# Servicing the Flash Cover Lock Cylinder Assembly

**Context**

☑ ThermoFlex

**Background**

During imaging, the flash cover is locked in the closed position by two pneumatically actuated plungers. This procedure covers the servicing of the cylinder assembly.

**Tools and parts**

- 3mm Allen key
- small crescent wrench
- needle nose pliers
- RC609 bearing retaining compound

**Steps**

**Disassembly:**

1. Remove the flash cover (see flash cover removal procedure).
2. Disconnect the lock plunger cylinder airlines.
3. Remove the two screws securing the cylinder assembly to the roller mounting plate.
4. Remove the cylinders from underneath the crossmember.
5. Remove the nylon acorn nut from the plunger rod.
6. Remove the two screws securing the cylinder to the bushing retainer.
7. Withdraw the cylinder from the bushing block.
8. Separate the plunger rod from the cylinder rod to remove the return spring.

**Inspection:**

1. Replace the return spring if it is damaged or fatigued.
2. Check the plunger rod for heavy scoring.

   Replace if necessary.
3. Check the cylindrical bushing for damage.
4. Replace the nylon acorn nut if damaged or worn.

**Re-assembly:**

1. Re-assembly is the reverse of removal.