

Motor Repair

make it under your own risk

**I do not assume any responsibility if it
goes wrong**

or you damage any piece



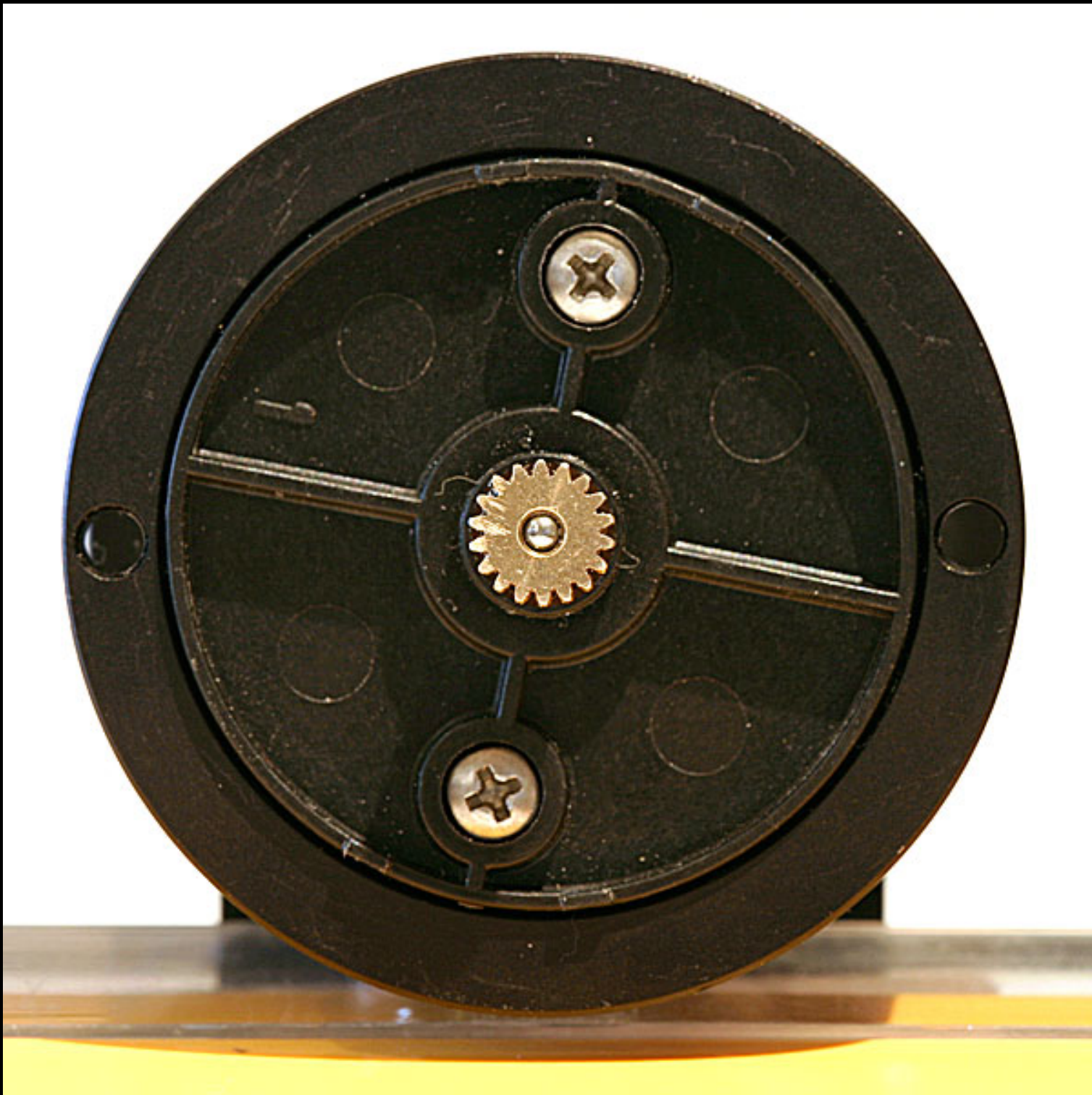
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Complete motor unit after unscrewing off the gear box.

