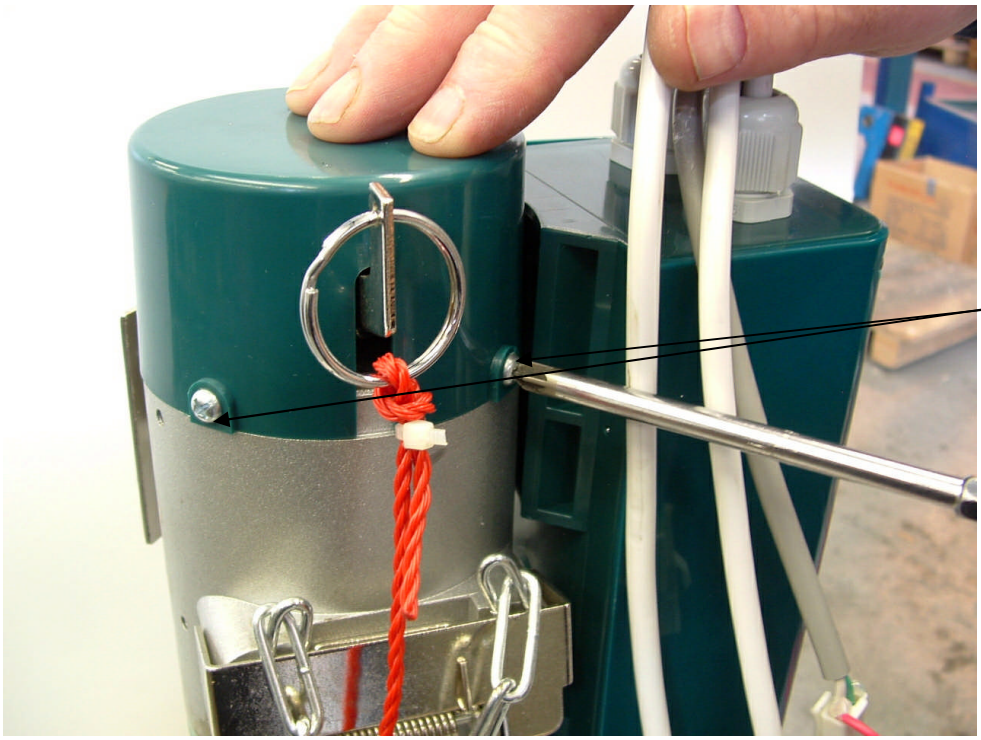
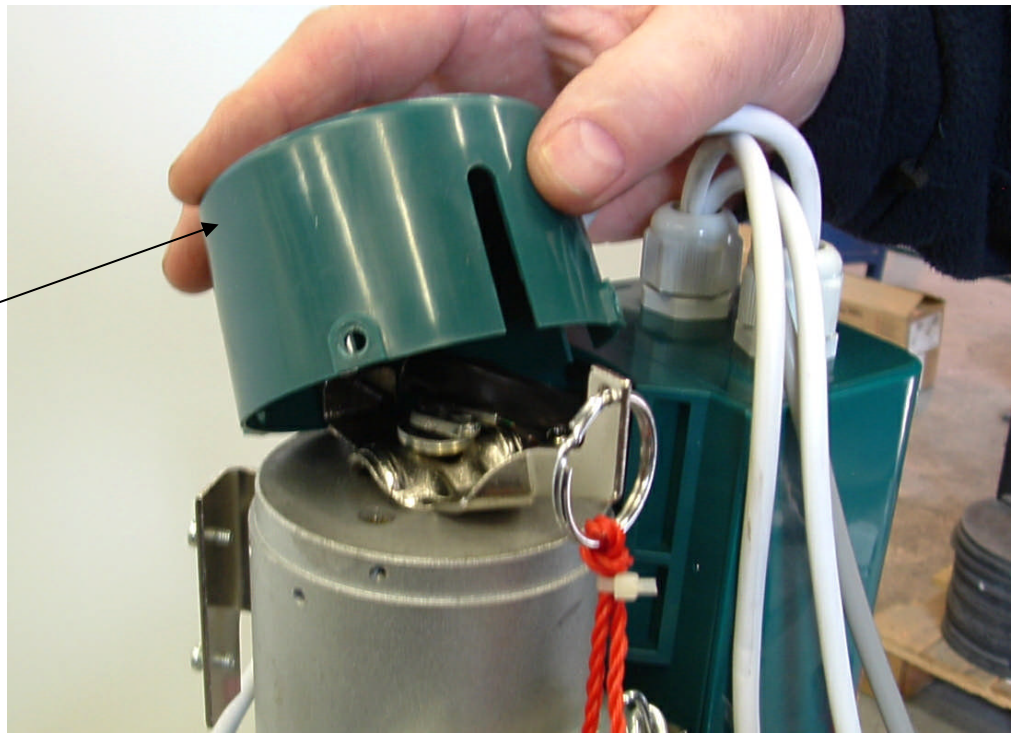
# Ellard Instruction - T211

