"	"	"	5° B.T.D.C.	40675A	