

DAILY OR PREFLIGHT CHECKS (cont'd)

1. Upper Forward Cowl Doors - Right Side

Battery switch ON
Oil pressure and alternator lights ON
Warning light test switches Push to test
Fuel quantity Check gages
Battery switch OFF
Aux fuel tank quantity Check
Fuel filler cap Tight
Aux fuel tank No leaks
Fuel lines No leaks
Fuel tank sump, gascolator drains 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 Normal
Control rod ends Free without looseness
Steel tube frame No cracks
All fasteners Tight
Tail rotor control No interference

2. Main Rotor

CAUTION

Do not pull down on blades to teeter rotor. To lower a blade, push up on opposite blade.

Blades Clean and no damage/cracks

CAUTION

Verify erosion on lower surface of blades has not exposed skin-to-spar bond line. Reference Rotor Systems description in Section 7.

DAILY OR PREFLIGHT CHECKS (cont'd)

2. Main Rotor (cont'd)

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

Carb air ducts Secure
Carb heat scoop Secure
Engine sheet metal No cracks
Fuel lines No leaks
Oil lines No leaks or chafing
Exhaust system No cracks
Primer (if installed) Prime as required/
Locked/No leaks
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
Sheave condition Check
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

5. Engine Rear

Cooling fan nut Pin in line with marks
Cooling fan No cracks
Fan scroll No cracks
Tailpipe hanger No cracks

DAILY OR PREFLIGHT CHECKS (cont'd)

6. Empennage
 - Tail surfaces No cracks
 - Fasteners Tight
 - Position light Check
 - Tail rotor guard No cracks
7. Tail Rotor
 - Gearbox Telatemp Normal
 - Gearbox Oil visible, no leaks
 - Blades Clean and no damage/cracks
 - Pitch links No looseness
 - 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 (if installed) Secure, no leaks
 - Throttle linkage Operable
 - 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

171wt payload: 620 lbs.; 808wt payload: 650 lbs.
10' walk-around and pre-lift flow check!

Hangar: 2777; Lounge: 5314

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 and 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
 - Clock Functioning
 - Adjustable pedals (if installed) Pins secure

Headsets

CAUTION

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