CESSNA 172S G1000

WAYMAN

QUICK REFERENCE CHECKLIST

INITIAL

WEIGHT & BALANCE
PERFORMANCE REQ
FLIGHT PLAN.....FILE
CHARTS .....OPEN
DOCUMENTS.....A.R.RO.W
FUEL VALVE.....BOTH
FUEL SHUTOFF.....FULL IN
CNTRL. LOCK .....REMOVE
MASTER .....ON
PFD.....VERIFY ON
AVIONICS
-BUS 1.....ON/CHECK FAN/OFF
-BUS 2.....ON/CHECK FAN/OFF
FLAPS .....EXTEND
PITOT HEAT.....TEST/AS REQ
LIGHTS..... CHECK
FUEL GAUGES .....TRUE
LOW FUEL ANUNC.....OFF
MASTER.....OFF

EXTERIOR

BAGGAGE
PLACARDS
RUDDER/COUNTERWGHTS
ELEVATOR/COUNTERWGHT
TAIL TIE DOWN.....REMOVE
FLAPS
AILERONS/COUNTERWGHT
TIRES & BRAKES (ROLL)
ANTENNAS
WING TIE DOWNS.REMOVE
FUEL QUANT.....13 DRAINS
FUEL QUALITY
OIL.....7 QTS. MIN
PROPELLER & SPINNER
NOSE STRUT
TIRES(ROLL PLANE&CHECK)
STATIC PORT
PITOT TUBE
STALL HORN
FUEL VENT

INTERIOR

PASS. BRIEFING. S.A.F.E.T.Y
POSITIVE EXCHANGE
SEAT HEIGHT.....ADJUST
INSTRUMENT PROCEDURES
VOR CHECK.....VERIFY
HOBBS / TACH TIME
CIRCUIT BREAKERS
ALTERNATE STATIC SOURCE
BRAKES.....PEDAL TEST

START

SEAT TRACK/BACK-LOCK
AVIONICS 1 & 2.....OFF
BEACON.....ON
THROTTLE .....1/4 IN.
MIXTURE.....FULL LEAN
STBY BATT....TEST (20 SEC)/ARM
PFD.....VERIFY ON/ NO RED X'S
BUS **E** VOLTS.....24V MIN
BUS **M** VOLTS.....1.5V OR LESS
BATT **S** AMPS.....DISCHARGE
STBY BATT.....VERIFY ON
BRAKES.....SET
PROP.....CLEAR
MASTER.....ON
PRIME:
-AUX FUEL PUMP.....ON
-MIXTURE.....RICH 3-5 GPH
-MIXTURE.....FULL LEAN
-AUX FUEL PUMP.....OFF
MAGS .....START
MIXTURE.....FULL RICH
OIL PRESSURE
AVIONICS 1 & 2..... ON
AMPS (M & S)..VERIFY CHARGE
LIGHTS.....AS/REQ

PRE-TAXI

SEAT BELTS / HARNESS
FLAPS.....UP
GPS DATABASE.....CHECK
TRANSPONDER.....ALT+SQWK
ATIS / AWOS
ALTIMETER.....SET
RADIO TEST/122.85
TAXI LIGHT..... ON
INSTRMNT FLT DECK CHECK
BRAKES .....TEST(PRESSURE)

INSTRUMENT FLIGHT DECK CHECK

MAGNETIC COMPASS
-FULL/LINE VIS/DEVIATION
GPS/GPS2
-DATABASE/SELF CHECK
-RAIM.....AVAILABLE
-WAAS.....ON&AVAILABLE
-CDI.....GPS/VLOC
ANNUNCIATORS/ALERTS
FREQUENCIES.....SET
INSTRUMENTS.....NO RED X's
STBY INSTRUMENTS
-AIRSPEED..... 0 KIAS
-ATTITUDE.....W/ 5°IN 5 MIN
-ALTIMETER.....SET +/- 75FT
CLOCK.....CHECK 3 SEC

