

N7434W EMERGENCY CHECKLIST

ENGINE FIRE DURING START

If Engine Starts...

Power 1800 RPM MOMENTARILY
Throttle CLOSE
Mixture IDLE/CUT OFF
Auxiliary Fuel Pump 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
Auxiliary Fuel Pump OFF
Fuel Selector OFF
Ignition Switch OFF
Master Switch OFF

EXIT AIRPLANE

ENGINE FAILURE DURING FLIGHT

Trim ~71 KTS / 82 MPH
Landing Site LOCATE
Auxiliary Fuel Pump ON
Fuel Selector SWITCH TANKS
Mixture RICH
Carburetor Heat ON
Primer IN & LOCKED
Ignition Switch START

If Engine Does NOT Start...

Transponder 7700
Radio - 121.50 "MAYDAY"/
CURRENT POSITION

Auxiliary Fuel Pump OFF
Fuel Selector OFF
Mixture IDLE/CUT OFF
Ignition Switch OFF
Flaps AS DESIRED
Master Switch OFF
Door AJAR

ROUGH ENGINE/LOSS OF POWER

POSSIBLE CARBURETOR 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

CONTINUED

CONT'D FROM LAST COLUMN

POSSIBLE SPARK PLUG FOULING

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

POSSIBLE FUEL ISSUE

Auxiliary Fuel Pump ON
Fuel Selector SWITCH TANKS
Primer IN & LOCKED
Mixture ADJUST

ENGINE FIRE DURING FLIGHT

Mixture IDLE/CUT OFF
Fuel Selector OFF
Auxiliary Fuel Pump OFF
Ignition Switch OFF
Airspeed INCREASE (to extinguish flames)
Cabin Vents CONSIDER
ATC NOTIFY
Master Switch OFF
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
Door AJAR

ELECTRICAL MALFUNCTIONS

Load Meter - HIGH Amperage

***A SHORT CIRCUIT MAY BE

OVERLOADING THE SYSTEM

Terminate Flight ASAP

Load Meter - Zero Amperage

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

If Load Meter Still Reads Zero...

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

CONTINUED

CONT'D FROM OTHER SIDE

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_{SO} 50KTS / 57 MPH
V_{S1} 58 KTS / 67 MPH
V_R 52 KTS / 60 MPH
V_X 64 KTS / 74 MPH
V_Y 74 KTS / 85 MPH
Cruise Climb 87 KTS / 100 MPH
V_{FE} 100 KTS / 115 MPH
V_A (Max Gross) 111 KTS / 129 MPH
V_{NO} 121 KTS / 140 MPH
V_{NE} 148 KTS / 171 MPH

V_{GLIDE} (2400 lbs) ~71KTS / 82 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's Contact Phone #

AIRCRAFT INFO

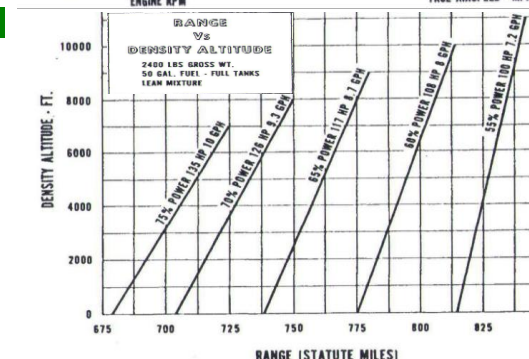
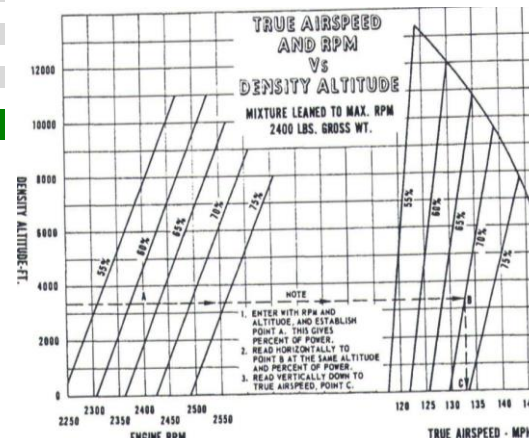
Tire Pressure (ALL) 24 PSI
Total Fuel 50 GALLONS
USABLE FUEL 49.7 GALLONS
Oil Capacity 8 QUARTS
Max Gross Takeoff Weight 2400 LBS
Max Baggage 200 LBS

MISCELLANEOUS INFO

GPS Updates FOR IFR - 28 DAYS
VFR Sectional Charts 56 DAYS
IFR Enroute Charts & TPPs 56 DAYS

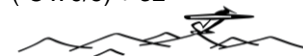
PERFORMANCE CHARTS

NOTE: #s are in statute miles & MPH



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