

Look in oil door: anything obviously amiss?
Alternator belt: proper tension, not frayed

Cowl openings: No tools, cats, dogs, birds, nests, rags

Propeller: look for deep nicks
Leading & trailing edge
Face and back

If need to rotate prop, move clockwise as you face
it from in front of prop

Spinner: Attached, no cracks

Air Filter: not obstructed

13. NOSE GEAR:

Fairing secure
Shimmy dampener, steering linkage secure
Shock strut inflated enough

14. STATIC SOURCE: unblocked

15. TIRES: pull airplane forward and then push back.
Look for flat spots, bald spots, cord showing, cracks,
cuts in rubber

EXTERIOR PREFLIGHT #13 ON S/R CHECKLIST

1. LIGHTS:

Turn Master on and all light switches. Check lights.
Turn Master off.

2. LEFT WING

Remove pitot tube cover

Unfasten tiedown chain

Remove chock

Check fuel

Start at leading edge , go around to wingtip and
back to fuselage. Check for signs of damage.

Check **pitot tube** clear

Check **fuel vent** clear.

Climb up & Visually inspect fuel level, cap secure.
Check wing skin on top of wing
Pour fuel back into tank, if possible.
Check **comm. Antennae**.

Aileron:

free movement with correct yoke response
Hinges with cotter pins
Check skin top and bottom

Flap:

On track
Rod end tight and moveable.
Counterweights secure

Check skin top and bottom

Wing strut:

Check for damage

Check for signs of stress at wing and fuselage

3. LEFT LANDING GEAR

Fairing secure

No hydraulic fluid leaking

Tire inflated

4. LEFT FUSELAGE

No wrinkles, popped rivets, missing screws, dents, cuts.

Sight left side as you move back to tail.

Check bottom and top of fuselage too. Look for oil accumulation or other signs of oil leak

5. EMPENNAGE

Horizontal Stabilizer:

Check secure, no damage to top, bottom, leading edge

Elevator:

Free movement, correct yoke response.

Nuts, hinges, safety pins intact, cable tension OK, cable not frayed

Tail tiedown: disconnect

Rudder & Vertical Stabilizer:

Check both sides, No damage, cables not frayed & proper tension. Check nuts, hinges and safety pins intact.

Check VOR antennae

Right side of empennage:

Check **horizontal stabilizer**

Elevator: check

Trim Tab: check fastened securely

6. RIGHT FUSELAGE: check same as on Left Side.
Check **ELT antenna**.

7. RIGHT LANDING GEAR: same as left

8. RIGHT WING STRUT: same as left

9. RIGHT WING: same as left except no pitot tube, vent

10. WINDSHIELD: check integrity, clean

11. COWL: top & bottom.
Check skin for damage.
Drain fuel.

12. ENGINE *Key on dash.*

Oil: proper type, amount (minimum per POH)