Motorola Nexus 6 DISASSEMBLE GUIDE

Recommended Tools

- 5-0006 T4 Torx Screwdriver
- 5-0019 Plastic Opening Tools
- 5-0022 Nylon Spudger
- 5-1342 SIM Card Ejection Tool
- 5-1370 Fine-Tip Curved Tweezers
- 5-1451 iSesamo Opening Tool
- 5-1665 Multi-Purpose Heat Gun

This comprehensive guide walks you through how to disassemble the Motorola Nexus 6 smartphone. Following the step-by-step DIY instructions we have provided will help you quickly, and safely, replace not only a broken display assembly (LCD and touch screen digitizer), but also any other internal components that may have become faulty or damaged.

You can find a full archive of fixez.com disassemble guides and HD repair videos, for numerous makes and models of smartphones and tablets, by visiting http://www.fixez.com.
1. Insert the SIM card ejection tool into the small hole located next to the headphone jack. Remove the Nano-SIM card tray from the Motorola Nexus 6.

2. Use a heat gun or blow dryer to lightly heat and soften the adhesive securing the rear battery cover to the Nexus 6 midframe.

   With the plastic opening tool, or a spudger, free the rear cover from the adhesive and remove it from the Motorola handset.

   Be mindful of the power and volume buttons ribbon cable located on the left side of the device.

3. To begin separating the midframe from the display assembly (LCD and Touch Screen) locate and remove the twenty-two T4 torx screws.
4. Next, insert an iSesamo opening tool, or plastic triangle opening tool, into the seam between the display assembly and the midframe.

Once you have a small gap, work your way around the entire Nexus 6 freeing the clips that hold the display assembly and midframe together.

5. On the left side of the device, locate and remove the single T4 torx screw.

Next, use the fine-tip curved tweezers to remove the silver bracket. Now, slide the power and volume buttons out from the side of the Nexus 6 smartphone.
Interconnect Cable (Connects the Power and Volume Button Ribbon Cable to the Motherboard)

6. Remove the black rubber cover from the top left corner of the device to reveal and disconnect the interconnect cable’s connection to the motherboard.

Next, use the spudger to lift the clasp and disconnect the power and volume buttons ribbon cable from the bottom of the interconnect cable.

You can now carefully pry up the interconnect ribbon cable from the adhesive securing it to the midframe, and then remove it from the Motorola Nexus 6.

Battery and Inductive Charger

7. With the fine-tip curved tweezers remove the black rubber cover protecting the battery’s connection.

With the cover removed, use the nylon spudger to disconnect the Nexus 6 battery.
8. Next, lift the black tape and inductive charger ribbon cable away from the Nexus 6 battery. Then with the nylon spudger gently pry the battery away from the inductive charger and midframe.

9. Now, use the fine-tip tweezers to remove the inductive charger connection from the adhesive securing it to the top of the midframe.

With the connection freed, carefully separate the inductive charger from the Nexus 6 midframe.
10. Use the fine-tip curved tweezers to pry the earpiece speaker up and out of the midframe.

Next, insert the fine-tip curved tweezers into the headphone jack and apply upward pressure. This will free the headphone jack from the adhesive securing it to the Nexus 6 midframe.

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11. With the iSesamo opening tool, start at the top of the rear-facing camera lens cover and carefully pry it away from the midframe.

Next, lift up both flash LED’s from the adhesive securing them in place. Then, turn the midframe over and use the fine-tip curved tweezers to lift up the contacts.

You can now slide the contact side of the ribbon cable through the slot and remove it from the Nexus 6 midframe.

*(pictures continued on next page)*
12. Lift up the metal bracket holding the power and volume button ribbon cable in place. Now, with the fine-tip curved tweezers, remove the Nexus 6 power and volume buttons ribbon cable from the midframe.
13. With the fine-tip curved tweezers disconnect and remove the front-facing camera from the back of the Nexus 6 display assembly.

Next, remove the Kapton tape from over the top of the rear-facing camera connection. Now, use the nylon spudger to lift the clasp up and slide the ribbon cable out of the connection.

You can now remove the rear-facing camera from the Nexus 6 handset.
14. Locate and remove the T4 torx screw and small metal bracket that secure the motherboard to the Nexus 6 LCD Assembly.

15. Locate and remove the piece of kapton tape that covers the touch screen digitizer connection.

Next, use the nylon spudger to lift the clasp up and slide the ribbon cable out of the connection. Gently pry up the digitizer ribbon cable from the motherboard.

Now, remove the piece of kapton tape that covers the LCD connection, it is located on the left side of the motherboard. With the nylon spudger, lift the clasp up and slide the ribbon cable out of the connection.

You can now carefully separate the motherboard from the display assembly. Make sure to maneuver the motherboard around the touch screen digitizer and LCD ribbon cables when separating it from the display assembly.

*(pictures continued on next page)*
16. With the iSesamo opening tool pry the Nexus 6 loudspeaker from the bottom of the motherboard.
The Motorola Nexus 6 is now fully disassembled.

1. Motorola Nexus 6 Display Assembly (LCD and Touch Screen)
2. Motorola Nexus 6 Motherboard
3. Motorola Nexus 6 Midframe
4. Motorola Nexus 6 Rear Battery Cover
5. Motorola Nexus 6 Battery
6. Motorola Nexus 6 Rear-Facing Camera
7. Motorola Nexus 6 Front-Facing Camera
8. Motorola Nexus 6 Flash Ribbon Cable
9. Motorola Nexus 6 Battery Inductive Charger
10. Motorola Nexus 6 Headphone Jack
11. Motorola Nexus 6 Earpiece Speaker
12. Motorola Nexus 6 Loudspeaker
13. Motorola Nexus 6 Power and Volume Buttons Cable
14. Motorola Nexus 6 Interconnect Ribbon Cable

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