

Pentax MX Disassembly:

Friends with PTT board before closing with a somewhat flawed PentaxMX, originally installed in the above target just sinking 50 / 1.4 (version Friends: buy lenses send fuselage friends ~)

so the body no how to control him, but then I the failure of the body so that when the decorative throw in a little pity, but it seems they are not very cost-effective repair the Internet looking for a bit, really gave me find repair manual pages with the dismantling process, and thus be pick a relatively free day to demolition, demolition on the demolition did not expect this several times

This sets MX has two problems:

1. Tv indicator inside the viewfinder will not move.
2. When using a slow shutter speed will get down mirror (mirror stuck up), the network point of view for a moment like this question often appears, and not only PentaxMX have this problem. (Later, the case has not been turned into films by pressing the shutter mirror will rise up themselves)
One reason may be the mirror chamber piece sponge deterioration becomes sticky (sticky foam)
Another reason is mechanical on problem, I encountered the situation that mechanical problems.

Watch out! The following procedure is not recommended to not try (I have not practiced XD), **demolition bad if I did not have any relationship with yo ~**

If that camera has a special meaning for you, then repair it, worth it!

Next is not repaired even hold the hands of the idea. Tools :(depending on the situation and see what needs to basically only the first three is enough) stuff screwdriver set, pointed pliers and the like, knife, soldering iron, solder, needle nose pliers, diagonal pliers, multimeter References:

1. MX Maintenance Manual (keyword Service Manual, Pentax on the Internet can find a set of manuals)
maintenance manual which made it very fine, some small details to look inside to know

2. Reference pages a <http://www.mypentax.com/PentaxMX.html> (pages hung up, unfortunately)
3. Reference page two http://www1.plala.or.jp/tsoma/repeia_mx.html there is a complete solution of step most
4. Reference page two <http://www.kyphoto.com/classics/sealreplacement.html> replace about shading sponge inside, interested, then you can replace yourself

Do pay attention to the construction:

1 removed parts careful not to get rid of, get rid of basically not buy (I get rid of a screw ...)

2 Do not touch do not need to touch something itchy, there may be very dire consequences (I pulled a bad spring ...)

to avoid missing screws, confused, the easiest way is removed after the lock back to the original hole, or fixed with tape.

* The following photos are mostly taken during assembly, dismantling when not to shoot a few, it may appear Photos discontinuities situation. * I do not know when the demolition had problems lie, so out of curiosity to dismantle a lot of hands-on, practical service, then it should be no need to dismantle the so thin. * Name the parts may not be quite right, wrong part grateful correction. **Cover** to note that this is a "left-handed screw (Left-handed screw)," I removed the photo that he is using sharp tools to turn the camera there are a lot of left-handed screw (especially those who would counter-clockwise rotation of the parts) The best look at the maintenance manual before demolition. Speed dial is using the same tools, but because he is relatively small, so I mix up a pen to turn without water, maintenance manual top is set at 1/1000 ISO100 recommending dismantling. Because there is no special tools, so this ring I met with a flat screwdriver to open, be careful not to hand slipped, or body so that he could scrape off paint, and it is generally screws, do not turn the wrong direction He locked like. Remove the four screws and remove the cover after note that the red box spring does not fall out, and it is quite easy to fall off, and very fine one, small enough to fall to the ground without sound, if the counter is off problems. It is a long way, received a good recommendation is to win, or is it fixed with a short tape somewhere. Shell is recommended to take a picture taken after the open, so you can also see what things should be installed which degrades the red box sponge, rub a rub there is debris, since demolished to clear it. Reference page one with the maintenance manual, which will advise you if you want to continue the demolition, we first welding wire solution, remember to record which of the wires connected to what point. Or is all fixed circuit parts removed, so do not de-soldering of just have to be very careful, I did not de-soldering, the results are not careful to pull off a few contacts, but finally had obediently took out the gun. This is a total of five screws (see red box) that is the leftmost LED fixed light meter closer to the lens of the two is used in a fixed five-prism viewfinder close to two fixed viewing window with the blue frame of No place open when the screw is then locked to the side of the circuit in order to unload, the first piece of a variable resistor removed, this is used to set the ISO value. Those screws then demolished previously mentioned, you can make the next step! **Front cover** front cover is removed to note that the circuit has two yellow wires are connected to the front cover (to

communicate with the lens aperture size used) figure is the countdown timer link red box, installed when the attention what direction again put a few screws removed the (fixed as well as the right of a few wires, circuit board screws) can be separated from the circuit with the camera (only wire attached so) **upper** first circuit aside and continue to the top The part of the circuit board away with after viewing window you can see the five prism (you can take advantage of the now clean up the viewing window) red box of screws five prism, blue frame fixed viewing window can be removed after five prismatic win sometimes not viewing window dirty, but five prism dirty, it can also take advantage of a clear now clear that the five-hole green box seat with LED lights that display removed after five prism has a metal plate, and there is no fixed above you can directly get removed after focusing screen (be careful scratches or removed from the front can, MX original design is that you can change the focusing screen) remember to find a safe place to put away after the focusing screen It can easily be blown. Then put the two screws removed **at the bottom of** the camera after removing the bottom ... the photo of the two screws are removed so that you can remove the entire room to mirror the **bottom of the mirror chamber** this circuit with four screws, To study the mirror room, then suggested that it be removed out of the way relatively little explain the operating mechanism when you toggle through the piece rod, there will be two parts to push A, when A follow the direction of the arrow of time, part B is also will follow the direction of the arrow, and then the blue side of the gap will be stuck in the box of parts A (At this point you can shoot) look at the side is a long way, and those parts will move in the direction of the arrow, the latter will have photo You can control a look at the bottom of the slide piece rod over time, there will be root pole push Parts A, but because that above a sheet metal gears will rotate with the lever away and therefore there will be parts B Let's look at the shutter Mechanical construction outgoing state when you press the shutter, the previous gear will be transferred back to a toggle lever part B, so that the blue card box tenon tripped let Parts A return to the previous state, this action will mirror down gear action as shown when you press the shutter, the shutter rod (the first part of the front cover, there is a T-shaped spring underneath that) will move down, struck in the upper left corner of the photo almost L-shaped parts, it moves toward the red direction arrow in the other parts that make the picture move in the direction of the arrow, the mirror rises worth noting is accompanied by yellow arrows that parts: rising success mirrors, it will toggle the Another camera upper part, so that the shutter can be inexpensive action in other words, it is to ensure that after the mirror shutter completely honest action starts to rise only after it will be like this (the mirror in the up state, this time to dial if the aforementioned parts B, you can let the mirror homing) screen in the middle of the foot stretched out against even the lever springs that support the control is dropped mirrors so that the bottom part of the action with the shutter will be executed correctly completed or reflective Mirror -> drop actions mirror the situation I encountered was when the shutter is released, the part B can not be correct lever push, so the mirror does not drop down to how do you know that not so? When your camera when this situation occurs, tear down the floor, the metal piece that the above gear clockwise to turn a little bit (that is, when the shutter is released it will be the direction of rotation) look will push rod, Toggle part B, so that the mirror down toggle or direct link, as

shown above situation I encountered was above this workaround is to adjust the gear seat, first shutter speed to 1/125 This unit can "float" so that you can adjust the angle of his gear toggle link, underneath there is a protruding metal, dark figure that is seen to uphold the spirit of the study, to see it torn down, the shutter speed should be adjusted I forgot how much, perhaps 1/125 if the red box screws removed, you can control the shutter speed of the components removed careful not to disassemble those parts, this may cause it is not smooth actuation and this is controlling the shutter speed of parts, which is detachably screw is transferred from the side, and it is fixed to the top ring has been provided which is just that the gear, on top of the projections will push rod projecting up photos The majority of the films, gears, connecting rods would not be continuing to push forward, you can let the part B normal stuck parts A and putting it back in time to note the relative position, after determining position and then locked up if you get wrong relative position, it may occur to B is a quarter second shutter situation when the gear back together, but also pay attention to the relative position as shown in the maintenance manual appropriated when slow shutter speed dial, above that there is a hole in the metal sheet will gear down against the sinking of the metal sheet to make it delayed rotation (the mirror being put down to the time delay) until they are no longer in contact with if not adjusted to the correct relative position, it may be above the metal plate arrived less than the following conditions occur piece of that is, slow shutter will fail **Conclusion: mirror up to get down to this part of the service, that is, as described above test methods measure test to see whether there is no proper gear protruding push rod, if yes, first adjust the shutter speed to 1/125, to manually dial the bird link, it is in a state struck parts of B, then the gear raised, Go to the right seat (protruding just against the rod) and put back, if necessary, re-adjust the gears on the sheet metal screws, metal pieces to make adjustments angles.** Just after the end of this part of the repair because of their bad itchy pull a spring ... is the graph of this ... causing it to stretch a little weakened somewhat mirrors the rise of high-speed shutter altogether ... seems also a little block to exposure ... go buy a branch line of electronic parts springs, tension is quite strong, mirrors loud crackling sound makes me a little scared when you put something did not expect, did not spring the ends with pliers and let it be fixed to the seat so he happened all back together, the results of the spring loose tragedy ... I have therefore removed several times and finally put the store to buy another branch in spring, elastic weaker spring, and two end to get it fixed this problem **solved Tv indicator does not move the problem** to be honest this problem is too much trouble, but indicator does not move so what in fact does not affect just no way to see that the shutter speed from just inside the viewfinder but also on the part were doing maintenance, the need to dismantle even the mirror room are removed, the individual is not recommended to try next to the speed dial has a screw, loosen even have a card slot can use the line of his principle is that when the shutter speed from 1 / 1000 down, that slot will begin to turn, turn one speed to turn a little bit so they closed the line, let the other side of the discharge line, led Tv indicator actually like the original steel wire, one end of the ring and then the card can be locked slot, one end of a piece of metal can be fixed on the other side I started sewing with the general use of the line ... the results of which will be out in addition to cotton, easily broken, there is a good

elasticity ... it means that the After the turn of the shutter dial will happen four or five grid turn, indicator of the situation began to move the line to go the path is so I do not know where the steel wire of Health (Later, split screen wire to use, but to repair the good is not easy ...) finally picked up a fishing line, tough enough, it will not deform too much, but not out batting left side of the screen there is still relatively well fixed, to the right a lot of trouble (red box), no screws You can lock, only one groove and finally I was using a lighter to melt the tail end of it (when the melt becomes a small ball) and then fixed at that instant glue the partshave a purpose is not to make it against the projections come to that Tv indicator **Conclusion: difficult to engage ==** put back the time, pay attention to the resistance of the normal setting will allow metering, ISO like this is to adjust the variable resistor from 0 to about 15K ohm resistor it, forgot to adjust the ISO with variable resistance when in fact it has been done above token (the photo part of the red line) is the point on that hole in the gray metal sheet to have a mark on it there, do not worry if you can get the meter Cece I remember like high resistivity high ISO Also, if metering is not allowed, you can adjust the green box (coarse) with the blue box (fine-tuning) of resistance testing when the recall should cover to cover, to go above the light will also affect results of my test method is to find another camera, bright surface aligned with the dark side of the measuring light source evenly distributed (ex white walls, floor) and then apply the values in this table, adjusted to the light meter light green reason to pick faces because this would not control him metering screen proportion much completed! You can see the wire for a few ... light meter will light, Tv indicator will move (although a little behind the speed dial ...) very good! Which lasted several days, and finally get very interesting, but very time (do not mess demolition basically can quickly get) but Metering whether the Right, will not have to actually shoot out these leaked know there after discovery problem is that when using the high-speed shutter mirror will not rise up, the cover, the front cover removed hair problem now seems to have nothing, and finally found the problem is that the cover a little deformed, will encounter a second curtain of the start switch , resulting in a second curtain will not normal firing, a little bit to get the housing correction.The actual adjustment after this film so many times brought satisfactory results wholly unknown. <-Memo



