

How to Disassemble the Instrument Pod on a ED-2 Katana

by Joey Huang #120

Special thanks to Yoshi for supplying me the instrument pod from a 1982 Katana for this demonstration.

How to take the Meter apart

Step 1



Pull the trip needle reset knob on the left side of the meter.

Step 2

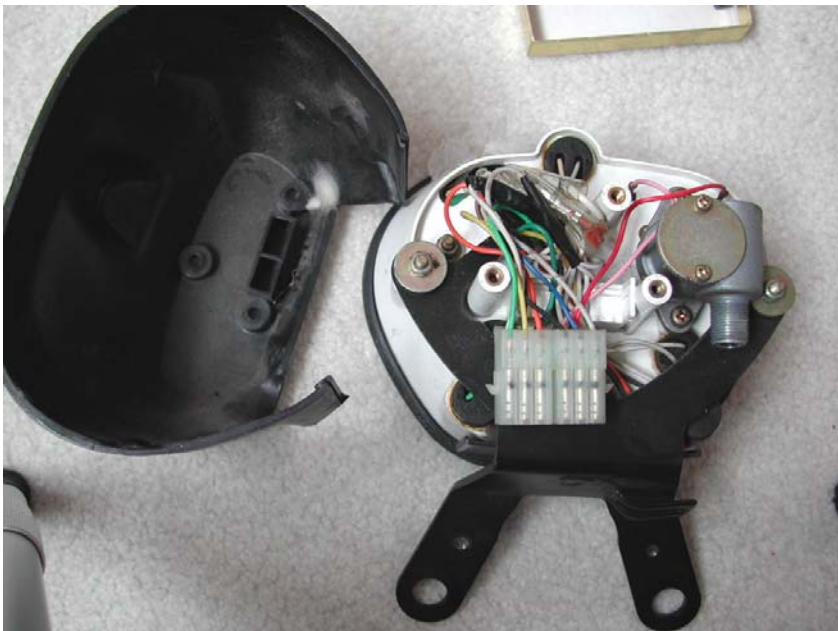


Take the knob off.
(It is kind of tight, but be VERY VERY CAREFUL!)



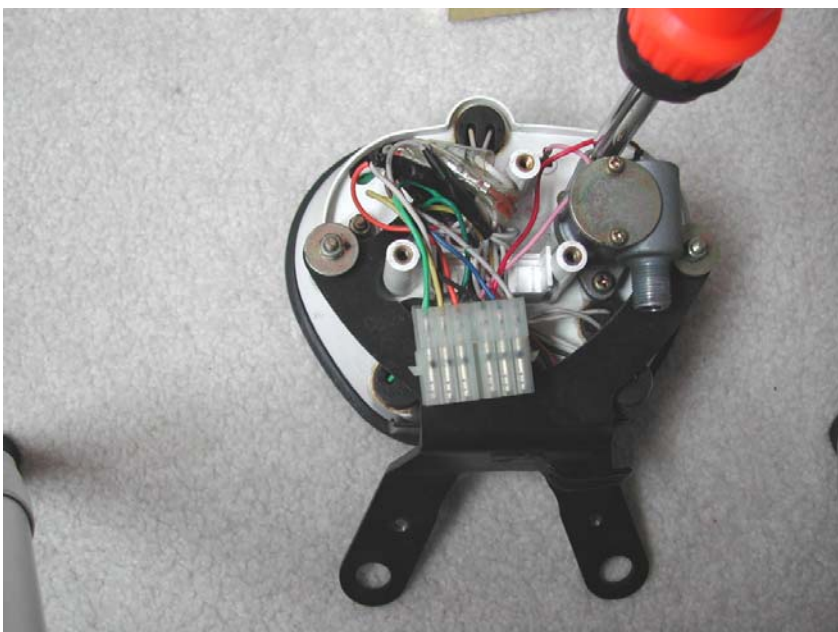
Step 3

Unscrew the 3 screws on the back of the meter.



