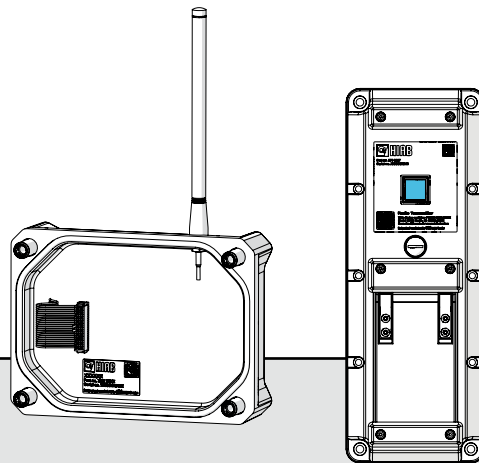


INSTRUCTIONS FOR REPLACEMENT RADIO KIT CD

[CLICK HERE](#)



INSTRUCTIONS FOR REPLACEMENT RADIO KIT CD5000

[CLICK HERE](#)

Replacement radio kit CD

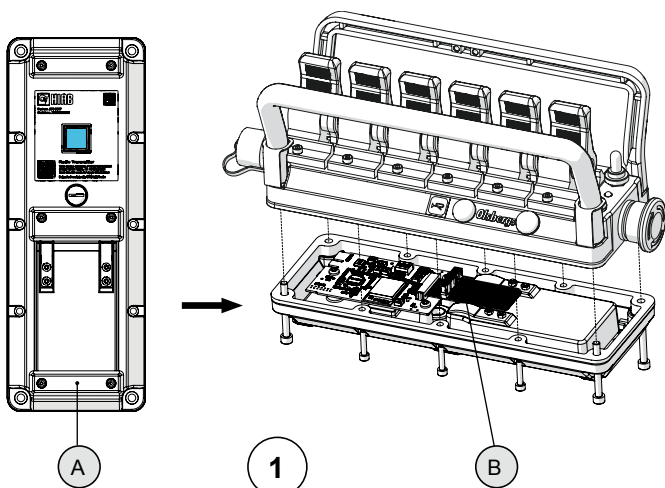
Fits: All CD systems

Consumption: 1 kit per system

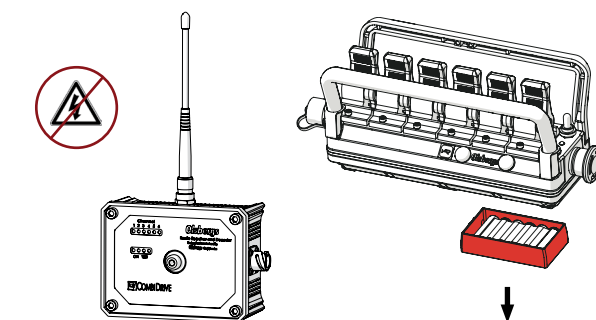
Note: For endless slewing - matched pair - 1 extra receiver is needed

Background:

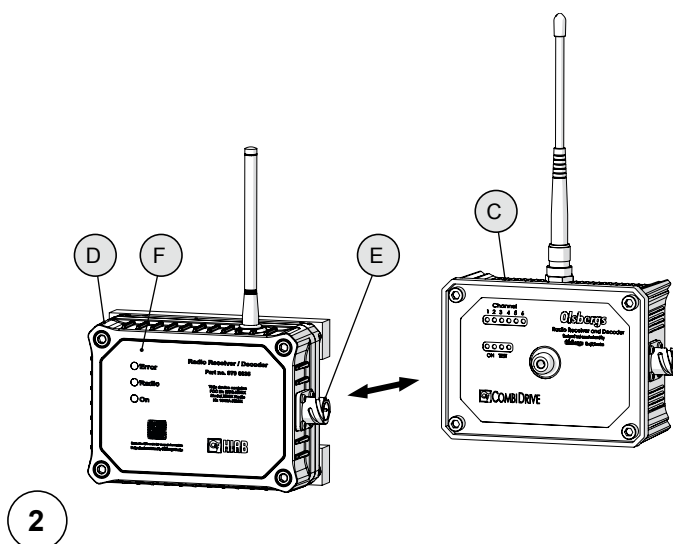
If any of the transmitter, receiver or decoder is broken in a **CD** system a complete new radio kit must be purchased as the old radio is no longer available.



