

TH-57 TURN AROUND INSPECTION

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TH-57 DAILY INSPECTION

H-1. TURN AROUND INSPECTION

This inspection is conducted between flights to ensure the integrity of the aircraft for flight, verify proper servicing and to detect degradation that may have occurred during the previous flight. This appendix contains abbreviated minimum inspection requirements necessary to satisfy the intent of the turn around inspection.

The turn around inspection may be considered valid for a period of 24 hours, provided that no flight and no maintenance other than servicing occurs during this period. The accomplishment of the daily inspection does not satisfy the turn around inspection requirements.

H-2. GENERAL



AREAS MUST BE FREE OF FOREIGN OBJECTS.

1. The following items must be installed/ removed or properly positioned/ immediately available (as applicable):
 - (a) Fire extinguisher.
 - (b) Pitot tubes and engine inlet covers.
 - (c) Main rotor tie downs.
2. Perform walk around and inspect the exterior of the helicopter for damage, loose or missing fasteners and the security of the access panels.

NOTE

In the event that maintenance, other than servicing, must be performed after the Daily, Pre-Flight, or Turn Around Inspection, Maintenance Control shall determine if a complete Daily, Pre-Flight or Turn Around or just a portion thereof is required.

H-3. NOSE AREA

1. Inspect pitot tubes for security, heads for obstructions, static ports for obstructions.

H-4. CABIN AREA

1. Check windshield and windows for cleanliness, cracks, holes or scratches.
2. Inspect doors for security, damage and shear wire.

WARNING

LOOSEN CAP CAREFULLY; FUEL MAY BE ABOVE FILLER NECK.

3. Check fuel level.
4. Check rotor brake hand pump for leakage and security.
5. Battery switch ON (22vdc minimum)
6. Check fuel quantity indicator for proper operation.
7. Check anti-collision and caution panel lights for proper operation.
8. Fuel valve switch in ON position/switch guard pin for security (TH-57C).
9. Check position lights for proper operation (night flights only).
10. Battery switch in OFF position.

H-5. TRANSMISSION / PYLON (RH)

1. Inspect control linkage and servos for security, damage or leakage.
2. Check transmission for proper oil level or leakage.
3. Check hydraulic reservoir for proper fluid level and leakage.
4. Check filter and bypass button for proper position.
5. Inspect main driveshaft for leakage, security, damage and overheating.

6. Check oil and hydraulic lines for leakage and security.

H-6. LOWER FUSELAGE (RH)

1. Inspect landing gear for damage, security or missing hardware.
2. Check skid shoes for security or missing hardware.

H-7. ENGINE AREA (RH)

1. Check engine oil level and for oil leakage.
2. Check oil and fuel lines for leakage and security.
3. Inspect starter-generator clamp and T-bolt for cracks, breaks and proper lockwire.
4. Inspect main driveshaft for leakage, security, damage and overheating.
5. Check rotor brake assembly for leakage and security.
6. Check freewheeling unit chip plug for chips.

H-8. AFT FUSELAGE (RH)

1. Check VOR (Towel Bar) antenna for damage and security.

H-9. TAILBOOM (RH)

1. Inspect driveshaft cover for damage, security and missing fasteners.
2. Check horizontal stabilizer for damage and security.
3. Check vertical fin and tail skid for damage and security.

H-10. TAILBOOM (LH)

1. Check tail rotor gearbox oil level and for leakage.
2. Inspect tail rotor for damage, security and loose hardware.
3. Check driveshaft cover for damage, security and missing fasteners.

4. Check horizontal stabilizer for damage and security.

H-11. AFT FUSELAGE (LH)

1. Check baggage compartment for security of equipment.
2. Ensure standby battery circuit breaker is in.
3. Check oil filter for leakage and ensure bypass button is in.
4. Check VOR (Towel Bar) antenna for damage and security.

H-12. LOWER FUSELAGE (LH)

1. Check landing gear for damage, security and missing hardware.
2. Check skid shoes for security or missing hardware.

H-13. ENGINE AREA (LH)

1. Inspect engine for fuel and oil leakage.
2. Check oil and fuel lines for leakage and security.
3. Inspect rotor brake assembly for leakage and security.

H-14. TRANSMISSION / PYLON (LH)

1. Inspect control linkage and servos for security, damage and leakage.
2. Inspect transmission for leakage and security.
3. Check oil and hydraulic lines for leakage and security.

H-15. MAIN ROTOR AREA

1. Inspect main rotor blades for damage, security and bond separation.
2. Check main rotor hub assembly for damage and security.
3. Check mast nut locking device for security and lockwire.
4. Check rotating control / linkage for damage and security.