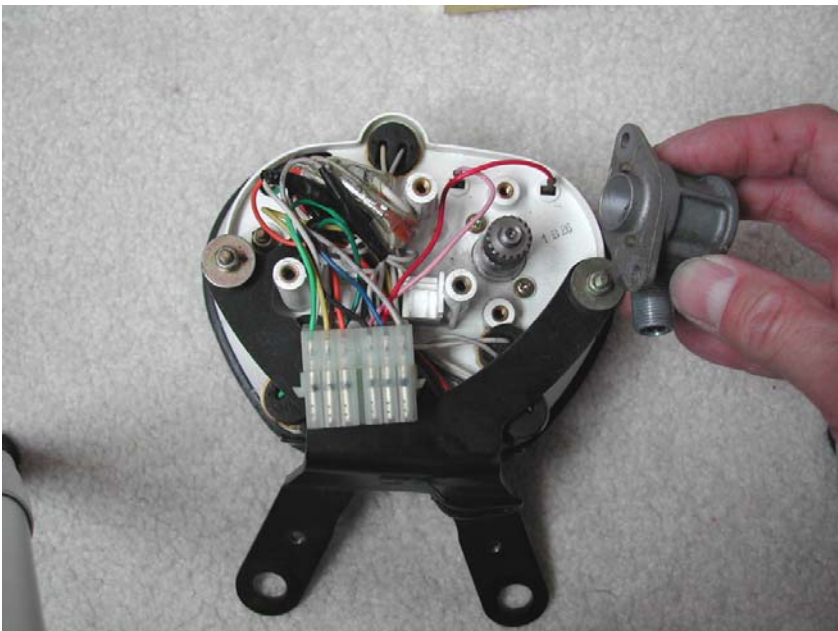
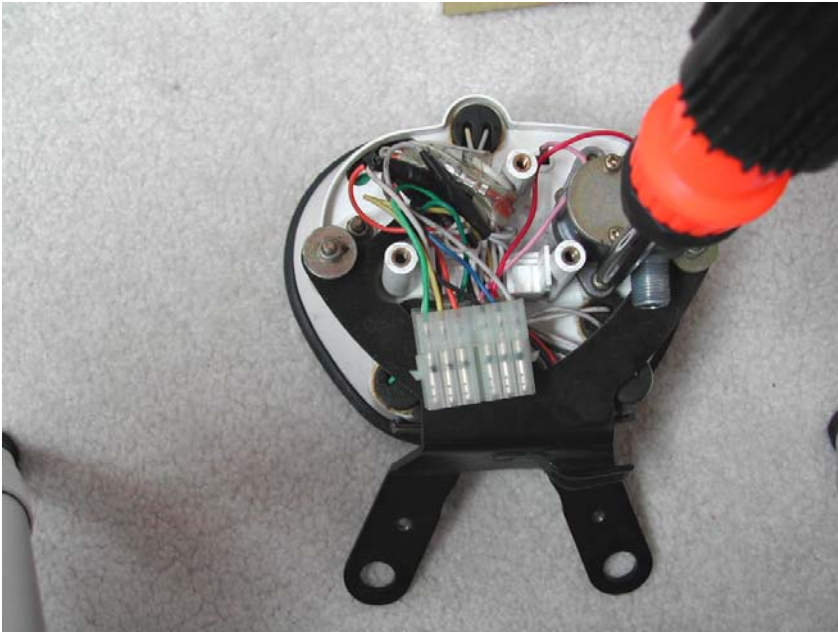
Step 4

Remove the back case to reveal the interior of the meter.



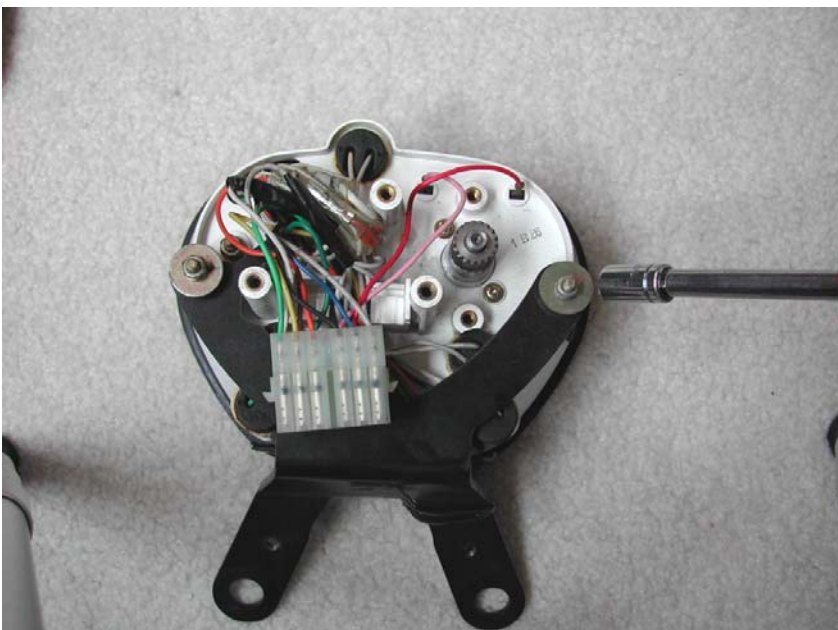
Step 5

Remove the top and bottom screws that secure the Speedo gear drive.



