

OFFICE OF CIVILIAN DEFENSE  
WASHINGTON, D. C. .

CIVIL AIR PATROL

OPERATIONS DIRECTIVE)  
NO. 35)

NATIONAL HEADQUARTERS  
WASHINGTON, DECEMBER 2, 1942

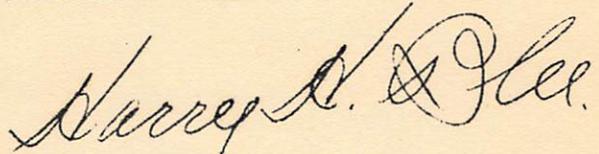
DAILY LINE INSPECTION OF AIRCRAFT  
CAP OPERATING BASES AND STATIONS

1. All aircraft on duty at CAP Operating Bases and Stations shall be given a thorough line inspection at least once each day on which said aircraft are in operation and, if practicable, before each flight mission. Said inspection shall cover all applicable items listed on the attached form "Report of Daily Line Inspection of Aircraft," which form shall be used in recording report of each such inspection.

2. Said reports shall be made in single copy and shall be retained in the Engineering Files of the Base or Station.

3. As soon as the printing of this form can be completed, copies will be supplied all Bases and Stations in pads of 100 copies each. In the meantime, each of said units will typewrite the forms as needed.

By direction of National Commander JOHNSON:



HARRY H. ELIE  
Colonel, Air Corps  
Operations Officer

Attachment

CIVIL AIR PATROL

No. \_\_\_\_\_  
(Name of Patrol or Station)

(Location) \_\_\_\_\_

(Date) \_\_\_\_\_

REPORT OF DAILY LINE INSPECTION OF AIRCRAFT

(NOTE: Complete line inspection as covered by this report shall be made of all aircraft in operation at the Base or Station at least once each day and, if practicable, before each flight mission. Check satisfactory items and give information on all irregularities.)

General Data

Make of aircraft \_\_\_\_\_ Model \_\_\_\_\_ NC No. \_\_\_\_\_

Make of engine \_\_\_\_\_ Model \_\_\_\_\_ H.P. \_\_\_\_\_

Owner \_\_\_\_\_ Time on aircraft since 25-hour check  
\_\_\_\_\_ ; Since 100-hour check \_\_\_\_\_ ; Since major overhaul \_\_\_\_\_

Time on engine since top overhaul \_\_\_\_\_ ; Since major overhaul \_\_\_\_\_

Line Inspection

A. Propeller

1. Inspect blades for cracks, nicks and pits \_\_\_\_\_
2. Inspect hub and attachments carefully \_\_\_\_\_
3. Check propeller for track \_\_\_\_\_

B. Engine

1. Inspect engine cowling for cracks and security \_\_\_\_\_
2. Inspect exhaust stack and ring for cracks and security \_\_\_\_\_
3. Check sparkplug terminals for tightness and cleanliness \_\_\_\_\_
4. Inspect accessible ignition wiring and harness for security \_\_\_\_\_
5. Check fuel and oil systems for leaks, vents, fit of caps \_\_\_\_\_
6. Check fuel and oil supply (do not rely on gauges) \_\_\_\_\_
7. Check all bolts and nuts on engine and mount \_\_\_\_\_
8. Check with propeller for compression on each cylinder \_\_\_\_\_
9. Check heater mufflers \_\_\_\_\_

C. Landing Gear

1. Inspect tires for defects and proper inflation \_\_\_\_\_
2. Inspect wheels for cracks and distortion, hub caps for security \_\_\_\_\_
3. Inspect strut retaining bolts and fittings for security \_\_\_\_\_
4. Inspect brace wires for tension and security \_\_\_\_\_

D. Wings

1. Inspect ribs for buckling, end bows and covering .....
2. Inspect attachments, fittings for security .....
3. Check struts and flying wires for security of terminal connections .....
4. Check aileron hinges, pins, horns and tabs .....
5. Inspect accessible control cable, tubes and pulleys for security .....

E. Control Surfaces

1. Check control surface hinges, pins, horns and tabs .....
2. Check stabilizer adjustment and assembly mechanism .....
3. Check tail wheel assembly for condition and lubrication .....

F. Fuselage

1. Inspect covering for damage and distortion .....
2. Inspect control column assembly and accessible parts of control system for freedom of movement and security of attachments .....
3. Check fire extinguisher and first aid kit .....
4. Check stabilizer for freedom of movement .....
5. Check proper operation of quick-release mechanisms of doors .....
6. Check proper operation of lighting system .....
7. Inspect safety-belts for security .....
8. Clean all windows .....

G. Radio

1. Inspect antenna and connections .....
2. Inspect battery and connections .....

H. Signal Lights

1. Check proper operation of signal lights .....
2. Check spare light globes .....

I. Armament

1. Inspect ordnance mounts, racks and release mechanisms .....
2. Inspect ordnance for proper installation and safety keys .....

J. Emergency Equipment

1. Check flotation gear .....
2. List and check other emergency equipment carried .....

K. Inspection completed at \_\_\_\_\_ (24 hr. clock) \_\_\_\_\_

Inspected by \_\_\_\_\_

Title \_\_\_\_\_

Approved for flight by \_\_\_\_\_

Title \_\_\_\_\_