

SECTION 4

NORMAL PROCEDURES

RECOMMENDED AIRSPEEDS

Takeoff and Climb	60 KIAS
Maximum Rate of Climb (V_Y)	53 KIAS
Maximum Range	83 KIAS*
Significant Turbulence	60 to 70 KIAS*
Landing Approach	60 KIAS
Autorotation	60 to 70 KIAS*

* Certain conditions may require lower airspeed.
See V_{ne} placards in Section 2.

DAILY OR PREFLIGHT CHECKS

Remove ground handling wheels and all covers and tiedowns. Remove even small accumulations of frost, ice, or snow, especially from rotor blades. Check maintenance records to verify aircraft is airworthy.

Check general condition of aircraft and verify no visible damage, fluid leakage, or abnormal wear. Verify no fretting at rivets and 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 Telatemps show no temperature increase that cannot be attributed to a change in operating conditions (mechanics draw a reference line to the right of the highest temperature square which has darkened in operation). Verify torque stripes on critical fasteners are not broken or missing.

DAILY OR PREFLIGHT CHECKS (cont'd)

2. Engine Right Side (cont'd)

Upper Sheave Condition	Check	
Lower sheave groove wear	Smooth & Uniform	
Flex coupling	No cracks, nuts secure	
Yoke flanges	No cracks	
Steel tube frame	No cracks	
Tail rotor control	No interference	

3. Engine Rear

Cooling fan nut	Pin in line with marks
Cooling fan	No cracks
Fan scroll	No cracks
Teletemps – lower bearing	Normal
Lower bearing	No leaks

4. Empennage

Tail surfaces	No cracks	
Fasteners	Secure	
Position light	Check	

5. 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

6. Tailcone

Skins	No cracks or dents	
Strobe light condition	Check	
Antenna	Check	