

motorola  
*a lenovo company*

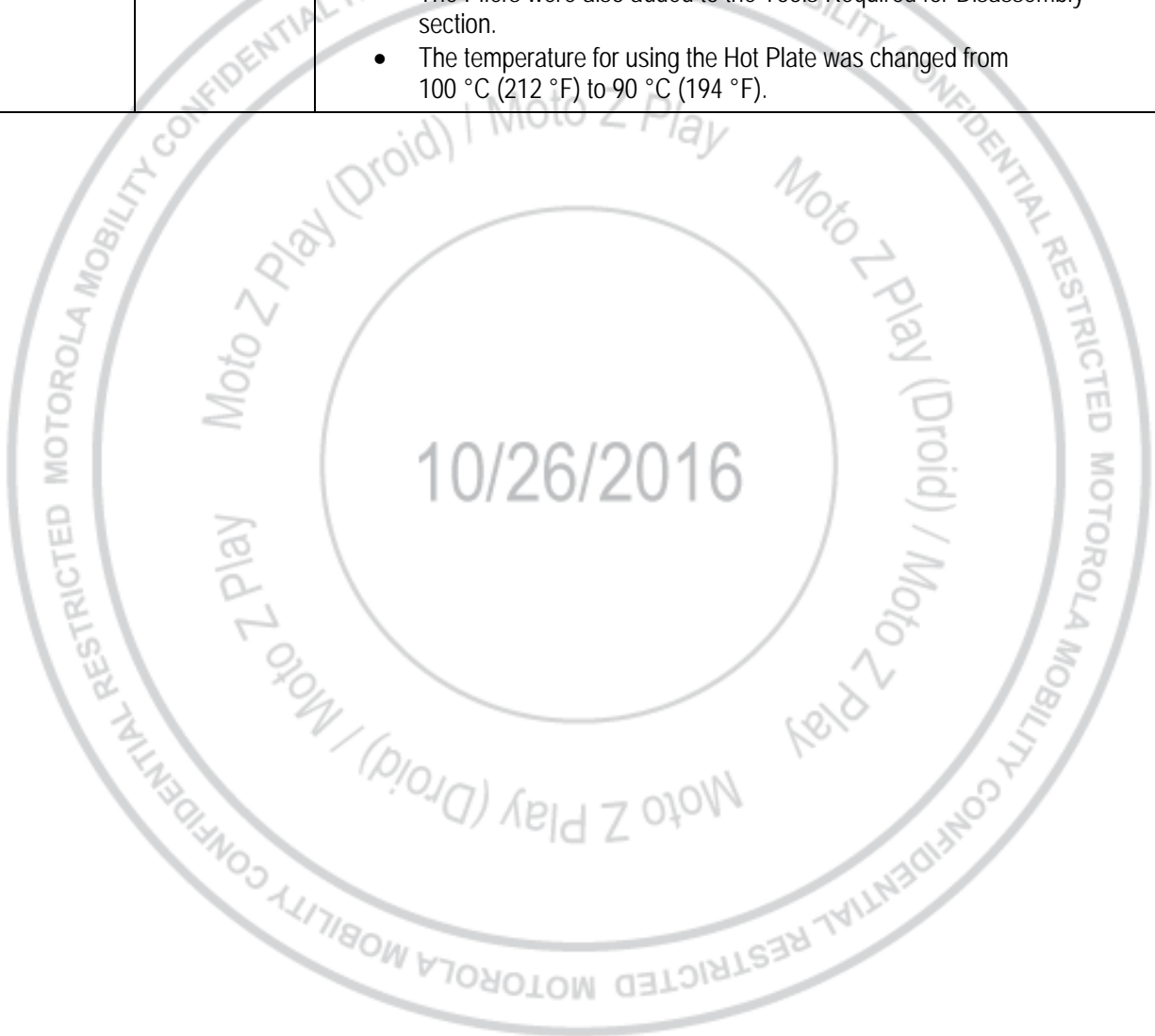
# Moto Z Play (Droid) / Moto Z Play



## Moto Z Play (Droid) / Moto Z Play Level 2 – Service and Repair Manual

# REVISION HISTORY

Revision	Date	Notes
1	09/13/2016	Initial release.
2	10/26/2016	<ul style="list-style-type: none"><li>Exploded View part descriptions were updated to reflect the latest SBOM, Version 1.5.</li><li>The Display Removal section was updated as follows:<ul style="list-style-type: none"><li>An additional method was added for separating the Display from the Housing using AGPTEK® LCD Screen Opening Pliers (IP0092-160315). The Pliers were also added to the Tools Required for Disassembly section.</li><li>The temperature for using the Hot Plate was changed from 100 °C (212 °F) to 90 °C (194 °F).</li></ul></li></ul>



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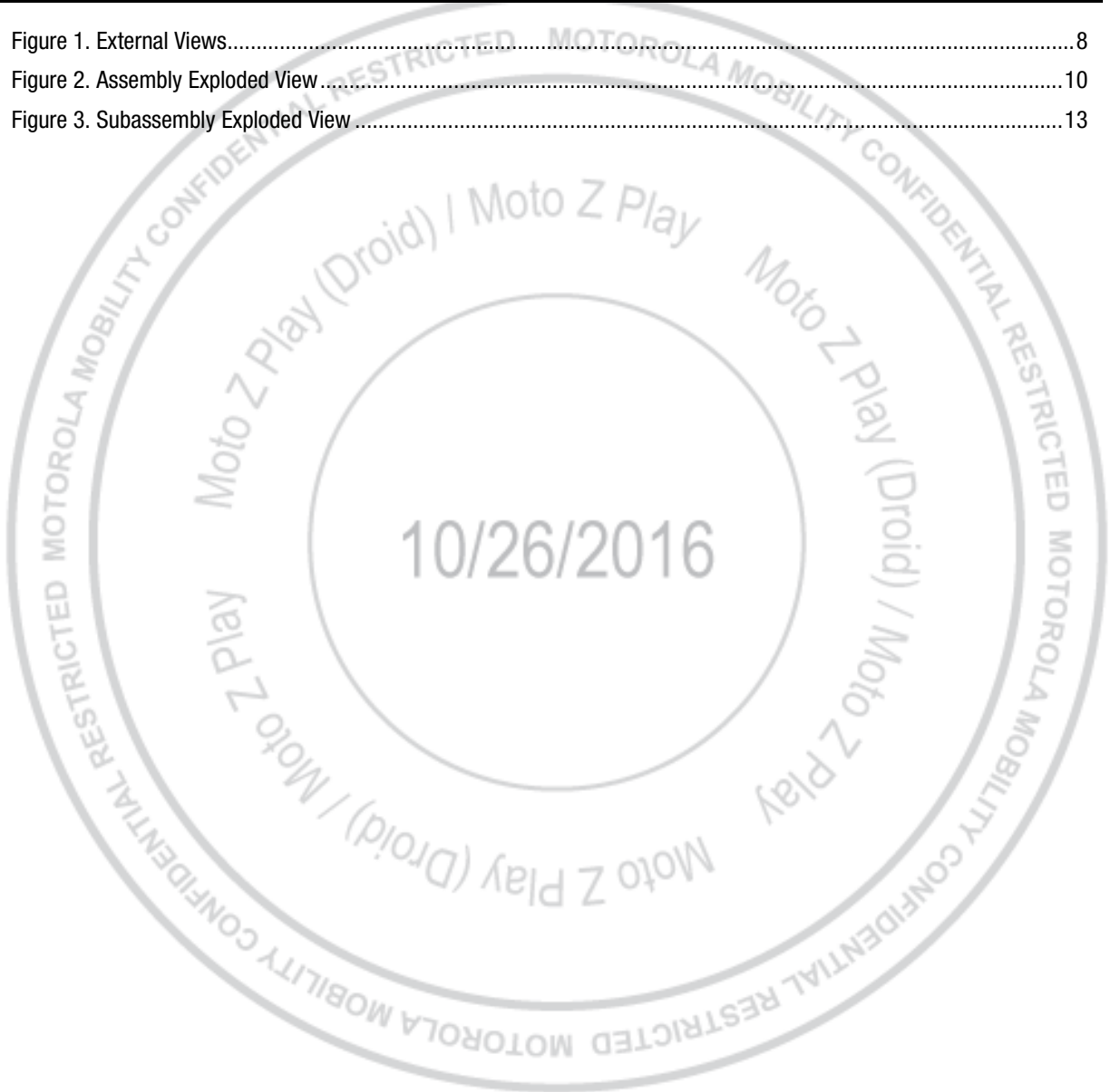


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# SAFETY INFORMATION

## Cautions and Warnings

### Electrostatic Discharge

The phone components may be damaged by electrostatic discharge (ESD). Always use an ESD mat and ground strap when working with internal components.

### Battery Safety Guidelines

Handle Battery with care. Ensure Battery edges and surfaces are not dented or deformed. If the Battery Pack is dropped to the floor, it may be internally damaged and must be scrapped.

Ensure all surfaces, fixtures, and phone components contacting the Battery are smooth and clean.

- Ensure Battery and its insulation are not damaged (e.g. scratched, dented, punctured) prior to and throughout assembly.
- Prior to assembly, ensure Battery edges and surfaces are not dented or deformed, and that fixtures and parts that will contact the Battery are free of foreign material.
- Ensure screws and screwdrivers do not contact the Battery.
- Failure to adhere to Safety Critical Note(s) may increase risk of rupture, burning, or failure to function safely when used by the customer.

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# INTRODUCTION

## External Views

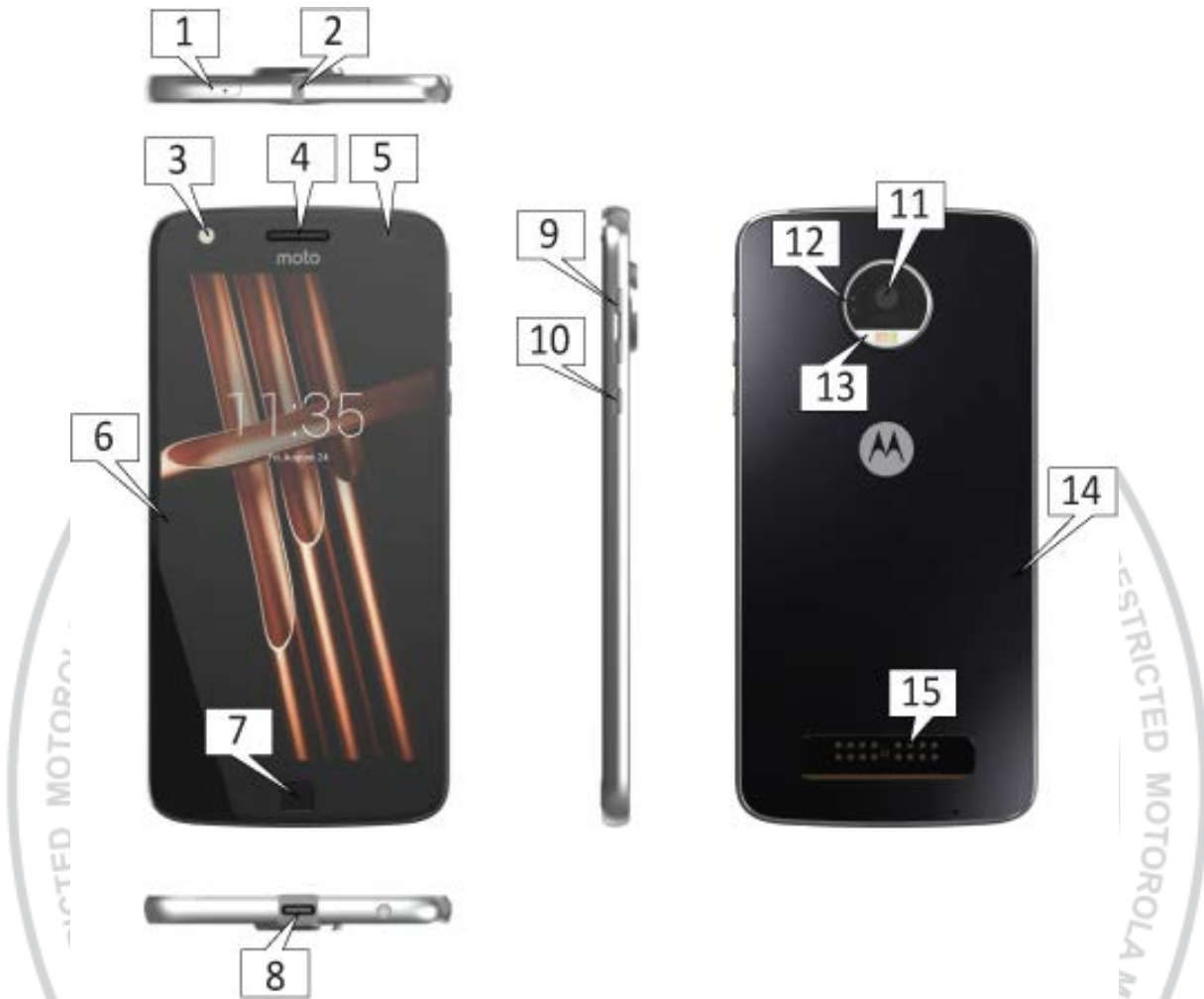


Figure 1. External Views

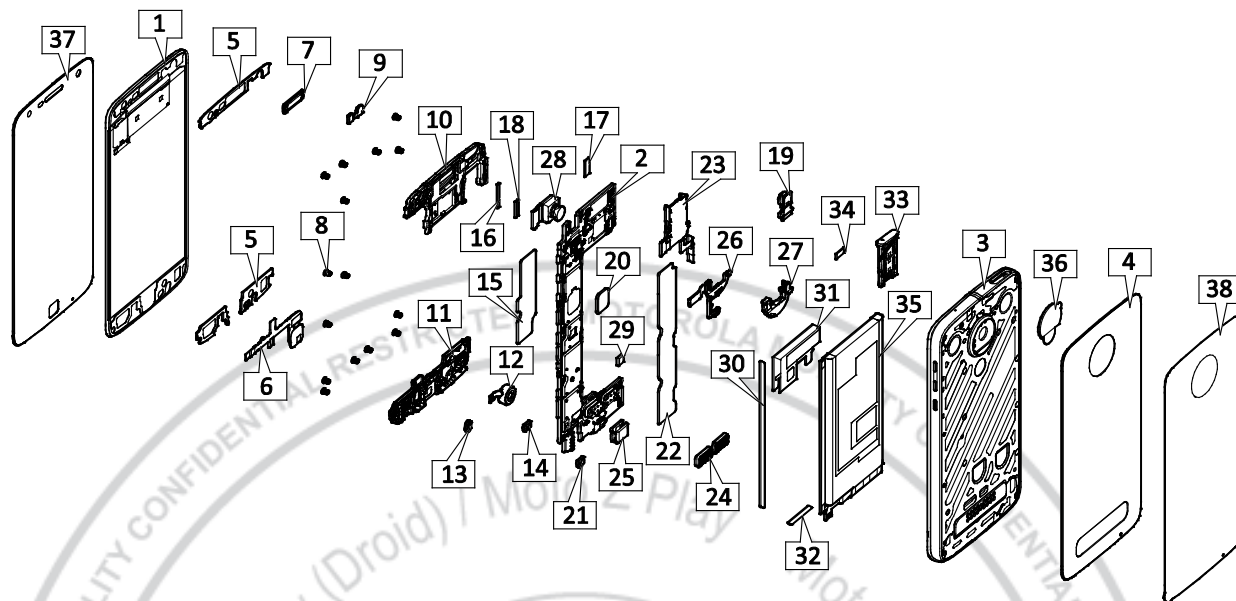


**Table 1. External Views Parts List**

<i>Reference #</i>	<i>Description</i>
1	SIM/SD Card Tray
2	Antenna
3	Front-Facing LED Flash
4	Audio Bezel
5	Front-Facing Imager
6	Display Lens
7	Fingerprint Sensor
8	USB Type-C Port
9	Volume Keys
10	Power Key
11	Rear-Facing Imager
12	Rear-Facing Imager Bezel
13	Rear-Facing LED Flash
14	Rear Inlay
15	Moto Mods™ Connector

