

Cleaning the Objective Lens



- Do not wipe or rub the objective lens if there is dirt or dust on it. Doing so could scratch the surface of the lens.
- Do not wipe the objective lens with disinfectant ethanol, eyeglass cleaner, or silicone-coated paper. Doing so could corrode the surface of the lens or leave streaks.

For information about lens cleaning paper, lens cleaner, and blowers, contact the Canon representative or distributor from whom you purchased the CR-2.

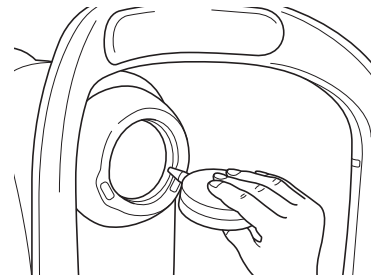
If the objective lens is dirty, clean it according to the procedure below.

1 Check for any dirt.

Illuminate the objective lens with a penlight to check for dirt.

2 Blow away any dust or dirt.

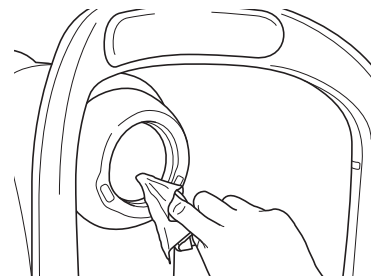
Use a blower to blow away any dust or dirt on the lens. Do not use a brush to dust off.



Do not allow the blower to touch the objective lens.

3 Wipe the objective lens.

1. Slightly dampen a lens cleaning paper with lens cleaner and lightly wipe the objective lens.
2. Starting from the center of the lens, wipe the lens in spirals toward the circumference.
3. Change the lens cleaning paper and wipe the objective lens until the dirt is gone and there are no streaks.




Use lens cleaning paper and lens cleaner designated by Canon.

Cleaning the Image Sensor

The digital camera has a self-cleaning sensor unit. Dirt and dust on the front surface of the imaging sensor are automatically removed when the power is turned on or off. This function makes it possible to remove the majority of dirt and dust that may interfere with images. It is not necessary to be aware of this function during normal usage.

To use the self-cleaning sensor unit for cleaning, follow the procedure below.

- 1** Make sure that the power switch for the retinal camera is turned off.
- 2** Switch the digital camera's power switch from on to off, or from  to off.
The self-cleaning sensor unit starts and the imaging sensor is cleaned.
- 3** Check that the dirt and dust have been removed.
- 4** Switch the digital camera's power switch to on, photograph an image and check the image.



If the above procedure does not remove the foreign object, the cause may not be dirt or dust. Contact the Canon representative or distributor from whom you purchased the CR-2.

Cleaning the Outside of the CR-2

WARNING

- Before cleaning the CR-2, be sure to turn off the power of all the devices, and unplug the power cord from the AC outlet.
 - Do not use alcohol, benzene, thinner or any other flammable cleaning solvent.
Otherwise, fire or electric shock may result.
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Do not clean the outside of the CR-2 with lens cleaner. It may corrode the material of the outside of the CR-2.

If the outside of the CR-2 is dirty, wipe it twice with a soft cloth. First use a cloth that has been soaked in diluted neutral cleanser and well wrung out. Then use a cloth that has been soaked in water and well wrung out.

Disinfecting the Forehead Rest

CAUTION

- To prevent the risk of infection, wipe the forehead rest with ethanol solution or any other disinfectant whenever changing patients.
- The forehead rest may be corroded if a disinfectant other than those above is used or if another disinfectant is added to ethanol.

For details on how to disinfect, consult a specialist.

Use a sanitized gauze or wipe that includes disinfectant to clean the forehead rest for each patient.

Refilling Chin Rest Paper

CAUTION

If the chin rest paper is not being used, be sure to disinfect the chin rest whenever the patient is changed. For details on how to disinfect, see the Disinfecting Forehead Rest section.

- 1 Pull out the right and left chin rest holding pins.
- 2 Insert the holding pins into the holes on the right and left of the chin rest paper.
- 3 Attach the chin rest paper to the chin rest with the pins pressing into the holes on the chin rest.



Chin rest paper is a consumable product (sold separately). To purchase chin rest paper, contact the Canon representative or distributor from whom you purchased the CR-2.

Attaching and Removing the Digital Camera

The CR-2 is equipped with a specialized digital camera. It is not necessary to attach or remove the digital camera during normal usage.

To replace the digital camera, follow the procedure below to remove and attach the digital camera.



Note the following points if it is necessary to remove and attach the digital camera.

- Work quickly in a location where there is little dust.
- When removing the digital camera for storage, be sure to attach the supplied camera mount cap to the retinal camera and the body cap to the digital camera.
- Wipe off any dust from the camera mount cap and the body cap before attaching them.
- Do not touch the lens in the main unit or the mirror in the digital camera. It is not possible to take good images if dirt, fingerprints, or dust on these parts.