



7 ROUND TPX MAGAZINE FIRST STRIKE MODIFICATION MANUAL

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Tools you will need

- Safety glasses
- Popsicle stick
- Small Phillips screwdriver
- X-acto knife
- Small flat file
- Tape
- Two or three short lengths of wire
- Sandpaper, something near 400 grit
- Heavy grease or petroleum jelly



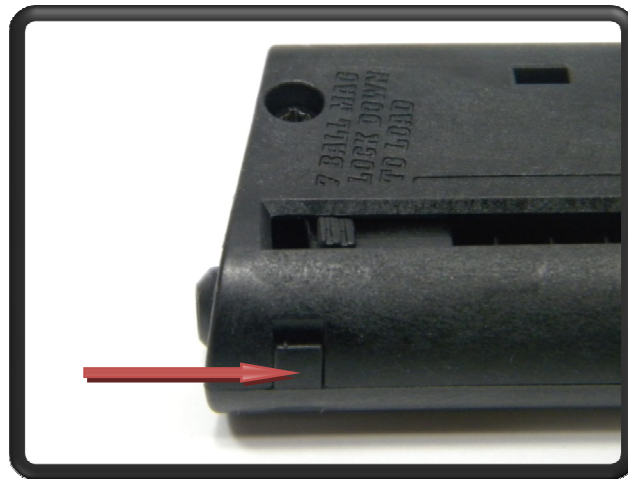
Disassemble the magazine

- Use your small Phillips screwdriver to remove the four screws from the mag.

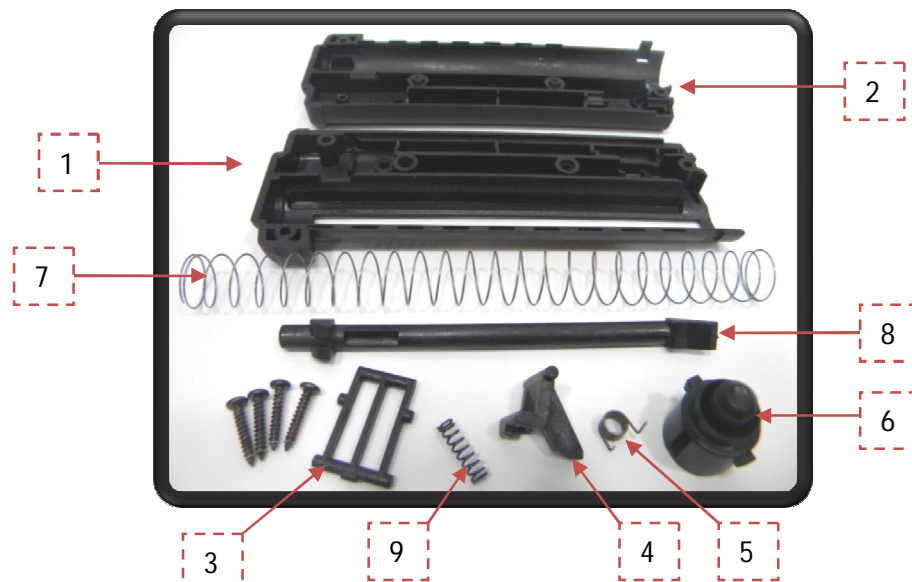




- Separate the halves of the magazine while gently prying back the tab. The tab only needs to be pulled back slightly, so be careful. It may be wise to do this step with the magazine and your hands inside of a paper bag. This is a precautionary measure to catch the release armature spring if it pops out of position during disassembly.

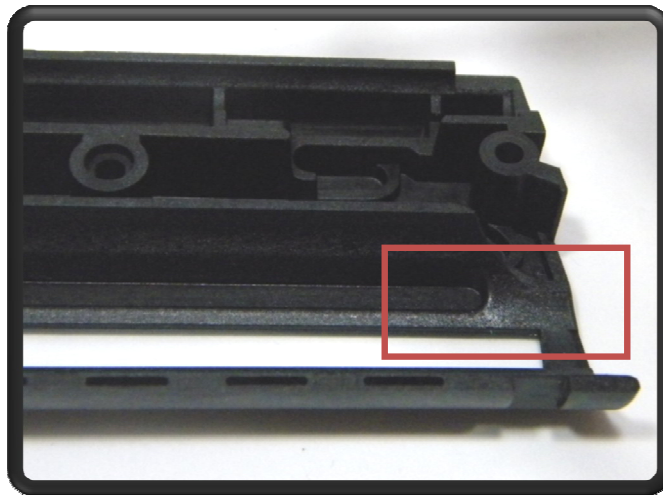


- Remove all of the internals and set them aside. The parts are:
 1. Left half of magazine
 2. Right half of magazine
 3. Ball catch
 4. Carrier release
 5. Carrier release spring
 6. Follower
 7. Follower spring
 8. Release armature
 9. Release armature spring



