

CHEROKEE 180G

(1972)

AVTECH INC. TOTAL RECALL

Vso	57MPH
Vr	55-60MPH
Vs1	67MPH
Vx	74MPH
BEST GLIDE	(GROSS) 80MPH
Vy	85MPH
Vfe	115MPH
Va	(GROSS) 129MPH
Vno	140MPH
Vne	171MPH

*MANEUVERING SPEED DECREASES AS AIRCRAFT WEIGHT DECREASES !

POWER PLANT DATA

LYCOMING	O-360
MAXIMUM GROSS WEIGHT	2400LBS
FUEL CONSUMPTION	6-8GPH

APPROACH SPEEDS

FLAPS UP	85MPH
FLAPS DOWN	76MPH

PRE - FLIGHT INSPECTION COCKPIT CHECKLIST

MASTER SWITCH	ON
FUEL QUANTITY	(GAUGES) CHECK
FLAPS	DOWN/UP
MASTER SWITCH	OFF
CONTROL LOCK	REMOVE

EXTERIOR INSPECTION

RIGHT WING	CHECK
(CONTROL SURFACES,FUEL QTY./SUMP)	
RIGHT MAIN GEAR	CHECK
(STRUT,BOLTS,BRAKE LINES,TIRE COND.)	
ENGINE COMPARTMENT	CHECK
(CLEAN,OIL QTY./LEAKS,FUEL STRAIN,NESTS)	
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.)	
FUSELAGE LEFT SIDE	(CONDITION) CHECK
TAIL SECTION(COND.HINGES,ETC.)	CHECK
FUSELAGE RIGHT SIDE	(COND) CHECK

BEFORE STARTING CHECKLIST

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

COPYRIGHT, AVTECH PILOT PRODUCTS, 1991 SN# 5409-11806

ENGINE STARTING CHECKLIST

MIXTURE	RICH
CARBURETOR HEAT	COLD / OFF
THROTTLE	1/4" OPEN
FUEL PUMP (CHECK PRESSURE)	ON
AREA	CLEAR
STARTER	ENGAGE
THROTTLE	ADJUST 1000-1200RPM
OIL PRESSURE	CHECK
	(30 SEC./WARM - 60 SEC./COLD)
FUEL PUMP (CHECK PRESSURE)	OFF
LIGHTS AS REQUIRED / AVIONICS SWITCH(S)	ON

BEFORE TAKE-OFF CHECKLIST

PARKING BRAKE	SET
DOORS / WINDOWS	CLOSED / LOCKED
FLIGHT CONTROLS / INSTRUMENTS	CHECK
FUEL SELECTOR	FULLEST TANK
MIXTURE	RICH / AS REQUIRED
THROTTLE	2000RPM
MAGNETOS	CHECK
(MAXIMUM DROP 125RPM / MAXIMUM DIFF. 50RPM)	
CARBURETOR HEAT	CHECK / COLD
VACUUM	(5.0" + -.1)CHECK
OIL PRESSURE	CHECK
AMMETER / ANNUNCIATOR PANEL	CHECK
ENGINE INSTRUMENTS	(GREEN) CHECK
THROTTLE	IDLE
TRIM	SET
TRANSPONDER	ALTITUDE
CLOCK / TIME OFF	SET / LOG

NORMAL TAKE-OFF

FUEL PUMP (CHECK PRESSURE)	ON
FLAPS	SET / UP
MIXTURE / CARB.HEAT	AS REQ. / COLD
THROTTLE	MAXIMUM POWER
ROTATE	50-60MPH
CLIMB SPEED(BEST RATE)	85MPH

SHORT FIELD TAKE-OFF

FUEL PUMP (CHECK PRESSURE)	ON
FLAPS	25°
BRAKES	APPLY FULL
MIXTURE / CARB.HEAT	AS REQ. / COLD
THROTTLE	MAXIMUM POWER
BRAKES	RELEASE
ROTATE	50-60MPH
CLIMB SPEED(BEST ANGLE)	74MPH
(UNTIL OBST. ARE CLEARED)(FLAPS UP)	85MPH

CRUISE CHECKLIST

POWER	AS REQUIRED
MIXTURE	(FUEL FLOW) ADJUST
TRIM	SET
FUEL PUMP (CHECK PRESSURE)	OFF

DESCENT CHECKLIST

FLIGHT INSTRUMENTS SET
MIXTURE ADJUST
POWER AS REQUIRED
CARBURETOR HEAT AS REQUIRED
FUEL SELECTOR FULLEST TANK
FUEL PUMP ON

(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
FUEL PUMP ON
MIXTURE RICH / AS REQUIRED
LIGHTS AS REQUIRED

NORMAL LANDING

APPROACH SPEED (F/UP) 85MPH
APPROACH SPEED (F/DN) 76MPH

SHORT FIELD LANDING

APPROACH SPEED 76MPH
FLAPS FULL
THROTTLE IDLE
(AFTER CLEARING ALL OBSTACLES)
TOUCHDOWN BRAKES FIRM
FLAPS RETRACT

BALKED LANDING PROCEDURES

THROTTLE FULL
CARBURETOR HEAT COLD / OFF
POSITIVE RATE OF CLIMB CHECK
CLIMB SPEED 74MPH
FLAPS 25°
POSITIVE RATE OF CLIMB CHECK
FLAPS RETRACT
(AFTER CLEARING ALL OBSTACLES)

AFTER LANDING CHECKLIST

CLEAR OF RUNWAY THEN
FLAPS UP
FUEL PUMP OFF
CARBURETOR HEAT OFF/ IF ON
TRANSPONDER STANDBY

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

AIRSPEED (FLAPS UP) 85MPH
..... (FLAPS DOWN) 76MPH
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 80MPH
PICK SUITABLE LANDING SITE
FLY TOWARD LANDING SITE

FUEL PUMP ON
CARBURETOR HEAT ON
MIXTURE RICH
FUEL SELECTOR FULLEST TANK / OTHER
MAGNETOS ON/BOTH

IF NO RESTART OR AN OFF AIRPORT LANDING

BECOMES NECESSARY: 121.5 MAYDAY MAYDAY

MIXTURE, MAGS, MASTER, FUEL & PUMP OFF
SEATS / SEAT BELTS SECURE
SHARP OBJECTS STOW
DOORS AJAR
(OPEN DOORS SLIGHTLY JUST BEFORE TOUCHDOWN)

ENGINE FIRE DURING START UP

CRANKING CONTINUE

IF ENGINE STARTS :

THROTTLE 1800RPM
ENGINE SHUTDOWN
ENGINE INSPECT

IF ENGINE FAILS TO RESTART:

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

©COPYRIGHT, AVTECH PILOT PRODUCTS, 1991

(913)334-5322 P.O. BOX 12182 KANSAS CITY, KS 66112