

# The TRIUMPH Corporation

## SERVICE BULLETIN

September 21, 1967

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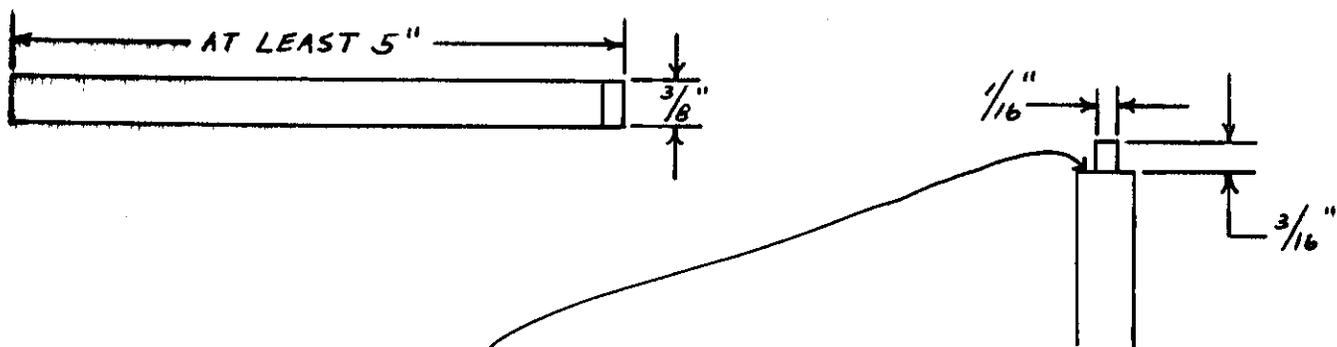
TO ALL EASTERN TRIUMPH DEALERS

SUBJECT: Tachometer Drive Thimble Replacement

In the event that the E4700 tach drive thimble in the exhaust camshaft of all unit construction "B" or "C" Range twins (from 1963) becomes inoperative, follow the steps outlined below to avoid dismantling the engine to install a new tach drive plug in the exhaust camshaft.

Proceed as follows:

- 1) Remove the tach drive gearbox or the cable adaptor from the crankcase.
- 2) Using a  $3/8$ " pin punch, drive the old tach drive thimble (E4700) at least 1" into the exhaust camshaft. The exhaust camshaft is not hollow all the way thru and the old thimble will not be able to get out of the camshaft once the complete repair job is effected.
- 3) The drive thimble ears that are broken off when the thimble is punched into the camshaft should be retrieved with a magnet if possible.
- 4) Thread the new repair drive plug (E7050) thru the threaded tach drive hole in the crankcase and into the camshaft as far as possible.
- 5) Using a drift constructed as shown below, drive the E7050 drive plug into the camshaft until it is just flush with the end of the shaft. Be careful not to drive this plug in too far as the drive gear blade must be engaged adequately with the drive plug slot.



This face must be square with the axis of the drift.

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- 6) Refit the tach drive gearbox or cable adaptor to the crankcase. Be sure to use a CD454 Stato-Seal between the tach drive gearbox and crankcase.
- 7) Before connecting the tach cable be sure that the cable is properly lubricated and works freely. Also, be sure that the brass "cup" ferrule (#31-315-135) is installed on the tach (or speedo)\* at the end of the cable connection part of the tach. Without this ferrule the tach cable will be "locked" and either the cable or the tach drive blade will break.

\* Applies to all magnetic speedos and tachs fitted since 1964.

Very truly yours,

THE TRIUMPH CORPORATION



Service Manager

Rod Coates:bjh