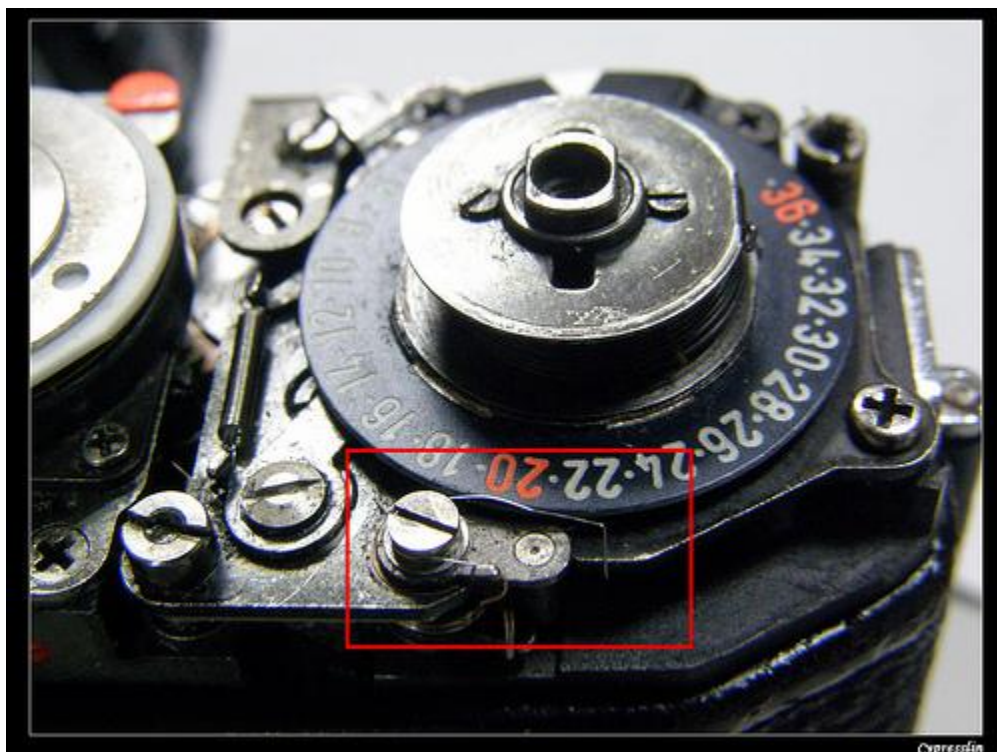
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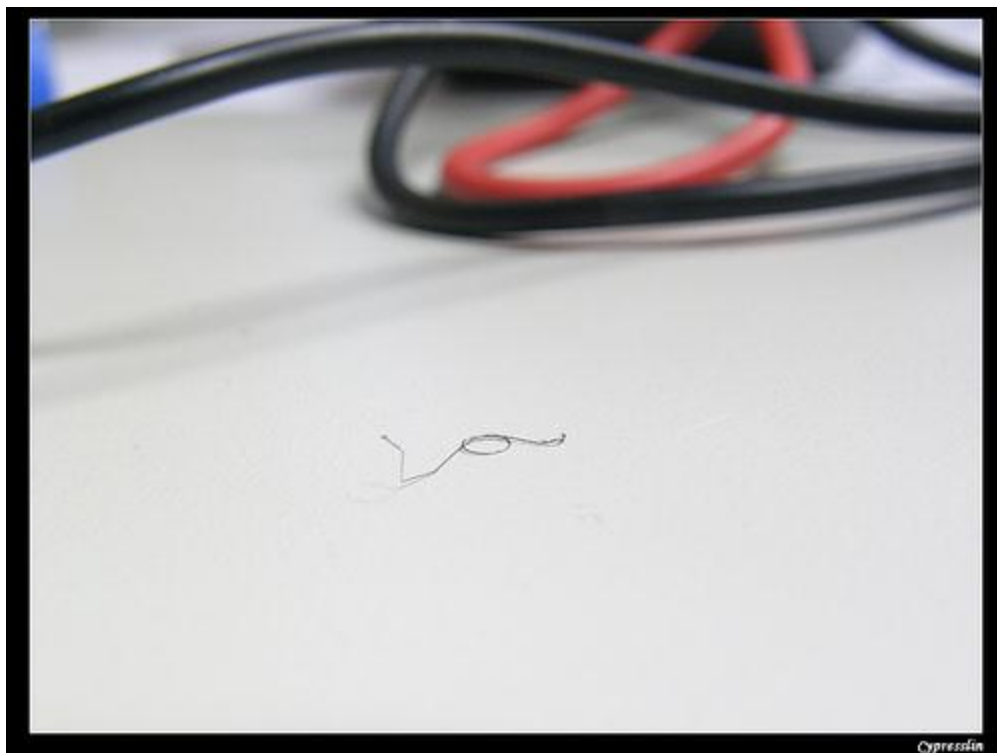
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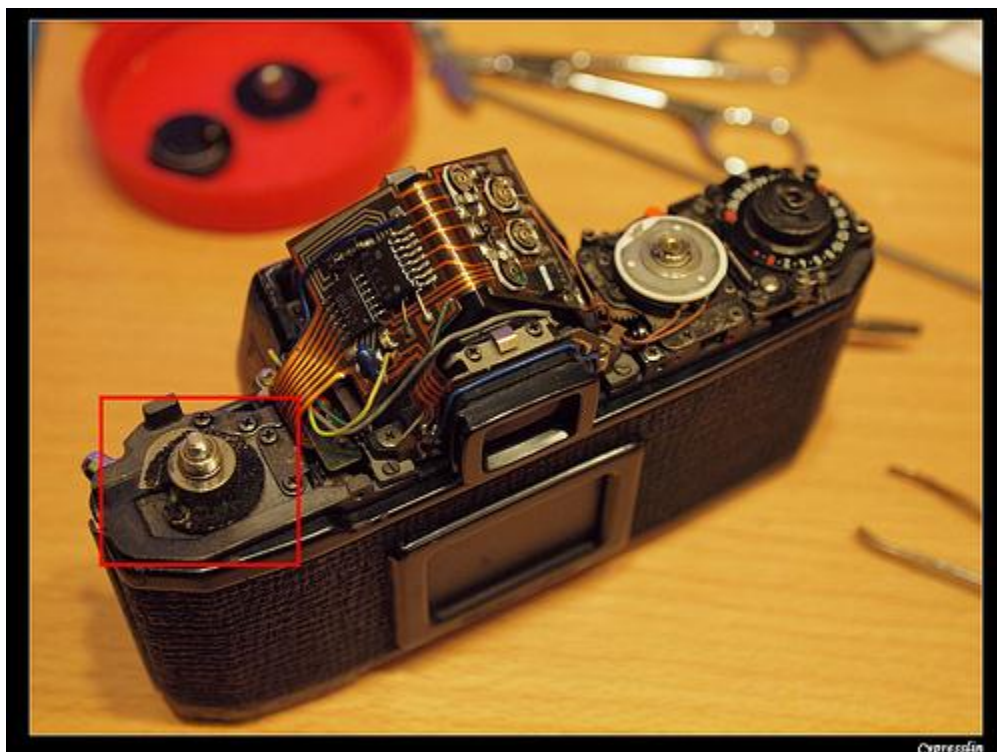
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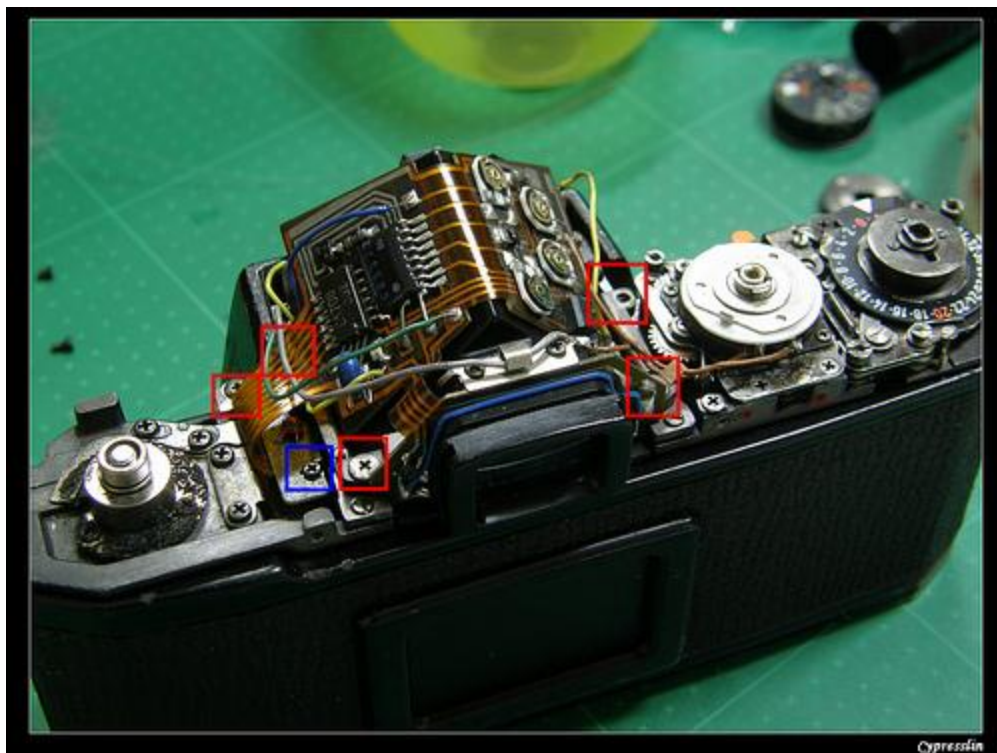
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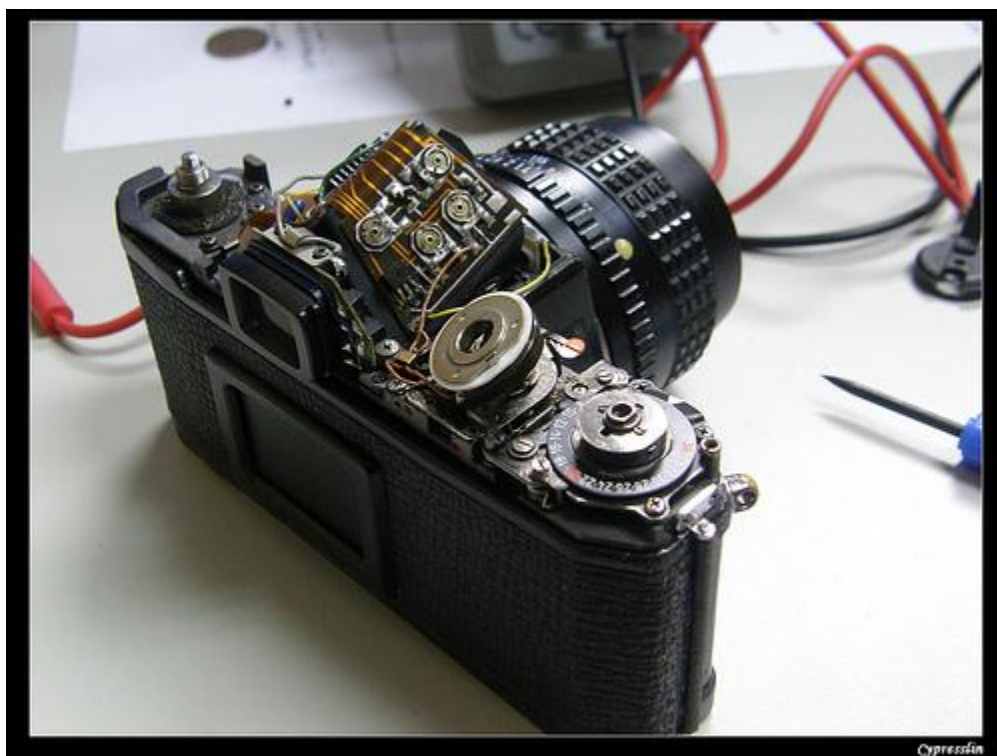
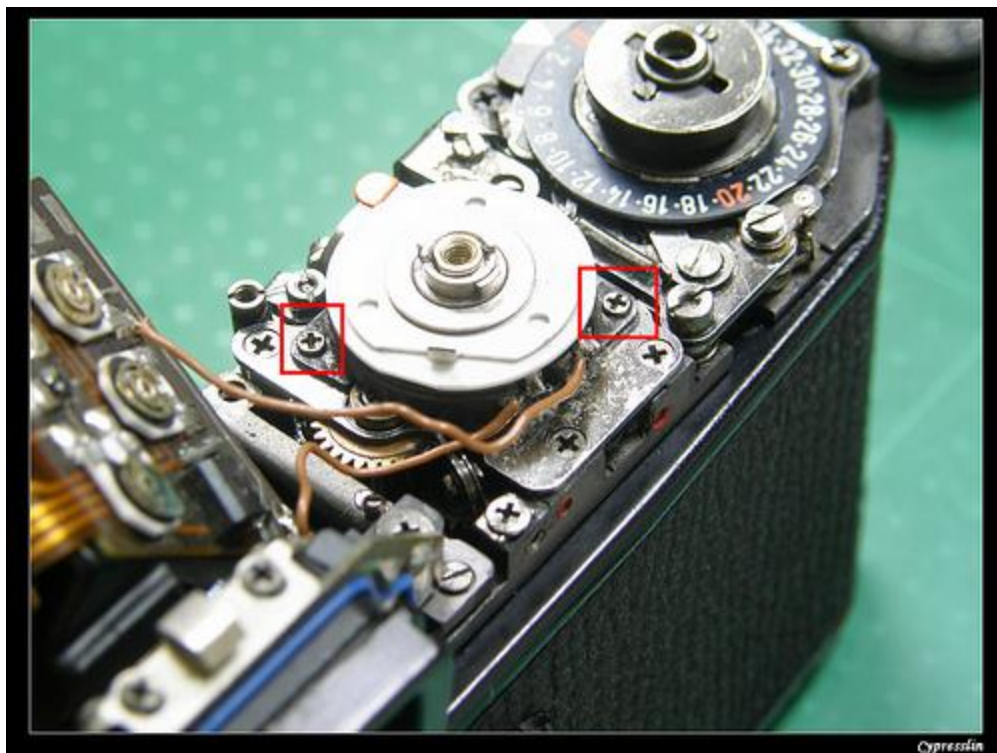
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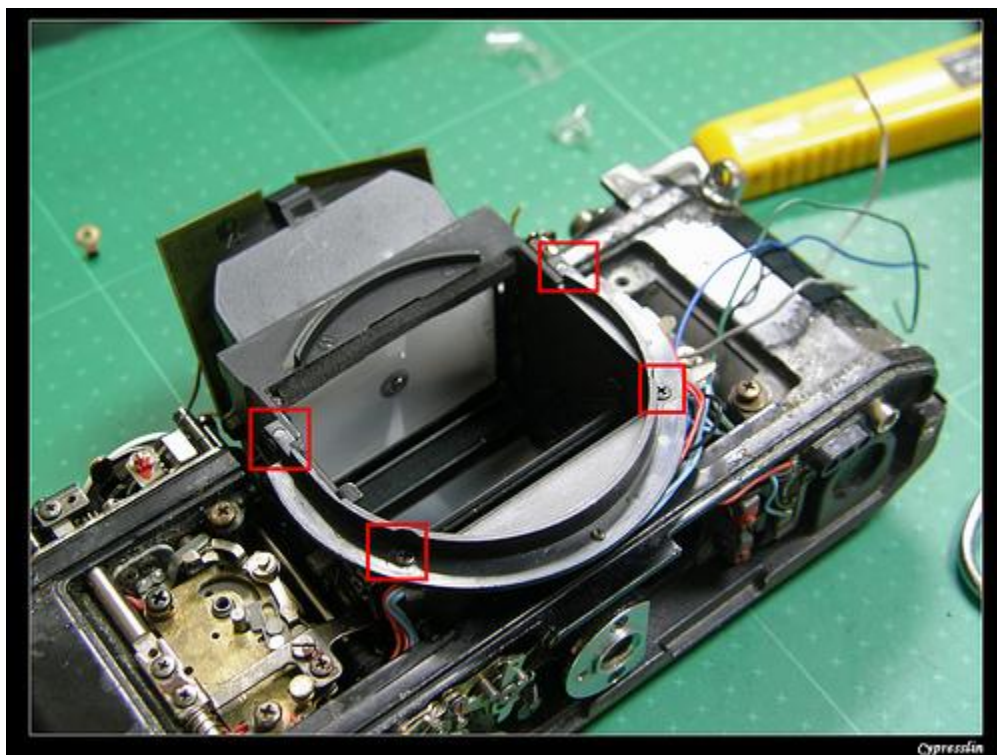
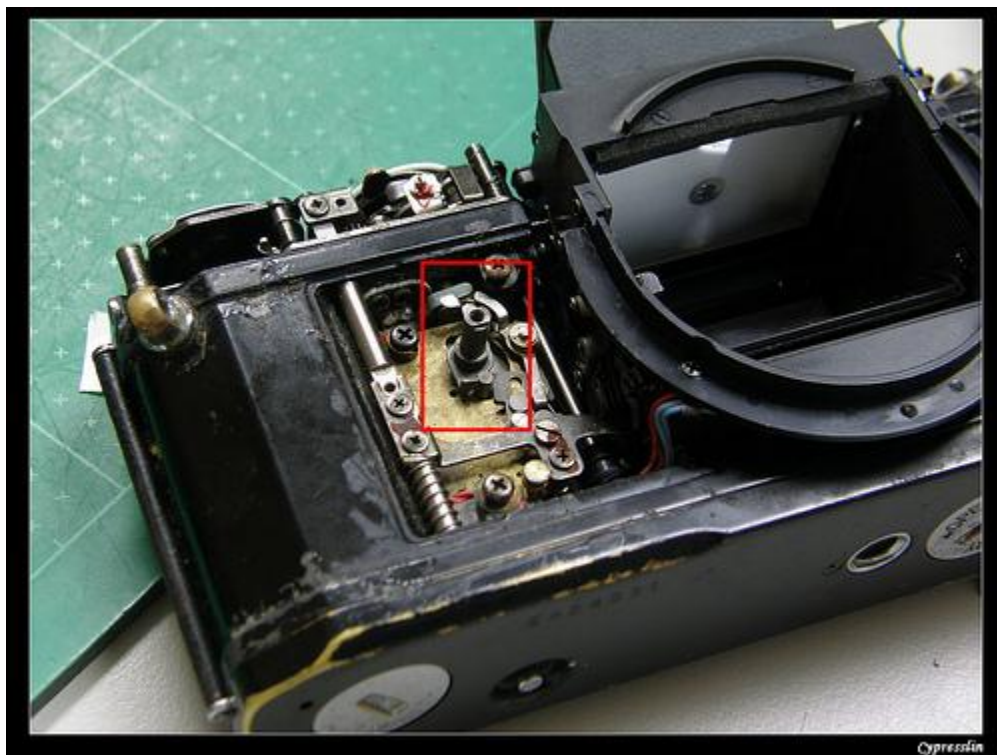