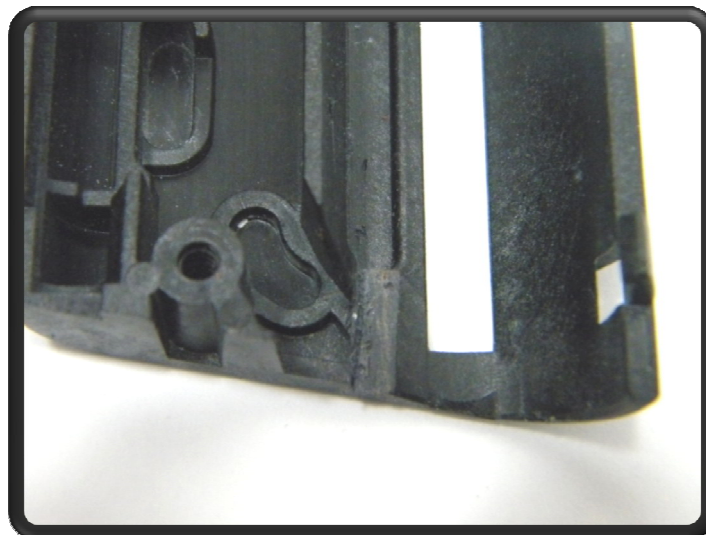
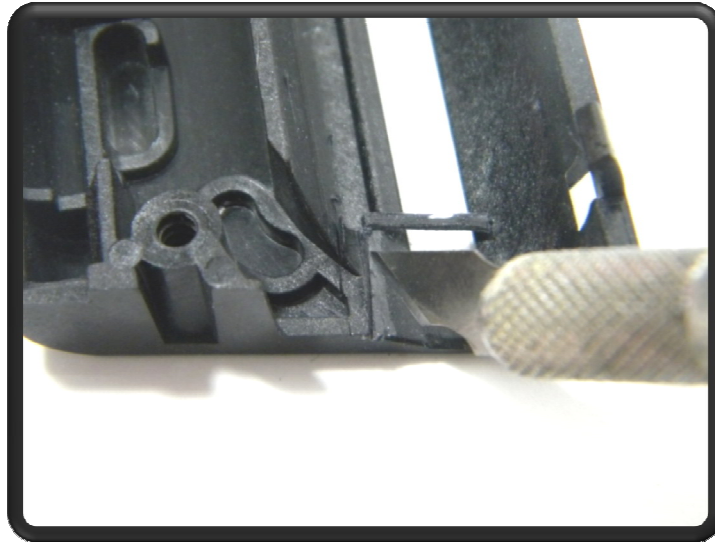


- The 7-round magazines will actually operate with First Strikes with the exception of approx 0.25" of material at the mag outlet. The halves need to be reshaped in the area highlighted in the photo to continue the geometry that already exists down the length of the body.



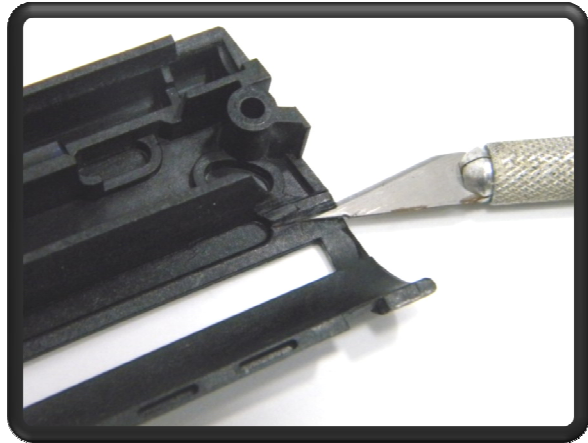
- Start with the X-acto knife to cut away the offending material. The X-acto is used to rough out the desired shape.







