

BEFORE START-UP *after outside inspection*

1. Chk documents, note "tacho"
2. First aid kit, Fire Ext., Lifevests ... chkd
3. Bagage and tow bar ... stowed
4. Rudder pedals ... adjust / check
5. Rear door ... Closed, Latched & *unlocked*
6. Front canopy ... Closed position 1 or 2
7. Seat belts ... Fastened

Flow checks:

8. Hobbs ... chk vs logbook
9. Trim ... set neutral
10. Emg. Fuel Valve ... Normal (Do NOT move!)
11. Power Level ... Idle
12. Parking Brake ... Set
13. Altn Air (Engine) ... OFF
14. Altn Static Air ... right / OFF
15. Circuit breakers ... chk
16. All 8 rocker switches ... OFF
17. Engine Master ... OFF
18. ECU SWAP ... AUTO
19. Internal lights ... OFF x 2.

START ENGINE

1. Electric Master ... Key ON
2. Fuel temps & quantities... chk
3. Annunciator panel ... chk & reset
4. Strobe Light ... ON
5. Position Lights ... as rqrd
6. Engine Master ... ON (wait for GLOW off)
7. PROP CLEAR ... START & hold till 500 rpm
8. RPM ... 890 +/- 20 *Idle for 2 minutes if cold*
9. Oil Pressure ... out of red in 3 secs
10. Avionics Master ... ON
11. QNH ... Set x 2 (ATIS)
12. Suction ... 5 "
13. DI heading ... set

TAXI *max 1400 rpm until green temps*

14. Brakes ... chk
15. Turning checks: instruments
16. Heading = Track = Compass ... chk.

RUN-UP *roll/dist = 330/640m*

1. Electric Master ... Check Key ON
2. Lights ... as rqrd (ext., int. & instr.)
3. Rear + Front door ... clsd & No Warning
4. Flight controls ... check
5. Trim ... chk & set
6. Flaps ... chk & **set Take-Off position**
7. ECU Swap ... ECU B; then back to AUTO
8. ECU TEST ... hold & complete (idle)
9. Transfer Pump ... chk; OFF
10. Squawk, Nav, AP, bugs ... set
11. Oil & Coolant temps ... chkd in green
12. Full PWR checks: %PWR - RPM - Eng instr.
13. Departure briefing.

LINE-UP *Vr = 59 KIAS Vy = 66 K*

1. Landing light ... ON
2. Pitot heat ... ON if required
3. Runway Heading ... Chk.

CLIMB

1. Landing Light OFF ... as req
2. Transponder ... chk mode ALT
3. Flaps ... UP (then Vy = 73 KT)
4. Altimeters ... QNH or 1013.

CRUISE

1. Altimeters ... chk
2. Power lever ... max 70%
3. Transfer pump ... as rqrd – **then OFF.**
Max 9 gals fuel imbalance left/right

DESCENT / LANDING *roll/dist 290/740m*

500fpm: 70%-140K-5NM/1T'; 30%-100K-3NM/1T'

1. Fuel transfer ... on as rqrd
2. Seat belts ... fastened
3. ATIS / arrival WX ... chk
4. Altimeters ... set QNH x 2
5. Approach briefing
6. Landing Lights ... ON
7. Transfer Pump ... chk Off
8. Brakes ... pressure chk & OFF.

Vref 71KIAS DO NOT OVERSPEED FLAPS!

AFTER LANDING

1. Pitot Heat ... Off
2. Ext Lights ... As Req
3. Flaps ... UP.

PARKING

4. Parking Brake ... Set As Req
5. Throttle ... IDLE
6. Engine cooling timing ... start 2 min
7. Avionics Master ... OFF
8. Switches ... OFF except Strobe
9. Engine Master ... OFF *after 2 minutes*
10. Strobes ... OFF
11. Electric Master ... Key OFF
12. Interior PIC Light ... OFF
13. Parking Brake ... Released As Required
14. Controls ... Strapped As Required
15. Fuel caps... locked if unsecured parking