

GTEMP-0225 Rev 1

## Replacing the CJ857B or CJ917 Movement Detector Board



**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:**

- The CJ857B is compatible with the movement assembly with serial numbers CKxx999 and lower.
- The CJ917 is compatible with the movement assembly with serial numbers CLxx001 and higher.

### 1. Description

The CJ857B or CJ917 movement detector board:

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- Transmits information of the rotative arm position to the CJ848 microprocessor board.
- Detects the rotative arm movement during acquisition.

## 2. Removing the CJ857B or CJ917 Movement Detector Board

### Tool Requirements

You must supply the following tools:

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



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

### Before Removing or Replacing the CJ857B or CJ917 Movement Detector Board

Before removing or replacing the CJ857B or CJ917 movement detector board, 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 CJ857B or CJ917 movement detector board.
- You keep the ball and spring that you will remove and replace.

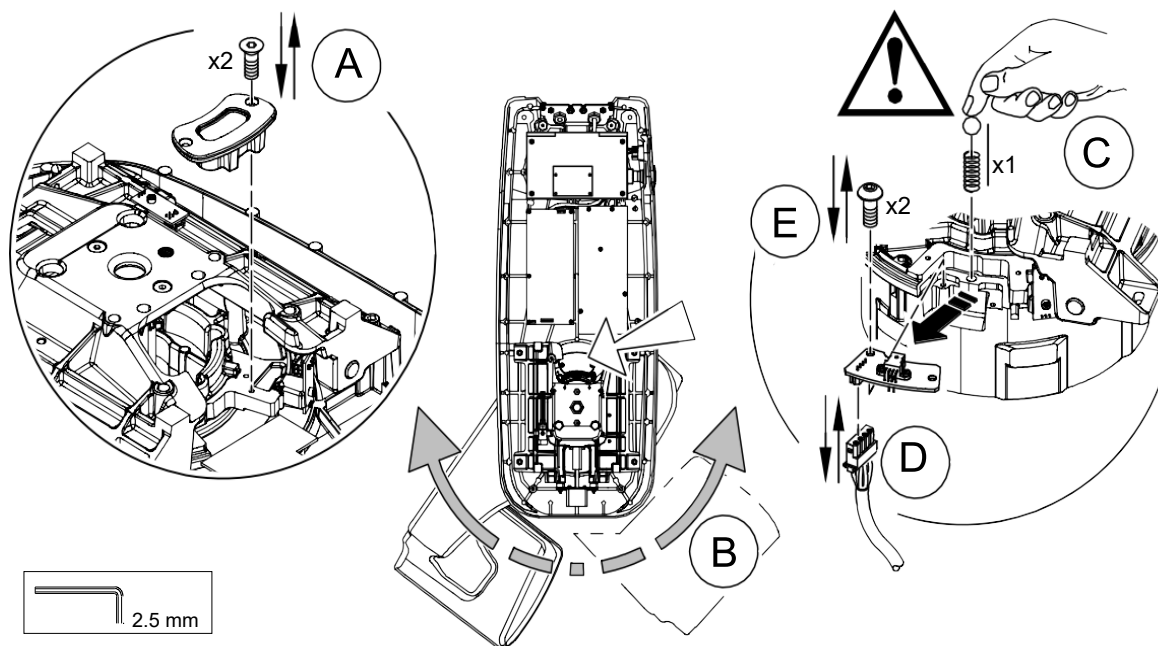
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To remove the CJ857B or CJ917 movement detector board, follow these steps:

1. Remove the two screws and lift off the metal access plate. (A)
2. Carefully turn the rotative arm counter-clockwise with one hand (B) until you just see the movement detector board and be ready with the

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other hand to catch the small plastic ball and spring. (C)



**WARNING:** You will **DAMAGE** the resistive track if you turn the rotative arm clockwise.



**Important:** Make sure you do **NOT** lose the ball and spring.

3. Remove the ball and spring.
4. Disconnect the cable. (D)
5. Remove the two screws.
6. Remove the CJ857 movement detector board. (E)

### 3. Replacing the CJ857B or CJ917 Movement Detector Board

To replace the CJ857B or CJ917 movement detector board, follow these steps:

1. Turn the rotative arm so that the slot for the spring and plastic ball lines up with the hole below. (B)

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2. Connect the cable to the movement detector board. (D)
3. Place the movement detector board in position with the cable detector underneath and the word **Top** visible.
4. Insert and tighten the two screws. (E)
5. With one hand, place the spring in the hole and hold the plastic ball on top. (C)
6. With the other hand, carefully turn the rotative arm **clockwise, just enough** to hold the plastic ball in position.

**WARNING: You will DAMAGE the resistive track if you use too much force to turn the rotative arm counter-clockwise.**

7. Turn the rotative arm slightly **clockwise** until the spring and plastic ball is no longer visible and you are able to place the metal access plate.
8. Insert and tighten the two screws that hold the metal access plate in position. (A)

## 4. Testing the CJ857B or CJ917 Movement Detector Board

To test the CJ857B and CJ917 movement detector board, follow these steps using the Service Tools:

1. Run the post installation procedure.
2. Register the intervention.

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