1. **Hydraulic Power connection:** This view is from the back side of the crane control valve bank.
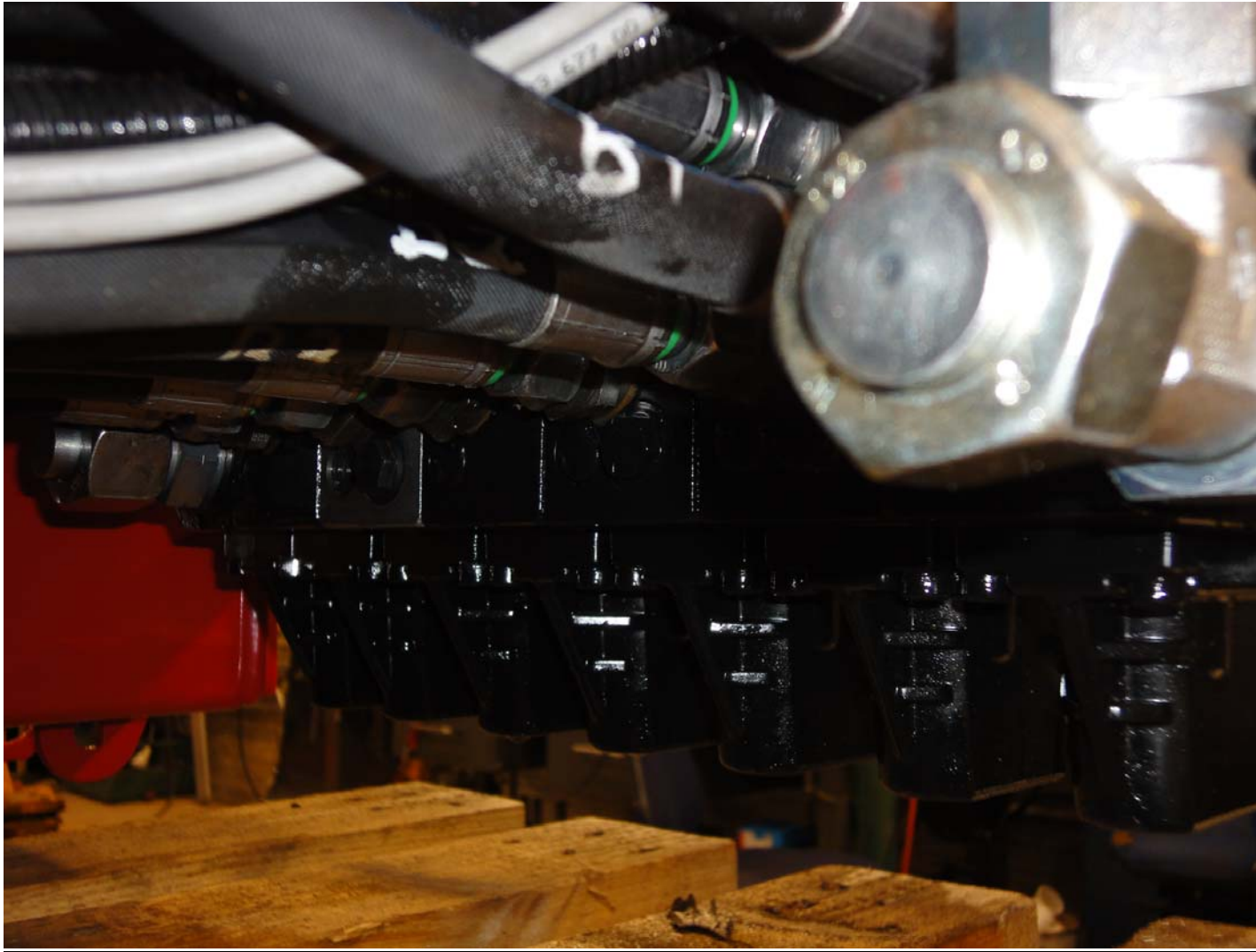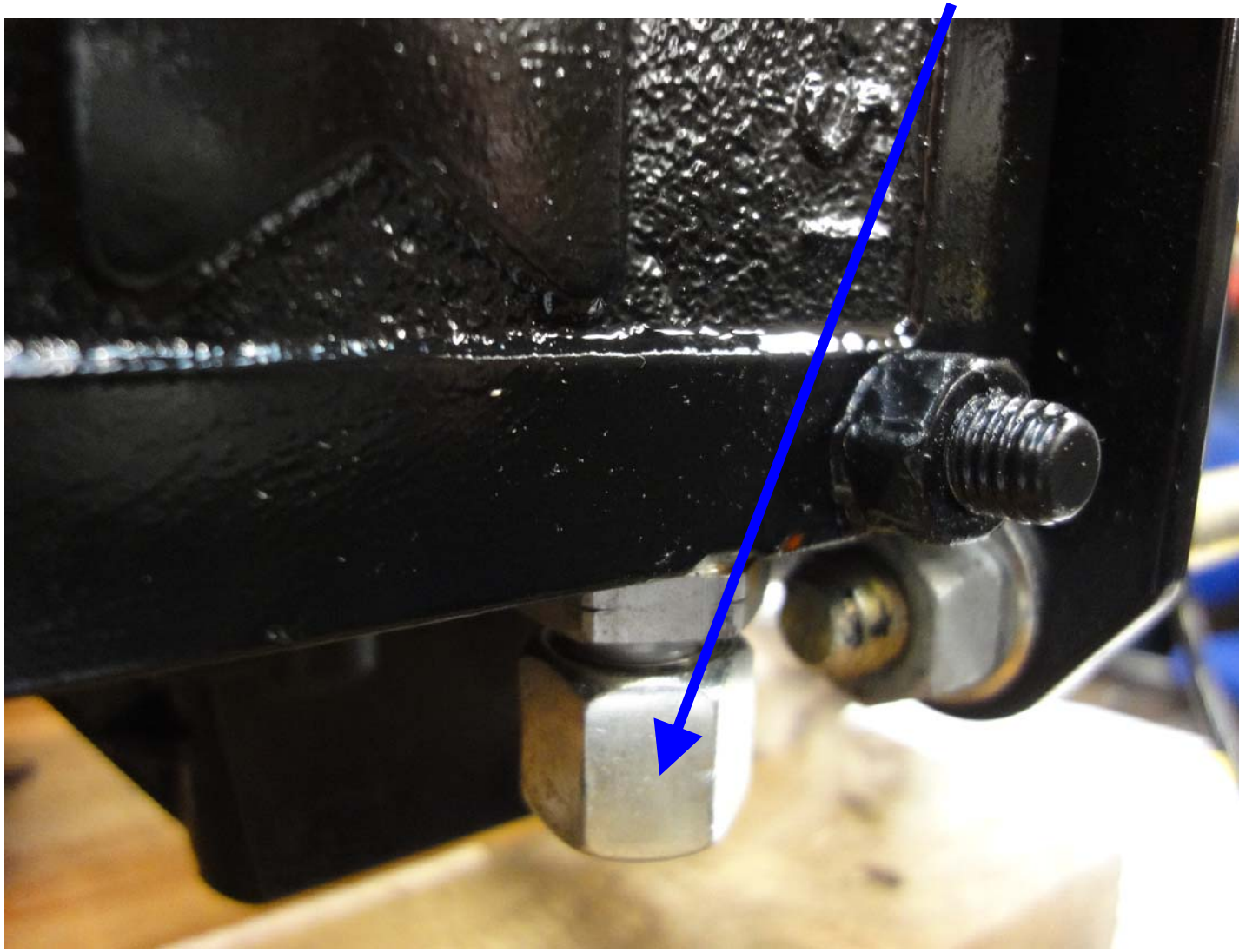
- power to lift.

