

RESTRICTED

T. O. NO. 01-70A31

PILOT'S FLIGHT OPERATING INSTRUCTIONS

FOR

ARMY MODEL PT-17 AIRPLANES

This publication contains specific instructions for pilots and should be available for Transition Flying Training as contemplated in AAFReg. 50-16.

This publication shall not be carried in aircraft on combat missions or when there is a reasonable chance of its falling into the hands of the enemy.

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7. Engine Failure During Take-Off.

a. Throttle closed.

b. Ignition Switch "Off"

c. Put nose of airplane down and maintain a gliding speed of approximately 75 mph - STRAIGHT AHEAD - Do not attempt to turn back into the field.

8. Climb.

Initial rate of Climb:- 850 feet per minute on full throttle, at sea level, under standard conditions.

9. General Flying Characteristics.

a. Stability.- With normal loads the airplane is stable about all axis.

b. Longitudinal balance is maintained by the use of elevator trim tab.

10. Engine Failure During Flight.

a. Drop nose of airplane sufficiently to maintain glide of approximately 75 mph, indicated air speed--select most suitable area and land into the wind, if possible.

b. Ignition Switch - "Off"

c. Fuel - "Off"

11. Stalls

a. The airplane stalls at 55 mph with normal load.

b. The stall is symmetrical with either power on or power off.

12. Spins.

The spin characteristics of the airplane are normal.

13. Acrobatics.

Acrobatics with this airplane shall be restricted to those permissible with this type of airplane. Under no circumstances should the maximum allowable engine rpm be exceeded. Prohibited maneuvers are listed in Par. 18.

14. Diving.

Speed Limitation.-
Do not exceed a diving speed of 186 mph, indicated airspeed.

15. Approach, Landing and Cross-Wind.

a. Approach.- No unusual procedure need be followed during the approach for landing.

b. Cross-Wind Landing.- Avoid cross-wind landing whenever practicable. Exercise care to avoid ground loop.

c. Landing. - At conclusion of landing run, no unusual procedure need be followed before starting to taxi.

16. Stopping Engine.

a. Idle Engine to approximately 500 rpm.

b. Stop engine by using the "Idle Cut-Off" position, leaving the fuel valve on.

17. Before Leaving Pilot's Cockpit.

a. Fuel - "Off" position.

b. Ignition Switch - "Off" position.

c. Set Parking Brakes.

d. Lock Flight Controls.

18. Maneuvers Prohibited.

a. Inverted Flight.

b. Inverted Spins

c. Outside Loops.

d. Snap rolls, at more than 106 mph, indicated air speed.

e. Slow rolls, at more than 124 mph.

Do not exceed an indicated air speed of 186 mph.

NOTE: The baggage compartment of this airplane is of heavy duck designed to carry not more than sixty pounds. Objects carried which have sharp edges or corners should be wrapped to prevent piercing the fabric. All objects should be secured to the supporting structure. When baggage is carried avoid all acrobatics and violent maneuvers.