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Replacing the Cable Kit for the Rotative Arm



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 cable kit for the rotative arm includes the following cables attached to a round plastic cable tray:

Cable	Purpose
CPA91 Cable	Connects the sensor to the CJ856 motor board
CPA44 Cable	Connects the CJ855 generator power board to the CPA56 Cable in the head
CPA45 Cable	Connects the CJ857 movement detector board to the CJ856 motor board
CPA46 Cable	Connects the CJ855 generator power board to the JZ036 PFC board
CPA47 Cable	Connects the sensor to the LAN

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 Cable Kit for the Rotative Arm

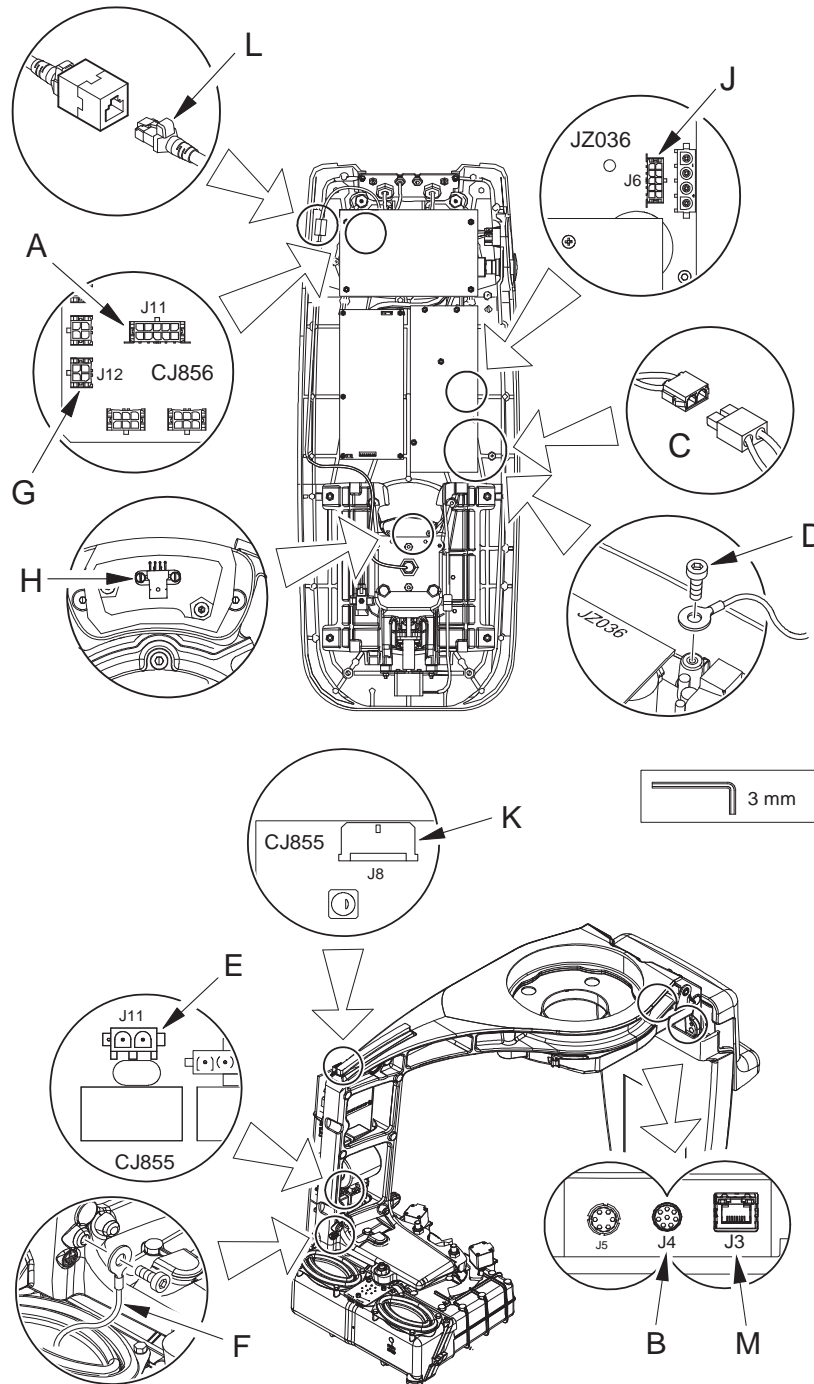
Before removing or replacing the cable kit for the rotative arm, make sure that:

- 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 rotative arm covers are removed.
- The head and chin rest is removed (see [“Removing the Head and Chin Rest”](#)).
- You have the required tools.
- You have several cable ties.
- You have the appropriate new cable kit for the rotative arm.

