INITIAL

Weather & Den. Alt. Weight & Balance Performance Req. Flight Plan - File Papers - A.R.O.W. Fuel - Both Fuel Shutoff Valve-On (Full In) Control Lock Master - On

Flaps - Extend Pitot Heat - Test Lights - Int. / Ext. Fuel Gauges - True Low Fuel Lights Off Avionics Cooling Fan (Avionics Master On/Off) Master - Off

EXTERIOR SUMMARY

Fuel Quantity Fuel Quality Caps/Drains/Vents Engine / Oil / Belt Prop / Air Intake **Exhaust System** Stall Indicator - Test Surfaces & Controls Pitot & Static Ports Gear / Tires / Brakes Antennas Ties/Chocks/Towbar Baggage Door Final Walk Around

INTERIOR

Passenger Brief Hobbs / Tach Time Circuit Breakers Alternate Static Brakes - Pedal Test HSI/Compass-Test

START (2)

Seat Track/Back-Lock Brakes - Set Avionics - Off Fuel - Both Trim - Takeoff Autopilot - Off Throttle - 1/4" Flight Controls Mixture - Full Lean **Annunciator Lights** Brakes - Set Instruments Prop - Clear Mixture - Best Power Master - On Beacon - On 1800 RPM Aux Fuel Pump-On(1)

PRE-TAXI / TAXI

Mixture Rich - 3-5 GPH

Mixture - Full Lean

Aux Fuel Pump-Off

Mixture - Full Rich

Mags - Start

Oil Pressure

Lights - As Reg.

Mixture - As Req.

Seat Belts / Harness Flaps - Up Heat / Vent / Defrost Avionics - On / Set ATIS / AWOS Altimeter - Set XPDR - Alt + Sqwk ADS-B-On

Radio - Test Taxi Light - As Req Brakes - Test Attitude Indic.-Test

Turn Coord. - Test

RUN-UP

Mags (R&L) - Test Vacuum Amps / Volts Oil Pressure Oil Temperature Idle - (575-625 RPM) Ck Mixture-Lean to Ck (10 Min-50 Max RPM Rise) Throttle Friction

PRE-TAKEOFF

Flaps - 0°-10° Mixture - Best Power Aux Fuel Pump - Off **HSI To Compass** XPDR - Alt + Sawk Doors / Windows Landing Light - On Strobes - As Req. Time - Note Brakes - Release

Abort Plan - Ready!

TAKEOFF

Full Throttle 2300-2400 RPM Oil Pressure Rotate * 55 (63) Vv - 74 (85) Flaps - Up

CLIMB

70-85 (81-98)

Power Mixture Instruments Taxi / Land Light - Off Flight Plan - Open

CRUISE

Power Mixture Instruments

DESCENT

Mixture - Richen Fuel - Both ATIS / AWOS Altimeter - Set Instruments **HSI To Compass**

PRE-LANDING

Landing Light - On Autopilot - Off Seat Belt / Harness Mixture - Best Power Fuel - Both Flaps - As Req.

LANDING

Flaps -30° Or As Reg. Speed * 65 (75)

G.U.M.P. F. S.

AFTER LANDING

Flaps - Up Strobes - Off

> Landing Light - Off Taxi Light - As Reg. Pitot Heat - Off Mixture - As Reg. Trim - Takeoff XPDR - Alt + Sawk

SECURING

ELT - Verify Silent

Avionics - Off Mixture - Full Lean Mags - Off Master - Off Fuel - Left or Right Lights - Off Hobbs / Tach Time Control Lock Chocks

