

N7321G EMERGENCY CHECKLIST

ENGINE FIRE DURING START

If Engine Starts...

Power 1700 RPM MOMENTARILY
Throttle CLOSE
Mixture IDLE CUT OFF
Fuel Selector OFF
Ignition Switch OFF
Master Switch OFF
EXIT AIRPLANE

If Engine Does NOT Start...

Ignition Switch KEEP CRANKING
Mixture IDLE CUT OFF
Throttle OPEN
Fuel Selector OFF
Ignition Switch OFF
Master Switch OFF
EXIT AIRPLANE

ENGINE FAILURE DURING FLIGHT

Trim ~65-70KTS / 75-80 MPH

Landing Site LOCATE
Fuel Selector TRY BOTH / L / R
Primer IN & LOCKED
Mixture RICH
Carburetor Heat ON
Ignition Switch START

If Engine Does NOT Start...

Transponder 7700
Radio - 121.50 "MAYDAY/
CURRENT POSITION"
Fuel Selector OFF
Mixture IDLE/CUT OFF
Ignition Switch OFF
Flaps AS DESIRED
Master Switch OFF
Doors AJAR

ROUGH ENGINE/LOSS OF POWER

POSSIBLE CARBUERTOR ICING

Carburetor Heat ON
Mixture LEAN SLIGHTLY
***ENGINE MAY BRIEFLY LOSE
RPM THEN IMPROVE***

If Problem Resolved...

Throttle RE-ADJUST
Carburetor Heat OFF
Mixture ENRICH/ADJUST

POSSIBLE SPARK PLUG FOULING

Mixture ADJUST
Ignition Switch TURN TO "L" OR "R"

CONTINUED

CONT'D FROM LAST COLUMN

POSSIBLE FUEL ISSUE

Fuel Selector TRY BOTH / L / R
Primer IN & LOCKED
Mixture ADJUST

ENGINE FIRE DURING FLIGHT

Mixture IDLE/CUT OFF
Fuel Selector OFF
Ignition Switch OFF
Cabin Vents CLOSED
ATC NOTIFY
Master Switch OFF
Airspeed INCREASE
(to extinguish flames)

Side Slip to Landing Site
Doors AJAR

LOW OIL PRESSURE

Oil Temperature CHECK

If Normal (Green Arc)...

LAND TO INSPECT ASAP

If Abnormal (High)...

Expect Immediate Engine Failure

ATC NOTIFY
Engine Power REDUCE
Landing Site SELECT
Doors AJAR

ELECTRICAL MALFUNCTIONS

Ammeter - HIGH Rate of Charge

**A SHORT CIRCUIT MAY BE
OVERLOADING THE SYSTEM
Alternator Master Switch OFF
Nonessential Equipment OFF
Terminate Flight ASAP

Ammeter - DISCHARGE

Alternator Circuit Breaker CHECK
Avionics OFF
Master Switch CYCLE OFF/ON

If DISCHARGE Continues...

Nonessential Equipment OFF
Terminate Flight ASAP

Popped Circuit Breaker

Cool 2-5 mins RESET

EMERGENCY TELEPHONE #S

GENERAL EMERGENCY: CALL 911
Greenville Tower 864-271-2033
Michael Chang 864-704-8757
Jack Nelson 864-313-5658
Max Mittelstaedt 864-387-9671
Sara Benson 704-441-6163

ATC LIGHT SIGNALS

	GROUND	FLIGHT
Steady Green	Clear to T/O	Clear to Land
Flashing Green	Clear to Taxi	Return to Land
Steady Red	STOP	Give Way
Flashing Red	Taxi Clr. Rwy	Airport Unsafe
Flashing White	Return to Start	N/A
Alt. Red/Green	Caution	Caution

V SPEEDS

V_{S0} 45 KTS / 52 MPH
V_{S1} 51 KTS / 59 MPH
V_R 53 KTS / 60 MPH
V_X 60 KTS / 68 MPH
V_Y 72 KTS / 82 MPH
Cruise Climb 74 KTS / 85 MPH
V_{FE} 87 KTS / 100 MPH
V_A (Max Gross) 105 KTS / 122 MPH
V_{NO} 120 KTS / 140 MPH
V_{NE} 150 KTS / 174 MPH

V_{GLIDE} (Max Gross) ~65 KTS / 75 MPH

ICAO FLIGHT PLANS

- Type
- Aircraft ID
- Aircraft Type / Equipment (M20P/A)
- True Airspeed
- Departure Point
- Departure Time
- Cruising Altitude
- Route
- Destination
- Est. Time Enroute
- Remarks
- Fuel Onboard
- Alternate
- Pilot's Name
- Number Onboard
- Color
- Destination Contact Phone #

AIRCRAFT INFO

Tire Pressure
NOSE 26 PSI
MAIN GEAR 24 PSI
Total Fuel 42 GALLONS
USABLE FUEL 38 GALLONS
Oil Capacity 8 QUARTS
Max Gross Takeoff Weight 2300 LBS
Max Baggage 120 LBS

MISCELLANEOUS INFO

GPS Updates FOR IFR – 28 DAYS
VFR Sectional Charts 56 DAYS
IFR Enroute Charts 56 DAYS
IFR Approach Book 56 DAYS

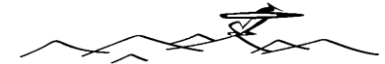
PERFORMANCE CHARTS

***BE AWARE THE NUMBERS ARE IN
STATUTE MILES AND MPH***

ALT.	RPM	% BHP	TAS MPH	GAL / HOUR	3B GAL (NO RESERVE)	
					ENDR. HOURS	RANGE MILES
2500	2700	86	134	9.7	3.9	525
	2600	79	129	8.6	4.4	570
	2500	72	123	7.8	4.9	600
	2400	65	117	7.2	5.3	620
	2300	58	111	6.7	5.7	630
2200	52	103	6.3	6.1	625	
5000	2700	82	134	9.0	4.2	565
	2600	75	128	8.1	4.7	600
	2500	68	122	7.4	5.1	625
	2400	61	116	6.9	5.5	635
	2300	55	108	6.5	5.9	635
2200	49	100	6.0	6.3	630	
7500	2700	78	133	8.4	4.5	600
	2600	71	127	7.7	4.9	625
	2500	64	121	7.1	5.3	645
	2400	58	113	6.7	5.7	645
	2300	52	105	6.2	6.1	640
10,000	2650	70	129	7.6	5.0	640
	2600	67	125	7.3	5.2	650
	2500	61	118	6.9	5.5	655
	2400	55	110	6.4	5.9	650
	2300	49	100	6.0	6.3	635

CONVERSIONS

KNOTS ≈ MPH x 0.869
NM ≈ STATUTE MILES x 0.869
1 STATUTE MILE = 5280 FEET
1 GAL 100LL FUEL ≈ 6 LBS
1 QT 20W50 OIL ≈ 1.875 LBS
°C = (°F - 32) x 5/9
°F = (°C x 9/5) + 32



FLIGHT SCHOOL
of
Greenville