## Handing a JM150 PCB model fire door drive.



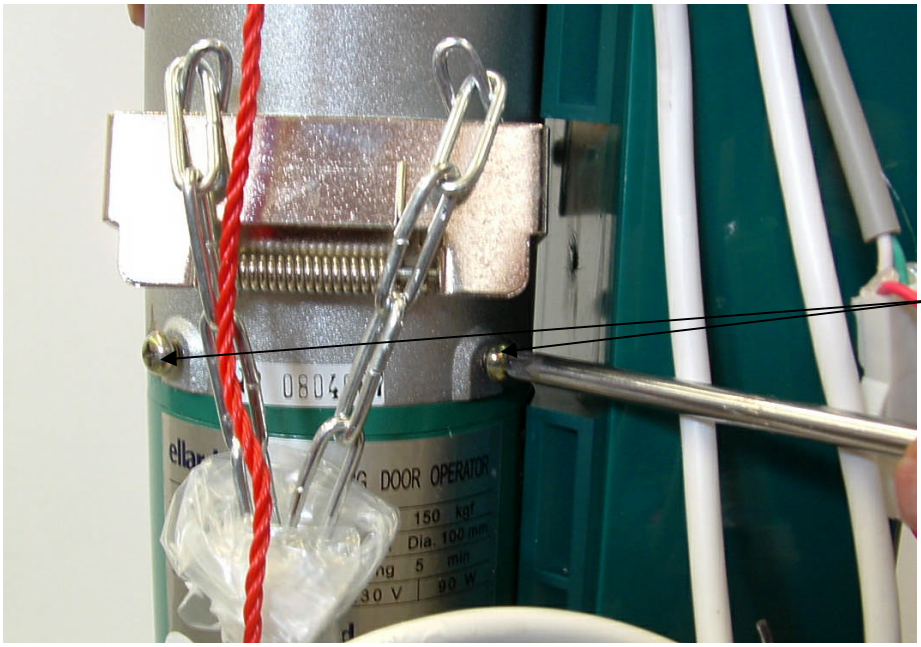
**Photograph 1**

Remove the 4 end cap retaining screws and lay aside.



**Photograph 2**

Remove the end cap and lay aside.

