Important :
I am not a qualified repair technician. I do not guarantee the accuracy, safety, or effectiveness of any information presented here. Anyone attempting to work on their own device does so at their own risk.

In this document, I describe my personal approach to disassembling the Apple Pencil (2nd generation) in order to access and remove the battery. I have performed this disassembly myself and encountered several issues along the way. I am sharing these observations so that others are aware of potential problems they may face if they choose to attempt a similar repair.

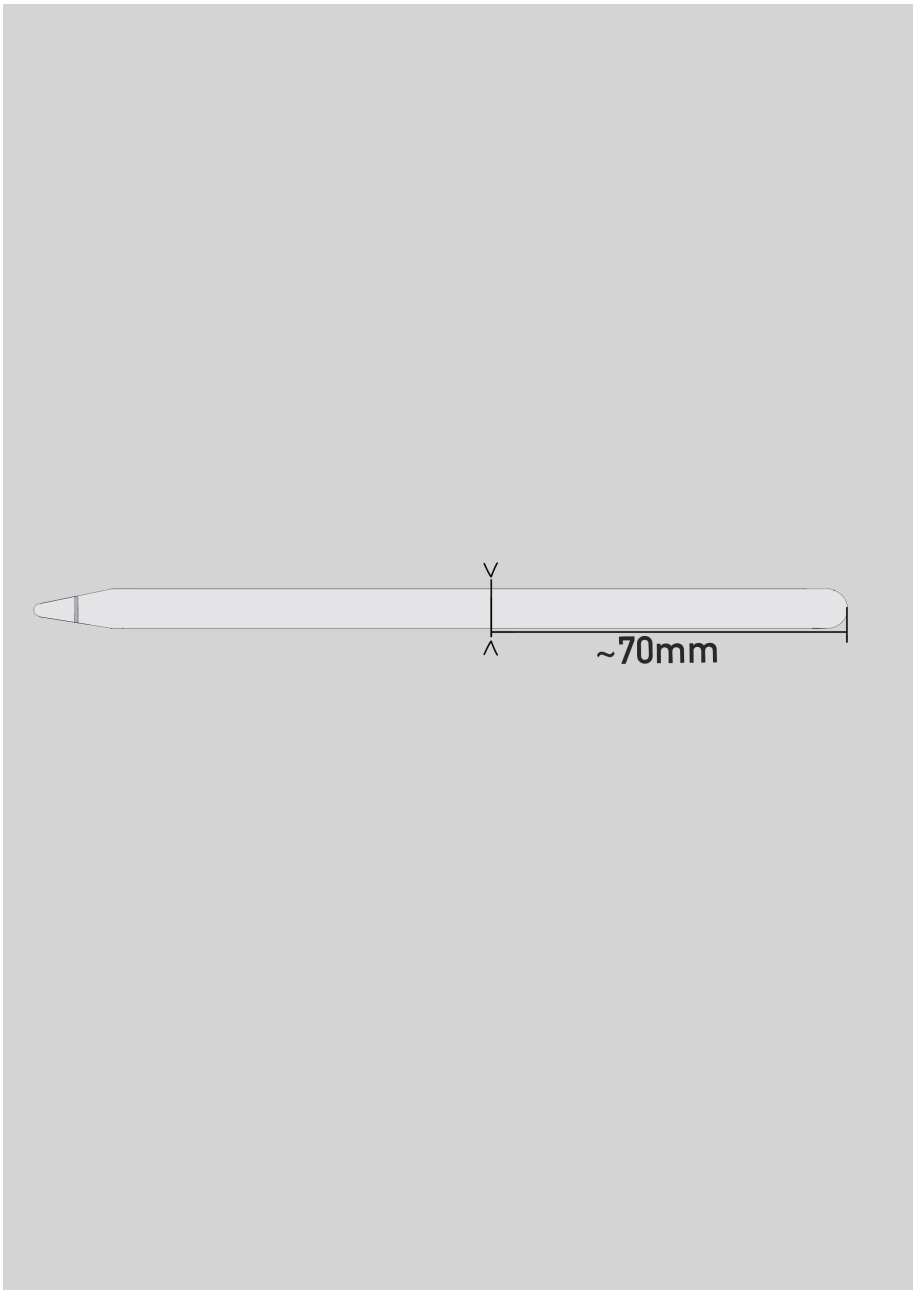
I would like to point out upfront that the original housing will be permanently damaged during this process and cannot be reused. As a result, a replacement housing must be obtained together with the battery.

