Fixez.com can help make repairing the Galaxy S4 SGH-i337 (AT&T) both simple and affordable. The detailed steps we have provided in the S4 disassemble guide will assist you in safely replacing a broken display assembly, along with other internal components that may have become damaged.

You can find a full archive of fixez.com disassemble guides and repair videos, for numerous makes and models of smartphones and tablets, by visiting http://www.fixez.com.
Battery

1. Near the headphone jack, on the side of the Galaxy S4, insert a plastic opening tool in the notch located in the back cover. Work your way around the entire S4 smartphone gently freeing the clips that secure the back cover in place.

2. Next, use the plastic opening tool or nylon spudger to pry up and remove the battery from the Galaxy S4.

Loud Speaker

3. The SIM card and the microSD card should now be easily accessible, remove both of them from the S4. Now, locate and remove the nine Phillips screws (#00) that secure the plastic rear housing and loud speaker to the S4 display assembly and front housing.
Clips secure the loud speaker into the Samsung smartphone, use the fine tip curved tweezers to pry the loud speaker up and out of the Galaxy S4.

The rear housing can be removed utilizing the plastic opening tool. Begin separation toward the bottom of the S4 and carefully work your way around the entire smartphone releasing the clips that hold the rear housing in place.

Locate and remove the Phillips screw (#00) that secures the motherboard into the Samsung smartphone. (marked with an orange circle)

Locate and disconnect the coaxial cable from its socket. (marked with white circle) The dock connector assembly has a metal bracket securing it to plastic posts on each side of the dock port. Utilize the fine tip curved tweezers to pry up on the bracket and release it from the plastic posts. (marked with black circles)

Next, locate the six wafer connections and use the fine tip curved tweezers to release them from their sockets. (marked with white rectangles)
7. With the single Phillips screw removed and all connections released from the motherboard, you should now be able to carefully remove the motherboard from the Galaxy S4.

8. Use your nylon spudger to pry up and remove the rear-facing camera from the S4.

9. The dock connector assembly is now secured to the S4 by a small amount of adhesive. With the flat side of the nylon spudger pry up and remove the dock connector assembly from the Galaxy S4.
Headphone Jack Assembly

10. Locate and remove the two Phillips screws (#00) that secure the components located toward the top of the S4. (marked with orange circles)

11. Next, use the fine tip curved tweezers to lift the headphone jack assembly from the Samsung smartphone.

Front-Facing Camera

12. Utilize the fine tip curved tweezers to remove the metal clip securing both the front-facing camera and the earpiece speaker assembly.
13. You can now use the fine tip curved tweezers to pry up and remove the front-facing camera from the S4.

14. The earpiece speaker assembly is secured in place with a small amount of adhesive. Utilize the fine tip curved tweezers to gently pry up and remove the earpiece speaker assembly from the Galaxy S4.

15. The S4 SGH-i337 Display Assembly (LCD & Touch Screen) is fused together and cannot be separated. The display assembly is secured to the frame/front housing of the smartphone with a good amount of adhesive; it will require heat, and patience, to separate.

This procedure is recommended only on smartphones with a display assembly that is ALREADY DAMAGED. Use a heat gun or blow dryer to heat the adhesive securing the display assembly to the smartphone’s frame/front-housing.
16. To separate the Samsung display assembly from the frame/front housing, utilize one of the screwdrivers or the plastic opening tool and through the front-facing camera hole, while securely gripping the sides of the S4’s frame/front housing, carefully push the damaged display assembly away from the S4’s frame/front housing.

17. You can now use the nylon spudger or plastic opening tool to continue working around the Galaxy S4 display assembly slowly separating it from the frame/front housing. Be mindful of the home button assembly toward the bottom of the Samsung smartphone.

Home Button Assembly

18. With the S4 display assembly separated from the frame/front housing, you can utilize the flat end of the spudger to remove the home button assembly.
**Breakdown**

1. Samsung Galaxy S4 Frame/Front Housing
2. Samsung Galaxy S4 Back Cover
3. Samsung Galaxy S4 Display Assembly (LCD & Touch Screen)
4. Samsung Galaxy S4 Rear Housing
5. Samsung Galaxy S4 Battery
6. Samsung Galaxy S4 Motherboard
7. Samsung Galaxy S4 Home Button Assembly
8. Samsung Galaxy S4 Loud Speaker
9. Samsung Galaxy S4 Front Camera & Flex Cable
10. Samsung Galaxy S4 Earpiece Speaker Assembly
11. Samsung Galaxy S4 Headphone Jack Assembly
12. Samsung Galaxy S4 Rear Camera & Flex Cable
13. Samsung Galaxy S4 Dock Connector Assembly

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