Tie Downs Pitot Cover Baggage Door Cabin Doors

Close Flight Plan

GO AROUND

Power - Full Positive Rate Climb Flaps - Retract Slowly

Adjust Speed As Needed For Conditions

110 (127) X Wind • Max Demo'd - 15 (17) Vs0 • Stall with flaps -40 (46) Va • Max Abrupt Ctrl (1900 lbs)-90 (104)Vfe • 10° Flaps -Vfe • Full Flaps -85 (98) • Stall w/o flaps -105 (121) Vr • Rotation Speed - 55 (63) Vs 48 (55) Va • Max Abrupt (Full Gross) -Vx • Best Angle Climb - 62 (71) Best Glide (1900 lbs) -59 (68) Vno • Max Structural Cruise -129 (148) Chandelles/Lazy Eights -105 (121) 95 (109) 163 (187) Vy • Best Rate Climb - 74 (85) Best Glide (Full Gross) - 68 (78) Vne • Never Exceed -Steep Turns

	KNOTS (MPH)	FLAPS °	- NOTES - (2) START Procedure Assumes SB04-24-01 Complied. (ALT Control Unit) Short Field: 10° Flaps - 56 (64) Until Clear Soft Field: 10° Flaps (1) Hot Start - Do not prime to 3-5 GPH			
DEPARTURE Rotation * Best Angle Climb Best Rate Climb	55 (63) 62 (71) 74 (85)	0 0 0				
CRUISE (TAS-8,000') Economy Normal Maximum	106 (122) 112 (129) 119 (137)	0 0 0	2400 RPM – 7.8 GPH – 54% 2500 RPM – 8.6 GPH – 61% 2600 RPM – 9.4 GPH – 68%			
ARRIVAL Approach Short Final *	75 (86) 65 (75)	10-20 30	1700 RPM (Initially) Idle-1200 RPM			

are made hereunder, including, but not limited to any warranties for fitness for particular use. The information contained herein varies according to individual aircraft, model, and year of manufacturer and while we believe the information to be accurate, no representations are made as to the degree of accuracy of the information. This information constitutes only partial information necessary to properly operate an aircraft and is not to be used as a substitute for the use of other information sources routinely used in the operation of aircraft or the acquisition of requisite training to operate aircraft. Purchaser assumes all risk of use in using this product. Purchaser consents to and understands that CheckMate Aviation Inc., or any related entity, bears no liability for the use of this product.

Specs Are Approximate Because Of Environment & Plane Model / Year Variables. Specs Are In: LBS, KIAS, Sea Level, Standard Day, Normal Category, Max, Gross Wt., Io Wind, "Lean Mixture", Wheel Pants, New Engine. () = MPH.

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VERTICAL SCALE = NAUTICAL MILES PER INCH: WAC = 14 SEC = 7 TAC = 3.5 NOS = 12 JEPP = 15 ELA = 12

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POWER LOSS IMMEDIATELY AFTER TAKEOFF / NO RESTART

MAINTAIN AIRCRAFT CONTROL

AIRSPEED - 70 KIAS (81 MPH)

(Full Gross Weight)

FUEL SHUTOFF VALVE - OFF

(Pull Full Out)

MIXTURE - FULL LEAN / IDLE CUTOFF

FLAPS - DOWN - 65 KIAS (75 MPH)

(Full Gross Weight)

MASTER & MAGS - OFF

UNLATCH DOORS

POWER LOSS IN FLIGHT

BEST GLIDE - 68 KIAS (78 MPH)

(Full Gross Weight)

NOTE WIND DIRECTION & VELOCITY

PICK LANDING SITE

FUEL SHUTOFF VALVE - ON

(Push Full In)

FUEL SELECTOR - CHECK/SWITCH/BOTH

(Note Gauges)

AUX FUEL PUMP SWITCH - ON

MIXTURE - FULL RICH

(To Restart, Lean As Reg)

MAGNETOS - CHECK ALL

MASTER - ON

IF NO RESTART & TIME PERMITS

MAINTAIN BEST GLIDE

SQUAWK 7700

DECLARE EMERGENCY (TWR, APP, Unicom, 121.5)

MIXTURE - FULL LEAN / IDLE CUTOFF

FUEL SHUTOFF VALVE - OFF (Pull Full Out)

SEATBELTS / HARNESS

FLAPS - AS NEEDED (Full Flaps When Field Assured)

