Hanning Actuator Replacement Guide

IMPORTANT INFORMATION

Actuator terminology

Actuators can be described by their length specifications (i.e. shut length and stroke length are represented numerically as 365/150 respectively). The shut length is the actuator measurement in the shut or closed position. The stroke length is the total length that the telescopic hub can extend. All measurements are from the centre of the top and bottom mounting holes in millimetres.

Do you have the correct actuator?

Actuators with a shut length of 325mm and 365mm look similar but they are not interchangable. Check the manufacturer's specification plate and actuator motor casing stamp for the correct actuator size for you.

Actuators with the same shut length in most cases are interchangable even if the stroke lengths differ (i.e. if you have a 365/190 or 365/200 actuator, you can replace either of these with a 365/150 actuator). Note that the maximum height will be reduced by 10 to 12cm.

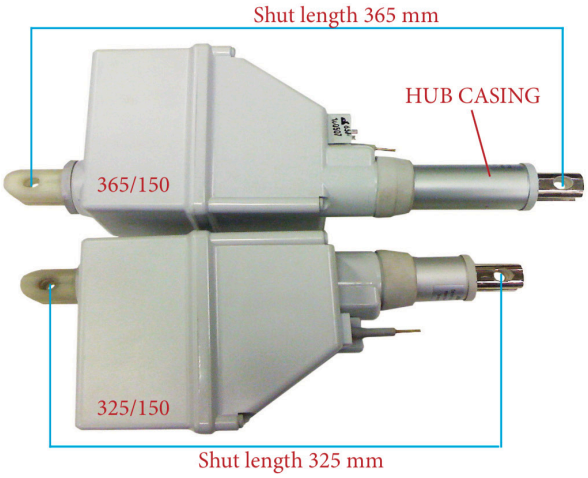
Ensure that the actuator's voltage (see manufacturer's plate) is suitable for your country (Europe and Australia 230V, North America 110V).

A Magnetic to Hanning 365/150 actuator conversion will also require a Hanning footswitch and power cord as the Magnetic items are incompatible with the Hanning drive system.

WARNING

Disconnect power source before you attempt to replace the table's actuator.

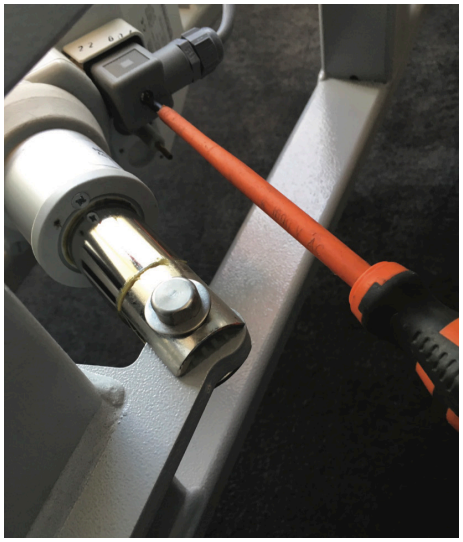
Do not open the actuator plastic housing unless you are electrically certified to do so. If you are unsure about any of the information in this guide, please contact Athlegen Customer Service.



Actuators shown above are in the shut position. Note that the 365 model has a much longer hub casing. Size stamp (shut length/stroke length) can be located on any face of the plastic housing.

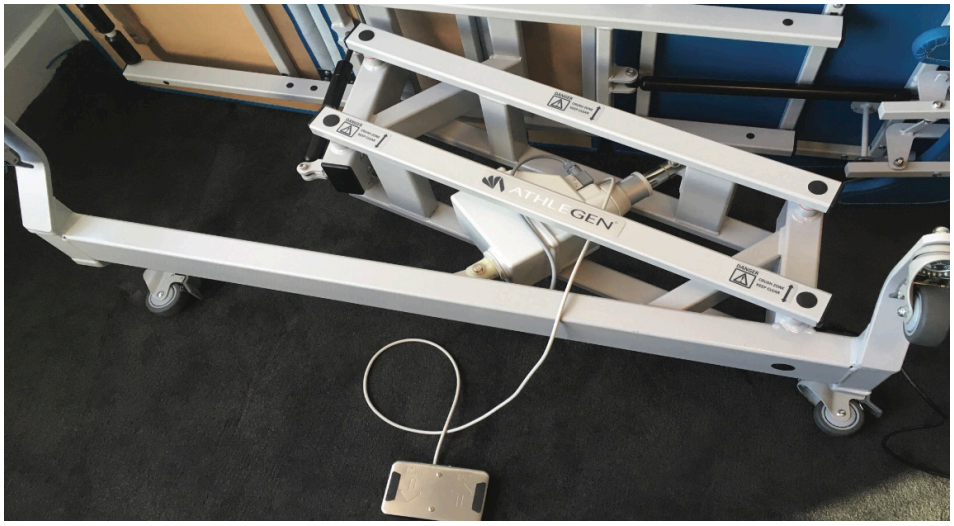
1. Depending on your table model, either remove the power cord or unplug power cord from wall socket.

