

AVTECH

POCKET CHECKLIST®

CHEROKEE SIX - 300 (1974-76)

Vso	.....	55KTS / 63MPH
Vr	.....	50-60KTS / 65-70MPH
Vs1	.....	62KTS / 71MPH
Vx	.....	83KTS / 95MPH
BEST GLIDE	..... (GROSS)	87KTS / 100MPH
Vy	.....	91KTS / 105MPH
Vfe	.....	109KTS / 125MPH
Va	..... (GROSS)	129KTS / 149MPH
Vno	.....	146KTS / 168MPH
Vne	.....	184KTS / 212MPH

POWER PLANT DATA

LYCOMING	.....	IO-540
TYPE	.....	6 CYL / INJECTED
HORSEPOWER	.....	300
FUEL REQUIREMENT	.....	100/100LL

PERFORMANCE DATA

MAXIMUM GROSS WEIGHT	.....	3400LBS
CRUISE AIRSPEED	.....	135KTS / 160MPH
FUEL CONSUMPTION	.....	15GPH

APPROACH SPEEDS

FLAPS UP	.....	87KTS / 100MPH
FLAPS DOWN	.....	78KTS / 90MPH

PRE-FLIGHT COCKPIT INSPECTION

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

EXTERIOR INSPECTION

RIGHT WING (COND., FUEL QTY., SUMP,
CONTROL SURF., FREEDOM, COND.) OK
RIGHT MAIN GEAR (NUTS, BOLTS, TIRE) .. OK
ENGINE COMPARTMENT (OIL QTY., LEAKS,
HOSES, BELTS, OBSTRUCTIONS) OK
PROPELLER (NICKS, DENTS, ETC.) OK
NOSE GEAR (TIRE, STRUT, BOLTS) OK
LEFT WING (COND., FUEL QTY., SUMP,
CONTROL SURF., PITOT, COND.) OK
LEFT MAIN GEAR (NUTS, BOLTS, TIRE) OK
LEFT FUSELAGE (CONDITION) OK
TAIL SECTION (RUDDER, ELEVATOR,
FREEDOM, CABLES, CONDITION) OK
RIGHT FUSELAGE (CONDITION) OK

BEFORE STARTING CHECKLIST

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

ENGINE STARTING CHECKLIST

PROPELLER FORWARD
ALTERNATE AIR CLOSED / OFF
THROTTLE 1/2" OPEN
FUEL PUMP (*FLOODED/OFF) ON
MIXTURE RICH (PRIME) / IDLE CUT-OFF
AREA CLEAR
STARTER ... ENGAGE / MIXTURE (ADVANCE)
THROTTLE ADJUST TO 1000-1200RPM
OIL PRESSURE CHECK
FUEL PUMP (CHECK PRESSURE) OFF

- LIGHTS AS REQUIRED
- AVIONICS SWITCH(S) ON
- CHECK BRAKES BEFORE TAXI

BEFORE TAKE-OFF CHECKLIST

PARKING BRAKE SET
DOOR(S) / WINDOW(S) ... CLOSED / LOCKED
MIXTURE RICH / AS REQUIRED
THROTTLE 2000RPM
PROPELLER CYCLE / FORWARD
MAGNETOS (MAX DROP 175RPM / MAX. DIFF. 50RPM) .CHECK
ALTERNATE AIR CHECK / CLOSED
VACUUM (5.0" + - .1) ...CHECK
AMMETER / ANNUNCIATORCHECK
THROTTLE IDLE
FLIGHT CONTROLS CHECK
FLIGHT INSTRUMENTS SET
ENGINE INSTRUMENTS .. (GREEN) ..CHECK
FUEL PUMP (CHECK PRESSURE) .. ON / OFF
TRIM / FLAPS SET
CLOCK / TIME-OFF / TRANS .. SET / LOG / ALT

NORMAL TAKE-OFF

FLAPS 10°

FUEL PUMP ON

MIXTURE / PROP AS REQ. / FWD

ALTERNATE AIR CLOSED

THROTTLE MAXIMUM POWER

ROTATE 55-60KTS / 65-70MPH

SAFE ALTITUDE FLAPS - UP

CLIMB SPEED (Vy) 91KTS / 105MPH

SHORT FIELD TAKE-OFF

FLAPS (SECOND NOTCH) 25°

FUEL PUMP ON

MIXTURE / PROP AS REQ. / FWD

ALTERNATE AIR CLOSED

BRAKES APPLY FULL

THROTTLE MAXIMUM POWER

BRAKES RELEASE

ROTATE 55-60KTS / 65-70MPH

CLIMB SPEED (Vx) 83KTS / 95MPH

FLAPS / UP (Vy) 91KTS / 105MPH

(UNTIL ALL OBSTACLES ARE CLEARED)

