

Fault Description: RAM no longer operates.

### Ram Removal and Replacement Procedure:

1. Raise bed to top height position, insert bed pins and lower bed on to bed pins.
2. Loosen the two grub screws holding the winch mount to the ram top. They're on either side of the cut-out section over the ram inlet hose.
3. Wind the winch in lowering mode until there is enough cable slack to allow the winch removal from the ram top and remove the winch, leave it hanging over the back of the headstock.
4. Undo the ram supply hose swivel fitting at the switching manifold.
5. Remove the hose from the ram and place aside.
6. Plug the open ram supply hole with a 3/8 NPT plug to prevent spillage.
7. Undo the grub screw on the left side of the ram mounting block to enable ram removal.
8. Wind the ram anticlockwise to remove it from the ram mounting block.
9. Reverse the instructions to replace with a new ram, make sure the ram supply hole faces the right side of the frame then tighten the grub screw on the left side of the ram mounting block.
10. Thread tape the ram end of the hose then fit hose and winch then use the ram bleeding instructions to bleed the ram and pump adding oil if required.
11. Test under load to 200bar and hold for 5 mins keeping an eye on hose leaks or load drop. You should expect to see around 10 bar pressure drop at most.
12. **Do not under any circumstances touch a leaking hose under load. Depressurise and check hose ends are firm but not overtight.**
13. The ram should be ready for use.