McCULLOCH

SERVICE BULLETIN #1111

SUBJECT TIMING PROCEDURE

MODEL 1-41, 1-51, 1-61, 1-71, 1-81, 1-81HD, 1-40, 1-50, 1-60, D30, D36, MC-5, MC-6

DATE 12/16/60

The new McCulloch Timing Indicator, P/N 57443A, and a timing light provide fast and accurate setting of the breaker point gap.

1. Remove the fan housing, the flywheel and the breaker box cover. Place the indicator on the crankshaft with the keyway slot fitting over the Woodruff key and with the side marked with the engine model being timed, facing out. Use the 1-41, 1-51 and 1-61 side for models D-30, D-36, 1-40, 1-50, 1-60, MC-5 and MC-6.

2. Disconnect the coil ground wire from the lamination mounting screw and fasten one lead of the timing light to the wire. Connect the other timing light lead to an unpainted surface of the engine. The timing light will be on when the breaker points are closed.

3. Turn the crankshaft so that the Indicator is between the left and middle legs of the lamination assembly (see figure 1).

At this first position of the Indicator, the breaker points are open and the timing light is out.

4. Turn the crankshaft clockwise until the tab on the end of the Timing Indicator comes up against the middle leg of the lamination (see Fig. 2). At this second position the timing light should be on.

5. Turn the crankshaft counterclockwise approx. 1/32-inch to the third position (Fig. 3). The timing light should go out.

6. Adjust the breaker points until the timing light turns on in position 2 and off at position 3 of the Indicator.

7. After setting the breaker point gap, tighten the breaker

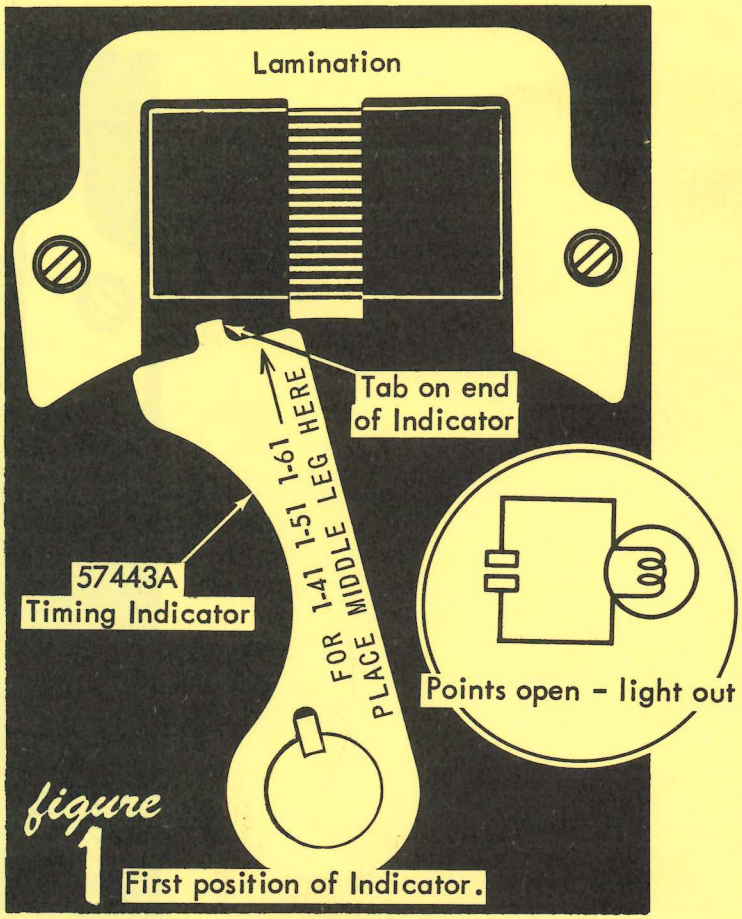


figure 1 First position of Indicator.

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point mounting screw and recheck the positions at which the timing light operates.

8. Remove the timing light and replace the breaker box cover and retainer. Tighten the retainer attaching screw to a torque value of 60 to 65 inch-pounds (5 to 5-1/2 foot-pounds).

9. Replace the coil ground wire on the lamination mounting screw and tighten the lamination mounting screw to a torque value of 35 to 40 inch-pounds (3 to 3-1/2 foot-pounds). Reinstall the flywheel, tightening the nut to a torque value of 400 to 500 inch-pounds (33 to 40 foot-pounds). Check and reset the flywheel-to-lamination gap (0.010 inch) if necessary and reinstall the fan housing.