RUN-UP

AIRPLANE... PREF. INTO WIND
BRAKES.....SET
FUEL VALVE.....BOTH
TRIM & ELEC TRIM.....TAKEOFF
FLIGHT CONTROLS
ALTIMETERS:
-PFD(BARO)/STBY ALT/KAP 140
G1000 ALT SEL.....SET
KAP 140 ALT SEL.....SET
AUTOPILOT.....ENGAGE
FLGHT CNTRLS...OVERPOWER
A/P DISC BUTN.....DISENGAGE
FLIGHT DIRECTOR.....OFF
MIXTURE.....BEST POWER
THROTTLE.....1800 RPM
MAGS.....(150 MAX/50 DIF)
VACCUM.....GREEN
AMPS / VOLTS
ENGINE INSTRMNTS-GREEN
IDLE.....CHECK
THROTTLE FRICTION

PRE-TAKEOFF

FLAPS.....0°-10°
MIXTURE.....BEST POWER
AUX FUEL PUMP.....OFF
PITOT HEAT.....AS REQ.
DOORS / WINDOWS
TRANSPONDER..ALT + SQWK
HEADING BUG.....SET
LANDING LIGHT.....ON
STROBES.....ON
TIME.....NOTE
TAKEOFF BRIEFING
-RUNWAY/LENGTH/XWIND
-PIC IN EMERGENCY
-TYPE OF TAKE OFF/VR
-PLAN OF ACTION
DEPARTURE BRIEFING
-SID/ODP
ABORT PLAN
BRAKES.....RELEASE

TAKEOFF

FULL THROTTLE
HEELS ON THE FLOOR
CROSSWIND CORRECTION
AIRSPEED ALIVE.....X-CHECK
ENGINE INSTRMNTS-GREEN
ROTATE.....51 KIAS
VX.....62 KIAS/ VY.....74 KIAS
FLAPS.....UP OBSTCL CLR

CLIMB

FUEL VALVE.....BOTH
MIXTURE.....RICH
THROTTLE.....FULL OPEN
AIRSPEED.....70-85 KIAS
ENGINE INSTRMNTS-GREEN
TAXI / LAND LIGHT.....ON
FLT PLAN & CHART.....OPEN
INSTRUMENTS

CRUISE

POWER.....2000-2250 RPM
TRIM.....ADJUST
MIXTURE.....FULL RICH
INSTRUMENTS
ENGINE INSTRMNTS-GREEN
H.I. TO COMPASS

PRE-MANEUVER

A -ALTITUDE/AIRSPEED
B -BEST PLACE TO LAND
C -CHECKLIST/CLEAR TURNS
D -DECLARE
E -EXECUTE

DESCEND

ATIS / AWOS
ALTIMETER
-PFD(BARO)/STBY ALT/KAP 140
FUEL VALVE.....BOTH
MIXTURE.....FULL RICH
INSTRUMENTS
ENGINE INSTRMNTS-GREEN
H.I. TO COMPASS

APPROACH

A -ATIS
B -BUILD
B -BRIEF
C -CHECKLIST

PRE-LANDING

LANDING LIGHT..... ON
SEAT BELT / HARNESS
MIXTURE.....FULL RICH
FUEL VALVE.....BOTH
FLAPS..... AS REQ

LANDING

FLAPS..... AS REQ
SPEED.....55-65 KIAS

GO AROUND
POWER.....FULL
POSITIVE RATE CLIMB
FLAPS UP PROGRESSIVELLY

AFTER LANDING

FLAPS..... UP
STROBES..... OFF
LANDING LIGHT..... OFF
TAXI LIGHT.....ON
PITOT HEAT..... OFF
MIXTURE.....FULL RICH
TRIM.....TAKEOFF
TRANSPONDER.....VFR

