

SERVICE INSTRUCTION: M20-37B
DATE: 2-25-87

SUBJECT: INDUCTION SYSTEM ALTERNATE AIR DOOR

**MODELS/
S/N EFFECTIVITY:** All M20E and M20F MODELS

**TIME OF
COMPLIANCE:** Within next 25 hours of operation.

INTRODUCTION:

There have been instances where the spring preload on the alternate air door was found to be set higher than factory specifications. It is therefore necessary that the alternate air door installation be inspected to assure that the required preload is in the 3 to 4 lb. range.

REV. A: Aircraft that have been in service for a long period of time should; should have the alternate air door checked at least 100 hour/annual inspection for proper preload. Check freedom of operation at each 25 hour inspections.

1. Remove the induction air filter and right side cowl.
2. Remove cotter pin from nut end of alternate air door bolt.
3. Fasten a loop of safety wire through hole in bolt and with a spring scale measure the force required to just start the alternate air door to open. This force should be within the 3 to 4 lb. limits.
4. If the force is not within these limits remove the bolt and add or delete AN960-416 or AN960-416L washers under the bolt head to obtain the required tension.
5. Replace all removed parts and make log book entry.

NOTE

CHECK SECURITY of seal to Induction Box Door. If necessary use (3M) EC1403 cement to secure seal to door.

