



# TECHNICAL SERVICE BULLETIN

The British Motor Corporation / Hambro Inc.

734 GRAND AVENUE, RIDGEFIELD, NEW JERSEY 07657

September 29, 1967

TO ALL DISTRIBUTORS AND DEALERS

Re: Sealed Beam Light Units - Fault Diagnosis

All Models

It is apparent that a very considerable proportion of Claims under the Warranty for these items cannot be substantiated, also that the reason for rejecting the parts is often designated by the vague term 'Faulty'.

1. The following faults are obviously not covered by the Warranty:

- (a) Damage due to mishandling (before or after fitting).
- (b) Impact damage in service (e.g., by flying stones).

The point of impact is usually revealed by an indentation around which are closely grouped stress cracks. Cracking of the unit will be accompanied by discoloration of the reflector.

- (c) Filament failure due to high voltage operation indicated by crystallization of the filament with perhaps fusion of the tungsten and support post tips.

Consideration could only be given to a Claim in this connection if supporting evidence (i.e., the reason for the excess voltage) revealed an original defect in workmanship or material (e.g., in the control box).

2. Justifiable claims are:

- (a) Cracks due to manufacturing faults.

Unlike 1 (b) above, these cracks will be straighter in character, usually running to the edge of the lens, often to a seating or location pad. There will be no tell-tale indentation.

- (b) Ingress of air (no sign of external damage to unit).

This fault is confirmed by white, blue or black deposits on the lens, reflector or tips of the filament supports.



# TECHNICAL SERVICE BULLETIN

No. 2 B 6

The British Motor Corporation / Hambro Inc.

734 GRAND AVENUE, RIDGEFIELD, NEW JERSEY 07657

-2-

## 2. Continued

## (c) Distortion or sagging of filament.

Provided this occurs early in the life of the unit (see para. 4), a manufacturing fault (probably with the clamping of the filament) is indicated.

NOTE: Sagging accompanied by signs of crystallization throughout the length of the filament (which must not be confused with 1 (c) above) denotes the end of normal service life and the necessity for renewal. There is no question of a Claim under Warranty.

3. When inspecting a filament, a magnified view may be obtained by finding its image in the reflector, looking through one of the flatter prisms of the lens. Breakage of filaments is unlikely to occur unless there is sagging or pitch distortion, as they are of robust construction.
4. Sealed beam light units have the date of manufacture stamped on the back in code. The code is as follows:

<u>Month</u>		<u>Year</u>	
January	A	1960	A
February	B	1961	B
March	C	1962	C
April	D	1963	D
May	E	1964	E
June	F	1965	F
July	G	1966	G
August	H	1967	H
September	J		
October	K		
November	L		
December	M		

Thus GF = July 1965

Early light units (prior to 1960) are instantly recognizable by the bronze medallion in the centre of the lens.