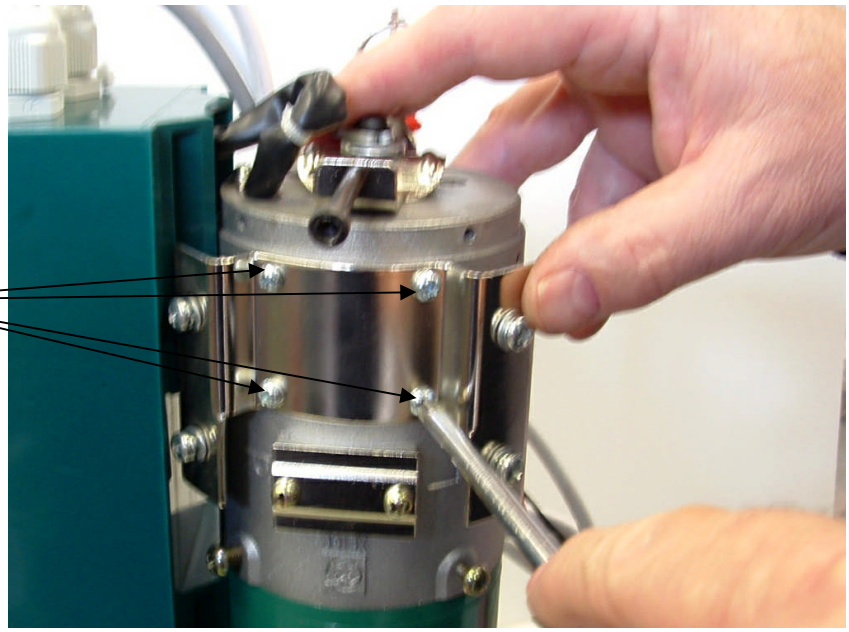


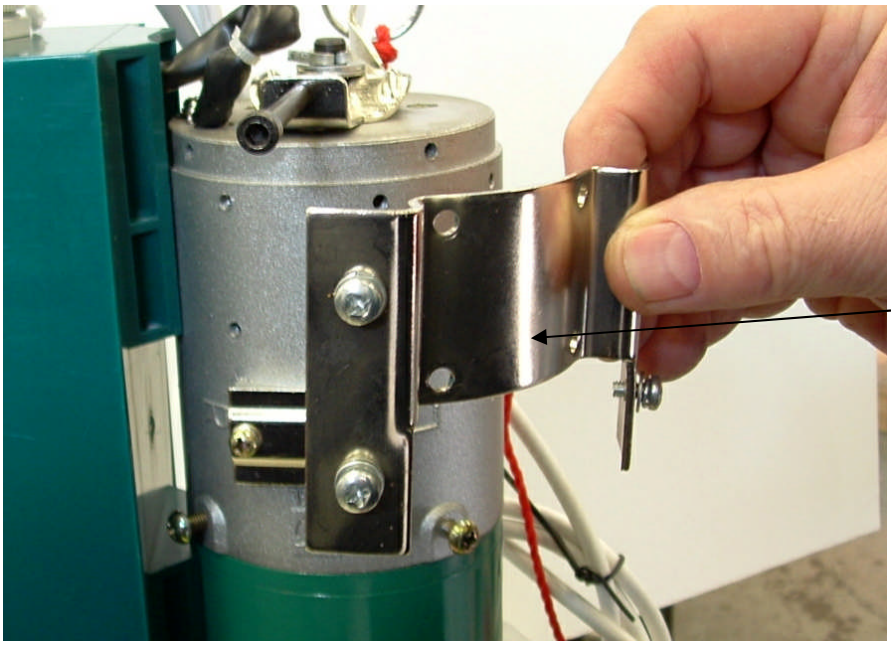

**Photograph 3**

Slacken the 4 brake retaining screws

**Photograph 4**

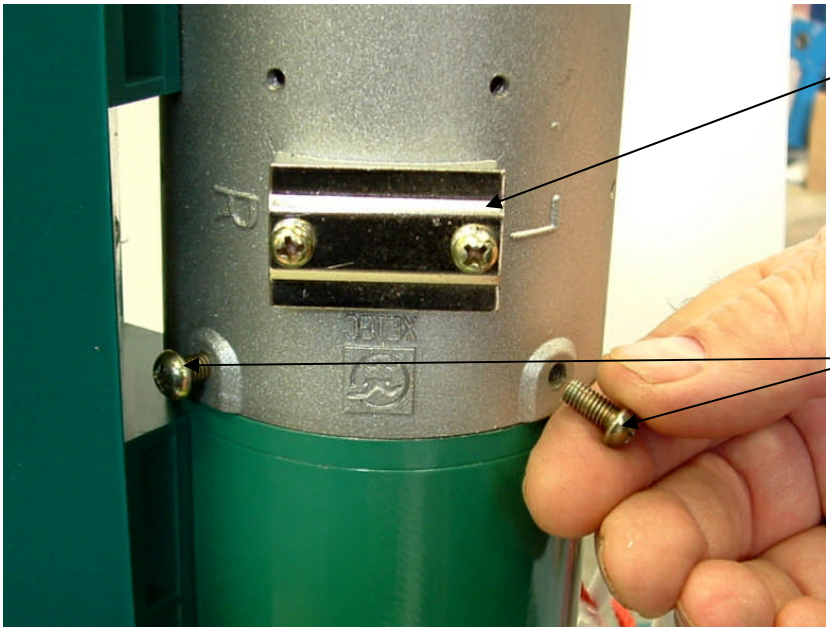
Remove the 4 brake release mounting plate screws and lay aside.





