



## Cockpit

Documents - ARROW  
Tach - RECORD  
Control Stick - MOVES FREELY  
Fuel Strainer - PULL TO FLUSH

## Exterior

Engine Mount- INSPECT ATTACH POINTS  
Fuel Sump - FREE OF DEBRIS  
Inspect All - NUTS, BOLTS, COTTER PINS  
Ailerons - HINGE PINS  
Tail - HINGE PINS  
Main Gear - BOLTS , SAFETY TIED  
Tires - PROPER INFLATION  
Fabric - NOT TORN  
Propeller - CHECK FOR DAMAGE  
Oil - 4 Qts - CAP SECURED  
Fuel - CHECK ROD

## Before Start

**Safety Brief**  
Seat Belts - ON  
Brakes - SET  
Carb Heat - OFF  
Key - IN IGNITION

## Engine Start

Master Switch - ON  
Fuel Shutoff - IN  
Carb Heat - COLD  
Prime - 3x IF COLD  
Primer - LOCKED  
Throttle - OPEN 1/8th"  
Check Area - CLEAR PROP  
Starter - ENGAGE  
Throttle - 700 RPM  
Oil Pressure - CHECK

## Warm Up / Taxi

Throttle - 700 RPM  
Weather - OBTAIN  
Brake - CHECK  
Taxi Clearance - AS NEEDED/DIAGRAM  
Throttle - AS NEEDED

## Run Up

Brakes - HOLD  
Door/Windows - OPEN TO BE COOL  
Flight Controls - FREE AND CORRECT  
Trim - SET TAKEOFF  
Throttle - 1500 RPM  
Magneto - 75RPM DROP MAX  
Carb Heat - ON then OFF / CHECK RPM DROP

## Normal Takeoff/Climb

Carb Heat - COLD  
Throttle - FULL  
Elevator - ROTATE 39 MPH  
Climb - 55 MPH Vx - 60 MPH Vy

## Cruise

Pitch - LEVEL AT ALT  
Throttle - 2100 RPM  
Trim - AS NEEDED

## Before Landing

Seat Belts - ON  
Weather - OBTAIN  
Carb Heat - ON  
Trim - AS NEEDED  
Final Approach Speed - 50 - 60 MPH

## After Landing

Carb Heat - COLD  
Throttle - 700 RPM  
Trim - SET

## Shut Down

Brakes - HOLD  
Throttle - IDLE  
Magnetos - GROUND CHECK  
Oil Temp/Pressure - GREEN  
Magnetos - OFF/KEY OUT  
Tach - RECORD

## Engine Failure - Takeoff

Airspeed - Vg  
Best Place to Land - RUNWAY IF SUFFICIENT REMAINING  
Checklist - **Fuel Shutoff IN, CARB HEAT ON, PRIMER LOCKED**  
Declare Emergency - 7700, 121.5 IF ABLE  
Execute - POWER OFF LANDING

## Engine Failure - Airborne

Airspeed - 50-60 MPH  
Fuel Shutoff - IN  
Carb Heat - ON  
Primer - LOCKED  
**If power is regained - Carb Heat OFF, Land as soon as practical**

## Power Off Landing

Airspeed - 50-60 MPH  
Fuel Shutoff - OUT  
Magnetos - OFF  
Doors - Unlatch  
Master - OFF

## Fire - During Start

Starter - CONTINUE TO CRANK  
Throttle - FULL  
Fuel Shutoff - OUT  
**Abandon if fire continues crank engine**

## Fire - In Flight

Source - ELECTRICAL or ENGINE  
Master - OFF IF ELECTRICAL  
Fire Extinguisher - USE IF EQUIPED  
Land - AS SOON AS PRACTICAL

## Fire - In Flight Continued

Source - ENGINE  
Fuel Shutoff - OUT  
Airspeed - 100MPH  
Fire Extinguisher - USE IF EQUIPED  
Land - AS SOON AS PRACTICAL  
POWER OFF LANDING

## Engine Roughness

Carb Heat - ON  
If roughness continues after 1 min Carb Heat - OFF  
Engine Gauges - CHECK - First indication of engine failure LOW PRESSURE, HIGH TEMP  
Magnetos - CHECK LEFT, RIGHT, BOTH  
Land - AS SOON AS PRACTICAL, Prepare for POWER OFF LANDING

## Emergency General

### Squawk Codes

7500 - Hijacking  
7600 - Lost Comms  
7700 - Emergency

### Emergency Radio Calls

Frequency - 121.5 - **STAY WITH ATC IF ALREADY TALKING TO THEM**

MAYDAY - 3x ( Life Threatening )  
PAN - 3x (Non-Life Threatening )

### Frequencies Near KHFY

KGEZ - 122.8 **CTAF** - 121.55 ASOS  
KMQJ-122.975 **CTAF**-124.175AWOS  
KBAK - 118.6 **CT** - 119.75 AWOS  
INDY APP - 127.15 - 124.95  
KIND TOWER - 120.9

### V Speeds ALL MPH

VR- 39	VSO 1.3 - 49
VX- 55	VNO - 85
VY- 60	VNE- 122
VA- 1220LBS - 75	VG - 50-60
Vs1- 38	
Max Cross Wind - TBD	

### Fuel - Oil

Fuel Capacity - 12 Gal  
Oil - 4 Qrt MIN

### Check List Legend

Pre-Flight

Engine Checks

Normal Operations

Emergency