- A sawing motion helps to get the blade through the plastic.



- Apply the file and finish shaping the tracks. Wrap the sandpaper around a popsicle stick and use it to smooth the tracks down.





- Check your progress with First Strikes. Smooth magazine operation requires a smooth path. Slide the First Strikes up and out of the magazine. First Strikes are very good at finding rough spots.



- This is the objective.





- Modified mag (top). Stock mag (bottom)





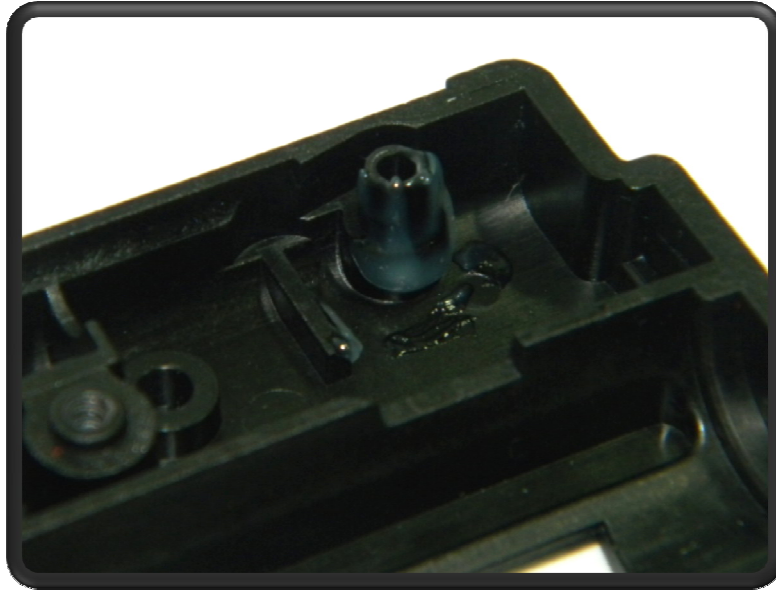
Reassembly

Start with the right magazine half. Pre-compress the follower spring so that it doesn't give you trouble during the reassembly. To do this, lay the follower spring in its track. Loop the short lengths of wire through several coils of the spring. Pull the wire through the slot in the side of the magazine half. Pull the wire down toward the bottom of the magazine and use tape to hold it down. Usually, two bits of wire are all that's necessary. The spring just needs to be compressed enough to allow the follower to sit inside the magazine.

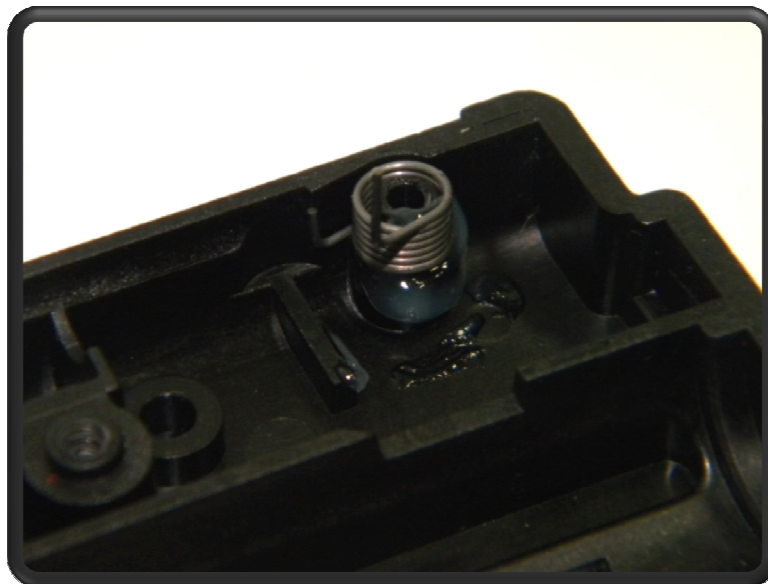




- At this point, you may want to use some double sided tape to temporarily secure the right magazine half to a flat surface. Apply grease to the carrier release spring boss. The grease holds the parts in place during reassembly.



- Place the carrier release spring on the boss.