**Photograph 5**

Remove the brake release mounting plate and lay aside

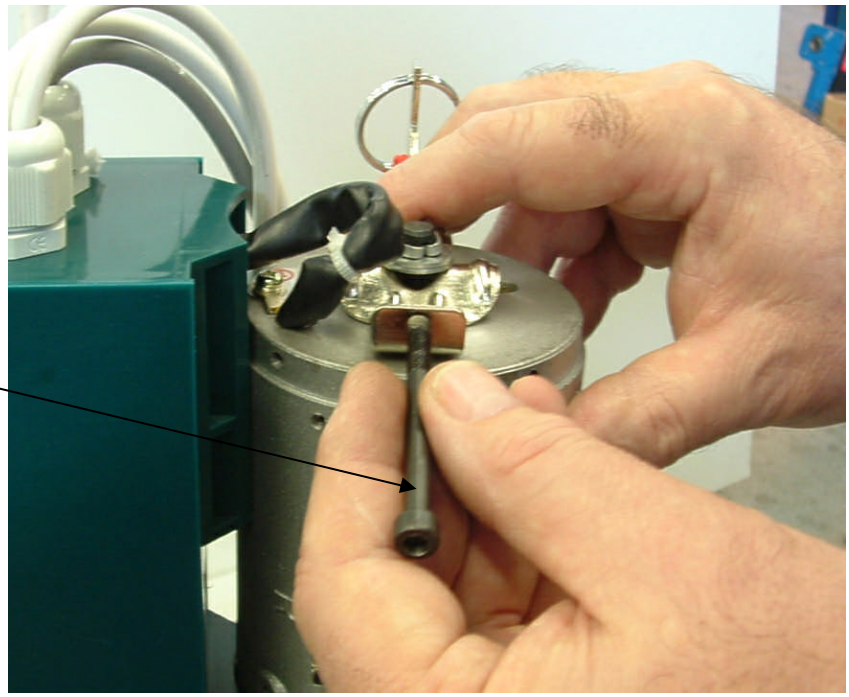


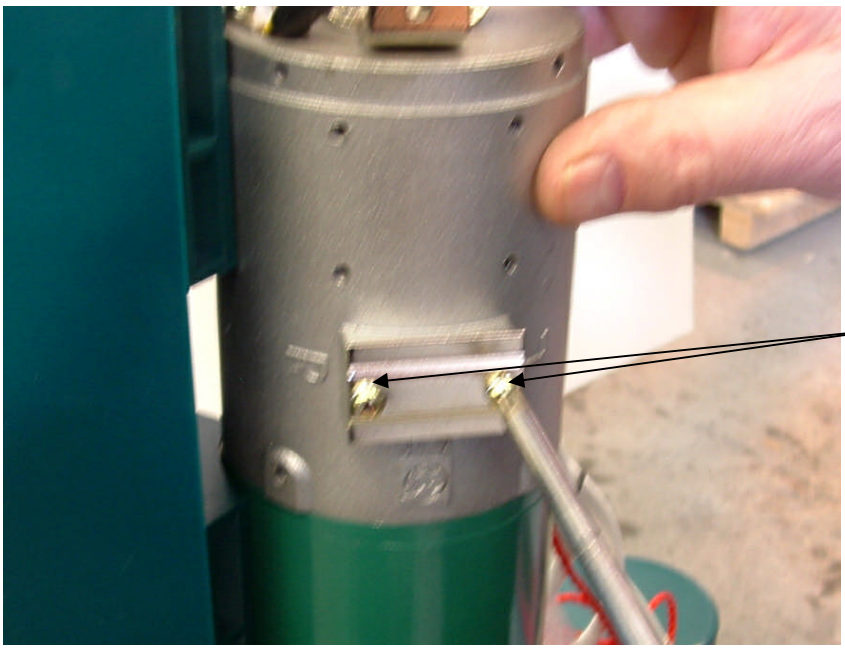

**Photograph 6**

Remove the 2 brake retaining screws located either side of the access plate and lay aside.

**Photograph 7**

Remove the brake activation screw and lay aside.





**Photograph 8**

Release the access plate retaining screws and lay aside

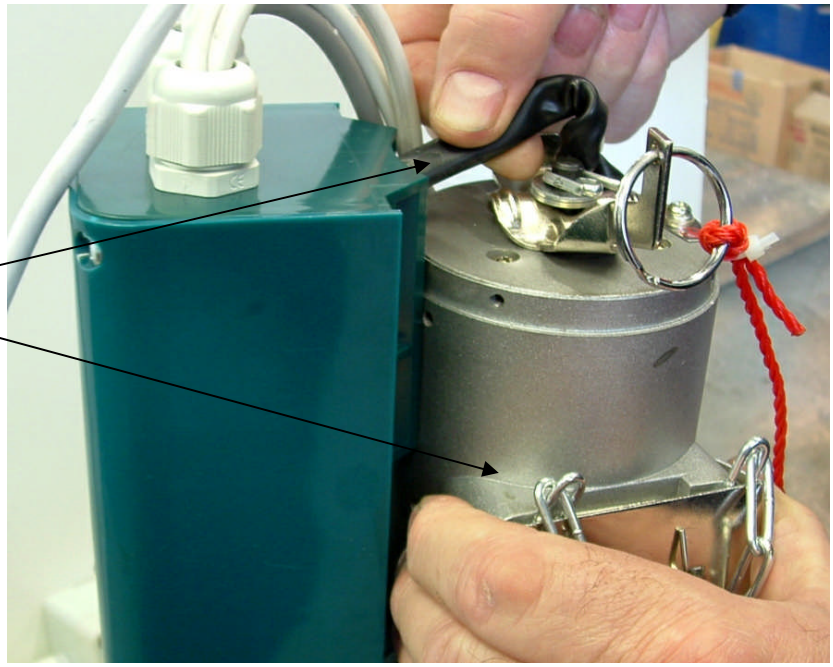


**Photograph 9**

View on brake unit after the removal of the access plate and retaining screws.

