Replacing the Cephalostat Sensor Cable Kit

⚠️ **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 cable kit connects the cephalostat sensor to the:

- Ethernet coupling in the cephalotstat head.
- J4 terminal on the CJ901 motor board.

Removing the Cephalostat Sensor Cable Kit

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 Cephalostat Sensor Cable Kit

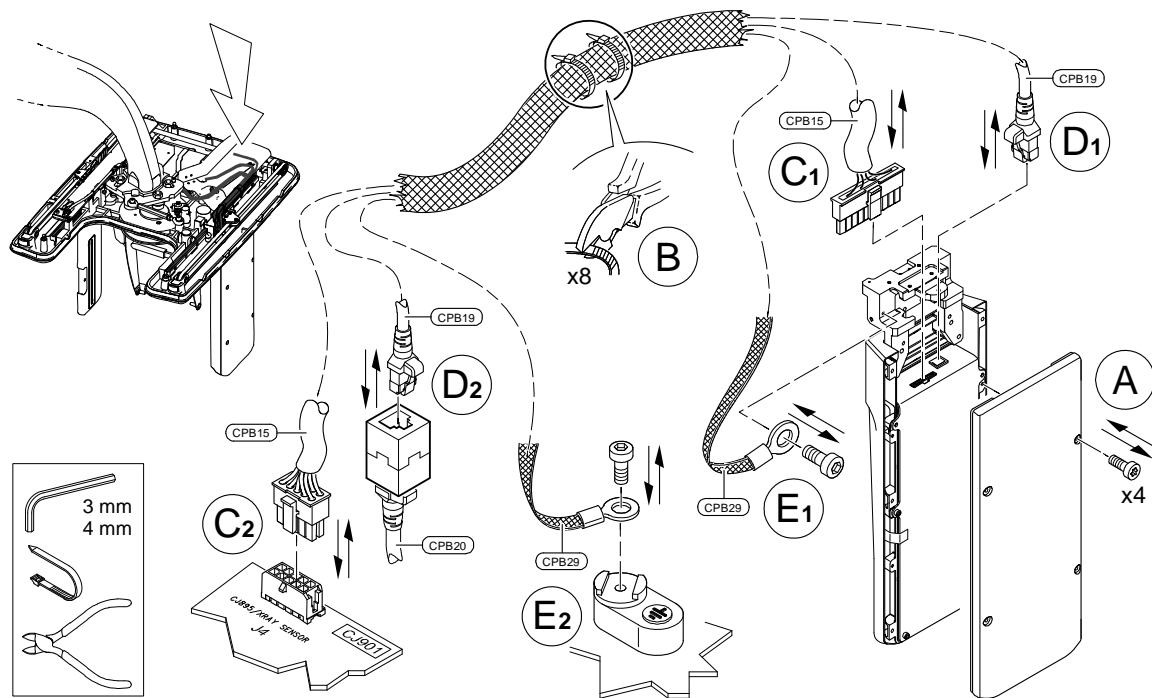Before removing or replacing the cephalostat sensor cable kit, make sure that:

- 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 cable kit.

To remove the cephalostat sensor cable kit, follow these steps:

> ⚠️ **Important:** Before you remove the cables and cable ties, it is essential that you note their exact positions so that you can replace them correctly to avoid unnecessary wear.

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

2. Cut the cable ties Ⓑ.

3. Disconnect the CPB 15 cable from the J4 terminal on the CJ895 sensor board on the top of the cephalostat sensor Ⓒ1.

4. Disconnect the CPB 15 cable from the J4 terminal on the CJ901 motor board Ⓒ2.

5. Disconnect the CPB 19 cable from the J3 terminal on the CJ895 sensor board on the top of the cephalostat sensor Ⓓ1.

6. Disconnect the CPB 19 cable from the CPB20 ethernet coupling Ⓓ2.

7. Disconnect the CPB 29 ground cable from the top of the cephalostat sensor Ⓔ1.

8. Disconnect the CPB 29 ground cable from the ground post Ⓔ2.

Replacing the Cephalostat Sensor Cable Kit

Before replacing the cephalostat sensor cable kit, 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 cephalotstat sensor cable kit.

To replace the cephalostat sensor cable kit, follow these steps:

> ⚠️ **Important: It is essential that the cables are correctly positioned to avoid unnecessary wear.**

1. Connect the CPB 29 ground cable to the ground post (E2).

2. Connect the CPB 29 ground cable to the top of the cephalostat sensor (E1).

3. Connect the CPB 19 cable to the CPB20 ethernet coupling (D2).

4. Connect the CPB 19 cable to the J3 terminal on the CJ895 sensor board on the top of the cephalostat sensor (D1).

5. Connect the CPB 15 cable to the J4 terminal on the CJ901 motor board (C2).

6. Connect the CPB 15 cable to the J4 terminal on the CJ895 sensor board on the top of the cephalostat sensor (C1).

7. Fit the cable ties (B).

8. Position the back cover of the cephalostat sensor and insert and tighten the four screws (A).

Testing the Cephalostat Sensor Cable Kit

To test the cephalostat sensor cable kit, follow these steps using the acquisition interface

1. Acquire a panoramic image with nothing in the field of view and using low kV and mA (for example, 60 kV and 2 mA).

2. Acquire a cephalometric image with nothing in the field of view and using low kV and mA (for example, 60 kV and 2 mA).

3. Register the intervention in the Service Tools/ Equipment tool.
   See "Registering the Intervention".