

ARCS PROCEDURE:	IRT SHUTTER LUBRICATION PROCEDURE	PRO(IRT)-007.000
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## IRT Shutter Lubrication Procedure

### I. Purpose:

This document describes how to lubricate the IRT shutter mechanism.

### II. Cautions and Hazards:

None.

### III. Requirements:

- Clean cloth
- Silicone lubrication spray with extension nozzle (e.g., WD-40)
- Isopropyl alcohol
- Paper towel (e.g., KimWipe)

### IV. Procedure:

#### A. Lubricating IRT Shutter Mechanism:

1. Place a cover on the lens.
2. Manually move the shutter into the closed position and hold it. The shutter will rise as it moves over the lens.
3. Using the lubrication spray with an extension nozzle, carefully spray around the solenoid shaft.
4. Release the shutter. It should move back into the lower stowed position.
5. Repeat the step 4 approximately 10 times to allow lubricant to be thoroughly applied around the solenoid.
6. Use a wet cloth to trigger the rain sensor and watch to ensure the shutter closes.
7. Remove the wet cloth and let the sensor dry. The shutter should move into the stowed position exposing the lens.
8. Repeat the steps 6 and 7 a few times.
9. Clean any excess lubricant around the shaft and on any other part of the IRT.
10. Remove the cover from the lens.
11. Make sure the lens is clean. Use isopropyl alcohol and paper towel if necessary.

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**V. References:**

None.

**VI. Attachments:**

None.