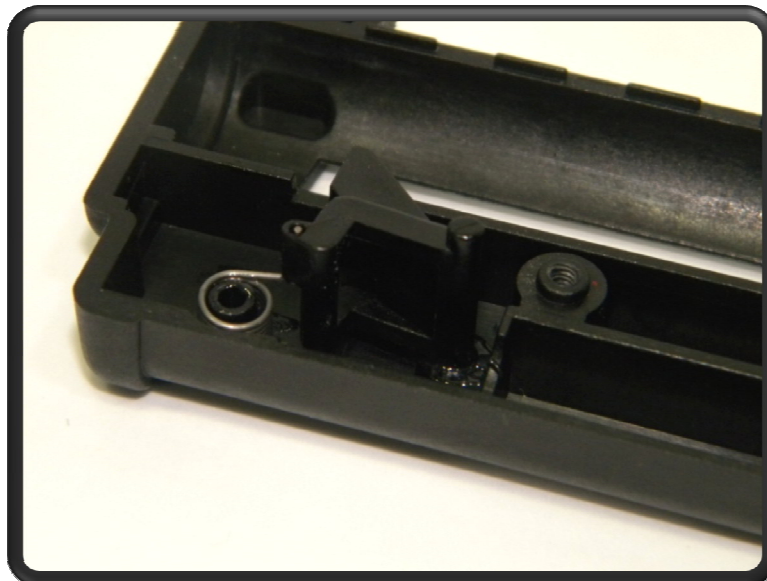




- Apply grease to the carrier release hole.



- Place the carrier release spring in the hole. Make sure the spring is inserted into the small hole in the carrier release.

