Normal Checklist

COCKPIT

Pre-Flight Inspection
Papers
Seat Belts
Cabin Doors
Carb Heat
Circuit Breakers
Brakes

COMPLETED
ABOARD
FASTENED
CLOSED/CKD
OFF
CHECKED
SET

AFIER START	
Avionic Master	ON
Gyro	SET
Transponder	GND / STBY
Trim	NEUTRAL
Flight Controls	CHECKED
Flaps	CHECKED max. 10°

Flaps UP Landing LT OFF Altimeter QNH / FL

AFTER LANDING Carb Heat OFF Flaps UP Transponder GND/STBY Trim RESET Mixture LEAN Landing LT OFF

BEFORE START ENGINE

Hobbs/Tach Time **RECORD** Battery / Alternator ON Avionic Master ON ATIS / Wx CHECKED **SET QNH** Altimeter OFF Avionic Master Fuel Selector ON **Fuel Quantity** CHECKED Anti-Collision LT ON RICH Mixture

TAXI		
Brakes Flight Instruments	CHECKED CHECKED	

(CRUISE
Power	SET
Mixture	LEAN

CLIMB

> 3000 ft

Mixture LEAN

Parking Brake SET Avionic Master OFF Throttle 1000 RPM Mixture CUT OFF Magnetos OFF

STARTING ENGINE CHECKED 3mm

Throttle CHECKED 3m
Primer 2 - 3 strokes
Prop Area CLEAR
Engine>START
Throttle 1000 RPM
Oil Pressure CHECKED
Amperemeter CHECKED
Mixture LEAN

ENGINE RUN-UP	
Parking Brake Throttle Magnetos Carb Heat Engine Instruments Suction Amperemeter Throttle	SET 1700 RPM CHECKED 125 / 50 CHECKED CHECKED CHECKED CHECKED CHECKED IDLE, then 1000RPM

	,
BEFORI	E TAKE OFF
Engine Run up	COMPLETED
Com/Nav-Setting	COMPLETED
DEP/EMER-Brief	COMPLETED
Transponder	ALT, Squawk 7000

RICH

ON CHECKED

Mixture

Gyro

Landing LT

APPROACH	
ATIS/ WX	CHECKED
Altimeter	QNH
Appr Briefing	COMPL.
Gyro	CHECKED
Landing LT	if rqd
Carb Heat	if rqd

PARKING	
All Sws	OFF
Battery /Alt	OFF
Hobbs/Tach T.	RECORD
Control Lock	IN
Seat Belts	SECURE
Tie Down	if rqd
Brakes	if rqd

FINAL		FINAL
	Flaps Mixture	SET
	Mixture	RICH
	Carb Heat	ON
	Landing LT	ON

Robert Scudlik / V2 / 05.09.2013

Speed Restriction		
KIAS (MTOW =		
V _{S1(30°)} Aft CG	31	
V _{S1(10°)} Aft CG	36	
V _{S0(0°)} Aft CG	36	
V _{S1(30°)} Fwd CG	35	
V _{S1(10°) Fwd CG}	40	
V _{S0(0°)} Fwd CG	40	
V _{FE}	85	
V _{A (758 kg)}	104	
V _{A (680 kg)}	98	
V _{A (612 kg)}	93	
V _{NO} V _{NE}	111 149	
V _{max crosswind take off}	12	
V _{max crosswind landing}	12	

	Best Glide
	KIAS
V _{glide Flaps 0°}	60

Take off & Climb		
KIAS	KIAS	
Rotate	50	
Normal Climb	65 - 75	
Enroute Climb	70 - 80	
V _{X 10°} Flaps	54	
V _{YSL}	67	
V _{Y @ 5.000 ft}	64	
V _{Y @ 10.000 ft}	61	
Short Field		
V _{X 10° Flaps}	54	

ENGINE	
RPM	
100 %	2280 2380

INFO AOM

Approach & Landing	
KIAS	
V _{appr 0° Flaps}	60 - 70
V _{appr Flaps extendet}	55 - 65
V _{appr Flaps 40° short field}	54

Training V _{appr}	70 KIAS
	RPM
Level flight to FAF	ca. 2200
(flaps up)	
ILS prec. decent	ca. 1500
(flaps 10°)	(500 fpm)
Non prec. Decent	ca.1300
(flaps 10°)	(700 fpm)
Circle to land	ca. 2000
(flaps 10°)	