RA and DEC are the same and interchangeable

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Unscrew this 2 screws. With this you are able afterwards to
take off the round

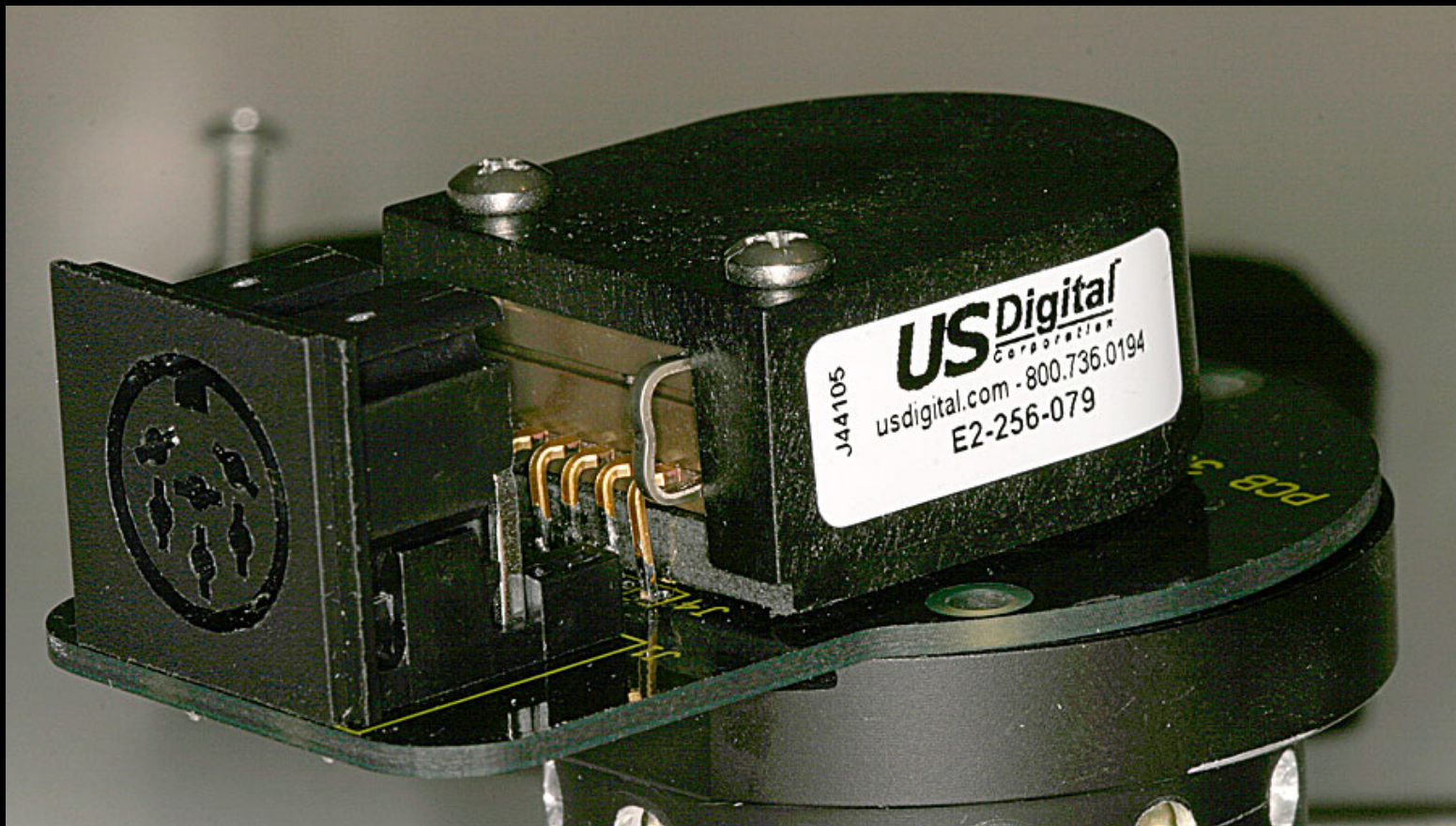
cover of the motor but first go to next page