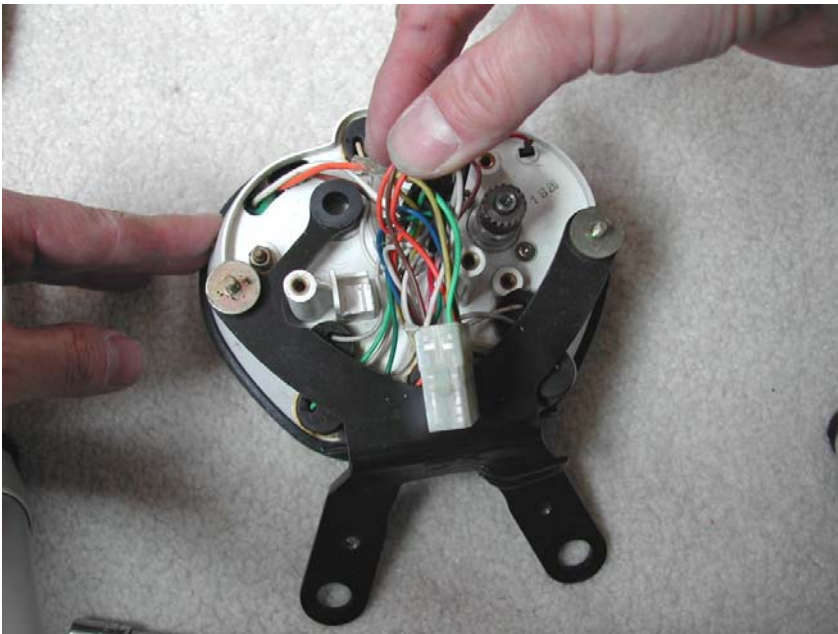
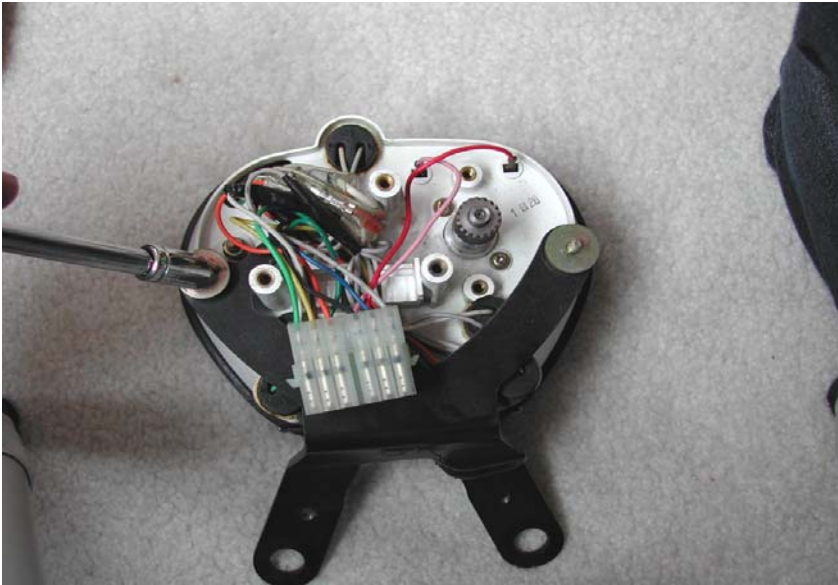
Step 6

Remove the Speedo gear drive.



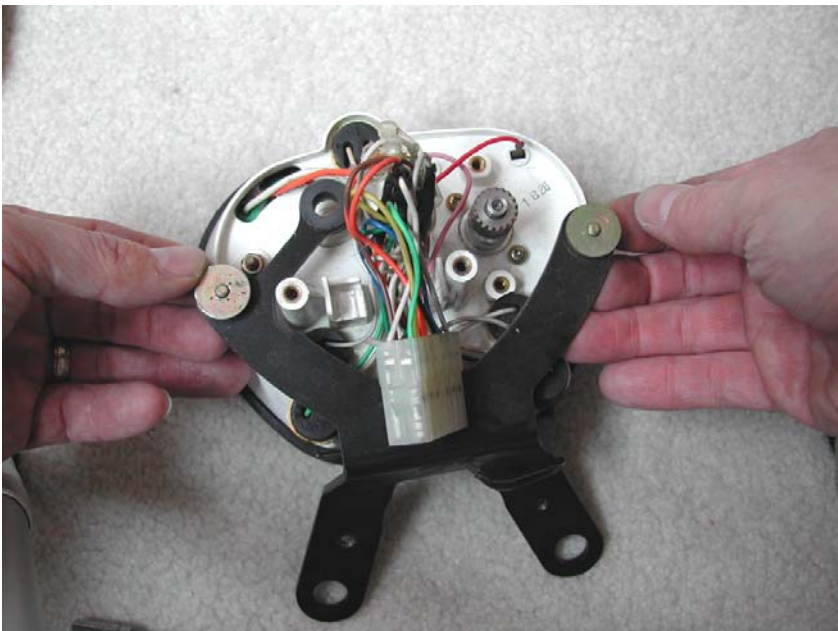
Step 7

Remove the two 7mm bolts.



