

Hambro

AUTOMOTIVE CORPORATION

No.

144

PARTS AND SERVICE BULLETIN

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



July 28, 1961

TO ALL DISTRIBUTORS AND DEALERS

Re: BMC "C" type Gearbox
Austin Healey BN2, BN4,
BN6, BN7, BT7

Dear Sirs:

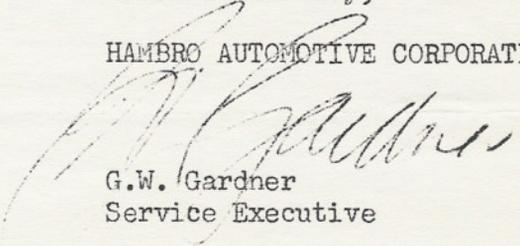
Gears used in the BMC "C" type gearbox as applied to six cylinder Austin Healey and the late BN2 Austin Healey 100-4 have been subject to four major changes which effect individual gear interchangeability. Gears used in the six cylinder cars, however, are interchangeable in complete sets.

To clarify the development of the "C" type gearbox and to assist in correct gear identification the attached chart giving part numbers of the various gears with their respective numbers of teeth, and identifying features has been prepared.

For reasons of immediate availability it is possible that some six cylinder Healeys have been serviced with a complete set of gears not as originally specified. Where the previous service history of a six cylinder Healey is not known reference to the chart should be made before ordering gearbox replacements.

Yours faithfully,

HAMBRO AUTOMOTIVE CORPORATION


G.W. Gardner
Service Executive

GWG/rw
Enc/1

MODEL	SERIAL NUMBER PREFIX	GEAR PART NUMBERS AND NUMBER OF TEETH						
		DRIVEGEAR	3rd SPEED	2nd SPEED	1st SPEED	LAYGEAR	REVERSE GEAR	
AH 100-4	BN2	1B 3718* 24	AEC 3170 28	AEC 3210 33	AEC 3071** 30	1B 3728 13-23-28-32	AEC 3003 19-14	*Can be fitted crankshaft pilc engine. **Use AEC 3507.
AH 100-6	BN4 & 6	AEC 3259 24						
AH 3000 Early	BN7 BT7	AEC 3358 19	AEC 3355 22	AEC 3757 27	AEC 3507 30	AEC 3359 14-18-23-26	AEC 3525 18-14	
AH 3000 Late	BN7 BT7	AEC 3472 20	AEC 3468 23	AEC 3469 28	AEC 3539 30	AEC 3616 13-17-22-25	AEC 3540 18-14	Fitted from Eng Eng Early models ha AEC 3616 with r placement.
AH 3000 Mark II	BN7 BT7	AEC 3472 20	AEC 3468 23	AEC 3469 28	AEC 3566*** 30	AEC 3649*** 13-17-22-25	AEC 3565*** 18-14	***Chamfered to Fitted from Ge Ge <u>Interchangeable</u>

GEAR PART NUMBERS AND NUMBER OF TEETH						REMARKS
3rd SPEED	2nd SPEED	1st SPEED	LAYGEAR	REVERSE GEAR		
AEC 3170 28	AEC 3210 33	AEC 3071** 30	1B 3728 13-23-28-32	AEC 3003 19-14	*Can be fitted to BN2 only (Longer crankshaft pilot to suit 4 cylinder engine. **Use AEC 3507.	
AEC 3355 22	AEC 3757 27	AEC 3507 30	AEC 3359 14-18-23-26	AEC 3525 18-14		
AEC 3468 23	AEC 3469 28	AEC 3539 30	AEC 3616 13-17-22-25	AEC 3540 18-14	Fitted from Engine No. 11342 on Std. Engine No. 10897 on O/D. Early models have bushed laygear, use AEC 3616 with needle rollers for replacement.	
AEC 3468 23	AEC 3469 28	AEC 3566*** 30	AEC 3649*** 13-17-22-25	AEC 3565*** 18-14	***Chamfered teeth (replacing rounded) Fitted from Gearbox No. 1824 on Std. Gearbox No. 12320 on O/D. <u>Interchangeable in sets only.</u>	