For the replacement bottom part, the blue push-button is used for pairing only – the new radio is working with Adaptive Frequency Agility (AFA) so there is no need for manual channel switching.



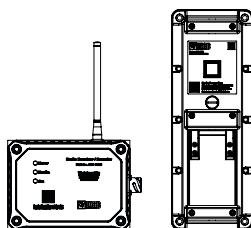
Before performing the upgrade, make sure that the battery is removed from the controller and that the power to the receiver/decoder is switched off.



Installation

1. Remove the bottom part of the controller CD and replace it with the new bottom part (A) which contains the new radio transmitter. Connect the bottom part to the upper part with the ribbon cable (B).
2. Remove the complete unit Receiver/Decoder (C) on the truck and replace it with the new Receiver/Decoder unit (D). The new Receiver/Decoder unit is equipped with a green 2-pole connector (E) and can be connected with the existing cable to the existing power box. The new Decoder has three LEDs – red, yellow and green (F). They will light up in a quick sequence followed by the green LED is constantly lit when powered. The green LED indicates that the receiver/decoder is ready for radio operation.
3. The system is ready for use with the new radio kit as the pairing of the radio kit was done at the factory.
Note: Pairing will be needed when replacing a single unit as a spare part in the radio kit. See next page for further instructions.

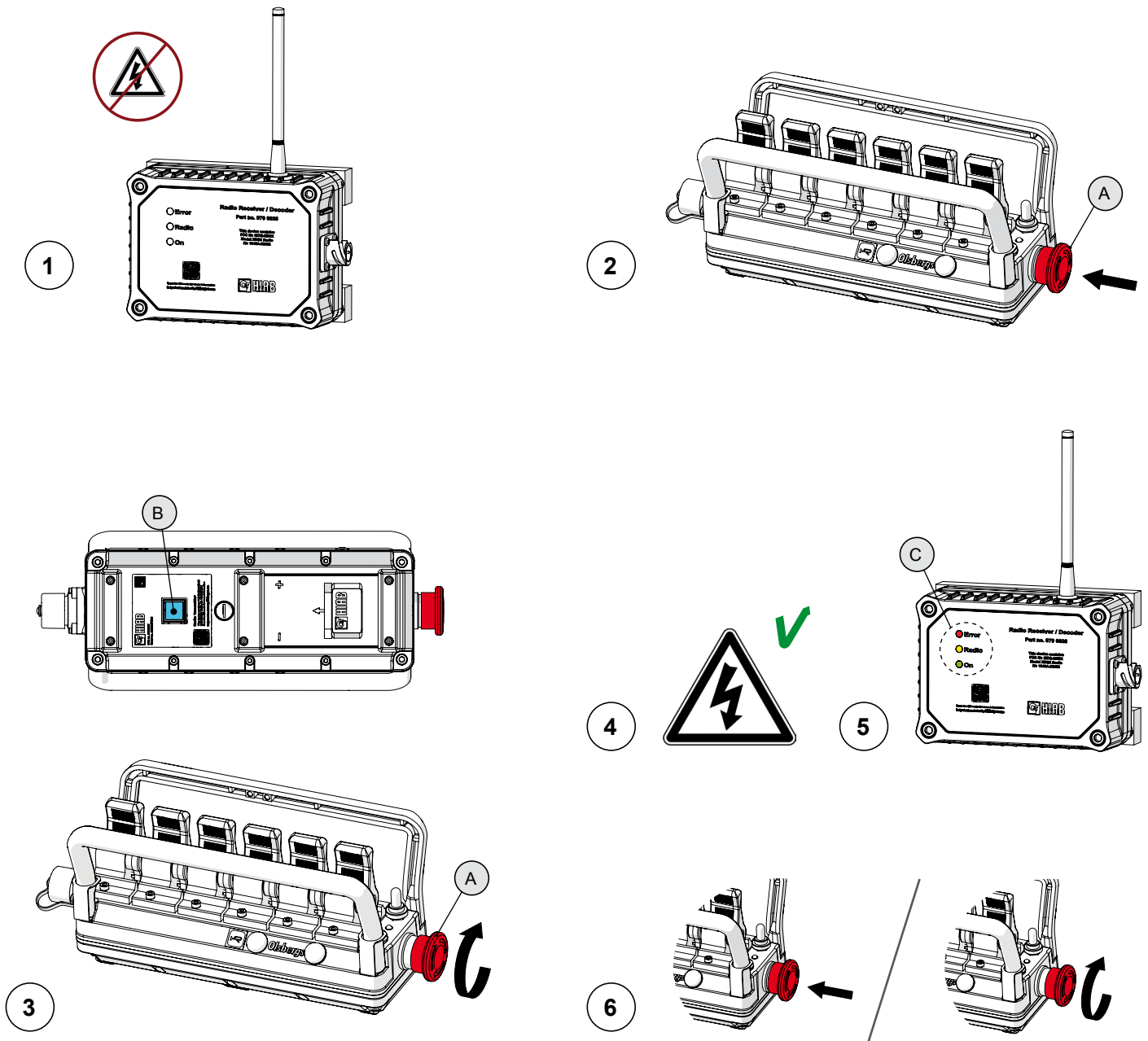
Contains



1 x Replacement radio kit CD incl.
Radio decoder/receiver and transmitter

