

CESSNA 182P

(1972-1976)

Vso 48KTS / 57MPH
Vr 50KTS / 60MPH
Vs1 53KTS / 64MPH
Vx (20° 57KTS/63MPH) (F/UP) 59KTS / 70MPH
BEST GLIDE (GROSS) 70KTS / 80MPH
Vy (73KTS/85MPH@10,000') (SL) 80KTS/ 89MPH
Vfe (10° @ 140KTS / 160MPH) 110MPH
Va (GROSS) 110KTS / 126MPH
Vno 141KTS / 160MPH
Vne 176KTS / 198MPH

POWER PLANT DATA

CONTINENTAL O-470
MAXIMUM GROSS WEIGHT 2950LBS
FUEL CONSUMPTION 12GPH

APPROACH SPEEDS

FLAPS UP 80-90MPH
FLAPS DOWN 70-80MPH

PRE-FLIGHT COCKPIT INSPECTION

DOCUMENTS (AROW) ON BOARD
MASTER SWITCH ON
FUEL QUANTITY CHECK
FLAPS DOWN
COWL FLAPS OPEN
MASTER SWITCH OFF
CONTROL LOCK REMOVE

EXTERIOR INSPECTION

FUSELAGE LEFT SIDE .. (CONDITION) CHECK
TAIL SECTION (COND.HINGES,ETC.) .. CHECK
FUSELAGE RIGHT SIDE ... (COND) CHECK
RIGHT WING CHECK
(CONTROL SURFACES,FUEL QTY./SUMP DRAIN)
RIGHT MAIN GEAR CHECK
(STRUT,BOLTS,BRAKE LINES,TIRE COND.)
ENGINE COMPARTMENT CHECK
(FUEL STRAIN,OIL QTY./LEAKS,NESTS, BELT)
NOSE GEAR (STRUT,TIRE,NUTS,BOLTS) CHECK
PROPELLER ... (NICK,DENTS,TIGHTNESS,ETC)
LEFT WING CHECK
(CONTROL SURFACES,PITOT,FUEL QTY./SUMP)
LEFT MAIN GEAR CHECK
(STRUT,BOLTS,BRAKE LINES,TIRE COND.)

BEFORE STARTING CHECKLIST

PARKING BRAKE SET
SEATS / SEAT BELTS SECURE
ELECTRICAL EQUIPMENT OFF
CIRCUIT BREAKERS IN
FUEL SELECTOR FULLEST TANK / BOTH
MASTER SWITCH ON
FLAPS UP
AREA CLEAR

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ENGINE STARTING CHECKLIST

COWL FLAPS OPEN
MIXTURE / PROP CONTROLS FORWARD
CARBURETOR HEAT COLD / OFF
PRIME AS REQUIRED / IN & LOCKED
THROTTLE 1 / 2" OPEN
AREA CLEAR
STARTER ENGAGE
THROTTLE ADJUST 800-1000RPM
OIL PRESSURE CHECK
(ALLOW 30 SEC. / WARM - 60 SEC. / COLD)
BRAKES CHECK BEFORE TAXI
LIGHTS AS REQUIRED / AVIONICS SWITCH(S) ON

BEFORE TAKE-OFF CHECKLIST

PARKING BRAKE SET
DOORS / WINDOWS CLOSED / LOCKED
FLIGHT CONTROLS CHECK
FLIGHT INSTRUMENTS CHECK / SET
MIXTURE AS REQUIRED / RICH
THROTTLE 1700RPM
MAGNETOS CHECK
(MAX. DROP 100RPM / MAX. DIFF. 50RPM)
CARBURETOR HEAT CHECK / COLD
PROPELLER CYCLE / FORWARD
AMMETER(POSITIVE CHARGE) CHECK
VACUUM CHECK
THROTTLE IDLE
ENGINE INSTRUMENTS GREEN
TRIM SET
TRANSPONDER ALTITUDE
CLOCK / TIME OFF SET / LOG

NORMAL TAKE-OFF

FLAPS / CARB.HEAT UP / COLD
MIXTURE / PROP CONTROL .. AS REQ / FWD
THROTTLE MAXIMUM POWER
ROTATE 50KTS / 60MPH
CLIMB SPEED (Vy) (SL) 80KTS / 89MPH

SHORT FIELD TAKE-OFF

FLAPS / CARB.HEAT 20° / COLD
BRAKES APPLY FULL
MIXTURE / PROP CONTROL .. AS REQ / FWD
THROTTLE MAXIMUM POWER
BRAKES RELEASE
ROTATE 50KTS / 60MPH
CLIMB SPEED (Vx) (SL) 59KTS / 70MPH
(OBST. CLEARED) FLAPS / UP 80KTS / 89MPH

