

## CESSNA 172: NORMAL CHECKLIST

### BEFORE START

PREFLIGHT INSPECTION -COMPLETE  
AIRWORTHINESS REQUIREMENTS -MET  
HOBBS TIME -RECORDED  
CHOCKS / TIEDOWNS / PROPELLER LOCK / PITOT COVER -REMOVED  
LAP BELTS & SHOULDER HARNESSSES -FASTENED  
SEATS -LOCKED  
PASSENGER SAFETY BRIEFING -REVIEWED (Safety Belt Use, Door Use, Emergencies)  
ELECTRICAL EQUIPMENT -OFF  
NAVIGATION EQUIPMENT -OFF  
RADIOS -OFF  
TRANSPONDER -OFF AND SET TO 1200  
CIRCUIT BREAKERS -IN

### ENGINE START

PARKING BRAKE -ON  
FUEL SELECTOR -ON LESS FULL TANK -OR- BOTH  
CARBURETOR HEAT -OFF  
MIXTURE -FULL RICH  
THROTTLE -OPEN 1/8 INCH  
KEY -IN IGNITION  
MASTER SWITCH -ON  
BEACON -ON  
PRIME -AS REQUIRED, THEN LOCKED (NONE IF ENGINE IS HOT)  
AREA -CLEAR  
STARTER -ENGAGE  
ENGINE -1000 RPM  
MIXTURE -LEANED FOR TAXI  
OIL PRESSURE -IN NORMAL RANGE  
LOAD METER -VERIFY ELECTRICAL CHARGE  
SUCTION -CHECK  
EXTERIOR & INTERIOR LIGHTS -AS REQUIRED  
RADIOS -ON  
TRANSPONDER -STANDBY

### TAXI

FLIGHT INSTRUMENTS -VERIFY PROPER OPERATION

### RUNUP

PARKING BRAKE -ON AND BRAKES HELD  
FLIGHT CONTROLS -VERIFY FULL TRAVEL & CORRECT DEFLECTIONS  
MIXTURE -FULL RICH (BELOW 3000 FEET MSL)  
ENGINE -1700 RPM (Verify No Aircraft Movement)  
1. MAGNETO CHECK: MAX DROP: 125 RPM; MAX DIFFERENTIAL: 50 RPM  
2. CARBURETOR HEAT -CHECK, THEN OFF  
3. ALTERNATOR -CHECK  
4. SUCTION -CHECK  
5. ENGINE GAUGES -IN NORMAL RANGE  
ENGINE -IDLE CHECK, THEN 1000 RPM  
FLIGHT INSTRUMENTS -CHECKED AND SET  
CLOCK / WATCH -SET  
NAVIGATION EQUIPMENT -ON AS REQUIRED AND SET  
TRANSPONDER CODE -SET  
ELEVATOR TRIM -EXERCISE, THEN SET FOR TAKEOFF  
FLAPS -CYCLE, THEN SET AS REQUIRED  
DOORS & WINDOWS -CLOSED AND LATCHED  
TAKEOFF BRIEFING -REVIEWED (Airspeeds, Takeoff Distance, Departure Procedure, Emergencies)  
OIL TEMPERATURE -IN NORMAL RANGE BEFORE TAKEOFF  
RADIO -ON PROPER FREQUENCY

▶▶▶ TURN OVER FOR TAKEOFF ▶▶▶ TURN OVER FOR TAKEOFF ▶▶▶

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### BEFORE TAKEOFF

LANDING LIGHT -ON  
STROBE LIGHTS -ON  
TRANSPONDER -TEST, THEN ALTITUDE MODE  
TIME -COPY DOWN  
HEADING INDICATOR -SET TO RUNWAY HEADING

### CRUISE

POWER -SET  
MIXTURE -LEANED (BEST POWER OR BEST ECONOMY)  
LANDING LIGHT -OFF  
HEADING INDICATOR -ADJUST  
ATTITUDE INDICATOR -ADJUST  
FUEL -BALANCE TANKS

### BEFORE LANDING

ALTIMETER -SET  
PRIMER -LOCKED  
MAGNETOS -ON "BOTH"  
LANDING LIGHT -ON  
CARBURETOR HEAT -CHECK, THEN OFF  
MIXTURE -FULL RICH  
LAP BELTS & SHOULDER HARNESSSES -FASTENED

### AFTER LANDING

RADIO -ON PROPER FREQUENCY  
MIXTURE -LEANED FOR TAXI  
TRANSPONDER -OFF AND SET TO 1200  
LANDING LIGHT -OFF (Daytime)  
FLAPS -0°

### SHUT DOWN

PARKING BRAKE -ON  
NAVIGATION EQUIPMENT -OFF  
RADIOS -OFF  
ENGINE -1000 RPM  
MIXTURE -IDLE CUT OFF  
IGNITION -OFF AND KEY REMOVED  
EXTERIOR & INTERIOR LIGHTS -OFF  
MASTER SWITCH -OFF

### PARKING & SECURING

CONTROL LOCK -SECURE  
CHOCKS -IN PLACE  
TIEDOWNS -SECURE  
PITOT COVER -ON  
PROPELLER LOCK -SECURE

### COMMUNICATIONS (KBVY)

TOWER PHONE: 978-922-0657	ATIS / ASOS: 119.2
BFC PHONE: 978-774-7755	GROUND: 121.6
ASOS PHONE: 978-921-5042	TOWER / CTAF: 125.2
BFC / NORTH ATLANTIC AIR: 123.3	AIR-TO-AIR: 122.75
FLIGHT WATCH: 122.0	FLIGHT SERVICE: 122.2

### AIRSPEEDS (MPH)

V<sub>R</sub> - 60 IAS  
V<sub>X</sub> BEST ANGLE - 75 IAS  
V<sub>Y</sub> BEST RATE - 91 IAS  
(80 IAS ABOVE 10,000 FT)  
ENROUTE CLIMB - 80-90 IAS

V<sub>A</sub> - 112 IAS @ 2300 LBS. GROSS  
BEST GLIDE - 80 IAS  
APPROACH @ 0° FLAPS - 70-80 IAS  
APPROACH @ 40° FLAPS - 65-75 IAS  
MAXIMUM CROSSWIND - **15 KTS**