PROCEDURES PIPER PA-18

- **These procedures must be committed to memory before starting training. These are operational procedures to be used during appropriate times. These procedures must be committed to memory and must be known as quickly as you know 2 + 2 = 4.**

Before Leaving Dock or Beach
Where is the Wind?
What is the effect?
And Current?
Any Obstacles?
What is coming?

PAX BRIEFING
(See Amplified Procedures)

Before Starting Aircraft
Water Rudders - DOWN
Fuel - FULLEST TANK
Magnetos - ON
Mixture - RICH
Master - ON

Starting
Starter – Engage
Cold – 2 PUMPS while cranking
Hot – WAIT 6 REVS
-Do not exceed 800 RPM
Then – IDLE
Carb Heat – ON

* SEAT BELTS ON AFTER LEAVING BEACH OR DOCK.*

Run Up
Throttle – 1700 RPM
Magnetos – CHECK
(100 Max Drop)
Carburetor Heat – Check
Throttle – IDLE
Altimeter – SET (500' at Trail Lake)

Take Off
F uel - FULLEST TANK
F laps - SET
C arb Heat - OFF
A rea - CLEAR very important!
R Water Rudders - UP
S tick BACK
T hrottle - FULL

After Take Off
Positive Rate – FLAPS UP
Air Speed – 75 MPH
Power – 2500 RPM
Trim – SET

CRUISE
Pitch – LEVEL
Power – 2400 RPM
Trim – SET

Before Landing
Carburetor Heat - ON
Power - REDUCE
Flaps - BELOW 80 - ONE NOTCH
Fuel - FULLEST
Water Rudders - UP
Lake - INSPECT

After Landing
Touchdown - Shutdown
Let it Slide –Maintain Attitude
As Nose comes up – Stick Back
Rudder -Down
Flaps -Up

Land and Maintain the Step
Touchdown – Shutdown
Let it Slide – Maintain Attitude
Power Up
Stabilize
Flaps Up

Step Taxi
Fuel – FULLEST
Flaps – none
Carburetor Heat – COLD
Area – CLEAR very important!
Water Rudders – UP
Stick – BACK
Power – FULL
Over Hump Reduce – 1900 RPM
Tune for the Step - Attitude

Sailing
Water Rudders - UP
Stick in direction you want to go
Rudder Opposite

Shutdown
Mixture – IDLE CUT OFF
Master – OFF
Radio Master - Off
Magnetos – OFF

Emergencies

Engine Failure in Flight
SIMULTANEOUSLY!
PITCH DOWN, POINT TO TOUCHDOWN LOCATION
FUEL SWITCH
Mixture - RICH
Carburetor Heat – ON
Magnetos – CHECK
Primer – CHECKED LOCKED

Engine Fire in Flight
Fuel Selector – OFF
Mixture – IDLE CUT OFF
Heater – OFF
Slip away from flames

Electrical Fire in Flight
Master – OFF
Ventilate the cabin
If smoke stops, and there are no flames, land as soon as Practicable.
If smoke or flames continue,
Land Immediately

USE CARBURETOR HEAT ANYTIME INDICATION OF CARBURETOR ICING OR VISIBLE MOISTURE EXISTS.

STICK BACK AT ALL TIMES WHEN PROP IS TURNING TO PREVENT PROPELLER DAMAGE.

Updated 08/30/2014

PIPER PA-18

AIRSPEED LIMITS AND CAPACITIES

	FLOAT PLANE	TAIL WHEEL
MANEUVERING	94 MPH	96 MPH
MAX STRUCTURAL CRUISE	110 MPH	121 MPH
NEVER EXCEED SPEED	138 MPH	153 MPH
MAX FLAP EXTENSION SPEED	80 MPH	85 MPH
Vx	45 MPH (WITH FLAPS FULLY EXTENDED)	45 MPH
Vy	75 MPH	75 MPH
BEST GLIDE SPEED	70 MPH	70 MPH

MAX FUEL CAPACITY	36 GALLONS
MAX OIL CAPACITY	8 QUARTS
MINIMUM OIL CAPACITY	4 QUARTS

QUICK EMERGENCY CHECKLIST

GAS	SWITCH TANKS
MIXTURE	MIXTURE RICH, CARB HEAT ON, PRIMER CHECKED LOCKED
MAGNETOS	SWITCH MAGS TO DETERMINE IF ONE HAS FAILED
SWITCHES	ON A/C EQUIPPED WITH FUEL BOOST PUMPS

The student is expected to know these items.

Updated 08/30/2014