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## Exploded Views



**Figure 2. Assembly Exploded View**

**Table 2. Exploded View Parts List**

Reference #	Description	Recovery Part
1	ASSY,HSG,LENS/DISPLAY,BLACK,PRODUCTION,2.5D,ADDISON ASSY,HSG,LENS/DISPLAY,WHITE,PRODUCTION,2.5D,ADDISON	YES
2	ASSY,PWA,XCVR,VERTEX 3/32 – R ASSY,PWA,XCVR,VERTEX 3/32 – CN ASSY,PWA,XCVR,VERTEX 2/16 – VZW	YES

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Reference #	Description	Recovery Part
3	ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	YES
4	CVR,GLS INLAY,DECORATED,BLACK,ADDISON CVR,GLS INLAY,DECORATED,WHITE,ADDISON	YES
5	DIE CUT,ADHESIVE,MAIN LENS BND	NO
6	ASSY,FLXCKT,FINGER PRINT SENSOR,BLACK,O-FILM,ADDISON ASSY,FLXCKT,FINGER PRINT SENSOR,ADDISON ASSY,FLXCKT,FINGER PRINT SENSOR,WHITE,O-FILM,ADDISON ASSY,FLXCKT,FINGER PRINT SENSOR,WHITE,CRUCIALTEC,ADDISON	YES
7	ASSY,HSG,AU DECO BEZEL,BLACK,ADDISON ASSY,HSG,AU DECO BEZEL,WHITE,ADDISON	NO
8	SCR,M1.4,ENDO, 3.6	NO
9	ASSY,HSG,FRNT FLSH MODULE,ADDISON ASSY,HSG,FRNT FLSH MODULE,WHITE, ADDISON	YES
10	ASSY,HSG,TOP ACSTC CARRIER,ADDISON	YES
11	ASSY,HSG,BOT ACSTC CARRIER,ADDISON	YES
12	ASSY,HSG,LINEAR VIBRATOR,ADDISON	YES
13	SCRN,MESH,MIC 1,WHITE,ADDISON SCRN,MESH,MIC 1,ADDISON	NO
14	GROM,MIC-1,ADDISON	YES
15	DIE CUT,HT SPREADER,FRONT,ADDISON	NO

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Reference #	Description	Recovery Part
16	OVRLY,SHEET DISP FLX SHIM	NO
17	DIE CUT,KAPTON, UNIVERSAL, 10 X 4	NO
18	OVRLY,SHEET REAR CAM FLX SHIM	NO
19	ASSY,CAMR,5MP,FRONT IMGR	YES
20	DIE CUT,COP BLOCK,MSM,ADDISON	NO
21	GROM,MIC-3,ADDISON	YES
22	DIE CUT,HT SPREADER,REAR,ADDISON	NO
23	ASSY,FLXCKT,SD/SIM CARD,ADDISON	YES
24	GROM,ACCY CONT PUCK GROM,ACCY CONT PUCK,FINE GLD	YES
25	GROM,USB,ADDISON	YES
26	ASSY,PWA,REAR FLSH LED,ADDISON ASSY,HSG,REAR FLSH FLEX,ADDISON	YES
27	ASSY,HSG,REAR FLSH FLX HOLDER,ADDISON	YES
28	IMGR MDL,CMOS,16MP,10.5X10.5X6.0,MIPI,6P,1/2.3,LAND,2.8V IMGR MDL,CMOS,16MP,10.59X10.59X5.80,MIPI	YES
29	DIE CUT,THRM PAD,PMI,ADDISON	NO
30	DIE CUT,TAPE,BATTERY STIFNR LONG	NO
31	DIE CUT,TAPE,BATTERY PULL TAB	NO
32	DIE CUT,TAPE,BATTERY STIFNR SHORT	NO
33	ASSY,HSG,DL SIM TRAY,SILVER,ADDISON ASSY,HSG,DL SIM TRAY,FINE GOLD,ADDISON	YES
34	DIE CUT,KAPTON, UNIVERSAL, 7 X 3	NO
35	ASSY,BAT,LI POLY,GL40,3600MAH,ATL ASSY,BAT,LI POLY,GL40,3600MAH,SONY	YES
36	ASSY,HSG,REAR IMGR LENS,ROW,IR, ADDISON ASSY,HSG,REAR IMGR LENS,VZW,IR, ADDISON	NO
37	DIE CUT,PROT LNR,CLING AR	NO
38	DIE CUT,LINER,PROTECTIVE,P2I,ADDISON	NO

\*Refer to this table as a reference to parts listed in the [Assembly](#) section.

Figure 3. Subassembly Exploded View

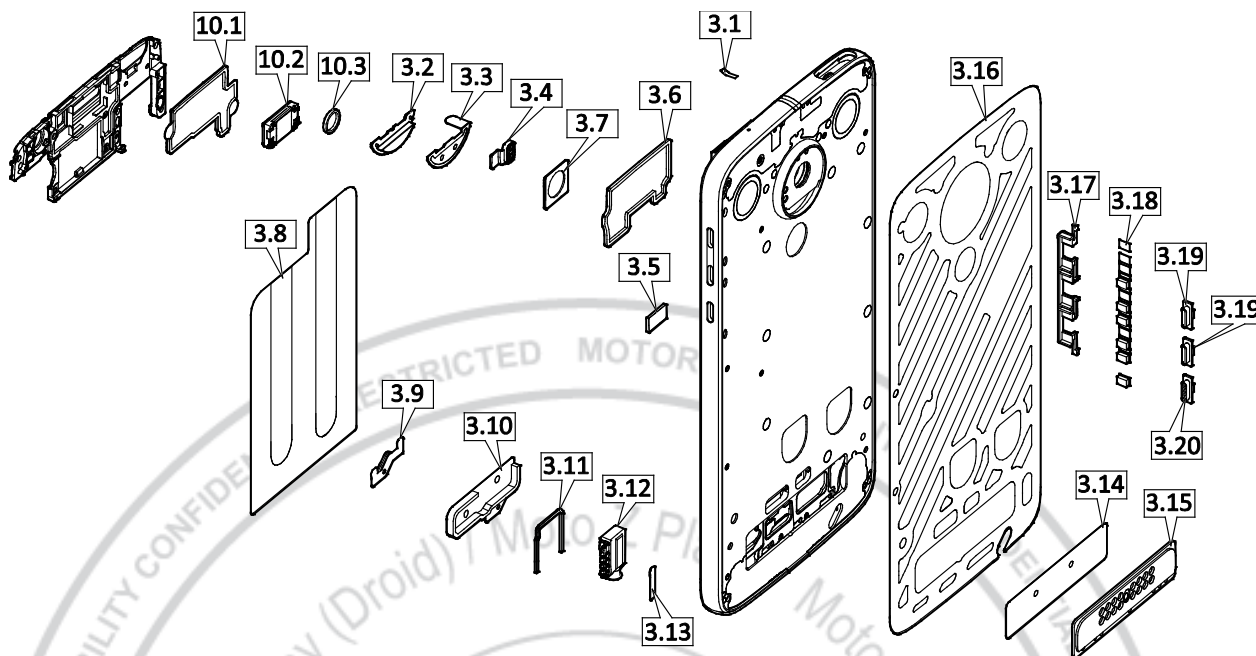


Table 3. Subassembly Exploded View Parts List

Reference #	Description	Recovery Part
10.1	PAD,SPKR SEAL,TOP SIDE,ADDISON	NO
10.2	LOUD,SPEAKER,9X16X3	NO
10.3	PAD,FF 5MP IMAGER,ADDISON	NO
3.1	SCRN,MIC-2,MESH,ADDISON	NO
3.2	LENS,REAR FLASH, ADDISON	NO
3.3	DIE CUT,ADHES,REAR FLSH LENS	NO
3.4	GROM,CAP,RUBBER,LASER FOCUS MDL	YES
3.5	PAD,REAR FLSH FLEX,ADDISON	NO
3.6	PAD,SPKR SEAL,BOTTOM SIDE,ADDISON	NO
3.7	PAD,REAR FACING IMAGER,16MP	NO
3.8	DIE CUT,ADHES,BATTERY, ADDISON	NO
3.9	SCRN,MIC-3,MESH, ADDISON	NO
3.10	PAD,CONDUCTIVE,ACCY CONTACT,ADDISON	NO
3.11	PAD,HSJ SEAL REAR,ADDISON	NO

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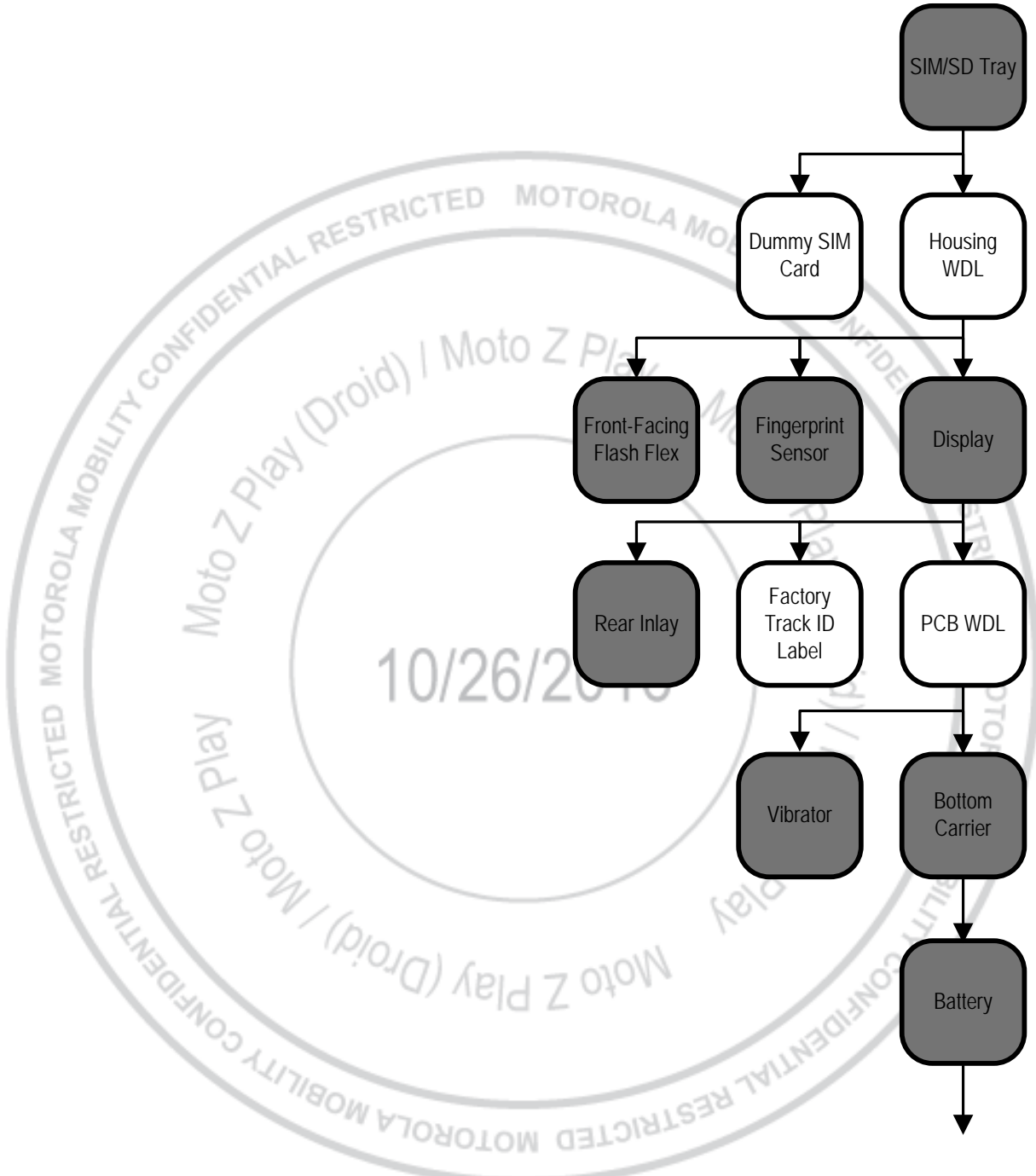
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<i>Reference #</i>	<i>Description</i>	<i>Recovery Part</i>
3.12	CONN,JACK, HEADSET, 3.5 MM DIA	YES
3.13	DIE CUT,ADHES,3.5MM HSJ,ADDISON	NO
3.14	DIE CUT,ADHES,ACCY CONTACTS BEZEL,ADDISON	NO
3.15	ASSY,MET BEZEL,ACCY CONTACTS,BLACK,ADDISON	YES
3.16	DIE CUT,ADHESIVE,INLAY,ADDISON	NO
3.17	HSG,HOLDER,SIDE BUTTON,ADDISON	YES
3.18	PAD,SIDE BUTTON,ADDISON	NO
3.19	BTN,SIDE,VOLUME,SILVER,ADDISON BTN,SIDE,VOLUME,FINE GOLD,ADDISON	YES
3.20	BTN,SIDE,POWER,SILVER,ADDISON BTN,SIDE,POWER,FINE GOLD,ADDISON	YES

\*Refer to this table as a reference to parts listed in the [Assembly](#) section.