SECURING

ELT .....VERIFY SILENT(121.5)
THROTTLE.....IDLE
AVIONICS/PFD.....OFF
MIXTURE.....FULL LEAN
MAGS .....OFF
MASTER.....OFF
STBY BATT.....OFF
LIGHTS.....OFF EXC. BEACON
HOBBS / TACH TIME
CONTROL LOCK.....INSTALL
CHOCKS & TIE DOWNS
FUEL QUANT.....NOTE
FLIGHT PLAN.....CLOSE

KHWO ATIS: 135.475
KHWO GND: 120.45
KHWO TWR: 132.10/134.30
KHWO TWR: 954-981-4667

WAYMAN UNICOM: 122.85
ALERT AREA: 123.45
APPRCH CNTRL: 128.6/119.45

KOPF ATIS: 125.90
KOPF GND: 120.025
KOPF TWR: 134.675

VR • ROTATION SPEED - 51
VX • BEST ANGLE CLIMB - 62
VY • BEST RATE CLIMB - 74

VSO • STALL WITH FLAPS - 40
VS • STALL W/O FLAPS -48
BEST GLIDE (2000 LBS) - 59
BEST GLIDE (FULL GROSS) -68

VA • MAX ABRUPT (2200 LBS) - 98
VA • MAX ABRUPT (FULL GROSS) - 105
VNO • MAX STRUCTURAL CRUISE - 129
VNE • NEVER EXCEED -163

VFE • 10° FLAPS EXTENDED -110
VFE • FULL FLAPS EXTENDED - 85
MAX CROSSWIND (SOP) • 13 KT
MAX PEAK GUST • 28 KT

IF ANYTHING HAPPENS BEFORE ROTATION, POWER TO IDLE AND BRAKES AS REQUIRED

IF ANYTHING HAPPENS AFTER ROTATION, MAINTAIN DIRECTIONAL CONTROL
LOOK FOR BEST PLACE TO LAND AND SECURE THE AIRCRAFT (AVOID PEOPLE)

CESSNA 172S G1000

EMERGENCY REFERENCE CHECKLIST

WAYMAN

POWER LOSS AFTER TAKEOFF

MAINTAIN AIRCRAFT CONTROL
AIRSPEED.....68 KIAS
FUEL SHUTOFF.....OFF
MIXTURE.....IDLE CUTOFF
IGNITION SWITCH.....OFF
FLAPS.....AS REQ
MASTER.....OFF
UNLATCH DOORS & PROTECT BODY

POWER LOSS IN FLIGHT

A- AIRSPEED.....BEST GLIDE(65)/TRIM
B- BEST PLACE TO LAND.....NOTE WIND
C- CHECKLIST (TROUBLESHOOT)
-FUEL VALVE.....BOTH/CHECK GAUGES
-FUEL SHUTOFF.....FULL IN
-MIXTURE.....FULL RICH
-THROTTLE..... OPEN
-FUEL PUMP.....ON
-MAGS.....CHECK BOTH/RESTART
-IF NO RESTART-
D- DECLARE
-121.5-TWR-122.85 / SQUAWK-7700
E- EXECUTE (SECURE)
-FUEL SHUTOFF.....FULL OUT
-FUEL PUMP.....OFF
-MIXTURE.....IDLE CUTOFF
-FLAPS.....DOWN
-MAGS & MASTER.....OFF
-UNLATCH DOORS & PROTECT BODY

ENGINE FIRE IN FLIGHT

MIXTURE.....IDLE CUTOFF
FUEL SHUTOFF VALVE..... OFF
MASTER SWITCH.....OFF
CABIN HEAT & AIR.....OFF
AIRSPEED TO EXTINGUISH 100-120 KT
BEST GLIDE AFTER EXTINGUISH
FORCED LANDING.....EXECUTE

