

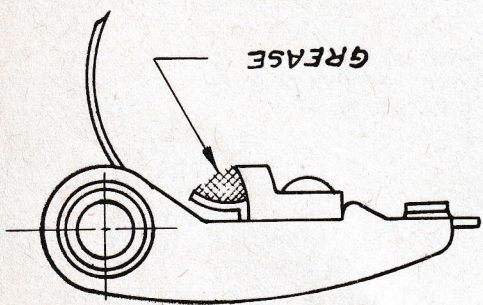
INTERNATIONAL F-4 AND F-6 MAGNETS



ILLUST. 32--SHOWING PROPER ASSEMBLY OF MAGNET ON F-4 MAGNET. TRADE-MARK ON SAME SIDE AS SERIAL NUMBER.

The effectiveness of the F-4 safety gap is also dependent on correct magnet polarity, so be sure to make this assembly correctly.

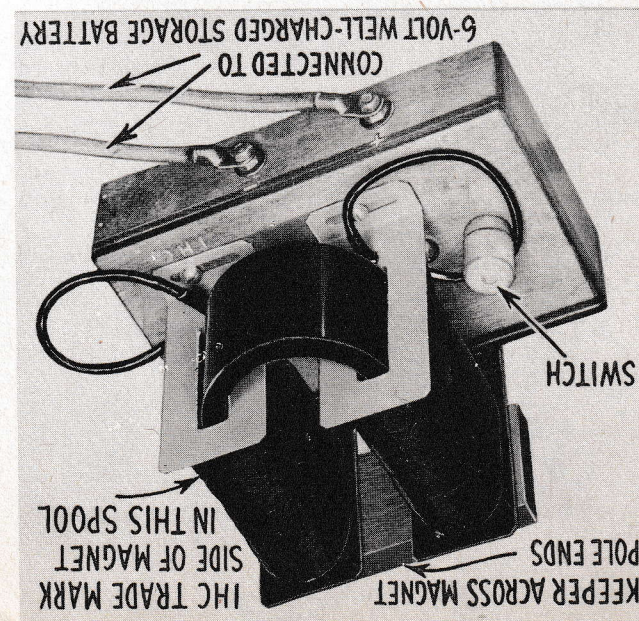
Breaker Points



ILLUST. 33--WHERE MAGNETO GREASE SHOULD BE PLACED ON BREAKER ARM TO LUBRICATE RUBBING FIBER.

The breaker point life may be very materially increased by keeping the breaker arm rubbing fiber properly lubricated with the long life grease turned in a tube with each magneto. Also keep points set to gauge. Wide point settings burn contacts rapidly.

The breaker point setting, that is the distance between the points in their wide-open position, is .013" in the F-4 and .020" in the F-6. This setting should be maintained as close as possible for maximum efficiency and checked periodically. See that the points are reasonably flat. File them a little if uneven point contact is formed. (See Breaker Adjustment, Page 9, ILLUST. 10.)



ILLUST. 31--RECHARGING MAGNETO MAGNET ON SPOOL TYPE CHARGER.

this will result in partial demagnetization.

To check for correct polarity, the north seeking pointer of a compass should point to the IHC trade-mark side of the magnet. Place a soft iron keeper across the magnet ends when magnet is removed from the magneto.

Because all the sparks of the F-4 magneto are of the same polarity it is essential that the magnet be assembled correctly. The trade-marked end of the magnet must be on the same side as the serial number on the magneto frame. This trade-marked end of the magnet should always attract the North pointing end of the compass. (See ILLUST. 32.) This breaker point positive and, with a condenser of the proper capacity, the slight crater or depression caused by the normal spark action between the points will always be on the stationary point. The peak will build up on the movable point. This means that the cheaper of the two points will be the one that will have to be replaced when such replacement is required. The peak may easily be removed from the movable point, which will make it the same as new.