

8N - Distributor (Side/Angle mount) - Timing Procedure

Related Pictures & Documents:

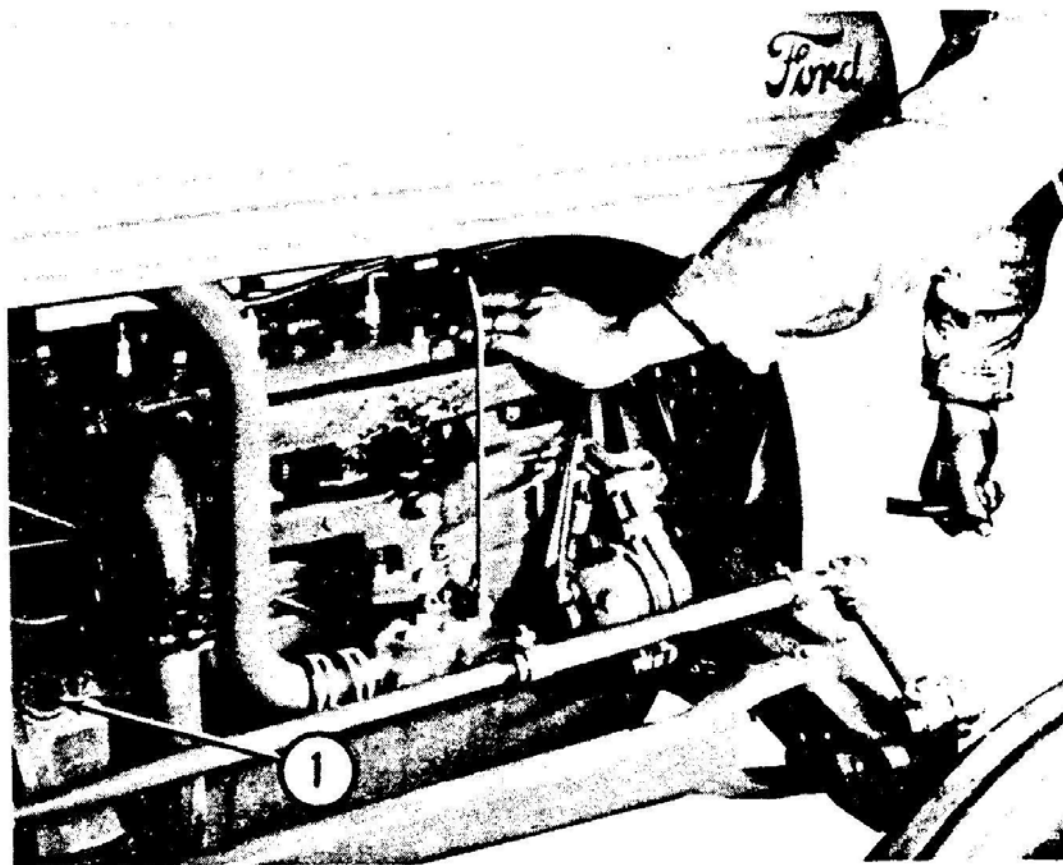
The following pictures with instructions will demonstrate the factory-recommended method for timing side-mount distributor engines. This info is from the Ford Dealer Mechanic Training Manual:

CORRECT INSTALLATION AND TIMING PROCEDURE FOR THE ANGLE DRIVE DISTRIBUTOR ON THE 8N FORD TRACTOR

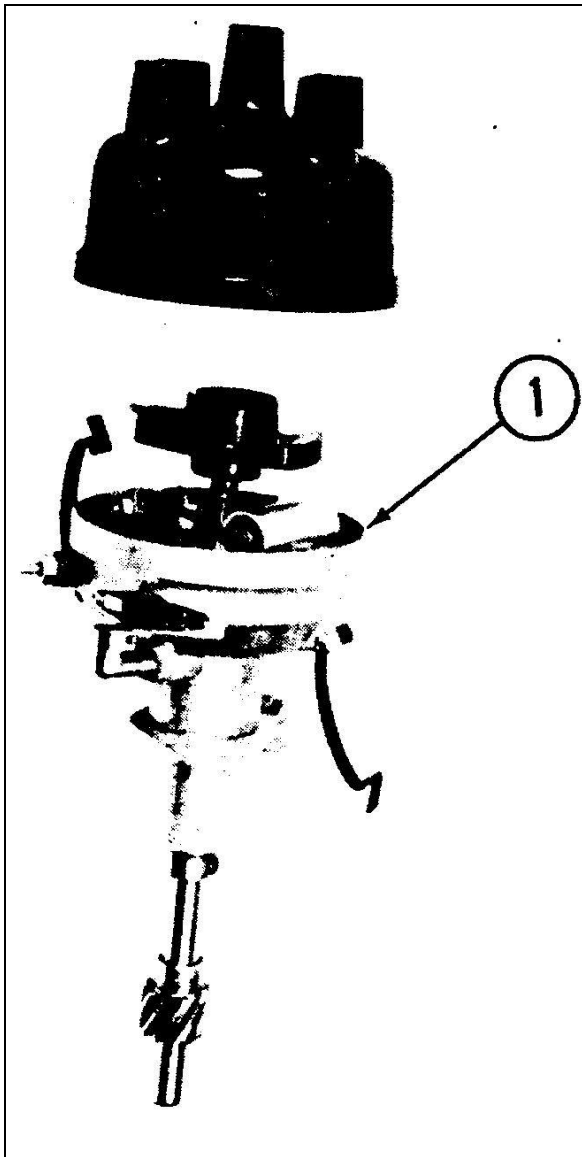
ATTACHMENT
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Remove #1 spark plug.