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Unscrew this 3 screws and so the round cover of the motor
slips from the motor

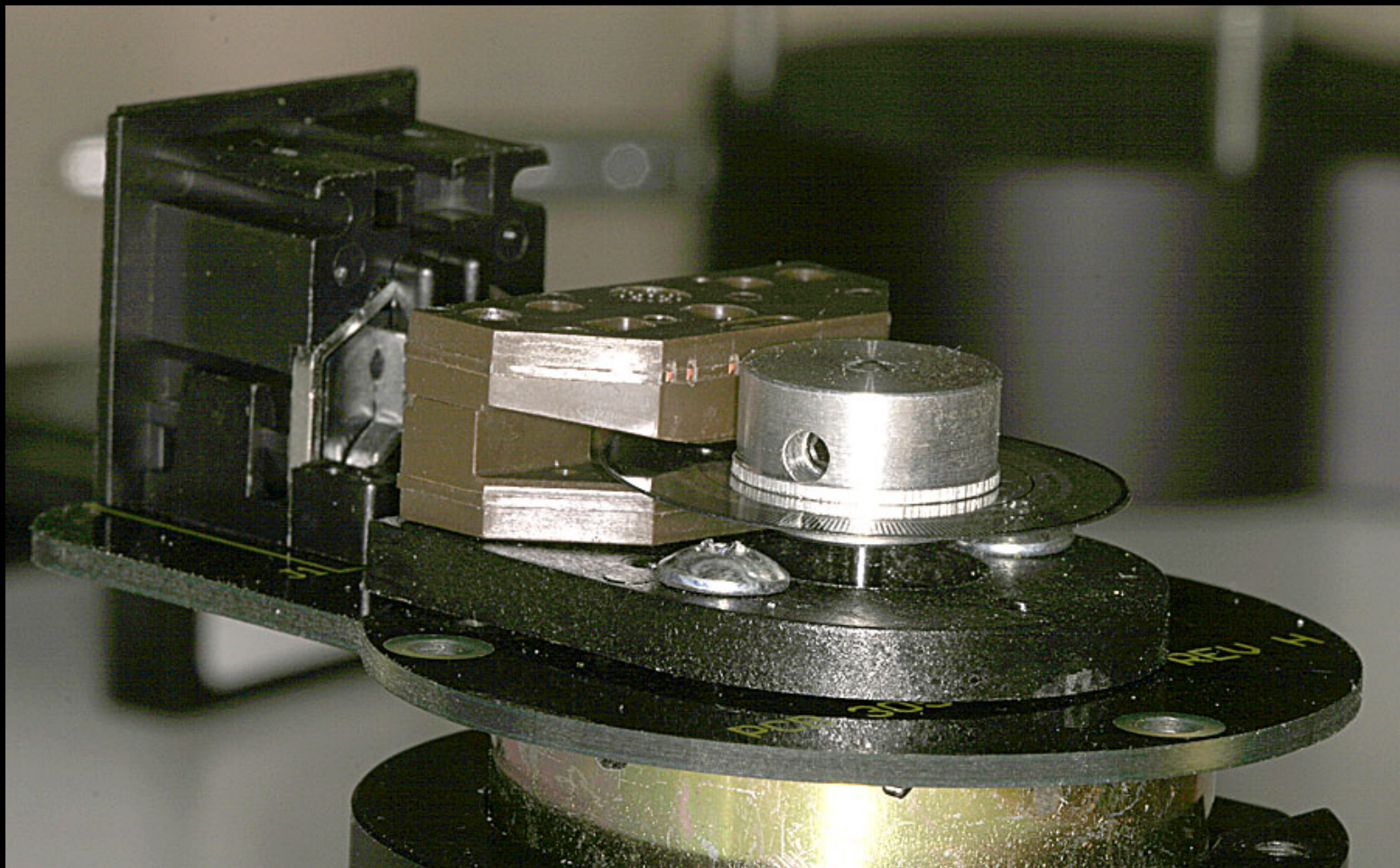
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This is the encoder unit after taking off the aluminum cover.

