



# Pilots Check List

REPUBLIC AVIATION CORPORATION FARMINGDALE, N. Y.

## BEFORE STARTING ENGINE

Operate flight controls through complete range.  
Check propeller reversing lever locked.  
Ignition switch OFF, Battery switch ON.  
Check instruments and lights.  
Set trim tab.

## STARTING ENGINE

If engine has not been run recently, pull propeller through about six revolutions.  
Open throttle slightly beyond Idle.  
Mixture: FULL RICH, Carburetor heat: COLD, Propeller: HIGH RPM.  
In cold weather: if necessary, actuate accelerating pump 3 or 4 times.  
Check "all clear."  
Battery switch ON, Ignition switch BOTH.  
Engage starter.

**NOTE:** Do not operate starter for longer than 30 seconds at one time. Allow 1 minute cool-off before re-engaging.

## WARM-UP

Check for oil pressure.  
Use 900 RPM for several minutes, then 1200 RPM.  
Check instruments for operating ranges.  
Check propeller pitch-change operation.

## TAXI

Release parking brake.  
Tail wheel locked or swivel.  
Water rudder is operated by pedals.

**NOTE:** Be sure doors are closed if propeller is to be reversed.

## ENGINE RUN-UP

Propeller: Full low pitch.  
Check each magneto at 2000 RPM.  
Maximum permissible drop on either mag 150 RPM.

## TAKE-OFF (LAND)

Fasten all safety belts and check doors latched.  
Weave forward slowly and lock tail wheel on center.  
Advance throttle to FULL RPM.  
When airborne, retract gear.

## TAKE-OFF (WATER)

Fasten all safety belts and check doors latched.  
Check landing gear up and locked.  
Flaps: Down.  
Advance throttle to full RPM.

**CAUTION:** Do not dump flaps at less than 250 feet for airspeeds below 80

## CLIMB

Best climb at sea level is 75 IAS at 2500 RPM with flaps and gear up.

## CRUISE

Adjust trim tab for negative control forces.  
Propeller—Low RPM.  
Lean mixture within temperature limits.  
The following settings provide 75% power:  
25.8" Hg      25" Hg      24 1/2" Hg  
and 2200 RPM      and 2250 RPM      and 2300 RPM.

## PRIOR TO DESCENT

Mixture FULL RICH, Propeller HIGH RPM.  
If necessary: Carburetor HOT  
Maintain 70 to 80 IAS approach speed.  
Safety belts fastened.

## LANDING (LAND)

Gear DOWN: check warning light GREEN.  
Flaps DOWN.

## LANDING (WATER)

Gear UP: check warning light RED.  
Flaps DOWN.  
On glassy water, approach at 65 IAS with power on and allow airplane to settle.

## AFTER LANDING

Flaps: UP position.  
Unlock tail wheel swivel.

## STOPPING ENGINE

Operate engine at 800 RPM for a short time.  
Stop engine by pulling mixture control full out to idle cut off.  
When engine stops shut off ignition and battery

## EMERGENCY OPERATION

Landing gear failure: Landing gear handle UP position.  
Make flat, power-on approach and land on keel.  
Flap failure: Flight tests demonstrate the Seabee fully maneuverable with one flap fully extended.