CRUISE CHECKLIST

POWER / MIXTURE AS REQUIRED

TRIM AS REQUIRED

FUEL PUMP OFF

DESCENT CHECKLIST

FLIGHT INSTRUMENTS SET

MIXTURE ADJUST

POWER AS REQUIRED

FUEL SELECTOR FULLEST TANK

BEFORE LANDING CHECKLIST

SEATS / SEAT BELTS SECURE
FUEL SELECTOR FULLEST TANK
MIXTURE RICH / AS REQUIRED
PROPELLER FORWARD
ALTERNATE AIR AS REQUIRED

- LANDING LIGHT AS REQUIRED

NORMAL LANDING

APPROACH (FLAPS UP) 87KTS / 100MPH
APPROACH (FLAPS DN) 78KTS / 90MPH

SHORT FIELD LANDING

APPROACH (W/POWER) 78KTS / 90MPH
FLAPS FULL
THROTTLE (AFTER CLEARING ALL OBSTACLES) IDLE
TOUCHDOWN BRAKES FIRM
FLAPS RETRACT

BALKED LANDING

THROTTLE / PROPELLER FULL / FWD
ALTERNATE AIR AS REQUIRED / CLOSED
POSITIVE RATE OF CLIMB CHECK
CLIMB SPEED 83KTS / 95MPH
FLAPS 2ND NOTCH
POSITIVE RATE OF CLIMB CHECK
FLAPS .. (AFTER CLEARING ALL OBSTACLES) ... RETRACT
BEFORE LANDING CHECKLIST REPEAT

AFTER LANDING CHECKLIST

CLEAR OF RUNWAY THEN
FLAPS UP
ALTERNATE AIR AS REQUIRED / OFF
TRANSPONDER STANDBY

SHUTDOWN CHECKLIST

ELECTRICAL EQUIPMENT OFF
MIXTURE IDLE CUT-OFF
MAGNETOS OFF
MASTER SWITCH OFF
CONTROL LOCK INSTALL
PARKING BRAKE AS REQUIRED
AIRCRAFT TIE DOWN / SECURE

ENGINE FAILURE TAKE-OFF ROLL

THROTTLE IDLE
BRAKES APPLY AS REQUIRED
FLAPS RETRACT
MIXTURE IDLE CUT-OFF
MAGNETOS OFF
MASTER SWITCH OFF

ENGINE FAILURE AT TAKE-OFF

AIR SPEED (FLAPS UP) 87KTS / 100MPH
(FLAPS DOWN) 78KTS / 90MPH
MIXTURE IDLE-CUTOFF
FUEL SELECTOR OFF
MAGNETOS OFF
MASTER SWITCH OFF
FLAPS AS REQUIRED

IF A BANK IS NECESSARY, EXECUTE AS SHALLOW A BANK AS POSSIBLE, SINCE STALL SPEEDS INCREASE WITH BANK ANGLE.

ENGINE FAILURE IN FLIGHT

TRIM FOR BEST GLIDE .. 87KTS / 100MPH

PICK & FLY TOWARD LANDING SITE

FUEL PUMP ON
ALTERNATE AIR ON
MIXTURE RICH
FUEL SELECTOR FULLEST TANK
MAGNETOS BOTH
PRIMER IN / LOCKED

● IF NO RESTART OR AN OFF AIRPORT

LANDING : SQUAWK CODE : 7700 (121.5)

MIXTURE, MAGS, MASTER, FUEL OFF

SEATS / SEAT BELTS SECURE

SHARP OBJECTS STOW

DOOR(S) (OPEN SLIGHTLY BEFORE TOUCHDOWN) AJAR

ENGINE FIRE DURING START UP

CRANKING CONTINUE

IF ENGINE STARTS :

THROTTLE 1700RPM

ENGINE SHUTDOWN

ENGINE INSPECT

IF ENGINE FAILS TO START :

THROTTLE FULL OPEN

MIXTURE IDLE -CUTOFF

CRANKING CONTINUE

FIRE EXTINGUISHER OBTAIN

ENGINE SECURE

MAGNETOS OFF

MASTER SWITCH OFF

FUEL SELECTOR OFF

ENGINE INSPECT

FLY YOUR FLIGHT PLAN !