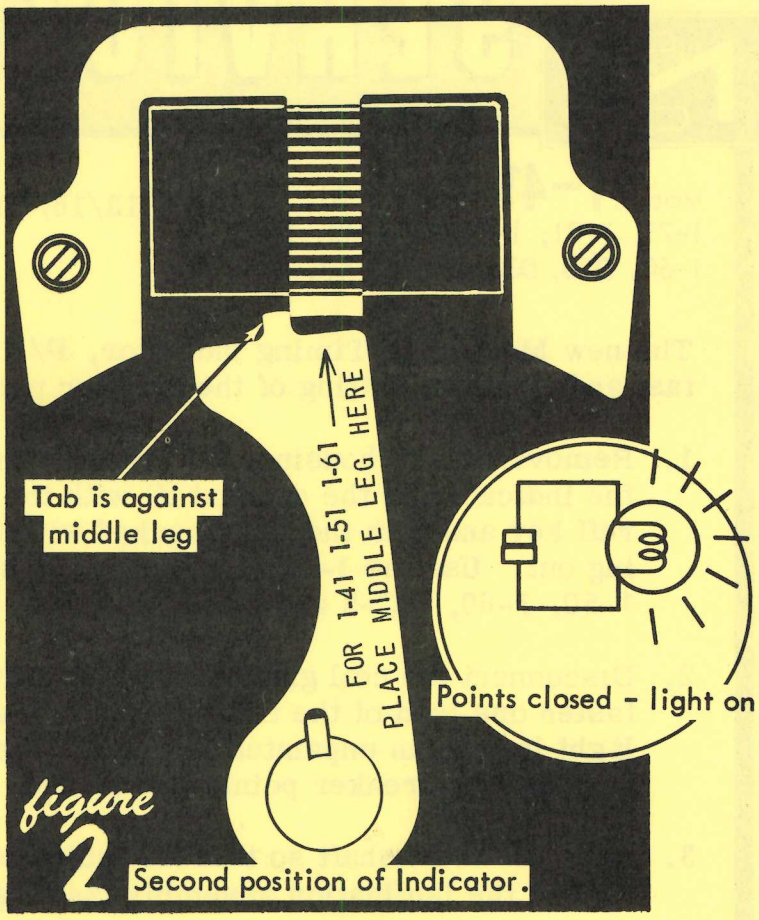


figure 2 Second position of Indicator.

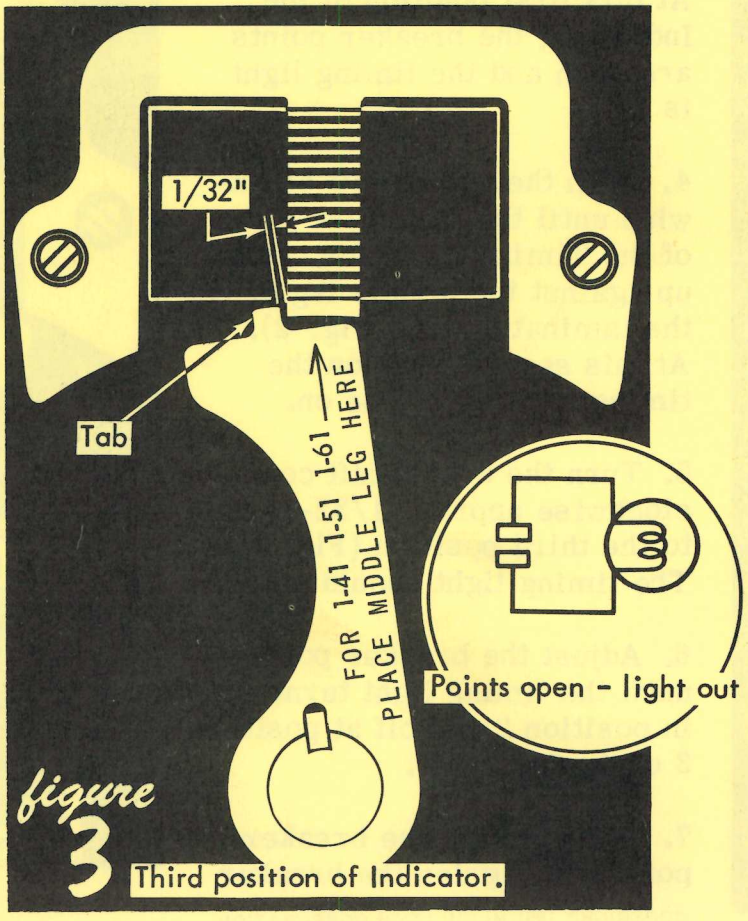


figure 3 Third position of Indicator.