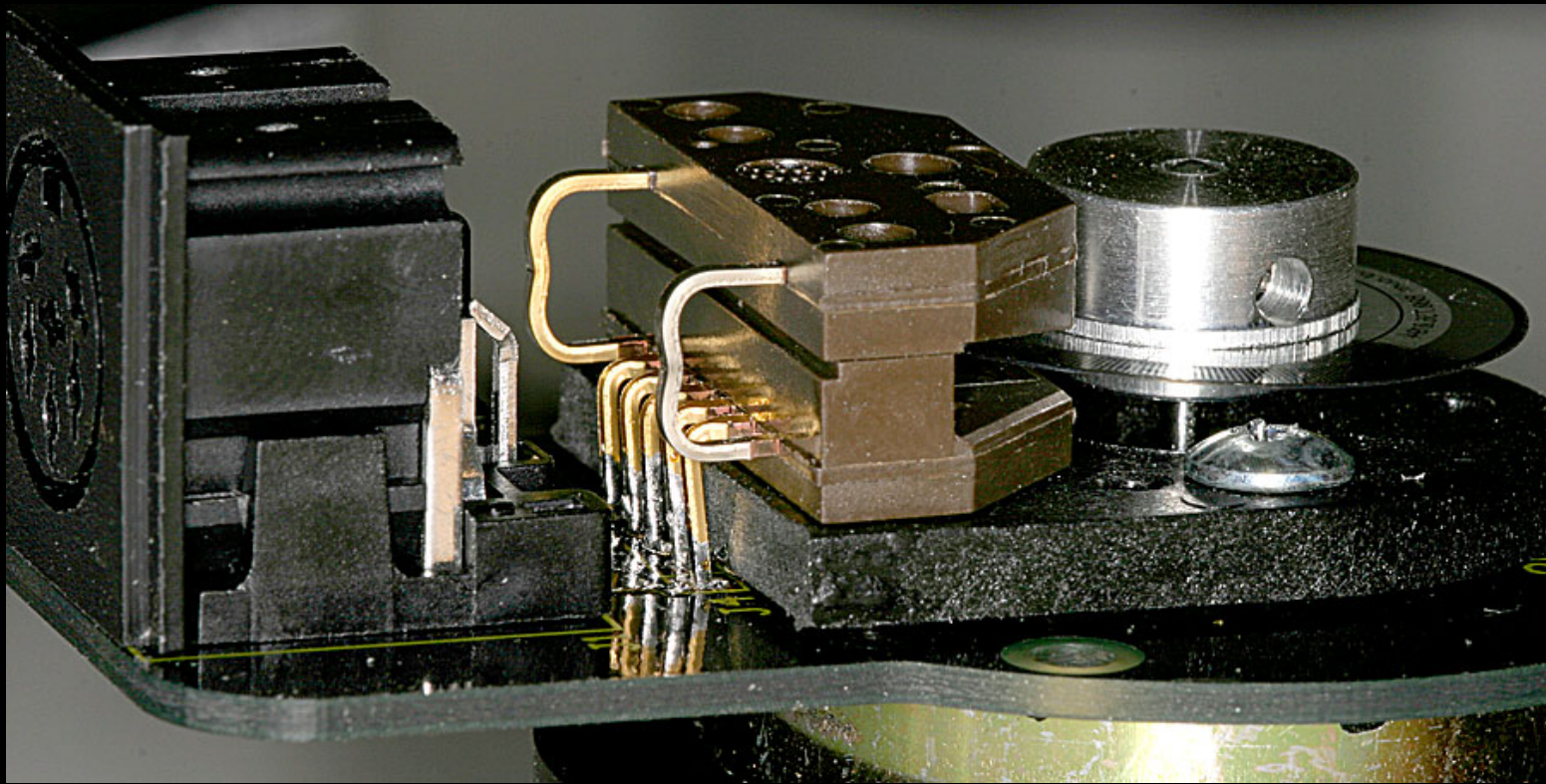
Unscrew the 2 screws of the cover of the encoder.