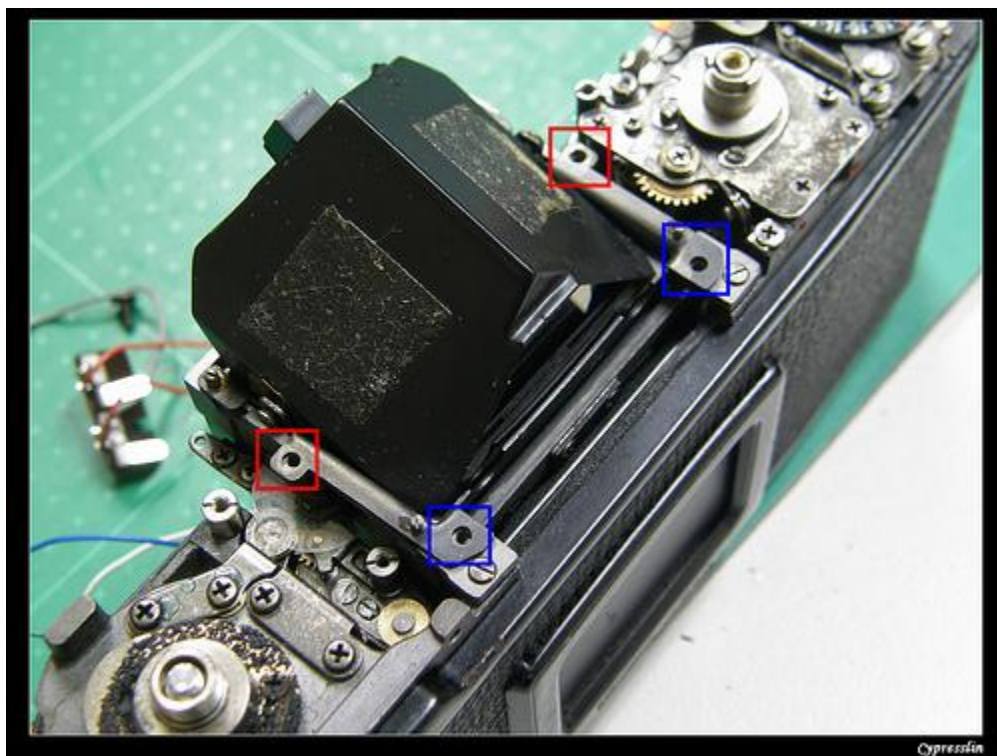
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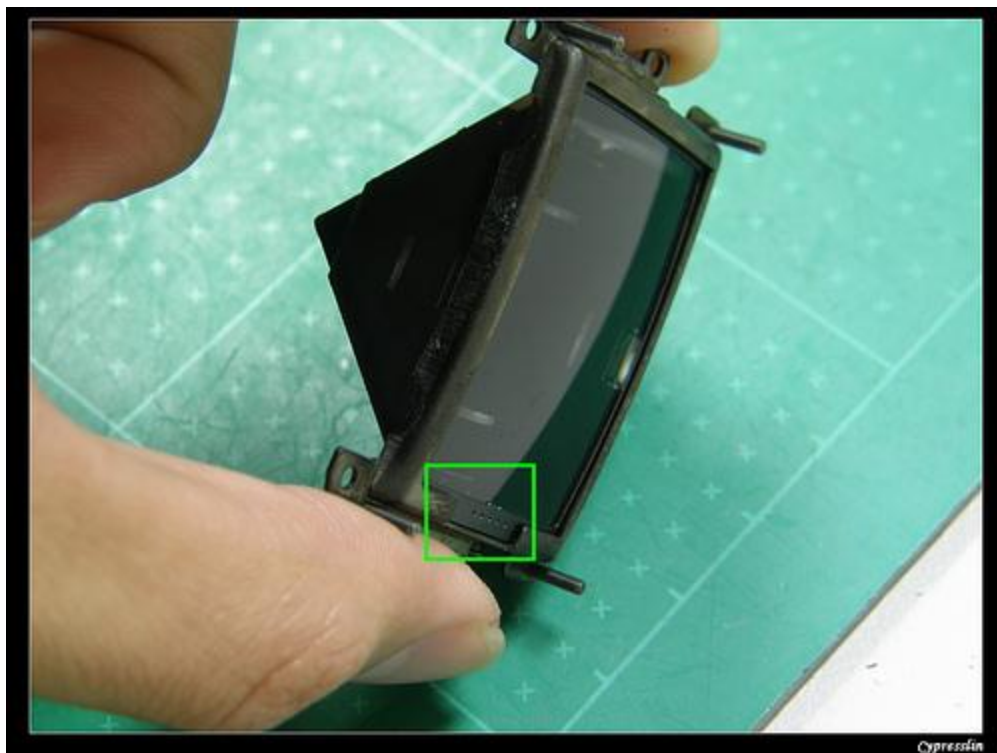