Replacement of a single unit in CD

Concerns: Radio decoder, receiver and transmitter



Pairing

1. Switch off the system on the power box or PSBI in order to make the new receiver/decoder completely powerless and switched off.
2. Switch off the controller by pushing in the stop button (A) on the side.
3. Press in the blue push-button (B) on the bottom part of the controller.
Keep the blue push-button pressed and at the same time switch on the controller by releasing the red stop button (A) on the side of the controller. Keep the blue button pressed for 2 seconds and then release it and the controller/transmitter are now in pairing mode.
4. Start the system on the truck in order to give power to the receiver /decoder.
Thereafter the pairing starts automatically. The controller sends messages continuously multiple times per second. The receiver/decoder receives the messages and completes the pairing procedure.
5. Pairing procedure is indicated by all three LED (C) are blinking during a few seconds.
6. The pairing procedure is finalised by pressing in the stop button on the controller and restarting the controller again. The controller is now in operational mode and ready to control the crane.

Replacement radio kit CD5000

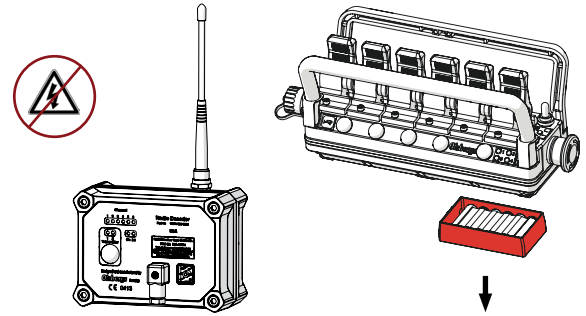
Fits: All CD5000 systems

Consumption: 1 kit per system

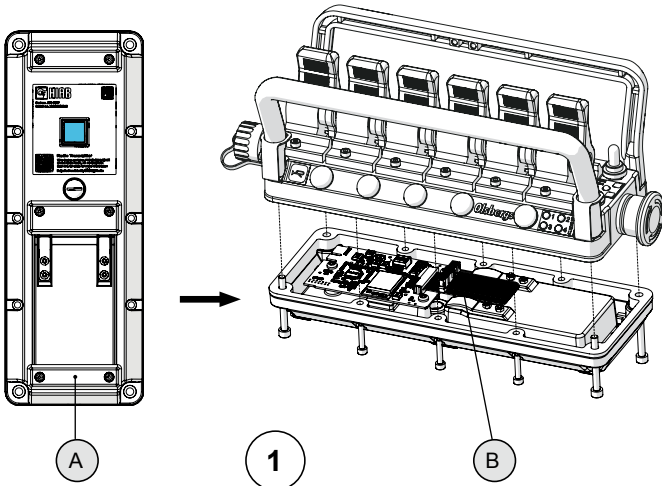
Note: For endless slewing - matched pair - 1 extra receiver is needed

Background:

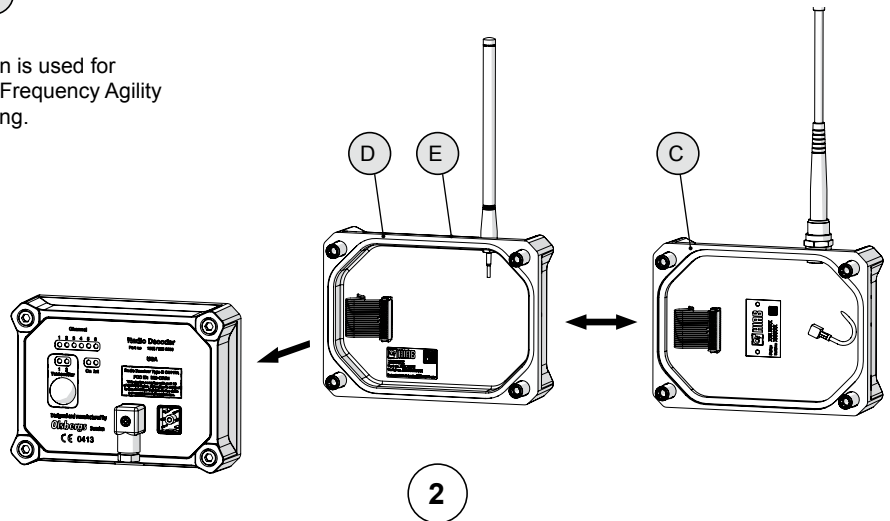
If any of the transmitter or receiver is broken in a **CD5000** system a complete new radio kit must be purchased as the old radio is no longer available. The decoder is still available as a spare part.



Before performing the upgrade, make sure that the battery is removed from the controller and that the power to the receiver/decoder is switched off.



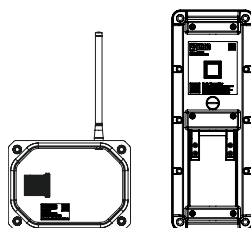
For the replacement bottom part, the blue push-button is used for pairing only – the new radio is working with Adaptive Frequency Agility (AFA) so there is no need for manual channel switching.



Installation

1. Remove the bottom part of the controller CD5000 and replace it with the new bottom part (A) which contains the new radio transmitter. Connect the bottom part to the upper part with the ribbon cable (B).
2. Remove the old receiver (C) (backside of the Radio Decoder) on the truck and replace it with the new receiver unit (D). The new receiver unit is connected to the old decoder via a ribbon cable (E).
3. The system is ready for use with the new radio kit as the pairing of the radio kit was done at the factory.
Note: Pairing will be needed when replacing a single unit as a spare part in the radio kit. See the following pages for further instructions.