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This are the parts under the encoder cover. The little transparent disc is very delicate. To be able to get this disc off the motor shaft loosen the Hexscrew. Now comes the difficult part. Either you carefully bend the brown part upwards until the disc comes free or you desolder it from the circuit board. Go to next page

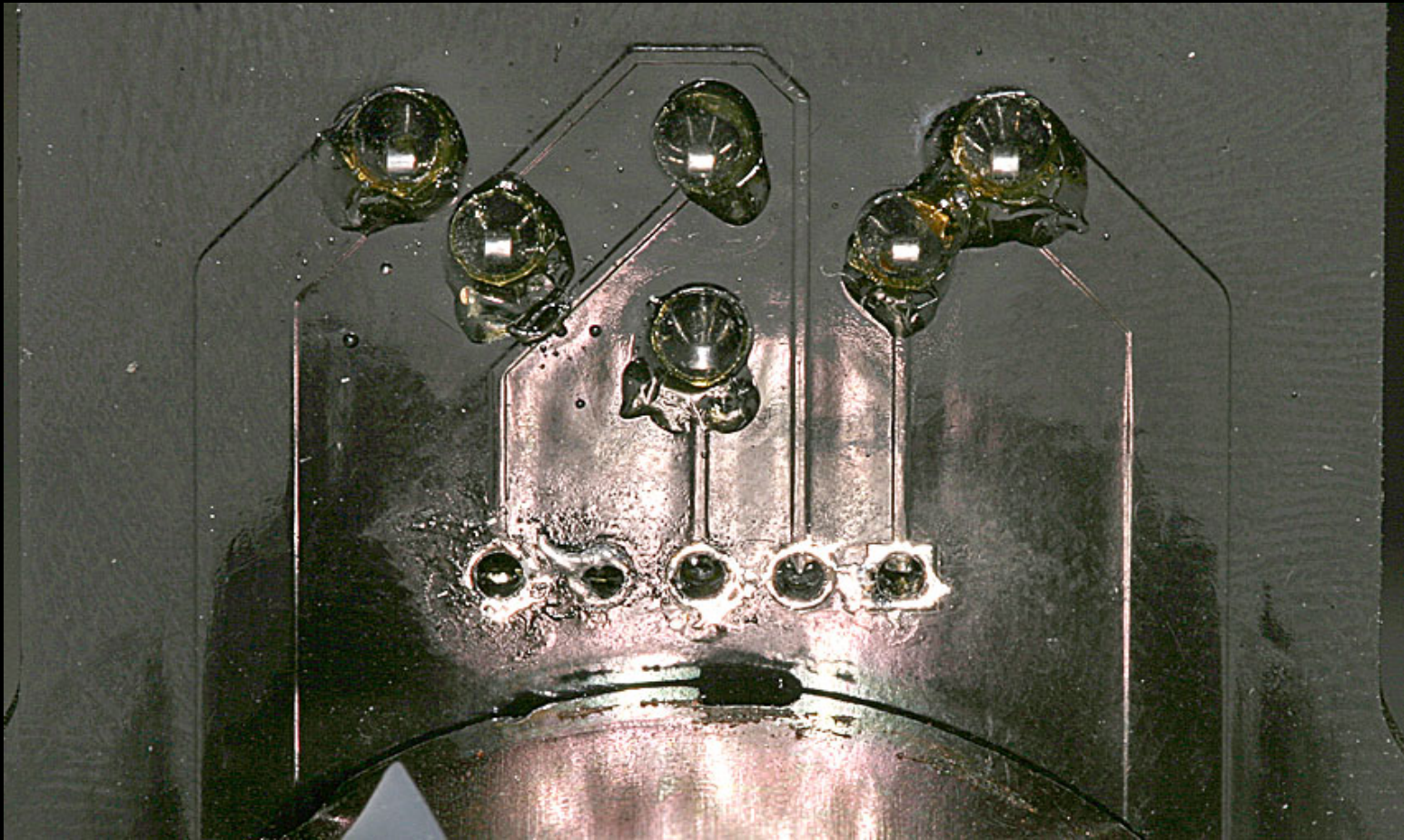
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Here you see the rear end of the brown part. To be able to lift it you must desolder the 5 pins from the circuit board. Then you are able to unscrew the lower black part of the encoder.