With ignition off, place thumb or finger over the #1 spark plug hole and crank slowly until compression is felt (Fig. 1).



(Fig. 1)



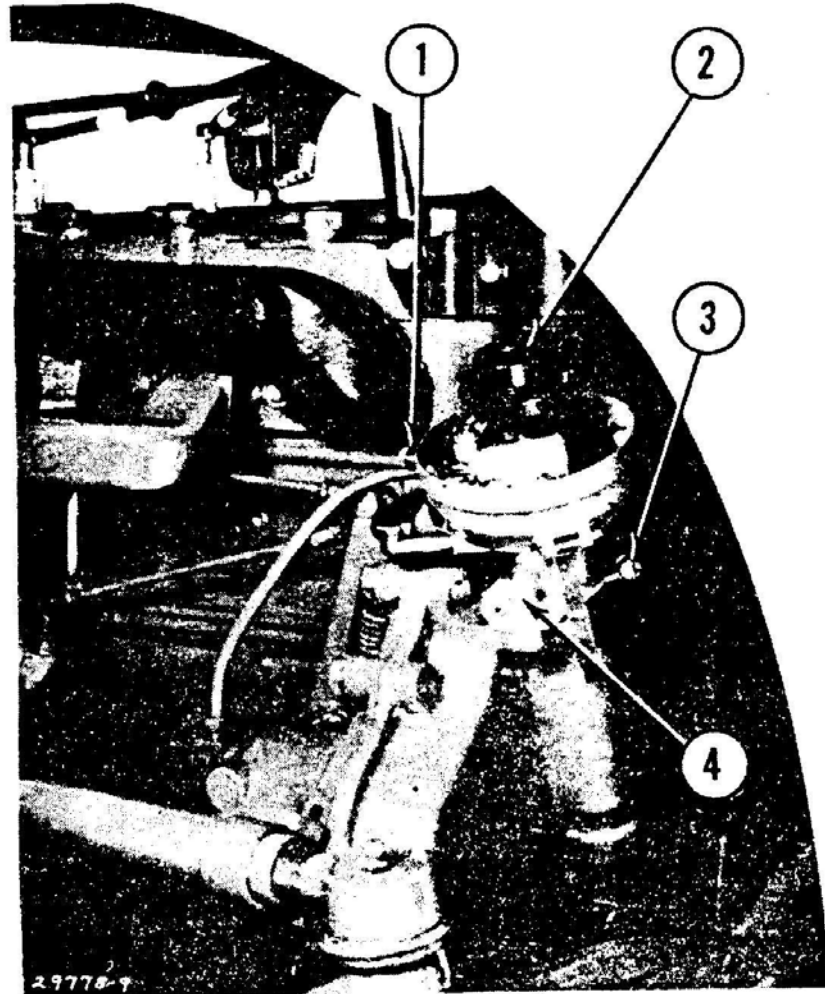
3. Continue to crank the engine until the timing mark, "0°" (dead center) on the flywheel, exactly aligns with the pointer in the timing window (1) Fig. 1 on the right side of flywheel housing.

NOTE: Flywheel is calibrated from "0°" to "20°" in two places, 180° apart.

