



# CESSNA 172 PREFLIGHT INSPECTION CHECKLIST

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EFFECTIVE DATE:  
February 23, 2023

COMPANY NAME	DATE	TIME
ALL ASIA AVIATION ACADEMY		
LOCATION OF WORK	A/C REGN	A/C TYPE

DIRECTION: Please put a [✓] if the items listed are in AIRWORTHY Condition, however put an [X] mark if the items are UNAIRWORTHY

## 1. CABIN

1. Pilot's Operating Handbook -- AVAILABLE IN THE AIRPLANE
2. ARROW -- CHECK validity and availability of the aircraft documents
3. Emergency Equipment -- Check for condition and availability of Life Vest, Medical Kit and Fire Extinguisher
4. Parking Brake -- SET
5. Control Wheel Lock -- REMOVE
6. Ignition Switch -- OFF
7. Avionics Power Switch -- OFF
8. Master Switch -- ON
9. Fuel Quantity Indicators -- CHECK QUANTITY
10. Avionics Cooling Fan -- CHECK AUDIBLY FOR OPERATION
11. Master Switch -- OFF
12. Static Pressure Alternate Source Valve (if installed) -- OFF
13. Fuel Selector Valve -- BOTH
14. Baggage Door -- CHECK

## 2. EMPENNAGE

1. Rudder Gust Lock -- REMOVE
2. Tail Tie-Down -- DISCONNECT
3. Control Surfaces -- CHECK freedom of movement and security

## 3. RIGHT WING TRAILING EDGE

1. Aileron -- CHECK freedom of movement and security

## 4. RIGHT WING

1. Wing Tie Down -- DISCONNECT
2. Main Wheel Tire -- CHECK for proper inflation
3. Fuel Tank Sump Quick Drain Valve -- DRAIN fuel (using sampler cup) to check for water, sediment and proper fuel grade before first flight of day and after each refuelling. If water is observed, take further samples until there is no evidence of water contamination.
4. Fuel Selector Quick-Drain Valve (located on bottom of fuselage) -- DRAIN fuel (using sampler cup) to check for water, sediment and proper fuel grade before first flight of day and after each refuelling. If water is observed, take further samples until there is no evidence of water contamination.
5. Fuel Quantity -- CHECK VISUALLY for desired level
6. Fuel Filler Cap -- SECURE

## 5. NOSE/ENGINE

1. Engine Oil Dipstick / Filler Cap -- CHECK oil level, then check dipstick/filler cap SECURE. Do not operate with less than five quarts. Fill to seven quarts for extended flight.
2. Fuel Strainer Drain Knob -- PULL OUT for about four seconds to clear strainer of possible water and sediment before first flight of the day and after each refuelling. Return drain knob full in and check strainer drain CLOSED. If water is observed, the fuel system may contain additional water, and further draining of the system at the strainer, fuel tank sumps, and fuel selector quick drain valve must be accomplished.
3. Propeller and Spinner -- CHECK for oil leakage, surface damage, erosion, straightness and looseness. Wash with mild soap and water.
4. Carburetor Air Filter -- CHECK for restrictions by dust or other foreign matter.
5. Nose Wheel Strut and Tire -- CHECK for proper inflation
6. Nose Tie-Down -- DISCONNECT
7. Static Source Opening (left side of fuselage) -- CHECK for stoppage
8. Magneto Ground Wires -- CHECK connections.
9. Fuel and Oil line -- CHECK connections, note minor indications or leaks.
10. Cowling -- CHECK placing, condition and security.
11. Nose Landing Gear Assembly -- PERFORM detailed inspection of the assembly specifically the cotter pin which secures the nose wheel/gear axle stud.

## 6. LEFT WING

1. Main Wheel Tire -- CHECK for proper inflation
2. Fuel Tank Sump Quick-Drain Valve -- DRAIN fuel (using sampler cup) to for water, sediment and proper fuel grade before first flight of day and after each refuelling. If water is observed, take further samples until there is no evidence of water contamination.
3. Fuel Quantity -- CHECK VISUALLY for desired level.
4. Fuel Filler Cap -- SECURE

## 7. LEFT WING LEADING EDGE

1. Pitot tube cover -- REMOVE and check opening for stoppage.
2. Fuel Tank Vent Opening -- CHECK for stoppage
3. Stall Warning Opening -- CHECK for stoppage. To Check the system, place a clean handkerchief over the vent opening and apply suction; a sound from the warning horn will confirm system operation.
4. Wing Tie Down -- DISCONNECT
5. Landing Light (s) -- CHECK for condition and cleanliness of cover.

## 8. LEFT WING TRAILING EDGE

1. Aileron -- CHECK freedom of movement and security

PERFORMED BY:

Aircraft Mechanic (Name & License No.)

PERFORMED BY:

Aircraft Inspector (Name & License No.)

Technical References: Cessna 172P Pilot's Operating Handbook, O-320 Series Lycoming Operator's and Current Cessna 172 Service Manual.