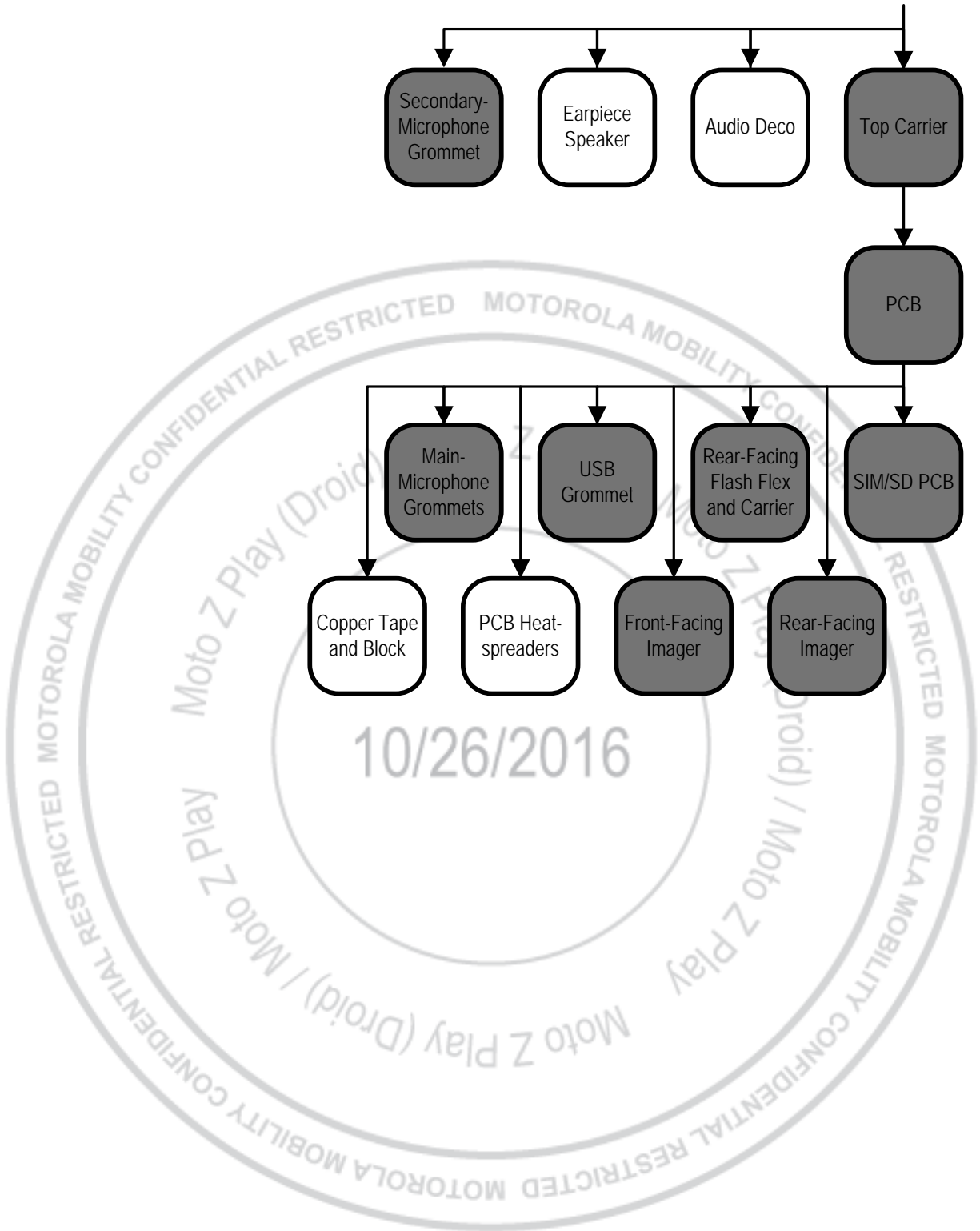
# DISASSEMBLY AND RECOVERY

## Disassembly and Recovery Map



\*Shaded parts may be eligible for parts recovery.

\*\*Disassembly and Recovery Map continued on the next page.





## Tools Required for Disassembly

The following tools are required to disassemble the Moto Z Play (Droid) / Moto Z Play phone.

Description	Part #	Picture / Drawing
Addison Main Lens Removal Fixture	3-00-J1-10000	 <p>Fixture Top</p>  <p>Fixture Bottom</p>
Generic Lens Removal Fixture* (Optional – For use in the Display Removal if the AGPtEK® LDC Screen Opening Pliers are not available)	4-00-X2-10000 (220V) / 4-00-X7-10000 (115V)	
Vacuum O-Ring**	4-00-A2-10000 (19506580)	
Addison Lens Adhesive Heating Plate	3-00-J8-10000	
Addison Inlay Adhesive Heating Plate	3-00-L2-10000	

Description	Part #	Picture / Drawing
"7x7" Hot Plate*** (Optional)	--	
SIM Tray Removal Tool	4-00-U2-10000	
Metal Shim Tool – 0.05 mm and X-Acto Handle	3-00-K3-10000	
AGPIEK® LCD Screen Opening Pliers (Optional – For use in the Display Removal if the Generic Lens Removal Fixture is not available)	IP0092-160315	
Blackstick	--	
Thin Corner Snap Stick	4-00-Q3-10000	
3IP Torx Bit	--	
Torque Driver (Adjustable)	--	
Thin Plastic Spudger	0-00-00-40826	
Tweezers (Plastic or Plastic-Tipped)	--	--
Tweezers (Metal)	--	--

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<i>Description</i>	<i>Part #</i>	<i>Picture / Drawing</i>
ESD Mat and Wrist Strap	--	--
Gloves or Finger Collets	--	--
Isopropyl (ISP) Alcohol	--	--

\*Generic Lens Removal Fixtures 4-00-X2-10000 and 4-00-X7-10000 are identical tools. The only difference is the voltage rating. Either the 220V 4-00-X2-10000 or the 115V 4-00-X7-10000 can be used with the Addison Main Lens Removal Fixture (3-00-J1-10000).

\*\*Sets of 5 Vacuum O-Rings (19506580) are available under the package part number 4-00-A2-10000.

\*\*\*Either a 220V or the 110V Hot Plate can be used with the Addison Lens Adhesive Heating Plate (3-00-J8-10000) and Addison Rear Inlay Adhesive Heating Plate (3-00-L2-10000).



## SIM/SD Tray Removal

### NOTE

The SIM/SD Tray can be recovered and reused after removal.



1. Insert the SIM Tray Removal Tool (4-00-U2-10000) into the SIM/SD Tray hole.
2. Push the SIM Tray Removal Tool into the SIM/SD Tray hole until the SIM/SD Tray ejects from the phone.
3. Remove the SIM/SD Tray from the phone.



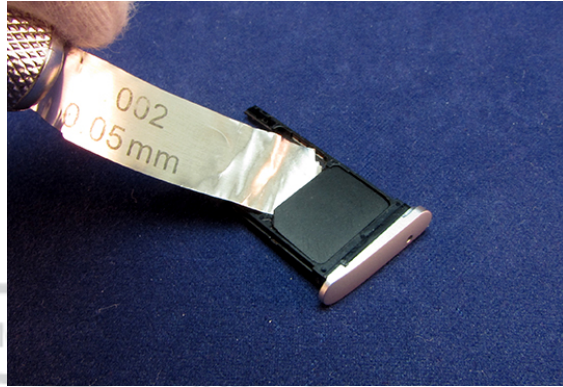
## Dummy SIM Card Removal

### NOTE

After you remove the Dummy SIM Card, you cannot reuse it.

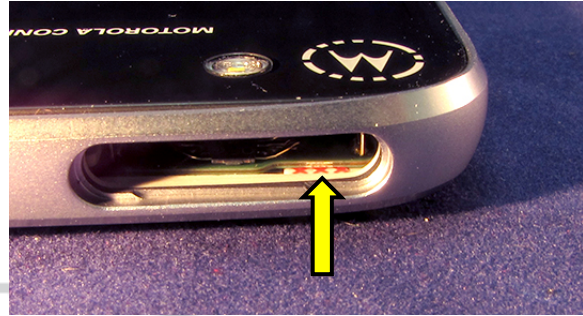


Slide the Metal Shim Tool (3-00-K3-10000) under the Dummy SIM Card to separate the adhesive from the SIM/SD Tray.



## Housing Water Detection Label Inspection

Inspect the Housing Water Detection Label (WDL), visible through the SIM/SD Tray. Verify it is correctly placed, and inspect it for signs of activation.



## Display Removal

### NOTE

The Display can be recovered and reused after removal if the Lens is not damaged.



Remove the Display Liner, if present.



### Separation Method A

### NOTE

If the Generic Lens Removal Fixture and Sheridan Main Lens Removal Fixture are not available, get approval from the regional technical support team to use Separation Method B on page 28.

1. Place the Addison Lens Adhesive Heating Plate (3-00-J8-10000) on the Hot Plate.
2. Set the Hot Plate to 90 °C (194 °F).

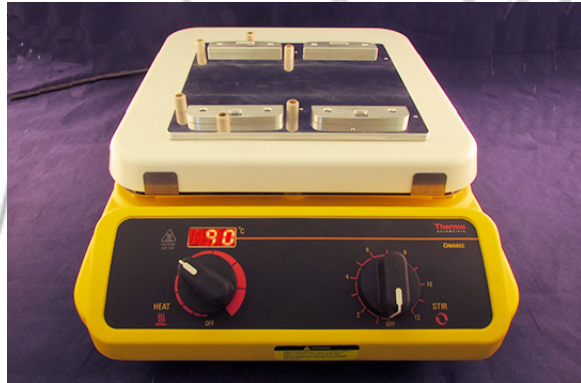
### // CAUTION //

Do not set the Hot Plate temperature higher than 90 °C (194 °F). Damage to the phone may occur.

3. Wait 10-15 minutes for the Hot Plate to warm up.
4. Place the phone in the Heating Plate, with the Display side down.
5. Wait 10 minutes for the Display to warm up.
6. Remove the phone from the Heating Plate.

### // CAUTION //

Wear protective gloves when handling heated phones.



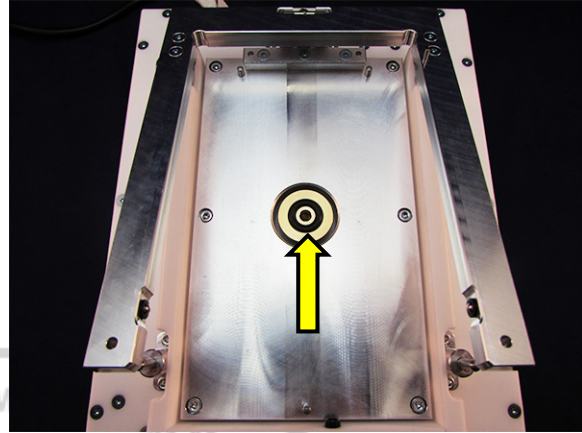
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7. Verify that the Vacuum O-Ring (4-00-A2-10000) is positioned in the Generic Lens Removal Fixture (4-00-X2-10000/4-00-X7-10000) as shown.

#### NOTE

The Generic Lens Removal Fixture vacuum will not perform correctly if the Vacuum O-Ring is not in position.



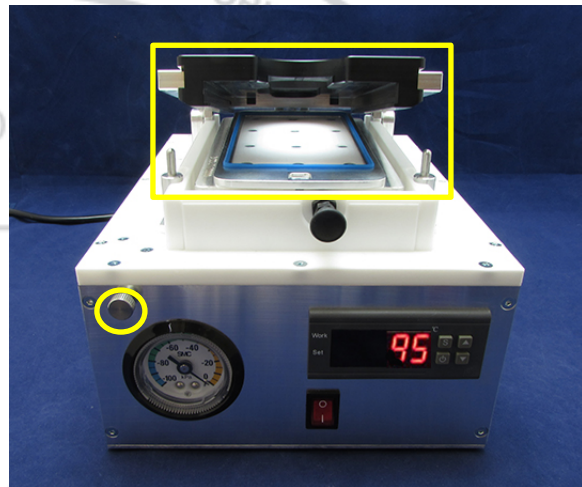
8. Place the Addison Main Lens Removal Fixture (3-00-J1-10000) into the Generic Lens Removal Fixture.
9. Press the black Power Switch (not shown) on the back of the Generic Lens Removal Fixture to turn the fixture ON.
10. Turn the Vacuum Knob (circled) clockwise until it stops.
11. Wait 5-10 minutes for the Generic Lens Removal Fixture to warm up to 95 °C (203 °F).

#### // CAUTION //

Damage to the assembly may occur if the Generic Lens Removal Fixture is not warmed up to operating temperature before use.

#### NOTE

If the controller on the Generic Lens Removal Fixture must be adjusted, see the user manual on page 122.





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- Place the phone in the Main Lens Removal Fixture with the Display facing down and the USB Port facing the front of the fixture.



- Press down on the Main Lens Removal Fixture and press the red button to turn on the Vacuum Pump.



- Hold the Main Lens Removal Fixture down until the gauge reaches -60 kPa. When the gauge reaches -60 kPa, remove your hand from the Lens Removal Fixture.



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15. Wait 3 minutes for the Display to warm up.
16. Press the red button to turn off the Vacuum Pump.
17. Turn the Vacuum Knob counter-clockwise to release the vacuum.
18. Remove the phone from the Lens Removal Fixture.

#### // CAUTION //

Wear protective gloves when handling heated parts.

19. Insert the Metal Shim Tool (3-00-K3-10000) between the Display and the Housing.

#### // CAUTION //

Do not insert the Metal Shim Tool deeper than 1 mm. Deeper insertion may separate the Display and Lens and cause damage. It can also risk tearing the Fingerprint Sensor (FPS) Flex.

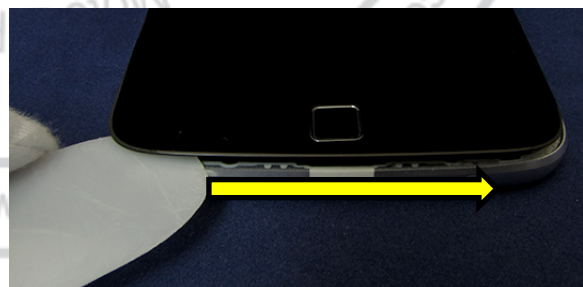
20. Slide the Metal Shim Tool along the edge of the Display.