This process typically involves the use of several common tools (for example, cutting, gripping, and fastening tools, as well as a heat source), which are mentioned here only to give a general idea of the complexity involved, not as a recommendation or instruction.

1.First, unscrew the tip to avoid damaging it.

2. Based on my personal experience, the enclosure separation occurred around the mid-section of the pencil. In this area, the adhesive securing the outer shell appears to end, which made it the least resistant point during disassembly.

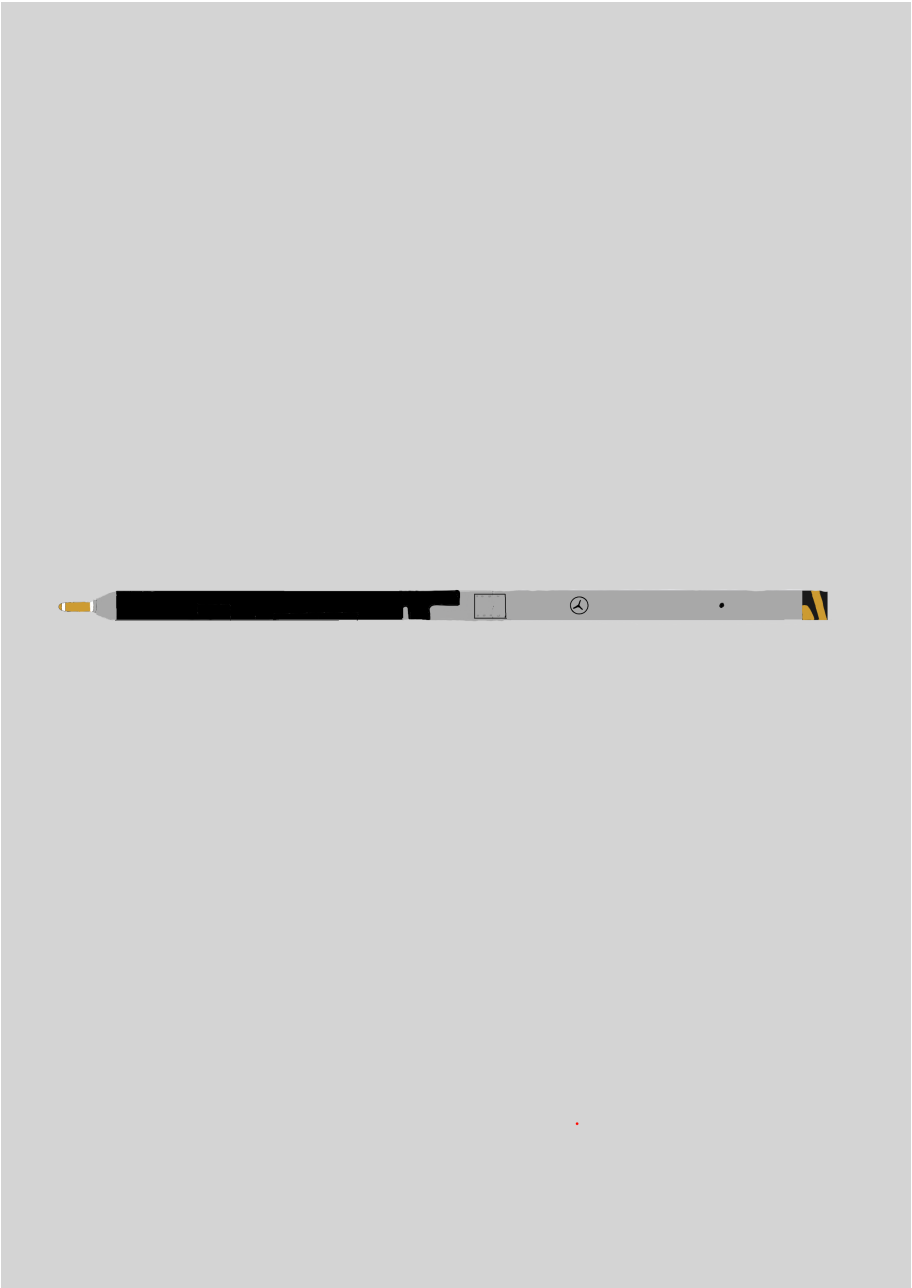
I attempted to create a controlled separation along this section while trying to minimize cosmetic damage to the metal shell. This observation is shared only to describe where structural changes were encountered, not as a recommended method.



3. After this stage, the lower section of the enclosure became detached during my attempt.

4. At this stage, I observed further separation points on both sides of the enclosure, as illustrated. In my case, the adhesive in this area appeared to soften when exposed to moderate heat, which affected how the plastic component detached.

