

N255HP EMERGENCY CHECKLIST

ENGINE FIRE DURING START

If Engine Starts...

Power 1700RPM FOR FEW MINT
 Throttle CLOSE
 Mixture IDLE CUT OFF
 Fuel shut off valve OFF(Pull full out)
 Auxiliary Fuel Pump OFF
 Ignition Switch OFF
 Master Switch OFF
 EXIT AIRPLANE

If Engine Does NOT Start...

Ignition Switch CONTINUE
 CRANKING
 Mixture IDLE CUT OFF
 Throttle OPEN
 Fuel shut off valve OFF(Pull full out)
 Auxiliary Fuel Pump OFF
 Ignition Switch OFF
 Master Switch OFF
 EXIT AIRPLANE

ENGINE FAILURE DURING FLIGHT

Trim **65 KIAS**
 Landing Site LOCATE
 Fuel Selector BOTH
 Fuel shut off valve ON (Push full in)
 Mixture RICH
 Auxiliary Fuel Pump ON
 Ignition Switch START

If Engine Does NOT Start...

Transponder 7700
 Radio - 121.50 "MAYDAY/
 CURRENT POSITION"
 Fuel shut off valve OFF(Pull full out)
 Auxiliary Fuel Pump OFF
 Mixture IDLE/CUT OFF
 Ignition Switch OFF
 Flaps AS DESIRED
 Master Switch OFF
 Doors AJAR

ROUGH ENGINE/LOSS OF POWER

POSSIBLE SPARK PLUG FOULING

Ignition Switch TURN TO "L" OR
 "R" POSITION
 Mixture LEAN AS DESIRED
 Try Both position, see if problem
 resolved

ENGINE FIRE DURING FLIGHT

Mixture IDLE/CUT OFF
 Fuel Selector OFF(PULL OUT)
 Auxiliary Fuel Pump OFF
 Ignition Switch OFF
 Cabin Vents CLOSED/OFF
 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)

Suspect Immediate Engine Failure

Engine Power REDUCE
 Landing Site SELECT
 Doors AJAR

ELECTRICAL MALFUNCTIONS

Ammeter - HIGH Rate of Charge

Over-Voltage Light Illuminates
 Alternator OFF
 Alternator ON
 Over-Voltage Light Illuminates
 TERMINATE FLIGHT

Ammeter - LOW Rate of Charge

Non-essential electrical equipment OFF
 Flight TERMINATE
 (at nearest Airport)

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

Vr 55

Vx 2450 lbs 60
 Vy 2450 lbs. 79
 Normal Climb 70 - 85
 Vso 33
 Vs 44
 Vfe 0-10 110
 Vfe 10-30 85
 Va (Max Gross) 99
 Vno 129
 Vne 163
Vglide(full gross)65
 Max Demo X-Wind ~15

PIREPS

- 1 Cloud Ceilings or Tops
- 2 Precipitation / Icing
- 3 Turbulence
- 4 Visibility
- 5 Temperature

FAA FLIGHT PLANS

- 1 Type
- 2 Aircraft ID
- 3 Aircraft Type / Equipment (M20P/A)
- 4 True Airspeed
- 5 Departure Point
- 6 Departure Time
- 7 Cruising Altitude
- 8 Route
- 9 Destination
- 10 Est. Time Enroute
- 11 Remarks
- 12 Fuel Onboard
- 13 Alternate
- 14 Pilot's Name
- 15 Number Onboard
- 16 Color
- 17 Destination Contact Phone #

AIRCRAFT INFO

Tire Pressure
 NOSE 45 PSI
 MAIN GEAR 38 PSI
 Total Fuel 56 GALLONS
USABLE FUEL 53 GALLONS
 Oil Capacity 8 QUARTS

Max Gross Takeoff Weight 2550 LBS
 Max Baggage 120 LBS

MISCELLANEOUS INFO

GPS Updates FOR IFR – 28 DAYS
 VFR Sectional Charts 6 MONTHS
 IFR Enroute Charts 56 DAYS
 IFR Approach Book 56 DAYS

PERFORMANCE CHARTS

2,000' MSL					
RPM	%HP	G/HR	TAS	END	RNG
2200	74	8.5	115	5.4	595
2100	65	7.5	110	6.2	655
2000	58	6.6	104	7.0	690
4,000' MSL					
RPM	%HP	G/HR	TAS	END	RNG
2300	79	9.1	117	4.9	570
2200	70	8.1	111	5.5	625
2100	62	7.1	105	6.5	675
6,000' MSL					
RPM	%HP	G/HR	TAS	END	RNG
2300	75	8.6	117	5.2	600
2250	71	8.1	114	5.5	625
2200	67	7.7	111	6.1	650
8,000' MSL					
RPM	%HP	G/HR	TAS	END	RNG
2300	71	8.2	116	5.5	625
2200	64	7.3	110	6.1	660
2100	57	6.6	102	6.9	705
10,000 MSL					
RPM	%HP	G/HR	TAS	END	RNG
2300	68	7.8	115	5.6	645
2200	61	7.0	108	6.4	680
2100	55	6.4	100	7.4	715



FLIGHT SCHOOL
 of
 Greenville