



## Electrical fault diagnosis on profiling beds.

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### START

If **NONE** of the electrically powered functions operate then **go to STEP 1.**

If at least **ONE** of the powered functions operates correctly, but another does not, **go to STEP 2.**

### STEP 1

Check that the mains plug is correctly inserted in the wall socket.

Check the fuse in the mains plug.

Check that the black safety connector has not become disconnected. If available, try one from another bed to check for correct operation. (Why not order a spare?)

Check that the mains cable is correctly plugged in to the main controller.

Check that no cables have been cut, sheared or unduly compressed.

If you have now identified a fault and have cured it then job done!

However, does it identify a training need - showing staff how to operate the bed safely?

If none of these checks has revealed a fault then **go to STEP 2**

### STEP 2

Check the spiral cable connecting the hand control to the main controller - is it completely undamaged along its whole length - including its entry into its plug?

If there is damage **go to STEP 3**

If there is no damage **go to STEP 3**

### STEP 3

If you have other Nexus beds then remove a hand control unit from a bed known to be fully operational & replace the hand control on the faulty bed with this one.

If the faulty function now operates correctly then **go to STEP 7**

If **AT LEAST ONE** function (but not all) still does NOT operate correctly then **go to STEP 4**

If **NO** functions work at all **go to STEP 8**

(Remember to return the working hand control to the operational bed).

If you are unable to try a 2nd hand control then **go to STEP 9**

### STEP 4

For a powered function which does NOT operate, remove its plug from the main controller, after releasing the retaining strap from over the sockets using the tip of a small screwdriver. Refit this plug into the socket of one of the functions which DOES work correctly.

Test the function.

If the function now operates correctly, **go to STEP 8.**

If the function still does NOT operate correctly then **go to STEP 5.**

### STEP 5

Using a powered function which DOES operate correctly, remove its plug from the main controller & refit into the socket of the function which does NOT work.

If THIS function now does NOT operate **go to STEP 8.**

If THIS function continues to operate **go to STEP 6** (remember to replace the plugs into the correct sockets).

### STEP 6

The actuator controlling the inoperative function is faulty & will require replacement.

### STEP 7

The hand control unit is faulty and will require replacement.

### STEP 8

The main controller is faulty and will require replacement.

### STEP 9

Contact NEXUS for advice.