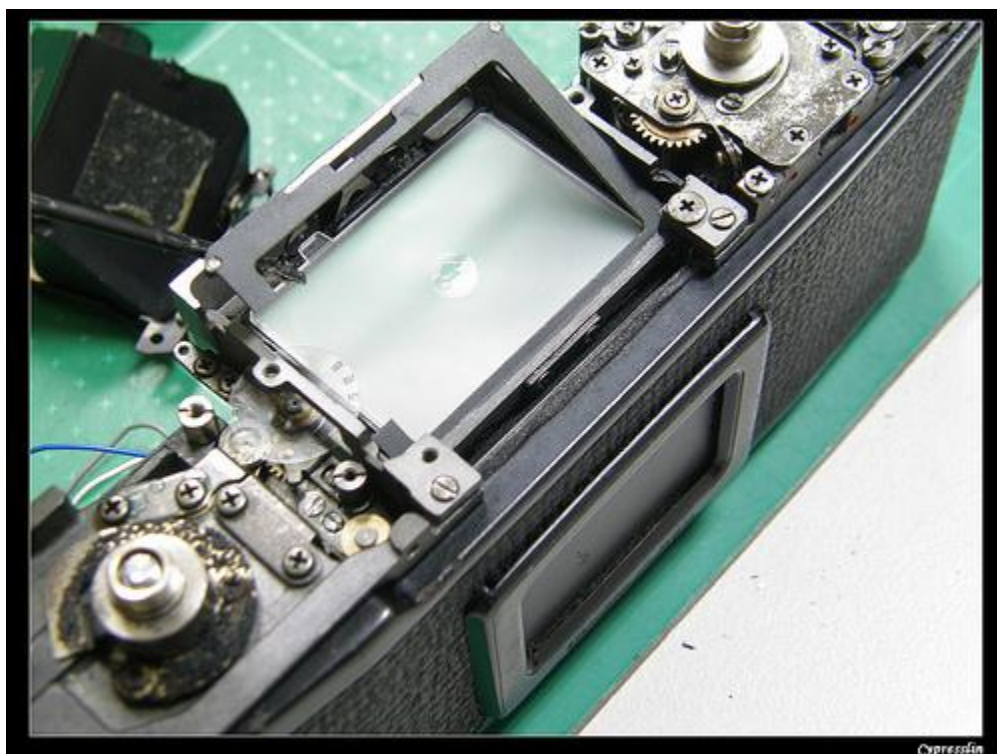
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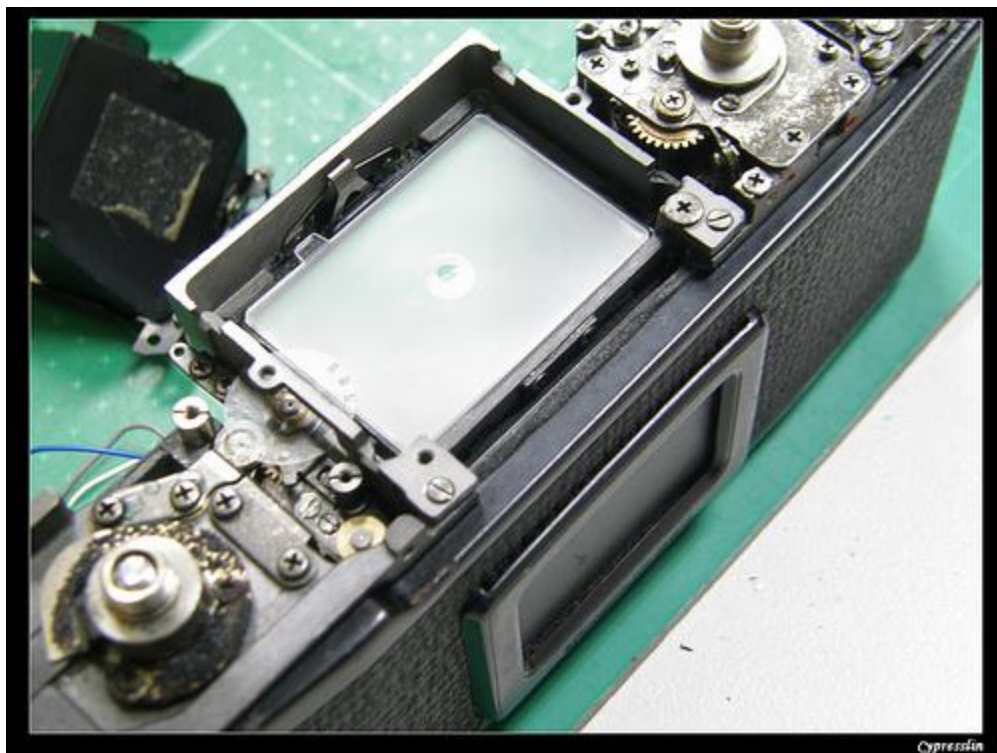
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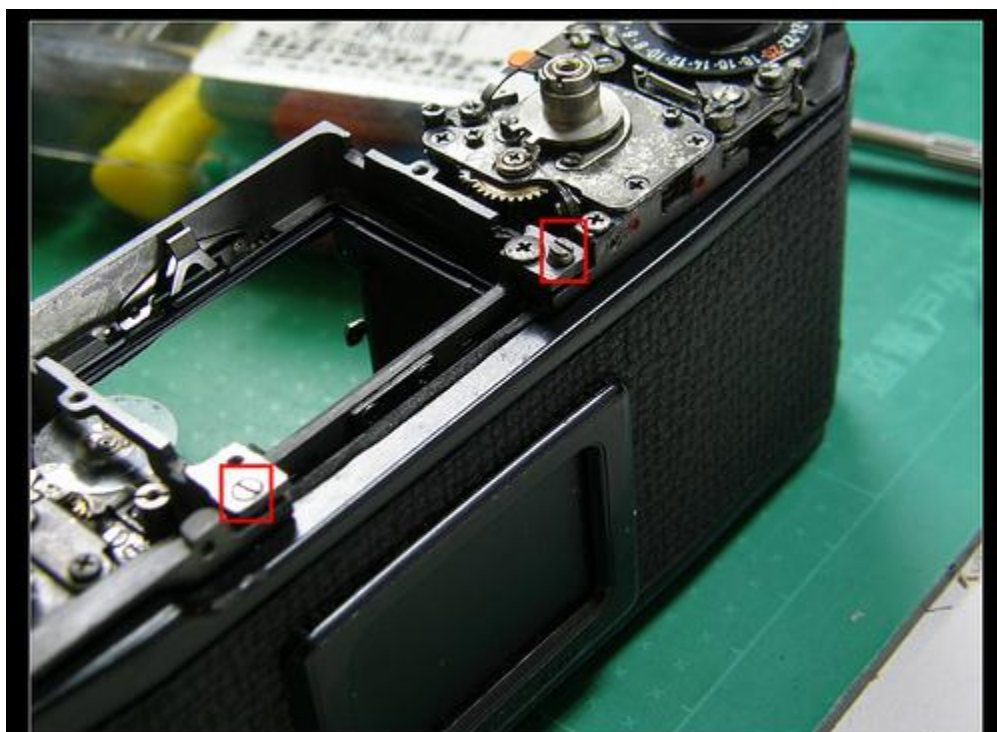
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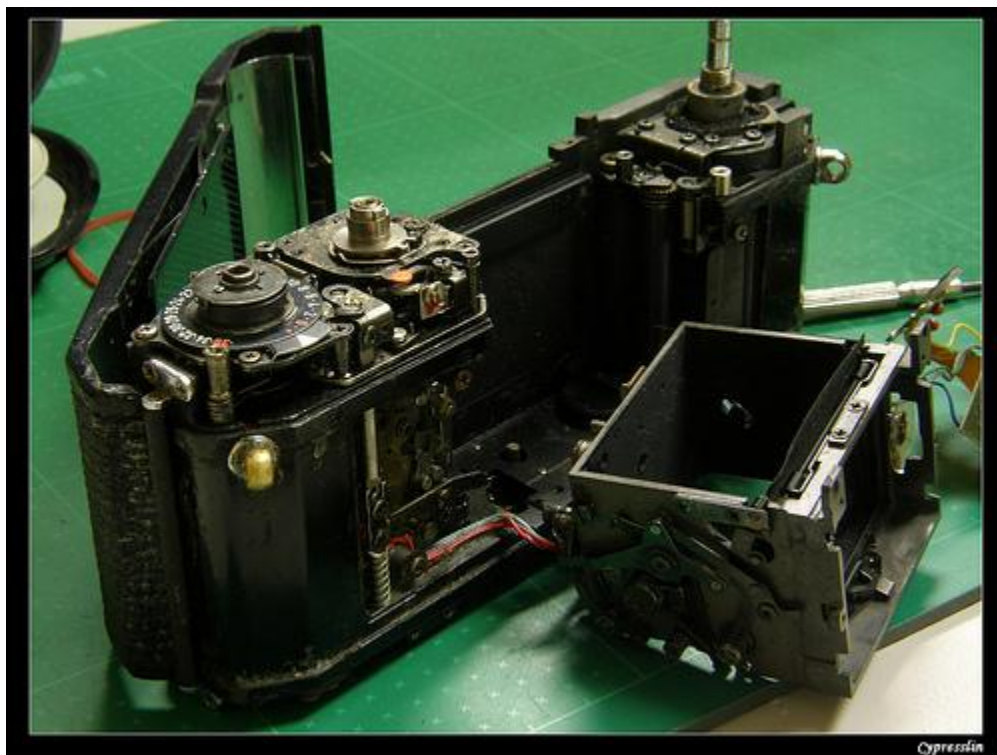
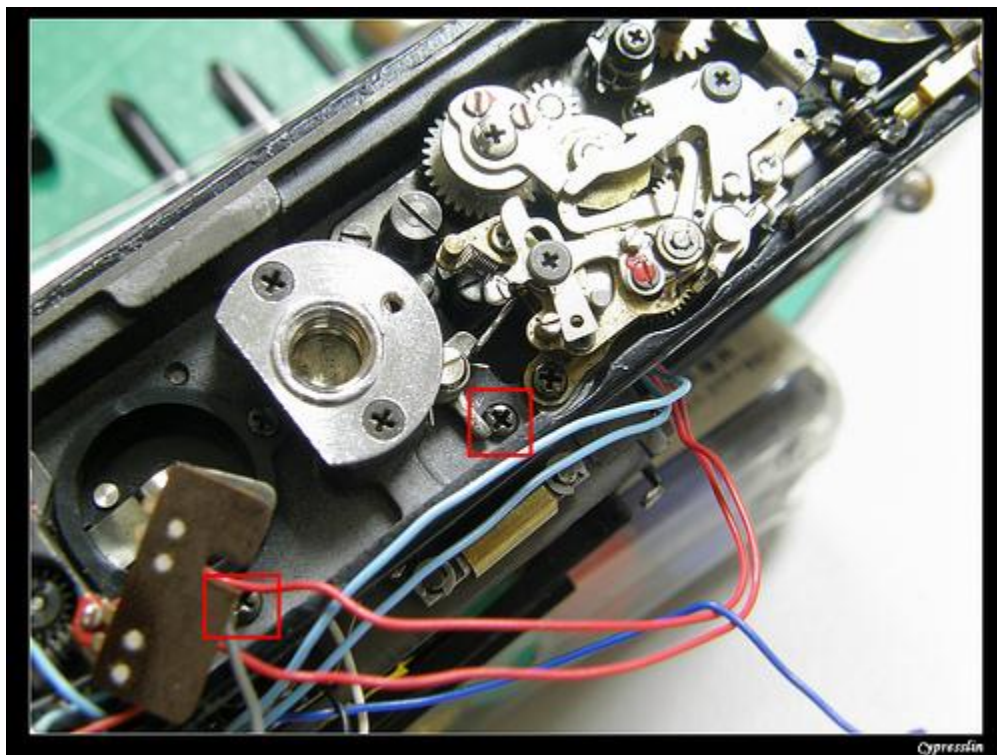
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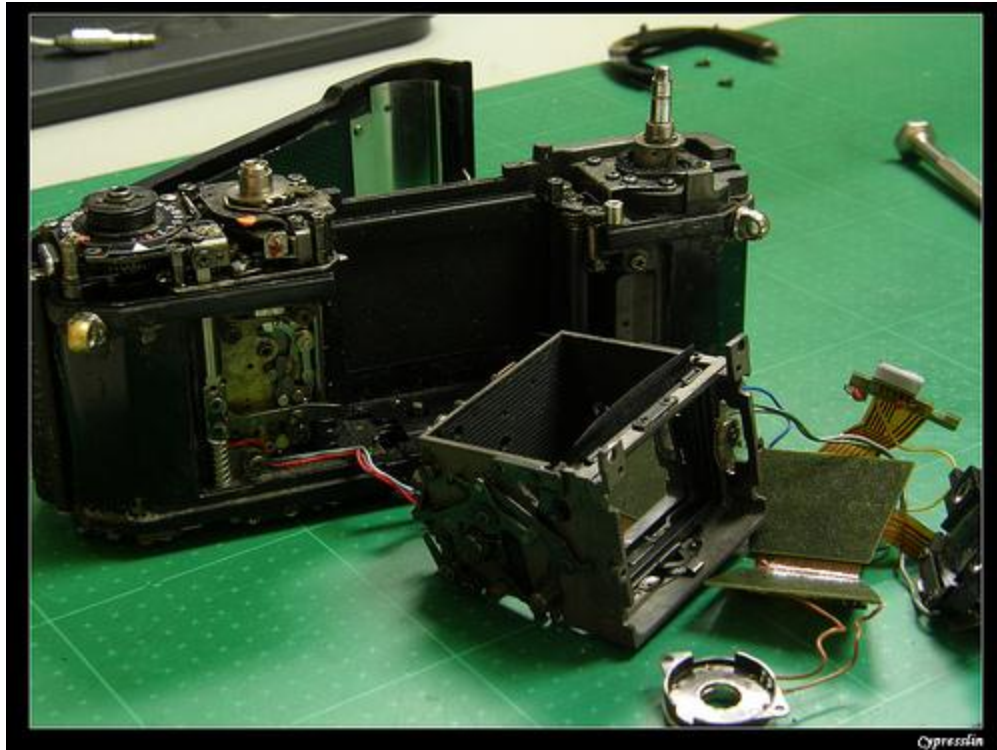


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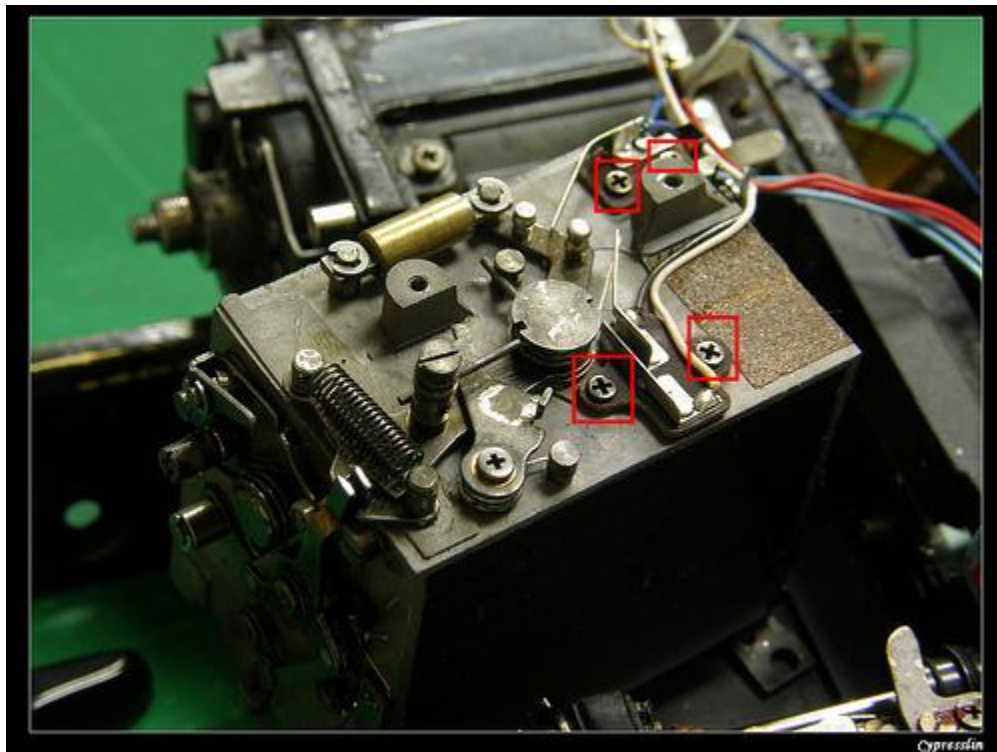


