



Section D

Controls

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Sample manual. Download All pages at.

<https://www.arepairmanual.com/downloads/jcb-micro-micro-plus-8008-8010-excavator-service-repair-manual/>

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Section D - Controls

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Controls General

Access to the Control Mechanisms

Introduction

The control levers and pedals control the machine's movement and its hydraulic functions. Adjustable rods connect the spools of the hydraulic control valve to their operating levers (or pedals). (See Section E -Hydraulics).

The engine speed is controlled by a lever which is connected by a cable to the throttle control in the engine.

Gaining Access

Lift the bonnet to get limited access to the control mechanisms, but for complete access remove the front cowl.

Removing the Cowl

- 1 Stop the engine, operate the controls to vent the hydraulic pressure.
- 2 Lift the engine cover.
- 3 **Micro, Micro Plus and 8010CTS:** Remove the hand rail (refer to Body and Framework).
- Micro 8008 and 8008CTS:** Remove the four screws **B** (two either side) that attach the cowl.
- 4 Remove the four screws **A** (one at each corner) which attach the instrument panel to the cowl.
- 5 To remove the cowl, carefully move it forward away from the machine.

Note: To remove the instrument panel, disconnect the switch and indicator connections, remove the control lever knobs, then carefully lift the panel move the lever gaiters up the control rods until they are released.

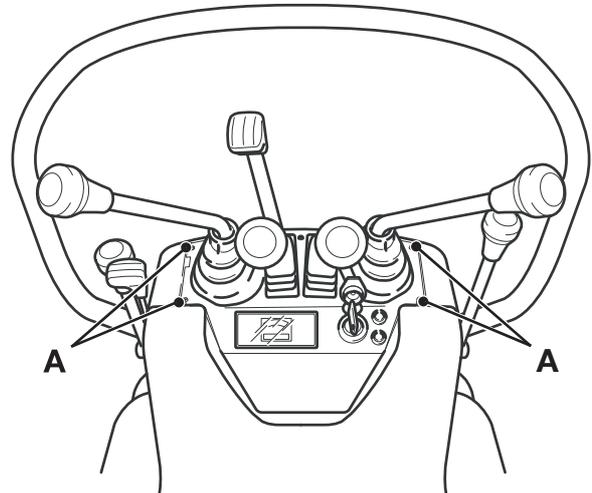


Fig 1. Micro, Micro Plus and 8010CTS

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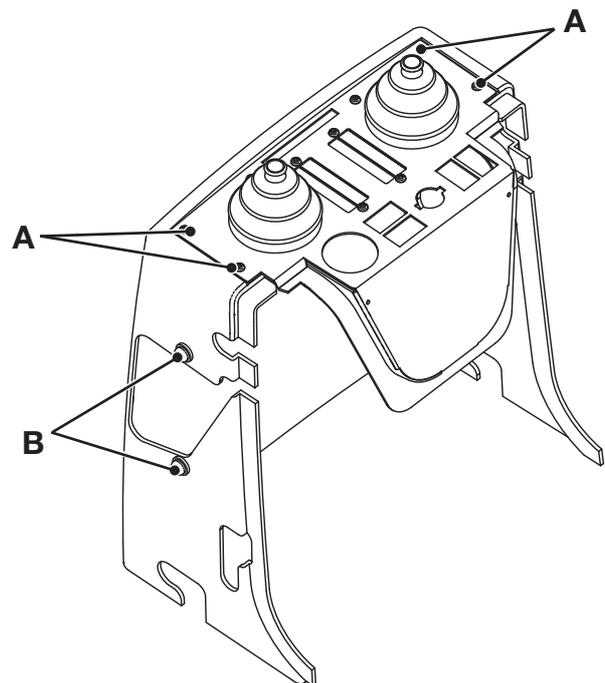


Fig 2. Micro 8008 and 8008CTS

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Access to the Control Mechanisms

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Valve Control Rods

Removal and Replacement

Removal

The rods which connect the control levers to the valve spools are secured at the spool end by the clevis spring pins **A**. → [Fig 1.](#) ([D-3](#)).

To release a control rod from its spool, remove the spring pin from the rod.

The opposite end of the rods are screwed into the shaped rod ends **B** which connect to the operating lever (or pedal).

Note: If you remove a rod, record its position to make sure that it is put back to its original position.

Adjustment

The control valve spools are spring-loaded to their central 'neutral' position. When the rods are adjusted, be careful not to move the spools from the neutral position.

To make the adjustment you must change the effective length of the rod. to do this:

- Loosen the nuts **C**.
- Wind the rod end or clevis along the threaded portion of the rod.
- When the adjustment is complete, tighten the nuts **C**
- Make sure that the clevis/rod end is orientated correctly for connection to the spool and lever.

Replacement

The replacement procedure is the reverse of the removal procedure.

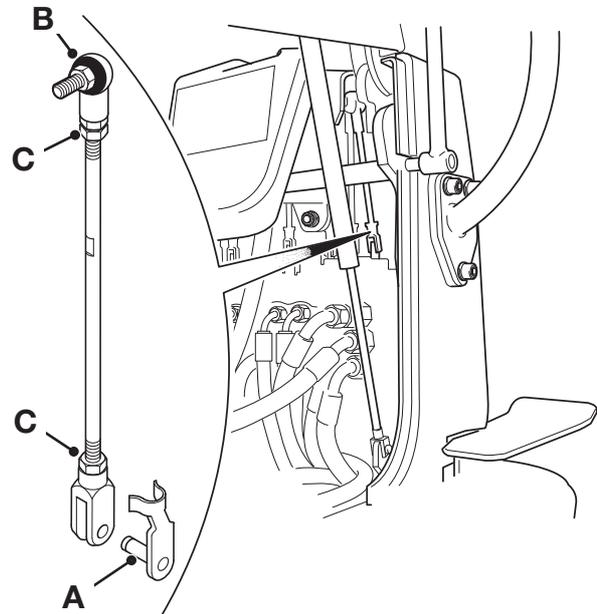


Fig 1.

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