Step 8

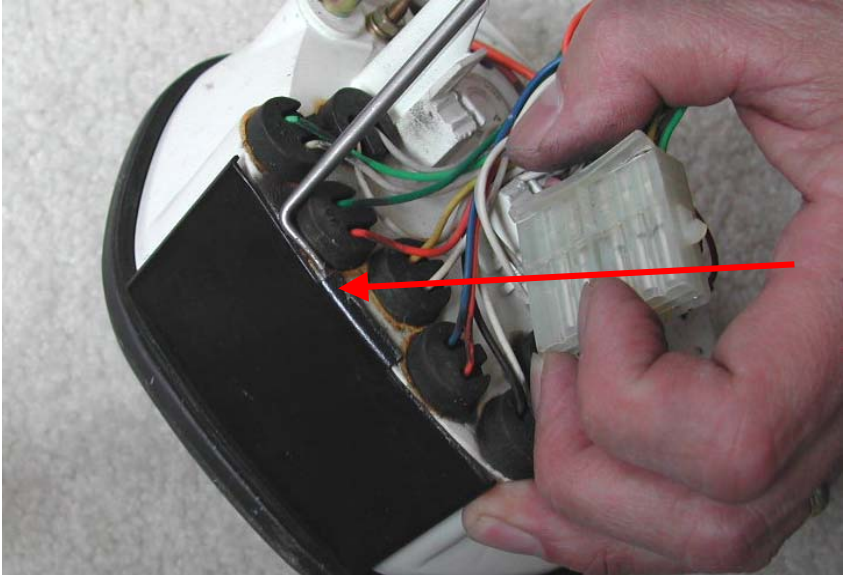
Move the wiring to the side, so you can remove the bracket.





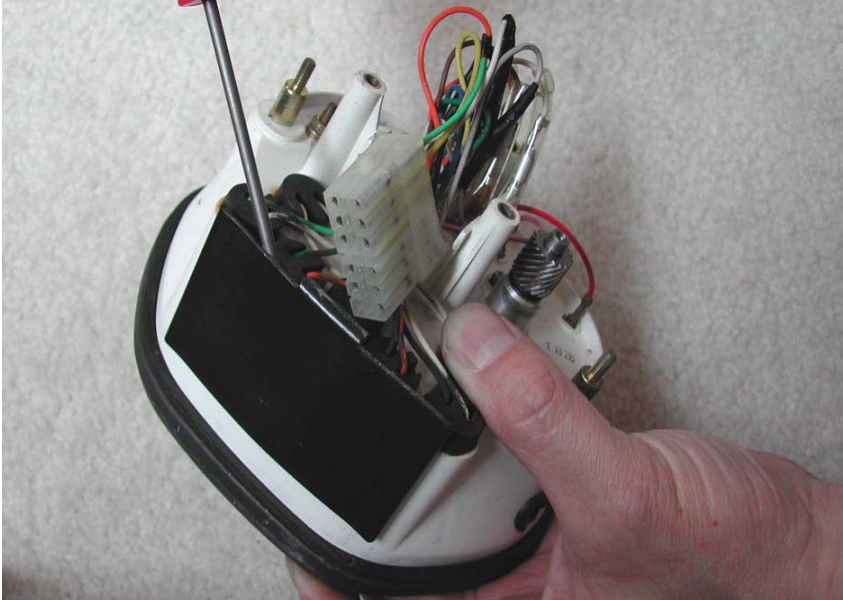
Step 9

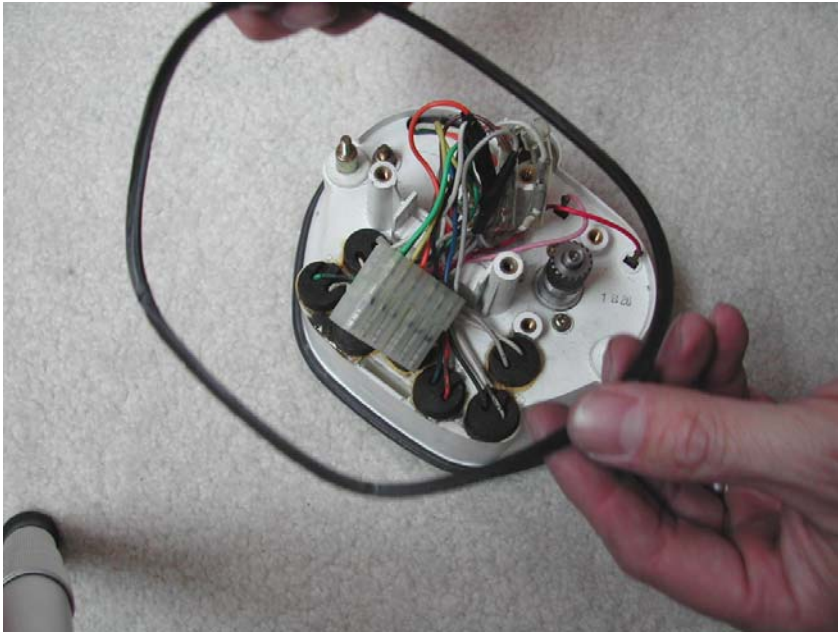
Do not remove the seal yet



Step 10

Use a sharp-tipped tool to lever out the backing case.
(the clip is here)





Step 11

Remove the seal.



Step 12

Lever out the metal ring gradually. A screw driver could be used.

(Do not use brute force; just carefully lever edges out a bit at a time)



Step 13

Take the metal ring off.



