

MAINTENANCE

Do not crank the engine while distributor body is removed or it might be necessary to retime the magneto to the engine.

Remove the breaker arm from the chamber and clean all parts. Inspect the breaker points and, if necessary, dress them with a sharp, fine file. If the points are worn excessively, replace both points.

Fill the recess in the breaker post with grease and pack a small quantity of magneto grease in back of the breaker arm rubbing block (*Illusts. 30A and 30B*). See your International Harvester dealer for the proper grease to use.

Replace the breaker arm and be sure the points line up when the breaker arm is in place.

Check the opening between the breaker points (*Illust. 30A*) with a feeler gauge. The point opening should be .013 inch when the rubbing block is on the high part of the cam. If the opening is not correct, adjust it by loosening the screw holding the adjustable point (*Illust. 30A*) and moving the point up or down until the gauge slips snugly into the opening. After the proper adjustment has been made, tighten the screw.

With the engine on the top dead center of the No. 1 firing stroke, turn the distributor rotor until end "B" of the distributor rotor arm points to the No. 1 terminal on the distributor cap. Place the distributor body on the magneto and be sure the rotor shaft enters the D-shaped hole in the magneto

rotor pinion. Be sure the gasket is in place and tighten three screws "A" (*Illust. 30B*). - Replace the distributor cap.

Greasing the Distributor Gear

After every 2,000 hours of operation or at least every year, the distributor gear and distributor gear chamber should be cleaned and repacked with IH magneto grease. We recommend this be done by your International Harvester dealer.

Distributor Cap

Every three or four months, remove the distributor cap and examine the inside. If any dust, moisture or oil deposits are present, thoroughly clean and wipe dry. To assure long life of the distributor, care must also be taken to keep the three small ventilator holes in the bottom of the distributor cap open at all times. Also see that the distributor rotor is kept clean.

If the distributor cap terminal nipples are removed, be sure that the terminals and coil cover terminals are clean and dry.

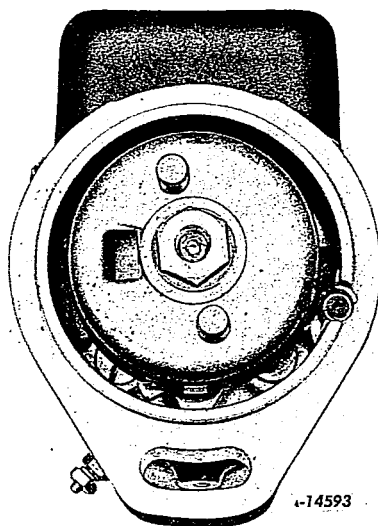
The magneto is equipped with these nipples to prevent any external electrical leakage when the tractor is operating under adverse conditions.

Magneto Impulse Coupling and Magneto Drive Chamber

When hand cranked, the impulse coupling should trip (click) twice for each revolution of the engine. Failure to do so indicates the need of cleaning or service.

Remove the magneto as described below. Hold the magneto at an angle of approximately 45 degrees, and flush the impulse coupling and magneto drive chamber with kerosene. During warm weather, oil the impulse coupling liberally with light oil, such as cream separator or sewing machine oil. Do not use oil during cold weather (below +32° F.). Flushing with kerosene is all that is required.

If it is necessary to remove the impulse coupling from the magneto for cleaning or service, we recommend that this be done by your International Harvester dealer.



Illustr. 31

Magneto removed showing impulse coupling.