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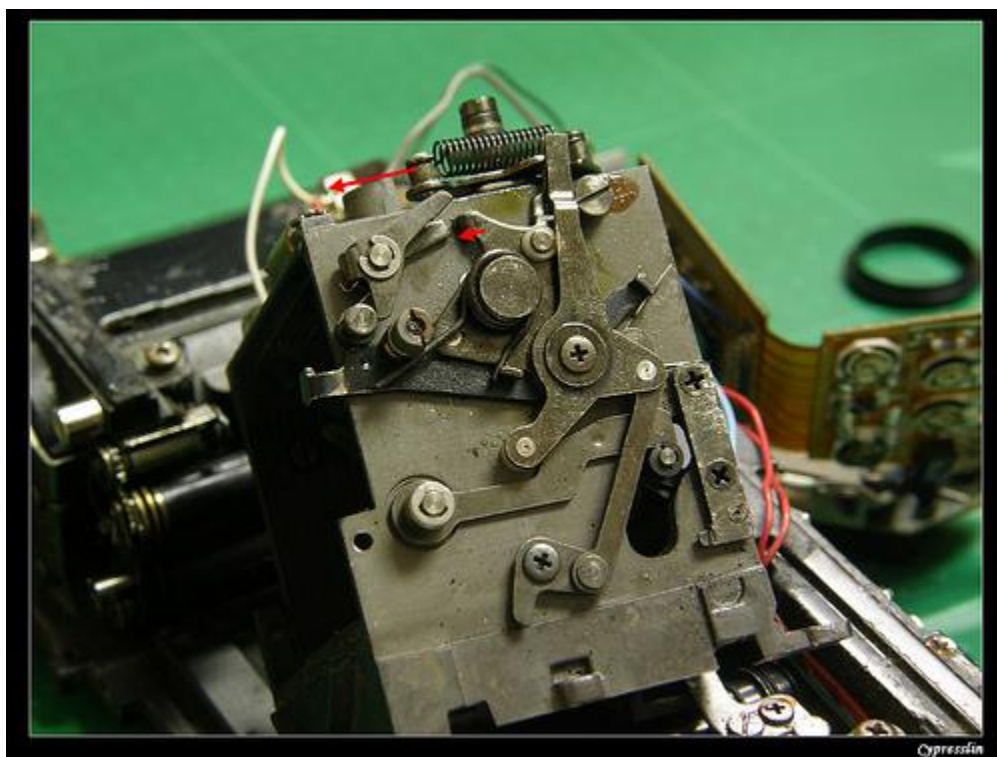
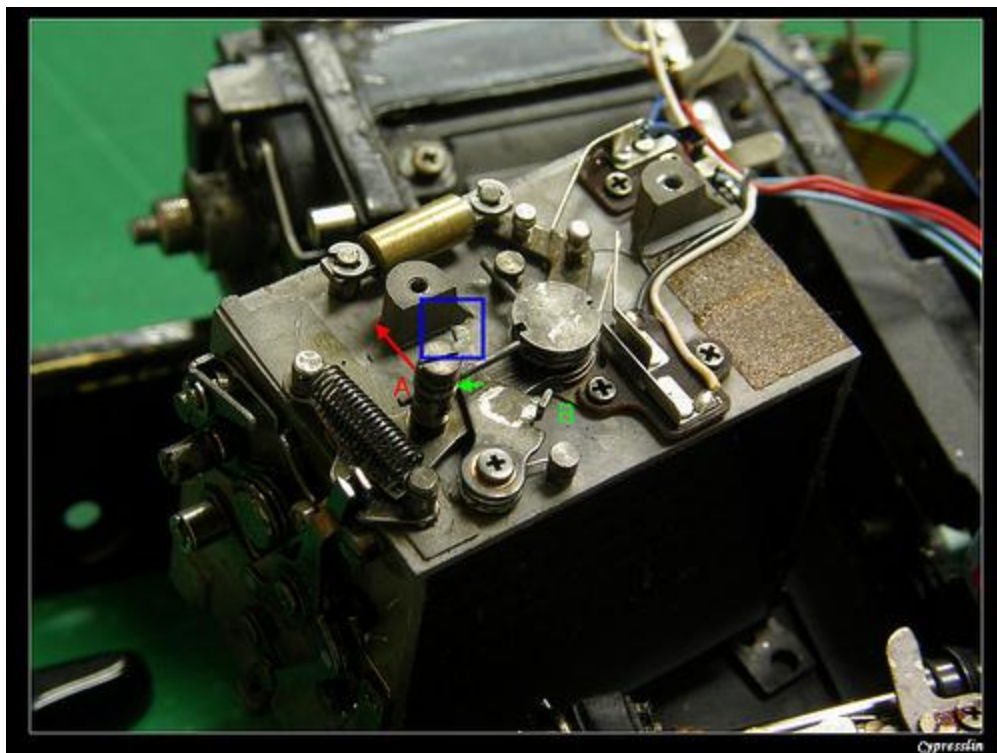


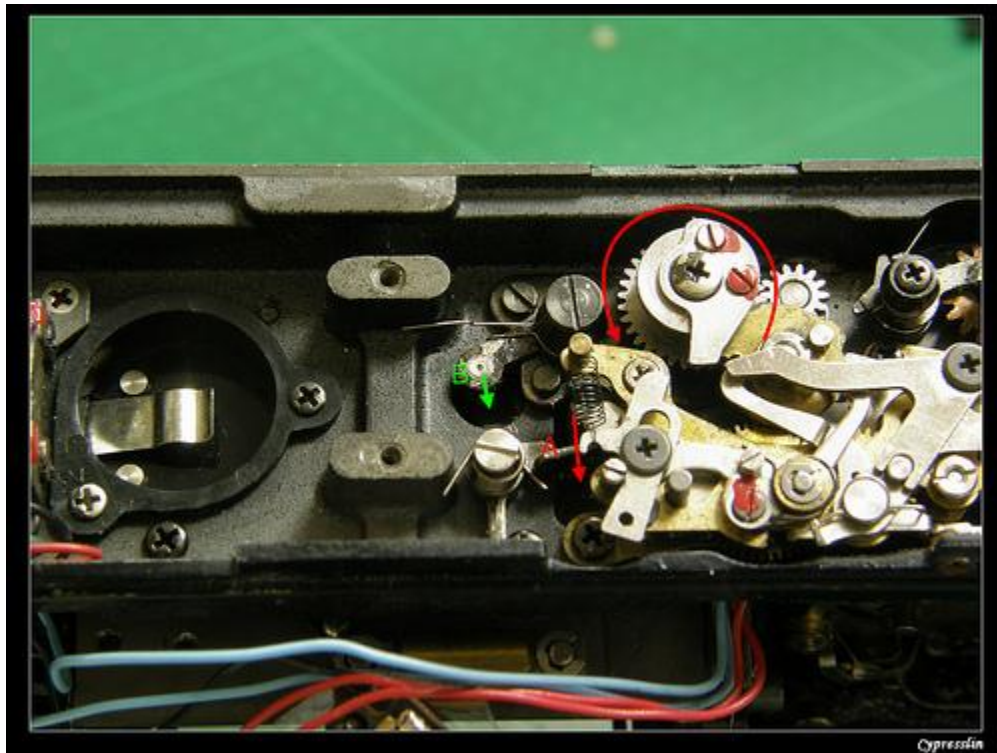


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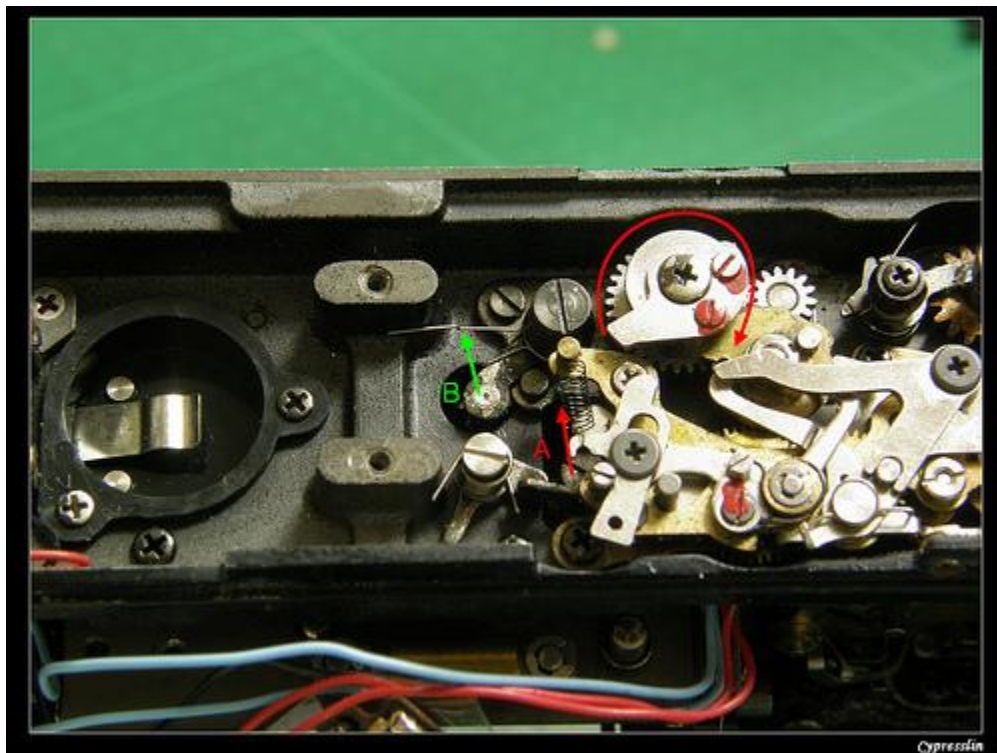
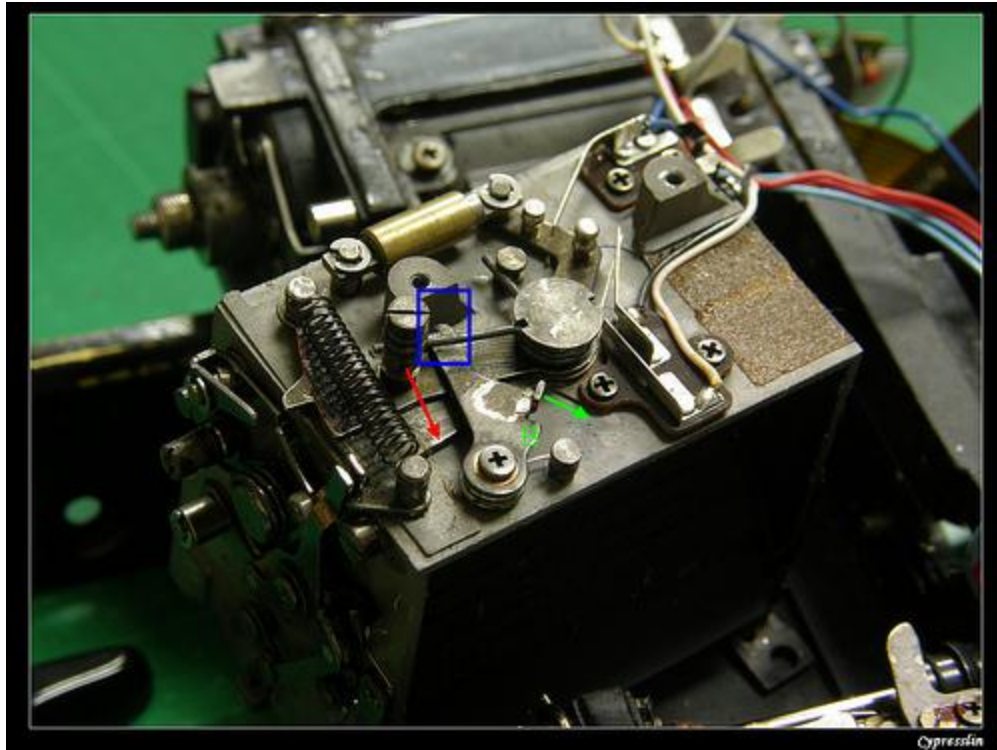