2. Tank connection: Connect the tank to this connection
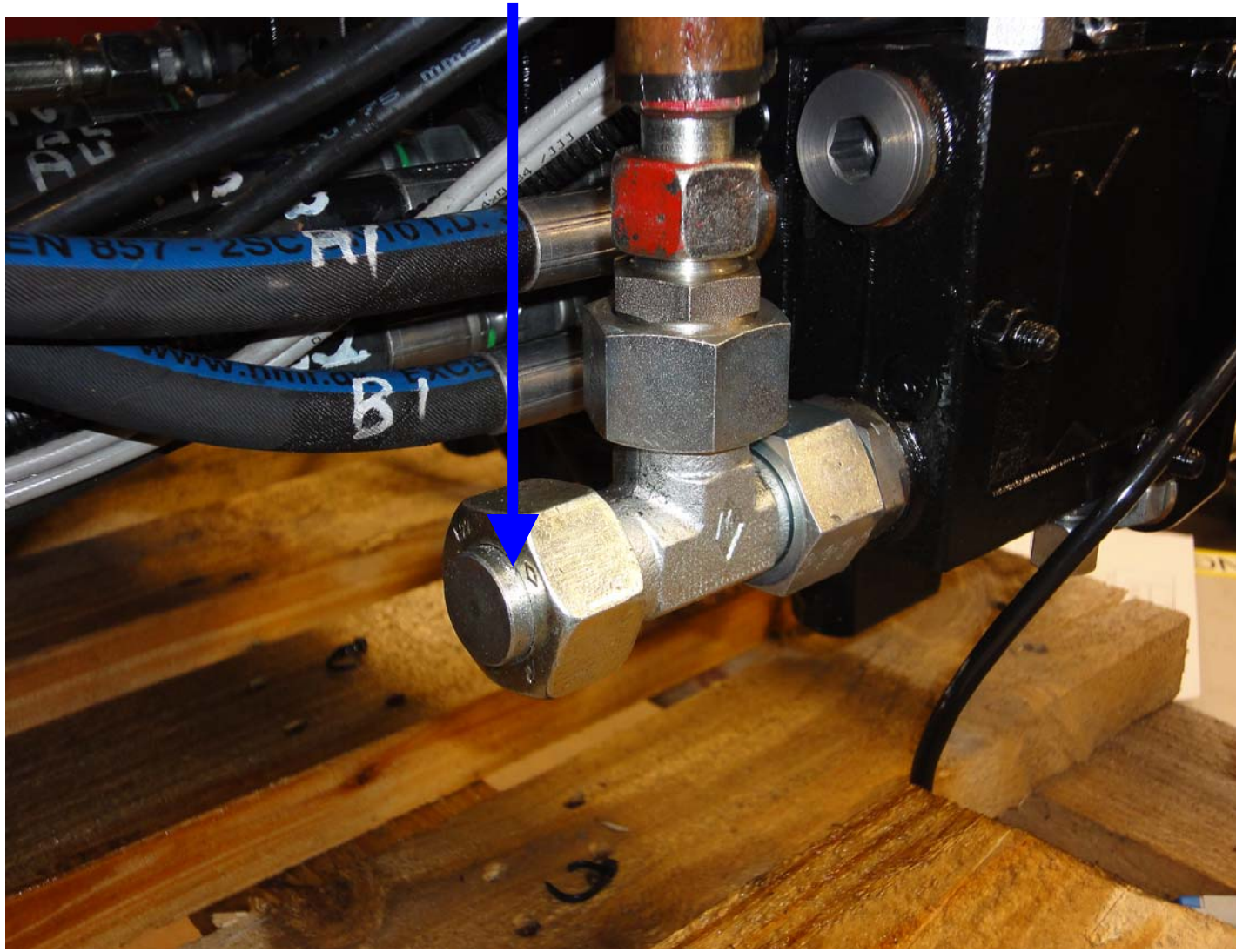