AIR DATA SYST & AHRS

RED XPFD.....ADC/AHRS CB CHECK IN
STBY ALTIMETER.....SET BARO PRESS
USE STBY INSTRUMENTS

ICING

PITOT HEAT..... ON
CABIN HEAT & DEFROST..... ON
TURN BACK OR CHANGE ALTITUDE
INCREASE ENGINE SPEED
AVOID EXTENDING FLAPS
CLEAR WINDSHIELD FROM WINDOW
APPROACH WITH FORWARD SLIP
INCREASE APRCH & LANDING SPEED
LAND AS SOON AS PRACTICABLE

ENGINE FIRE DURING START

CONTINUE CRANKING ENGINE
-IF START.....RUN A FEW SECONDS 1700RPM
SHUTDOWN & INSPECT
-IF NO START.....IDLE MIXTURE CUTOFF
FUEL SELECTOR.....OFF
THROTTLE.....FULL OPEN
CONTINUE CRANKING ENGINE FEW SEC
MASTER & MAGS.....OFF
EVACUATE / FIRE EXTINGUISHER

ELECTRICAL FIRE IN FLIGHT

ELECTRICAL DEVICES & MASTER.....OFF
CLOSE VENTS, CABIN HEAT, & AIR
-IF FIRE OUT-MASTER ON IF CRITICAL
(VENTS-OPEN/MAGS-ON)
1 ESSENTIAL ELCTRL DEVICE AT A TIME
RESET CIRCUIT BREAKERS IF CRITICAL

ELECTRICAL FAILURE

EXCESSIVE RATE OF CHRG: BATT **M** OVER 40
-MASTER SWITCH.....OFF (ALT)
-ELECTRICAL LOAD.....REDUCE
-AVIONICS BUS 1; PITOT HEAT; BEACON;
LAND, TAXI, NAV & STROBE LIGHT.....OFF
-COM SELECTOR.....COM 1
-AVIONICS BUS 2.....OFF
-FLIGHT.....TERMINATE ASAP

INSUFFICIENT RATE OF CHARGE:
- MASTER SWITCH (ALT ONLY).....OFF
- ALT FIELD CIRCUIT BREAKER.....CHECK IN
- MASTER SWITCH (ALT AND BAT).....ON
- LOW VOLTS ANNUNCIATOR.....CHECK OFF
- **M** BUS VOLTS.....CHECK 27.5 V (MINIMUM)
- **M** BATT AMPS.....CHECK CHARGING (+)
-IF LOW VOLTS REMAINS ON-
-ELECTRICAL LOAD.....REDUCE
-AVIONICS BUS 1; PITOT HEAT; BEACON;
LAND, TAXI, NAV & STROBE LIGHT.....OFF
-COM SELECTOR.....COM 1
-AVIONICS BUS 2.....OFF
-FLIGHT.....TERMINATE ASAP

LOST COMMS

CHECK SQUELCH, VOLUME AND FREQ
MASTER/AVIONICS.....TROUBLESHOOT
CHECK POWER/SWITCH/BREAKER
TRY ALT FREQUENCY/RADIO
SQUAWK 7600
MAKE "IN THE BLIND" COMMS
CONTACT TOWER BY PHONE
OVERFLY PATTERN +500FT
CHECK FOR TRAFFIC
ROCK THE WINGS
PROCEED BY LIGHT GUN SIGNALS

COLOR AND TYPE OF SIGNAL	MOVEMENT OF VEHICLES, EQUIPMENT, AND PERSONNEL	AIRCRAFT ON THE GROUND	AIRCRAFT IN FLIGHT
STEADY GREEN	Cleared to cross, proceed, or go	Cleared for takeoff	Cleared to land
FLASHING GREEN	Not applicable	Cleared for taxi	Return for landing (to be followed by steady green at the proper time)
STEADY RED	Stop!	Stop!	Give way to other aircraft and continue circling
FLASHING RED	Clear the taxiway/runway	Taxi clear of the runway in use	Airport unsafe, do not land
FLASHING WHITE	Return to starting point on airport	Return to starting point on airport	Not applicable
ALTERNATING RED AND GREEN	Exercise extreme caution!	Exercise extreme caution!	Exercise extreme caution!

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