7.6　Cleaning

This section explains how to clean the forehead rest, face shields, measuring windows, printer, Eye-Care cards, and exterior.
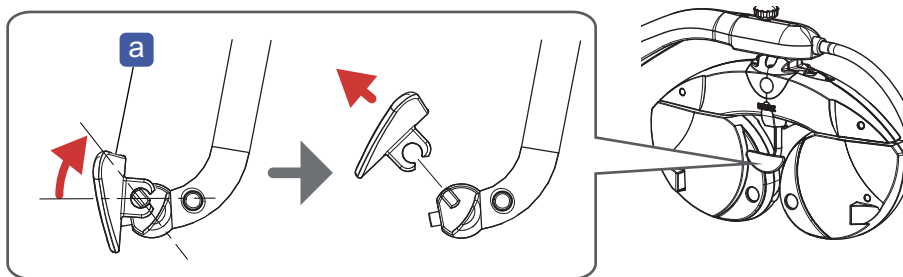
7.6.1　Forehead rest

> ⚠ **CAUTION**
>
> • Wipe the forehead rest using a cloth dampened with rubbing alcohol before refraction.
>
> • Be sure to attach the forehead rest after cleaning.
> 　　Using the device without attaching the forehead rest may cause injury.

1 Remove the forehead rest **a** .

　1）Tilt the forehead rest upward.

　2）Pull the forehead rest at an angle to remove it.

2 For severe stains, dampen the cloth with a neutral detergent, wring well, and wipe. Finally dry with a soft, dry cloth.

3 Wipe the forehead rest using a cloth dampened with rubbing alcohol before refraction.

4 Press the forehead rest at an angle from above to reattach it.
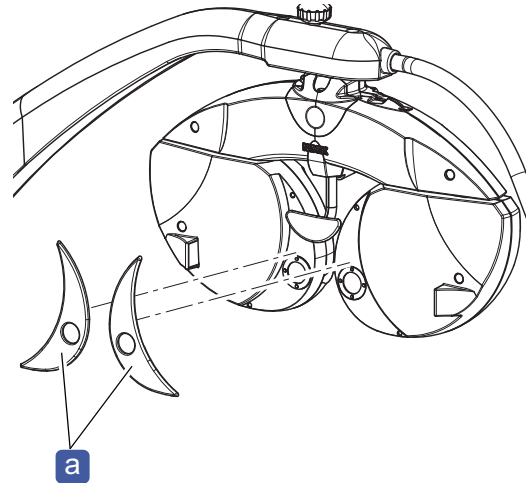
7.6.2　Face shields

> ⚠ **CAUTION**
>
> • Wipe the face shields using a cloth dampened with rubbing alcohol before refraction.
>
> • Hold the refractor head when removing or attaching the face shields.
> 　　An improper refractor head movement may cause injury.

> • Do not wipe the inside of the face shields with neutral detergent.
> 　　If the inside is moistened, it may rust.
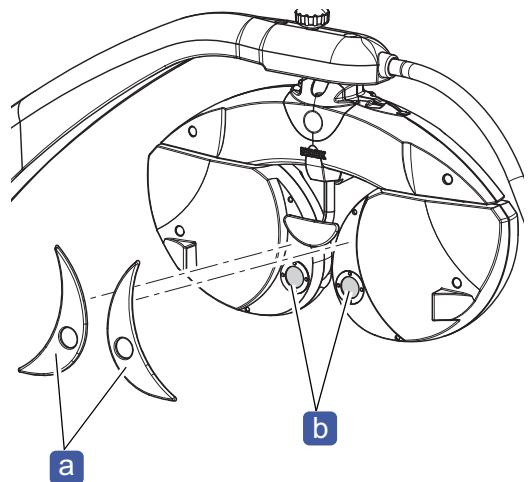
1 Remove the face shields [a] .

The face shields are magnetically held to the refractor head.

2 For severe stains, dampen the cloth with a neutral detergent, wring well, and wipe. Finally dry with a soft, dry cloth.

3 Wipe the face shields using a cloth dampened with rubbing alcohol before refraction.

4 Reattach the face shields.

7.6.3 Measuring windows

> ⚠ **CAUTION**
>
> • Remove any dust on the windows with a blower brush before cleaning them.
>   Wiping the windows with dust on may scratch the glass of the measuring windows.
> • If the measuring window is dirty with fingerprints, eyelash oil, or dust, accurate measurement cannot be performed. Be sure to check the measuring windows before refraction. Clean them if necessary.
> • Clean the measuring windows before refraction.
> • Do not clean the measuring windows using a cloth moistened with detergent or such.
>   Wiping marks may be left or the surface coating may be damaged.

1 Remove the face shields [a] .

2 Blow off the dust on the measuring windows [b] with a blower.

Clean the measuring windows of both the patient's side and the operator's side.
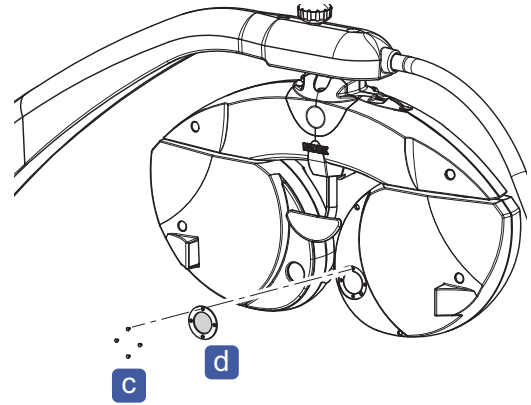
3 For severe stains, lightly wipe with a soft cloth that does not scratch the protective glass of the measuring windows.

4 Reattach the face shields.

● When the inside of the measuring window becomes dirty

If the inside of the measuring window becomes dirty due to condensation or such, remove the protective glass and wipe its inside.

Remove the protective glass on both the operator's side and patient's side with a Phillips precision screwdriver.

1) Remove the face shields before removing the protective glass on the patient's side.

2) Unscrew the set screws (n = 4) [c] to remove the protective glass [d].

3) Reattach the protective glass after cleaning and fasten it with the set screws removed earlier.

⚠ CAUTION

- Do not touch the internal lens.
- Ensure that dust does not enter the measuring windows.

7.6.4 Printer

The auto cutter of the printer becomes dirty with paper residue when used for extended periods of time. Leaving it may cause auto cutter malfunction. Clean the auto cutter.

⚠ CAUTION

- Do not touch the auto cutter.
   The auto cutter may hurt fingers.

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1 Open the printer cover and remove the printer paper roll.

↳ *"7.5 Printer Paper Replacement" (page 261)*

2 Apply the nozzle of a vacuum cleaner to the auto cutter [a] to remove paper residue.

Do not blow off paper residue with a blower. If paper residue settles on the internal working structure, malfunction may result.

3 Reload the printer paper.