This guide will show you how to disassemble the Samsung Galaxy S5 smartphone, assisting in making the repair of the device both simple and affordable. Following the detailed steps we have provided will help you safely replace not only a broken display assembly, but also any other internal components that may have become faulty or damaged.

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Battery

1. Insert the plastic opening tool in the notch in the back cover on the power button side of the Galaxy S5. Work your way around the entire smartphone, gently freeing the clips and removing the back cover.

2. Now, use the plastic opening tool to pry the battery up and out of its secured location.

Display Assembly (LCD & Touch Screen)

3. The S5 Display Assembly (LCD & Touch Screen) is fused together and cannot be separated. The display assembly is secured to the frame 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.
4. Next, insert the precision knife in the seam where the display assembly meets the frame. Separate the two pieces apart enough to fit a plastic triangle opening tool into the gap.

5. With liberal use of the heat gun or blow dryer, work around the perimeter of the S5. Use the triangle opening tools to keep the adhesive from coming back in contact.

6. As you near the home button side of the S5 display assembly, be cautious of the ribbon cables on either side of the home button. When prying around this area, make sure you do not sever the wires or you will have to replace the S5 dock port assembly.
7. Once the four sides of the display assembly are pried away from the frame/front housing, use the nylon spudger to separate the adhesive that secures the middle of the LCD to the frame/front-housing of the Galaxy S5.

8. Use the nylon spudger to remove the home button assembly from the display assembly. It is secured with a small amount of adhesive.

9. Next, lift the home button side (bottom) of the S5 display assembly away from the smartphone. This will reveal a final connection for you to release utilizing the fine tip curved tweezers.
10. Locate and remove the ten small Phillips screws (#00) that secure the rear housing to the Galaxy S5 (marked with orange circles).

11. Now locate and remove the three small Phillips screws (#00) that also secure the rear housing to the S5 (marked with orange circles).

12. Utilize the fine tip curved tweezers to release the series of clips that secure the front housing to the rear housing. The series of clips are located near the earpiece speaker.
13. Next, flip the Galaxy S5 over. Release the series of clips inside where the battery was located to separate the front and rear housing (marked with orange circles).

14. The front housing is snapped into the rear housing. Carefully grip, raise, and separate them from each other.

Headphone Jack & Flex Cable

15. Locate the Galaxy S5 headphone jack’s flex cable connection. Use the fine tip curved tweezers to peel up the flex ribbon cable, and then remove the headphone jack from its location.
Home Button Assembly

16. Locate the home button’s connection. Use the curved tweezers to peel up the its ribbon cable, and then remove the home button assembly from its location.

Rear-Facing Camera

17. Locate and remove the two small Phillips screws (#00) that secure the motherboard to the Galaxy S5 (marked with orange circles).

Next, locate the coaxial cable plug. Use the fine tip curved tweezers to pry it from its connector (marked with a white circle).

18. Lift the motherboard from the S5 housing (DO NOT REMOVE). There is a connection for the dock port assembly on the bottom of the motherboard. Use the tweezers to release the connection.

Now you can completely remove the motherboard from the Galaxy S5.
Front-Facing Camera

20. The front-facing camera has an identical connection to the rear-facing camera. Locate and pry up the front-facing camera from its location.

Dock Port Assembly

21. Lift and peel back the two cables for the bottom buttons. The dock port assembly is secured in place with adhesive. Use the nylon spudger to lift and remove the dock port assembly from its secured location.
Breakdown

1. Samsung Galaxy S5 Back Cover
2. Samsung Galaxy S5 Display Assembly (LCD & Touch Screen)
3. Samsung Galaxy S5 Rear Housing
4. Samsung Galaxy S5 Frame/Front Housing
5. Samsung Galaxy S5 Battery
6. Samsung Galaxy S5 Motherboard
7. Samsung Galaxy S5 Rear Camera
8. Samsung Galaxy S5 Front Camera & Flex Cable
9. Samsung Galaxy S5 Dock Connector Assembly
10. Samsung Galaxy S5 Headphone Jack & Flex Cable Assembly
11. Samsung Galaxy S5 Home Button Assembly

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