

DESCRIPTION AND MAINTENANCE INSTRUCTIONS

MAGNETOS UNIT MAINTENANCE

(This EO replaces EO 15-5A-2A dated 31 Aug 62)

- 1 No issues of magneto replacement spares other than block assemblies will be made to Units. Unit maintenance of magnetos is to be limited to items for inspection as detailed in the applicable -7A Engineering Order.
- 2 Unserviceable magnetos are to be replaced and returned to the overhaul contractor for functional test, inspection, and repair or overhaul. In this respect, units are not to dismantle the magneto to any degree in order that the overhaul contractor may receive the magneto in the same condition as when the unserviceability occurred.
- 3 Contractor's "Technical Inspection Reports" (L53) have indicated that magnetos received with new distributor blocks in lieu of associated blocks) have tested serviceable (Unsubstantiated Removal) in some instances. A distributor block can be a contributing factor in the ignition problem. To reduce the "Unsubstantiated Removals" of magnetos the Units shall remove and return the associated block or blocks with the "Unscheduled Removal" Scintilla model SB9RN and SF14LN-3 magnetos. This procedure will assist the contractors in conducting a comprehensive investigation and more decisively isolate the ignition problem.
- 4 Contractors have advised that Scintilla model SB9RN magnetos are being received from users for overhaul with mismatched sets of radio shields Part 10-70309Y Ref. 37A/8/2925-00-141-9393 and Part 10-70322Y Ref. 37A/8/2925-00-294-4066 resulting in unnecessary expenses. These radio shields are contour fitted and installed on the magneto at overhaul in matched sets to reduce radio interference. Frequently slight rework is necessary to fully mate the shields to the magneto. The contractors identify the matched sets by like code letters or numbers on the inner surface of the shields. The operators are to ensure that the subject radio shields halves are not interchanged as they are not interchangeable and must be removed from the ignition harness and returned with the unserviceable magneto to which they are fitted. Mismatched radio shields are a contributing factor in radio interference problems. The subject radio shields are being cancelled in CAP 10 as separate maintenance spares. Magnetos with damaged radio shields are to be returned complete for repair.

ISSUED ON AUTHORITY OF THE CHIEF OF THE AIR STAFF

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