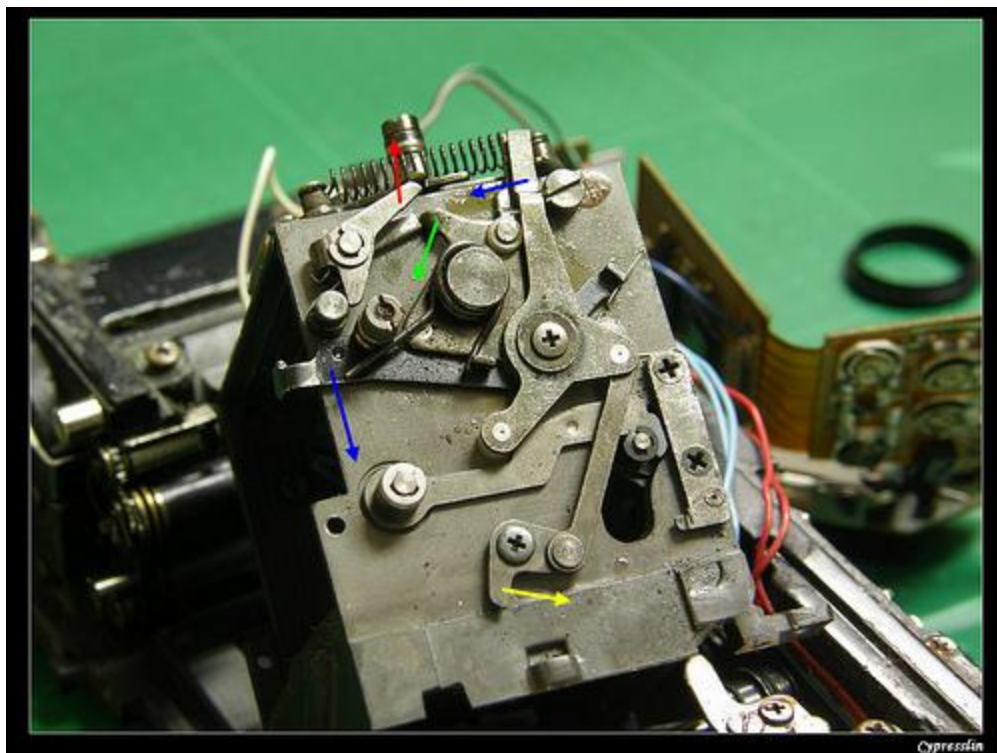
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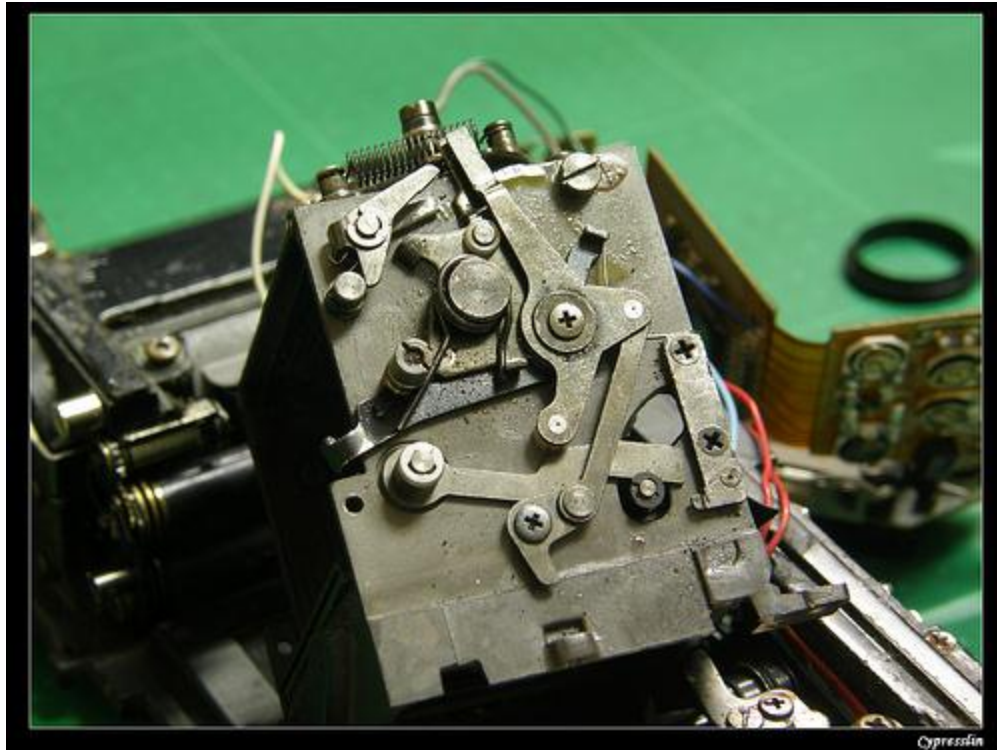


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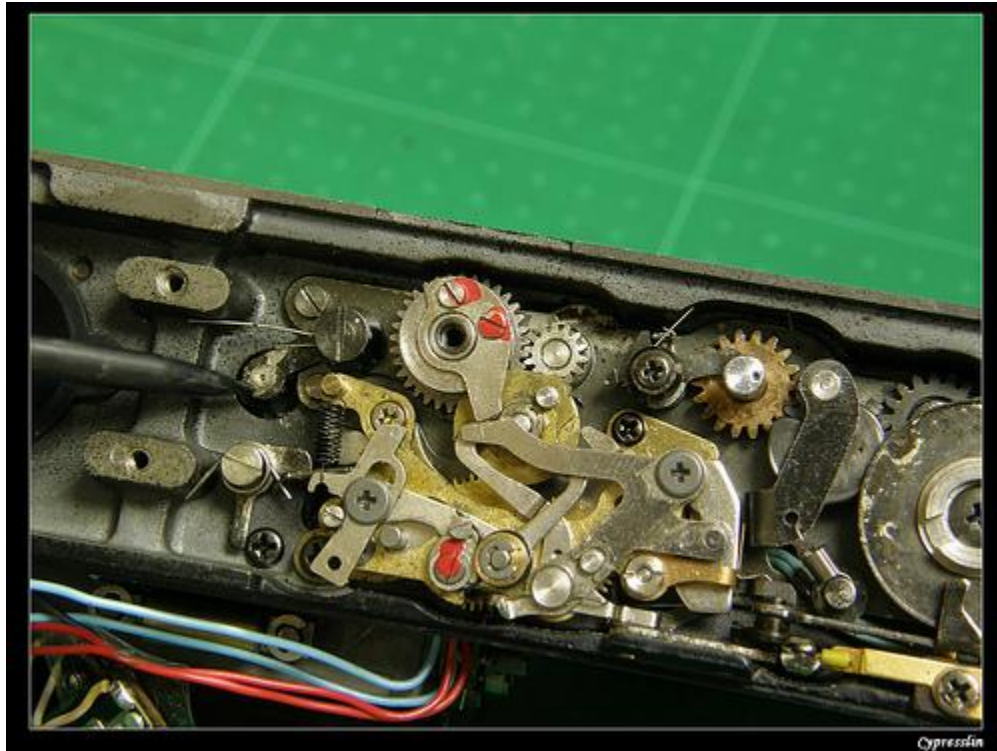
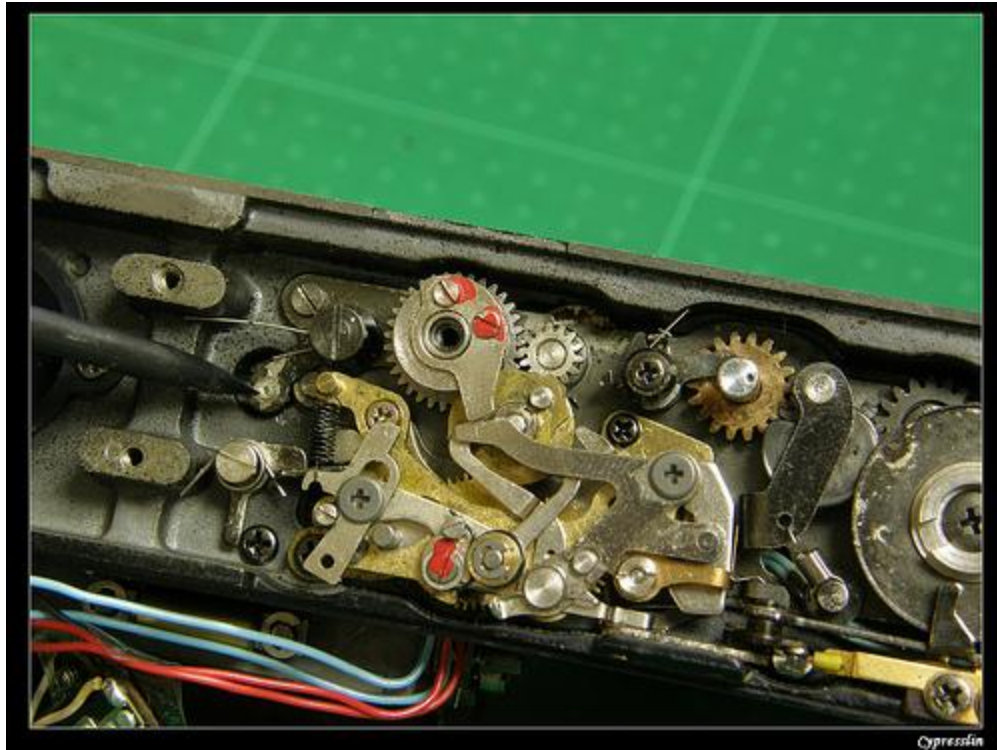


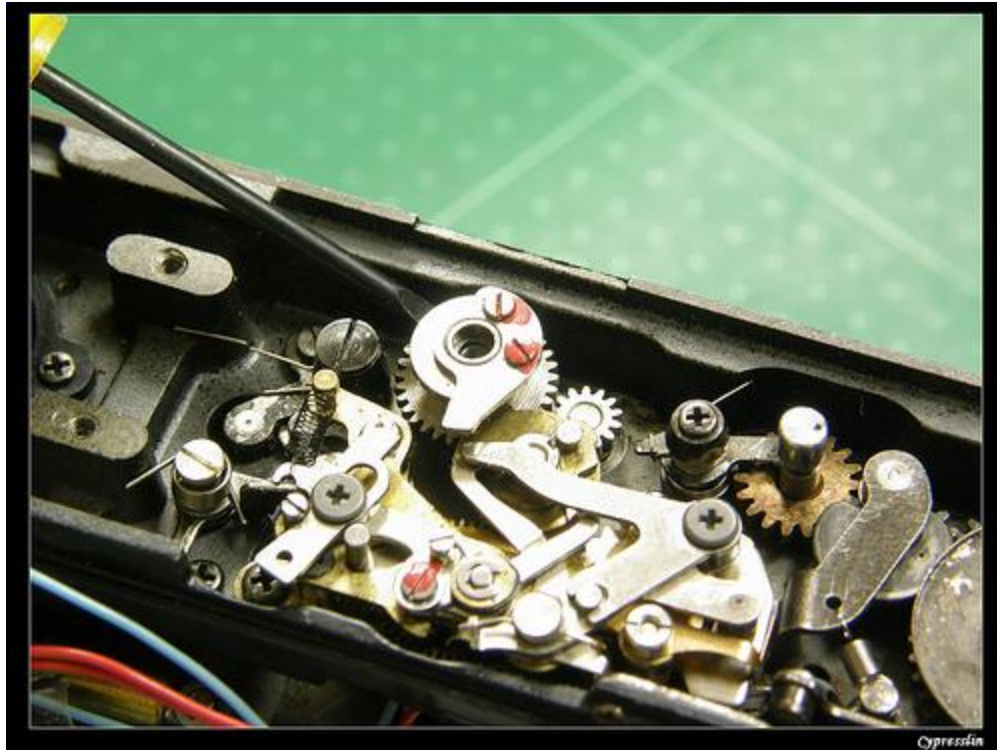


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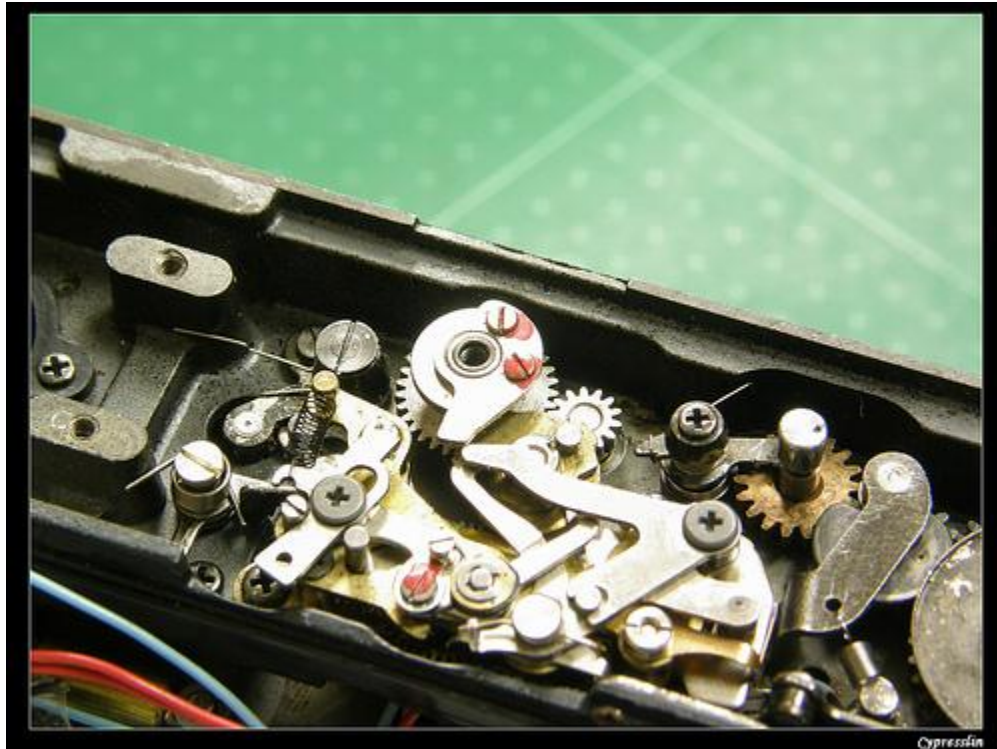


