# EXTERIOR SUMMARY

Fuel Gauges - True

Master - Off

**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 Baggage Door Final Walk Around

## INTERIOR

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

#### START

Seat Track/Back-Lock Autopilot - Off Carb Heat - Off Mixture - Full Rich Throttle - Slight Prop - Clear Master - On

#### PRE-TAXI / TAXI

Mags - Start

Oil Pressure

Lights - As Reg.

Mixture - As Reg.

Seat Belts / Harness Flaps - Up Heat / Vent / Defrost Avionics - On / Set XPDR - STBY ATIS / AWOS Altimeter - Set Radio - Test Taxi Light - As Reg. Brakes - Test Attitude Indic.-Test Turn Coord. - Test H.I./Compass-Test

#### RUN-UP

Brakes - Set Fuel - Both Trim - Takeoff Flight Controls Instruments Mixture - Best Power Primer - In & Lock

1700 RPM Mags (R&L) - Test Carb Heat - Test Vacuum Amps / Volts Oil Pressure Oil Temperature Idle - Check Closed Throttle Friction

## PRE-TAKEOFF

Flaps - 0°-10° Mixture - Best Power Carb Heat-Off Or As Reg. H.I. To Compass Doors / Windows XPDR - Alt + Sqwk Landing Light - On Strobes - As Reg. Time - Note Brakes - Release

Abort Plan - Ready!

#### **TAKEOFF**

**Full Throttle** 2300 RPM (Min) Oil Pressure Rotate \* 55 (63) Vy - 78 (90) Flaps - Up

#### **CLIMB**

70-78 (80-90) Power Mixture Instruments Taxi / Land Light - Off Flight Plan - Open

#### CRUISE

Power Mixture Instruments H.I. To Compass

#### DESCENT

Mixture - Richen Fuel - Both Carb Heat-As Req. ATIS / AWOS Altimeter - Set Instruments H.I. To Compass

#### PRE-LANDING

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

## LANDING

Flaps -40° Or As Req. Speed \* 60 (69)

G.U.M.P.E.S.

Power - Full Carb Heat - Off Positive Rate Climb Flaps - Retract Slowly

### AFTER LANDING

Flaps - Up Carb Heat - Off Strobes - Off Landing Light - Off Taxi Light - As Req. Pitot Heat - Off Mixture - As Rea. Trim - Takeoff XPDR - STBY

#### SECURING

ELT - Verify Silent Avionics - Off Mixture - Full Lean Mags - Off Master - Off Fuel - Left or Right Lights - Off Hobbs / TachTime Control Lock Chocks Tie Downs **Pitot Cover** Baggage Door Cabin Doors

Close Flight Plan

## **GO AROUND**

Adjust Speed As Needed For Conditions

Vs. • Stall with flaps - 41 (47) Best Glide (1976) (2000 lbs) - 61 (70) Vno • Max Struct. Cruise-128 (147) X Wind • Max Demo'd - 15 (17) Vs • Stall without flaps - 47 (54) Best Glide (1976) (Full Gross) - 65 (75) Vfe • Flaps Extended - 85 (98) Vr • Rotation Speed - 55 (63) Best Glide (2000 lbs) - 65 (75) Va • Max Abrupt Ctrl (2000 lbs) - 90 (104) Vne • Never Exceed - 160 (184) Vx • Best Angle Climb - 64 (74) VV • Best Rate Climb - 78 (90) Best Glide (Full Gross) - 70 (80) Va • Max Abrupt (Full Gross) - 97 (112)

best face climb					
	KNOTS (MF	PH) FLAPS °	– NOTES –		
DEPARTURE Rotation * Best Angle Climb Best Rate Climb	55 (63 64 (74 78 (90	<b>4)</b> 0	172M – Speeds May Vary Slightly Depending On Year.(IAS & CAS) Short Field w/Obstacle: 0º Flaps. Climb <b>59 (68)</b> Until Clear. Short w/o Obstacle or Soft Field: 10º Flaps.		
CRUISE (TAS-5,000') Economy Normal Maximum	99 (114 108 (124 117 (135	4) 0	2300 RPM – 6.4 GPH – 54% 2450 RPM – 7.1 GPH – 63% 2625 RPM – 8.3 GPH – 75%		
ARRIVAL Approach Short Final *	70 (8° 60 (69		1700 RPM <i>(Initially)</i> Idle-1200 RPM		