21. Insert the Thin Plastic Spudger under the Metal Shim Tool.

#### // CAUTION //

Do not insert the Thin Plastic Spudger deeper than 1 mm. Deeper insertion may separate the Display and Lens and cause damage. It can also risk tearing the FPS Flex.

22. Slide the Thin Plastic Spudger along the edge of the Display.



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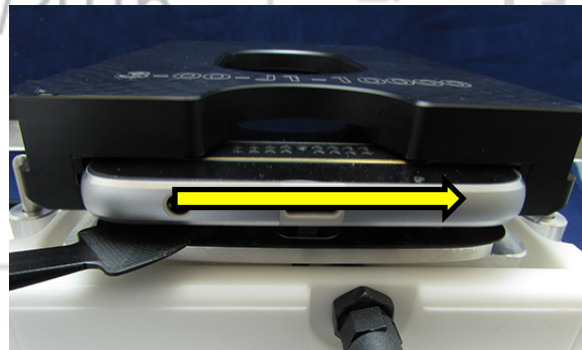
23. Place the phone back in the Main Lens Removal Fixture.



24. Press down on the Main Lens Removal Fixture and press the red button to turn on the Vacuum Pump.
25. Hold the Main Lens Removal Fixture down until the gauge reaches -60 kPa. When the gauge reaches -60 kPa, remove your hand from the Lens Removal Fixture.



26. Wait 3 minutes for the Display to warm back up.
27. Insert the Thin Corner Snap Stick (4-00-Q3-10000) between the Display and the Housing.



#### // CAUTION //

Do not insert the Thin Corner Snap Stick deeper than 1 mm. Deeper insertion may separate the Display and Lens and cause damage. It can also risk tearing the FPS Flex.

- Slide the Thin Corner Snap Stick along the edge of the Display until the Display separates and the Main Lens Removal Fixture springs up.

**NOTE**

The lid on the Generic Lens Removal Fixture is spring loaded, and will automatically open when the Display is separated from the Housing.

- Press the red button to turn off the Vacuum Pump.
- Turn the Vacuum Knob counter-clockwise to release the vacuum.
- Remove the phone from the Lens Removal Fixture.

**// CAUTION //**

Wear protective gloves when handling heated parts.

**Separation Method B**

**NOTE**

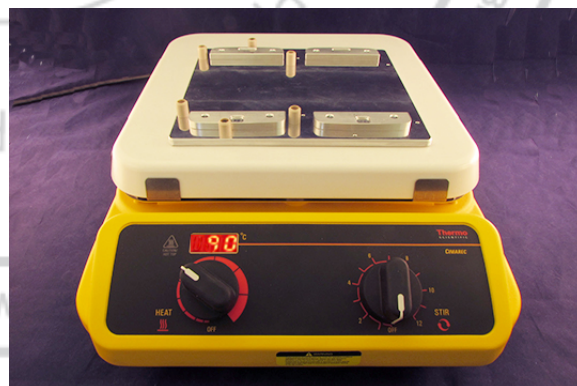
Only follow this method if the Generic Lens Removal Fixture and Addison Main Lens Removal Fixture are not available, and you have approval from the regional technical support team.

- Place the Addison Lens Adhesive Heating Plate (3-00-J8-10000) on the Hot Plate.
- Set the Hot Plate to 90 °C (194 °F).

**// CAUTION //**

Do not set the Hot Plate temperature higher than 90 °C (194 °F). Damage to the phone may occur.

- Wait 10-15 minutes for the Hot Plate to warm up.



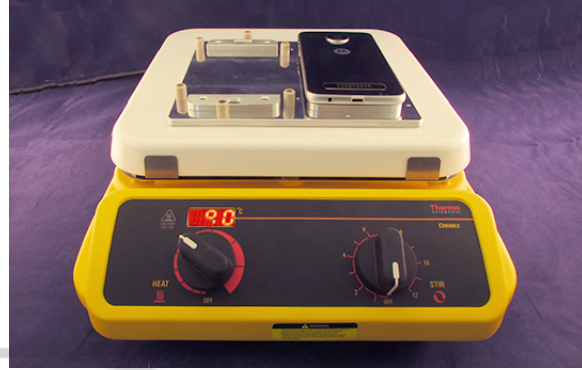
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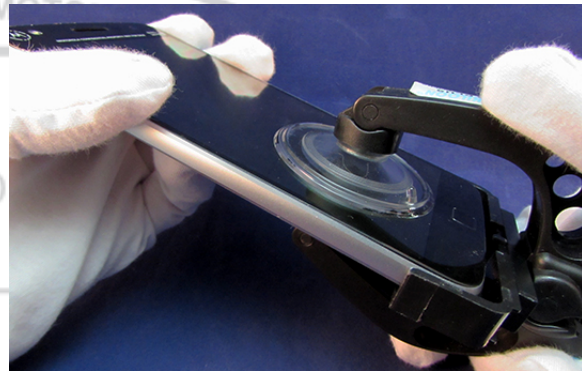
4. Place the phone in the Heating Plate, with the Display side down.
5. Wait 10 minutes for the Display to warm up.
6. Remove the phone from the Heating Plate.

#### // CAUTION //

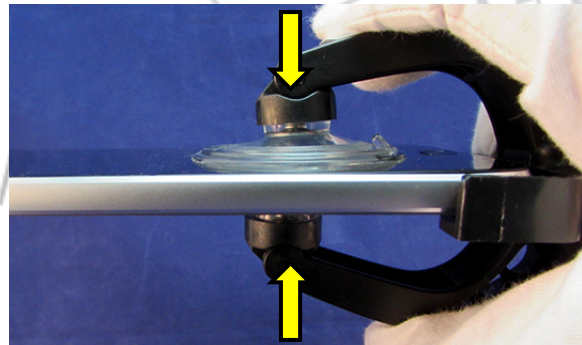
Wear protective gloves when handling heated phones.



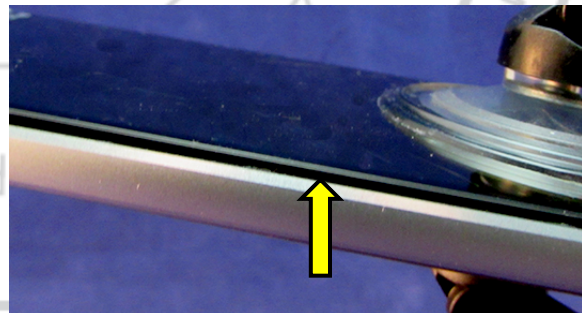
7. Place the phone into the adjustable holder of the AGPtEK® LCD Screen Opening Pliers (IP0092-160315).
8. Verify the Display side is up and the Fingerprint Sensor (FPS) is toward the Plier handles.



9. Press the Plier suction cups firmly to attach them to the phone.



10. Squeeze the Plier handles until there is enough of a gap between the side of the Display and the Housing to insert the Metal Shim Tool (3-00-K3-10000).



#### TIP

If the suction cups detach from the phone before there is a gap, repeat steps 9-10.

## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

11. Insert the Metal Shim Tool in the gap between the Display and the Housing.

#### // CAUTION //

Do not insert the Metal Shim Tool deeper than 1 mm. Deeper insertion may separate the Display and Lens and cause damage.



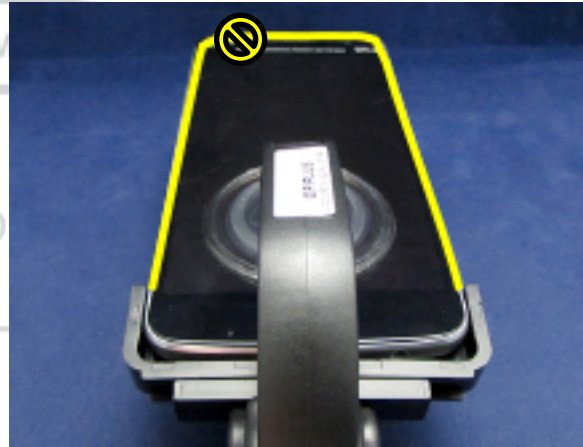
12. Slide the Metal Shim Tool around the highlighted perimeter of the Display.

#### // CAUTION //

Do not insert the Metal Shim Tool deeper than 1 mm at the indicated location. Deeper insertion may damage the Front-Facing Flash Flex.

#### NOTE

Remove the phone from the Pliers and repeat steps 4-6 to reheat the phone as needed.



13. Remove the Metal Shim Tool.
14. Insert the Thin Plastic Spudger in the gap between the Display and the Housing.

#### // CAUTION //

Do not insert the Thin Plastic Spudger deeper than 1 mm. Deeper insertion may separate the Display and Lens and cause damage.



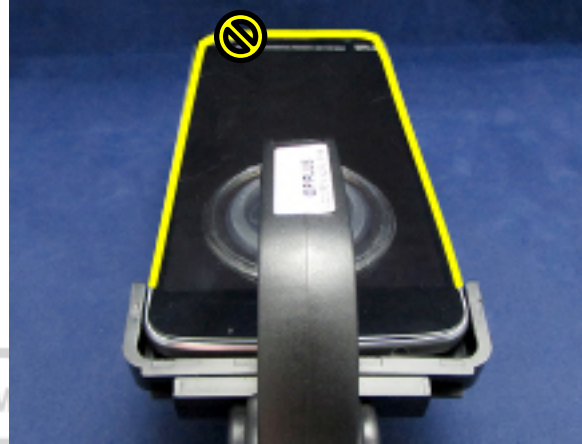
15. Slide the Thin Plastic Spudger around the highlighted perimeter of the Display.

**// CAUTION //**

Do not insert the Thin Plastic Spudger deeper than 1 mm at the indicated location. Deeper insertion may damage the Front-Facing Flash Flex.

**NOTE**

Remove the phone from the Pliers and repeat steps 4-6 to reheat the phone as needed.



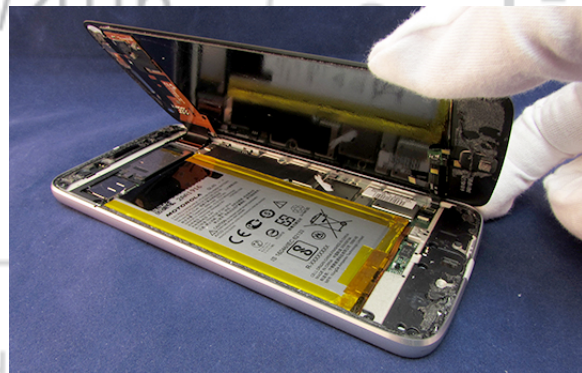
**Display Removal Completion**

1. Use the Thin Plastic Spudger to separate the remaining adhesive from the SIM/SD Tray side of the phone.

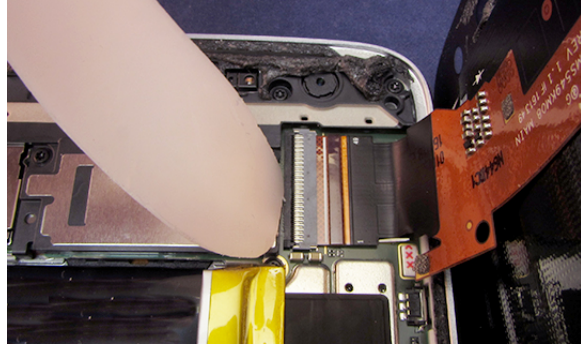
**// CAUTION //**

Do not insert the Thin Plastic Spudger deeper than 1 mm. Deeper insertion may separate the Display and Lens and cause damage. It can also damage the Front-Facing Flash Flex.

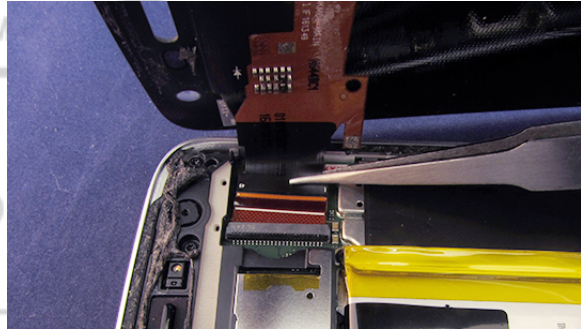
2. Lift the left edge of the Display away from the Housing.



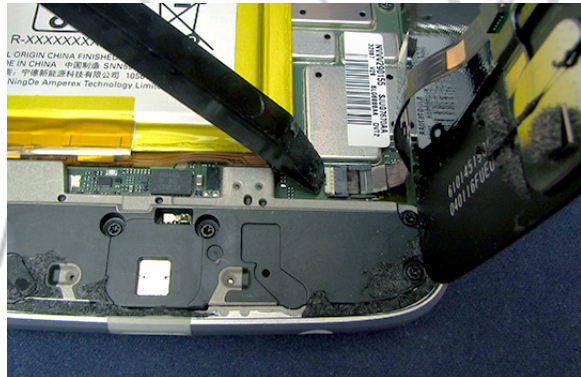
3. Use the Thin Plastic Spudger to open the Display Flex ZIF Connector Door.



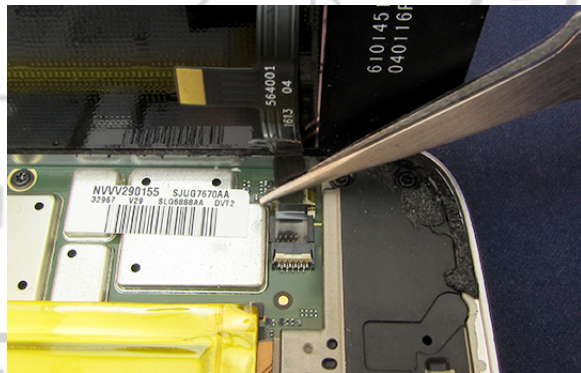
4. Use the Tweezers to remove the Display Flex from the ZIF Connector.