Weigt&Balance Information	
Gross W. T/O-LDG	758,00 kg
Empty Weight (2012)	550,80 kg
Useful Load	207,20 kg
Payload (fuel 93 L)	140,24 kg
max. Baggage	54,00 kg

Robert Scudlik / V2 / 05.09.2013

Abnormal Checklist

SMOKE or ELEKTRICAL FIRE

Bat & Alt. OFF
Cabin Air CLOSED

Caution:

If Fire Extinguisher is used, cabin must be ventilated

In Case fire is extinguished & electrical power is

required for rest of flight:

Avionic OFF
All electrical Equip OFF
Bat Sw. ON
Radio ON

LAND AT NEAREST SUITABLE AIRPORT

ROUGH RUNNING ENGINE

Throttle / Power MAXIMUM
Carb Heat ON
Mixture RICH
Fuel Selector OPEN
Magnetos BOTH

If no improvement due to Carb Ice:
Carb Heat
Mixture

Carb LEAN

If no improvement:

Reduce to minimum PWR required

LAND AT NEAREST SUITABLE AIRPORT

LOSS OF OIL PRESSURE

Oil Temperature CHECK

If Oil Press, drops below green arc AND

Oil Temp normal:

LAND AT NEAREST SUITABLE AIRPORT

If Oil Press, drops below green arc AND Oil Temp is rising:

Reduce throttle to min. PWR required

PERFORM SAFETY LANDING

be prepared for Engine INOP LDG

ICING CONDITIONS

Pitot Heat
Cabin Heat&Defrost
Carb Heat
Direction and/or Altitude
ON
ON
Car Altitude
CHANGE

Propeller INCREASE RPM

Appr.-Speed INCREASE (65-75 KIAS)
Flaps RETRACTED
Landing in level attitude

Open left window if rqd

IF NO CHANGE: LAND AT NEAREST SUITABLE AIRPORT OR PERFORM SAFETY LANDING

OVERVOLTAGE - WARNING

Avionic Master
Alternate Fuse
Battery/Alternator Sws
Battery/Alternator Sws
ON
OFF

if Warning Light is extinguished:
Avionic Master

ON

if Warning Light still illuminate:
Alternator

OFF
Electrical Load

REDUCE

LAND AT NEAREST SUITABLE AIRPORT

Emergency Check List

SAFE OPERATING SPEEDS	
KIAS	
60	
60	
55	
60	
65	
	KIAS 60 60 55

ENGINE INOPERATIVE LANDING	
ENGINE INOPE Check Speed Mixture Fuel Selector Magnetos All Sws excluding Batt Safety Belts Cabin Doors Emergency Flaps Bat & Alt. Sws	60 KIAS for GLIDE CUT OFF OFF OFF SECURED UNLOCKED DECLARE as rqd (30° reccom.) OFF
	-

ENGINE FIRE ON GROUND	
Design of Chart of English	
During Start of Engine	
Starter	START
if engine starts	1700 RPM
ENGINE SHUTDOWN	
if engine not starts	
Mixture	CUT OFF
Bat & Alt. Sws	OFF
Magnetos	OFF
EVACUATE THE A/C IMMEDIATELY	

ENGINE FAILURE	
Note: Check A/C Config, establish glide speed, select landing fields:	
Pitch for Best Glide Fuel Selector Mixture Carb Heat Magnetos Primer Fuel Selector ON RICH ON BOTH IN and LOCKED	
LAND AT NEAREST SUITABLE AIRPORT	

Speed 60 KIAS
Flaps Select Field FLY OVER / CHECK Electrical Switches Flaps Doors VINLATCH Avionics & Master Sw. Touchdown Magnetos Brakes 20° FLY OVER / CHECK OFF SUGHTCH OFF AVIONICATION FLIGHTLY TAIL LOW OFF APPLY HEAVILY

ENGINE FIRE IN FLIGHT	
Check Speed Mixture Fuel Selector Bat & Alt. Sws Cabin Heat	85 KIAS for GLIDE CUT OFF CLOSED OFF OFF
if Fire not extinguished Speed	>100 KIAS
APPLY ENGINE INOPERATIVE LDG	

If Engine does not start:

APPLY ENGINE INOPERATIVE LDG

Robert Scudlik / V2 / 05.09.2013