

# N4650D EMERGENCY CHECKLIST

## 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 - 80  
 Vso 41  
 Vs 47  
 Vfe 85  
 Va (Max Gross) 97  
 Vno 128  
 Vne 160  
**Vglide 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 31 PSI  
 MAIN GEAR 29 PSI  
 Total Fuel 43 GALLONS

## USABLE FUEL 40 GALLONS

Oil Capacity 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

## 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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