

APPROACH CHECK

| | | | |
|---|-------------------------|----------------------------|---|
| 1 | Altimeter..... | SET QNH..... | 1 |
| 2 | Landing light..... | ON..... | 2 |
| 3 | Electric fuel pump..... | ON..... | 3 |
| 4 | Fuel quantity..... | CHECKED (ENDURANCE ?)..... | 4 |
| 5 | Fuel selector..... | SET PROPER TANK..... | 5 |
| 6 | Mixture..... | RICH / AS REQUIRED..... | 6 |

APPROACH CHECK COMPLETED

LANDING CHECK

| | | | |
|---|-----------------|-------------------------------------|---|
| 1 | Gear down..... | INDICATOR & GREEN LIGHT CHECKED.... | 1 |
| 2 | Flaps..... | SET FOR LANDING..... | 2 |
| 3 | Propeller..... | MAX. RPM..... | 3 |
| 4 | Mixture..... | RICH or AS REQUIRED..... | 4 |
| 5 | Cowl flaps..... | OPEN..... | 5 |

LANDING CHECK COMPLETED

AFTER LANDING CHECK

| | | | |
|---|---------------------------------|-------------------------|---|
| 1 | Transponder..... | GND / SBY..... | 1 |
| 2 | Pitot / Anti ice equipment..... | OFF..... | 2 |
| 3 | Time..... | NOTED..... | 3 |
| 4 | Anti collision lights..... | OFF..... | 4 |
| 5 | Landing lights..... | OFF or AS REQUIRED..... | 5 |
| 6 | Electric fuel pump..... | OFF..... | 6 |
| 7 | Flaps..... | UP..... | 7 |
| 8 | Speed brakes..... | OFF..... | 8 |

AFTER LANDING CHECK COMPLETED

ENGINE SHUT DOWN AND PARKING

| | | | |
|----|--------------------------------|------------------------|----|
| 1 | Parking brake..... | AS REQUIRED..... | 1 |
| 2 | Throttle..... | SET 1000 RPM..... | 2 |
| 3 | Trim..... | TAKE OFF POSITION..... | 3 |
| 4 | Flaps..... | FULL DOWN..... | 4 |
| 5 | Electrical consumers..... | OFF..... | 5 |
| 6 | 121.5..... | CHECKED..... | 6 |
| 7 | Avionics master switch..... | OFF..... | 6 |
| 8 | Alternator..... | OFF..... | 7 |
| 9 | Mixture..... | LEAN /CUT OFF..... | 8 |
| 10 | Ignition key..... | OFF..... | 9 |
| 11 | Rotating Beacon..... | OFF..... | 11 |
| 12 | Battery master..... | OFF..... | 12 |
| 13 | Flight data and documents..... | NOTED / COMPLETED..... | 13 |
| 14 | Parking brake..... | SET / AS REQUIRED..... | 14 |

PARKING CHECK COMPLETED

SPEEDS

| | | | |
|---------------------------------|-----------------|---|-----------------------|
| V_x | 66 KIAS | VA | 104 - 118 KIAS |
| V_y | 86 KIAS | V_{FE} (max. Flaps speed) | 112 KIAS |
| V_{cruise climb} | 100 KIAS | V_{initial approach} | 90 KIAS |
| VLO DN (max. gear down) | 132 KIAS | V_{final} (Full Flaps) | 70 KIAS |
| VLO UP (max. gear up) | 107 KIAS | V_{best gliding angle} (clean) | 87 - 93 KIAS |
| | | Crosswind component max. | 11 KTS |

AIRCRAFT PREPARATION

COMPLETED (ACCORDING AFM)

PREFLIGHT CHECK

| | | | |
|---|----------------------|----------------|---|
| 1 | Outside check..... | COMPLETED..... | 1 |
| 2 | Baggage door..... | CLOSED..... | 2 |
| 3 | Aircraft papers..... | CHECKED..... | 3 |
| 4 | Aircraft log..... | CHECKED..... | 4 |
| 5 | Tow bar..... | SECURED..... | 5 |
| 6 | Cabine..... | CHECKED..... | 6 |
| 7 | Loadsheet..... | CHECKED..... | 7 |

