

Robinson R66 Turbine – PREFLIGHT Checklist



General Condition

- Remove covers, tiedowns, frost, snow & ice
- Check main rotor and hub
- Check general condition of aircraft
- Check for leaking fluids, fretting, wear, teletemps

1. Pilot Station

- Air ConditioningOFF
- Battery switchON
- Check fuel quantity.
- MR temp/press, engine oil, gen, low RPM lightsON
- Test Annunciato panel – all lightsON
- Check Strobe, nav, landing lights.
- Battery switchOFF
- Rotor BrakeRELEASE
- Tail rotor pedalsADJUST, PINS SECURE

2. Fuselage Right Side and Engine Compartment

- Verify no visible damage.
- Door hinge cotter rings installed.
- Landing gear strut, fairings, skid, skid shoes - CHECK
- Static port - CLEAR
- Baggage Compartment - CHECK loading & security
- Baggage Door - LATCHED
- Engine Air Filter - CLEAN
- Fluid Leaks - VERIFY none
- All Air Ducts - VERIFY secure
- Engine oil filter impending bypass indicator - CHECK
- Engine Fuel Control linkage - CHECK
- Exhaust - CHECK secure, no cracks
- Cowl Doors - VERIFY Latched

3. Tailcone, Empennage and Tail Rotor

- Antennas and Lights SECURE
- Empennage SECURE, no cracks
- Tail Rotor Guard SECURE, no cracks
- Tail Skid SECURE, no damage
- Tail Rotor Gearbox CHECK oil quantity & teletemp
- Verify drive system continuity ROTATE tail Rotor
- Tail Rotor Blades CHECK no damage
- Pitch Links & Bellcrank CHECK no looseness
- Elastometric Teeter Bearing CHECK condition
- Teeter Bearing Bolt CHECK does not rotate



4. Belly

<u>Antennas & Panels</u>	CHECK secure
<u>Aft Crosstube Cover</u>	CHECK properly installed
<u>Generator Cooling Filter</u>	CHECK clean

5. Main Rotor

<u>Blades</u>	Check no damage
<u>Paint covers bond line</u>	CHECK
<u>Pitch Change Boots</u>	CHECK no leaks
<u>All Fasteners</u>	CHECK secure
<u>Scissors & Rod Ends</u>	CHECK for no excessive looseness

6. Fuselage Left Side & Engine Compartment

<u>No Visible Damage</u>	CHECK
<u>Door Hinge Cotter Rings</u>	CHECK installed
<u>Landing Gear Strut Fairings</u>	Intact
<u>Skid, Skid Shoes</u>	CHECK
<u>Static Port</u>	CHECK clear
<u>Fuel Quantity & Fuel Cap</u>	CHECK & SECURE
<u>Engine Air Filter</u>	CHECK clean and secure
<u>Engine, Main Gearbox & Hyd.oil levels</u>	- CHECK
<u>Gearbox Oil Filter Impending Bypass Ind.</u>	- CHECK
<u>Engine and Gearbox Oil Coolers</u>	CHECK
<u>Engine Governor Control Linkage</u>	CHECK
<u>Fluid Leaks</u>	CHECK
<u>Fuel Drain</u>	SAMPLE
<u>Cowl Doors</u>	Latched

7. Nose

<u>Pitot Tube</u>	CHECK clear
<u>Windscreen</u>	CHECK cleans and undamaged

8. Cabin Area

<u>No Loose Items</u>	CHECK
<u>Controls</u>	CHECK clear of obstructions
<u>Left Seat Controls</u>	removed or properly installed
<u>Seatbelts</u>	CHECK unoccupied seats buckled

Caution

Remove left seat controls if person in that seat is not a rated helicopter pilot.

Seat Compartments – do not exceed fill line, avoid hard objects, fill under empty seats first.

Cabin doors latched but unlocked.