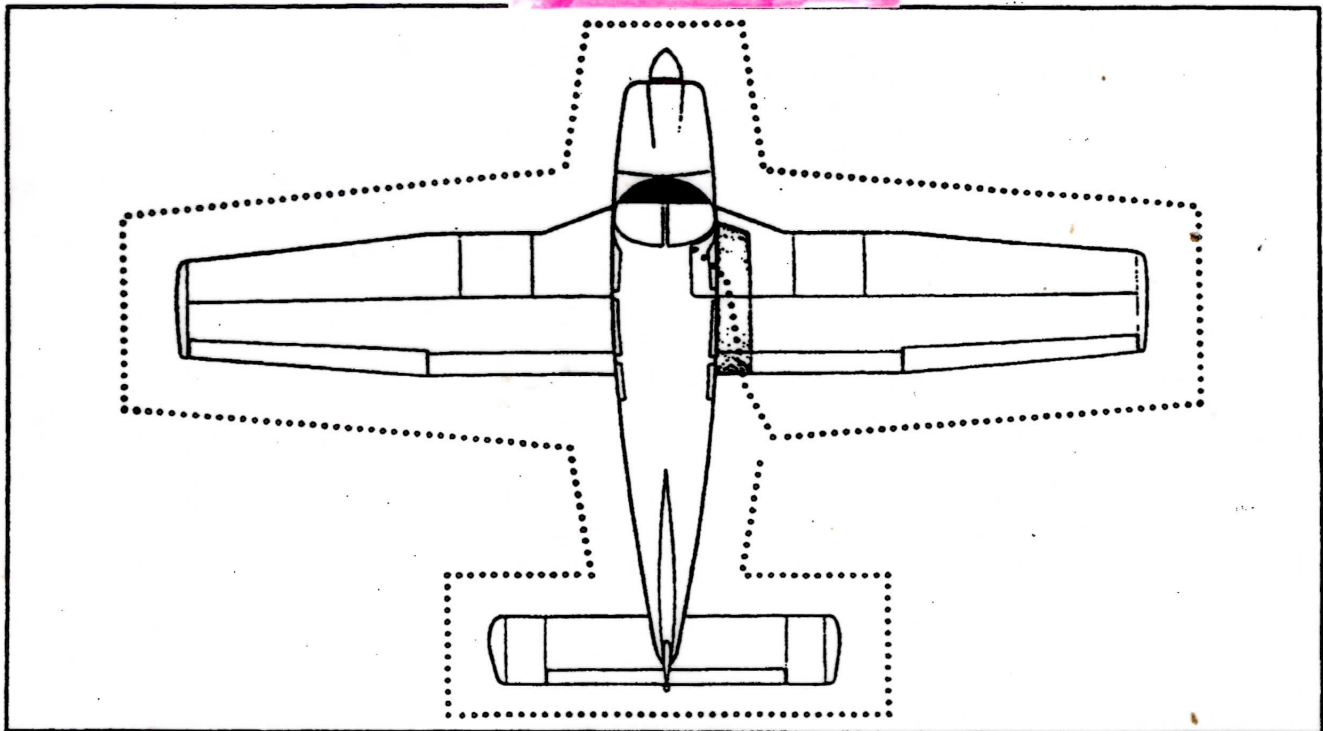


VH-Miz
Do Not Remove
From Aircraft



WALK-AROUND

Figure 4-1

4.5 NORMAL PROCEDURES CHECK LIST

PREFLIGHT

- Control wheelrelease belts
- Master switchON
- Fuel quantity gaugescheck
- Master switchOFF
- IgnitionOFF
- Exteriorcheck for damage
- Control surfacescheck for interference -
free of ice, snow, frost
- Hingescheck for interference
- Wingsfree of ice, snow, frost
- Stall warningcheck
- Navigation lightscheck
- Fuel tankscheck supply
visually - secure caps
- Fuel tank sumpsdrain and check
for water, sediment
and proper fuel
- Fuel ventsopen
- Main gear strutsproper
inflation (4.50 in.)
- Tirescheck

- Brake blockscheck
- Pitot headremove cover -
holes clear
- Windshieldclean
- Propeller and spinnercheck
- Fuel and oilcheck for leaks
- Oilcheck level
- Dipstickproperly seated
- Cowlingsecure
- Inspection coverssecure
- Nose wheel tirecheck
- Nose gear strutproper
inflation (3.25 in.)
- Air inletsclear
- Alternator beltcheck tension
- Tow bar and control locksstow
- Baggagestowed properly -
secure
- Baggage doorclose and secure
- Fuel strainerdrain
- Primary flight controlsproper operation
- Cabin doorclose and secure
- Required paperson board
- Seat belts and harnessfastened/adjust
check inertia reel