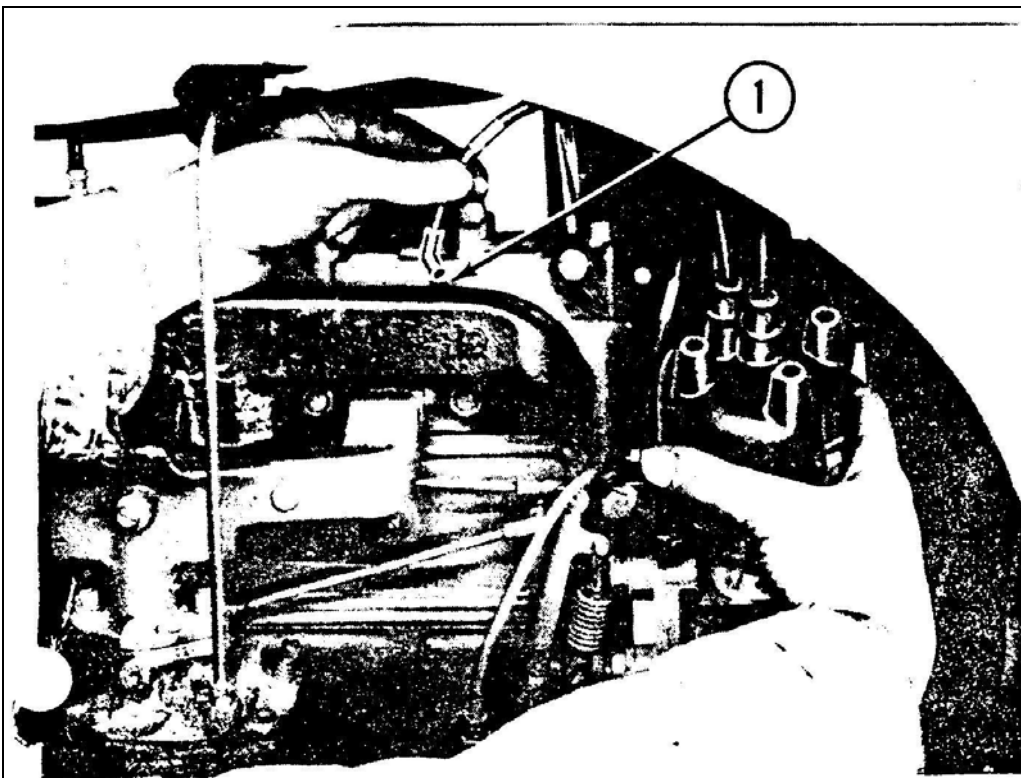
4. Insert the distributor assembly (1) Fig. 2. With the gears fully meshed, the rotor should point to the right front cylinder head bolt. If not, remove and re-engage until the proper rotor position is obtained (2) Fig. 3.

NOTE: The breaker point gap on this distributor should be .025".

5. Loosen the clamp screw (3), Fig. 3 center the adjustment slot on the cap screw (4), Fig. 3 and tighten the cap screw.
6. Position the distributor housing so that the primary terminal is pointing to the rear (1), Fig. 3.
7. Rotate the distributor "counter clockwise" until the breaker Points are closed.



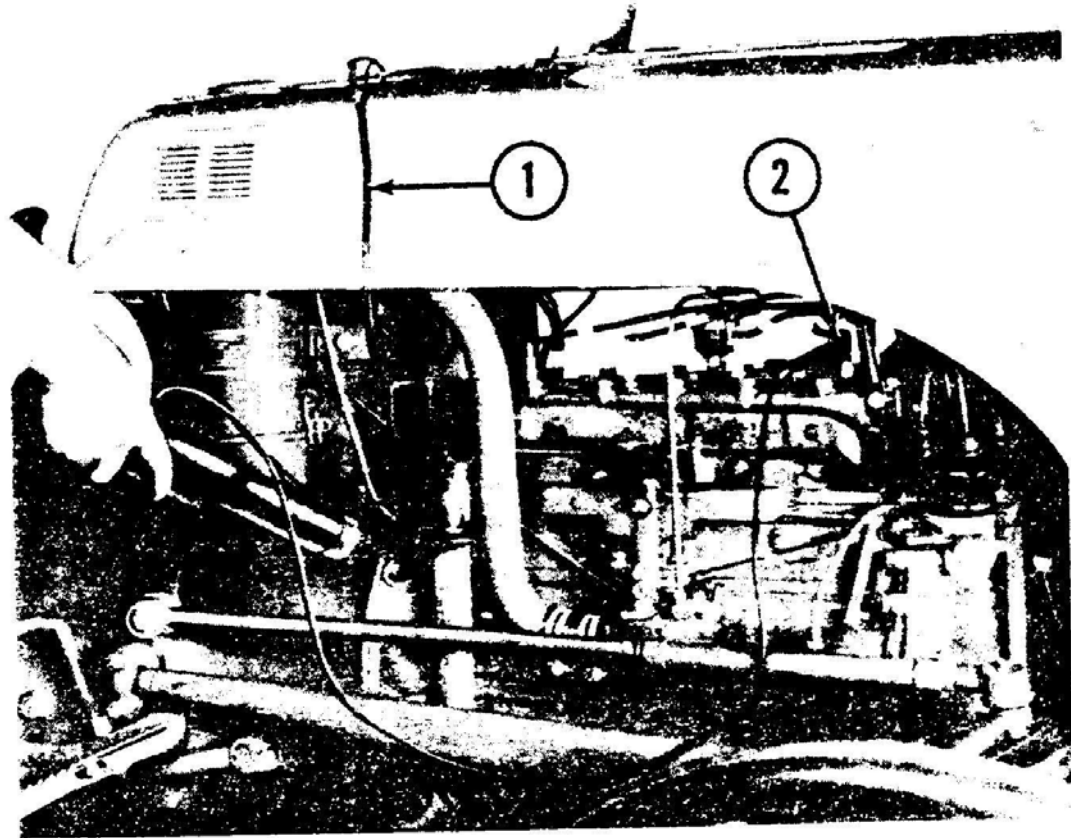
(Fig. 3)