3. Pump connection: Connect the pump to this connection.
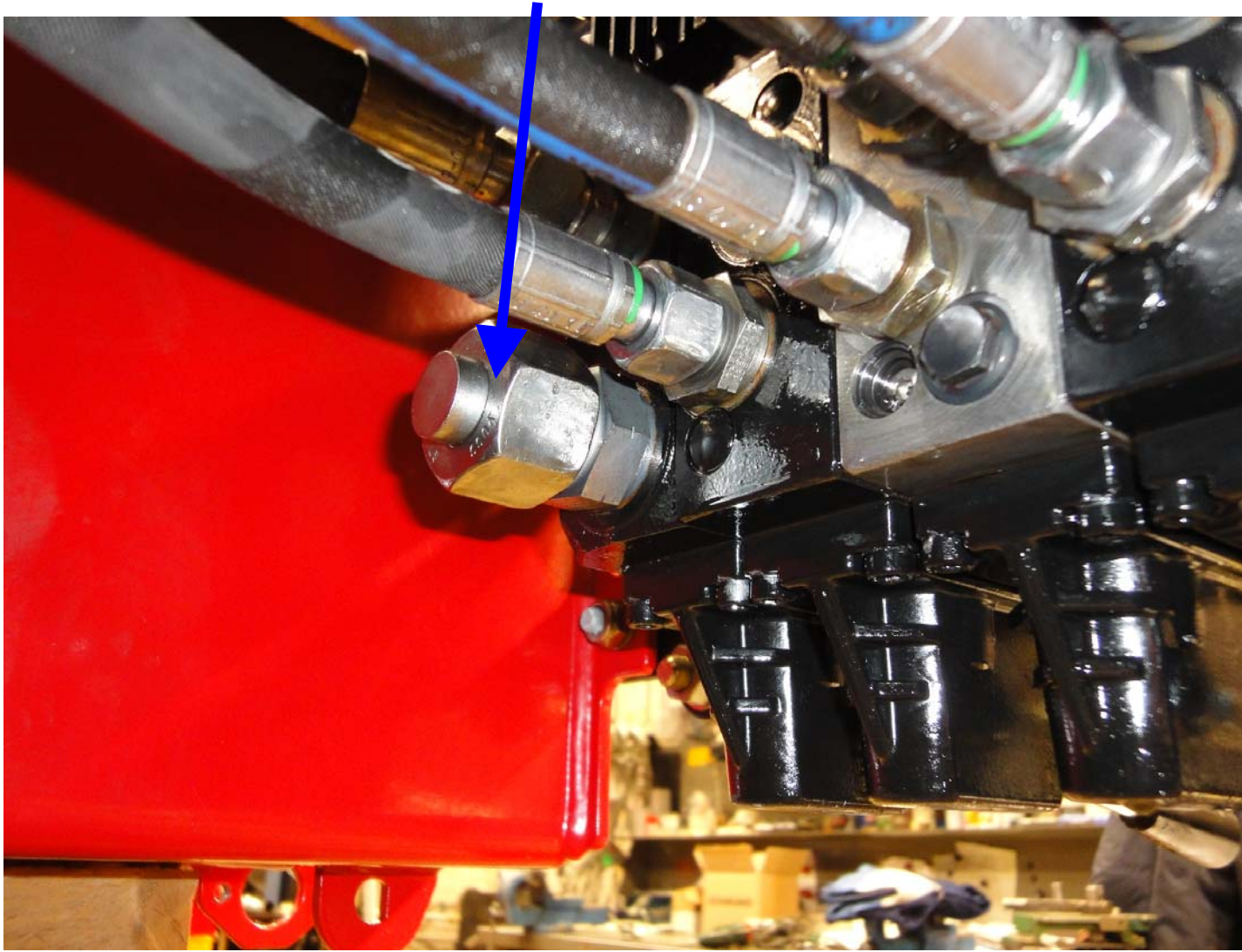