5. In my experience, the next stage involved examining the internal components as shown in the illustration. I observed a screw securing the battery and a small square cover that appeared to be



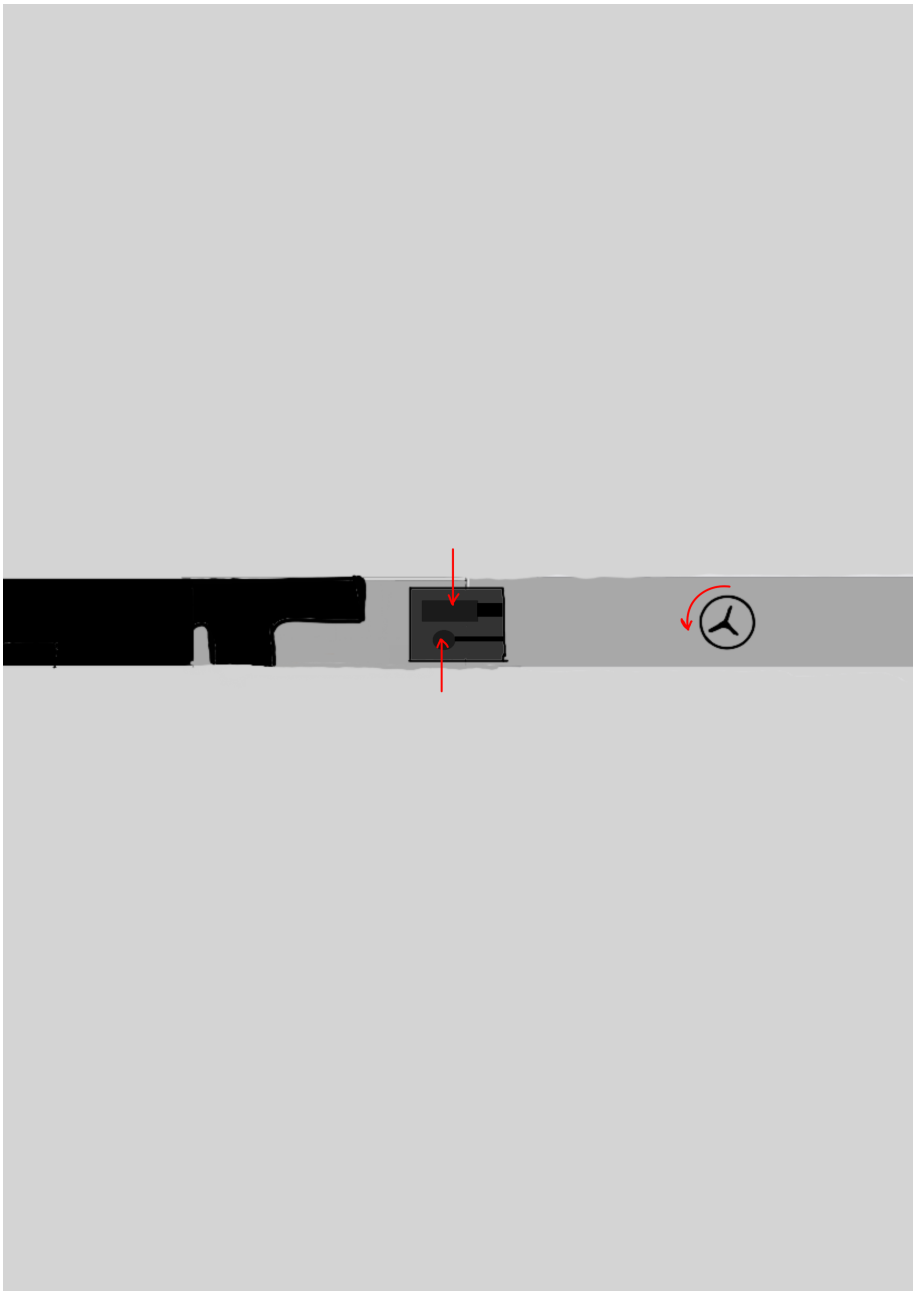
spot-welded. This cover was the most challenging part to separate, and I noticed that sharp tools could easily damage internal components if not handled carefully.

These notes are intended to describe the structural observations and difficulties I encountered and are not a recommendation or guide for attempting repairs.

After the plastic section was separated, residual adhesive remained and required additional attention before any further examination

could continue. This description reflects my personal experience and is not intended as a recommended procedure.

