

DAILY OR PREFLIGHT CHECKS

Remove any temporary covers and, in cold weather, remove even small accumulations of frost, ice, or snow. Check maintenance records to be sure aircraft is airworthy. An 8-foot step ladder is recommended for daily preflight inspection of main rotor; however, main rotor hub may be reached by first opening right rear seat and stepping on seat support and then stepping on deck below the aux fuel tank.

Check general condition of aircraft and verify no leaks, discoloration due to heat, dents, chafing, galling, nicks, corrosion, or cracks. Also verify no fretting at seams where parts are joined together. Fretting of aluminum parts produces a fine black powder while fretting of steel parts produces a reddish brown or black residue. Verify Telatemp's show no unexplained temperature increases during prior flight.

1. Upper Forward Cowl Doors - Right Side

Master switch	On
Oil pressure, alt, gov, aux fuel pump lights	On
Warning light test switches	Push to test
Fuel quantity	Check gages
Master switch	Off
Aux fuel tank quantity	Check
Fuel filler cap	Tight
Aux fuel tank	No leaks
Fuel Lines	No leaks
Aux fuel drain	Sample
Gascolator drain	Sample
Gearbox oil	Full, no leaks
Hydraulic system	Fluid full, no leaks
Rotor brake	Actuation normal
Flex coupling	No cracks, nuts tight
Yoke flanges	No cracks
Gearbox, hydraulic pump Telatemp's	Normal
Control rod ends	Free without looseness
Steel tube frame	No cracks
All fasteners	Tight
Tail rotor control	No interference

DAILY OR PREFLIGHT CHECKS (cont'd)

2. Main Rotor

CAUTION

Do not pull rotor blades down as damage may occur. To lower one blade, push opposite blade up.

Blades Clean and no damage/cracks
Pitch change boots No leaks
Main hinge bolts Cotter pins installed
All rod ends Free without looseness
Pitch link jam nuts Tight
Pitch link safety wire Secure
All fasteners Tight
Swashplate scissors No excessive looseness
Upper forward cowl doors Latched

3. Lower Cowl Door - Right Side

Air box and duct Secure
Engine sheet metal No cracks
Fuel lines No leaks
Oil lines No leaks or chafing
Exhaust system No cracks
Throttle linkage Operable
Cowl door Latched

4. Aft Cowl Door - Right Side

Oil cooler door Check
V-belt condition Check
V-belt slack Check
Sprag clutch No leaks
Upper bearing No leaks
Telatemp - upper bearing Normal
Flex coupling No cracks, nuts tight
Yoke flanges No cracks
Steel tube frame No cracks
Tail rotor control No interference
Tailcone attachment bolts Check
Cowl door Latched

DAILY OR PREFLIGHT CHECKS (cont'd)

5. Engine Rear
 - Cooling fan nut Pin in line with marks
 - Cooling fan No cracks
 - Fan scroll No cracks
 - Tailpipe hanger No cracks
6. Empennage
 - Tail surfaces No cracks
 - Fasteners Tight
 - Position light Check
 - Tail rotor guard No cracks
7. Tail Rotor
 - Gearbox Telatemp Normal
 - Gearbox Oil full, no leaks
 - Blades Clean and no damage/cracks
 - Rod ends Free without looseness
 - Pitch link jam nuts Tight
 - Teeter bearings Check condition
 - Teeter bearing bolt Does not rotate
 - Control bellcrank Free without looseness
8. Tailcone
 - Rivets Tight
 - Skins No cracks or dents
 - Strobe light condition Check
 - Antenna Check
9. Cowl Door - Left Side
 - Engine oil 7-9 qts
 - Oil Filter Secure, no leaks
 - Battery and relay (if located here) Secure
 - Steel tube frame No cracks
 - Engine sheet metal No cracks
 - Exhaust system No cracks
 - Cowl door Latched
10. Fuel tank (Main)
 - Quantity Check
 - Filler cap Tight
 - Leakage None
 - Drain Sample

DAILY OR PREFLIGHT CHECKS (cont'd)

11. Fuselage Left Side

Baggage compartments Check
Removable controls Secure if installed
Collective control Clear
Seat belts Check condition and fastened
Doors Unlocked and latched
Door hinge safety pins Installed
Landing gear Check
Ground handling wheel Removed
Position light Check
Static port Clear

12. Nose Section

Pitot tube Clear
Windshield condition & cleanliness Check
Fresh air vent Clear
Landing lights Check

13. Fuselage Right Side

Baggage compartments Check
Seat belts Check condition and fastened
Aft door Unlocked and latched
Door hinge safety pins Installed
Landing gear Check
Ground handling wheel Removed
Position light Check
Static port Clear

14. Cabin Interior

Loose articles Removed or stowed
Instruments, switches, and controls. . Check condition
Adjustable pedals Pins secure

CAUTION

Removable controls should be removed
if person in forward left seat is not a
rated helicopter pilot.