

## N172JD EMERGENCY CHECKLIST

### ENGINE FIRE DURING START

1. Continue cranking to draw flames and excess fuel into engine

### IF ENGINE STARTS

1. Power 1700 for a few minutes
2. Engine Shutdown and Inspect

### IF ENGINE FAILS TO START

1. Magnetos Continue Cranking
2. Throttle Full Open
3. Mixture Idle Cutoff
4. Fuel Selector Off
5. Fire Extinguisher Activate
6. Magnetos Off
7. Master Switch Off
8. Aircraft Evacuate
9. Fire Damage Inspect

### ENGINE FAILURE DURING TAKEOFF ROLL

1. Throttle Idle
2. Brakes Apply
3. Flaps Retract
4. Mixture Idle Cutoff
5. Magnetos Off
6. Master Switch Off

### ENGINE FAILURE AFTER TAKEOFF

1. Airspeed Best Glide
2. Mixture Idle Cutoff
3. Fuel Selector Off
4. Magnetos Off
5. Flaps As Needed
6. Master Switch Off
7. Doors Unlatch
8. Land Ahead +/- 30° L/R

### ENGINE FAILURE DURING FLIGHT

#### RESTART

1. Airspeed Best Glide
2. Carburetor Heat On
3. Fuel Selector Both
4. Mixture Full Rich
5. Magnetos Both  
\*Crank to start if propeller has stopped

#### FORCED LANDING WITHOUT ENGINE

1. Airspeed Best Glide
2. Mixture Idle Cutoff
3. Fuel Selector Off
4. Flaps Recommended Full
5. Master Switch Off
6. Cabin Doors Unlatch
7. Touchdown Slightly Tail Low
8. Brakes Apply Heavily

#### PRECAUTIONARY LANDING WITHOUT POWER

1. Seats Upright
2. Seats and Seatbelts Secure
3. Airspeed Best Glide
4. Flaps 20°
5. Select Field Fly Over and Inspect
6. Avionics/Electrical Equipment Off
7. Flaps 30° on Final
8. Master Switch Off
9. Cabin Doors Unlatch
10. Touchdown Slightly Tail Low
11. Magnetos Off
12. Brakes Apply Heavily

### ENGINE FIRE IN FLIGHT

1. Mixture Idle
2. Fuel Selector Off
3. Master Switch Off
4. Cabin Heat/Air Off
5. Airspeed 100 KIAS  
\*If fire does not extinguish increase glide speed
6. Forced Landing Checklist

### ELECTRICAL FIRE IN FLIGHT

1. Master Switch Off
2. Vents/Cabin Heat/Air Closed
3. Fire Extinguisher Activate

#### Warning

After discharging fire extinguisher and confirming fire is out, ventilate cabin

4. Avionics/Electrical Switches Off
5. Vents/Cabin Heat/Air Open  
\*If fire is out and electrical power is required to land
6. Master Switch On
7. Circuit Breakers Check for Fault  
Do Not Reset
8. Radio Switches Off
9. EFIS Switch On
10. Radio/Electrical Switches On  
\*One at a time, with delay until fault is located

## CABIN FIRE

- |                         |          |
|-------------------------|----------|
| 1. Master Switch        | Off      |
| 2. Vents+Cabin Heat/Air | Closed   |
| 3. Fire Extinguisher    | Activate |

### Warning

After discharging fire extinguisher and confirming fire is out, ventilate cabin

- |   |      |
|---|------|
| 4. Vents+Cabin Heat/Air                 | Open |
| 5. Land as soon as possible and inspect |      |

## WING FIRE

1. Landing/Taxi Lights off
2. Navigation Lights Off
3. Strobes Off
4. Pitot Heat Off

\*Perform a sideslip to keep flames away from Cabin. Land as soon as possible

## ICING

- |   |                 |
|---|-----------------|
| 1. Pitot Heat   | On              |
| 2. Turn back or change altitude to non-icing conditions |                 |
| 3. Cabin Heat   | Pull On         |
| 4. Land as soon as practical                            |                 |
| 5. Flaps  | Leave Retracted |
| 6. Open window and scrape ice if able                   |                 |

## DITCHING

- |                  |                      |
|------------------|----------------------|
| 1. Radio         | Mayday call on 121.5 |
| 2. Transponder   | Squawk 7700          |
| 3. Heavy Objects | Secure               |
| 4. Seatbacks     | Upright              |
| 5. Seatbelts     | Secure               |
| 6. Flaps         | 20-30°               |
| 7. Cabin Doors   | Unlatch              |
| 8. ELT           | Activate             |

## EXCESSIVE MAGNETO DROP

### \*Max Attempts-2

- |                                |                    |
|--------------------------------|--------------------|
| 1. Magnetos                    | Both               |
| 2. 2000 RPM                    |                    |
| 3. Lean                        | Peak EGT           |
| 4. Run                         | 30-45 seconds      |
| 5. 1700 RPM                    |                    |
| 6. Mixture                     | Richen             |
| 7. Perform Magneto Check Again |                    |
| 8. EGT                         | Check Uniform Rise |

**NOTE: THIS CHECKLIST IS A GUIDE TO COORDINATE PILOT OPERATING HANDBOOK AND STC DATA APPLICABLE TO THIS PARTICULAR AIRCRAFT ONLY. THE APPLICABLE PILOT OPERATING HANDBOOK AND STC INSTALLATIONS REMAIN THE OFFICIAL DOCUMENTATION FOR THIS AIRCRAFT.**

**THE PILOT IN COMMAND IS RESPONSIBLE FOR COMPLYING WITH ALL ITEMS IN THE PILOT OPERATING HANDBOOK AND APPLICABLE STCS**

**PROPERTY OF BLACK HOUND AVIATION.**

**DO NOT REMOVE FROM N172JD**

BlackHoundAviation.com



BLACK HOUND AVIATION

FLIGHT TRAINING & RENTALS