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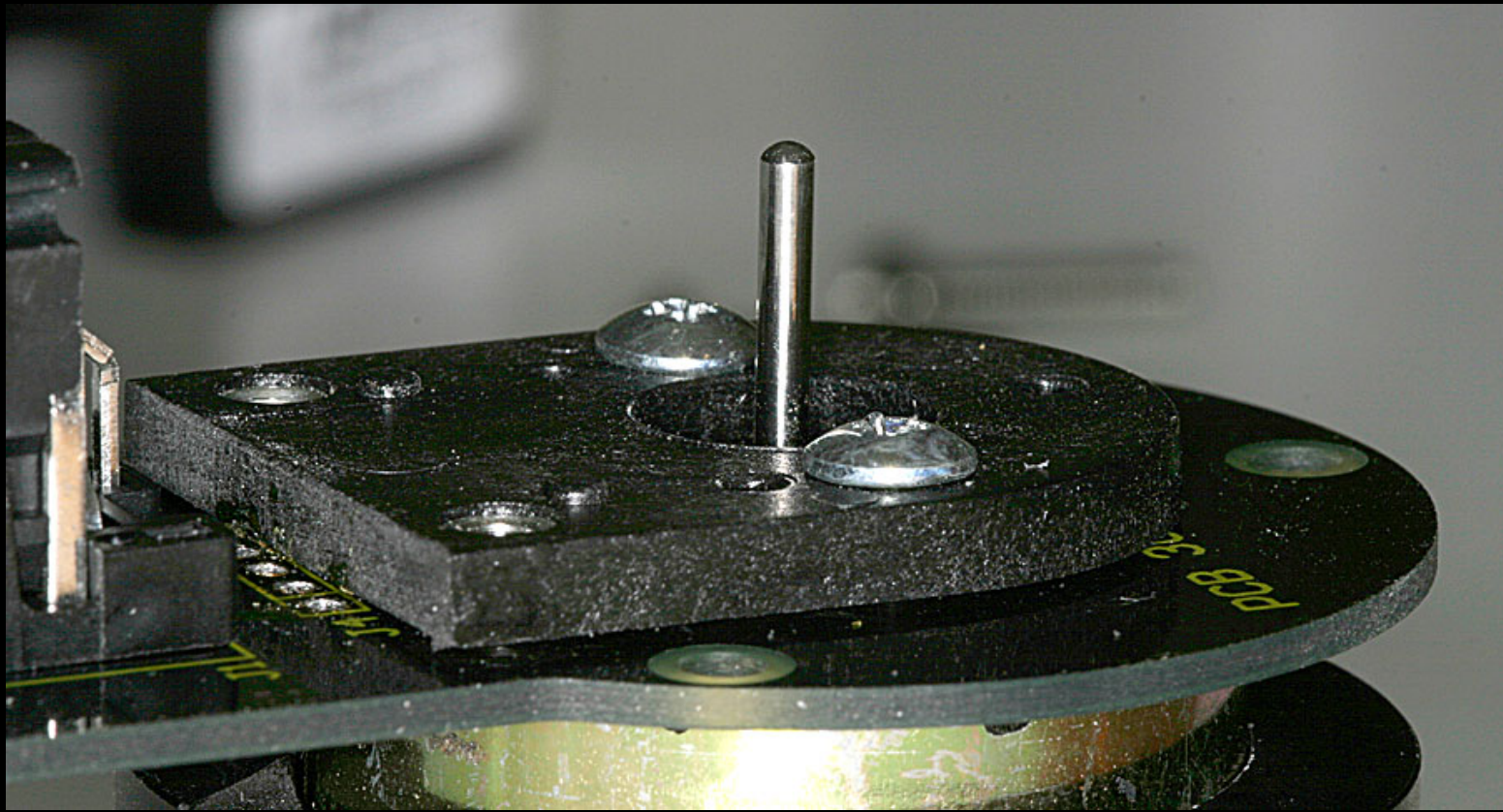
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This is the view of the lower part of the circuit board where you can see the 5 holes
where