Fixing a Broken Needle

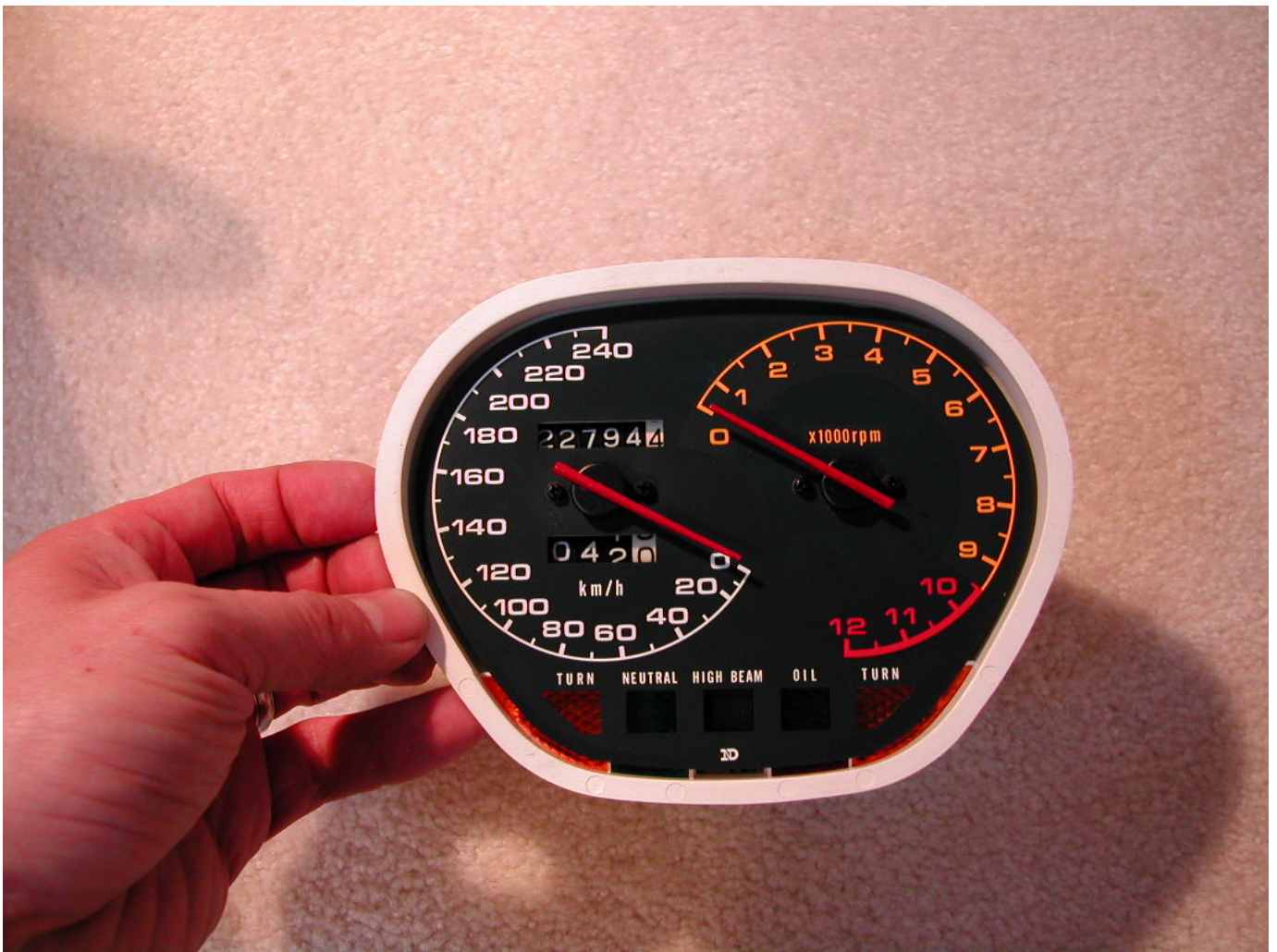


If you are fixing a needle, I suggest that you use a Medium CA glue, that you can buy at a local hobby store.



After the glue settles, paint the needle to your desired colour.

Finished!!



How to put the Meter back Together

Before putting it back

Make sure that the inner meter frame and lens are clean.



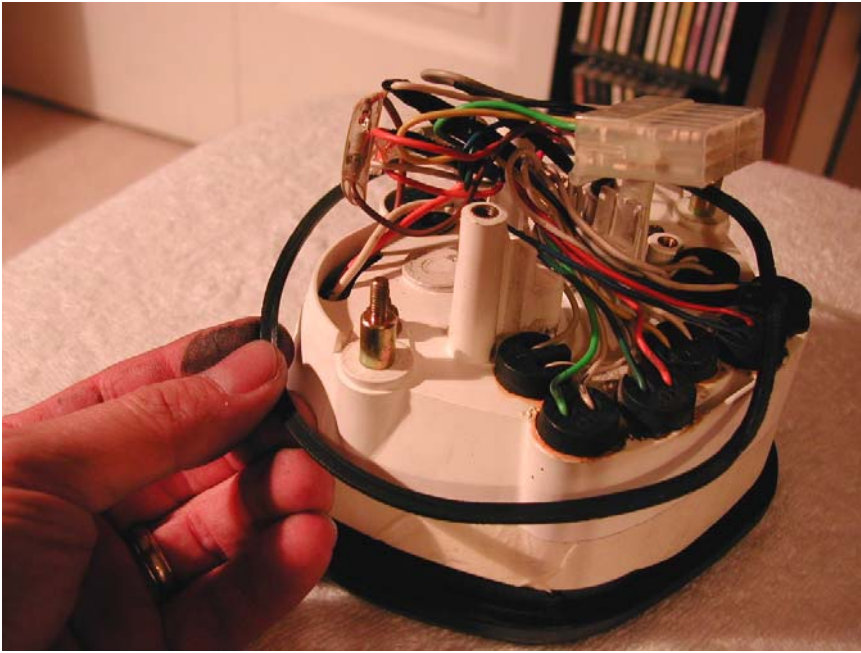
Step 1

Press the meter down on a flat surface, and bend the edges (that you levered out) in with a flat tipped screwdriver.



