

# C172SP ANALOG PREFLIGHT INSPECTION



## Flight Planning

WEATHER .....CHECK  
PERFORMANCE FIGURES.....COMPUTE  
WEIGHT AND BALANCE .....COMPUTE  
REQUIRED EQUIPMENT.....VERIFY PRESENT/FUNCTIONAL  
AIRWORTHINESS CHECKLIST..... (pre-airplane items) COMPLETE  
MX STATUS CHECK..... COMPLETE

## 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 LEVEL .....CHECK  
**Add oil (full, unopened quarts only) if below 6 qts.**  
OIL DIPSTICK / FILLER CAP .....SECURE

## Interior

FIRE EXTINGUISHER.....CHECK GAUGE  
AROW DOCUMENTS.....PRESENT  
COMPASS DEV CARD .....PRESENT / LEGIBLE  
CONTROL WHEEL LOCK ..... REMOVE AND SECURE  
CIRCUIT BREAKERS ..... CHECK IN  
IGNITION SWITCH.....OFF  
AVIONICS MASTER SWITCH.....OFF  
MASTER SWITCH..... ON  
FUEL QUANTITY INDICATORS .....CHECK  
LOW FUEL ANNUNCIATORS .....EXTINGUISHED  
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 PADS .....CHECK  
**Check for wear and proper inflation.**

## Nose

WINDSHIELD .....CHECK FOR CLEANLINESS  
OIL ACCESS DOOR .....SECURE  
ENGINE COOLING AIR INLETS .....CHECK UNOBSTRUCTED  
ENGINE AIR FILTER .....CHECK 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 VENT .....CHECK UNOBSTRUCTED  
AILERON.....(freedom and security) CHECK  
FLAP.....(security and condition) CHECK  
MAIN WHEEL TIRE, BRAKE DISC AND PADS .....CHECK  
AIRWORTHINESS CHECKLIST.....(remaining items) COMPLETE