November 2023

Sera4 AP3 Recycling

Required Tools

- Phillips #2 Screwdriver
- 2mm Allen Key/Bit
- 2mm Slot Screwdriver/Bit
- Mobile phone with Teleporte Mobile Application and a key to unlock this AP3

Disassembly of AP3

Unlock the AP3

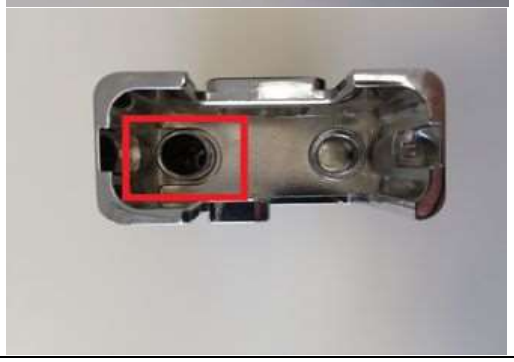
1. Provide power via the micro-USB port if the battery in the lock is dead
2. Assign a key to the lock in the Teleporte Admin Console if not pre-assigned
3. Open the Teleporte App
4. Connect with the lock
5. Request **Replace Battery** using the 3-dots menu.

Remove Shackle Retaining Pin

1. Remove the 2 Allen Socket Set Screws located on the front and rear of the lock
2. With the Allen Socket Set Screws remove the Shackle Retaining Pin should slide out to the front or rear of the lock. If the pin does not slide out easily: push the shackle into the lock slightly to remove pressure from the pin, or use the Allen Key/Bit to push the pin through the lock.

Remove Shackle, Shackle Spring, and Upper Battery Door Screw

1. Turn the lock upside down and press the button 3 times. The lock will unlock and the shackle should fall out.
2. Keeping the lock upside down, press the button 3 times again. The lock will unlock and the shackle spring should fall out.
3. Using the #2 Phillips screw driver, loosen and remove the Upper Battery Door Screw via the Shackle Hole (Highlighted below). With the lock upside down press the button 3 times to allow the screw to fall out of the lock.



Remove Lower Battery Door Screw

1. Turn the lock upside and remove the protection sticker over the Lower Battery Door Screw.
2. Using the #2 Phillips screwdriver remove the Lower Battery Door Screw

Remove the Battery Door and Battery

1. Using the 2mm Slot screwdriver, pry out the Battery Door
2. Remove the battery

Remove Lock Chassis

1. Reach into the battery cavity and push the lock chassis out of the lock body. There can be some resistance the first time the chassis is removed from the lock body. A screwdriver can be used to push down from inside the battery compartment.

Remove PCB and Motor

1. Remove the two screws on the Circuit board and pull the circuit board back revealing the motor and wires.
2. Remove the connector of the limit switch from the Circuit board
3. Use the Standard screwdriver to pry and remove the other switch
4. Use the Standard screwdriver to pry underneath the plastic door to access the motor. Make sure both sides are lifted before prying the plastic up as to prevent the pegs from snapping. Remove the Motor and the Circuit board attached.

Remove Other Electronic Components

1. Use Standard screwdriver to pry up the limit switch removing the silicone with it.
2. Remove the small film on the chassis from underneath the motor and remove the moisture bag from the side of the motor.
3. Use the Standard screwdriver to pry the Battery terminal form the Chassis.

Remove Chassis Seals

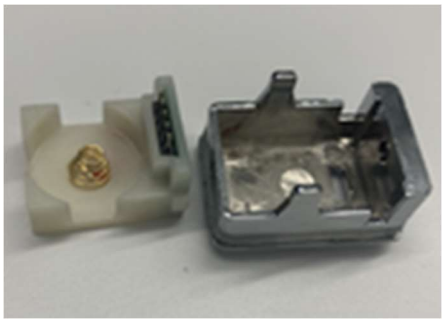
1. Remove the Seal ring form the bottom of the chassis
2. Use a knife to scrape the extra silicone from the front and back of the chassis

Clean Off Body

1. Remove Screw seal, Right side seal and HWID sticker.
2. Push the Button down, and inside of the body use tweezers to puncture the button and pull the button through the body.
3. Remove the Silicone ring around the button.
4. Use A Standard Screwdriver and tweezers to remove the LED protector form the Lock.
5. Use a knife to scrape the silicone from the LED protector and the inside of the lock body
6. Isopropyl Alcohol can remove any remaining silicone

Disassemble Battery Door

1. Remove the Plastic circuit board holder from the Battery Door
2. Remove the USB cover and the seal ring from the Door
3. Use Isopropyl Alcohol to remove the film from the cover.



Recycling AP3 Components

Once Disassembled, collect the AP3 components sorted into four piles.

Zamak and Steel Components

1. Lock body
2. Battery door (without plastic insert)
3. Lock chassis

Drop off these components with a local Metal Recycler to recycle

Electronic Materials 1. Circuit Boards 2. Switches 3. Motor 4. Wires 5. Battery bracket **Drop off these components with a local e-waste program to recycle**	
Steel Components 1. Shackle 2. Shackle pin 3. Spring **Drop off these components with a local Metal Recycler to recycle**	
Battery **Battery is accepted by most local battery recycling programs**	

If you have any questions, please contact: info@sera4.com