

SERVICE BULLETIN SB00.31

Machines / Models: MB20/26

THIS BULLETIN IS MANDATORY.

DATE: 16, October 2000.

PURPOSE: To eliminate the possibility of failure of the main printed circuit board.

OPERATION REQUIRED: To fit a replacement printed circuit board by following the procedure detailed below.

PARTS REQUIRED: 1 off main printed circuit board.
Part No. 501500-000

TOOLS REQUIRED:

Small flat end screwdriver	1 off
Philips screw driver	1 off
13mm spanner	2 off
10mm spanner	1 off
4mm right angle allen key	1 off

REIMBURSEMENT: UpRight will reimburse the distributor of record for

MB20

60 minutes of labour at Euro 66.00 per hour and travel at Euro 0.55 per mile.
 (To a maximum of 100 miles return)

MB26

30 minutes of labour at Euro 66.00 per hour and travel at Euro 0.55 per mile.
 (To a maximum of 100 miles return)

Reimbursement will be made upon receipt by UpRight Ireland of your completed warranty claim form and old printed circuit board. Reference this service bulletin number (SB 00.31) on the warranty claim form.

MACHINES AFFECTED: This service bulletin applies to the following machines.

MB20 0001 to MB20 0016

MB26 0001 to MB26 0010

PROCEDURE:

Installation instructions for replacement printed circuit board.

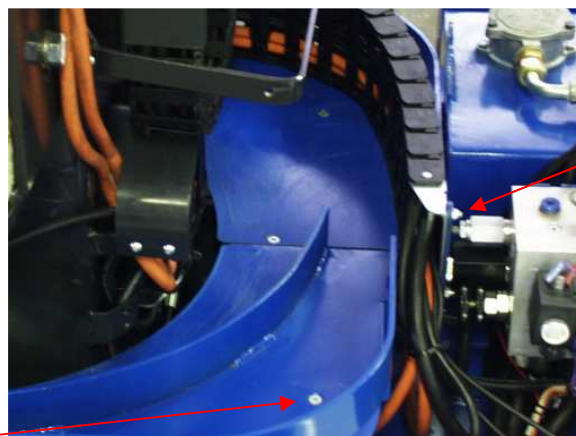
1. Ensure that the mast is brought to its fully lowered position.
2. Using the lower control box raise the jib until the jib members are horizontal as shown.



3. Remove the key from the lower control box and press in the emergency stop. Disconnect the battery supply to the Mos 90 controller via the plug connector.
4. Remove both chassis covers from the machine.

Steps 5,6,7 & 8 only apply to MB20

5. Using a 4mm allen key and a 10mm spanner, disconnect the chassis energy track from the slide plate as shown below.



Countersunk
Screws

Bolts to
disconnect
Energy
track

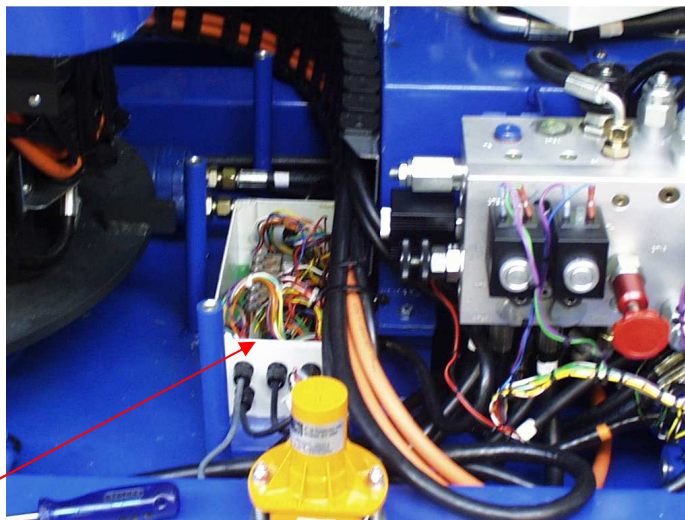
6. Using a 4mm allen key remove the three countersunk screws from the slide plates.
7. Using two 13mm spanners remove slide plate anchor bolts from both slide plates.

Slide plate
Anchor bolts



8. Both slide plates can now be removed to allow access to the printed circuit board box.
9. Remove the lid of the printed circuit board box.
10. Disconnect the printed circuit board by plugging out the wire connector blocks. Care must be taken to ensure that the wires and crimped ends are not damaged during this action.

PCB Box



MB20 PCB LOCATION



PCB Box

MB26 PCB LOCATION

11. Remove the four screws that secure the printed circuit board to the box. The board can now be removed from the machine.
12. The new board can now be fitted and secured using the above removed screws. Ensure that the board is fitted in the correct orientation. The three long sets of connector pins, situated along one side of the board, should be nearest to the hydraulic tank.
13. Reconnect the push in connectors to the board.
14. Insert the key into the lower control box. Operate all machine functions from the lower control box to check the printed circuit board functionality.
(Due to the removal of the slide plates please be aware that the MB20 can not be slewed. This function can be checked by a brief operation of the controls.)
15. Operate all machine **lift** functions from the upper control box.
Ensure that the pothole bars are activated by the lift functions on both the upper and lower control box.
16. Operate the drive and steer functions.
Ensure that the machine drives at 'crawl' speed and that the potholes stay in their lowered position when driving in the elevated position.
17. Raise the jib to its horizontal position as done earlier and remove the key from the lower control box. Press in the emergency stop.
18. Refit the lid to the PCB box.
19. Refit slide plates to the machine and connect chassis energy track to the slide plate. (See point 5 for details)

20. Refit chassis covers to the machine.
21. Operate all machine functions again from both the upper and lower control boxes to check machine functionality.

On completion of retro-fit please email the following details to

poneill@uprighteuro.com

Details:

- Machine serial no.
- Retrofit date.
- Name of person who performed retrofit.

Warranty claims should be forwarded to Anthony Burton in Upright Ireland.