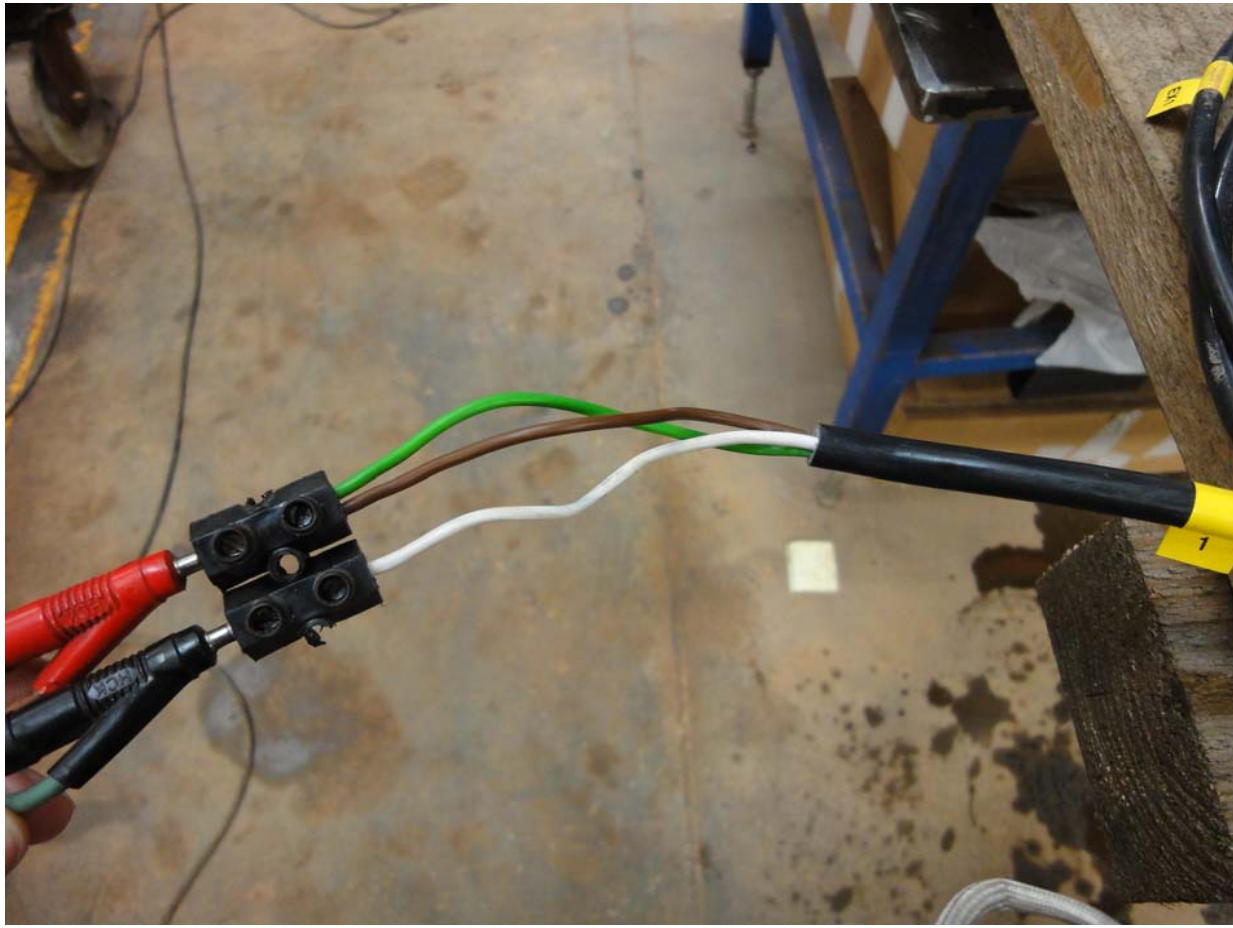
4. Load Sensing (LS) connection: Connect the pump´s LS connection this plug.