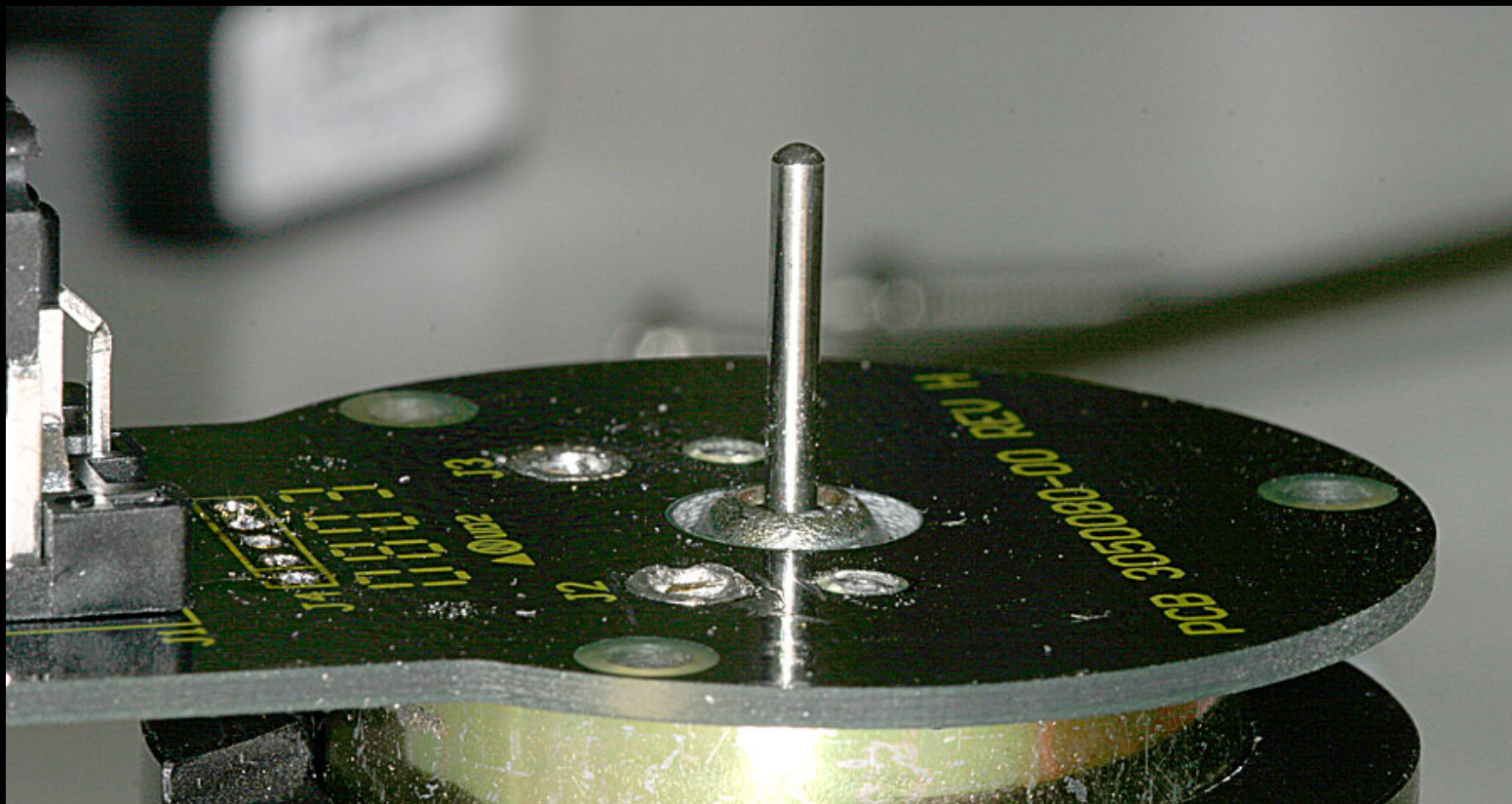
the brown part is soldered in. Go to next page

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After desoldering the brown part or having lifted it you can unscrew the black part. This is absolutely necessary to be able to desolder the motor from the circuit board. Go to next page