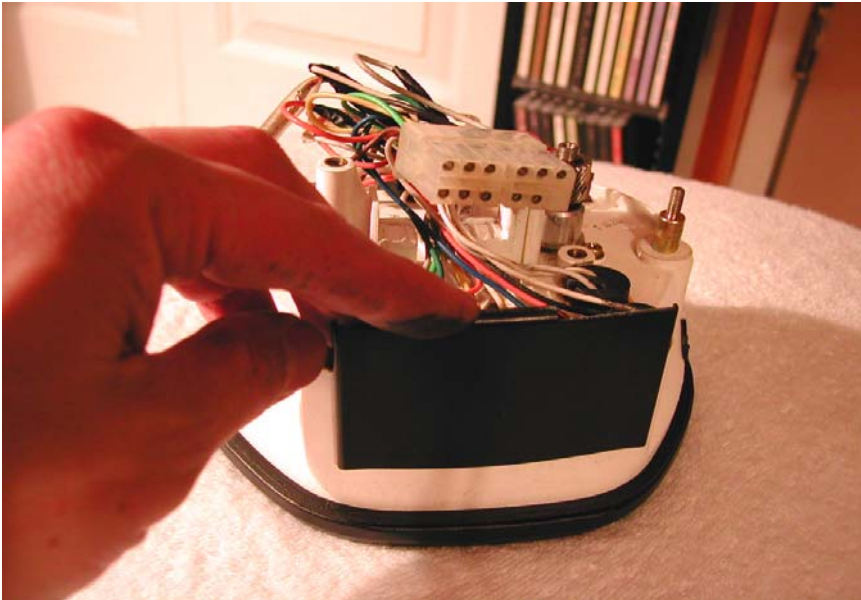
Step 2

Because of the bending, the paint will chip off, so I suggest you to repaint the edges.



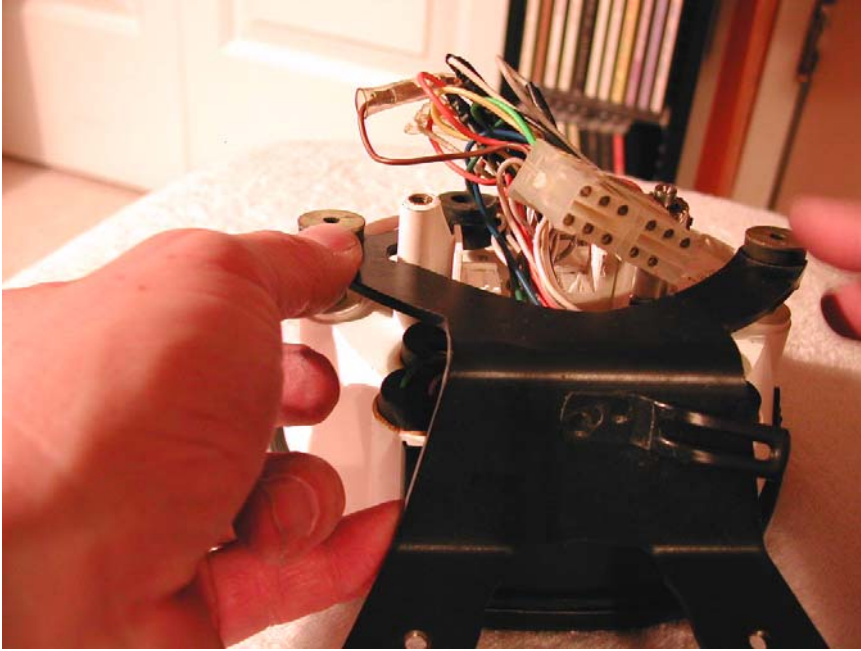
Step 3

Insert the seal back into place.



