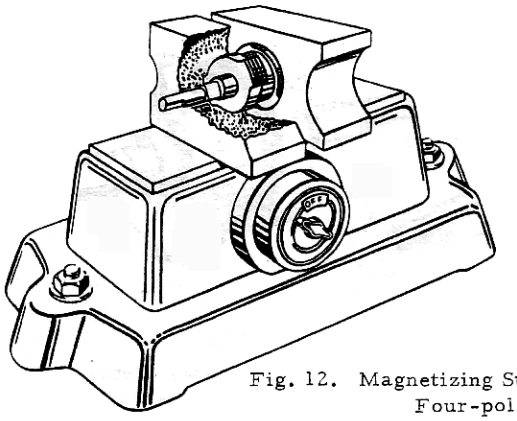

Fig. 12. Magnetizing Standard Four-pole Rotor

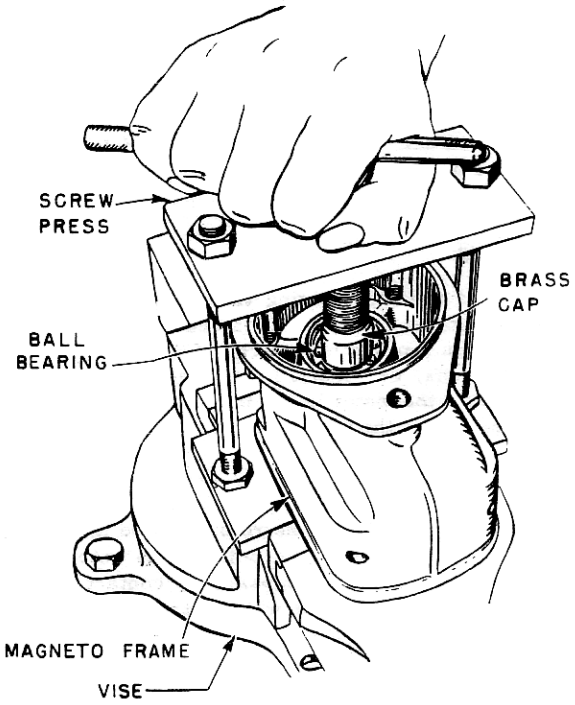

Fig. 13. Pressing Ball Bearing Out of Housing

taining ring are pressed out. The outer bearing race will remain in the housing and may be pressed out if desired. If the bearing is of the non-separable type, the outer race driver must be used with 370TD hand press to press the entire bearing out of the housing

Ball and Needle Bearings

Clean the grease out of the ball bearing, Fig. 14, and the needle bearings, Fig. 15, if used, by soaking them in a petroleum solvent, turning the bearing cage slowly to loosen the old lubricant. Then inspect the bearing carefully. Replace any bearings that are frozen or have broken balls, needles, or excessive axial play. Repack each bearing with FMC011 magneto bearing grease.

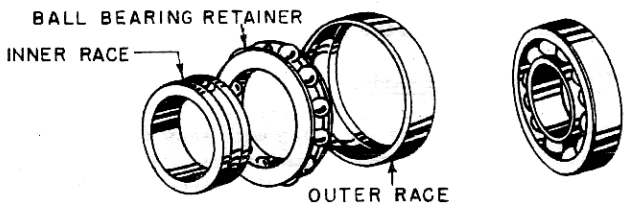

Fig. 14. Separable and Non-separable Ball Bearings

Sleeve Bearings

Oilite bearings, Fig. 16, found in serviceable condition during magneto overhaul may be replaced after soaking them in turbine oil. However, since these bearings are relatively inexpensive it is recommended that a new sleeve bearing be used when the magneto is reassembled.

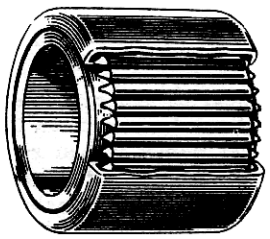

Fig. 15. Needle Bearing

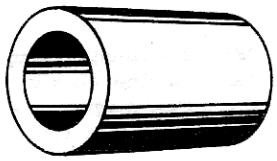

Fig. 16. Sleeve Bearing

Miscellaneous Parts

All other parts should be cleaned with a small, stiff brush moistened with a petroleum solvent. Inspect all castings and machined parts for chips, cracks, stripped or mutilated thread or other defects. Inspect all gears for chips, cracks, broken teeth; all bearing surfaces and keyways and all springs for bending, cracking or loss of tension. Replace any defective parts.

REASSEMBLY OF MAGNETO

If during the overhaul of the magneto the housing has been cleaned with any type solvent solution, be sure to remove any traces of the solution with water and finally remove any remaining water and foreign material with a

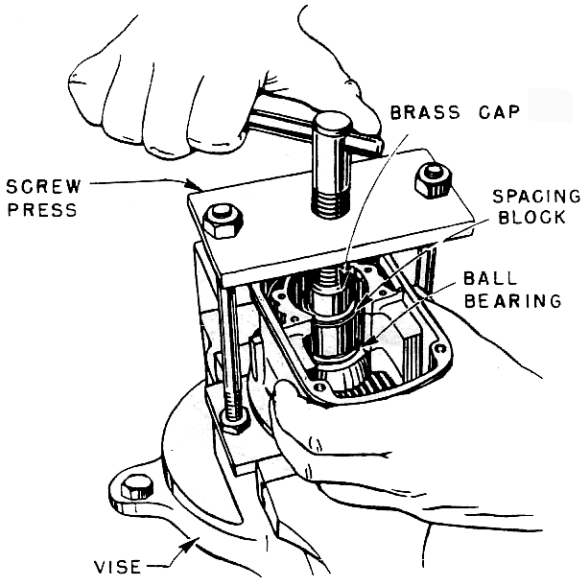

Fig. 17. Pressing Rotor Drive End Bearing into Housing