



## CESSNA 172N CHECKLIST

### PREFLIGHT

#### INTERIOR

CONTROL WHEEL LOCK ..... REMOVE  
 ARROW DOCUMENTS ..... CHECK  
 MAGNETOS ..... OFF  
 AVIONICS SWITCH ..... OFF  
 MASTER SWITCH ..... ON  
 FUEL QUANTITY ..... CHECK  
 EXTERIOR LIGHTS ..... CHECK  
 FLAPS ..... DOWN  
 MASTER SWITCH ..... OFF  
 FUEL SELECTOR ..... BOTH  
 FUEL SHUTOFF ..... ON  
 FIRE EXTINGUISHER ..... CHECK

#### EMPENNAGE

BAGGAGE DOOR ..... CLOSED  
 HORIZONTAL STABILIZER ..... CHECKED  
 VERTICAL STABILIZER ..... CHECKED  
 ELEVATOR ..... CHECK  
 RUDDER ..... CHECK  
 TAIL TIE DOWN ..... REMOVE  
 SKID PLATE ..... CHECK  
 ELEVATOR TRIM TAB ..... CHECK  
 ANTENNAS ..... CHECK

#### RIGHT WING

FLAP ..... CHECK  
 AILERON ..... CHECK  
 WINGTIP ..... CHECK  
 LEADING EDGE ..... CHECK  
 TIEDOWN ..... REMOVE  
 TIRE ..... CHECK TREAD/BALD SPOTS  
 BRAKE ..... CHECK  
 FUEL SUMP ..... DRAIN  
 FUEL QUANTITY ..... VISUALLY VERIFY  
 FUEL FILLER CAP ..... SECURE

#### NOSE

WINDSCREEN ..... CHECK  
 FUEL DRAIN ..... CHECK  
 OIL LEVEL ..... CHECK  
 OIL DOOR ..... CLOSED  
 ENGINE AIR INLETS ..... CHECK

PROPELLER & SPINNER ..... CHECK  
 ALTERNATOR BELT ..... CHECK  
 AIR FILTER ..... CHECK  
 TIRE ..... CHECK  
 STRUT ..... CHECK  
 STATIC PORT ..... CHECK

#### LEFT WING

FUEL SUMP ..... DRAIN  
 FUEL QUANTITY ..... CHECK  
 FUEL FILLER CAP ..... SECURE  
 PITOT TUBE COVER ..... REMOVE  
 PITOT TUBE ..... CHECK  
 STALL HORN OPENING ..... CHECK  
 FUEL TANK VENT ..... CHECK  
 TIEDOWN ..... REMOVE  
 LEADING EDGE ..... CHECK  
 WINGTIP ..... CHECK  
 AILERON ..... CHECK  
 FLAP ..... CHECK  
 TIRE ..... CHECK TREAD/BALD SPOTS  
 BRAKE ..... CHECK

#### BEFORE ENTERING AIRCRAFT

ALL TIEDOWNS ..... CHECK REMOVED  
 CHALKS ..... CHECK REMOVED AND OUT OF PATH  
 PITOT COVER ..... CHECK REMOVED  
 SURROUNDING AREA ..... CLEAR OF OBSTRUCTIONS

## NORMAL PROCEDURES

#### BEFORE START

PREFLIGHT INSPECTION ..... COMPLETE  
 PASSENGER BRIEFING ..... COMPLETE  
 SEATS & SEAT BELTS ..... ADJUSTED & FASTENED  
 FUEL SELECTOR ..... BOTH  
 CARB HEAT ..... OFF  
 CIRCUIT BREAKERS ..... CHECK  
 FLIGHT CONTROLS ..... PROPER OPERATION  
 MASTER SWITCH ..... OFF  
 AVIONICS SWITCH ..... OFF  
 MASTER SWITCH ..... ON  
 BEACON ..... ON  
 NAV LIGHTS ..... AS REQUIRED

