

BLACKHAWK FLYING CLUB

N46030
Cessna 172 (4/1/2007)

PREFLIGHT

Cabin

| | |
|--------------------|------------------------------------|
| Log Sheet | FILL in data, check oil change due |
| VOR Log Book | CHECK if flying IFR |
| Control Wheel Lock | REMOVE |
| Ignition Switch | OFF |
| Master Switch | ON |
| Flaps | DOWN |
| Fuel Indicators | CHECK quantity |
| Lights | CHECK if flying at night |
| Master Switch | OFF |

Left

| | |
|--------------|------|
| Baggage Door | LOCK |
|--------------|------|

Tail

| | |
|------------------|--------------------------|
| Tail Tie Down | REMOVE |
| Control Surfaces | CHECK freedom & security |

Right Wing

| | |
|-----------------|--------------------------------------|
| Flap & Aileron | CHECK freedom & security |
| Wing Tie Down | REMOVE |
| Fuel Sump | DRAIN sample |
| Main Wheel Tire | CHECK inflation & tread(1/32"min) |
| Brakes | CHECK for leaks & brake pads(.1"min) |
| Fuel Quantity | VERIFY visually & secure cap |

Nose

| | |
|-----------------------|-------------------------------------|
| Prop & Spinner | CHECK for nicks & security |
| Cowling Inlets | INSPECT for blockage |
| Carburetor Air Filter | CHECK for blockage |
| Nose Wheel & Strut | CHECK inflation and tread(1/32"min) |
| Engine Oil | CHECK between 6 & 8 qts. |
| Static Source | CHECK for blockage |
| Fuel Strainer | DRAIN 4 seconds & check closed |

Left Wing

| | |
|-----------------|--------------------------------------|
| Main Wheel Tire | CHECK inflation & tread(1/32"min) |
| Brakes | CHECK for leaks & brake pads(.1"min) |
| Fuel Sump | DRAIN sample |
| Fuel Quantity | VERIFY visually & secure cap |
| Pitot Tube | REMOVE cover & inspect |
| Fuel Tank Vent | CHECK for blockage |
| Stall Horn | CHECK for blockage |
| Wing Tie Down | REMOVE |
| Flap & Aileron | CHECK freedom & security |

CHICAGO/ROCKFORD(RFD) Airport Authority: 815-969-4011
Field Elevation 742
ATIS: 127.6 Clearance: 119.25
Ground: 121.9 Tower: 118.3, 815-226-0076
Approach: 126.0 (W), 121.0 (E) ASOS: 815-399-0627

EMERY

Fuel Service: 132.0, 815-968-8287

NORTH AMERICAN

Fuel Service: 130.52, 815-969-7740

EFAS FLIGHT WATCH 122.0 EMERGENCY 121.5, 7700

STARTUP

Pre Start

| | |
|----------------------|-----------------|
| Preflight | COMPLETE |
| Passenger Briefing | COMPLETE |
| Seats, Belts & Doors | ADJUST and lock |
| Flight Controls | CHECK |
| Fuel Selector Valve | BOTH |
| Trim | TAKEOFF |
| Electrical/Avionics | OFF |
| Circuit Breakers | CHECK in |
| Brakes | TEST and set |

Start

| | |
|---------------------|------------------|
| Mixture | RICH |
| Carb Heat | COLD |
| Prime | ~3 shots |
| Throttle | OPEN 1/8 inch |
| Master | ON |
| Beacon | ON |
| Prop Area | CLEAR |
| Ignition Switch | START |
| Throttle | 1000 RPM |
| Oil Pressure & Temp | CHECK green |
| Avionics Switch | ON |
| Transponder | STANDBY |
| Nav Lights | ON (as required) |
| Flaps | UP |

BEFORE TAKEOFF

Run Up

| | |
|----------------------|---|
| Parking Brake | SET |
| Cabin Doors & Window | CLOSED and locked |
| Flight Controls | RECHECK |
| Heading Indicator | SET on compass heading |
| Altimeter | SET pressure & check with field elevation |
| VORs | SET (as required) |
| Fuel Selector | BOTH |
| Fuel Quantity | RECHECK |
| Mixture | RICH |
| Trim | SET for takeoff |
| Throttle | 1700 RPM |
| Magnetos | CHECK (125 drop / 50 diff) |
| Carb Heat | ON & check RPM drop |
| Suction Gauge | CHECK 4.6 to 5.4 |
| Engine & Ammeter | CHECK |
| Throttle | IDLE then 1000 RPM |
| Radios | SET |
| Transponder | ALT |
| Brakes | RELEASE |

Pre Take Off

| | |
|-------------------|------------------------------|
| Altimeter | RECHECK with field elevation |
| Heading Indicator | RECHECK with runway heading |

