

N20068 Checklist

(Preflight Complete)

BEFORE START below 50°F pre-heat 1hr.

A.R.R.O.W. Caps, Chocks & Doors

BRIEF PASSENGER:

Exit, Belts, No Smoking, Fire Extinguisher

BEFORE TAKEOFF - START

Avionics OFF, Circuit Breakers IN

Master ON, HOLD Brakes

COLD – Mixture rich, CLEAR PROP!

Start cranking + 2 shots of throttle, and back to idle. (Engine will fire in 4-6 turns. Release the key as soon as it fires. Throttle to 800 rpm's)

HOT – Mixture rich, CLEAR PROP!

Start cranking + 1 shot of throttle, and back to idle. (Engine will fire in 2-4 turns. Release the key as soon as it fires. Throttle to 800 rpm's)

AVIONICS ON ATIS & Clearance

(warm-up) LEAN for taxi

TAXI - Slowly (7-900rpm, min. braking) WATCH

wings/obstacles/jet blast

STOP to write, adjust radios/instruments

WIND – Turn into/dive away from

IFR- AI, DG, TC, Compass Check

RUN-UP - Mixture rich, 1,700rpm

OilPress/Amps/Vacuum/Mags/CarbHeat

IFR- Alt Static, Standby Vacuum

IDLE – DG/Nav/Comms/Squawk

Controls free, Flaps/Trim for take-off

TAKE OFF

- TAXI position
- Function Timer starts on lift-off
- Check DG for runway heading
- Smooth wide-open throttle
- Oil-pressure/Airspeed
- Weight off nose
- Rotate @ 65mph
- Trim 80-90mph, then 500 fpm
- Climb to 500'AGL before turn

CRUISE CLIMB - Throttle back to

22-2300 @ 90mph *hear engine change*

CRUISE - At 22-2300rpm

Lean OUT/EGT to redline

N20068 will cruise at 115mph

LOW CRUISE - At 19-2000rpm

Lean OUT/EGT to redline

(rough or hot, Lean IN)

N20068 will low-cruise at 95mph

ENGINE-OUT EMERGENCY

BEST GLIDE – 75mph

ASSURE Landing Location

CHECK Fuel and Mags

Emergency Check List (if time)

ROUGH AIR - Va 100 mph, any weight

BEFORE LANDING enter pattern at 1,000 AGL, see and be seen, communicate

DOWNWIND 1,900rpm, 10° Flaps

= 90mph

ABEAM touch-down-point

Pre-landing checklist

- Carb Heat
- 1,500 rpm, descend 500fpm
- Mixture Rich
- Flaps Set
- Fuel on Both

BASE 80-90 mph, 500fpm, 10°-20° flaps

FINAL RPM/throttle as needed

75-85 mph, settle into ground effect

Slip as needed, norm land 10°-20° flaps

Short/Soft Field 30° (40° PROHIBITED)

GROUND EFFECT Throttle as needed,

(Try 1,500rpm) hold wheels off a few inches @ 65mph

(*V_{so} is 46mph x 1.3 = 60mph*)

Touch-down < 65 mph

GO AROUND - SMOOTH full-throttle

Positive rate of climb, CarbHeat IN, mixture RICH, trim 80-90mph

Flaps - incremental to zero

(10° is OK if staying in the pattern)

AFTER LANDING – Flaps UP, Aerodynamic braking, ailerons for

wind

CLEAR RUNWAY and STOP

Carb-heat OFF, LEAN for taxi

Clearance?

STOPPING ENGINE – Avionics OFF, Lights OFF (Beacon/Nav lights ON),

P-Lead Check @idle, key off-then-on

Mixture PULL slowly, then OFF

Ignition OFF (remove key), Master OFF

SECURE - Control Lock, Pitot Cover, Windshield cover, Chocks,

Tie-downs