LEAVE HOLDING FIX @ EFC
ARRIVE FOR APPROACH @ ETA
ROUTE - LAST ASSIGNED , EFC
(WHICH EVER IS HIGHEST)
ALTITUDE - LAST ASSIGNED , EFC, MEA
SQUAWK CODE : 7600

LOST COMMUNICATIONS :

CHANGE IN ALTITUDE (VFR ON TOP)
ETA + OR - 3 MINUTES
AIRSPEED + OR - 10KTS OR 5%
UNFORECAST WEATHER
LOSS OF NAV/COMM EQUIPMENT
WHEN UNABLE TO CLB/DESC.@500FPM
COMPULSARY REPORTING POINTS
MISSED APPROACH
LEAVING FAF INBOUND
ENTERING OR LEAVING HOLDING FIX
LEAVING ALTITUDE

(MANDATORY REPORTING)

IFR PROCEDURES :

ENGINE FIRE IN FLIGHT	
MIXTURE	OFF
FUEL SELECTOR	OFF
MASTER SWITCH	OFF
CABIN HEAT/AIR/DEFROST	OFF
IF ADEQUATE ALTITUDE EXISTS:	
AIRSPEED	125KTS / 140MPH
(THIS SHOULD PROVIDE AN INCOMBUSTIBLE MIXTURE)	

EMERGENCY FREQUENCY

7500 - HIJACK

7600 - LOST COMMUNICATIONS

7700 - EMERGENCY

VFR CRUISE ALTITUDES

EAST - (0° - 179°) ODD + 500

WEST - (180° - 359°) EVEN + 500

IFR CRUISE ALTITUDES

EAST - (0° - 179°) ODD

WEST - (180° - 359°) EVEN

APPROACH LIGHTS

RED OVER RED = YOU'RE DEAD

RED OVER WHITE = YOU'RE ALL RIGHT

WHITE OVER WHITE = YOU'RE OUT OF SIGHT

LIGHT GUN SIGNALS

STEADY GREEN -

GROUND - CLEARED FOR TAKEOFF

IN FLIGHT - CLEARED TO LAND

FLASHING GREEN -

GROUND - CLEARED FOR TAXI

IN FLIGHT - RETURN FOR LANDING

STEADY RED -

GROUND - STOP

IN FLIGHT - GIVE WAY, CONTINUE CIRCLING

FLASHING RED -

GROUND - TAXI CLEAR OF RUNWAY IN USE

IN FLIGHT - AIRPORT UNSAFE, DO NOT LAND

TO CONVERT AIRSPEED TO BANK ANGLE
FOR A STANDARD RATE TURN :
(LOSS OF TURN COORDINATOR)
DROP LAST DIGIT FROM CURRENT
AIRSPEED, THEN ADD (5)
EXAMPLE : 100KTS / 10 + 5 = 15°

INSTRUMENT FLIGHT

CROSS CHECK

INTERPRET

CONTROL

INSTRUMENT PROCEDURE (5 - TS)

TIME (BEGIN TIMING)

TURN (BEGIN TURN)

TWIST (NAV./COMM.RADIO FREQ.)

TRANSITION (ALTITUDE)

TALK (COMMUNICATE)

" A Superior Pilot, uses Superior Judgment,
to avoid situations, that require the use,
of their Superior Skills "

Frank Borman : GEMINI 7, APOLLO 8

ALL DATA FURNISHED IN THIS CHECKLIST IS COM-
PILED FOR THE CONVENIENCE OF OUR FELLOW
PILOTS. THIS CHECKLIST SHOULD BE CONSIDERED
SUPPLEMENTAL AND SHOULD BE USED ONLY IN
CONJUNCTION WITH THE PILOTS OPERATING
HANDBOOK. USER ASSUMES ALL LIABILITY AS TO
THE USE OF THE INFORMATION CONTAINED WITHIN.

AVTECH PILOT PRODUCTS

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