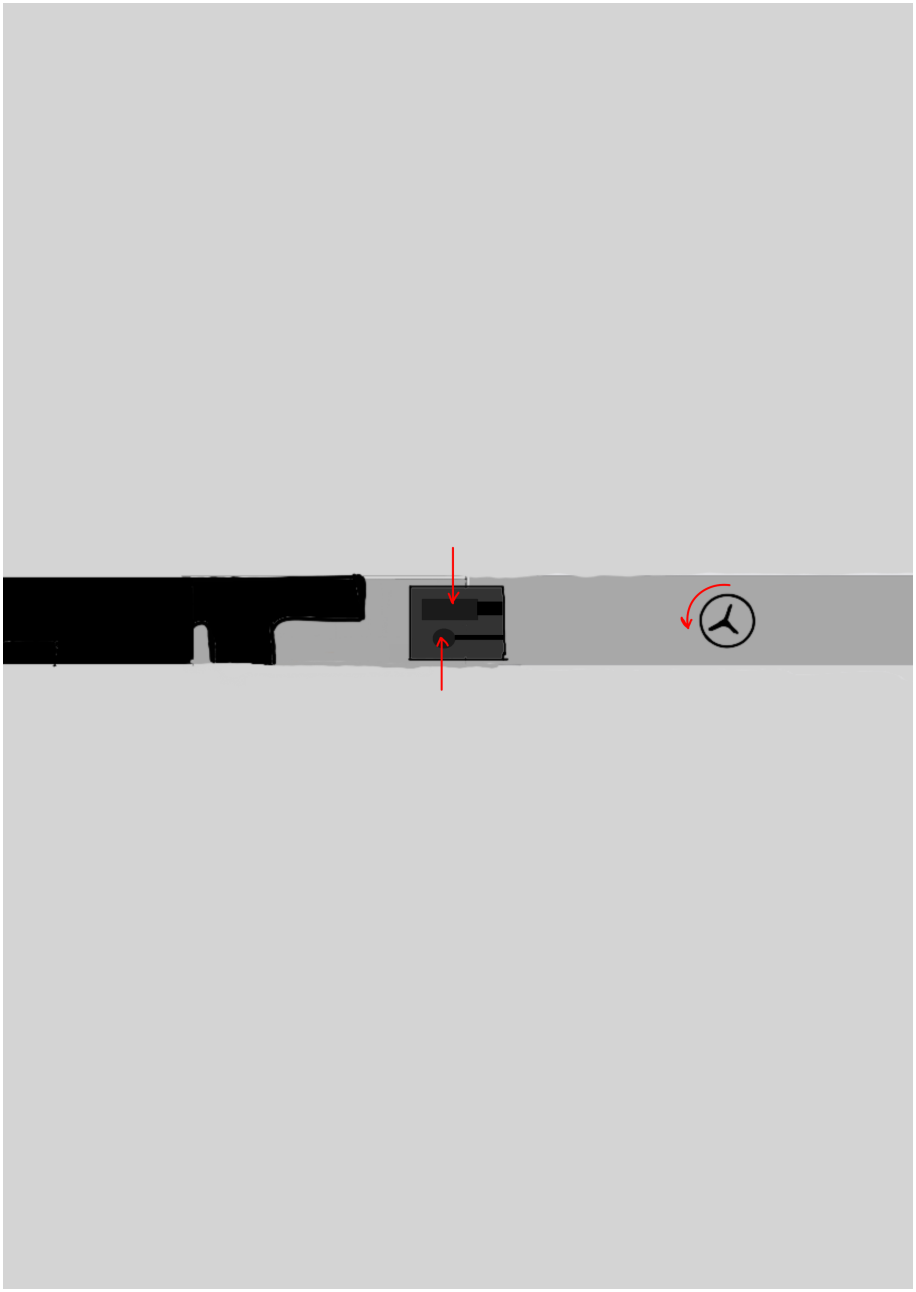
and disconnect both convectors, before doing this, remove the small



