

PZL KOLIBER 160A CHECK LIST

(extracted from the Pilots Operating Handbook [POH] and translated into better English - 4 PAGES)

BEFORE STARTING ENGINE

1. WHEEL CHOCKS, TIE DOWNS & INTERNAL & EXTERNAL LOCKS, & PITOT COVER REMOVED
2. SEATS ADJUSTED & SEAT BELTS ON
3. BRAKES ON & LOCKED – COVER TOE BRAKES
4. CANOPY CLOSED & LOCKED

STARTING THE ENGINE

1. FUEL SELECTOR – SELECT LEFT or RIGHT TANK ON
2. CARB HEAT OFF
3. MIXTURE – FULL RICH
4. MASTER SWITCH – ON –CHECK ALTERNATOR LIGHT ON
5. FUEL PUMP – ON
6. PRIME – 3 PUMPS
7. THROTTLE – SET SLIGHTLY OPEN & COVERED
8. CHECK CLEAR ALL AROUND AIRCRAFT – CALL “CLEAR PROP”
9. START ENGINE
10. OILPRESSURE –CHECK RISING
11. ALTERNATOR SWITCH – ON – CHECK LIGHT OUT

ENGINE TEST & BEFORE TAKE OFF CHECKS (carried out at the hold at Cranfield)

ENGINE:

1. PARKING BRAKE – ON
2. CONTROL STICK – HOLD BACKWARDS
3. FUEL PRESSURE –CHANGE TANKS - CHECK WITHIN GREEN RANGE
4. OIL PRESSURE – CHECK WITHIN GREEN RANGE
5. OIL TEMPERATURE - CHECK WITHIN GREEN RANGE
6. MIXTURE – FULL RICH
7. CARB HEAT – OFF
8. MAG DROP CHECK LEFT THEN RIGHT – BACK TO BOTH (AT 2000 RPM 50 /100 RPM DROP)
9. DO NOT EXCEED 2300 RPM ON GROUND RUN

BEFORE TAKE OFF

1. FUEL SELECTOR – SET RIGHT OR LEFT (CAUTION MIDWAY = OFF !)
2. MAGNETOS ON BOTH
3. CARB HEAT OFF
4. MIXTURE –CHECK SET FULL RICH
5. ENGINE TS & PS WITHIN GREEN RANGES
6. FUEL PUMP ON
7. CONTROL STICK & RUDDER PEDALS FULLY FREE & LOGICAL OPERATION
8. TRIM TAB –SET TO TAKE OFF (T/O) POSITION
9. FLIGHT INSTRUMENTS SET
10. AVIONICS SET

TAKE OFF

1. PARKING BRAKE – OFF
2. FLAPS FULLY RETRACTED
3. POWER – SET FULL THROTTLE GRADUALLY & SMOOTHLY
4. RAISE NOSE WHEEL AT 49-53 KNOTS
5. LIFT OFF AT 54KTS MINIMUM AIR SPEED
6. CLIMB TO 500FT QFE AT 70 KNOTS
7. FUEL PUMP OFF

CLIMB

1. AIRSPEED – INCREASE TO CLOSE LEADING EDGE SLATS
2. CLIMB AT 79 KNOTS
3. POWER SETTING – FULL THROTTLE
4. TEMPERATURES & PRESSURES –CHECK
5. MIXTURE – FULL RICH

BEST ANGLE OF CLIMB

1. AIRSPEED- 61 KNOTS
2. POWER SETTING– FULL THROTTLE
3. TEMPERATURES & PRESSURES –CHECK
4. MIXTURE –FULL RICH

CRUISE

1. POWER – SET
2. TRIM
3. MIXTURE – ADJUST

APPROACH TO LANDING

1. MIXTURE – FULL RICH
2. FUEL PUMP – ON
3. FUEL – SELECT FULLEST TANK
4. FLAPS DOWN BELOW 79 KNOTS
5. CARB HEAT – ON
6. AIRSPEED – TURNING ONTO FINAL 70 KNOTS
7. AIRSPEED – FINAL – FLAPS FULL OUT – 65 KNOTS
8. CARB HEAT –SELECT OFF AT 300 FT AGL

LANDING

1. FLARE – SLATS OPEN AUTOMATICALLY
2. TOUCH DOWN MAIN WHEELS – 55 TO 64 KNOTS
3. LANDING ROLL – NOSE WHEEL DOWN 52-61 KNOTS

BAULKED LANDING / GO AROUND

1. POWER – FULL ON
2. CARB HEAT – CHECK OFF
3. AIRSPEED – 65 KNOTS
4. FLAPS – RETRACT WITH CAUTION AT POSITIVE RATE OF CLIMB

TAXIING AFTER LANDING

1. FUEL PUMP- OFF
2. FLAPS – UP
3. TRIM TAB TO T/O POSITION
4. CARB HEAT OFF

ENGINE SHUT DOWN

1. PARKING BRAKE – ON
2. ELECTRICAL EQUIPMENT OFF
3. RADIO – OFF
4. ENGINE RPM 800-900 RPM
5. MIXTURE FULLY LEAN
6. MAGNETOS – OFF
7. ALTERNATOR – OFF
8. MASTER SWITCH – OFF
9. FUEL SELECTOR – OFF

PARKING

1. CHECK ALL SWITCHES OFF
2. PUSH BACK TO PARKING POSITION- LEAVE BRAKES OFF
3. TIE DOWN
4. INSTALL CONTROL LOCKS INTERNAL & EXTERNAL AND PITOT COVER
5. LOCK CANOPY
6. REPLACE COVERS & LOOP UP FREE ENDS OF TIES (TO PREVENT PAINT CHAFE)