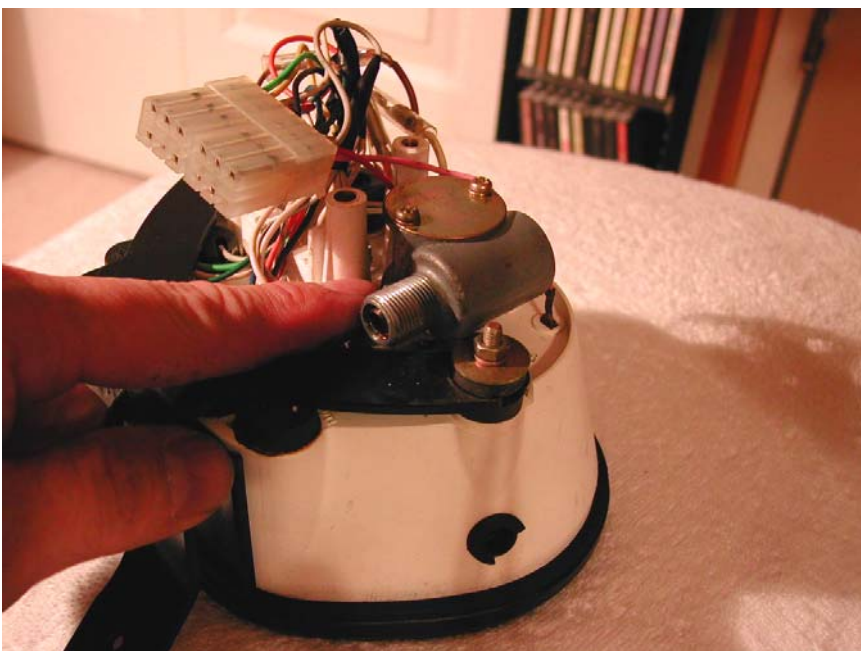
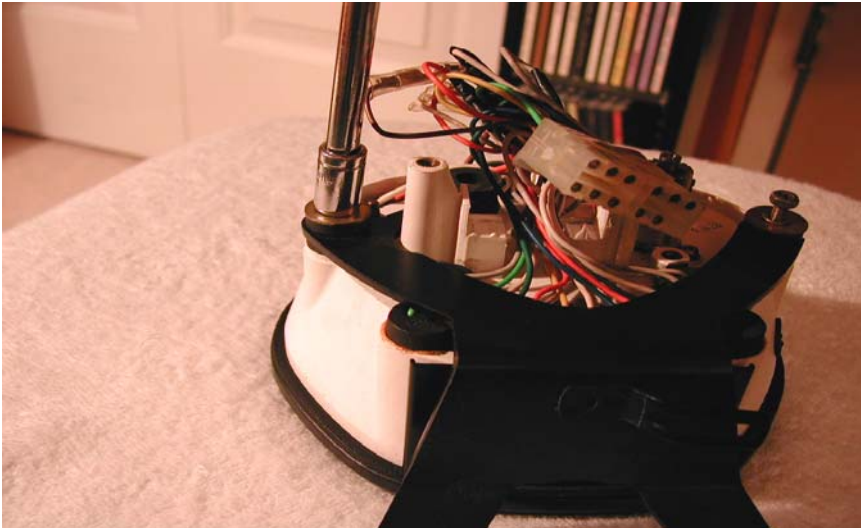
Step 4

Put the backing plate on



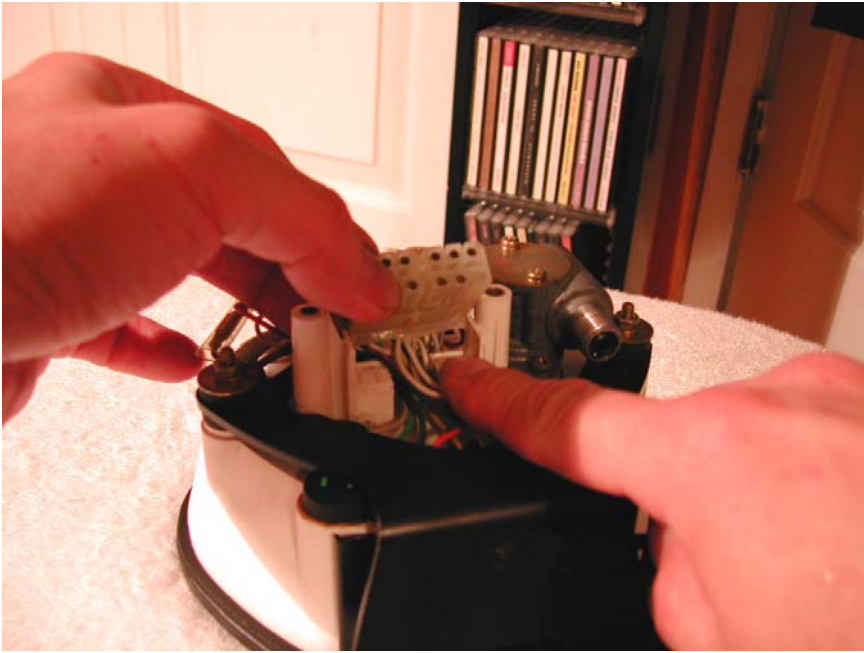
Step 5

Put the bracket back into place.