CRUISE CHECKLIST

POWER / PROPELLER AS REQUIRED
MIXTURE (FUEL FLOW) ADJUST
TRIM SET
COWL FLAPS AS REQUIRED

DESCENT CHECKLIST

FLIGHT INSTRUMENTS SET
MIXTURE ADJUST
POWER AS REQUIRED
CARBURETOR HEAT ... AS REQUIRED / ON
FUEL SELECTOR ... FULLEST TANK / BOTH
RADIOS SET

(SET DESCENT SPEED TO ALLOW FOR TURBULENCE)

OBTAIN ATIS OR CURRENT AIRPORT WEATHER

PLAN A DESCENT RATE THAT WILL BE
COMFORTABLE FOR YOUR PASSENGERS !

BEFORE LANDING CHECKLIST

SEATS / SEAT BELTS SECURE
FUEL SELECTOR ... FULLEST TANK / BOTH
CARBURETOR HEAT ON
MIXTURE RICH / AS REQUIRED
PROPELLER FORWARD

NORMAL LANDING

APPROACH (F/UP) ... 70-80KTS/80-90MPH
APPROACH (F/DN) ... 60-70KTS/70-80MPH

SHORT FIELD LANDING

APPROACH SPEED 60KTS / 69MPH
FLAPS FULL
THROTTLE IDLE
(AFTER CLEARING ALL OBSTACLES)
TOUCHDOWN BRAKES FIRM
FLAPS RETRACT

BALKED LANDING PROCEDURES

THROTTLE / PROPELLER FULL / FWD
CARBURETOR HEAT COLD/OFF
FLAPS 20° / (SL) 57KTS / 60-63MPH
POSITIVE RATE OF CLIMB CHECK
FLAPS RETRACT
COWL FLAPS ... AS REQUIRED / OPEN
(OBSTACLES CLEARED) FLAPS / UP

AFTER LANDING CHECKLIST

CLEAR OF RUNWAY THEN
FLAPS UP
CARBURETOR HEAT COLD / OFF
TRANSPONDER STANDBY
COWL FLAPS OPEN

SHUT DOWN CHECKLIST

ELECTRICAL EQUIPMENT OFF
MIXTURE IDLE-CUTOFF
MAGNETOS OFF
MASTER SWITCH OFF
PARKING BRAKE SET
CONTROL LOCK INSTALL
AIRCRAFT SECURE/TIE DOWN

ENGINE FAILURE TAKE-OFF ROLL

THROTTLE CLOSED
BRAKES APPLY FULL
FLAPS RETRACT
MIXTURE IDLE-CUTOFF
MAGNETOS OFF
MASTER SWITCH OFF

ENGINE FAILURE AT TAKE-OFF

AIRSPPEED (FLAPS UP) 70-80KTS / 80-90MPH
..... (FLAPS DOWN) 60-70KTS / 70-80MPH

MIXTURE IDLE-CUTOFF
FUEL SELECTOR OFF
MAGNETOS OFF
FLAPS AS REQUIRED
MASTER SWITCH OFF
DOOR(S) AJAR

ENGINE FAILURE IN FLIGHT

TRIM FOR BEST GLIDE 70KTS / 80MPH
PICK SUITABLE LANDING SITE
FLY TOWARD LANDING SITE

CARBURETOR HEAT ON
MIXTURE RICH
FUEL SELECTOR ON
MAGNETOS ON/BOTH

IF NO RESTART OR AN OFF AIRPORT LANDING IS

NECESSARY : *SQUAWK CODE : 7700 (121.5)*

MIX, MAGS, MASTER, FUEL SELECTOR OFF
SEATS / SEAT BELTS SECURE
SHARP OBJECTS STOW
DOORS ... (OPEN DOORS SLIGHTLY JUST BEFORE TOUCHDOWN) . AJAR

ENGINE FIRE DURING START UP

CRANKING CONTINUE

IF ENGINE STARTS :

THROTTLE 1800RPM
ENGINE SHUTDOWN
ENGINE INSPECT

IF ENGINE FAILS TO START:

THROTTLE FULL OPEN
MIXTURE IDLE-CUTOFF
CRANKING CONTINUE
FIRE EXTINGUISHER OBTAIN/ARM
ENGINE SECURE
MAGNETOS OFF
MASTER SWITCH OFF
FUEL SELECTOR OFF
ENGINE INSPECT