#### ENGINE START

THROTTLE ..... ¼" OPEN  
 MIXTURE ..... RICH  
 ENGINE ..... PRIME

#### IF HOT START - DO NOT PRIME

PROPELLER AREA ..... CLEAR  
 BRAKES ..... HOLD  
 MAGNETOS ..... START  
 THROTTLE ..... 1000 RPM  
 OIL PRESSURE ..... CHECK GREEN  
 AMPS ..... POSITIVE CHARGE

ANNUNCIATORS ..... EXTINGUISHED  
 MIXTURE ..... LEAN  
 FLAPS ..... RETRACT

#### AFTER START/BEFORE TAXI

AVIONICS ..... ON  
 GPS DATABASE ..... VERIFY CURRENCY  
 COMMS ..... SET  
 ATIS/AWOS ..... OBTAIN  
 ALTIMETER ..... SET  
 FLIGHT PLAN ..... SET  
 TRANSPONDER ..... 1200/ASSIGNED  
 TAXI CLEARANCE ..... OBTAINED

#### WHILE TAXIING

#### \*BRIEF PRIOR TO RELEASING BRAKES AND COMPLETE WHILE TAXIING\*

TAXI ..... BRIEF  
 TAXI LIGHT ..... ON  
 BRAKES ..... TEST  
 STEERING ..... CHECKED  
 FLIGHT INSTRUMENTS ..... CHECKED

#### RUN UP

BRAKES ..... HOLD  
 MIXTURE ..... FULL RICH  
 THROTTLE ..... 1700 RPM  
 MAGNETOS ..... CHECK DROP  
 CARB HEAT ..... CHECK  
 OIL TEMPERATURE ..... CHECK  
 OIL PRESSURE ..... CHECK  
 AMPS/VOLTS ..... CHECK  
 THROTTLE ..... IDLE THEN 1000 RPM

#### BEFORE TAKEOFF

DEPARTURE BRIEFING ..... COMPLETE  
 FLIGHT INSTRUMENTS ..... CHECK  
 STANDBY INSTRUMENTS ..... CHECK  
 ANNUNCIATORS ..... CHECK  
 FUEL SELECTOR ..... BOTH  
 CARB HEAT ..... OFF  
 ENGINE INDICATIONS ..... CHECK  
 SEAT BACKS ..... ERECT  
 SEATS ..... ADJUSTED AND LOCKED IN POSITION  
 SEAT BELTS ..... FASTENED  
 FLAPS ..... SET  
 CONTROLS ..... FREE AND CORRECT  
 DOORS AND WINDOW ..... LATCHED  
 LIGHTS ..... AS REQUIRED  
 PITOT HEAT ..... AS REQUIRED

### CLIMB (1,000FT AGL)

SPEED .....75-85 KIAS  
FLAPS .....RETRACTED  
ENGINE INSTRUMENTS.....CHECK

### CRUISE

THROTTLE .....SET PER POWER TABLE  
MIXTURE .....LEAN AS REQUIRED  
ENGINE INSTRUMENTS .....CHECKED  
LIGHTING .....AS REQUIRED

### DESCENT/BEFORE LANDING

ATIS/AWOS .....OBTAIN  
ALTIMETER .....SET  
COMMS/NAV RADIOS & AVIONICS .....CHECKED & SET  
APPROACH .....BRIEFED  
SEAT BACKS .....ERECT  
SEAT BELTS .....FASTENED  
MIXTURE .....FULL RICH  
CARB HEAT .....ON  
LIGHTING .....AS REQUIRED  
PARK BRAKE .....VERIFY OFF  
TOE BRAKES .....DEPRESS TO CHECK

### AFTER LANDING

COMMS .....MONITOR GROUND (WHEN APPLICABLE)  
FLAPS .....RETRACT  
CARB HEAT .....OFF  
MIXTURE .....LEAN  
PITOT HEAT .....OFF  
LIGHTING .....AS REQUIRED