**Photograph 10**

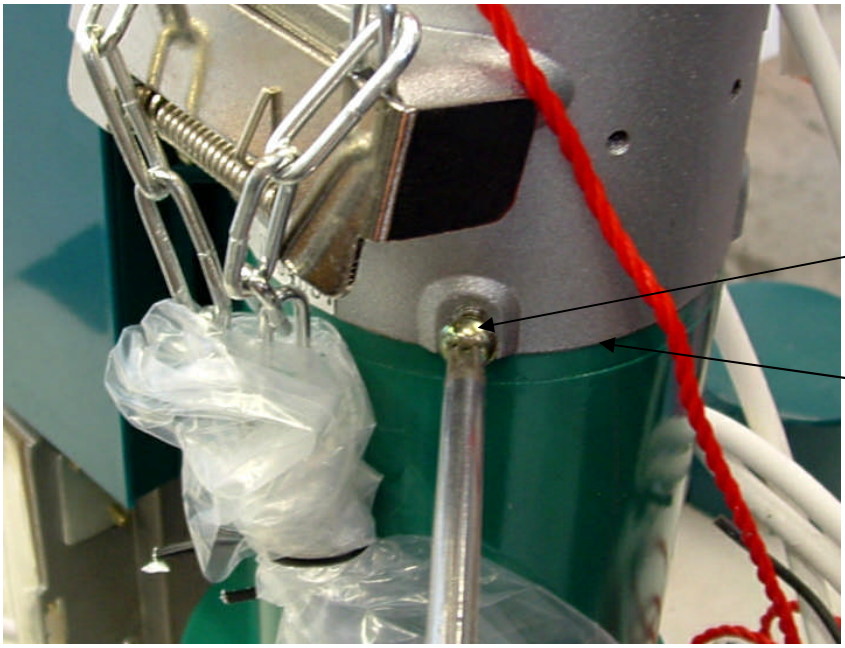
"Ease" the cable from the controller and rotate the brake through 180º





**Photograph 11**

Apply light pressure to brake unit to locate the brake and motor faces, without a gap, prior to tightening the brake retaining screws.



Photograph 12

"Nip" the 2 brake retaining screws, whilst maintaining light pressure to the top of the brake.

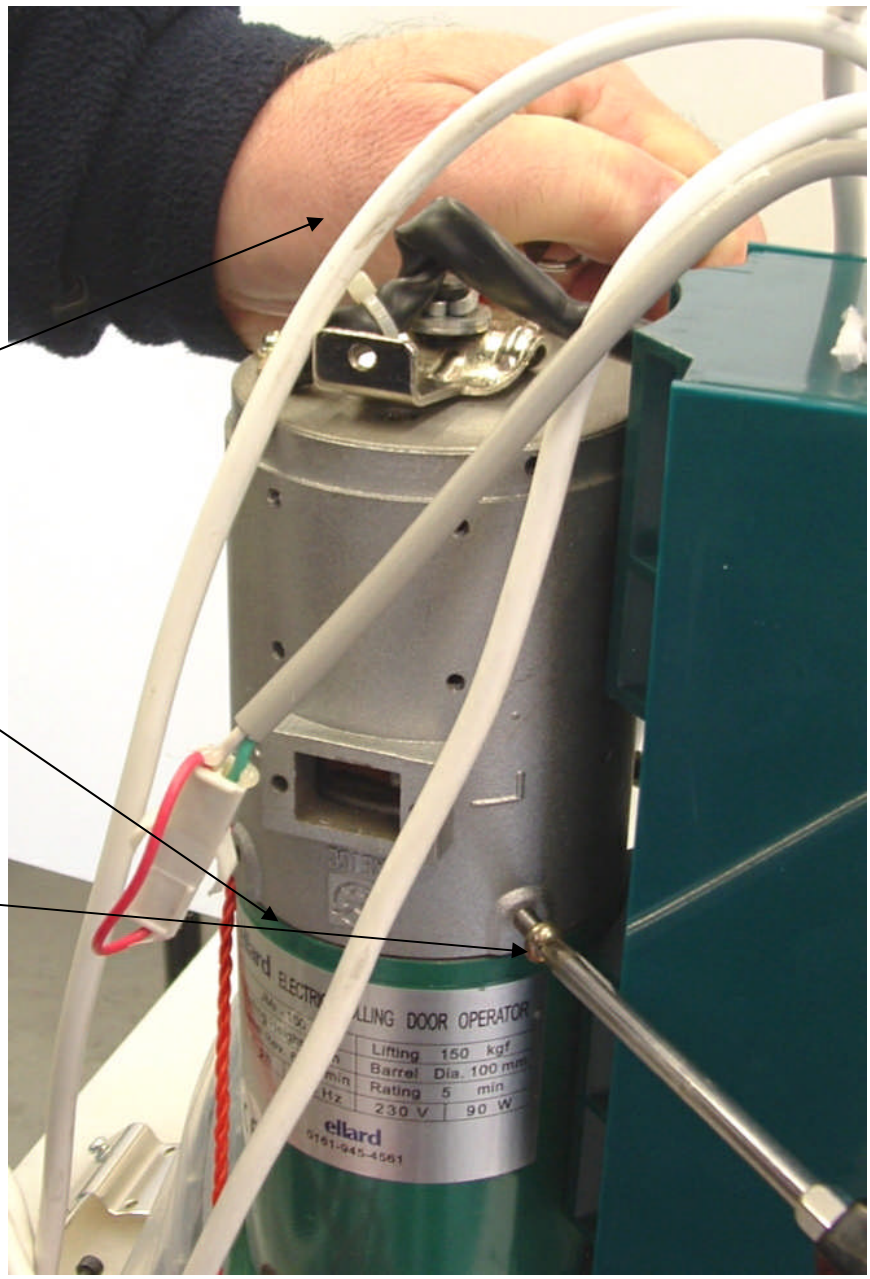
Note - ensure that there is no gap between the brake and the motor.

