

Preflight Check Points

Visual Check

- Check Searchlight mounting wing-bolts for tightness and verify that the Safety Lanyards are attached.
- Inspect safety cables:
 - 1) Searchlight to Gimbal Arm
 - 2) Gimbal Arm to Aircraft
- Ensure that Searchlight to aircraft mounting system is secure.
- Check Searchlight for signs of excessive side-to-side or up-down movement.
- Inspect electrical cables for signs of abrasion and integrity of connection.
- Check all visible fasteners for signs of corrosion and integrity.
- Check the front window for cleanliness and damage.

Function Test

- Verify Searchlight operation — (This may require auxiliary power)
 - 1) On, Off and Start
 - 2) Eight-way Control
 - 3) Focus
- Check the following optional accessories — if so equipped.
 - 1) IFCO motorized filter system
 - 2) Thermal imaging linking system.
 - 3) Secondary control system
 - 4) Auto-Stow System

Recommended Daily Inspection

This routine should be performed by maintenance personnel and/or trained flight crew in addition to the Preflight Check on the back of this card. Refer to the maintenance manual for details.

Visual Check

- Inspect the Searchlight to aircraft mounting fasteners for corrosion and integrity.
- Inspect all safety locking devices such as lock wire, safety cables and locking inserts.
- Inspect Azimuth stop pins and elevation stop plate for signs of damage, corrosion and integrity.
- Inspect the Reflector for signs of corrosion or debris.
- Inspect base of drive bosses on Searchlight Housing for cracked welds.

Functional Test

- On, Off, Lamp Start — Allow lamp to run one to two minutes
- Observe Cooling Blower for intermittent operation or sounds of harshness.
- Observe that the lamp is properly focused.
- Verify azimuth and elevation clutch breakaway torque.