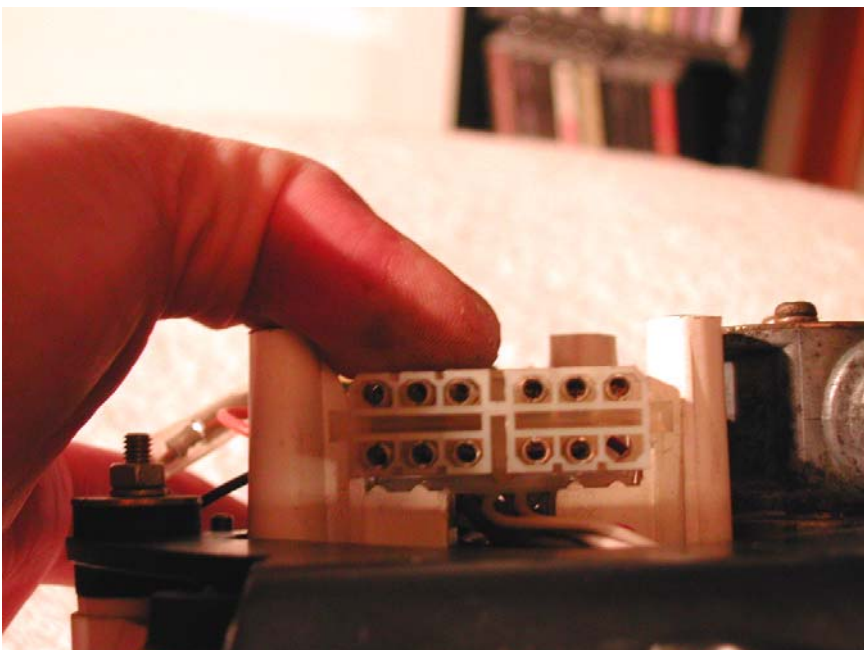
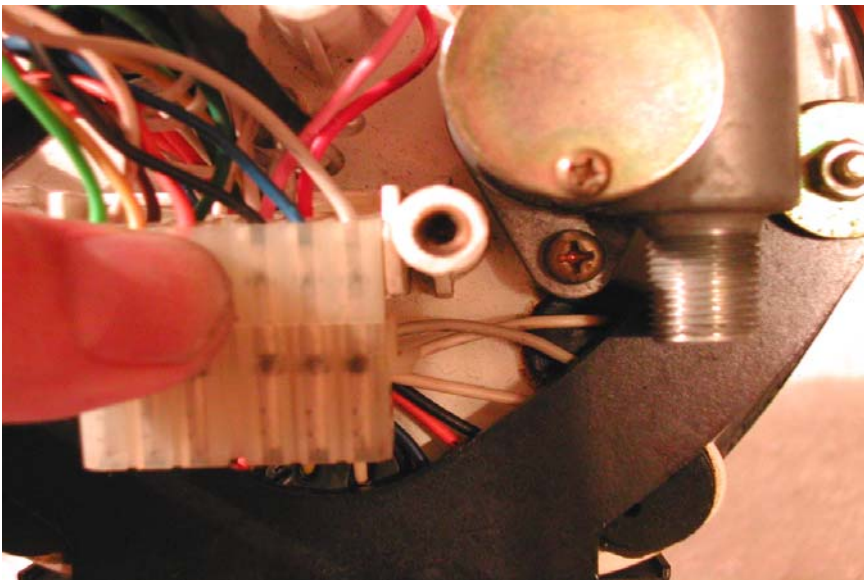
Step 6

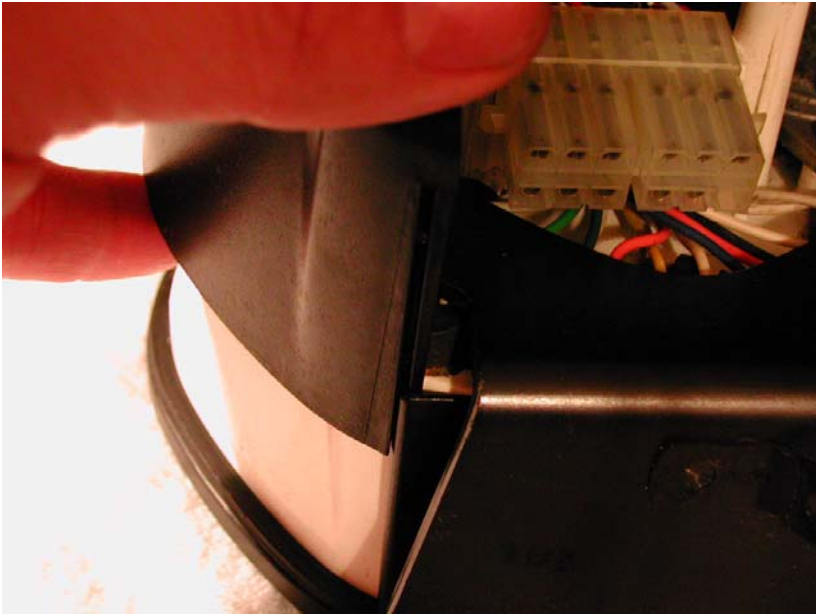
Put the Speedo gear drive back on.



Step 7

Align the socket to the socket base





Step 8

Align the casing groove to the backing plate. Then, put the screws back on.



Also, push in the trip meter reset knob back in place. (it is a bit tight, so vertically push it in.) Make sure that it is secure in place.

Now you are done!! Your meter will be ready to work again!



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Vancouver