BEFORE ENGINE START

Familiarise with HANDBOOK first!
Preflight Inspection COMPLETED
According to Handbook, Cpt. 4.3
Rudder Pedal Position SET
Seat belts TIGHTEN
Flight ControlsCHECKED
Canopy LOCKED
Parking Break SET
Apply pressure and set, then 'pump'.
For usage of external Power,
see notes in Handbook Cpt. 4.4.2

ENGINE START

Circuit Breakers
Wait for boot sequence.
Check FUEL QTY!
Conf. amber "BACKUP BATT" msg.
Conf. CO value 255 ppm, then decr.
Master Switch
MFD
Conf. amber "BACKUP BATT" msg.
CAS message OFF
Note down Total Hours from MFD!
Backup Battery OFF
GEN A/B ON
Voltage M MIN. 12 V
(Batt/Alt-C Bus)
Fuel Selector MORE EMPTY TANK
Propeller Control FINE
Fully forward
Throttle
Strobe Light
LANE A / LANE B ON
Main Fuel Pump ON
- Continues next column!
- Continues next column:

CONTINUE: ENGINE START

CONTINUE: ENGINE START
Start Power ON (HOLD!)
LANE A/B Lamps:
wait till lamps turn OFF
MFD Engine Indication CHECKED
ightarrow active and correct
ightarrow Fuel Pressure in Limits
Throttle Lever:
Coolant/Oil Tmp. <10 °C ≥ 55 %
Coolant/Oil Tmp. >10 °C ca. 45 %
% as indicated as "T" on MFD.
See HINT and Start Performance Chart
in Handbook Cpt. 4.4.3 on P. 4-8!
ENGINE START:
Hold "Start Power", THEN press "START"
until Engine fires. Then release
Start-Button and "Start Power".
Throttle 2000 RPM
Oil Pressure CHECKED
LANE A/B Indicator Lamps OFF
Both LANE SWITCHES remain ON!
Only the Indicator Lamps should go out.
Throttle2500 RPM FOR 10 SEC
To engage/sync generators.
Then back to 2000 RPM
Voltage M / Voltage B 13.4 / 14.0 V

AFTER ENGINE START

Avionics	
Increasing, nom. 13.8 V	
EFISON	
EFIS Power Source CHECKED	
Verify NOT on internal Battery	
Baro PFD + MFD SET	
StbyEFIS, GTN are synced. MFD isn't!	

BEFORE TAXIING

Nav Light (at night) AS REQUIRED Landing-/Taxi-Light ON A/C moving: Lights on!
PFD, stby EFIS, MFD CHECKED ADHRS stabilised

TAXIING

ENGINE RUN UP

Parking Brake SET Landing-/Taxi-Light . . . AS REQUIRED A/C standing still: Lights off! **Engine Warm-Up:** \mid 2500 RPM until oil temp > 50 °C. Propeller Control FINE Fully forward **Pump and Fuel Supply Check** Throttle: 3000 RPM AUX Pump: ON, pressuere in limits AUX Pump Light: ON Main Fuel Pump: OFF Pressure still in limits: CHECKED Main Fuel Pump: ON Fuel Tank SIDES SWITCHED Fuel Pressure CHECKED Fuel Tank......FULLEST TANK - Continues next column!

CONTINUE: ENGINE RUN UP

Throttle: set to 2500 RPM

LANE Checks

LANE A Switch: OFF
Max. vary ±250 RPM (aft. 15 sec.)
Check Engine Params in Limits!
LANE A Switch: ON (wait 3 sec.)

LANE B Switch: OFF

Max. vary ±250 RPM (aft. 15 sec.) Check Engine Params in Limits! LANE B Switch: ON (wait 3 sec.)

Propeller Check

Throttle: set to 4000 RPM
Propeller Control: CHECKED
Cycle 3 times. Move lever SLOWLY
backwards, but fast forward.
Throttle IDLE CHECK
Trhottle SET 3000 RPM

BEFORE TAKE-OFF

Last
InstrumentsCHECKED
Pitot-Heat AS REQUIRED
Flight Controls CHECKED
Cockpit Canopy CLOSED & LOCKED
Seat BeltsTIGHTENED
AEPS System UNLOCKED
Store pin in middle compartment!
Engine Instruments CHECKED
Autopilot
Autopilot Switch: ON
Engage, for each test
Check if AP can be overpowered!

Check if AP can be overpowered!
Check AP Disconnect by:
Any Trim input, AP-Disc. button.
Autopilot Switch OFF
Autopilot Panel LEDs ALL OFF
Trim T/O POSITION
Flaps AS REQUIRED
Flaps 0 recommended.
Flaps 1 also possible - See AFM!

TAKE-OFF

IAKL-UI I
Landing-/Taxi-Light ON Brakes RELEASED Propeller Control FULL FORWARD When lined-up:
Throttle FULL POWER
Engine Instruments:
RPM: min. 5700, max. 5800
Manifold Pressure: within LIMITS
Manifold Temp: Below 65 °C
Airspeed Indication COMES ALIVE
TAKE-OFF SPEEDS
Nosewheel Unstick 50 KIAS
Lift-Off 60 KIAS
Initial Climb 70 KIAS
Flaps retract75 KIAS
Not below 150 ft AGL!
Climb

CRUISE

Fuel Selector

PWR	RPM	MAP
100 %	5500 RPM	40.5 inHg
75 %	5000 RPM	33.0 inHg
59 %	4500 RPM	25.5 inHg

CLIMB

Climbing Speeds

 v_y best ROC 78 KIAS v_x best AOC 63 KIAS

Throttle FULL FORWARD

Prop Control

Set Engine Speed max. 5800 RPM for 5 min max. continuous 5500 RPM

DECENT

BEFORE LANDING

Seat Belt
Speed ≤ 83 KIAS
Flaps FLAPS 1
Trim AS REQUIRED
Landing Light ON
AUX PumpON
Final Approach
FlapsFLAPS 2
Speed 65 KIAS
TrimAS REQUIRED
Propeller Control FINE
Fully forward
Throttle SET
Approx. 7 inHG,
1
Maint. RPM > 2600

BALKED LANDING / GO-AROUND

Throttle	FULL FORWARD
Speed	70 KIAS
Flaps	FLAPS 1
Trim	ADJUSTED
Climb	\dots V_Y 78 KIAS
Follow T/O Procedure	ρς

LANDING

Throttle	CLOSED
Touch-down	MAIN WHEELS
Brakes	AS NEEDED
Flaps	RETRACT

AFTER LANDING

Flaps RETRACTED Engine Speed SET
Taxi with walking speed!
Landing-/Taxi-Light
Pitot Heat OFF
AUX Fuel PumpOFF

SHUTDOWN

SHUIDUWN
$\begin{array}{llllllllllllllllllllllllllllllllllll$
Use timer in PFD or MFD!
Note down Total Hours from MFD!
Lane AOFF
after 2 sec, LAMP: CHECKED ON
Lane BOFF
Engine will STOP!
Main Fuel PumpOFF
GEN A/B OFF
AvionicsOFF
EFIS OFF
Strobes OFF
Master OFF
AEPS Locking Pin INSERTED
Parking BrakeAS REQUIRED
All switches are OFFCHECKED
All switches die off checkeb
Parking and tie-down:
All Lane & Master Switches OFF
Parking Brake SET
For short time parking only,
for long time, use chocks!
Tot long time, use thocks:

Canopy CLOSED & LOCKED

AIRCRAFT SECURED!