

IGNITION TIMING BY STROBOSCOPE

Undertake the initial procedure as in Section B29.

Remove the inspection plate secured by three screws) from the primary chaincase. As seen in Fig. B25 there is a marking on the outer face of the rotor which is to coincide with an ignition pointer on the primary chaincase to achieve the correct 38° ignition timing position.

On machines with the inspection plate on the primary cover but no provision for the timing pointer, a special timing plate D2014 is available and this is shown in Fig. B26. Note that D2014 has two markings, the one 'B' only being used on 650 c.c. applications.

NOTE: When using a stroboscope powered by a 12 volt battery as on external power

source, do not use the machines own battery equipment. (A.C. pulses in the low tension machine wiring can trigger the stroboscope and give false readings).

- (1) Connect the stroboscope to the right hand spark plug lead and start the engine. Read the strobo-light on the rotor marking in relation to the timing pointer or timing plate marking with the engine running at 2,000 R.P.M. or more. Adjust the main backplate on its slots until the marks align whereupon the timing on the one cylinder is correct.
- (2) Repeat for the L.H. plug and adjust the timing by slackening off the clamping screw on the auxilliary backplate and turning the eccentric screw (see Fig. B23) until again the markings align. Timing is then correct. Refit the primary chaincase inspection plate.

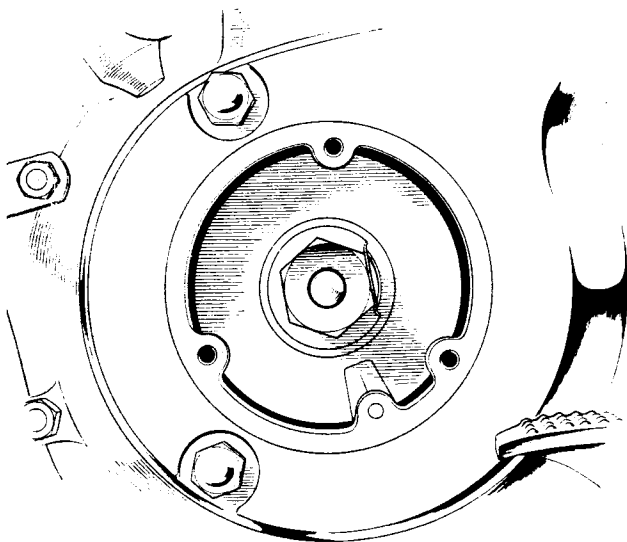


Fig. B25. Rotor marking

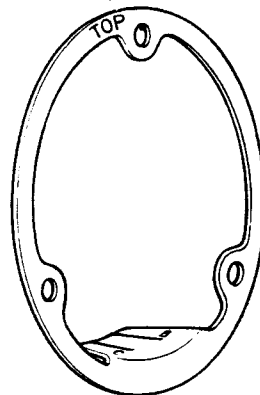


Fig. B26. Timing plate D2014

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