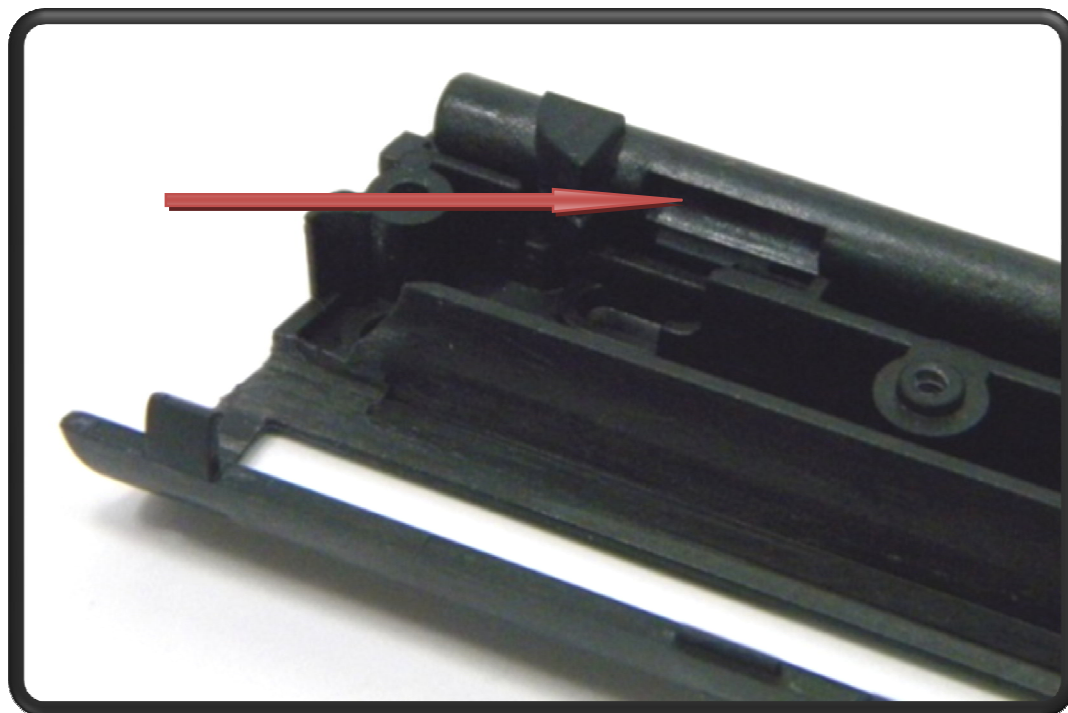


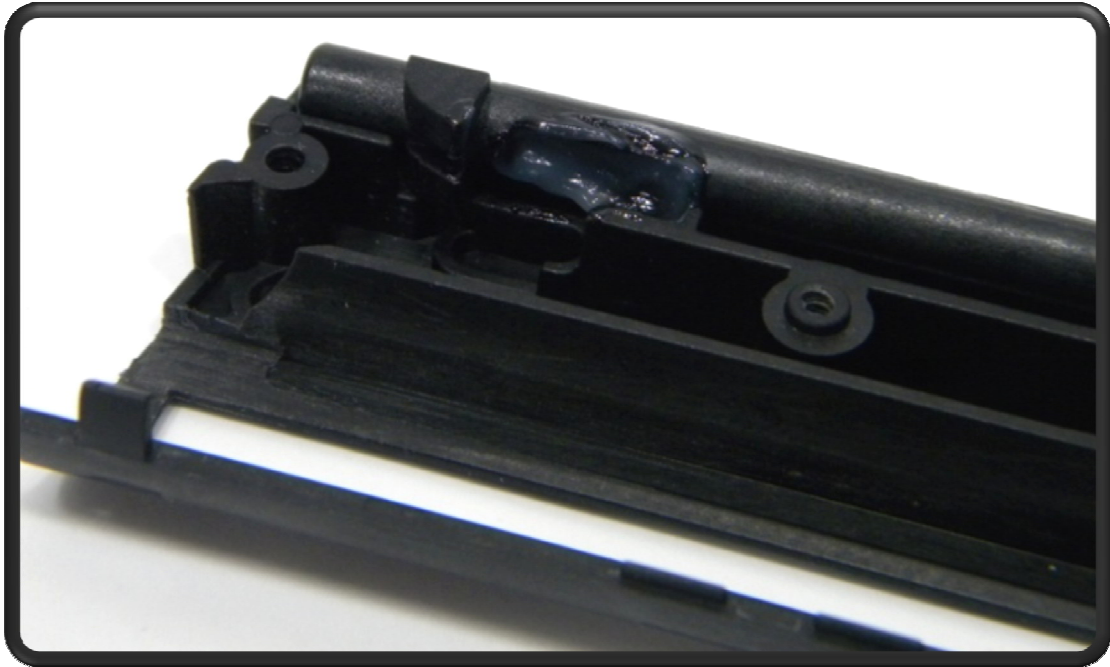


- Place the release armature in its track.

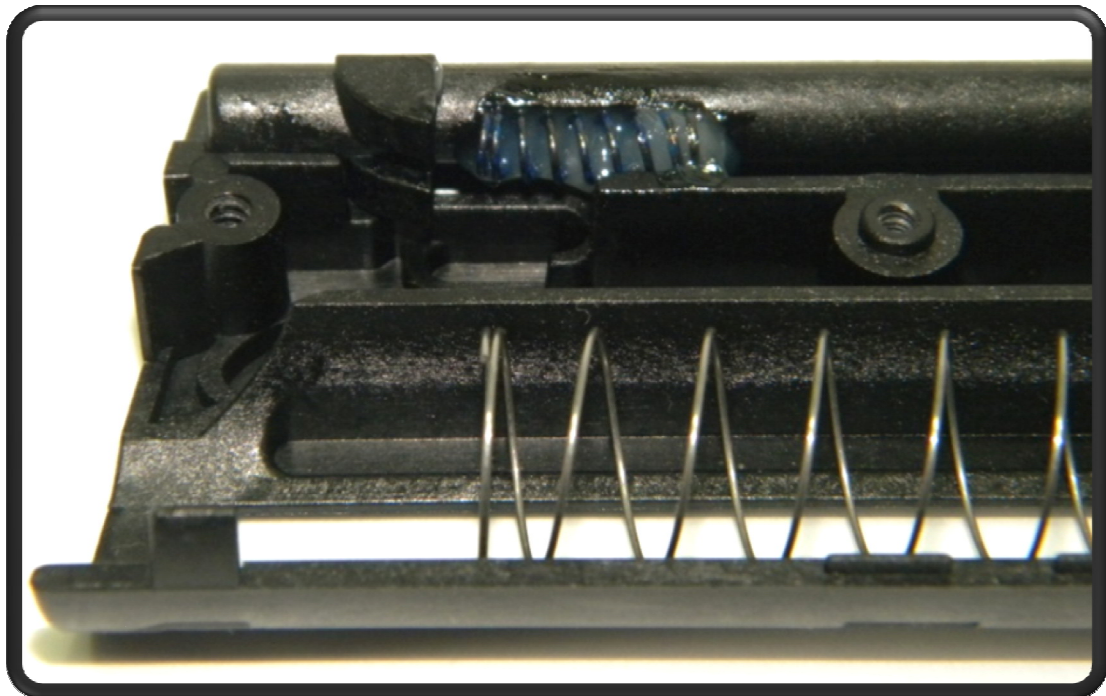


- Apply grease to the armature spring groove.