TAKEOFF

| | |
|-----------|----------------------------------|
| Flaps | 0°-normal, 10° soft/no obstacles |
| Carb Heat | COLD |
| Throttle | FULL open |
| Rotate | 60 MPH |
| Climbout | 85-MPH normal, 68-MPH short |

CRUISE

| | |
|---------------|------------------|
| Landing Light | OFF as required |
| Power | 2200-2600 (<75%) |
| Elevator Trim | SET |
| Mixture | LEAN |

DESCENT

| | |
|-----------------|-----------------|
| Seats and Belts | ADJUST and LOCK |
| Fuel Selector | BOTH |
| Power | AS required |
| Mixture | RICH |
| Carb Heat | ON as required |

PRE LANDING

| | |
|-----------------|-----------------|
| Landing Light | ON |
| Fuel Selector | BOTH |
| Mixture | RICH |
| Carb Heat | ON as required |
| Seats and Belts | ADJUST and lock |

LANDING

| | |
|-----------|------------------------------------|
| Flaps | AS required (<100 MPH) |
| Airspeed | 70-80 MPH no-flap, 65-75 MPH flaps |
| Touchdown | MAINS first |
| Brakes | APPLY as required |

GO AROUND

| | |
|-------------|----------------------------------|
| Throttle | FULL open |
| Carb Heat | COLD |
| Flaps | UP to 20° |
| Climb Speed | 65 MPH |
| Wing Flaps | 10° (0° after obstacles cleared) |
| Climb Speed | 85 MPH |

AFTER LANDING

| | |
|---------------|-----------------|
| Landing Light | OFF as required |
| Carb Heat | COLD |
| Flaps | UP |
| Transponder | STANDBY |

SECURING AIRCRAFT

| | |
|---------------|---------------------|
| Avionics | OFF |
| Mixture | IDLE cut off |
| Ignition | OFF |
| Master Switch | OFF |
| Control Lock | INSTALL as required |
| Tie Down | AS required |
| Log Sheet | FILL in data |

EMERGENCY PROCEDURES**Max Glide: 80 MPH****Max Maneuvering Speed 122 MPH****ENGINE FAILURE**

| | |
|---------------|-----------------|
| Airspeed | 80 MPH |
| Carb Heat | ON |
| Fuel Selector | BOTH |
| Mixture | RICH |
| Primer | IN and locked |
| Ignition | BOTH (or start) |
| Landing Site | LOCATE |
| Squawk | 7700 |
| Communicate | 121.5 |

EMERGENCY LANDING

| | |
|---------------|--|
| Seats & Belts | SECURE |
| Airspeed | 75 MPH (flaps up) 70 MPH (flaps down) |
| Mixture | IDLE Cut Off |
| Fuel Selector | OFF |
| Ignition | OFF |
| Flaps | AS required |
| Master Switch | OFF |
| Doors | UNLATCH |
| Touchdown | TAIL low |
| Brakes | APPLY |

ICING

| | |
|-------------------|-----------------|
| Pitot Heat | ON |
| Cabin Heat | ON full |
| Defroster | FULL open |
| Course & Altitude | CHANGE |
| Flaps | UP |
| Land | NEAREST airport |
| Landing Speed | 75-80 MPH |

ENGINE FIRE ON GROUND

| | |
|-------------------------|----------------------------|
| Cranking | CONTINUE to suck in flames |
| If engine starts | |
| Power | 1700 few minutes |
| Engine | SHUTDOWN |
| If engine doesn't start | |
| Throttle | FULL open |
| Mixture | IDLE cut off |
| Cranking | CONTINUE |
| Extinguisher | OBTAIN |
| Master Switch | OFF |
| Ignition | OFF |
| Fuel Selector | OFF |
| Extinguisher | DISCHARGE |

ENGINE FIRE IN FLIGHT

| | |
|----------------|--------------------|
| Mixture | IDLE cut off |
| Fuel Selector | OFF |
| Master | OFF |
| Cabin Heat/Air | OFF |
| Airspeed | 115 MPH or greater |
| Forced Landing | EXECUTE |

ELECTRICAL FIRE IN FLIGHT

| | |
|------------------|--------------------------------------|
| Master | OFF |
| Electrical Items | ALL off, except ignition |
| Vents/Heat/Air | OFF and CLOSED |
| Avionics Master | OFF |
| Extinguisher | DISCHARGE |
| Master | ON |
| Breakers | INSPECT |
| Avionics Master | ON |
| Electrical Items | ON one at a time for necessary items |

WING FIRE

| | |
|---|-----|
| Landing/Nav Lights | OFF |
| Pitot Heat | OFF |
| Perform sideslip to keep flames away. Land without use of flaps | |