Contains

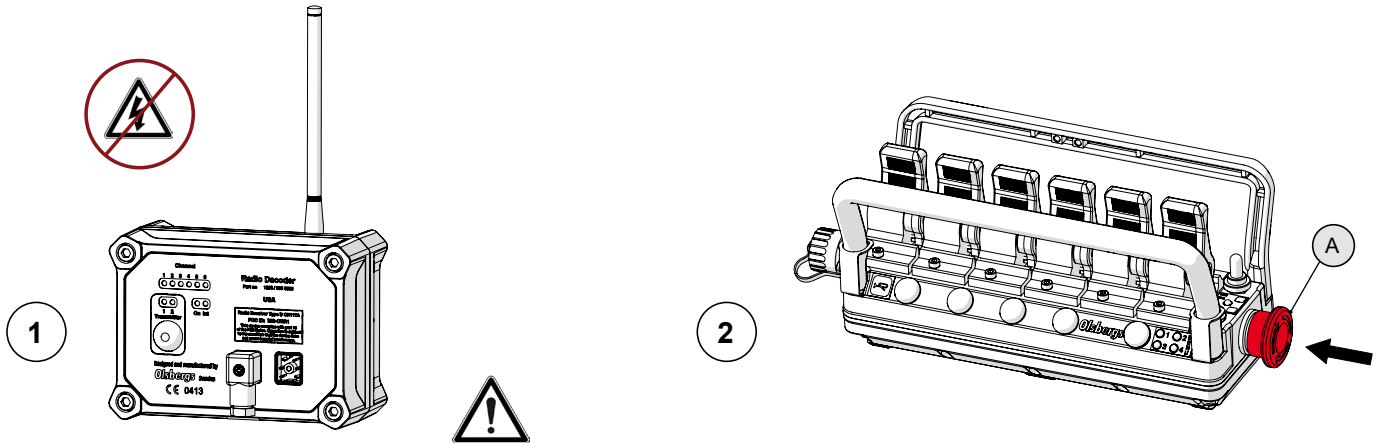


1 x Replacement radio kit CD 5000 incl.
receiver and transmitter

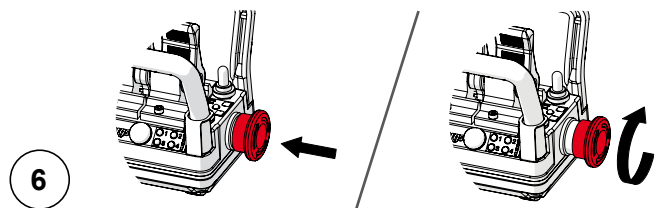
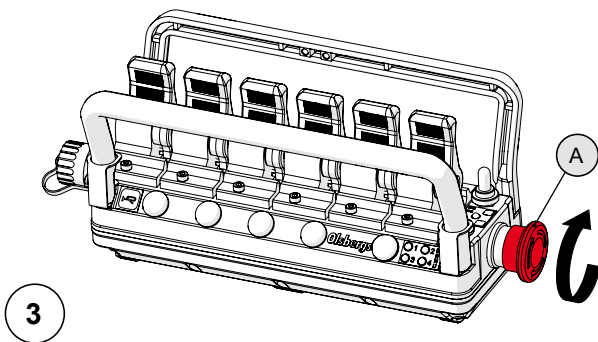
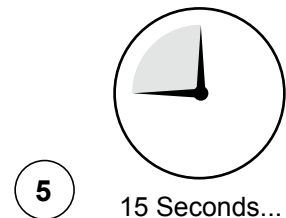
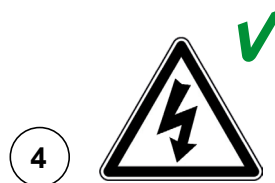
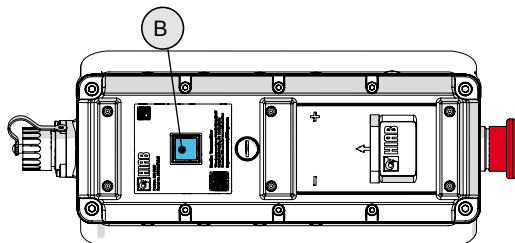
Replacement radio kit CD5000

Replacement of a single unit in CD5000

Concerns: Radio decoder, receiver and transmitter



Special - In case the decoder is also replaced in a CD5000 system the controller and decoder must be matched in the normal way by connection of the cable between controller and decoder. **See next page for instructions.**