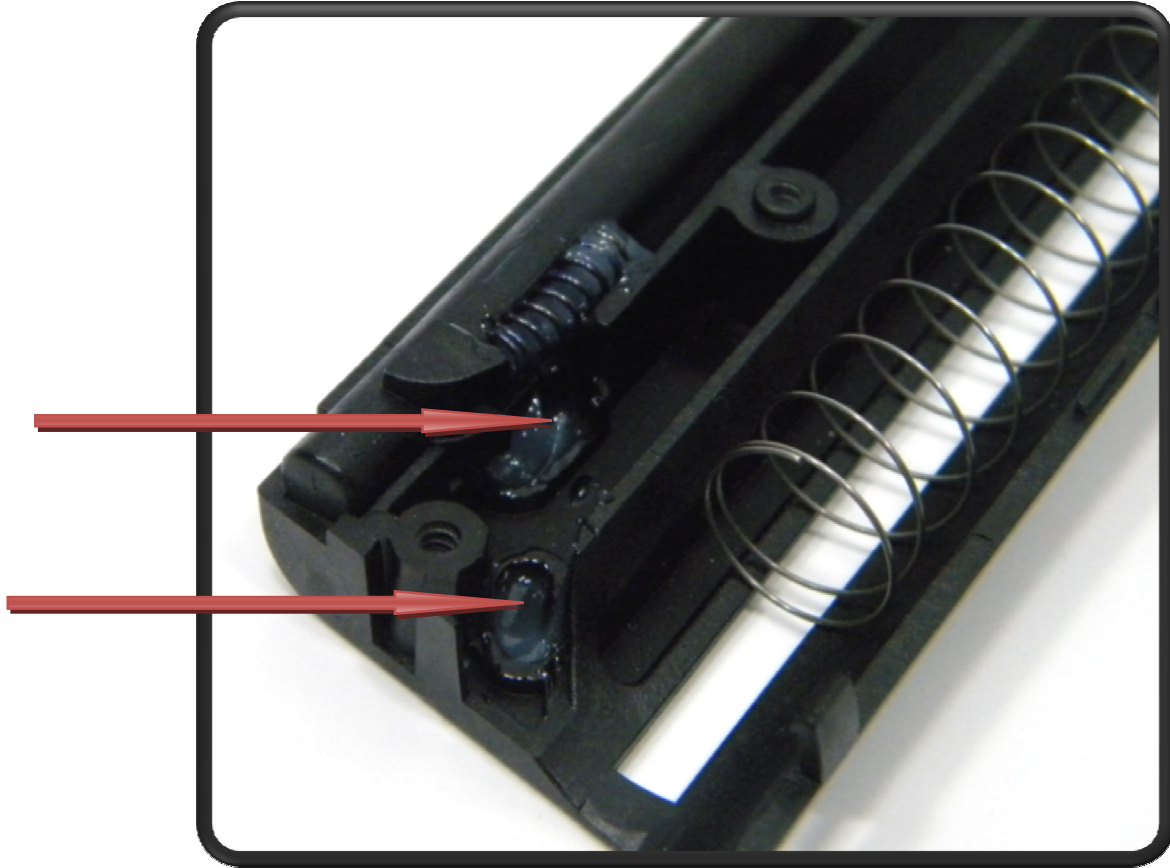


- Place the armature spring in its groove. The spring will need to be compressed a bit to get it in place. Be careful, once in position, it won't take much for it to pop out.