ISSUED: JUNE 18, 1976
REVISED: MARCH 30, 1984

REPORT: VB-790
4-3

**DO NOT REMOVE FROM
AIRCRAFT**

BEFORE STARTING ENGINE

Brakesset
Carburetor heatfull COLD
Fuel selectordesired tank

** CHECK ALL SIX (6) RADIOS OFF **

STARTING ENGINE WHEN COLD

Throttle1/4" open
Master switchON
Electric fuel pumpON
Mixturefull RICH
Starterengage
Throttleadjust
Oil pressurecheck

If engine does not start within 10 sec. prime and repeat starting procedure. *(x6)*

STARTING ENGINE WHEN HOT

Throttle1/2" open
Master switchON
Electric fuel pumpON
Mixturefull RICH
Starterengage
Throttleadjust
Oil pressurecheck

STARTING ENGINE WHEN FLOODED

Throttleopen full
Master switchON
Electric fuel pumpOFF
Mixtureidle cut-off
Starterengage
Mixtureadvance
Throttleretard
Oil pressurecheck

STARTING WITH EXTERNAL POWER SOURCE

Master switchOFF
All electrical equipmentOFF
Terminalsconnect
External power pluginsert in fuselage

Proceed with normal start

Throttlelowest possible RPM
External power plugdisconnect from fuselage
Master switchON - check ammeter
Oil pressurecheck

WARM-UP

Throttle800 to 1200 RPM

RADIOS ON

TAXIING

Chocksremoved
Taxi areaclear
Throttleapply slowly
Brakescheck
Steeringcheck

GROUND CHECK

FUEL *CHANGE TO TAKE OFF TANK*
Throttle2000 RPM
Magnetosmax. drop 175 RPM
-max. diff. 50 RPM
Vacuum5.0" Hg. ± .1
Oil tempcheck
Oil pressurecheck
Air conditionercheck
Annunciator panelpress-to-test
Carburetor heatcheck
Engine is warm for takeoff when throttle can be opened without engine faltering.
Electric fuel pumpOFF
Fuel pressurecheck
Throttleretard

VH-MIZ
Do Not Remove
From Aircraft

BEFORE TAKEOFF

Master switchON
Flight instrumentscheck
Fuel selectorproper tank
Electric fuel pumpON
Engine gaugescheck
Carburetor heatOFF
Seat backserect
Mixture *RICH* set
Primerlocked
Belts, harnessfastened/adjusted
Empty seatsseat belts snugly fastened
Flapsset
Trim tabset
Controlsfree
Doorslatched
Air conditioner *N/A OFF*

TAKEOFF

NORMAL

Flapsset
Tabset
Accelerate to 52 to 65 KIAS
Control wheelback pressure to rotate to climb attitude

SHORT FIELD. OBSTACLE CLEARANCE

Flaps25° (second notch)
Accelerate to 41 to 49 KIAS depending on aircraft weight
Control wheelback pressure to rotate to climb attitude
After breaking ground, accelerate to 45 to 54 KIAS depending on aircraft weight
Accelerate to best flaps up angle of climb speed - 64 KIAS, slowly retract the flaps and climb past the obstacle.
Accelerate to best flaps up rate of climb speed - 76 KIAS

SOFT FIELD

Flaps25° (second notch)
Accelerate to 41 to 49 KIAS depending on aircraft weight
Control wheelback pressure to rotate to climb attitude
After breaking ground, accelerate to 45 to 54 KIAS depending on aircraft weight
Accelerate to best flaps up rate of climb speed 76 KIAS
Flapsretract slowly

CLIMB

Best rate (flaps up)76 KIAS
Best angle (flaps up)64 KIAS
En route87 KIAS
Electric fuel pumpOFF at desired altitude

CRUISING

Reference performance charts and Avco-Lycoming Operator's Manual.
Normal max power75%
Powerset per power table
Mixtureadjust

DESCENT

Normal
Throttle2500 rpm
Airspeed126 KIAS
MixtureRich
Carburetor HeatOn if required

DESCENT

Power off
Carburetor HeatOn if required
ThrottleClosed
AirspeedAs required
MixtureAs required
PowerVerify with throttle every 30 seconds

APPROACH AND LANDING

Fuel selectorproper tank
Seat backserect
Belts/harnessfasten/adjust
Electric fuel pumpON
Mixtureset
Flapsset - 102 KIAS max
Air conditionerOFF
Trim to 75 KIAS
Final approach speed (flaps 40°)66 KIAS

STOPPING ENGINE

Flapsretract
Electric fuel pumpOFF
Air conditionerOFF
RadiosOFF
Throttlefull aft
Mixtureidle cut-off
MagnetosOFF
Master switchOFF

PARKING

Parking brakeset
Control wheelsecured with belts
Flapsfull up
Wheel chocksin place
Tie downssecure

VH-MIZ
Do Not Remove
From Aircraft