5. Use the flat end of the Blackstick to open the FPS Flex ZIF Connector Door.



6. Use the Tweezers to remove the FPS Flex from the ZIF Connector.



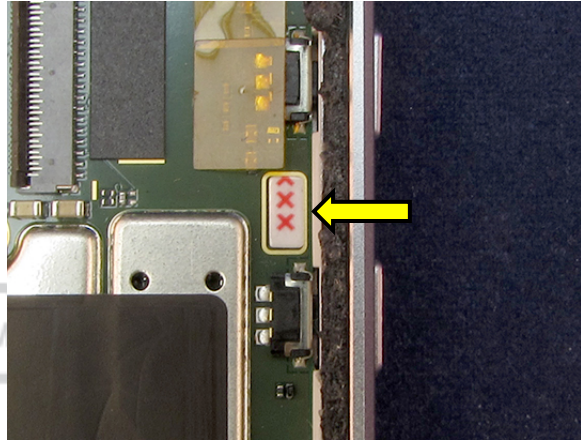


7. Lift the Display away from the Housing.



## PCB WDL Inspection

Inspect the PCB WDL, visible near the upper right corner of the PCB, to the left of the Volume Keys. Verify it is correctly placed, and inspect it for signs of activation.



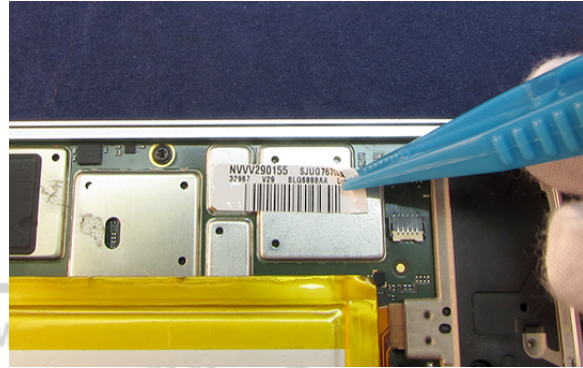
## Factory Track ID Label Removal

### NOTE

After you remove the Factory Track ID Label, you cannot reuse it. You will need to reprint and assemble a new label.



Use the Plastic Tweezers to slowly peel the Factory Track ID Label from the shields on the PCB. Start from the upper right corner of the Label.



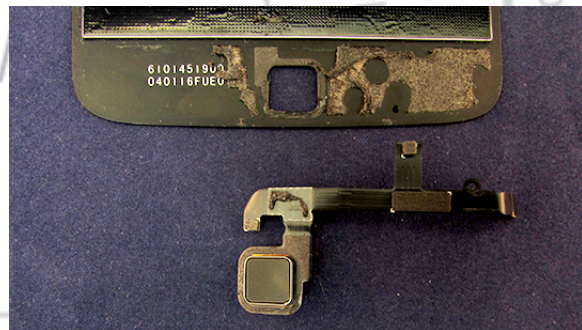
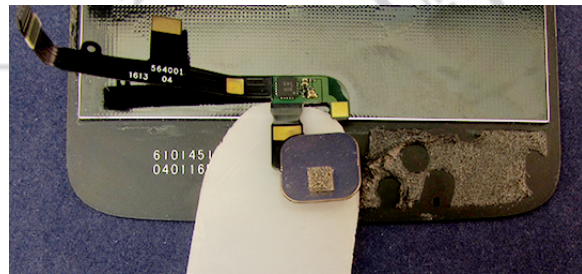
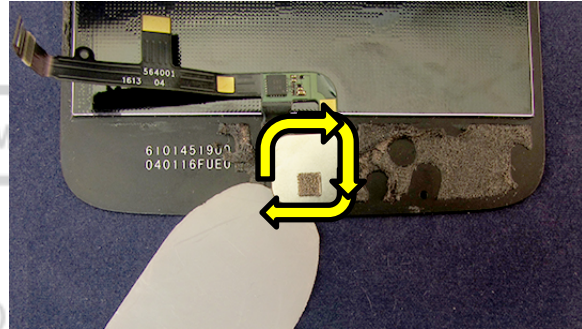
## Fingerprint Sensor Removal

### NOTE

The Fingerprint Sensor (FPS) can be recovered and reused after removal.



1. Insert the Thin Plastic Spudger under the edge of the FPS.
2. Slide the Thin Plastic Spudger around the perimeter of the FPS to separate the adhesive from the Display.
3. Slide the Thin Plastic Spudger under the FPS Flex to separate the adhesive from the Display.
4. Lift the FPS away from the Display.



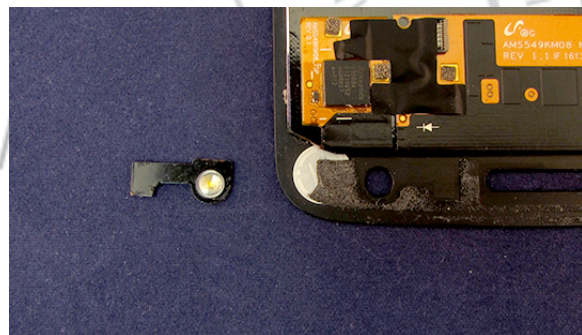
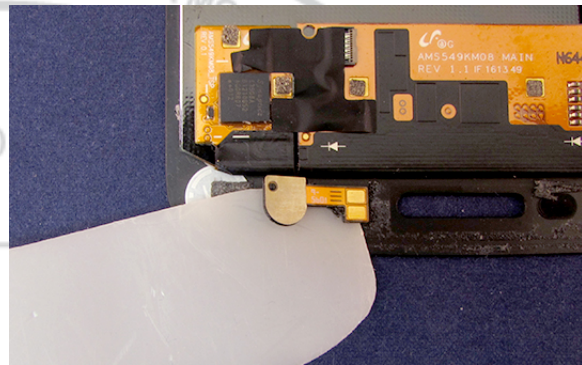
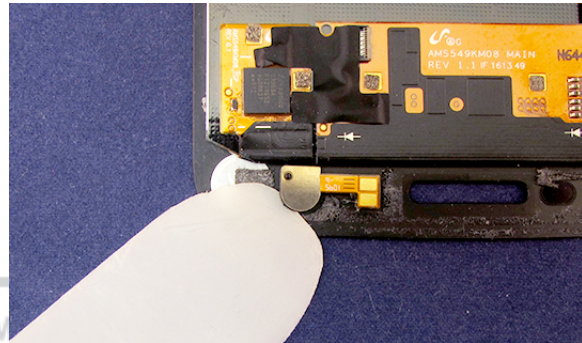
## Front-Facing Flash Flex Removal

### NOTE

The Front-Facing Flash Flex can be recovered and reused after removal.



1. Insert the Thin Plastic Spudger under the edge of the Front-Facing Flash to separate the adhesive from the Display.
2. Slide the Thin Plastic Spudger under the Front-Facing Flash Flex to separate the adhesive from the Display.
3. Lift the Front-Facing Flash and Flex away from the Display.



## Rear Inlay Removal

### NOTE

The Rear Inlay can be recovered and reused after removal.



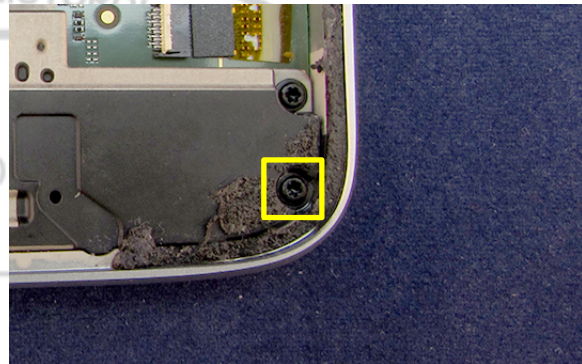
1. Remove the Rear Inlay Liner, if present.



2. Use the Torque Driver and 3IP Torx Bit to remove the 3IP Machine Screw from the lower right corner of the Bottom Carrier.

### NOTE

After you remove the 3IP Machine Screw, you cannot reuse it.

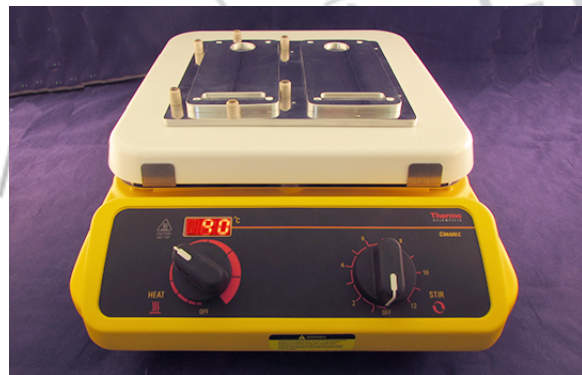


3. Place the Addison Inlay Adhesive Heating Plate (3-00-L2-10000) on the Hot Plate.
4. Set the Hot Plate to 90 °C (194 °F).

### // CAUTION //

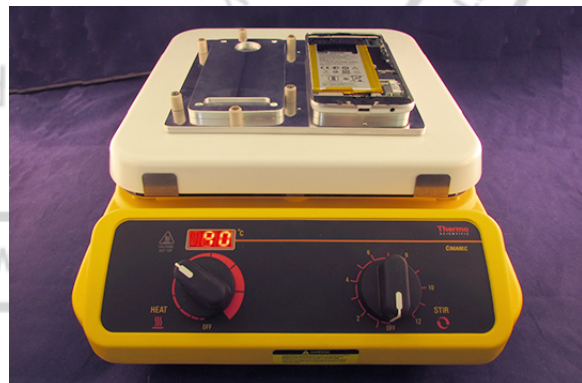
Do not set the Hot Plate temperature higher than 90 °C (194 °F). Damage to the phone may occur.

5. Wait 10-15 minutes for the Hot Plate to warm up.
6. Place the phone in the Heating Plate, with the PCB side up and the Rear-Facing Imager toward the top of the plate.
7. Wait 3 minutes for the Rear Inlay to warm up.
8. Remove the phone from the Heating Plate.



### // CAUTION //

Wear protective gloves when handling heated phones.



## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

9. Insert the SIM Tray Removal Tool (4-00-U2-10000) into the screw hole.
10. Push the SIM Tray Removal Tool into the screw hole until the corner of the Rear Inlay separates from the Housing.



11. Insert the Thin Plastic Spudger between the Rear Inlay and the Housing.



12. Slide the Thin Plastic Spudger around the perimeter of the phone to separate the adhesive from the Housing.

#### // CAUTION //

To avoid damaging the Microphone Gasket, do not insert the Thin Plastic Spudger at the indicated location.



13. Lift the Rear Inlay away from the Housing.



## Bottom Carrier Removal

### NOTE

The Bottom Carrier can be recovered and reused after removal.



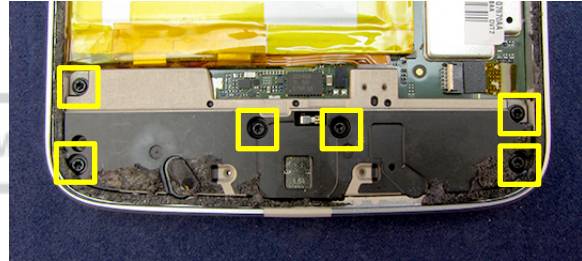
1. Use the Torque Driver and 3IP Torx Bit to remove the 6 3IP Machine Screws from the Bottom Carrier.

### NOTE

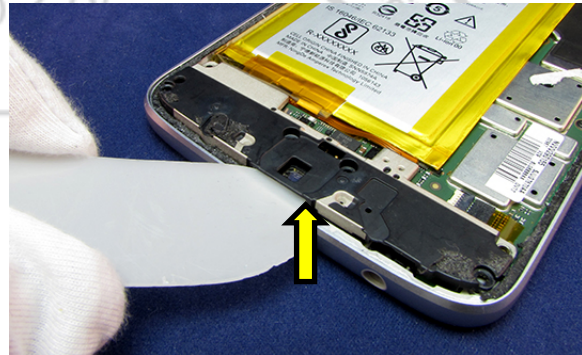
After you remove the 3IP Machine Screws, you cannot reuse them.



2. Insert the Thin Plastic Spudger between the Bottom Carrier and the Housing, above the USB port.
3. Pry up to release the snaps.



4. Lift the Bottom Carrier away from the Housing.



### // CAUTION //

Do not damage the Battery and its insulation (e.g. scratched, dented, punctured) during Bottom Carrier removal. Lift the Carrier carefully.





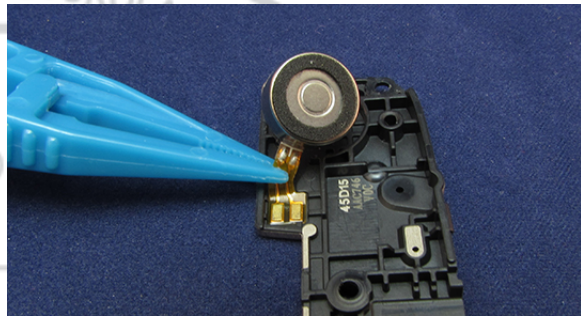
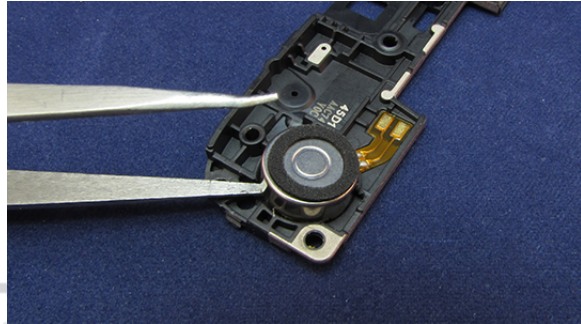
## Vibrator Removal

### NOTE

The Vibrator can be recovered and reused after removal.



1. Use a leg of the Tweezers to pry the Vibrator from the pocket of the Bottom Carrier.
2. Use the Plastic Tweezers to separate the Vibrator Flex from the Bottom Carrier.



## Battery Removal

### /// WARNING ///

Failure to adhere to Safety Critical Note(s) may increase risk of rupture, burning, or failure to function safely when used by the customer. Refer to the Battery Safety Guidelines.

### // CAUTION //

Handle the Battery Pack with care. If dropped to the floor, it may be internally damaged and must be scrapped.

Ensure Battery and its insulation are not damaged (e.g. scratched, dented, punctured) prior to and throughout assembly.

Prior to assembly, ensure Battery edges and surfaces are not dented or deformed, and that fixtures and parts that will contact the Battery are free of foreign material.

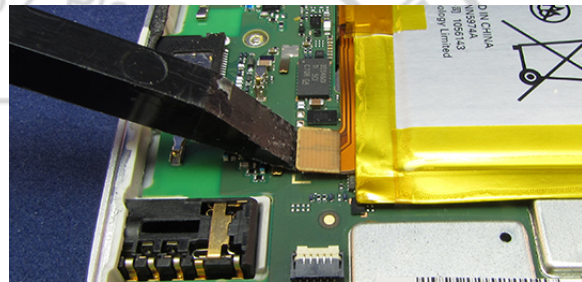
Ensure screws and screwdrivers do not contact the Battery.

