

NORMAL CHECKLIST

BEFORE ENGINE START

Throttle	CLOSED
Propeller	FORWARD
Mixture	IDLE CUTOFF
IGN C/B 1&2	CLOSED
ESS Bus Feed	CLOSED
Avionics Master	OFF

ENGINE START

Master Switch	ON
Beacon Light	ON
NAV Light	AS REQUIRED
Oil Pressure Light	ON
Alternator Light	FLASHING
Fuel Selector	FULLEST TANK

START ENGINE

AFTER START

Starter Engaged Light	OUT
Oil Pressure Gauge	CHECK
Oil Pressure Light	OUT
Alternator Light	OUT
Avionics Master	ON
Mixture	LEAN
Trims	SET T/O
Flight Controls	FREE & CORRECT
Flaps	ZERO

RUN UP

Oil Temperature	GREEN
Canopy	CLOSED
Mixture	RICH
Throttle	1800
Voltage	CHECK-OVER >12v
Ign/Mags	CHECK
Propeller	CYCLE
Throttle	1000 RPM
Mixture	LEAN
Flaps	SET T/O

TAKEOFF

Lights (Strobe, Taxi, landing)	ON
Fuel Pump	AS REQUIRED
Ign/Mags	BOTH
Canopy	CLOSED
Mixture	RICH
Propeller	FORWARD
Flaps	SET T/O
Throttle	28" MP

AFTER TAKEOFF / CLIMB

Flaps	ZERO
Fuel Pump	OFF
Throttle	25" MP
Propeller	2500 RPM
Fuel Flow	CHECK

Vx	65 KIAS.	Flaps UP	115KIAS
Vy	102 KIAS.	Flaps DN.	80KIAS

CRUISE

Fuel Balance	CHECK
Cruise Power	SET

DESCENT

Fuel Balance	CHECK
Lights (Strobe, Taxi, landing)	ON

BEFORE LANDING

Shoulder Harness	ON
Fuel Balance	CHECK
Fuel Pump	AS REQUIRED
Mixture	SET
Propeller	FORWARD
Flaps	SET

AFTER LANDING / SHUTDOWN

Pitot Heat	OFF
Lights (Strobe, Taxi, landing)	OFF
Fuel Pump	OFF
Mixture	LEAN
Flaps	SET
Avionics Master	OFF
Mixture	IDAL CUTOUT
Ign/Mags	OFF
ESS Bus Feed	OPEN
Master Switch	OFF

Maneuvering Speed

1550 LBS.	120 KIAS.
1300 LBS.	110 KIAS.

Maximum Glide

1900 LBS.	115 KIAS
1600 LBS.	105 KIAS
1300 LBS.	95 KAIS

EMERGENCY CHECKLIST

ENGINE FAILURE DURING T/O

Throttle IDLE
Breaks APPLY
Flaps RETRACT

ENGINE FAILURE AFTER T/O

Airspeed 115 KIAS (FLAPS UP)
80 KIAS (FLAPS DN)
Mixture IDLE CUT-OFF
Propeller MIN RPM
Fuel Selector OFF
Ign/Mags OFF
Flaps AS REQUIRED
Master Switch OFF

ENGINE FAILURE DURING FLIGHT

Airspeed 115 KIAS
Fuel Selector SWITCH TANKS
Fuel Pump ON
Mixture RICH
Alternate Air OPEN
IGN C/B 1&2 CLOSE-OPEN-CLOSE
Mag Switch BOTH-OFF-BOTH
Starter TAP (if propeller is stoped)

ROUGH RUNNING ENGINE

Mixture ADJUST
Throttle ADJUST
Fuel Selector SWITCH TANKS
Fuel Pump ON
Alternate Air OPEN
IGN C/B 1&2 CLOSE-OPEN-CLOSE
Mag Switch BOTH-OFF-BOTH

LOW FUEL PRESSURE

Fuel Pump ON
Fuel Selector SWITCH TANKS

LOW OIL PRESSURE

Oil Pressure Light CHECK
Oil Pressure Gauge CHECK

If Both Indication Confirm Low Pressure

Land ASAP

STATER ENGAGED LIGHT ON

Master Switch OFF
Aircraft LAND ASAP

Maneuvering Speed

1550 LBS.	120 KIAS.	1900 LBS.	115 KIAS
1300 LBS.	110 KIAS.	1600 LBS.	105 KIAS
		1300 LBS.	95 KAIS

Maximum Glide