

RN-SPCGJ74

# Replacing the Cephalostat Sensor Assembly



**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 cephalostat sensor assembly enables an X-ray to be converted into electrical signals that in turn are converted to digital information and transmitted to the computer for X-ray imaging.

## Removing the Cephalostat Sensor Assembly

### Tool Requirements

You must supply the following tools:

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



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

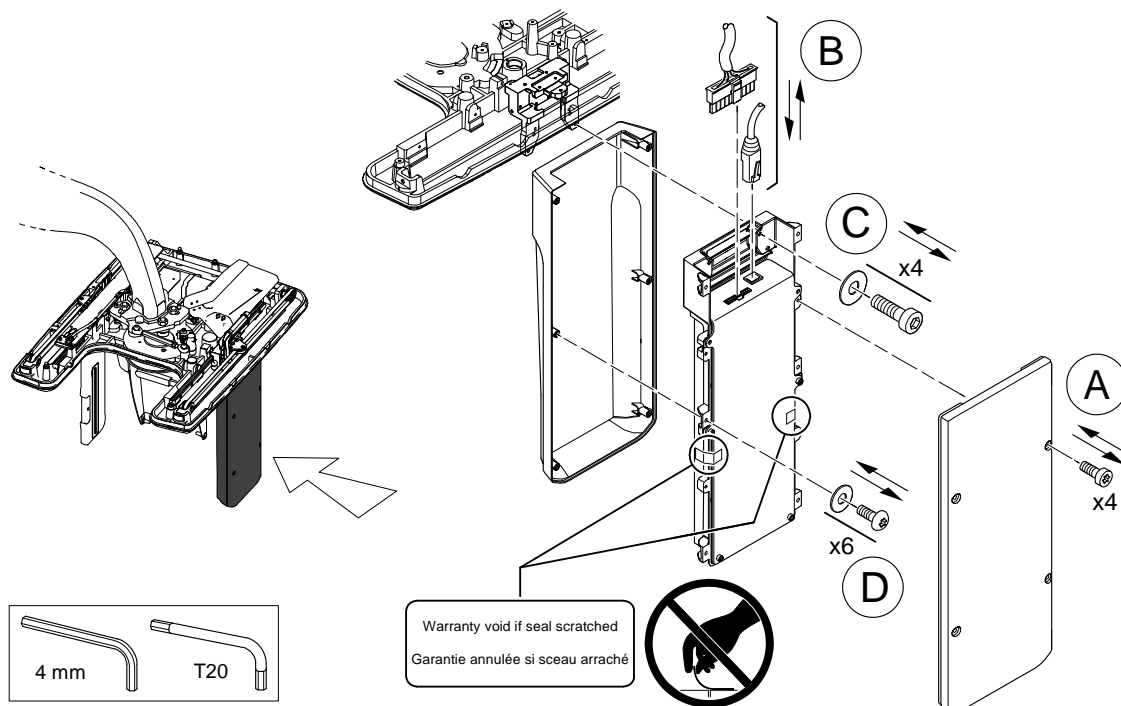
## Before Removing or Replacing the Cephalostat Sensor Assembly

Before removing or replacing the cephalostat sensor assembly, 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 cephalostat sensor assembly.
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To remove the cephalostat sensor assembly, follow these steps:

1. Remove the four screws and the back cover of the cephalostat sensor (A).



2. Disconnect the two cables at the top of the cephalostat sensor assembly (B).
3. Support the cephalostat sensor assembly with one hand and remove the four screws and washers at the top of the cephalostat sensor assembly (C).



**WARNING: The cephalostat sensor assembly is HEAVY. Take great care not to drop it when you remove the securing screws.**

4. Remove the six screws and the front cover of the cephalostat sensor assembly (D).

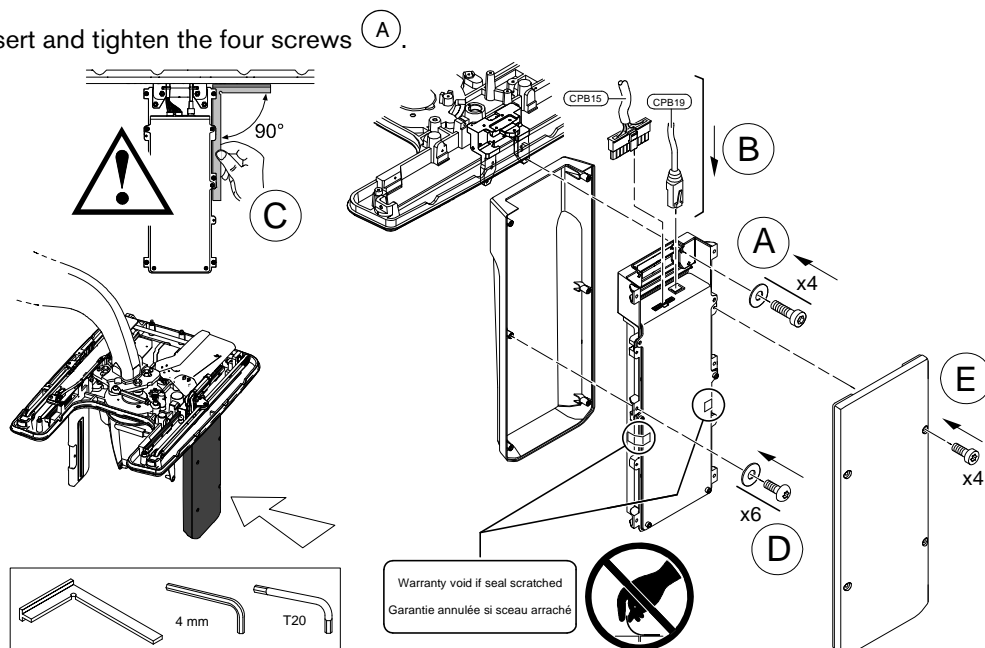
## Replacing the Cephalostat Sensor Assembly

Before replacing the cephalostat sensor assembly, 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**.
- You have the appropriate cephalostat sensor assembly.

To replace the cephalostat sensor assembly, follow these steps:

1. Position the cephalostat sensor assembly so that the screw holes are aligned.
2. Insert and tighten the four screws (A).



3. Connect the two cables at the top of the cephalostat sensor assembly (B).
4. Place a set square and check that the sensor assembly is positioned at a right angle (90°) (C).
5. Position the front cover of the cephalostat sensor assembly and insert and tighten the six screws (D).
6. Position the back cover of the cephalostat sensor assembly and insert and tighten the four screws (E).
7. Switch on the unit.

## Testing the Cephalostat Sensor Assembly

To test the cephalostat sensor assembly, follow these steps using:

- The Service Tools For CS 8100 Family:

1. Under **Full cephalometric procedure**, run **Setup secondary collimator with the ceph sensor**. 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"](#).