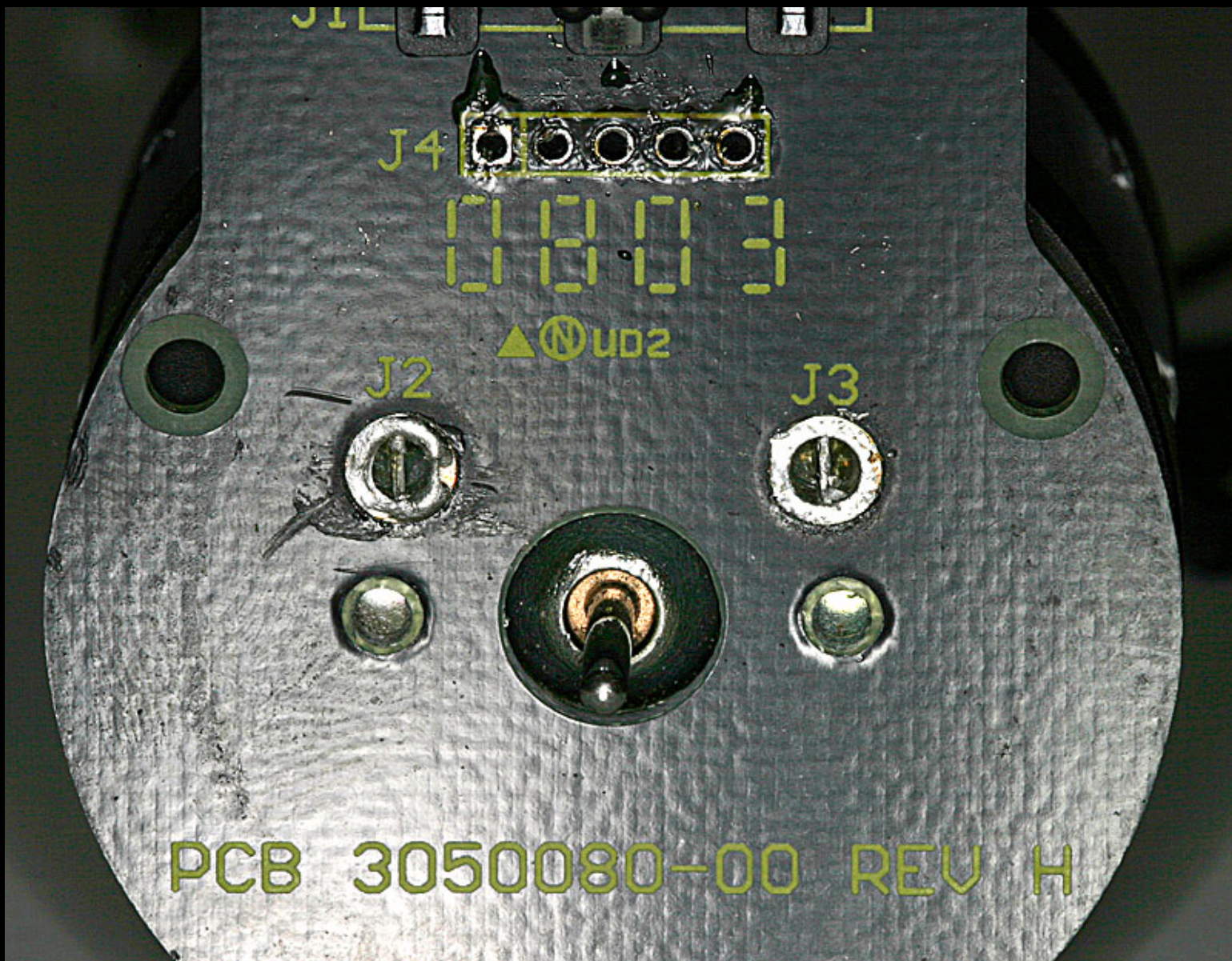
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Having reached this point you can desolder the motor which is held by the 2 holes marked with J2 and J3 and here you solder in the new motor and set it together in the same way backwards.

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Here you see the circuit board with the shaft on which the encoder disc is mounted.

Good Luck :-) wishes you Rainer

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