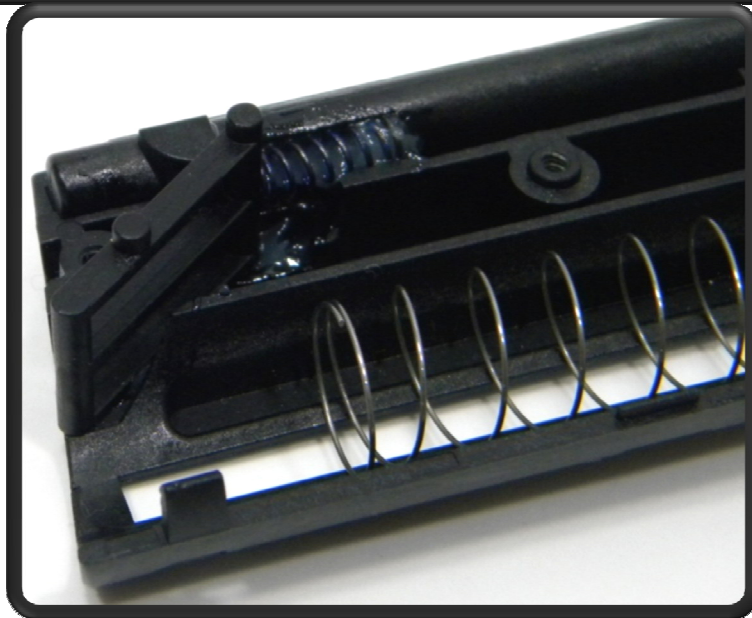
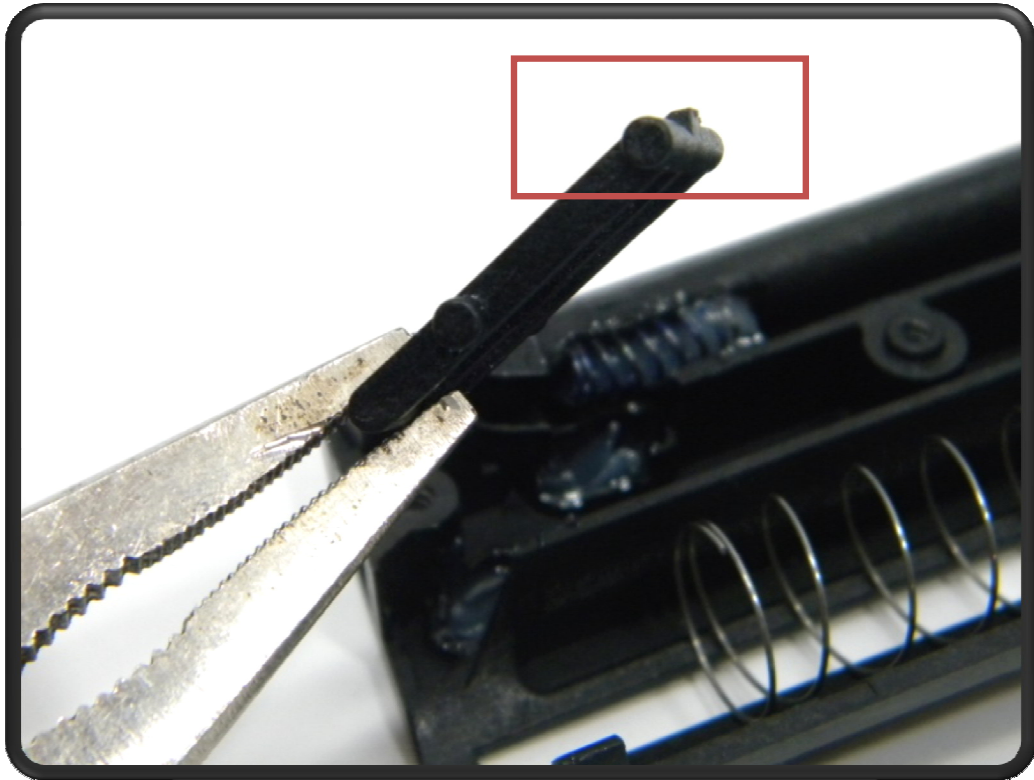


- Apply grease to the ball catch groove.





- Sand down any burrs on the ball catch where a first strike makes contact with it. Place the ball catch on its groove. Take note of the orientation. There is a small wedge shaped feature at one end of the catch that goes into the top of the release armature spring. The catch must be oriented as shown in the photo.





- Lay the follower in the track and snap the left magazine half gently down onto the right half. Now screw it back together. If you took care, that should be it.

