



TO: All Dealers

ORIGIN: T-30-5

DEPT: Service and Parts

DATE: March 19, 1962

SUBJECT: TRIUMPH HERALD HORNS

We are still receiving a number of warranty claims for the replacement of the "Cheer Hooter" electric horn fitted to the Triumph Herald. In many instances adjustment only is required and we give below a full procedure for the quick testing and adjustment of these units with the use of a volt meter and ammeter.

Maintenance

Maintenance is restricted to keeping the terminals and the surrounding areas clean.

Adjustment

The tonal quality and current consumption are accurately adjusted during manufacture.

Under normal conditions, factory setting, which may be reset by means of a small screw, should not require further attention.

Loss of Volume of Sound

This condition is due to insufficient current being drawn by the horn.

Turn the adjusting screw clockwise until the volume of sound is restored to normal. Then turn the screw counter-clockwise as far as possible without loss of sound. Under no circumstances should $3 \frac{1}{2}$ amperes be exceeded for 12 volt and $5 \frac{1}{2}$ amperes at 6 volt.

Erratic or Intermittent Operation

Erratic or intermittent operation is caused by slight maladjustment of the diaphragm or foreign matter between contact points.

Turn the adjusting screw clockwise for approximately half a turn. If this fails, turn the screw counter-clockwise until the horn operates at the correct note, which should be within 180 degrees either side of the original setting.

Complete Failure of Sound

In the case of a complete failure of sound, an examination of the connecting cables must be made to ensure the correct voltage is available at the terminals of the horn.

- a) If the horn has been losing volume, or some deterioration of tone noted, and then fails, the procedure outlined above in "Loss of Volume of Sound" should be followed.
- b) If the horn has been functioning satisfactorily and suddenly fails, check the current flowing in the circuit. If this is in excess of $3 \frac{1}{2}$ amperes for 12 volt or $5 \frac{1}{2}$ amperes for 6 volt, then turning of the screw in a counter-clockwise direction should bring the horn into operation. Conversely, if insufficient current is flowing, then turning the screw clockwise should restore the note.

The horn may be dismantled for examination of the internal connections and contacts only. Attempts to renew individual coils are neither practical nor economic.

It is essential that the horn is fitted to a solid member of the vehicle and in such a position that the cables from the battery are as short as possible to eliminate any possible voltage drop.

When carrying out adjustment for tone, ensure that the horn is mounted either on the vehicle or in a vice.

W. T. Yeager

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