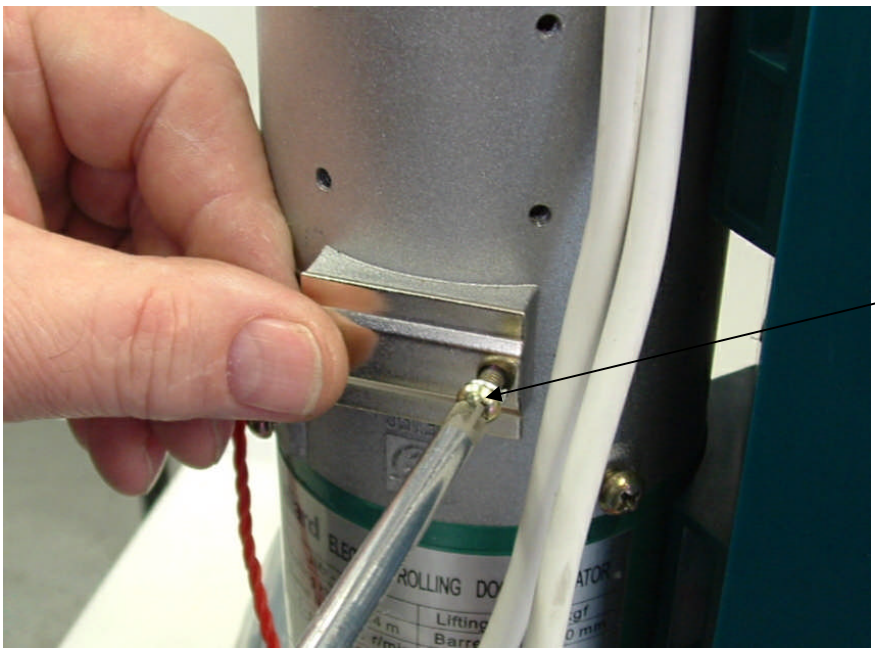
**Photograph 13**

Maintain light pressure to the brake whilst tightening the retaining screws.

Ensure that this gap is removed prior to finally tightening the retaining screws.

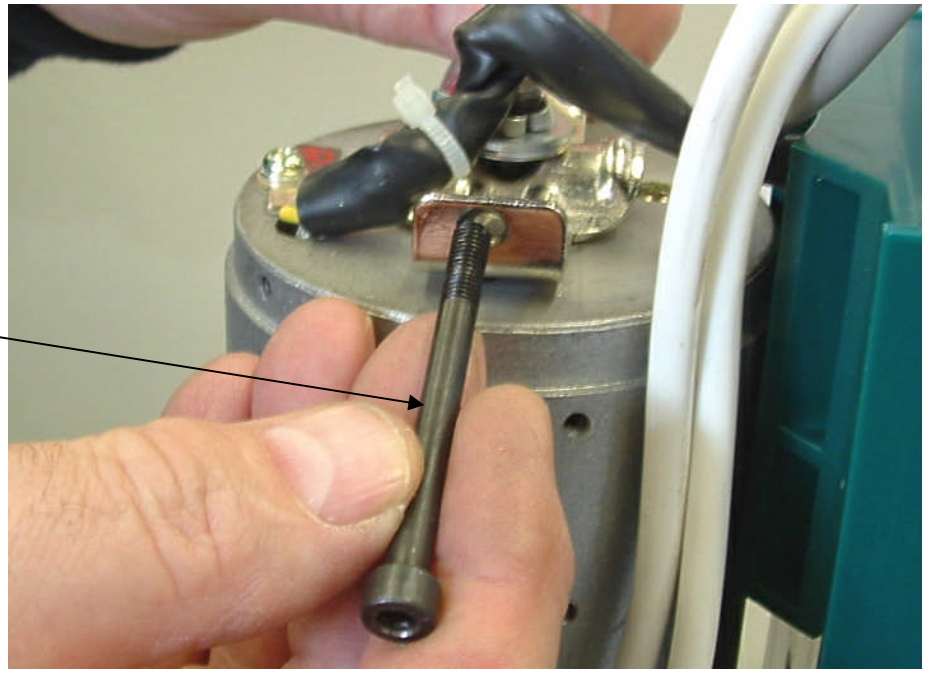
Replace and tighten the 2 remaining brake retaining screws.