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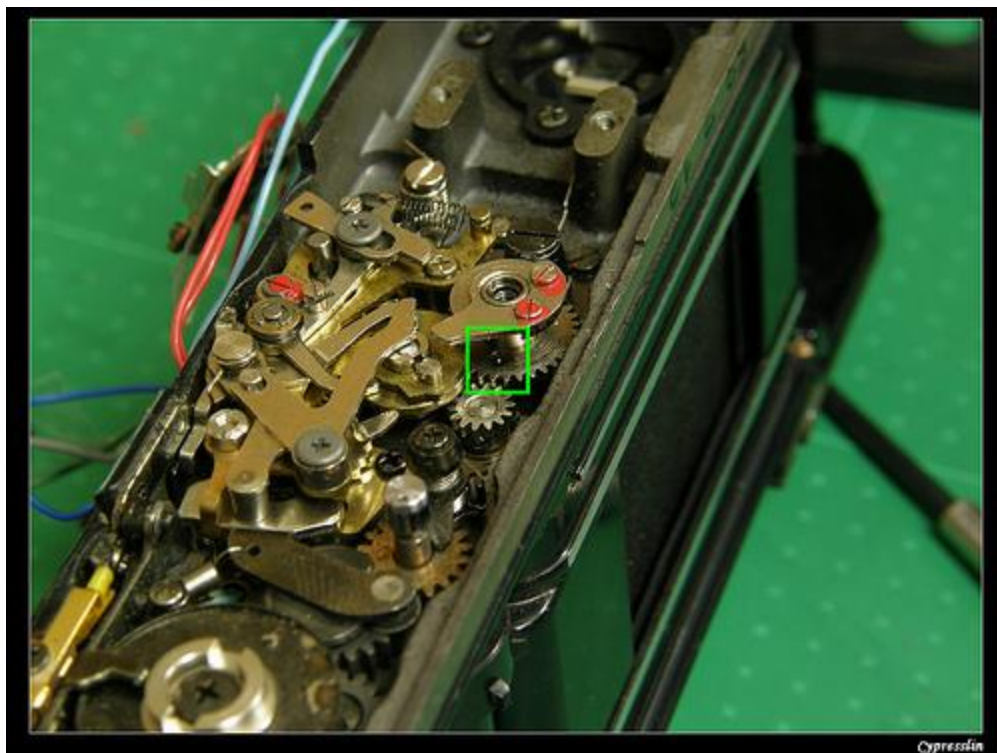




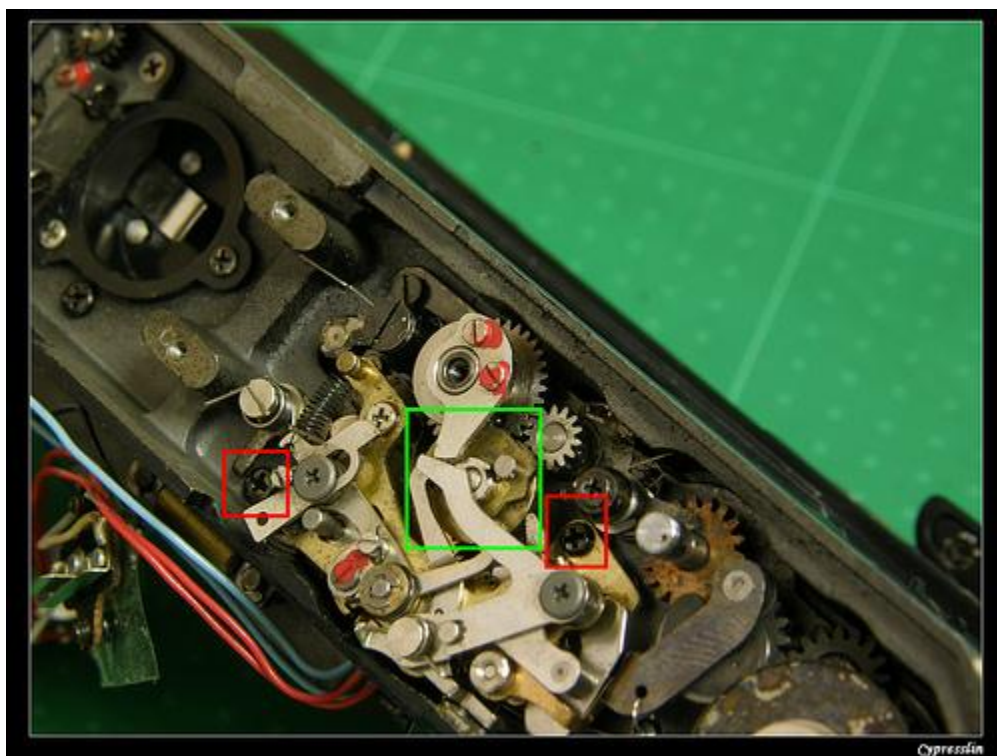
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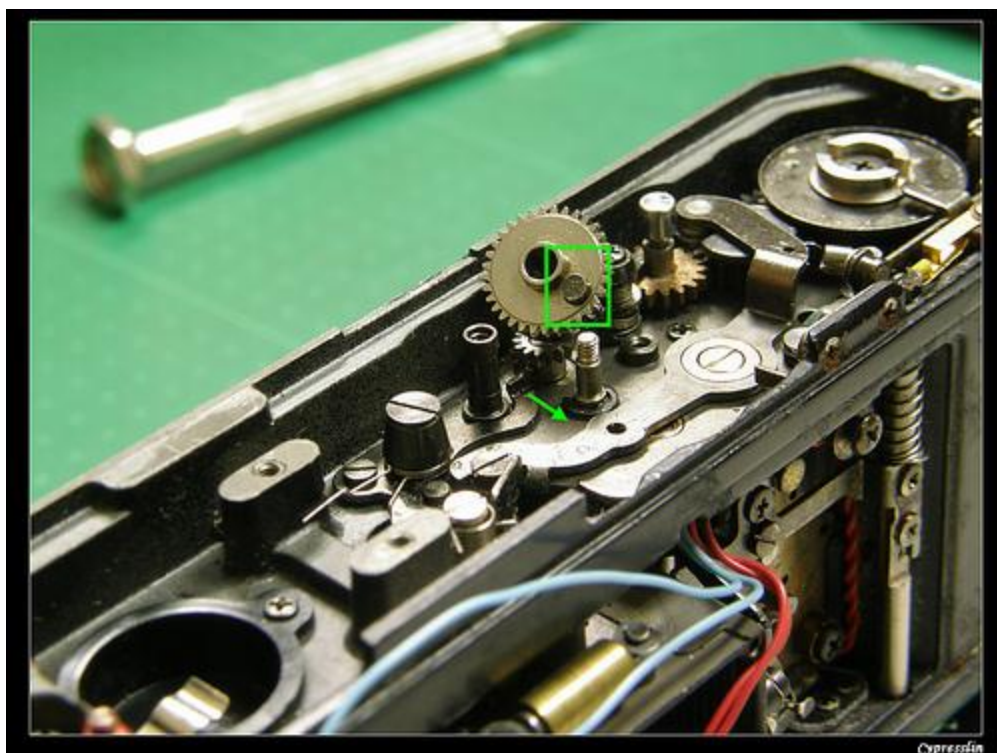
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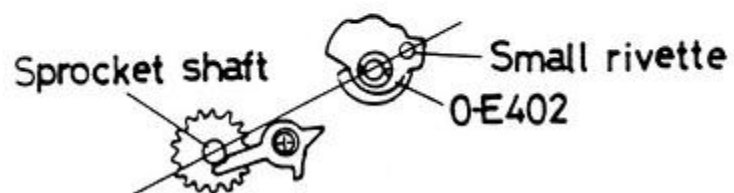
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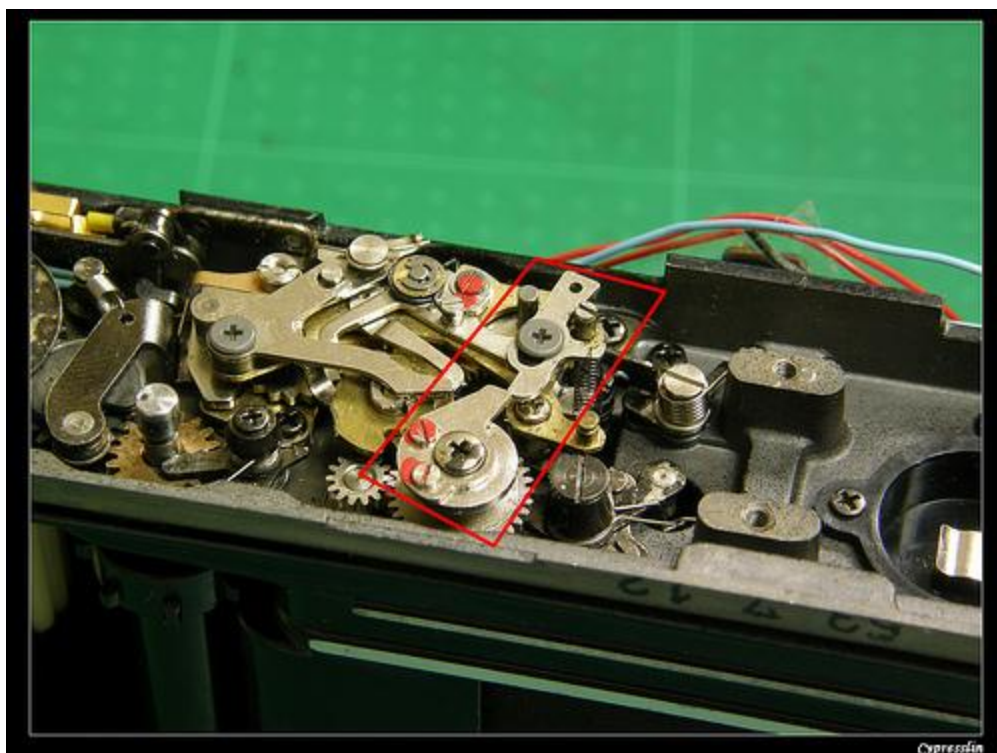


30. Slow speed cam assembly (0-E402)

- a) Shutter speed at B
- b) Small rivet of (0-E402) should align straight with the center of (E401) and sprocket shaft as shown in Figure, and fasten Nut (E406) catching (E401) with pliers. Fasten set screws also.

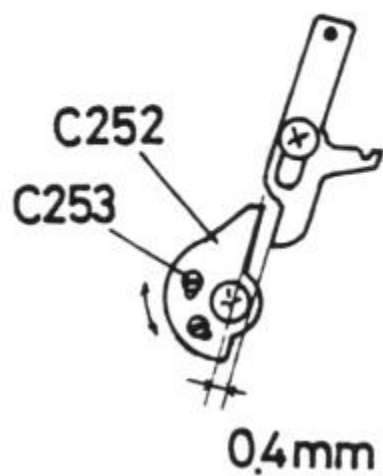
At "B"

