# Replacing the Collimator Assembly for the Cephalostat

> ⚠️ **WARNING:** Before removing the covers, you MUST switch OFF the unit AND disconnect the unit from the main power supply by switching OFF the circuit breaker in the electrical cabinet.
>
> ONLY an approved Carestream technician is qualified to inspect or maintain the unit while it is switched on and while the covers are removed. In this case, NO unqualified person must approach the unit.

## Description

The collimator assembly for the cephalostat directs the X-ray beam for image acquisition.

## Removing the Collimator Assembly for the Cephalostat

### Tool Requirements

You must supply the following tools:

- Metric allen keys.
- Metric spanners.
- Flathead screwdriver.
- Cephalometric Modality technician toolkit.

> ℹ️ **Note:** The tool references mentioned in this guide are ISO tool references.

### Before Removing or Replacing the Collimator Assembly

Before removing or replacing the collimator assembly for the cephalostat make sure that:
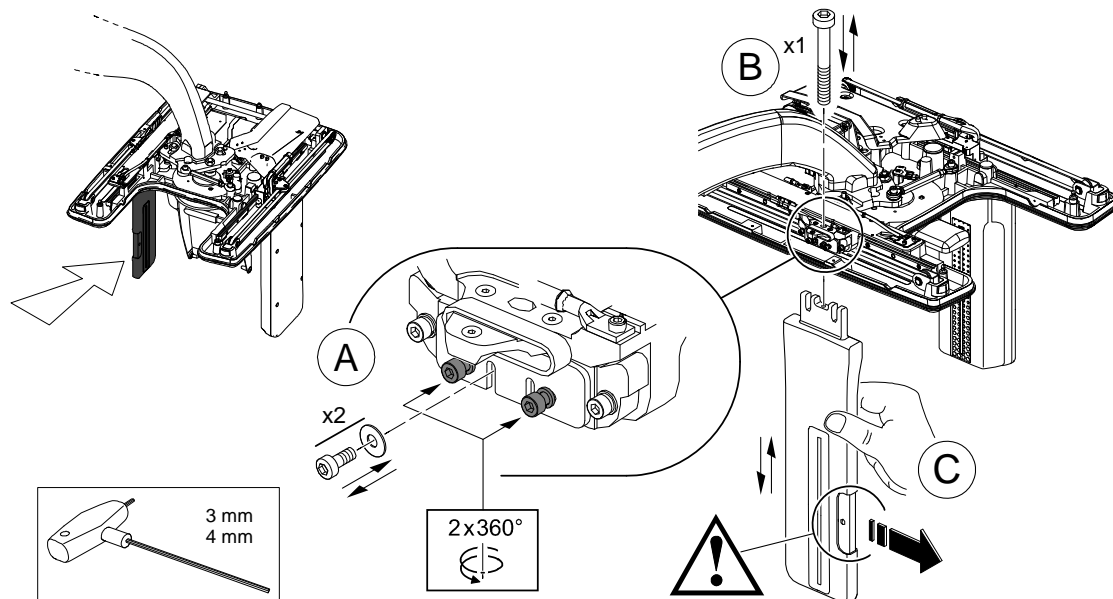
- The unit is **disconnected from the main power supply** by switching **off** the circuit breaker in the electrical cabinet.
- The unit is switched **off**.
- The cephalostat top covers are removed.
- You have the required tools.
- You have the appropriate new collimator assembly for the cephalostat.

To remove the collimator assembly for the cephalostat, follow these steps:

1.  Remove the two inner screws and washers and loosen the two outer screws Ⓐ.

> ⚠️ **Important:** The two outer screws are larger than the two inner screws.



2.  Hold the collimator assembly with one hand and remove the top height adjustment screw Ⓑ.

3.  Remove the collimator assembly Ⓒ.

# Replacing the Collimator Assembly for the Cephalostat

To replace the collimator assembly for the cephalostat, follow these steps:

1. Position the collimator assembly so that the:

   - Screw holes are aligned Ⓒ.

   - Frankfort plane positioning indicator is on right side as illustrated Ⓒ.

2. Insert and tighten the four screws and washers Ⓐ.

> ⚠️ **Important: The two outer screws are larger than the two inner screws.**

3. Insert and tighten the top height adjustment screw Ⓑ.

> 💡 **Tip:** Do **not** tighten this screw all the way as you use this later to adjust the height of the collimator during the calibration of the collimator.

4. Switch on the unit.

# Testing the Collimator Assembly for the Cephalostat

To test the cephalostat collimator assembly, follow these steps using:
- The Service Tools For CS 8100 Family:

1. Calibrate the cephalostat collimator assembly by running **Setup secondary collimator with the ceph sensor** under **Full cephalometric procedure**.

   Follow the on-screen instructions.

2. Register the intervention.
   See "Registering the Intervention".

 - The Equipment Tools  for CS 9600 with SC:

1. Under **Full cephalometric procedure**, run Ceph Sensor Tilt Calibration. Follow the on-screen instructions.

2. Register the intervention.
   See "Registering the Intervention".