



## N172DP EMERGENCY CHECKLIST



ENGINE FIRE DURING START	
If Engine Starts...	
CONTINUE CRANKING	
Throttle	1700 RPM 3-4 minutes
Mixture	IDLE CUTOFF
Ignition	OFF
Master	OFF
EXIT AIRPLANE	
If Engine Does NOT Start...	
CONTINUE CRANKING	
Throttle	FULL OPEN
Mixture	IDLE CUTOFF
Master	OFF
Ignition	OFF
Fuel Selector	OFF
EXTINGUISH FIRE/EXIT AIRPLANE	
IN-FLIGHT FIRE	
Engine Fire	
Mixture	IDLE CUTOFF
Fuel Selector	OFF
Master	OFF
Cabin Heat/Air	OFF
Airspeed	105 KIAS OR HIGHER
EXECUTE FORCED LANDING	
Electrical Fire	
Master	OFF
All Other Electrical Switches	OFF
Ignition	ON
Cabin Heat/Air/Vents	CLOSED
Fire Extinguisher	ACTIVATE
Cabin Heat/Air/Vents	OPEN
IF ELECTRICAL POWER IS NEEDED FOR REMAINDER OF FLIGHT, TURN ON MASTER AND AVIONICS ONE BY ONE AS NECESSARY UNTIL SHORT CIRCUIT IS LOCALIZED	
LOW OIL PRESSURE	
Oil Temp	CHECK
If Normal...	
LAND TO INSPECT ASAP	
If Abnormal...	
Assume Imminent Engine Failure	
EXECUTE EMERGENCY/FORCED LANDING	
ENGINE FAILURE	
Trim for V <sub>G</sub>	75 KIAS
Landing Site	LOCATE
Fuel Selector	BOTH
Mixture	RICH
Carb Heat	ON
Primer	IN AND LOCKED
Ignition Switch	START

If Engine Fails to Restart...	
Transponder	7700
Coms	121.5 MAYDAY
Fuel Selector	OFF
Mixture	IDLE CUTOFF
Landing Gear	DOWN (Up if rough terrain)
Ignition	OFF
Doors	AJAR
Master	OFF
EXECUTE FORCED LANDING EXIT AIRPLANE	
ROUGH ENGINE/POWER LOSS	
Possible Carb Ice	
Carb Heat	ON
If Resolved...	
Throttle	ADJUST
Carb Heat	OFF
Possible Fouled Spark Plugs	
Ignition	L or R
Mixture	LEAN
Ignition	BOTH
LANDING GEAR MALFUNCTIONS	
Landing Gear Fails to Retract	
Master	ON
Landing Gear Lever	CHECK/UP
Gear/Pump Circuit Breakers	IN
Gear Up Light	CHECK
Landing Gear Lever	RECYCLE
Gear Motor (Ammeter/Noise)	CHECK
Landing Gear Fails to Extend	
Master	ON
Landing Gear Lever	DOWN
Gear/Pump Circuit Breakers	IN
Emergency Hand Pump	EXTEND and PUMP (~35 cycles)
Gear Down Light	ON
Pump Handle	STOW
Gear Up Landing	
Landing Gear Lever	UP
Gear/Pump Circuit Breakers	IN
Runway	SELECT BEST
Flaps	30° ON FINAL
Airspeed	65 KIAS
Doors	AJAR
Avionics	OFF
Master	OFF
Touchdown	TAIL LOW
Mixture	IDLE CUTOFF
Ignition	OFF
Fuel Selector	OFF
EVACUATE AIRPLANE ASAP	



## N172DP HELPFUL INFORMATION



LANDING GEAR MALFUNCTIONS (Cont.)	
Landing W/O Positive Gear Down	
Before Landing Checklist	COMPLETE
Approach	NORMAL
Gear/Pump Circuit Breakers	IN
Touchdown	TAIL LOW
Braking	MINIMUM
Taxi	SLOW
Landing With Defective Nose Gear	
Moveable Load	TRANSFER TO BAGGAGE
Passenger	MOVE TO REAR SEAT
Before Landing Checklist	COMPLETE
Flaps	30° ON FINAL
Doors	AJAR
Avionics	OFF
Master	OFF
Touchdown	TAIL LOW
Mixture	IDLE CUTOFF
Ignition	OFF
Fuel Selector	OFF
Elevator	HOLD NOSE OFF
Landing With a Flat Main Tire	
Approach	NORMAL
Touchdown	GOOD TIRE FIRST
V SPEEDS (kts)	
V <sub>R</sub>	55
V <sub>X</sub>	67
V <sub>Y</sub>	84
Normal Climb	85-95
V <sub>LO</sub>	140
V <sub>LE</sub>	164
V <sub>SO</sub>	42
V <sub>S1</sub>	50
V <sub>FE 0-10°</sub>	130
V <sub>FE 10-40°</sub>	100
V <sub>A Max Gross</sub>	106
V <sub>NO</sub>	145
V <sub>NE</sub>	164
V <sub>G</sub>	75
Max Window Open	164
Max Demonstrated X-Wind	15
AIRCRAFT INFO	
Tire Pressure	31 PSI NOSE, 29 PSI MAIN
Total/Useable Fuel	66/62 gal
Oil	5-8 qts
Max Takeoff Weight	2,650 lbs
Basic Empty Wt/Arm	1,700.7 lbs/40.14
Electrical	28V - 60A Alt, Battery 24V/ 14 Amp/hr

ICAO FLIGHT PLANS	
7. Aircraft ID	Tail Number
8. Flight Rules	I-IFR, V-VFR
Type of Flight	G-Gen. Aviation
9. # of Aircraft	Only if more than 1
Aircraft Type	C72R
Wake Category	L-Light
10. Equipment	/G
13. Dep. Airport	KXXX
Time	Departure Time
15. Cruising Speed TAS	NOXXX
Level	FXXX or AXXX
Route	Insert Rt and Alt/Speed Changes
16. Dest. Airport	KXXX
EET	Est. Elapsed Time
18. Other	0 or RMK/XXX
Endurance	Fuel in Hrs/Min
Persons on Board	# of people
Fill in the rest including PIC Name	

PIREPS	
Type	UA-Routine, UUA-Urgent
/OV	Location
/TM	Time
/FL	Altitude/Flight Level
/TP	Aircraft Type
/SK	Sky Cover
/WX	Visibility/Weather
/TA	Temperature (Celsius)
/WV	Wind
/TB	Turbulence
/IC	Icing
/RM	Remarks

MISC INFO	
GPS Updates	28 Days
VFR Sectionals IFR Enroute Charts Approach Plates	56 Days

ATC LIGHT GUN SIGNALS		
GROUND	SIGNAL	AIR
Cleared for Takeoff		Cleared to Land
Cleared to Taxi		Return for Landing
STOP		Give Way/Circle
Taxi Clear of Runway		Airport Unsafe DO NOT LAND
Return to Starting Point		N/A
Exercise Extreme Caution		Exercise Extreme Caution