

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, Master ON

COLD – Mixture rich, add 1 full prime, throttle $\frac{1}{8}$ ", crank (release first fire)

HOT – Mixture rich, no prime, throttle open $\frac{1}{8}$ ", crank

HOT or COLD – If it fails to start within 5 seconds, pump throttle thus - Cranking: 1 stop at $\frac{1}{8}$ ", 2 stop at $\frac{1}{8}$ ", 3 stop at $\frac{1}{8}$ "

FLOODED – Wide open throttle for five minutes. With throttle still open, crank three turns, then normal HOT start

COLD - warmup 10 min. 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- *Al, DG, Compass, Turn-Coordinator*

RUN-UP - Mixture rich, 1,700rpm

OilPress/Mags/CarbHeat/Amps/Vacuum

IFR- *Alt Static, Standby Vacuum*

IDLE – Nav/Comm, Controls free,

Check Flaps and Trim for take-off

TAKE OFF

- o Mixture rich/Start timer
- o TAXI position
- o DG set for runway heading
- o Smooth wide-open throttle
- o Oil-pressure/Airspeed
- o Weight off nose
- o Rotate @ 65mph
- o Trim for 80-90mph
- o Climb to 500'AGL before turn

CRUISE CLIMB - Throttle back to

22-2300 @ 90mph *hear engine change*

CRUISE - At 22-2300rpm/lean-EGT peak (little-rough) then rich until smooth, (5-6 twists in). 20068 will cruise at 115mph

ENGINE-OUT EMERGENCY

BEST GLIDE – 75mph

ASSURE Landing Location

Fuel and Mags on BOTH

Emergency Check List (if time)

ROUGH AIR - Va 100 mph, any weight

BEFORE LANDING (the pattern)

DOWNWIND – 1,850rpm, 90mph, 10°

ABEAM touch-down-point **G.u.M.p.S**

G Gas selected, Carb heat, 1,500rpm

u

M Mixture rich

p

S Speed 90mph, 500fpm, 10° flaps

BASE - 80mph, 500fpm, 20° flaps

FINAL RPM/throttle as needed

Slow to 70mph, settle into ground effect

Slip as needed - norm landing 20° flaps

Short/Soft Field 30° (40° PROHIBITED)

GROUND EFFECT Throttle as needed,

(Try 1,500rpm) hold wheels off a few

inches @ 60mph

(*Vso is 46mph x 1.3 = 60mph*)

Touch-down < 60 mph

GO AROUND - Carb heat OFF, mixture

RICH, SMOOTH full-throttle

Positive rate of climb, trim 80-90mph

Flaps - incremental to zero

(10° is OK if staying in the pattern)

AFTER LANDING – Flaps UP,

Carb-heat OFF, LEAN for taxi

STOPPING ENGINE – Avionics OFF,

Lights OFF (Beacon/Nav lights ON),

P-Lead Check - Ignition off-then-on,

Mixture PULL slowly, then OFF

Ignition OFF, Master OFF

SECURE - Control Lock, Pitot Cover,

Windshield cover, Chocks, Tie-downs