TM 1-1510-223-MTF

MAINTENANCE TEST FLIGHT MANUAL

ARMY MODEL RC-12N

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HEADQUARTERS
DEPARTMENT OF THE ARMY
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REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

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SECTION I. INTRODUCTION

1. Purpose. The purpose of this manual is to provide complete instructions for performing a maintenance test flight of RC-12N aircraft. For the specific conditions which require a general or limited maintenance test flight, refer to applicable FAR's and manufacturers' maintenance manuals.

2. Definitions.

a. Maintenance Test Flight. A functional test flight for which the primary purpose is to determine whether the airframe, powerplant, accessories, and other equipment are functioning in accordance with predetermined requirements while subjected to the intended environment.

b. Warnings, Cautions, and Notes. Warnings, cautions, and notes are used to emphasize important and critical instructions and are used for the following conditions:

An operating procedure, practice, etc., which, if not correctly followed, could result in personal injury or loss of life.

An operating procedure, practice, etc., which, if not strictly observed, will result in damage to or destruction of equipment.

NOTE

An operating procedure, condition, etc., which is essential to highlight.

3. General Information.

a. This manual covers only maintenance test flight of RC-12N aircraft and in no way supersedes any information contained in TM 1-1510-223-10 or -CL, but is to be used in conjunction with the -10 or -CL. Normal preflight and test procedures which are contained in the -10 or -CL may not be included. For the purpose of maintenance test flights only, this manual satisfies all the requirements of the -CL from Interior Check through Engine Shutdown.

b. Crew requirements are as specified in TM 1-1510-223-10.

4. Special Instructions.

a. Cargo and Passengers. Cargo and passengers are prohibited on maintenance test flights.

b. Forms and Records. Forms and records will be checked prior to the maintenance test flight to determine what maintenance has been performed and the type of maintenance test flight required (i.e., general or limited).

c. Configuration. The configuration of the aircraft should be determined prior to each maintenance test flight in order to determine performance parameters.

d. Post Test Flight Inspection. A thorough visual inspection will be performed to the extent necessary to ensure that deficiencies or short-comings that may have developed as a result of the maintenance test flight are detected.

e. References. When a maintenance test flight is required to ensure proper operation of a specific system(s), refer to the applicable maintenance manual for the limits of that system.