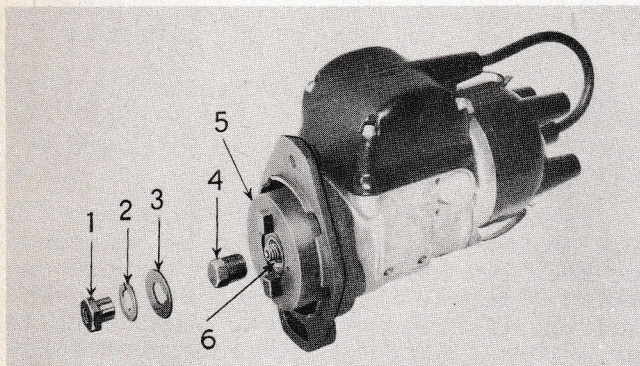


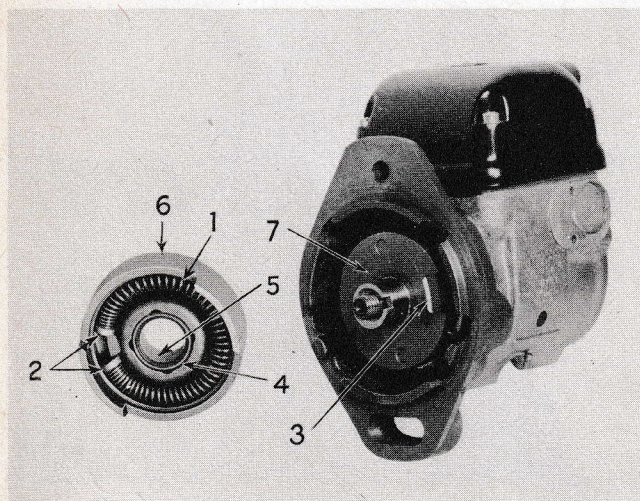
BLUE RIBBON SERVICE

To remove the impulse coupling insert a nail or pin through a hole (1), Illust. 110, in coupling drive member (2), locking the two elements together. Apply a socket wrench to the nut and a wrench to one of the driving lugs (3) to prevent shearing the nail or pin while removing nut. The impulse coupling may now be removed with tool No. SE-912 which screws into a thread provided inside coupling body (6), Illust. 111.

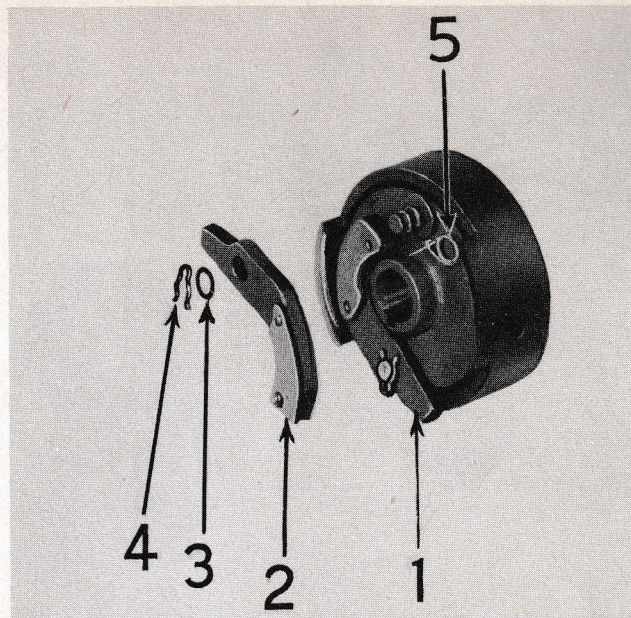


ILLUST. 111--REMOVING IMPULSE COUPLING. 1--IMPULSE NUT. 2--LOCK WASHER. 3--WASHER. 4--SERVICE TOOL SE-912. 5--IMPULSE DRIVE MEMBER. 6--THREAD ON INSIDE OF MAGNETO MEMBER.

The impulse coupling driving member (6) with impulse coupling spring (1) can readily be removed as shown in Illust. 112. The impulse coupling spring (1) should very seldom need to be removed from the driving member, but should it be necessary to remove the spring it can readily be pried out of place. To replace this spring, just compress it sufficiently to fit into the driving member as shown. Before assembling the impulse coupling member (6) with the body (7), soak the wick inside the impulse coupling spring and the felt inside retainer



ILLUST. 112--IMPULSE COUPLING REMOVED. 1--IMPULSE SPRING. 2--IMPULSE SPRING BUTTON. 3--LUG ON MAGNETO MEMBER. 4--FELT RETAINER. 5--DRIVE MEMBER HUB. 6--IMPULSE DRIVE MEMBER. 7--IMPULSE MAGNETO MEMBER.



ILLUST. 113--IMPULSE COUPLING COMPLETE SHOWING REAR SIDE OF MAGNETO MEMBER WITH IMPULSE PAWL REMOVED. 1--IMPULSE PAWL. 2--COUNTERWEIGHT. 3--WASHER 4--RETAINING SNAP RING. 5--IMPULSE PAWL SPRING.

(4) with either light household oil or cream separator oil. Also coat inside hub (5) of the driving member with I.H.C. magneto grease. The lug (3) should be a tight fit between the hardened button (2) on each end of the impulse coupling spring. If the buttons (2) should become worn or grooved renew them.

The first H-4 magnetos were built with an impulse coupling which had a missing speed of approximately 120 R.P.M. These couplings may be identified by their construction in that they did not have the counterweight (2) added to the pawls (1), Illust. 113; these couplings did not have the two small springs (5).

The latest coupling is the type shown in Illust. 113 and has a missing speed of approximately 150 R.P.M. New couplings are used on magneto Serial No. H4-7635 and up. The new coupling has weighted pawls (1) and stainless steel coil springs (5). To secure good impulse coupling performance, it is necessary that the springs be in good condition and they should be replaced if worn or broken.

Explanation of H-4 Magneto Markings (Chart - page 55)

Serial Number

The serial number on the magneto frame will identify the magneto and give all necessary information about it by referring to the magneto chart. NOTE: A few of the first production 49094-D magnetos were issued with "XDH4-000000" on the ser-