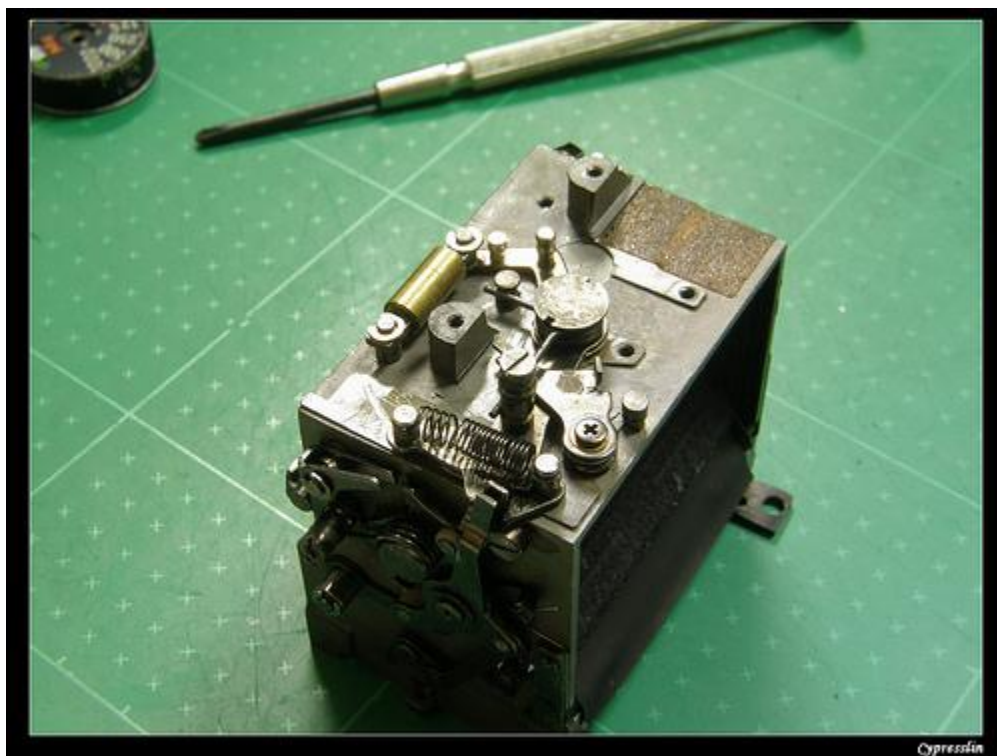




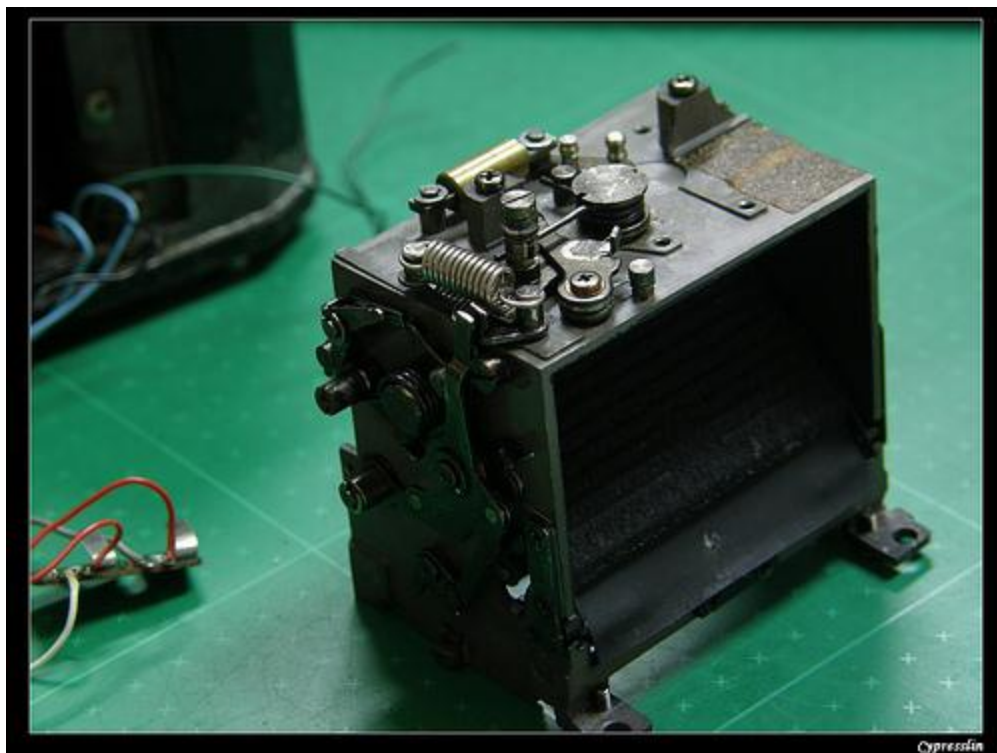
32. Governor actuator plate (C252)

- a) Shutter speed at B
- b) Cock the shutter
- c) (C252) — (C253) x 2 as shown in Figure

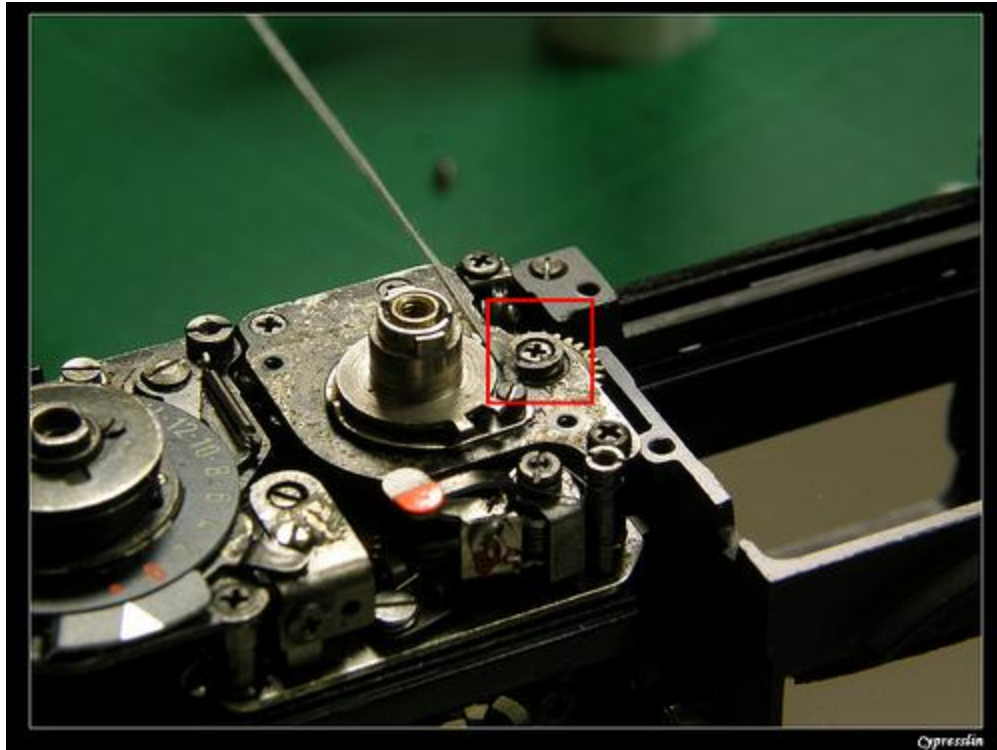




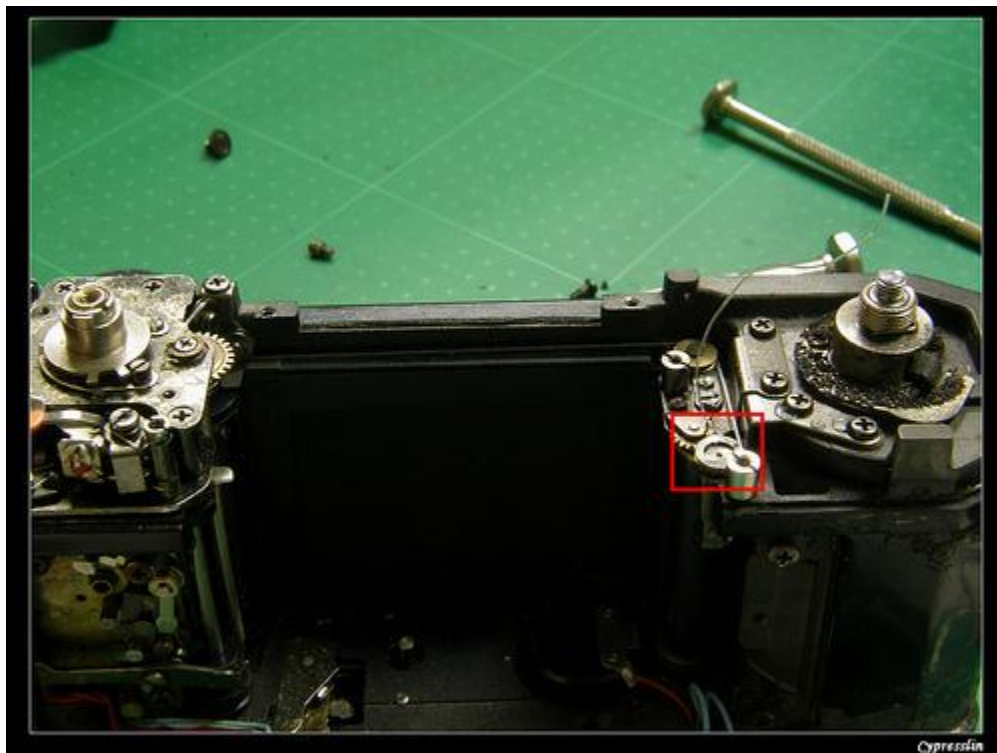
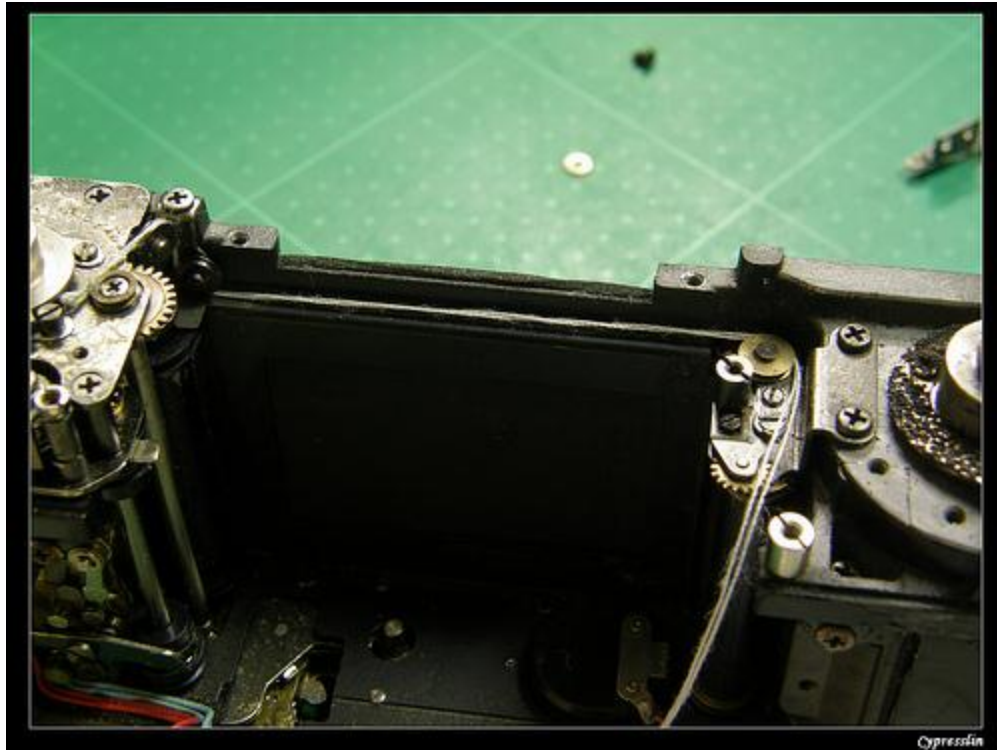
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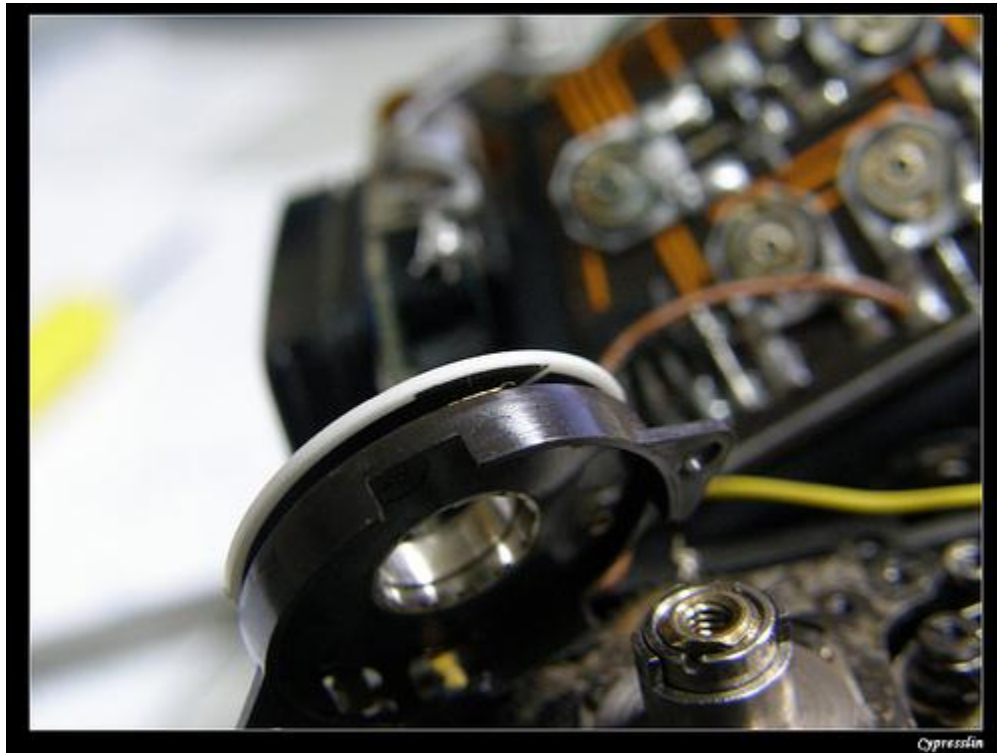


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