will be the spark advance, in addition to the initial advance thus arrived at.

Two timing holes one above the other are provided in the Stroboscope disc (see "S" insert 4, Fig. 1).

When a spark occurs a light shows through these holes and from the position of disc at the time the light flashes, the timing as well as the spark advance can be read by means of the movable peep sight "W" shown in Fig. 1.

5 Set peep sight at zero spark advance.

6 Adjust timing so that the timing light (small round hole) is in line with the peep sight.

Timing is adjusted by moving the screw "N" (see Fig. 2) up or down, as may be required, until the light at "S" appears in the center of the peep sight "W" (see Fig. 1).

After initial timing is correctly set, the spark advance characteristic of the Distributor is checked as outlined in operation 12127C.

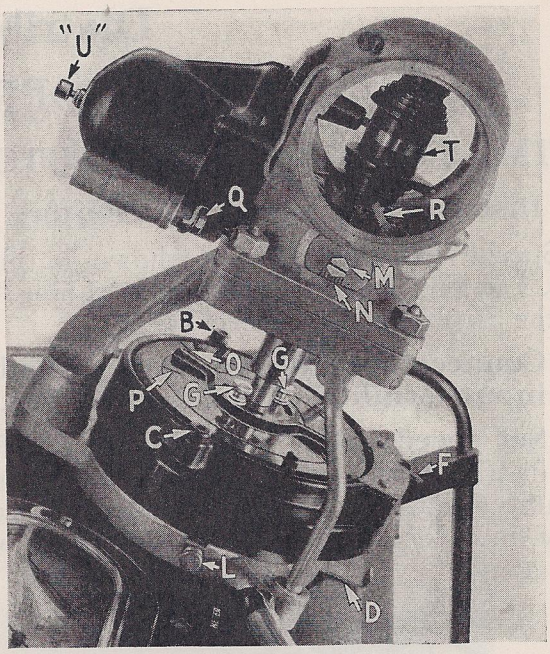

Fig. 2

OPR. 12127-C

CHECK SPARK ADVANCE

1 Set speed of Stroboscope to desired speed (see Fig. 3).

The degrees of spark advance at any speed can be quickly determined, however, to simplify these instructions a table of **speeds** at which tests should be run is **given below.** These speeds **represent the speed at which maximum advance should be reached. (Vacuum brake must be removed.)**

2 Set peep sight to line up with timing light.

3 Read spark advance in degrees for that speed.

MODEL	SPEED		ADVANCE	
	MPH. Scale "B"	RPM. Scale "S"	MAX.	MIN.
18	34	850	8½°	7½°
40-A	60	1500	12½°	11½°
40-B	60	1500	8½°	7½°
68	38	950	8½°	7½°
78	38	950	8½°	7½°
901	38	950	8½°	7½°
HB	38	950	8½°	7½°
86-H	38	950	8½°	7½°

Fig. 3

ABOVE APPLIES TO MODELS:

ALL

EQUIPMENT USED

HEYER—H1-FORD LABORATORY TEST SET..$135.00

HEYER—H1-DFZ DISTRIBUTOR STROBOSCOPE..... 35.00

Copyright 1938
FORD MOTOR COMPANY
DEARBORN, MICHIGAN
All rights reserved

Printed in U.S.A.