### NOTE

The Battery can be recovered and reused after removal.



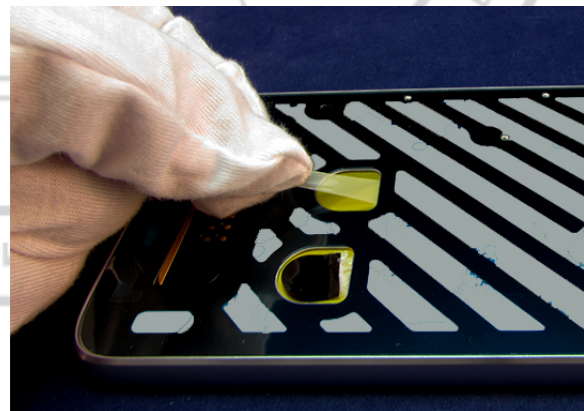
1. Use the flat end of the Blackstick to disconnect the Battery Flex BtB Connector.
2. With the Battery facing down on a flat surface, carefully pull one of the Battery Adhesive Tabs from the hole in the back of the Housing.



### // CAUTION //

To prevent the Battery Adhesive from tearing, do not stretch the Adhesive more than 2 cm at a time.

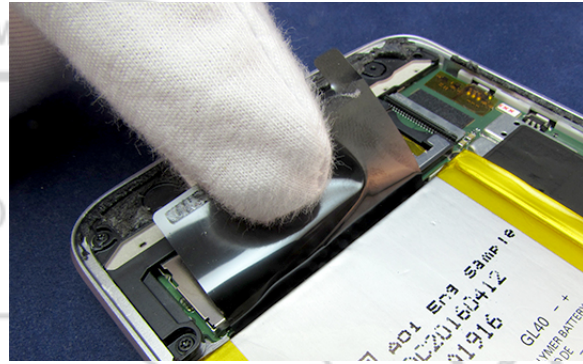
3. Pull the Tab no more than 2 cm toward the bottom of the Housing, keeping level with the surface.
4. Grip the Battery Adhesive at the point closest to the Battery, and pull another 2 cm. Repeat until the Battery Adhesive is removed.
5. Repeat this process to remove the second Battery Adhesive.



6. Peel the Battery Pull Tab from the Battery.



7. Pull the Battery Pull Tab to lift the Battery.



8. Lift the Battery out of the pocket of the Housing.



## Top Carrier Removal

### NOTE

The Top Carrier can be recovered and reused after removal.



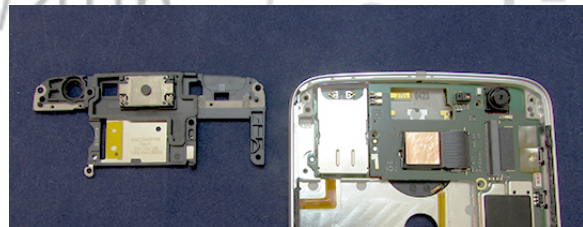
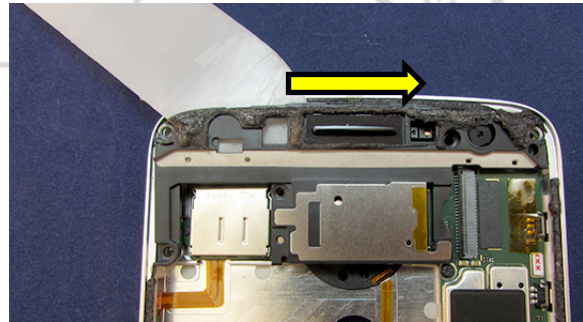
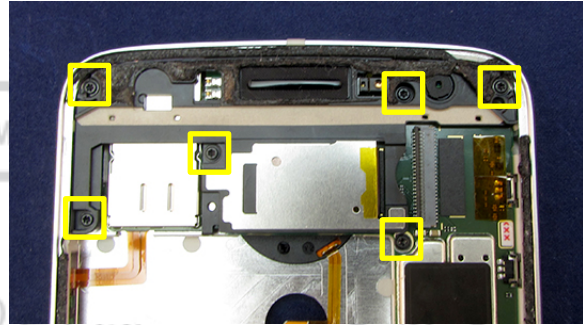
1. Use the Torque Driver and 3IP Torx Bit to remove the 6 3IP Machine Screws from the Top Carrier.

### NOTE

After you remove the 3IP Machine Screws, you cannot reuse them.



2. Insert the Thin Plastic Spudger under the upper left corner of the Top Carrier as shown.
3. Slide the Thin Plastic Spudger to the right to release the snaps.
4. Lift the Top Carrier away from the Housing.



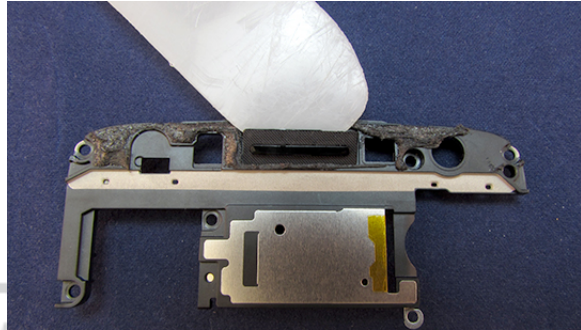
## Audio Bezel Removal

### NOTE

After you remove the Audio Bezel, you cannot reuse it.



Slide the Thin Plastic Spudger under the Audio Bezel to separate the adhesive from the Top Carrier.



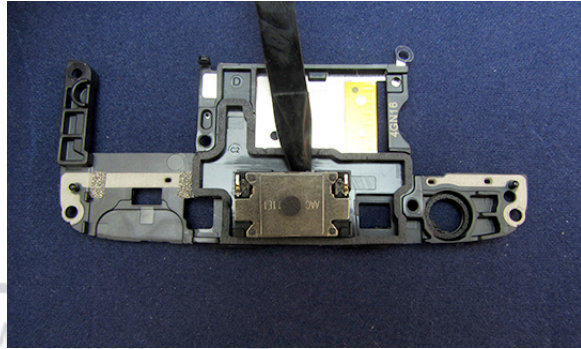
## Earpiece Speaker Removal

### NOTE

Remove the Earpiece Speaker only if it is defective or damaged. After you remove the Earpiece Speaker, you cannot reuse it.



Use the pointed end of the Blackstick to pry the Earpiece Speaker out of the pocket of the Top Carrier.



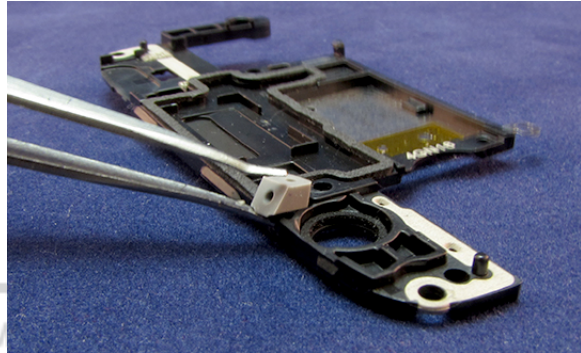
## Secondary-Microphone Grommet Removal

### NOTE

The Secondary-Microphone Grommet can be recovered and reused after removal.



Use the Tweezers to remove the Secondary-Microphone Grommet from the Top Carrier.



## PCB Removal

### NOTE

The PCB can be recovered and reused after removal.



1. Use the Torque Driver and 3IP Torx Bit to remove the 3 3IP Machine Screws from the PCB.

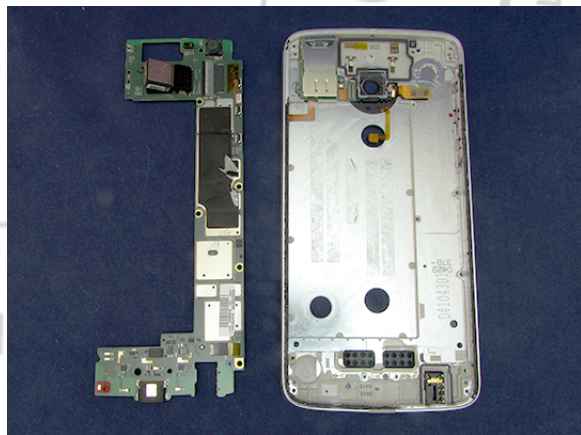
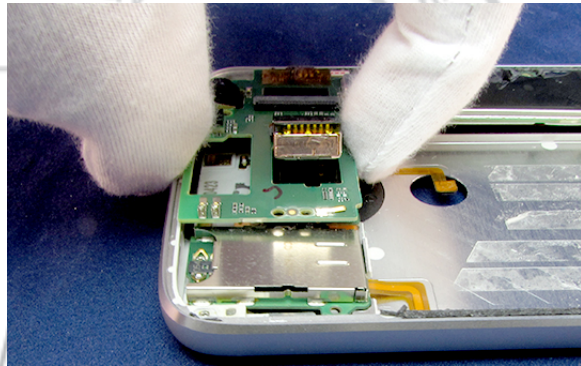
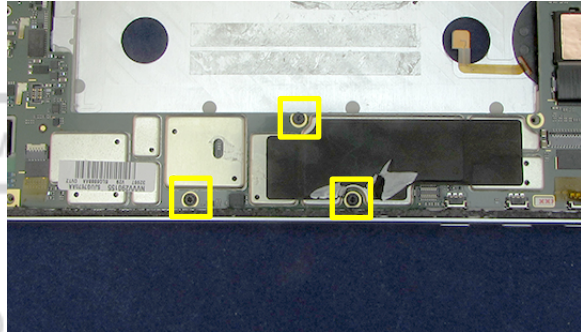
### NOTE

After you remove the 3IP Machine Screws, you cannot reuse them.



2. Slowly lift the top of the PCB straight up to disconnect the SIM/SD PCB Flex BitB Connector and Rear-Facing Flash Flex BitB Connector.

3. Lift the rest of the PCB away from the Housing.





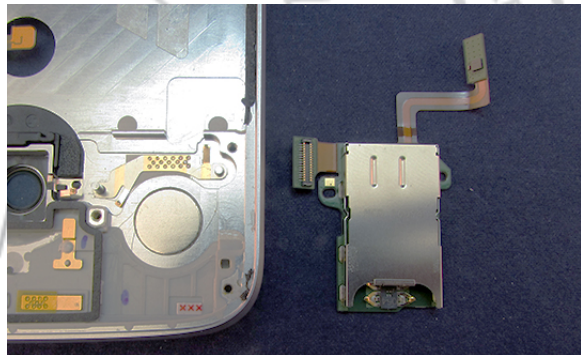
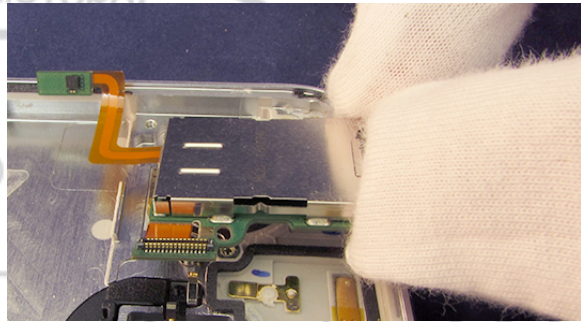
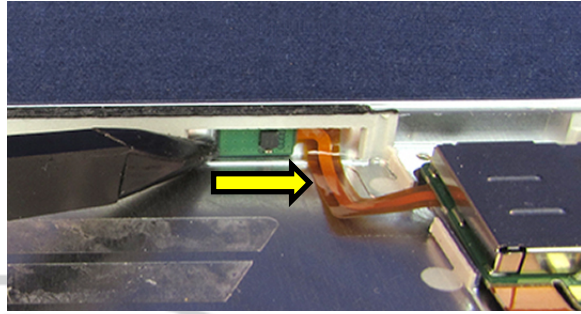
## SIM/SD PCB Removal

### NOTE

The SIM/SD PCB can be recovered and reused after removal.



1. Slide the pointed end of the Blackstick under the Magnetometer Flex to separate the adhesive from the Housing wall.
2. Lift straight up on the SIM/SD PCB to remove it from the Housing pins.



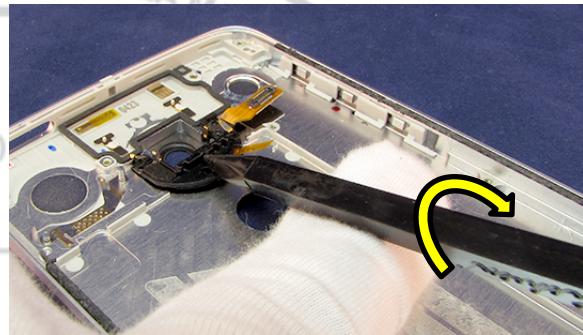
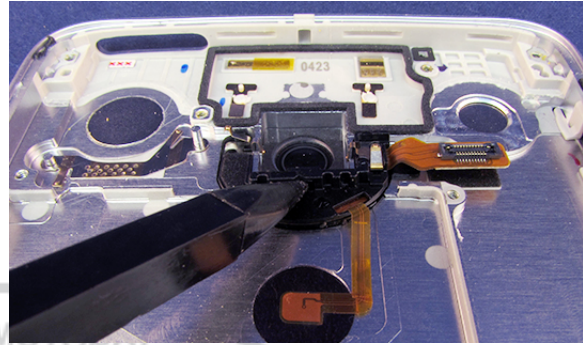
## Rear-Facing Flash Carrier Removal

### NOTE

The Rear-Facing Flash and Carrier can be recovered and reused after removal.

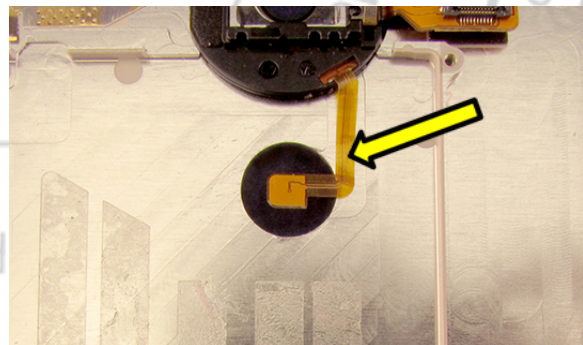


1. Insert the pointed end of the Blackstick into the hole in the Rear-Facing Flash Carrier.
2. Place a finger under the Blackstick as leverage.
3. Rotate the Blackstick to pry the Rear-Facing Flash Carrier from the Housing.