5. Electrical Power (cable 1):

    i. Connect the brown and green wires to +10VDC to +30VDC.

    ii. Connect the white wire to Minus.

- power to lift.

6. Start up the system and controlling the crane by remote control:

    i. Release the red emergency stop button on the remote control.

    ii. Push the black start button once and wait until the remote control is turned on.

    iii. Push the green button once.

    iv. It is now possible to   control   the crane via the remote control levers, see page 12.

- power to lift.

7. Remote control – Info Center (i) Start up screen:

   i. Time to service

   ii. Crane load

8. Remote control – Info Center (ii) After start up:

   i. Screen 1

   ii. Battery level

   iii. Crane load

- **power to lift.**

9. Remote control – Info Center (iii) Changing the displayed icons in the remote control Info Center:

  i. Activate switch 10, ie. move it to the right position.

  ii. Push the yellow button.

  iii. The information in the Info Center is now changed for each click on the yellow button.

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- power to lift. **9**

10.   Remote control – Info Center (iv) Other information from the Info Center:

i. Screen 2

ii. The turtle & the   text '100%' indicates that full speed is possible on the crane functions.

iii. The hand icon in- dica-   tes whether a crane stop situation is being executed and the remaining stop time in seconds.

11. **Remote control – Info Center (v) Other information from the Info Center:**

i. Screen 2: The turtle indicates '0%', meaning that the crane is in low speed (ie. HDL – Heavy Duty Lifting) mode. This mode is active if the 'FUNC' diode is blinking and:

a. - the crane load exceeds 80% of the lifting capacity, or

b. - the red button is pushed once

- power to lift.   11

12. **Crane functions – hand paddles for remote control:**

SLEW **BOOM** **JIB** **EXTENSION** **1. EX.VALVE (Fly Jib)** **2. EX. VALVE (FJ extension)**

- power to lift.
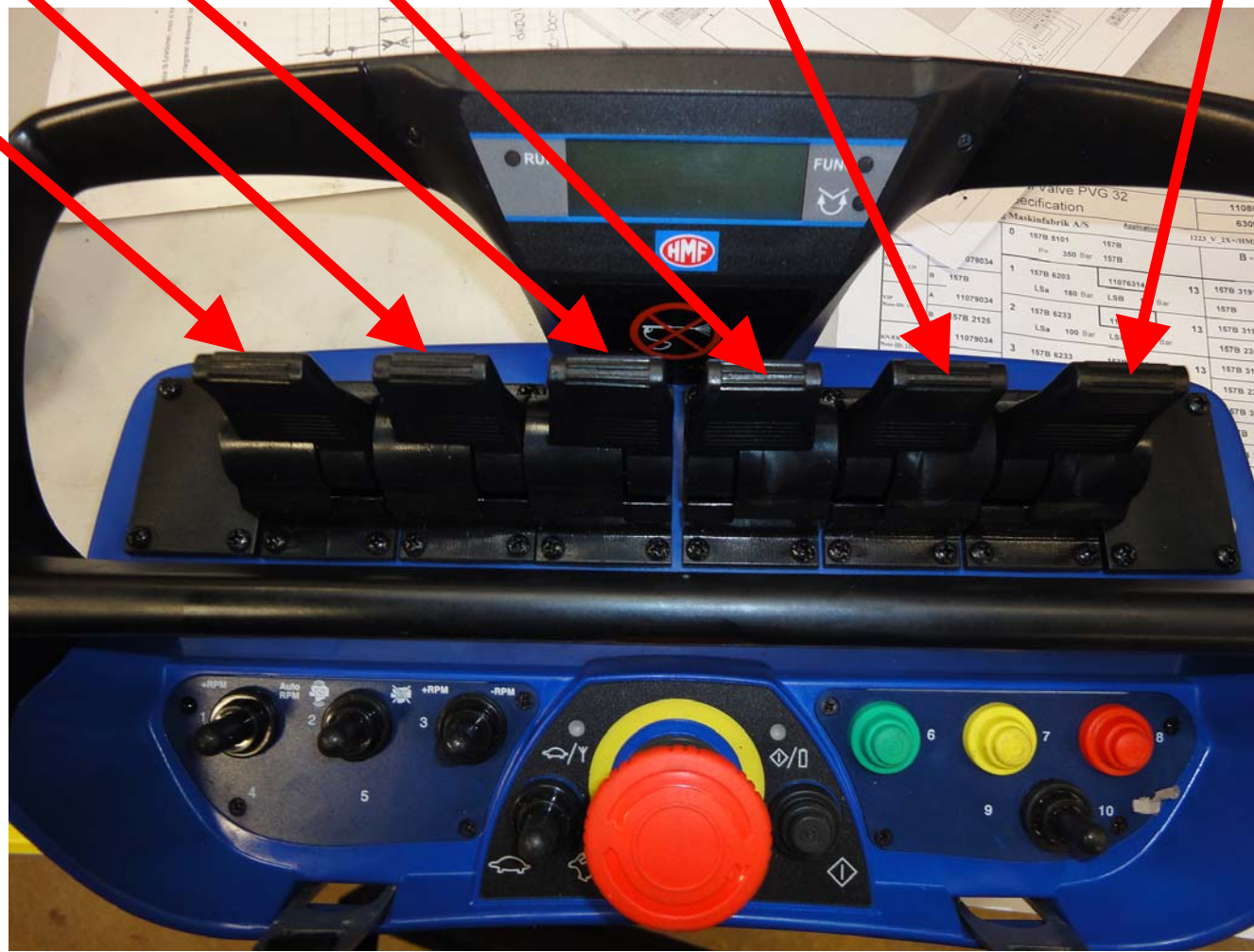
13. **Start up the system and controlling the crane manually (directly on the crane control valve)**

i. Keep the transmitter <u>turned off</u>.

ii. Push the green button on the RCL5300 front once. The RCL5300 display shows 180, ie. no radio contact.

iii. Keep the yellow button pressed, while the red button is pressed once. The display must show 186, ie. manual operation mode is selected.

iv. The crane can now be operated manually, see next page.

v. **Before the crane can be operated by the remote control again:** Turn on the remote control. Keep the yellow button on the RCL5300 pressed, while the red button is pressed once. The RCL5300 display must show a running line and dot. The crane is now ready for remote control.

