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 CLOSED
Strobe LightON
LANE A / LANE B ON
Main Fuel Pump
- Continues next column!

CONTINUE: ENGINE START

AFTER ENGINE START

BEFORE TAXIING

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

TAXIING

Keep RPM < 2500, taxiing with walking speed! Check BRAKES & STEERING! Ground Control CHECKED Brakes CHECKED Indications CHECKED Attitude/direction: PFD, MFD, stby EFIS

ENGINE RUN UP

Parking Brake
Landing-/Taxi-Light AS REQUIRED
A/C standing still: Lights off!
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
Mail Fuel Pump: ON
Fuel Tank SIDES SWITCHED
Fuel Pressure CHECKED
Fuel TankFULLEST TANK
Continues next column!

CONTINUE: ENGINE RUN UP

LANE Checks

Throttle: set to 2500 RPM LANF A: OFF

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

LANF B: OFF

Max. vary ± 250 RPM (aft. 15 sec.) Check Engine Params in Limits!

LANE B: 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

Instruments	CHECKED
Pitot-Heat	. AS REQUIRED
Flight Controls	CHECKED
Cockpit CanopyCLC	SED & LOCKED
Seat Belts	
AEPS System	UNLOCKED
Store pin in middle com	partment!
Engine Instruments	CHECKED
Flaps	FLAPS 1
Autopilot	

Autopilot Switch: ON

Engage, for each test Check if AP can be overpowered! Check AP Disconnect by: Any Trim input, AP-Disc. button.

Trim.....T/O POSITION Autopilot Switch OFF Autopilot Panel LEDs ALL OFF

TAKE-OFF

IARE-UFF	
Landing-/Taxi-Light	ED RD
	LK
Engine Instruments:	
RPM: min. 5700, max. 5800	
Manifold Pressure: within LIMIT	S
Manifold Temp: Below 65°C	
Airspeed Indication COMES ALI	٧E
TAKE-OFF SPEEDS	
Nosewheel Unstick 50 KI	AS
Lift-0ff 60 KI	AS
Initial Climb 70 KI	AS
Flaps retract	AS
Not below 150 ft AGL!	
Climb V_Y 78 KI	AS

CRUISE

Fuel Selector

PWR	RPM	MAP
	5500 RPM	40.5 inHg
75 %	5000 RPM	33.0 inHg

4500 RPM

25.5 inHg

CLIMB

Climbing Speeds

 \mathbf{v}_y best ROC 78 KIAS \mathbf{v}_x best AOC 63 KIAS

Throttle FULL FORWARD

Prop Control

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

DECENT

59 %

BEFORE LANDING

Seat Belt
Flaps FLAPS 1
TrimAS REQUIRED
Landing Light
AUX PumpON
Final Approach
FlapsFLAPS 2
Speed 65 KIAS
TrimAS REQUIRED
Prop Control FINE (FORWARD)
Throttle SET
Approx. 7 inHG,
Maint. RPM > 2600

BALKED LANDING / GO-AROUND

ThrottleFULL FORWARD	
Speed 70 KIAS	
Flaps FLAPS 1	
TrimADJUSTED	
Climb V_Y 78 KIAS	
Follow T/O Procedures	

LANDING

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

AFTER LANDING

FlapsRETRACTED Engine SpeedSET
Taxi with walking speed!
Landing-/Taxi-Light 0N
Pitot Heat OFF
AUX Fuel PumpOFF

SHUTDOWN

Parking Brake
Main Fuel PumpOFF
Avionics0FF
EFIS OFF
GEN A/B OFF Master OFF
AEPS Locking Pin INSERTED
Parking BrakeAS REQUIRED
. ag braker i i i i i i i i i i i i i i i i i i i

PARKING AND TIE-DOWN

LANE Switches Checked ALL OFF Master Switch Checked OFF
Parking Brake SET
For short time parking only,
For short time parking only, for long time, use chocks!
Canopy CLOSED & LOCKED
Aircraft SECURED