PREFLIGHT CHECK COMPLETED

CHECK BEFORE ENGINE START

| | | | |
|----|------------------------------------|-------------------------|----|
| 1 | Cabin door..... | CLOSED..... | 1 |
| 2 | Seats..... | ADJUSTED..... | 2 |
| 3 | Parking brake..... | ON..... | 3 |
| 4 | Seat belts & shoulder harness..... | FASTENED, ADJUSTED..... | 4 |
| 5 | Electrical consumers..... | OFF..... | 5 |
| 6 | Circuit breakers..... | ALL IN, CHECKED..... | 6 |
| 7 | Gear handle..... | DOWN..... | 7 |
| 8 | Avionics master..... | OFF..... | 8 |
| 9 | Ground clearance switch..... | ON..... | 9 |
| 10 | ATIS / Start up clearance..... | RECIEVED..... | 10 |
| 11 | Battery master & alternator..... | ON..... | 11 |
| 12 | Flaps..... | UP..... | 12 |
| 13 | Fuel quantity..... | ENDURANCE..... | 13 |
| 14 | Fuel selector valve..... | L - R ?..... | 14 |
| 15 | Mixture..... | LEAN / CUT OFF..... | 15 |
| 16 | Throttle..... | IDLE..... | 16 |
| 17 | Propeller..... | MAX. RPM..... | 17 |
| 18 | Cowl flaps..... | OPEN..... | 18 |

CHECK BEFORE ENGINE START COMPLETED

STARTING ENGINE

| | | | |
|----|--|---------------------------------|----|
| 1 | Rotating Beacon..... | ON..... | 1 |
| 2 | Throttle..... | SET FOR ENGINE START (1CM)..... | 2 |
| 3 | Mixture.....(cold engine only !)..... | FULL RICH..... | 3 |
| 4 | Electric fuel pump..(cold engine only !)..... | ON (APROX. 2 SEC.) AND OFF..... | 4 |
| 5 | Mixture (hot engine – short open and close)..... | LEAN / CUT OFF..... | 5 |
| 6 | Propeller area..... | CLEAR..... | 6 |
| 7 | Ignition key..... | START..... | 7 |
| 8 | Mixture..... | SLOWLY TO FULL RICH..... | 8 |
| 9 | Engine running..... | SET 1100 RPM..... | 9 |
| 10 | Oil Pressure (within 30")..... | GREEN ARC..... | 10 |

STARTING ENGINE COMPLETED

CHECK AFTER ENGINE START

| | | |
|---|----------------------------------|----|
| 1 Alternator output..... | CHECKED..... | 1 |
| 2 Annunciator lights..... | CHECKED..... | 2 |
| 3 Ventilation, heater, defroster..... | SET AS REQUIRED..... | 3 |
| 4 Navigation lights..... | AS REQUIRED (DAYTIME OFF)..... | 4 |
| 5 Avionics master switch / Avionic / Flarm..... | ON..... | 5 |
| 6 GPS..... | ON / TESTED / DATABASE CHKD..... | 6 |
| 7 Elevator Trim..... | ON..... | 7 |
| 8 Flight instruments..... | CHECK AND SET..... | 8 |
| 9 Engine instruments..... | CHECKED..... | 9 |
| 10 Avionics GPS, NAV, COM, SSR..... | SET AND PRESELECT..... | 10 |
| 11 Autopilot..... | TEST..... | 11 |
| 12 Slave system..... | TEST..... | 12 |

CHECK AFTER ENGINE START COMPLETED**TAXI CHECK**

| | | |
|----------------------------|--------------|---|
| 1 Brakes and steering..... | CHECKED..... | 1 |
| 2 Gyro instruments..... | CHECKED..... | 2 |

TAXI CHECK COMPLETED**RUN-UP**

| | | |
|-------------------------------|------------------------------------|----|
| 1 Parking brake..... | SET..... | 1 |
| 2 Oil temperature..... | CHECKED..... | 2 |
| 3 Zone behind aircraft..... | CLEAR..... | 3 |
| 4 Throttle..... | SET 1950 RPM..... | 4 |
| 5 Oil pressure, Suction..... | GREEN ARC..... | 5 |
| 7 Magnetos...(L-B-R-L-B)..... | CHECKED (MAX. -175 / =50 RPM)..... | 7 |
| 8 Mixture..... | CHECK FUNCTION..... | 8 |
| 9 Propeller..... | CHECK FUNCTION (2x)..... | 9 |
| 10 Throttle idle..... | CHECKED (500 – 700 RPM)..... | 10 |
| 11 Throttle..... | SET 1100 RPM..... | 11 |

