

Replacing the Sensor for Units with Serial Numbers xxIDxxx



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.



WARNING: **MAKE SURE** that the sensor that you want to replace has a serial number that is compatible with the serial number of your unit.

Description

The sensor 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.

Tool Requirements

You must supply the following tools:

- Metric allen keys.
- Metric spanners.
- Flathead screwdriver.



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

Before Removing or Replacing the Sensor

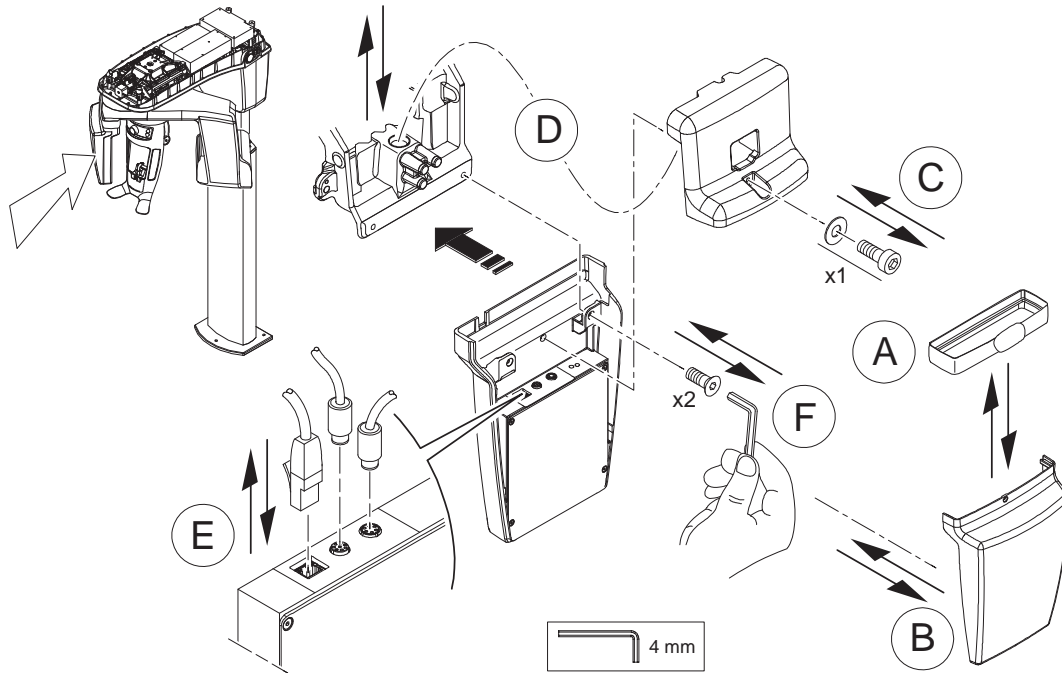
Before removing or replacing the sensor, make sure that:

- 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 head cover is removed.
- You have the required tools.
- You have the appropriate new sensor.

Removing the Sensor

To remove the sensor, follow these steps:

1. Remove the sensor cover collar (A).



Important: The sensor and back cover are one part.

2. Unscrew and remove the back sensor cover (B).
3. Remove the screw and washer from the counterweight (C).
4. Lift the counterweight up to disengage the locating peg and remove the counterweight from the unit (D).



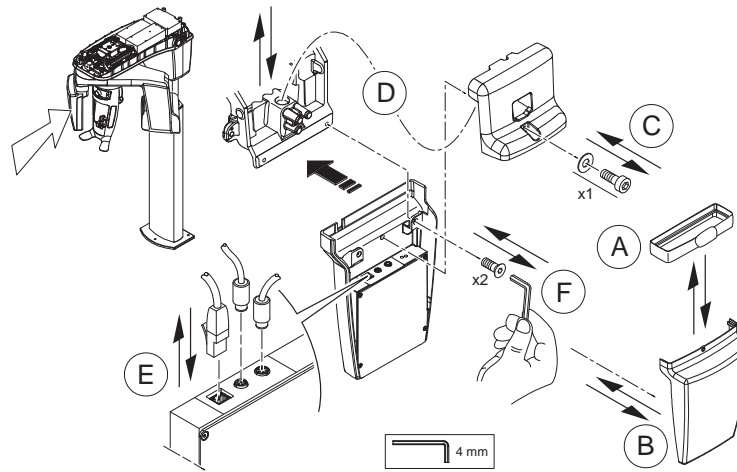
WARNING: The counterweight is very HEAVY.

5. Disconnect the three cables from the top of the sensor (E).
6. Support the sensor with one hand and remove the two screws (F).
7. Remove the sensor.

Replacing the Sensor

To replace the sensor, follow these steps:

1. Position the sensor with the cable connectors at the top (E).



2. Insert and tighten the two screws (F).
3. Connect the three cables on the top of the sensor (E).
4. Lift the counterweight and insert the locating peg on the back into the hole on the rotative arm (D).



WARNING: The counterweight is very HEAVY.

5. Insert and tighten the screw and washer on the counterweight (C).
6. Replace the back sensor cover (B).
7. Replace the sensor cover collar (A).
8. Switch on the circuit breaker in the electrical cabinet.
9. Switch on the unit.
10. Using the **Service Tools**, run the **3D sensor replacement procedure** under the **Part replacement** menu.

Testing the Sensor

To test the sensor, follow these steps using the **Service Tools**:

1. Run the post installation procedure.
2. Register the intervention.
See [“Registering the Intervention” on page 46](#).