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Specs Are Approximate Because Of Environment & Plane Model / Year Variables. Specs Are In: LBS, KIAS, Sea Level, Standard Day, Normal Category, Max, Gross Wt., No Wind, "Best Power", Wheel Pants, New Engine. () = MPH (C) ALL RIGHTS RESERVED (Ver 7.61) CheckMate Aviation Inc. 1992-2012, 800-359-3741

# **POWER LOSS IMMEDIATELY** AFTER TAKEOFF / NO RESTART

MAINTAIN AIRCRAFT CONTROL

BEST GLIDE - 70 KIAS (80 MPH) (Full Gross Weight)

BEST GLIDE (1976) - 65 KIAS (75 MPH) (Full Gross Weight)

**FUEL SELECTOR - OFF** 

MIXTURE - FULL LEAN / IDLE CUTOFF

FLAPS - DOWN

MASTER & MAGS - OFF

(Unlatch Doors)

# POWER LOSS IN FLIGHT

BEST GLIDE - 70 KIAS (80 MPH) (Full Gross Weight) BEST GLIDE (1976) - 65 KIAS (75 MPH) (Full Gross Weight)

CARB HEAT - ON

(Also Supplies Alternate Air)

**NOTE WIND DIRECTION & VELOCITY** 

PICK LANDING SITE

FUEL SELECTOR - CHECK/SWITCH/BOTH

(Note Gauges)

MIXTURE - FULL RICH **FUEL PRIMER - LOCKED** 

(Try Re-Priming)

**MAGNETOS - CHECK ALL** 

MASTER - ON

# IF NO RESTART & TIME PERMITS

MAINTAIN BEST GLIDE

SQUAWK 7700

**DECLARE EMERGENCY** 

(TWR, APP, Unicom, 121.5)

FUEL SELECTOR - OFF

MIXTURE - FULL LEAN / IDLE CUTOFF

SEATBELTS / HARNESS

FLAPS - AS NEEDED

(Full Flaps When Field Assured)

MASTER & MAGS - OFF

**UNLATCH DOORS** 

PROTECT BODY

# ELECTRICAL FIRE IN FLIGHT

ALL ELECTRICAL DEVICES + MASTER - OFF (Mags On) **CLOSE VENTS, CABIN HEAT, & AIR** IF FIRE OUT - MASTER ON ONLY IF CRITICAL (Vents-Open) THEN ONE ESSENTIAL ELECTRICAL DEVICE AT A TIME

# **ENGINE FIRE IN FLIGHT**

MIXTURE - FULL LEAN / IDLE CUTOFF

RESET CIRCUIT BREAKERS ONLY IF CRITICAL

**FUEL SELECTOR - OFF** 

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 SELECTOR OFF

THROTTLE FULL OPEN

CONTINUE CRANKING ENGINE A FEW SECONDS

MASTER & MAGS - OFF

**EVACUATE / FIRE EXTINGUISHER** 

## ICING

PITOT HEAT - ON

**CARB HEAT - ON OR AS REQUIRED** 

**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

# **OTHER**

EXCESSIVE RATE OF CHARGE: Over Voltage Warning Light Will Illuminate If Reaches Approx. 16 Volts. To Reactivate, Turn Both Sides Of The Master Switch Off / Then On Again. If Light Comes On Again, Terminate Flight A.S.A.P.

INSUFFICIENT RATE OF CHARGE: Nonessential Electric - Off / Terminate Flight A.S.A.P.

RADIO OUT:

Check Circuit Breakers & VOLUMF **Recycle Alternator Switch** If IFR & Still Out, Set XPDR To 7600. (Suggested For VFR If In B, C, D Airspace.)

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

FLIGHT WATCH: 122.0

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	

* <u>Every Plane</u> Has Cessna 17	A Different Empty Weight And Usefi 2 M (Lycoming: 0-320-E2D, 150HP)	ul Load
* Empty Weight * Max. Useful Lo Max. Baggage Max. T.O. Weig	Dad: LBS (Including Fuel @ Area: 120 LBS (Included In Usef	6 lbs/gal)
Fuel Type:	100 LL (Blue) / 100 (Green) / 8	0 (Red)

Usable Fuel: 38 Gallons (48 L.R Tanks)

Oil Capacity: 8 Quarts (Minimum 6) Electrical:

12-14 VOLT / 60 AMP Tire Pressure: Nose-31 PSI / Main - 29 PSI (5.00 x 5)

Tire Pressure: Nose-26 PSI / Main - 29 PSI (6.00 x 6)

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