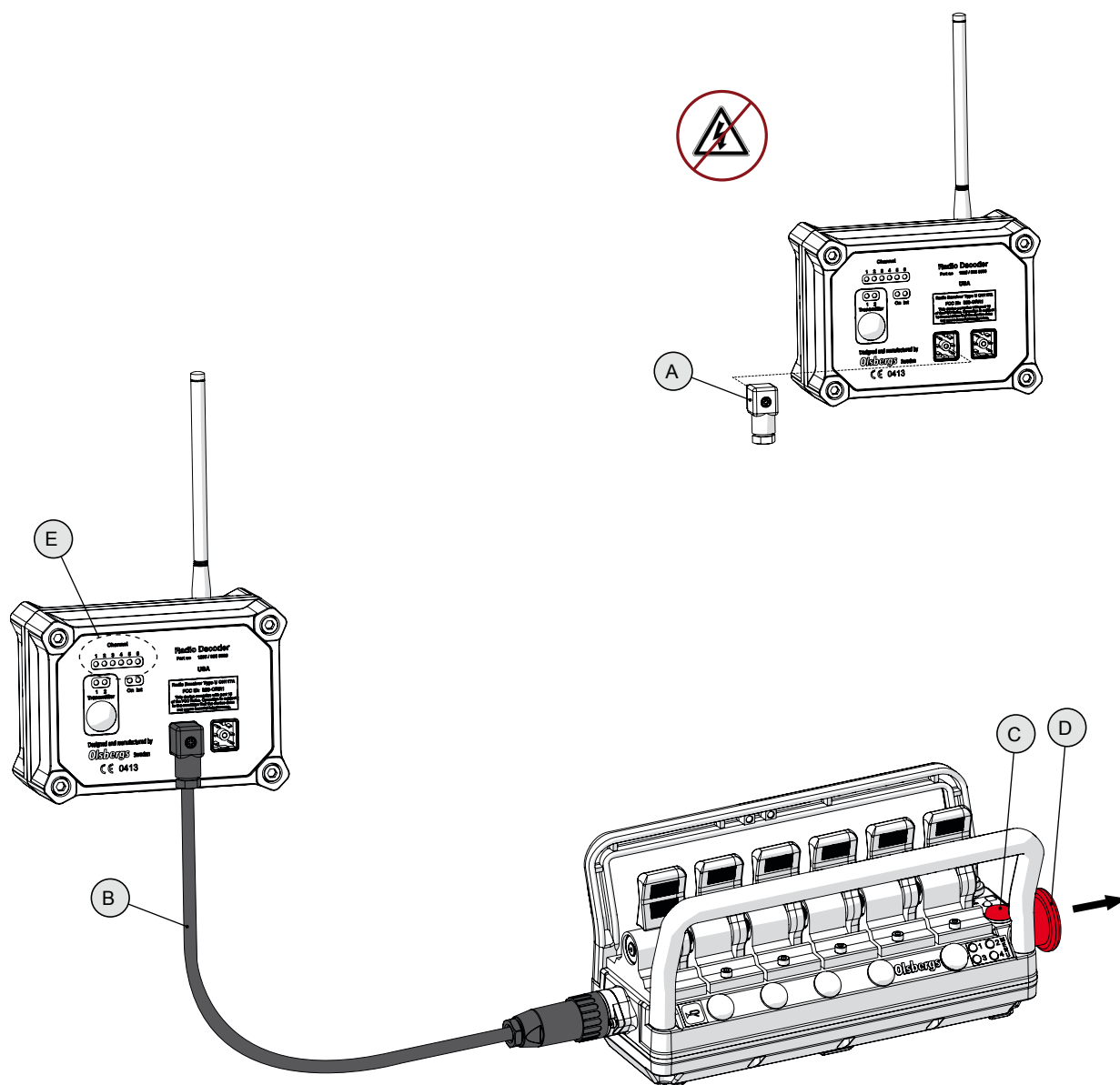


Pairing

1. Switch off the system on the power box or PSBI in order to make the new receiver/decoder completely powerless and switched off.
2. Switch off the controller by pushing in the stop button (A) on the side.
3. Press in the blue push-button (B) on the bottom part of the controller.
Keep the blue push-button pressed and at the same time switch on the controller by releasing the red stop button (A) on the side of the controller. Keep the blue button pressed for 2 seconds and then release it and the controller/transmitter are now in pairing mode.
4. Start the system on the truck in order to give power to the receiver /decoder.
Thereafter the pairing starts automatically. The controller sends messages continuously multiple times per second. The receiver/decoder receives the messages and completes the pairing procedure.
5. CD5000 has no visible pairing indication so wait 15 seconds before next step.
6. The pairing procedure is finalised by pressing in the stop button on the controller and restarting the controller again. The controller is now in operational mode and ready to control the crane.

Procedure for matching the decoder in a CD5000 system

Concerns: Decoder and controller



Instructions for matching decoder with controller

1. Turn off the system, remove the plug (A) from the left contact of the decoder and connect the controller cable (B) instead.
2. Switch the system on and press the remote button on the PDB
3. Press the red release button (C) on the controller while releasing the stop button (D). When all of the channel diodes (E) of the decoder flash simultaneously, the programming is finished.
4. Switch off the system. Remove the controller cable (B) and put the plug (A) back in the decoder.
5. Restart both the PDB and the controller to verify that contact is established.

Procedure for matching the decoder in a CD5000 system

EU Declaration of Conformity

We, **Olsbergs Electronics AB**
Of, **Fågelsångsvägen 10, SE-186 42 Vallentuna, Sweden**

declare under our sole responsibility that the product(s):

Product Name: CD resp. CD5000
Model Number(s): Radio Transmitter CD/CD5000, Radio Receiver/Decoder CD,
Radio Receiver CD5000
Part Number(s): 1349 (970 0036), 1347 (970 0034), 1351 (970 0038)

to which this declaration relates is(are) in conformity with the essential requirements and other relevant requirements of EU Directive 2014/53/EU (RED) Radio Equipment Directive.

<u>Type</u>	<u>Essential Requirements</u>
Health & Safety (article 3.1a)	EN 62368-1:2014 EN 62311:2008
EMC (article 3.1b)	EN 301 489-1 V2.1.1 (2017-02) in accordance with the specific requirements of EN 301 489-3 V2.1.1 (2017-03)
Spectrum (article 3.2)	EN 300 220-2 V3.1.1 (2017-02)

Vallentuna, Sweden, September 2017



Jan-Erik Steen
Managing Director, Olsbergs Electronics AB