### // CAUTION //

Use caution when removing the Rear-Facing Flash Carrier. Do not tear or damage the Battery Temperature Sensor Flex.



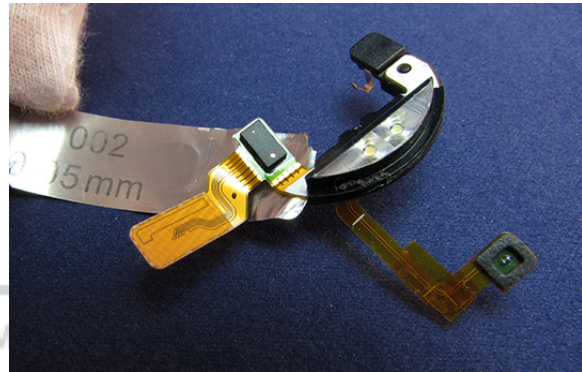
## Rear-Facing Flash Flex Removal

### NOTE

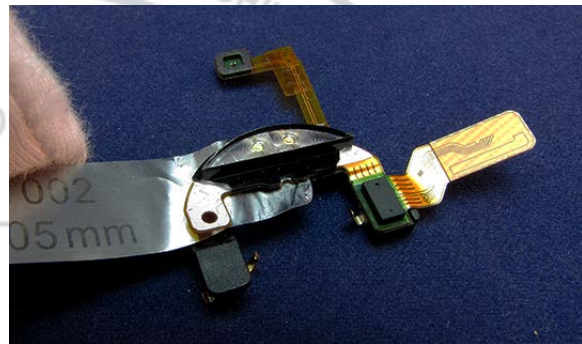
The Rear-Facing Flash Flex can be recovered and reused after removal.



1. Slide the Metal Shim Tool (3-00-K3-10000) under the Rear-Facing Flash Flex to separate the adhesive from the Rear-Facing Flash Carrier.



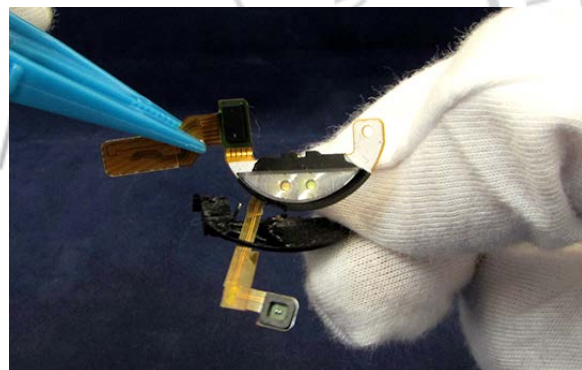
2. Slide the Metal Shim Tool under the Rear-Facing Flash to separate the adhesive from the Carrier.



### // CAUTION //

Use caution when removing the Rear-Facing Flash. Do not tear or damage the Battery Temperature Sensor Flex.

3. Guide the Battery Temperature Sensor Flex through the hole in the Rear-Facing Flash Carrier.



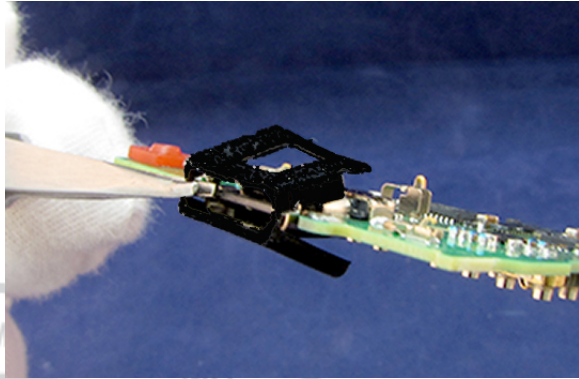
## USB Grommet Removal

### NOTE

The USB Grommet can be recovered and reused after removal.



Use the Tweezers to remove the USB Grommet from the PCB.



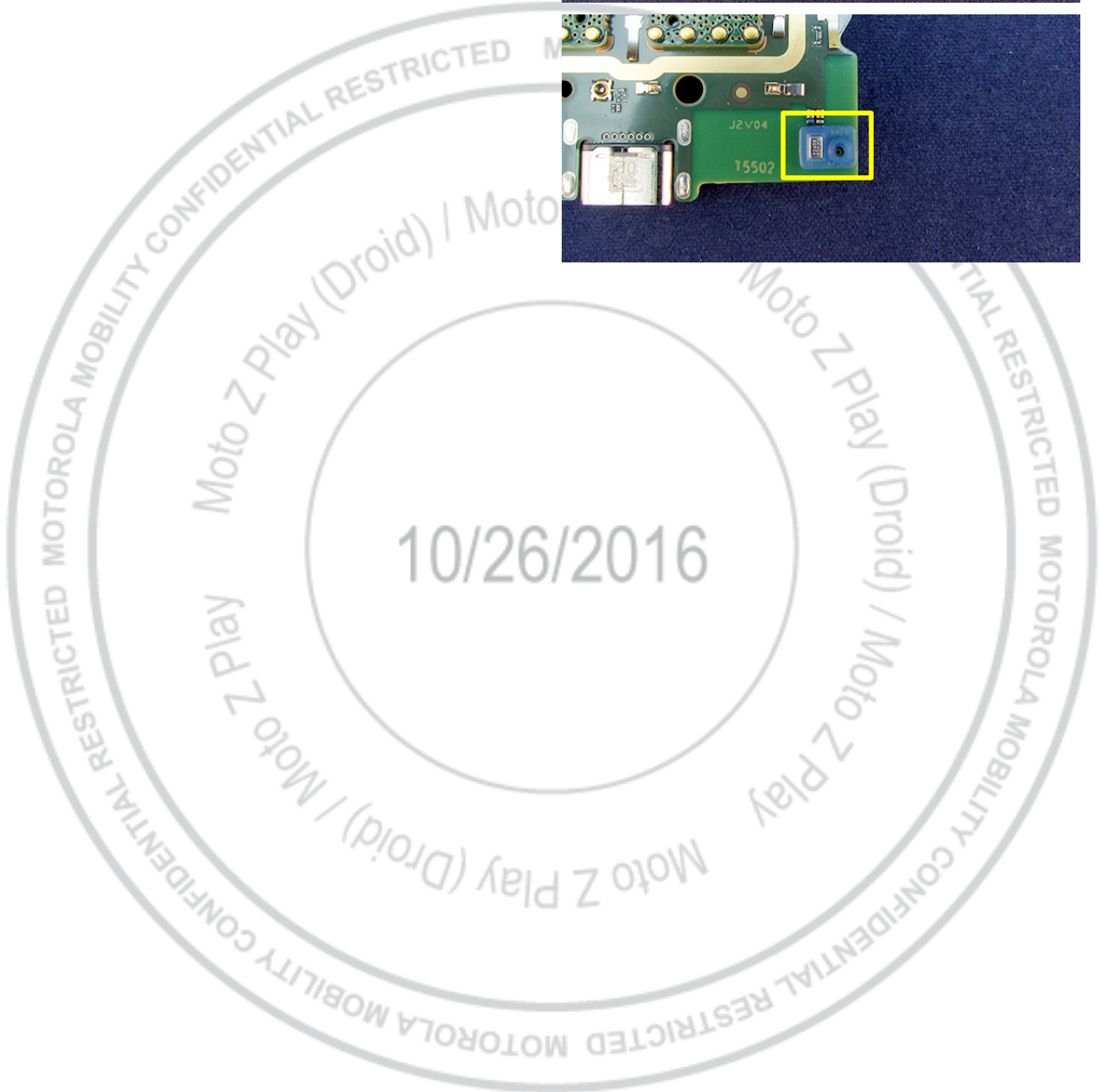
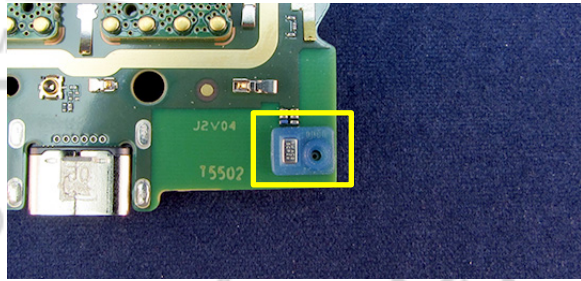
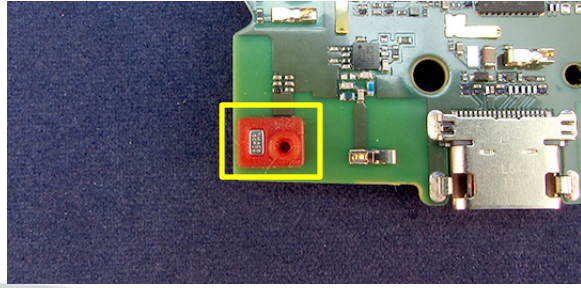
## Main-Microphone Grommet Removal

### NOTE

The Main-Microphone Grommets can be recovered and reused after removal.



Use the Tweezers to remove the 2 Main-Microphone Grommets from the PCB.



## Rear-Facing Imager Removal

### NOTE

The Rear-Facing Imager can be recovered and reused after removal.



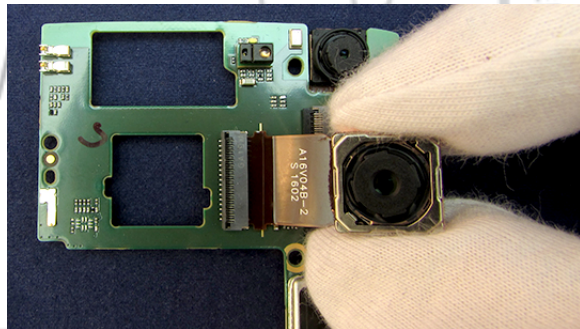
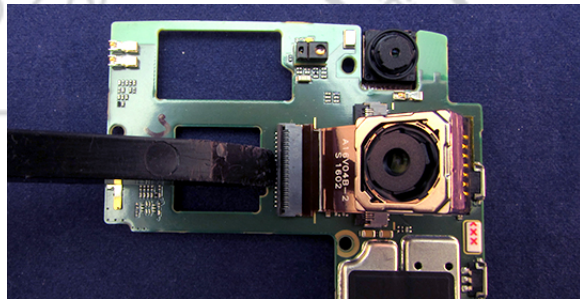
1. Use the Tweezers to remove the Kapton® Tape from the Rear-Facing Imager Flex ZIF Connector Door.

### NOTE

After you remove the Kapton Tape, you cannot reuse it.



2. Place the PCB on a flat, steady surface, as shown.
3. Use the flat end of the Blackstick to open the Rear-Facing Imager Flex ZIF Connector Door.
4. Remove the Rear-Facing Imager from the ZIF Connector.



## Front-Facing Imager Removal

### NOTE

The Front-Facing Imager can be recovered and reused after removal.



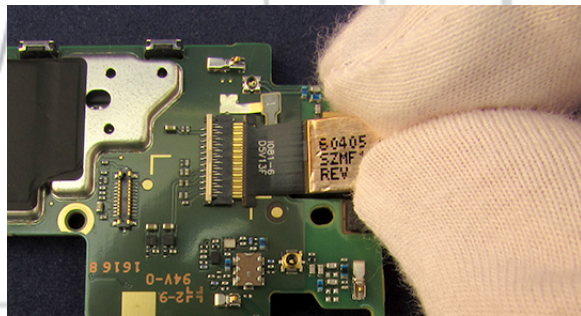
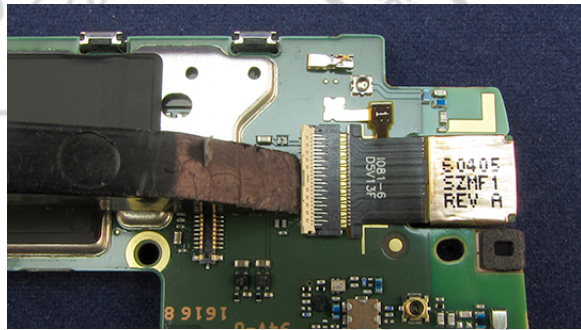
1. Use the Tweezers to remove the Kapton Tape from the Front-Facing Imager Flex ZIF Connector Door.

### NOTE

After you remove the Kapton Tape, you cannot reuse it.



2. Place the PCB on a flat, steady surface, as shown.
3. Use the flat end of the Blackstick to open the Front-Facing Imager Flex ZIF Connector Door.
4. Lift the Front-Facing Imager away from the ZIF Connector.



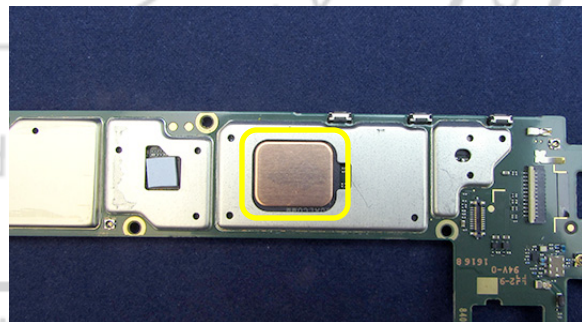
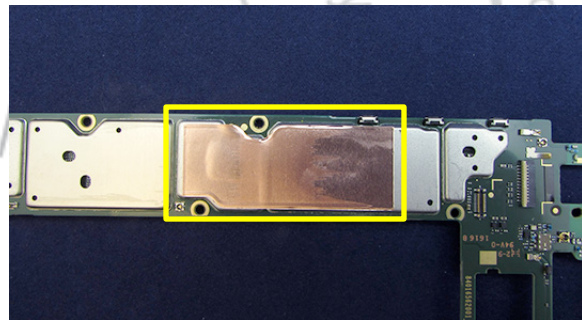
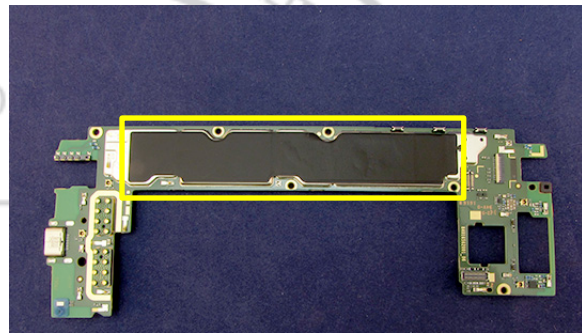
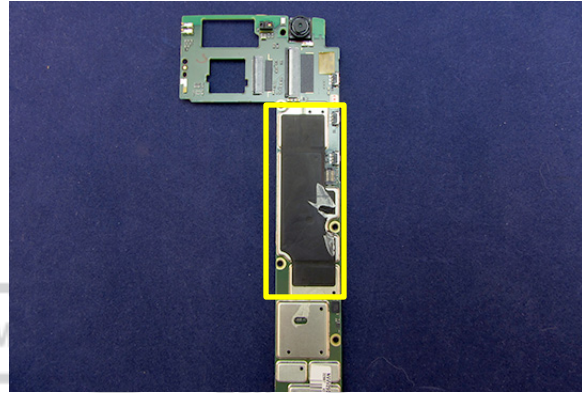
## PCB Heatspreader and Copper Tape Removal

### NOTE

Remove the PCB Heatspreaders and Copper Tape only if they are damaged. After you remove them, you cannot reuse them.