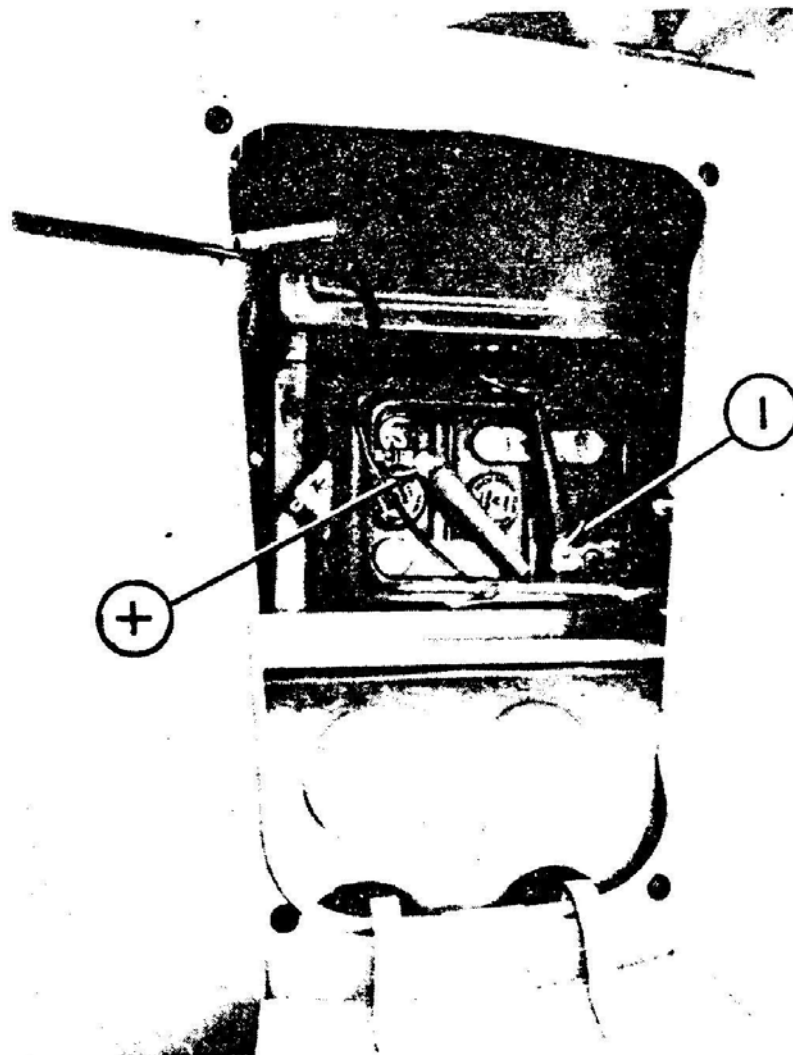
(Fig. 4)

8. Install the distributor cap; connect the primary, secondary and #1 spark plug wires (See Fig. 4).
9. Hold the end of #1 spark plug wire approximately $1/8$ " from the cylinder head or manifold with the ignition "on", and then slowly rotate the distributor housing "clockwise" until a spark occurs at (1), Fig. 4. Tighten the clamp screw (3), Fig. 3 securely. The spark should occur in less than $1/8$ turn of the distributor housing.

0. Install #1 spark plug and connect all spark plug wires to their respective numbers on the distributor cap (1 to 1, 2 to 2, 3 to 3, & 4 to 4).



(Fig. 5)



(Fig. 6)

11. Check the timing and automatic spark advance with timing light as shown in Fig. 5

- a. Connect the single timing light wire to #1 spark plug terminal (2), Fig. 5 and the double wire to the battery (1), Fig. 5 and Fig. 6.
- b. Start the engine and check the timing and automatic spark advance. The flywheel marks should line up with the timing window pointer, at various speeds, as follows:

400-500 rpm	4°
1000 rpm	8°- 9°
1500 rpm	12°- 13°
2000 rpm	17°- 18°



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