

C172SP G1000 PREFLIGHT INSPECTION



Flight Planning

WEATHERCHECK
PERFORMANCE FIGURES.....COMPUTE
WEIGHT AND BALANCECOMPUTE
REQUIRED EQUIPMENT.....VERIFY PRESENT/FUNCTIONAL

Initial Items

PITOT GATOR REMOVE AND SECURE
TIE-DOWNS REMOVE AND SECURE
FUEL QUANTITY..... CHECK VISUALLY
Order fuel as required. For partially full tanks, check with dipstick.
FUEL SUMPS (5 per wing, 3 under nose)DRAIN AND CHECK
Confirm free of water, sediment, or contamination.
OIL LEVELCHECK
Add oil (full, unopened quarts only) if below 6 qts.
OIL DIPSTICK / FILLER CAPSECURE

Interior

FIRE EXTINGUISHER.....CHECK GAUGE
AROW DOCUMENTS.....PRESENT
COMPASS DEV CARDPRESENT / LEGIBLE
CONTROL WHEEL LOCK REMOVE AND SECURE
CIRCUIT BREAKERS CHECK IN
IGNITION SWITCH.....OFF
AVIONICS MASTER SWITCH.....OFF
MASTER SWITCH..... ON
FUEL QUANTITY INDICATORSCHECK
ANNUNCIATORS.....CHECK
Showing: OIL PRESSURE, LOW VACUUM, LOW VOLTS
Not showing: LOW FUEL L, LOW FUEL R
AVIONICS FAN..... TEST
Cycle avionics master switch. Listen for fan.
ALTERNATE STATIC SOURCE.....OFF
ANNUNCIATOR PANEL SWITCH..... TEST
Hold switch in TEST position. Verify all annunciators illuminate.
ANNUNCIATOR PANEL SWITCH.....RELEASE
Verify OIL PRESS, L VAC R, VOLTS annunciators remain lit.
BEACON, STROBES, NAV AND LANDING LIGHTS.....CHECK
PITOT HEAT.....CHECK
FLAPS..... FULLY EXTEND
MASTER SWITCH.....OFF
TRIM.....SET TAKEOFF
FUEL SELECTOR..... BOTH
FUEL SHUTOFF VALVE.....ON (push full in)
INOP EQUIPMENT.....(if any) VERIFY ALLOWED BY 91.213(d)

Empennage

BAGGAGE DOOR.....CHECK
CONTROL SURFACES.....(freedom and security) CHECK
TRIM TAB(security) CHECK
ANTENNAS(security and condition) CHECK
EXTERNAL DATA PLATE.....CHECK

Right Wing

FLAP.....(security and condition) CHECK
AILERON.....(freedom and security) CHECK
FUEL QUANTITY..... CHECK VISUALLY
FUEL FILLER CAP.....SECURE AND VENT CLEAR
MAIN WHEEL TIRE, BRAKE DISC AND PADSCHECK
Check for wear and proper inflation.

Nose

WINDSHIELDCHECK FOR CLEANLINESS
OIL ACCESS DOORSECURE
ENGINE COOLING AIR INLETSCHECK UNOBSTRUCTED
ENGINE AIR FILTERCHECK UNOBSTRUCTED
PROPELLER AND SPINNER..... (nicks and security) CHECK
NOSE WHEEL TIRE..... (wear and inflation) CHECK
NOSE WHEEL STRUT (approx. 3" extension)CHECK
STATIC SOURCE OPENING.....CHECK UNOBSTRUCTED

Left Wing

FUEL QUANTITY..... CHECK VISUALLY
FUEL FILLER CAP.....SECURE AND VENT CLEAR
PITOT TUBE.....CHECK UNOBSTRUCTED
STALL HORN OPENING.....CHECK UNOBSTRUCTED
FUEL TANK VENTCHECK UNOBSTRUCTED
AILERON.....(freedom and security) CHECK
FLAP.....(security and condition) CHECK
MAIN WHEEL TIRE, BRAKE DISC AND PADSCHECK
AIRWORTHINESS CHECKLIST.....(remaining items) COMPLETE