

N4650D EMERGENCY CHECKLIST

Best Glide 65

ENGINE FIRE DURING START

If Engine Starts...

Throttle OPEN (momentarily)
 Throttle CLOSE
 Mixture IDLE CUT OFF
 Ignition Switch OFF
 Master Switch OFF
 EXIT AIRPLANE

If Engine Does NOT Start...

Ignition Switch CONTINUE
 CRANKING
 Mixture IDLE CUT OFF
 Throttle OPEN
 Ignition Switch OFF
 Master Switch OFF
 EXIT AIRPLANE

ENGINE FAILURE DURING FLIGHT

Trim **65 MPH**
 Landing Site LOCATE
 Fuel Selector ON
 Mixture RICH
 Carburetor Heat ON
 Ignition Switch START
 Primer IN/LOCKED

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 CARBURETOR ICING

Carburetor Heat ON

If Problem Resolved

Throttle RE-ADJUST
 Carburetor Heat OFF

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
 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
 MASTER SWITCH OFF

Master Switch 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 41
 Vx 2300 lbs 59
 Vy 2300 lbs. 73
 Normal Climb 70 - 85
 Vso 41
 Vs 47
 Vfe 0 - 10 110
 Vfe 10 - 40 85
 Va (Max Gross) 97
 Va (1,950 lbs) 89
 Vno 128
 Vne 160

Vglide 65

Max Demo X-Wind ~15

Max Window Open ~160

Recommended Entry Speed for
 Chandelle/Lazy 8's 105
 Steep Turns 95

PIREPS

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

AIRCRAFT INFO

Tire Pressure
 NOSE 31 PSI
 MAIN GEAR 29 PSI
 Total Fuel 43 GALLONS
USABLE FUEL 40 GALLONS
 Oil Capacity 4 - 6 QUARTS
 Max Gross Takeoff Weight 2300 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

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 #

PERFORMANCE CHARTS

2,000' MSL

RPM	%HP	G/HR	TAS	END	RNG
2500	75	8.4	116	4.7	552
2400	67	7.5	111	5.3	591
2300	60	6.7	105	5.9	626

4,000' MSL

RPM	%HP	G/HR	TAS	END	RNG
2500	71	8.0	115	5.0	575
2400	64	7.1	110	5.6	616
2300	57	6.4	105	6.2	656

6,000' MSL

RPM	%HP	G/HR	TAS	END	RNG
2500	67	7.6	115	5.2	598
2400	60	6.8	109	5.8	641
2300	54	6.2	104	6.4	670

8,000' MSL

RPM	%HP	G/HR	TAS	END	RNG
2500	64	7.2	114	5.5	633
2400	58	6.5	109	6.1	670
2300	52	6.0	103	6.6	686

10,000 MSL

RPM	%HP	G/HR	TAS	END	RNG
2500	61	6.8	114	5.8	670
2400	55	6.2	108	6.4	696
2300	50	5.8	102	6.8	703



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