RUN UP COMPLETED**CHECK BEFORE DEPARTURE**

| | | |
|--|-----------------------------|----|
| 1 Fuel quantity..... | ENDURANCE..... | 1 |
| 2 Fuel selector valve..... | SET PROPER TANK..... | 2 |
| 3 Mixture..... | FULL RICH (OR AS REQ.)..... | 3 |
| 4 Propeller..... | MAX. RPM..... | 4 |
| 5 Friction lock..... | SET..... | 5 |
| 6 Cowl flaps..... | OPEN..... | 6 |
| 7 Magnetos..... | BOTH..... | 7 |
| 8 Annunciator lights..... | CHECKED..... | 8 |
| 9 Trim..... | SET FOR DEPARTURE..... | 9 |
| 10 Speed brakes..... | CHECKED & OFF..... | 10 |
| 11 Flaps..... | SET FOR DEPARTURE..... | 11 |
| 12 Controls..... | FREE AND CORRECT..... | 12 |
| 13 Flight instruments & avionics..... | SET FOR DEPARTURE..... | 13 |
| 14 ATC clearance / altitude / SSR..... | VERIFIED..... | 14 |
| 15 GPS / NAV / flight instr. / stormscope..... | CHECKED..... | 15 |
| 16 Departure briefing..... | COMPLETED..... | 16 |

CHECK BEFORE DEPARTURE COMPLETED**LINE UP CHECK**

| | | |
|---------------------------------|-----------------------|---|
| 1 Cabin door..... | CLOSED..... | 1 |
| 2 Lights..... | ON (AS REQUIRED)..... | 2 |
| 3 Anti collision lights..... | ON..... | 3 |
| 4 Electrical fuel pump..... | ON..... | 4 |
| 5 Time..... | NOTED..... | 5 |
| 6 Approach sector & runway..... | CLEAR..... | 6 |
| 7 Pitot heat / Stormscope..... | ON / AS REQUIRED..... | 7 |

LINE UP CHECK COMPLETED**CLIMB CHECK**

| | | |
|---------------------------|---------------------------|---|
| 1 Gear..... | UP..... | 1 |
| 2 Flaps..... | UP..... | 2 |
| 3 Climb power..... | 26' / 2600 RPM..... | 3 |
| 4 Electric fuel pump..... | OFF (CHECK PRESSURE)..... | 4 |
| 5 Lights..... | AS REQUIRED..... | 5 |
| 6 Cowl flaps..... | OPEN..... | 6 |

CLIMB CHECK COMPLETED**CRUISE CHECK**

| | | |
|-------------------------|-------------------------------|---|
| 1 Altimeters..... | SET (STD – QNH)..... | 1 |
| 2 Gyro instruments..... | CHECKED..... | 2 |
| 3 Cruise power..... | SET (ACCORDING AFM)..... | 3 |
| 4 Cowl flaps..... | CLOSED (OR AS REQUIRED)..... | 4 |
| 5 Mixture..... | SET..... | 5 |
| 6 Fuel quantity..... | CHECKED (ENDURANCE ?)..... | 6 |
| 7 Fuel selector..... | SET AS REQUIRED (L or R)..... | 7 |
| 8 Lights..... | AS REQUIRED..... | 8 |

CRUISE CHECK COMPLETED**DESCENT CHECK**

| | | |
|--------------------------|-----------------------|---|
| 1 ATIS..... | NOTED..... | 1 |
| 2 Approach briefing..... | COMPLETED..... | 2 |
| 3 GPS / NAV..... | SET FOR APPROACH..... | 3 |
| 4 Avionics..... | CHECKED..... | 4 |
| 5 Gyro instruments..... | CHECKED / SET..... | 5 |
| 6 Cabin..... | SECURED..... | 6 |

DESCENT CHECK COMPLETED