Removing the Cable Kit for the Rotative Arm

To remove the cable kit for the rotative arm, follow these steps:

1. Turn the rotative arm **clockwise** as far as it goes.
2. Under the head, remove the screw holding the plastic cable tray in place and lower the tray.
3. Disconnect the following cables and cut the cable ties:



This cable...	Connects to...	On the...
(A) CPA91 Cable	J11	CJ856 motor board
(B)	J4	Sensor
(C)	Connector	CPA56 Cable
(D) CPA44 Cable	Ground post	
(E)	J11	CJ855 generator power board
(F)	Ground post	
(G) CPA45 Cable	J12	CJ856 motor board
(H)	J1	CJ857 movement detector board
(J) CPA46 Cable	J6	JZ036 PFC board
(K)	J8	CJ855 generator power board
(L) CPA47 Cable	Ethernet cable connector	Left of the head near the column
(M)	J3	Sensor

4. Carefully push the cables **one at a time** down through the motor assembly.



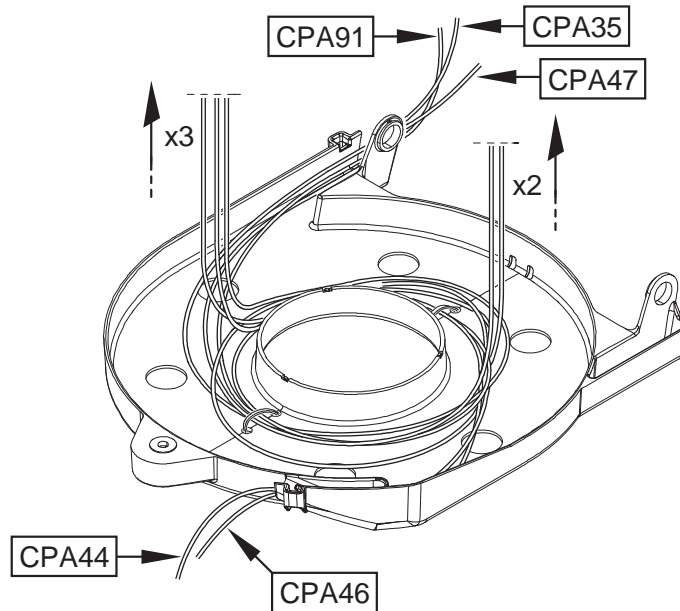
Important: Do NOT pull the cables from below. Push the cables from the top.

