



LOTUS SERVICE BULLETIN

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Circulation List	Service Manager		Foreman				
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Title: Radiator Fan Motor.

Reason: It has been brought to our attention that in certain cases the Radiator Fan Motor has failed due to the brushes tipping. A simple modification to the brush gear of the motor will eliminate this problem, prolonging the life of the motor and increasing its efficiency.

Parts

Required: -

Price: -

Fitting Time: 1.00 hour.

Charges: U.K. - Warranty.....YES
 EXPORT - Factory..... YES
 - Distributor.....NO

Action: To carry out the modification to the brush gear proceed as detailed below, making reference to the Workshop Manual where necessary (Sections K.7 and M.16).

1. Remove the fan unit.
2. Remove the fan from the motor.
3. Detach the motor from the fan cowling by removing the three securing bolts.
4. Remove the two through bolts securing the motor end covers to the motor body and remove the end cover and brush gear.
5. With the brushes in position, scribe a line on each brush plate parallel to the side of each brush and equidistant from the brush and the existing small hole in the brush plate on the open side of the brush guide. (Fig.1).
6. Lift the brushes clear of their seating and drill a .0625 in. (1.875 mm.) hole at the centre point of each scribe mark (Fig.1). The hole should pass into but not through the Tufnol base.
7. Insert a length of .0625 in. (1.875 mm.) brazing wire into each hole and solder into place. Trim the rod flush with the top of the brush guide.
8. Replace the brushes and ensure that the brushes are able to move freely in their guides.
9. Reassemble the motor.
10. Waterproof the motor by wrapping tape round the junctions of the end covers and the motor body and painting the motor with undersealing compound.
11. Refit the fan cowling and fan and remount the fan unit in the car with the cable protector pointing downwards.
12. Connect the motor cables in their original positions (see Fig.2). The fan must turn CLOCKWISE viewed from the front of the car.

A new fan giving improved airflow characteristics with reversed direction of rotation is shortly to be introduced in production which will obviate the need for the brush gear modification.

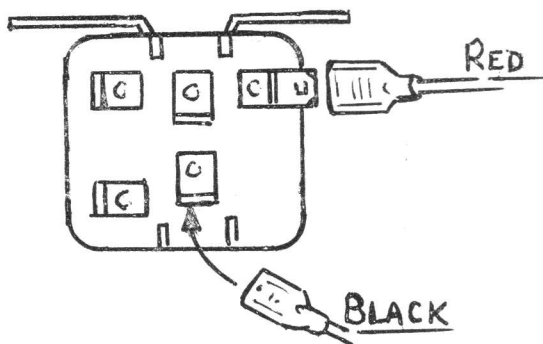
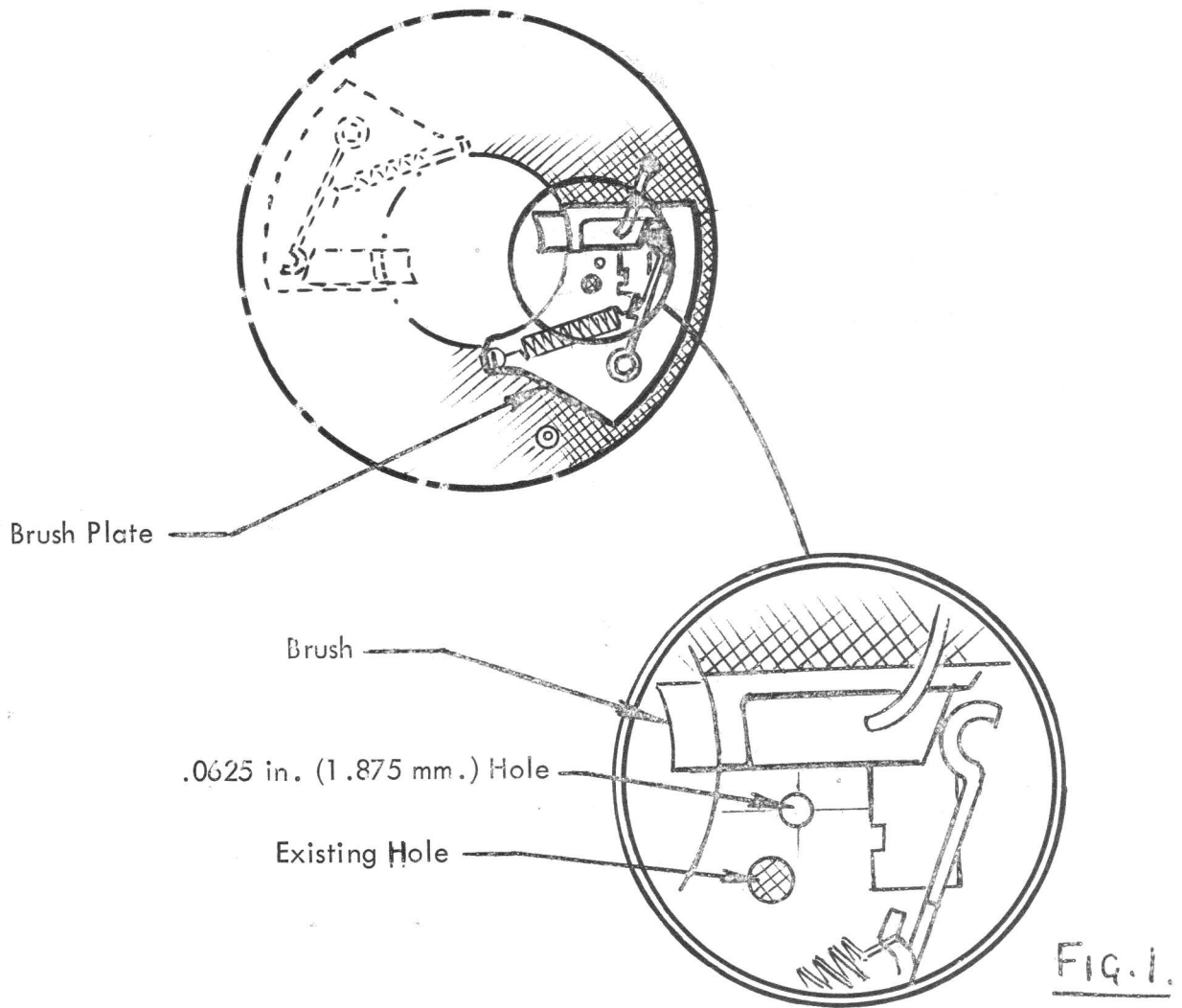


Fig. 2. VIEW OF UNDERSIDE OF FAN MOTOR RELAY