MASTER & MAGS - OFF

65 KIAS (75 MPH) W / Full Flaps

UNLATCH DOORS

PROTECT BODY

ELECTRICAL FIRE IN FLIGHT

ALL ELECTRICAL DEVICES + MASTER - OFF (Mags On)

VENTS, CABIN HEAT, & AIR - CLOSED

FIRE EXTINGUISHER

IF FIRE OUT - MASTER ON ONLY IF CRITICAL (Vents - Open)

THEN ONE ESSENTIAL ELECTRICAL DEVICE AT A TIME

RESET CIRCUIT BREAKER(S) ONLY IF CRITICAL

ENGINE FIRE IN FLIGHT

MIXTURE - FULL LEAN / IDLE CUTOFF

FUEL SHUTOFF VALVE - OFF (Pull Full Out)

MASTER SWITCH - OFF

CABIN HEAT & AIR - OFF (Except Overhead Vents)

INCREASE AIRSPEED TO EXTINGUISH - LAND ASAP

ENGINE FIRE DURING START

CONTINUE CRANKING ENGINE

IF START - RUN A FEW SECONDS - SHUTDOWN - INSPECT

IF NO START - IDLE MIXTURE CUTOFF & FUEL VALVE OFF

THROTTLE FULL OPEN

CONTINUE CRANKING ENGINE A FEW SECONDS

FUEL SHUTOFF VALVE - OFF

(Pull Full Out)

MASTER & MAGS - OFF

EVACUATE / FIRE EXTINGUISHER

ICING

PITOT HEAT - ON

CABIN HEAT & DEFROST - MAXIMUM

STRONGLY CONSIDER 180° TURN

ATTAIN HIGHER OR LOWER ALTITUDE

INCREASE ENGINE SPEED

FLAPS - NOT RECOMMENDED FOR LANDING

LAND FASTER AS NEEDED

LITTLE OR NO FLARE

OTHER

AMMETER w/EXCESS RATE OF CHARGE: Alternator - Off, Pul C.B. / Nonessential Electric - Off / Terminate Flight A.S.A.P.

LOW VOLTAGE: Avionics Power Switch - Off / Alt. C.B. - In / Master - Off, then, Master - On / Ck. Volt Lt. Off / Avionics - On

If Illuminates Again: Alt. & Electric - Off / Terminate Flight A.S.A.P.

RADIO OUT: Check Circuit Breakers & VOLUME

Recycle Alternator Switch

If IFR & Still Out, Set XPDR To 7600.

(Suggested For VFR If In B, C, D Airspace.)

UNICOM:

122.7 - 122.8 - 122.95 - 123.0 - 123.05 122.9 (CTAF) 122.75, 122.85 (Air To Air)

MULTICOM: F.S.S .:

EMERGENCY:

122.000 To 122.675. Most Common - 122.2

TOWER SIGNALS	ON GROUND	IN FLIGHT	
Steady Green	Cleared For Takeoff	Cleared To Land	
Flashing Green	Cleared To Taxi	Return For Landing	
Steady Red	Stop	Yield & Continue Circling	
Flashing Red	Taxi Clear of Landing Area	Airport Unsafe - Do Not Land	
Flashing White	Return To Starting Point	N/A	
Alternating Red & Green	Use Extreme Caution	Use Extreme Caution	

				eight And Useful Load
Cessna 1/2s	SP Lyc	oming i	0-36	0-L2A (180 HP)
* Empty Weight	: [LBS	(Specific Plane Weight)
* Max. Useful Lo	oad:	95-91-11-11-1	LBS	(Including Fuel @ 6 lbs/ga
Max. Baggage	Area:	120	LBS	(Included In Useful Load,
Max. T.O. Weig	ht:	2550	LBS	Ramp Wt: 2558 LBS
Fuel Type:	100 L	L (Blue) / 1	00 (Green)
Usable Fuel:		allons		

Electrical:

Oil Capacity: 8 Quarts (Minimum 6)

24-28 VOLT / 60 AMP Tire Pressure: Nose - 45 PSI / Main - 38 PSI

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