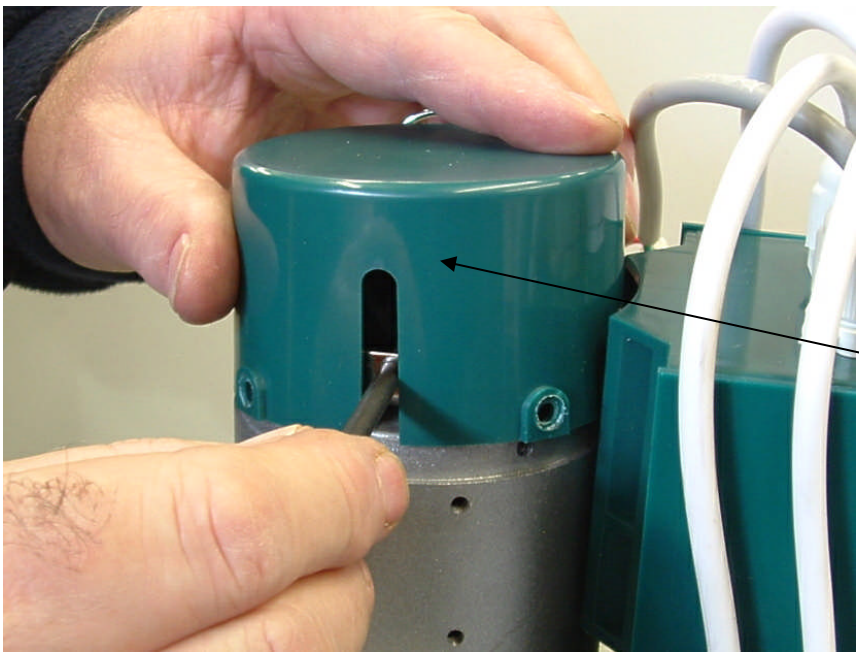
**Photograph 14**

Replace the access plate and tighten the access screws



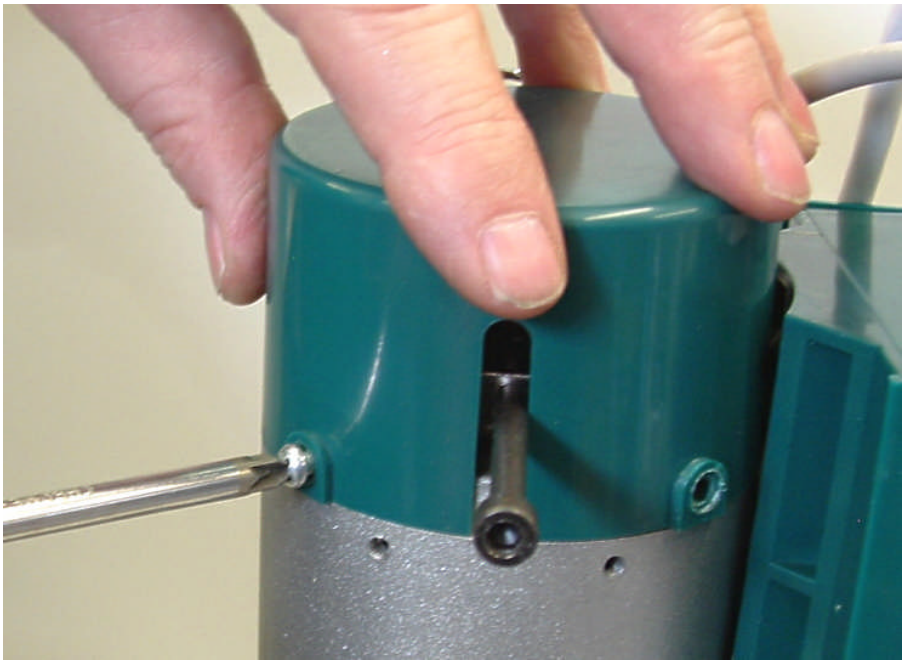
**Photograph 15**

Replace the brake release screw.



