

**OPERATOR'S AND CREWMEMBER'S
CHECKLIST
OH-58A/C HELICOPTER
1 April 2003**

**DISTRIBUTION STATEMENTS A: Approved for public release;
distribution is unlimited.**

**This manual supersedes TM 1-1520-228-CL,
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HELICOPTER AND SYSTEMS

BEFORE EXTERIOR CHECK

1. Publications – Check.
2. Covers, locking devices, tiedowns (except main rotor), and grounding cables – Removed and secured.
3. Ignition switch – On.
4. Cockpit – Check.

EXTERIOR CHECK

1. Cabin interior – Check.
2. Fuselage (Area 1) – Check.
3. Tailboom (Area 2) – Check, tiedown removed.
4. Main rotor blade (Area 2) – Check, tiedown removed.
5. Tail rotor gear box – Check.
6. Tail rotor – Check.
7. Tailboom (Area 3) – Check.
8. Fuselage (Area 4) – Check.
9. Main rotor blade (Area 4) – Check.
10. Fuselage top – Check.
11. Main rotor system – Check.
12. Fuselage (Area 5) – Check.
13. Cockpit – Check.
14. Fuselage (Area 6) – Check.
15. Crew and passenger briefing – Complete.

BEFORE STARTING ENGINES

1. Shoulder harness lock(s) – Check.
2. Overhead switches and circuit breakers – Set.
3. GPU – Connect for GPU – start.
4. Avionics – Off and set.
5. Instrument panel instruments & switches – Check and set.
6. Flight controls – Check and set.
7. Throttle – Check. Move to open, then to idle stop; press idle release and close.

STARTING ENGINE

1. Fireguard – Post if available.
2. Rotor Blades – Check clear and untied.
3. Engine – Start.
4. GPU – Disconnect; then BAT switch – BAT, if required.
5. N2 – Stabilized.
6. THROTTLE ADJUST – 70 percent N1.
7. GEN switch – GEN.
8. DC amps – Check 60 or less.
9. INV switch – INV.
10. Avionics – On.

ENGINE RUNUP

1. Engine and transmission instruments – Check.

2. Throttle – Slowly increase to open. Set N2 to 100 percent.
3. HEAT and DEICE systems – Check if use is anticipated; then set as required.
4. Avionics – Check as required.
5. Flight instruments – Check and set.
6. Doors, armor side panels: and seat belts – Secure.
7. Health indicator test (HIT) – Check.
8. Deceleration check – Perform if required.

BEFORE TAKEOFF

1. N2 – 100 percent.
2. Systems – Check.
3. Crew, passengers, mission equipment, and seat belts – Check.
4. Avionics – As required.

HOVER CHECK

1. Flight controls – Check.
2. Engine and transmission instruments – Check.
3. Flight instruments – Check as required.
4. Power – Check.

BEFORE LANDING

1. Crew, passenger, and mission equipment – Check.
2. Landing light – As required.

ENGINE SHUTDOWN

1. Throttle – Engine idle: stabilize TOT for two minutes.
2. FORCE TRIM switch – FORCE TRIM.
3. FUEL BOOST switch – OFF.
4. NGV/LDG LTS – OFF.
5. Control frictions – On.
6. Avionics – On.
- 7. Overhead switches and circuit breakers – Set.
8. Battery charge – Check.
9. Throttle – Close.
10. Overhead switches – OFF as required.
11. Ignition switch – OFF (Keys as required.)
- 12. Doors – Close immediately after exiting.

BEFORE LEAVING THE HELICOPTER

1. Main rotor blades – Tie down as required.
2. Walk-around – Complete.
3. DA Form 2408-12 and 2408-13-1-Complete.
4. Secure helicopter – As required.

THRU-FLIGHT CHECKLIST

PREFLIGHT

1. Covers, locking devices, tiedowns (except main rotor), and grounding cables – Removed and secured.
2. Ignition switch – On.
- 3. Cargo/loose equipment – Check.
- 4. Auxiliary fuel cell – Check.
5. Passenger and seat belts – Check.
6. Hydraulic reservoirs/servos and flight controls – Check.
7. Transmission compartment – Check.
8. Fuel – Check quantity.
9. Main rotor blade – Check, tiedown removed.
10. Tail rotor gearbox – Check.
11. Tail rotor – Check.

12. Engine Oil Level – Check.
13. Main rotor system – Check condition.
14. Crew and passenger briefing – Complete.

BEFORE STARTING ENGINE

1. ANTI COLL LTS switch – As required.
2. POS LTS switch – As required.
3. BAT switch – As required.
4. GPU – Connect for GPU start.
5. Flight control – Check and set.
6. Throttle – Check. Move to open, then to idle stop; press idle release and close.

STARTING ENGINE

1. Fireguard – Post if available.
2. Rotor Blades – Check clear and untied.
3. Engine – Start.
4. GPU – Disconnect; then BAT switch – BAT, if required.
5. N2 – Stabilized.
6. THROTTLE ADJUST – 70 percent N1.
7. GEN switch – GEN.
8. DC amps – Check 60 or less.
9. INV switch – INV.
10. Avionics – On.

ENGINE RUNUP

1. Engine and transmission instruments – Check.
2. Throttle – Slowly increase to open. Set N2 to 100 percent.
3. Flight instruments – Check and set.
4. Doors, armor side panels; and seat belts – Secure.

BEFORE TAKEOFF

1. N2 – 100 percent.
2. Systems – Check.
3. Crew, passengers, mission equipment, and seat belts – Check.
4. Avionics – As required.

By Order of the Secretary of the Army:

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