

NORMAL CHECKLIST

M20J

OO LVT

BEFORE EXTERIOR C/L

Read and Do

Documents On Board
Gear Switch.....Down
Gascolator Drain
Emergency Gear Handle.....Latched
Fire Extinguisher Checked
Ignition..... Off
Master Switch On
Fuel Quantity Checked
Battery Voltage Checked
External Lights..... Checked
Pitot Heat Checked
Master Switch Off

BEFORE START C/L

SeatsLatched
Rocker SwitchesOff, Elev Trim On
Alternate Static Pushed Off
Directional GyroSlave
All Lights Off, Beacon On
Audio Panel..... Set
Circuit Breakers All In
Cabin Heat, Defrost Closed
Fuel Selector Fullest Tank
Briefing Completed

BEFORE TAXI C/L

Oil Pressure.....Green
Alternator On, Light out
Ammeter Positive Charge
Annunciator Panel Tested
Radio Master Switch..... On
Com/Nav Set
Autopilot Tested
Skywatch..... Tested
Transponder Code/GND
Cowl Flaps As Required
Flaps..... Checked, Set for T/O
Fuel Totalizer..... Set

BEFORE TAKE OFF C/L

Engine Run-up Completed
Ignition Both
Trim..... Set for T/O
Cowl Flaps As Required
Flaps Set for T/O
Doors and Window Closed
Seat Belts..... Fastened
Flight Controls Checked

RUNWAY ITEMS

Booster Pump On
Pitot Heat..... As Required
Lights..... On
Altimeter Checked
Directional Gyro Checked

AFTER TAKEOFF C/L

Landing Gear..... Up
Cowl Flaps As Required
Flaps Up
Booster Pump Off
Landing Light..... Off
Transponder ALT

APPROACH C/L

QNH Set
Mixture..... Rich
Fuel..... Fullest Tank

LANDING C/L

Booster Pump On
Landing Gear..... Down
Propeller High RPM
Flaps Set for Landing

AFTER LANDING C/L

Cowl Flaps Open
Flaps Up
Lights Off
Pitot Heat Off
Booster Pump Off
Transponder 7000/GND
Trim T/O

NORMAL TAKE-OFF

Flaps T/O (15°)
Rotate 60 KIAS
Climb Speed 90 KIAS

NORMAL LANDING

Airspeed 70-78 KIAS
Flaps FULL

CROSSWIND LANDING

Max demonstrated crosswind 11 KIAS
Flaps 0°-15°
Airspeed Add 10 KIAS

GO-AROUND

Throttle Full
Mixture Rich
Nose Take-off attitude
Airspeed 65 KIAS
Flaps T/O
Trim Nose down
Airspeed Accelerate to 76 KIAS
Landing gear Up
Flaps Up
Airspeed Accelerate to 86 KIAS

GENERAL INFO

Tank capacity 66,5 US gallons*
Usable fuel 64,0 US gallons*
* 1 US gallon = 3,785 liters
Average consumption 11 gallons per hour
Minimum landing fuel 8 gallons
Oil capacity 8 quarts
Minimum oil required 6 quarts

SHUTDOWN C/L

Read and Do

Throttle 1200 Rpm
Radio Master Off
Mixture Cut-off
Electrical Equipment Off
Ignition Off
Master Switch Off

Empty weigh (OO-LVT)t 1980,21 Lbs
Maximum useful load 919,79Lbs
Maximum baggage weight 120 Lbs
Maximum weight in hatrack 10 Lbs
Maximum takeoff weight 2900 Lbs
Maximum landing weight 2900 Lbs

Vne 196 KIAS
Vno 174 KIAS
Vlo(EXT)/Vle 132 KIAS
Vlo(RET) 107 KIAS
Vfe 112 KIAS
Vmax window open 132 KIAS
Vx (best angle of climb) 66 KIAS
Vy (best rate of climb) 86 KIAS

DOCUMENTS REQUIRED ON BOARD

Aircraft Documents

1. Aircraft Journal
2. Airworthiness certificate
3. Registration certificate
4. Radio certificate
5. Operating handbook
6. Weight and balance report

Pilot's Documents

1. License
2. Passport
3. Medical

Flight Plan

Item 9, type of aircraft M20P
Item 10 SGFDRY / S
Item 18 PBN/A1B2C2D2L1O2S1

RALV ATO B-305

rev.1.0 date: 29/04/2016