5. Remove the plastic cable tray and the attached cables.

Replacing the Cable Kit for the Rotative Arm

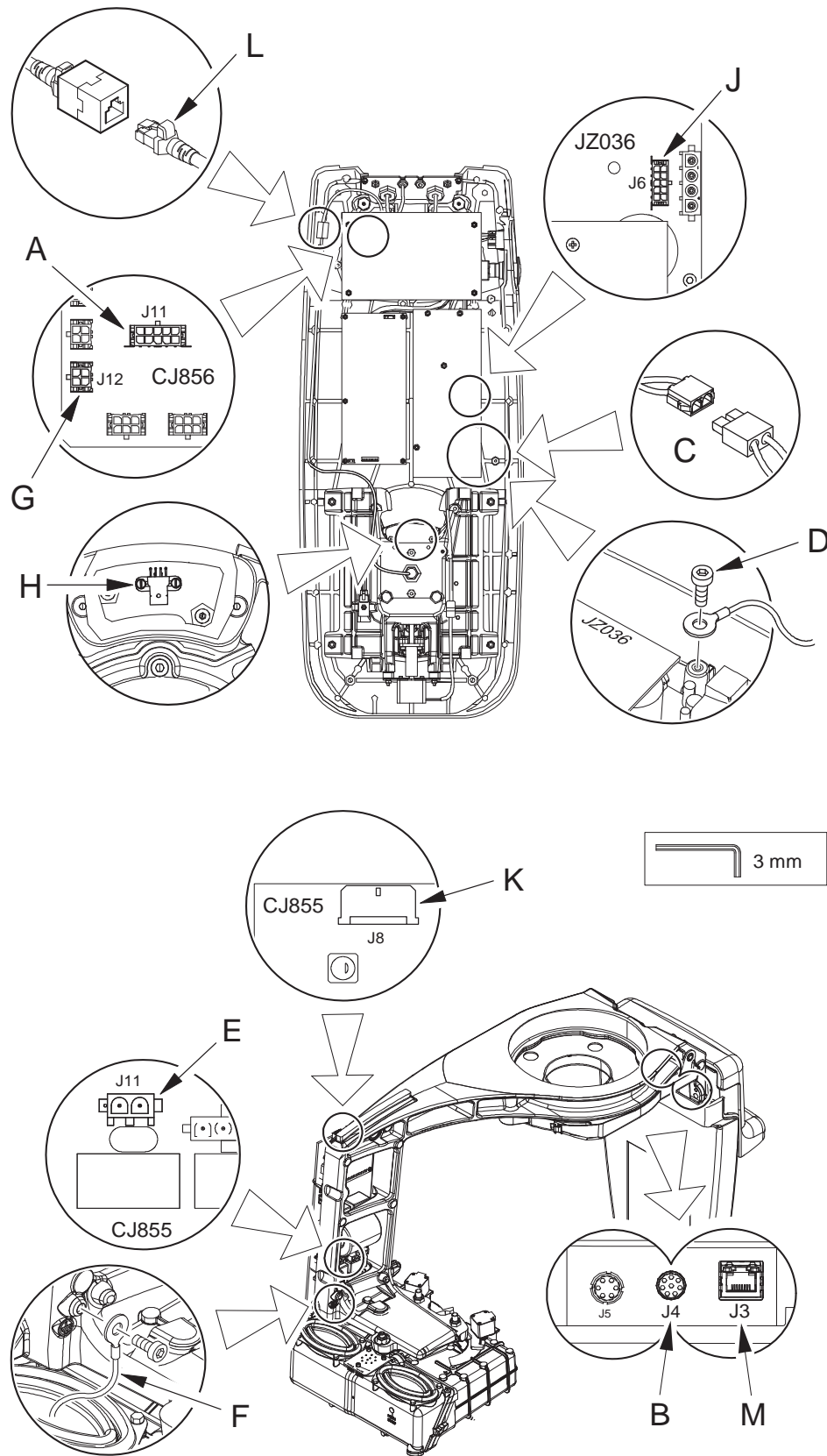
To replace the cable kit for the rotative arm, follow these steps:

1. Turn the rotative arm as far as it goes **clockwise** (looking from the top).
2. Position the plastic cable tray under the head.
3. Pass the following cables **one at a time** from the plastic cable tray up through the movement assembly.
 - [CPA44 Cable](#) and [CPA46 Cable](#) through the gap in the movement assembly on the **right**.
 - [CPA91 Cable](#), [CPA35 Cable](#), and [CPA47 Cable](#) through the gap in the movement assembly on the **left**.



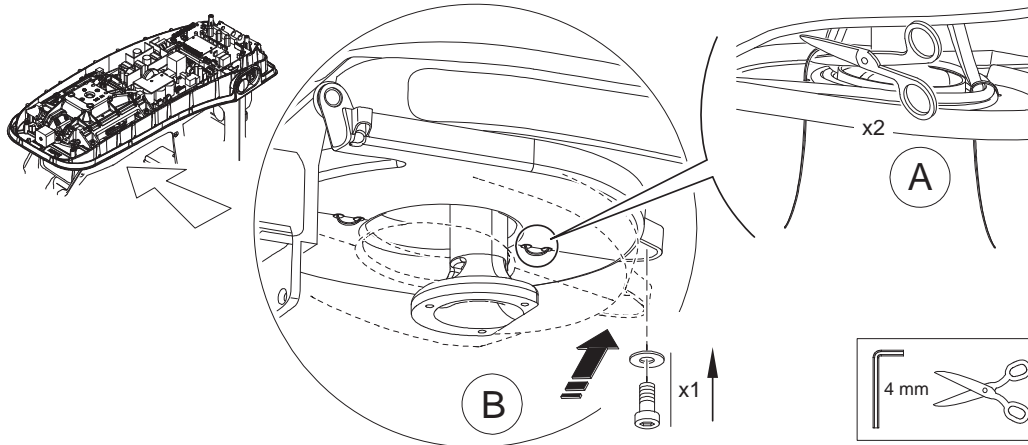
Tip: Pass the **larger** cables through the gaps **first**. For example, the [CPA91 Cable](#) with the ferrite ring.