**Photograph 16**

Replace the  end cap.

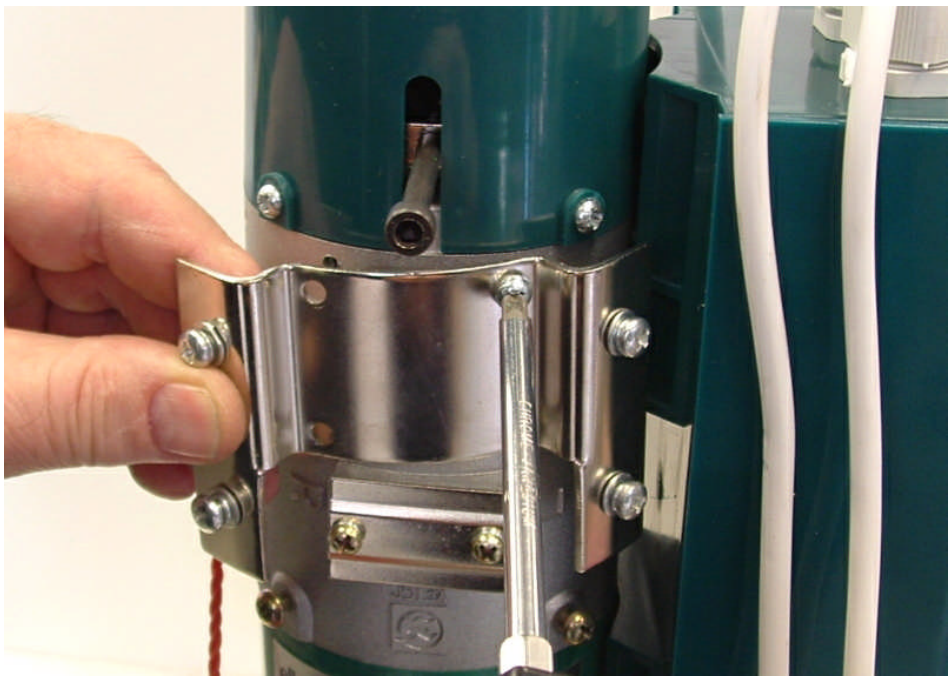


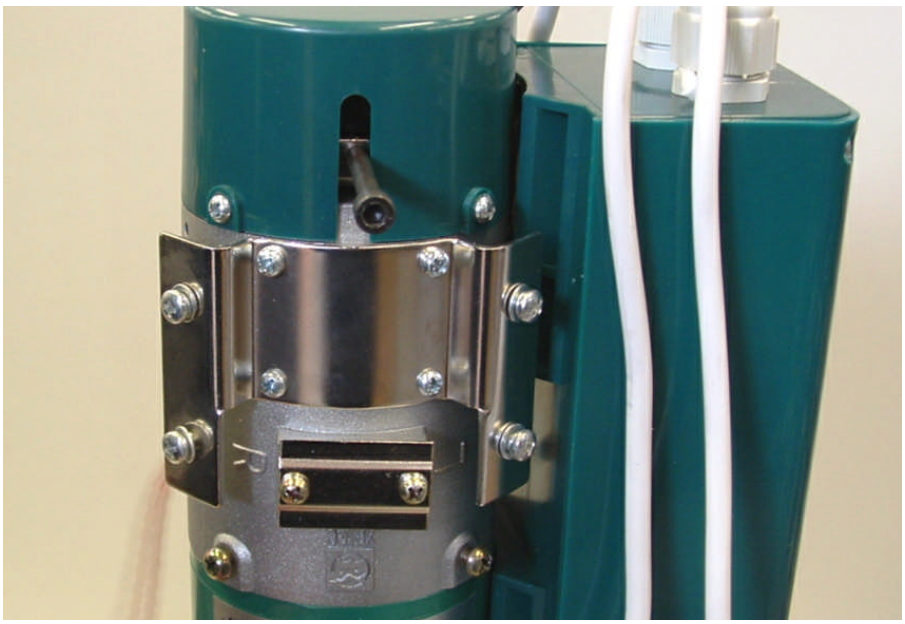
**Photograph 17**

Replace the end cap retaining screws and tighten.

**Photograph 18.**

Replace the brake release mounting plate and screw into position.





**Photograph 19**

The motor is now handed and ready for operation.

Prepared by Ron Swift
Date 26th September 2008