### SHUTDOWN

AVIONICS SWITCH .....OFF  
ELECTRICAL SWITCHES (EXCEPT BEACON) .....OFF  
THROTTLE .....IDLE  
MAGNETOS .....GROUND CHECK  
THROTTLE .....1200 RPM  
MIXTURE .....IDLE CUTOFF  
THROTTLE .....CLOSED  
MAGNETOS .....OFF  
KEY .....OUT OF IGNITION  
INTERIOR LIGHTS .....OFF  
MASTER SWITCH .....OFF  
CONTROL LOCK .....INSTALLED  
PITOT COVER, COWL PLUGS .....INSTALLED  
TIEDOWNS .....SECURED  
HOBBS/TACH TIME .....RECORDED  
DISPATCH LOG .....COMPLETED

## EMERGENCY PROCEDURES

### POWER LOSS IN FLIGHT

AIRSPEED .....68 KIAS  
BEST FIELD  
MIXTURE .....FULL RICH  
CARB HEAT .....ON  
FUEL SELECTOR .....CHECK/BOTH  
MAGNETOS .....CHECK ALL

### IF NO RESTART & TIME PERMITS

AIRSPEED .....68 KIAS  
TRANSPONDER .....7700  
ATC .....DECLARE EMERGENCY  
MIXTURE .....IDLE CUTOFF  
FLAPS .....AS REQUIRED  
MASTER & MAGNETOS .....OFF  
DOORS .....UNLATCHED

### ELECTRICAL FIRE IN FLIGHT

ALL ELECTRICAL + MASTER .....OFF  
VENTS/HEAT/AIR .....CLOSED  
AVIONICS MASTER .....OFF

### IF FIRE OUT

MASTER .....ON IF CRITICAL  
ESSENTIAL ELECTRICAL .....ON ONE AT A TIME  
CIRCUIT BREAKER(S) .....RESET IF CRITICAL

### ENGINE FIRE IN FLIGHT

MIXTURE .....IDLE CUTOFF  
FUEL SELECTOR .....OFF  
MASTER .....OFF  
CABIN HEAT/AIR .....OFF  
AIRSPEED .....>100 KIAS TO EXTINGUISH  
**LAND AS SOON AS POSSIBLE**

### ENGINE FIRE DURING START

STARTER .....CONTINUE CRANKING

### IF START

THROTTLE .....1800 RPM FOR A FEW MINUTES  
ENGINE .....SHUTDOWN & INSPECT DAMAGE

### IF NO START

MIXTURE .....IDLE CUTOFF  
FUEL SELECTOR .....OFF  
THROTTLE .....FULL OPEN  
STARTER .....CONTINUE CRANKING  
MASTER .....OFF  
MAGNETOS .....OFF

### EVACUATE!

**RJC (ECHO): 131.40**

**V<sub>SO</sub> : 41 KIAS**  
**V<sub>S1</sub> : 47 KIAS**  
**V<sub>r</sub> : 55 KIAS**  
**V<sub>x</sub> : 59 KIAS**  
**V<sub>g</sub> (max gross) : 65 KIAS**  
**V<sub>y</sub> : 73 KIAS**  
**V<sub>a</sub> (1600 lbs) : 80 KIAS**  
**V<sub>a</sub> (1950 lbs) : 89 KIAS**  
**V<sub>a</sub> (max gross) : 97 KIAS**  
**V<sub>NO</sub> : 128 KIAS**  
**V<sub>NE</sub> : 160 KIAS**  
**V<sub>FE</sub> : 85 KIAS**

### SHORT FIELD TAKEOFF

10° Flaps - Rotate at 50 KIAS - Climb at barrier speed  
until clear of obstacle - accelerate to V<sub>y</sub>

### SOFT FIELD TAKEOFF

10° Flaps - Full back pressure - Rotate at slowest speed  
- accelerate to V<sub>y</sub> in ground effect

**THIS CHECKLIST IS FOR CONVENIENCE ONLY AND  
DOES NOT REPLACE THE POH. USE IS AT THE  
OWN RISK OF THE PILOT IN COMMAND.**

**ABNORMAL PROCEDURES CAN BE  
FOUND IN THE POH**