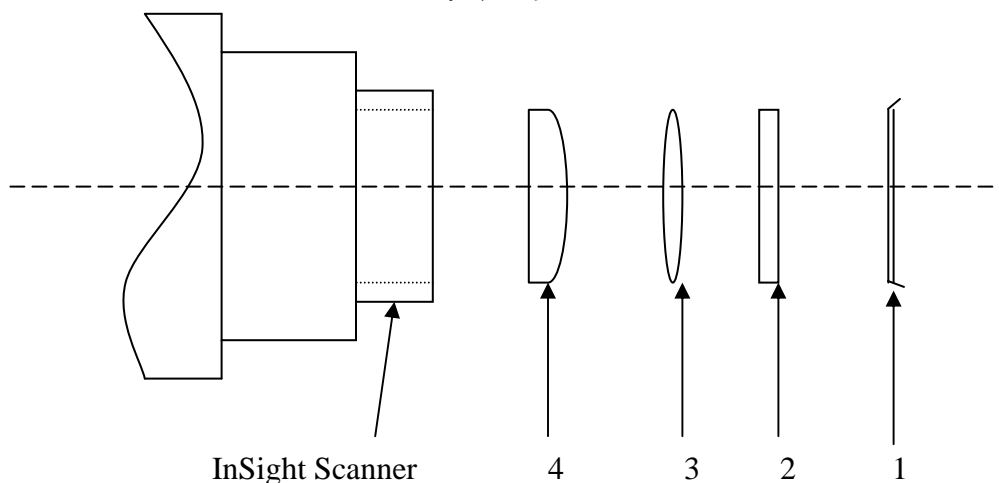




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INSTRUCTION SHEET INSIGHT LENS and RETAINER KIT P/N 129-171



Item	Quantity	Part Number	Description
1	1	34-235	Lens Retaining Ring
2	1	49-558	Back-up Washer
3	1	34-230	O-ring
4	1	46-181	Lens

INSTRUCTIONS

The following must be performed in a clean dust-free environment on a static-free work surface. Wear gloves when handling the new lens to avoid contaminating the quartz.

1. Clean the scanner's external surfaces of all dirt and oil.
2. Remove the old lens retaining-ring. Scanners made before 2004 used a threaded ring that can be removed with a spanner wrench (Edmund Optics p/n R36-413 or equal). Current scanners use a pressed-in friction ring (p/n 34-235) that can be removed with a small screwdriver.
3. Remove the old back-up washer, o-ring, and lens.
4. Carefully clean the scanner housing's machined lens seat, making sure that no material falls into the scanner housing.
5. Install the new lens with the flat side facing the scanner.
6. Install the new o-ring and back-up washer.
7. Install the lens retaining-ring. If using the old threaded style, torque to 8 lb-ft (1.1 kg-m). If using the friction-ring style, install with the "dished" surface facing away from the scanner housing. Using a 1" plastic or PVC pipe as a tool, carefully press the friction-ring in place with a maximum of 60 lbs. of force.