- power to lift.

14.   Crane functions – hand levers for manual control:
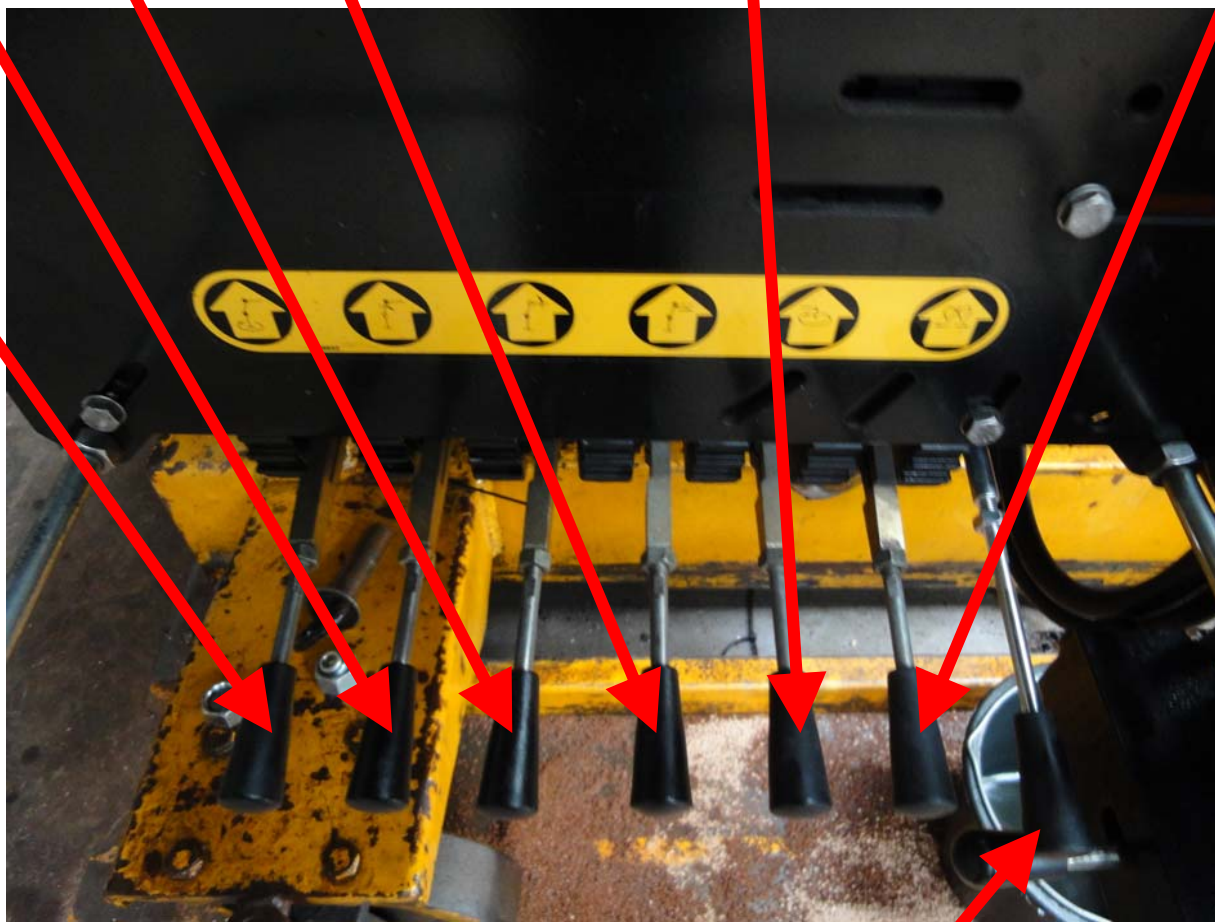
SLEW   BOOM   JIB   EXTENSION   1. EX.VALVE (Fly Jib)   2. EX. VALVE (FJ extension)

Valve section for full flow dump

- power to lift.

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