SERVICE MANUAL

BACKHOE LOADER
4CX Pilingmaster

EN - 9813/8100 - ISSUE 1 - 06/2017

This manual contains original instructions, verified by the manufacturer (or their authorized representative).

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Foreword

The Operator's Manual

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You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator's Manual. You must understand and follow the instructions in the Operator's Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

Do not operate the machine without an Operator's Manual, or if there is anything on the machine you do not understand.

Treat the Operator's Manual as part of the machine. Keep it clean and in good condition. Replace the Operator's Manual immediately if it is lost, damaged or becomes unreadable.

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Technical Data

Table 13.

Winch-down control valve	
Maximum pressure	480bar (6,956.5psi)
Maximum flow rating	100L/min
Valve 1 - pressure setting	7bar (101.4psi) (cracking pressure)
Valve 2, 5 and 6 - pressure setting	0.3bar (4.3psi) (cracking pressure)
Valve 4 - pressure setting	5bar (72.5psi) (cracking pressure)
Valve 3 and 9 - pressure setting	50bar (724.6psi) at 5L/min

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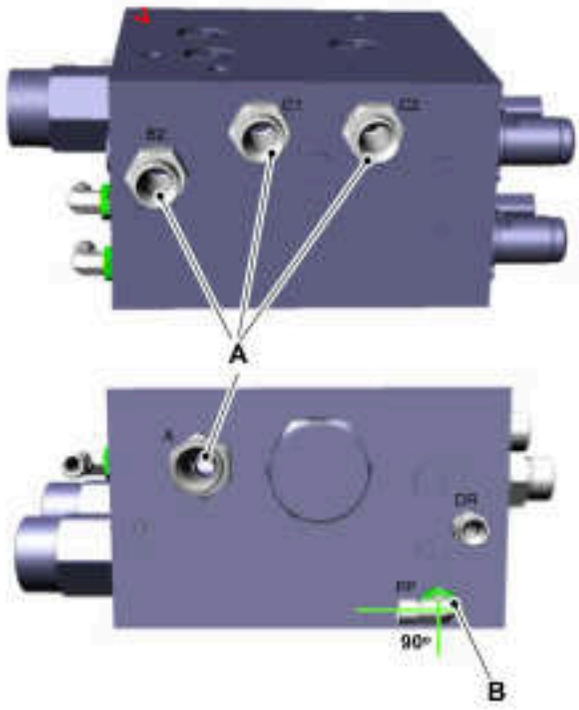
Remove and Install

Remove

1. Make the machine safe.
   Refer to: PIL 01-03.
2. Isolate the battery.
3. Disconnect the electrical connector from the control panel.
   3.1. Plug all the open ports and connectors.
4. Remove the screw (x4) from the bracket. Refer to Figure 202.
5. Remove the control panel away from the bracket.

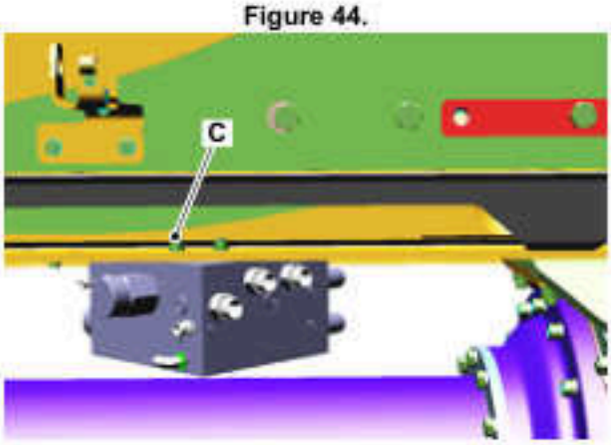
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Figure 43.



4. Tighten the bolts (x3) to the correct torque value.

Figure 44.



C Bolts (x3)

5. Do an operational check of the winch assembly.

Table 10. Torque Values

Item	Nm
A	178
B	37
C	125

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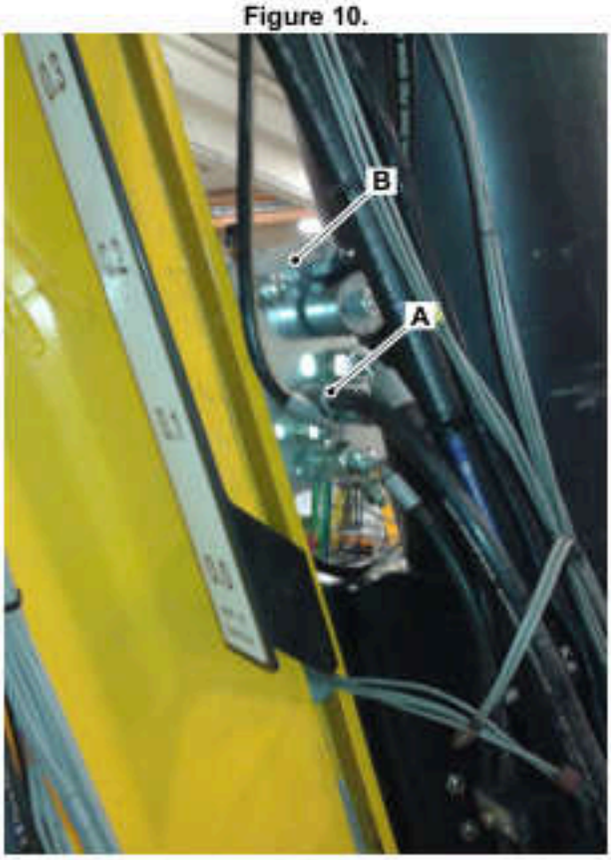
Discharge and Pressurise

1. Make the machine safe with the piling rig lowered.

   Refer to: PIL 01-03.

2. Release the pressure from the hydraulic system.
3. Disconnect the piling rig hydraulic hose from the valve block.
4. Put a cap on the open port of the valve and hose to prevent contamination.

Figure 10.



A Piling rig hydraulic hose
B Winch lower valve block

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