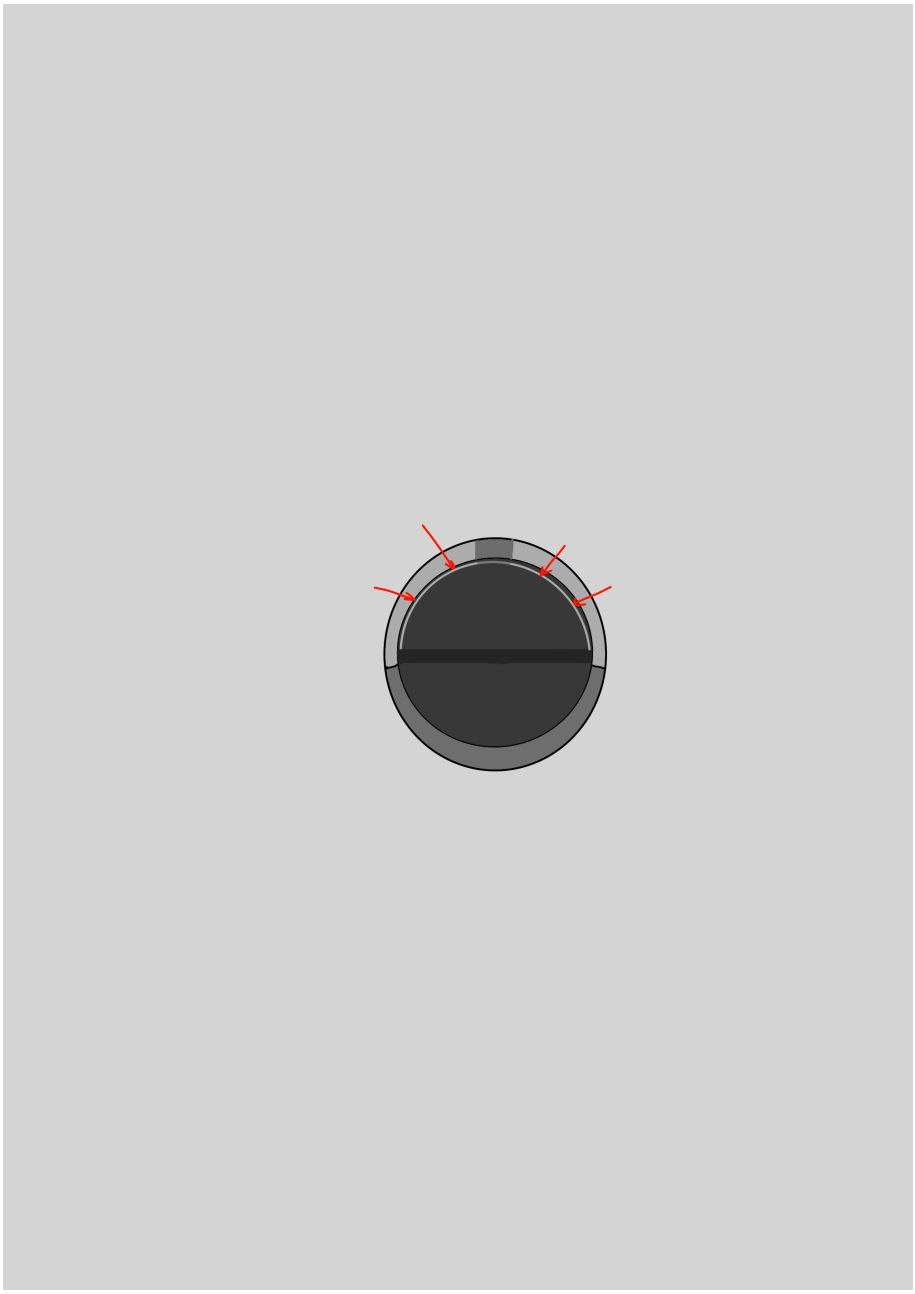
glue spots

6. In my experience, when examining the end of the pencil, I observed areas where spot welds were present along the edges. These welds appeared to require careful attention to inspect and assess the structure. I found that fine tools, such as a file, could be used to examine these areas more closely.

This description reflects my personal observations and is not intended as a recommendation or guide for attempting repairs.



7. In my experience, at this stage, the antenna became detached. I observed that the wire leading to the antenna is very fragile, and any bending or movement could easily damage it, making repair extremely difficult. This note is provided purely to describe what I encountered and is not a recommendation for performing repairs.



8. In my observations, the battery is mounted on a metal plate that is welded in a couple of places near the recess. I noticed that this area is particularly delicate, and any attempt to manipulate it carries a high risk of damage. Exposure to moderate heat appeared to affect the adhesive and metal connections, but the battery itself is very sensitive, and any stress on its edges could easily cause irreparable damage.

This description reflects my personal experience and is provided for informational purposes only, not as a recommendation for repair.

Tool Safety Notice:

Working with sharp or pointed tools, such as knives, files, or tweezers, carries a high risk of injury. Extreme care should be taken to avoid cuts, punctures, or slips. This note is provided for awareness only and is not a recommendation to perform any repairs.