2. Remove air tube from the actuator.



3. Remove screw holding the grey square power connector to the top of the actuator.

4. Remove square power connector and the black gasket (if it does not remain attached to the square connector) from the top of the actuator.



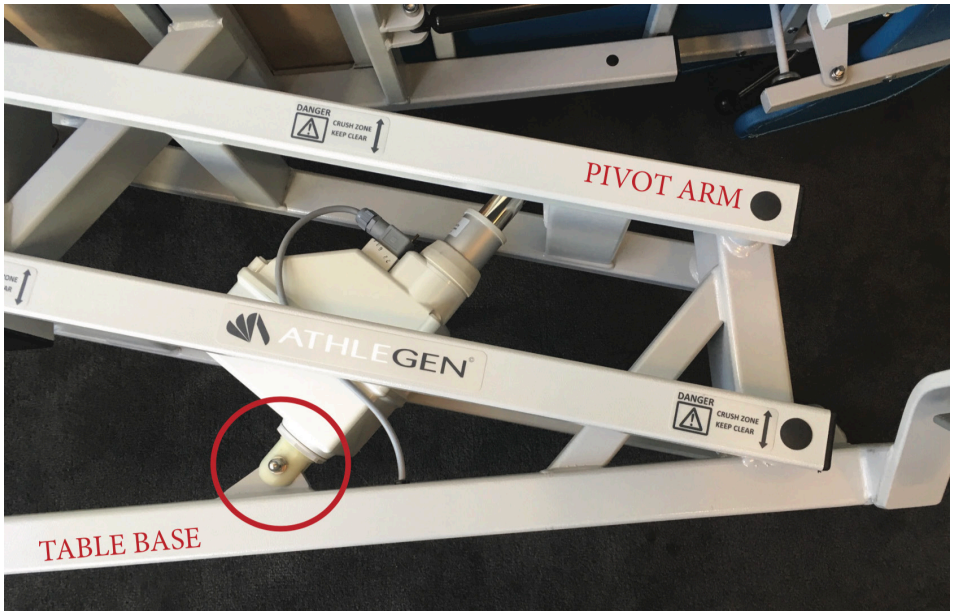
5. Place table on its side, protect upholstery with cushions or towelling.

6a. Use two 13mm spanners to remove actuators fitted with shoulder bolts and nuts.

6b. Use two 5mm Hex keys to remove actuators fitted with socket bolts.

6c. Use a screwdriver to prise off press lock dome caps (aka Axel cap fasteners). Replace shaft and Axel cap fasteners with 10mm diameter bolt with a 25-30mm shank and nut fixing system.

7. Remove motor mount bolts with spanners.



8. Check for correct motor orientation. Note the grey square power connector is situated on the top of the actuator as is the telescopic hub.

9. Place plastic bushes into the bottom actuator fork.

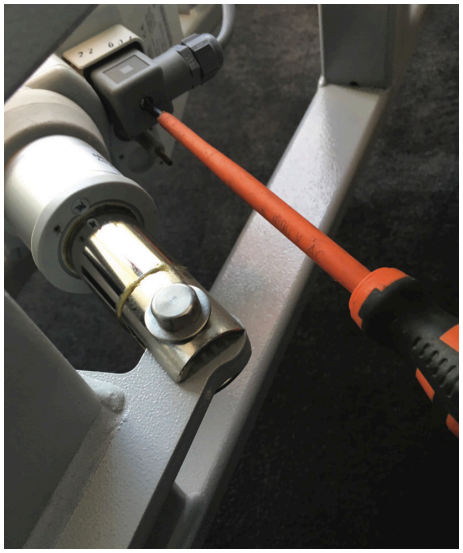
10a. Slide the actuator fork over the base mount. Push the bolt through the fork bush and the base mount bracket.

10b. Place plastic bushes into the fork at the top of the actuator (i.e. the telescopic hub fork).

11. Slide the actuator fork over the pivot arm bracket. Push the bolt through the fork bush and the pivot arm mount bracket. You can lift or lower the pivot arm so that it is easier to push the bolt right through.

12. Fit the black gasket to the actuator.

13. Place the grey square connector firmly in place.



14. Tighten the screw to hold the grey square connector in place.

15. Firmly connect the air tube.

TEST PROCEDURE

- Postion the table upright
- Connect the table to a power source
- Operate actuator and check that the actuator automatically switches off when it reaches both the minimum and maximum height positions
- Test again under load (i.e. with a person on the table)
- Ensure that the motor drive direction matches the footswitch arrows