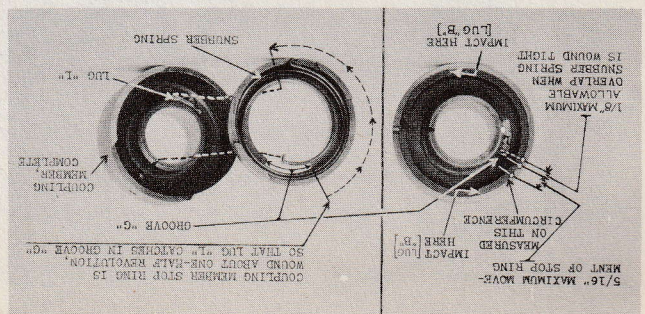


# INTERNATIONAL E4A TYPE IMPULSE COUPLING



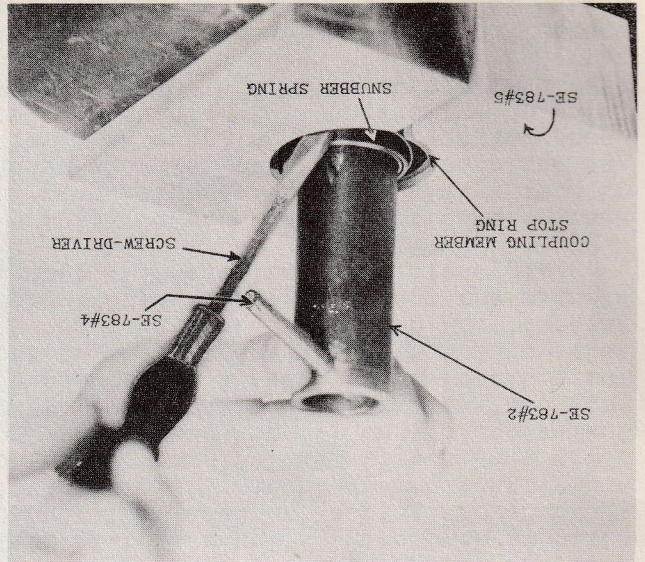
ILLUST. 53--COUPLING MEMBER UNIT. NOTE THAT SNUBBER SPRING IS WOUND THROUGH ABOUT ONE-HALF REVOLUTION.

the snubber spring felt in Illust. 58. Too much overlap will result in excessive coupling oscillation (or vibration) which may cause irregular impinging at slow speeds. Overlap must be checked as follows:

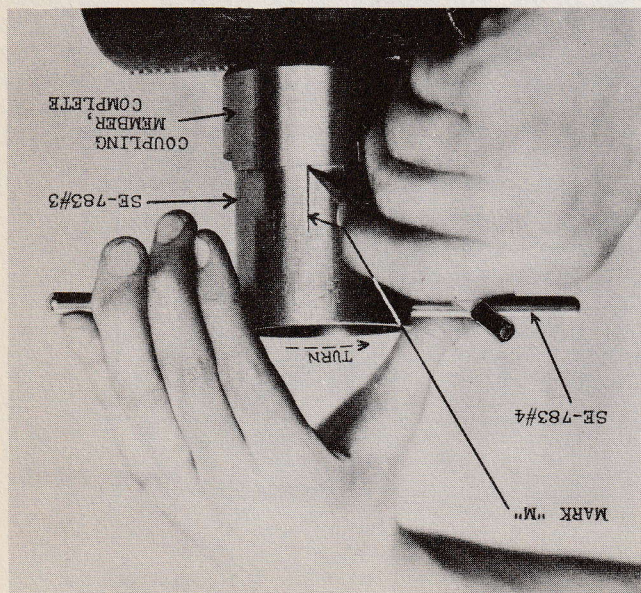
- (a) Assemble the coupling member stop ring, without the snubber ring, so that lug "L" fits into groove "G", Illust. 53. Using winder SE-783 No. 3, turn the stop ring counterclockwise as far as it will go. (See Illust. 53). Note that there is a mark "M" (Illust. 57) on SE-783 No. 3. Using a pencil, extend a radial line from this mark cut across the edge of the coupling member. The pencil line must be plainly visible.

- (b) Remove coupling ring and assemble the snubber spring into it by reversing operation 8.

- (c) Bend a piece of heavy wire or solder into a loop as shown in Illust. 56 and place it inside the coupling member. The idea is to keep lug "L" from catching in groove "G", Illust. 53.



ILLUST. 54--REMOVING SNUBBER SPRING FROM COUPLING MEMBER STOP RING.

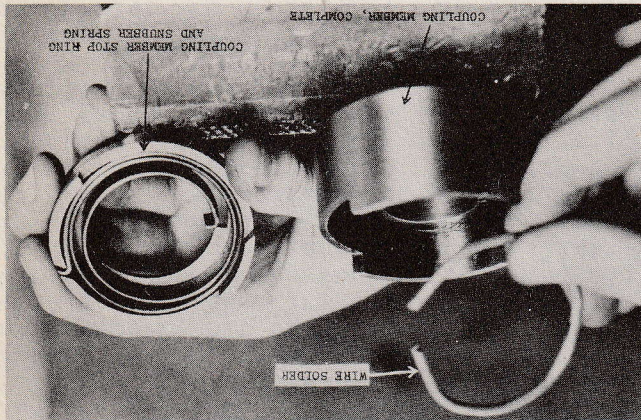


ILLUST. 55--DETERMINING SNUBBER SPRING OVERLAP.

- (d) Assemble the coupling stop ring with the snubber spring, into the coupling member. Again using SE-783 No. 3, start with mark "M", turned to the opposite side of the coupling from the pencil mark (Illust. 57), and wind the snubber spring counterclockwise until wrapped tight. Mark "M" on SE-783 No. 3 should then be 0 to 1/8" beyond the pencil line, in the direction that the winder was turned, measured as instructed in Illust. 57. If this measurement is within the specified limits, the snubber spring is of proper length and can be assembled without the use of felt.

When mark "M" fails to turn as far as the pencil mark, the spring is too short for the assembly being tested and must not be used. Assemble another spring and again check overlap.

When mark "M" turns beyond the 1/8" limit, remove snubber spring from coupling.



ILLUST. 56--DETERMINING SNUBBER SPRING OVERLAP.