4. Connect the cables as follows:



This cable...	Connects to...	On the...
(A) CPA91 Cable	J11	CJ856 motor board
(B)	J4	Sensor
(C)	Connector	CPA56 Cable
(D)	Ground post	
(E) CPA44 Cable	J11	CJ855 generator power board
(F)	Ground post	
(G) CPA45 Cable	J12	CJ856 motor board
(H)	J1	CJ857 movement detector board
(J) CPA46 Cable	J6	JZ036 PFC board
(K)	J8	CJ855 generator power board
(L) CPA47 Cable	Ethernet cable connector	Left of the head near the column
(M)	J3	Sensor

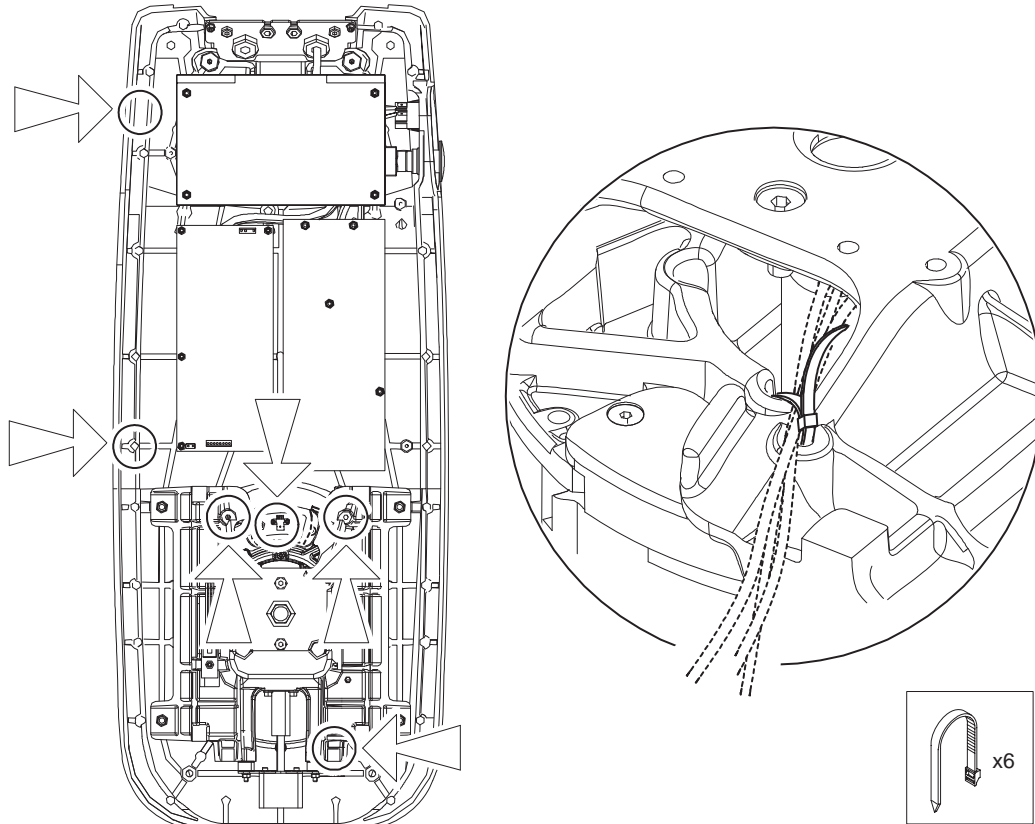
- Clip the plastic cable tray onto the two round lugs on the rotative arm.
- Cut the two temporary cable ties (A) and refix the plastic cable tray with the screw (B).



7. Replace the cable ties on the movement assembly and in the head.



Important: Do NOT overtighten the cable ties.



8. Turn the rotative arm by hand to make sure it moves freely and that no cables rub or are trapped.

Testing the Cable Kit for the Rotative Arm

To test the cable kit for the rotative arm, follow these steps using the **Service Tools**:

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