1. Use the Blackstick and ISP Alcohol to remove the Top Heatspreader from the PCB.
2. Use the Blackstick and ISP Alcohol to remove the Bottom Heatspreader from the PCB.
3. Use the Blackstick and ISP Alcohol to remove the Copper Tape from the PCB Shields.
4. Use the Thin Plastic Spudger to pry the Copper Block from the PCB Shield cutout.





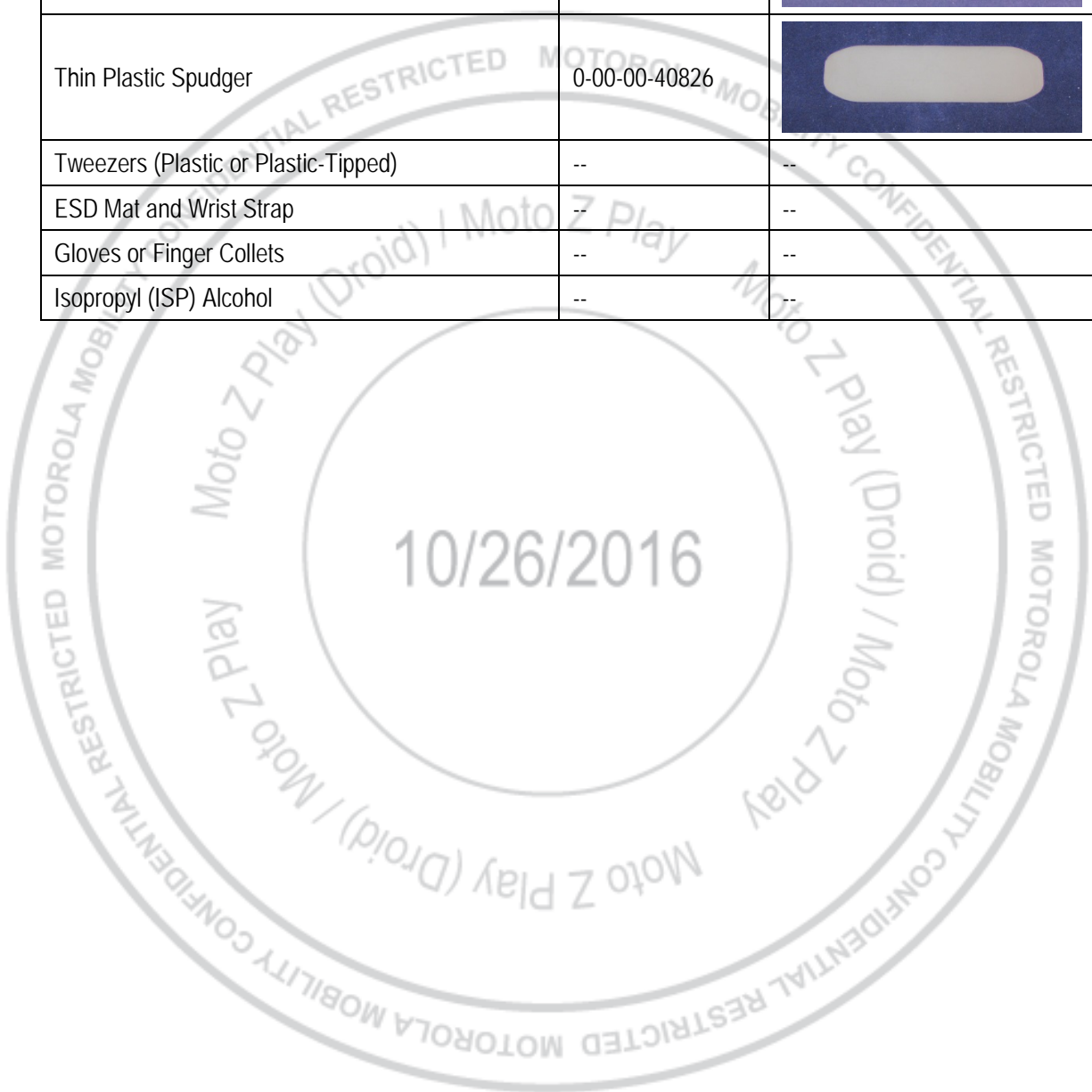


# PARTS REFRESH

## Tools Required for Parts Refresh

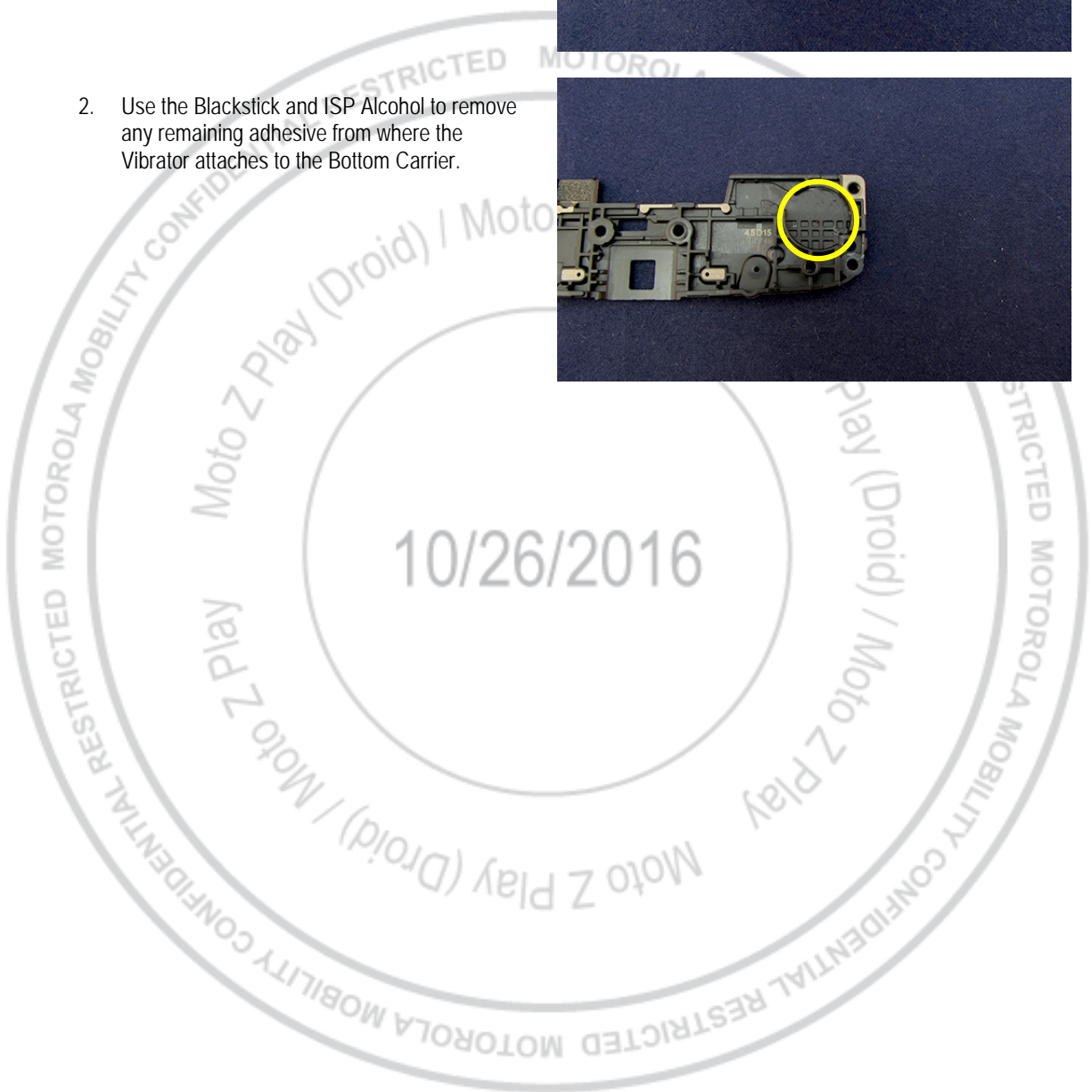
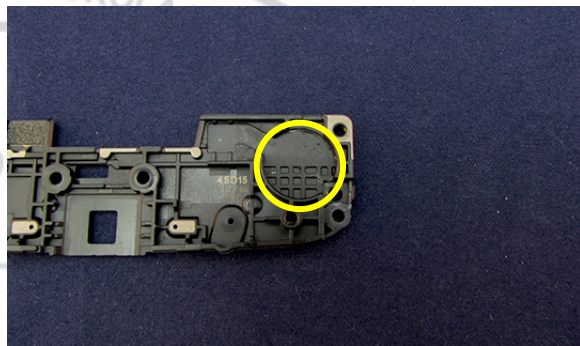
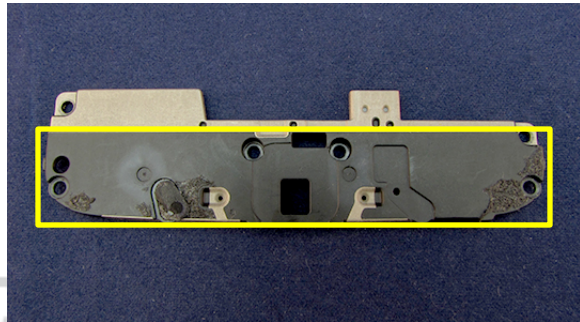
The following tools are required for parts refresh of the Moto Z Play (Droid) / Moto Z Play phone.

<i>Description</i>	<i>Part #</i>	<i>Image</i>
Blackstick	--	
Thin Plastic Spudger	0-00-00-40826	
Tweezers (Plastic or Plastic-Tipped)	--	--
ESD Mat and Wrist Strap	--	--
Gloves or Finger Collets	--	--
Isopropyl (ISP) Alcohol	--	--



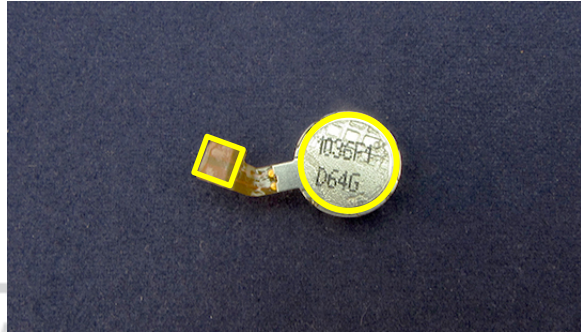
## Bottom Carrier Cleaning

1. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Display attaches to the Bottom Carrier.
2. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Vibrator attaches to the Bottom Carrier.



## Vibrator Cleaning

Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the bottom of the Vibrator, where it attaches to the Bottom Carrier.



## Battery Cleaning

### /// WARNING ///

Failure to adhere to Safety Critical Note(s) may increase risk of rupture, burning, or failure to function safely when used by the customer. Refer to the Battery Safety Guidelines.

### // CAUTION //

Handle the Battery Pack with care. If dropped to the floor, it may be internally damaged and must be scrapped.

Ensure Battery and its insulation are not damaged (e.g. scratched, dented, punctured) prior to and throughout assembly.

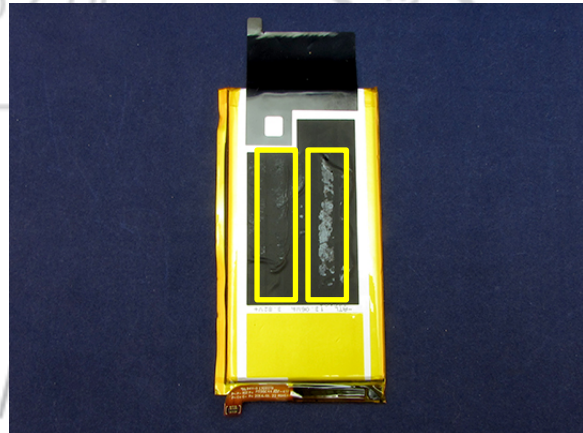
Prior to assembly, ensure Battery edges and surfaces are not dented or deformed, and that fixtures and parts that will contact the Battery are free of foreign material.

Ensure screws and screwdrivers do not contact the Battery.

1. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from the Battery.

### // CAUTION //

To prevent damage, do not allow sharp tools or screws to come in contact with the Battery.



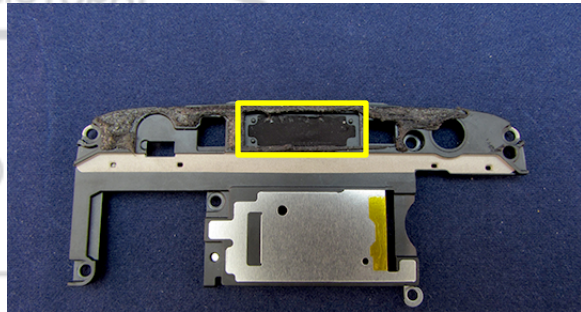
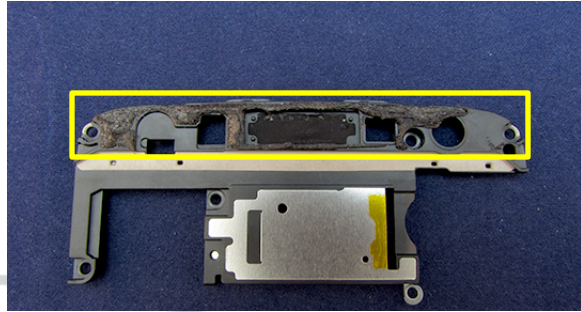
2. Inspect the Battery to verify it is not creased, crushed, or punctured.
3. If the Battery foil pack is wrinkled, slide a flat edge of the Blackstick against the foil pack to smooth out all wrinkles.

### // CAUTION //

To prevent damage, do not allow sharp tools or screws to come in contact with the Battery.

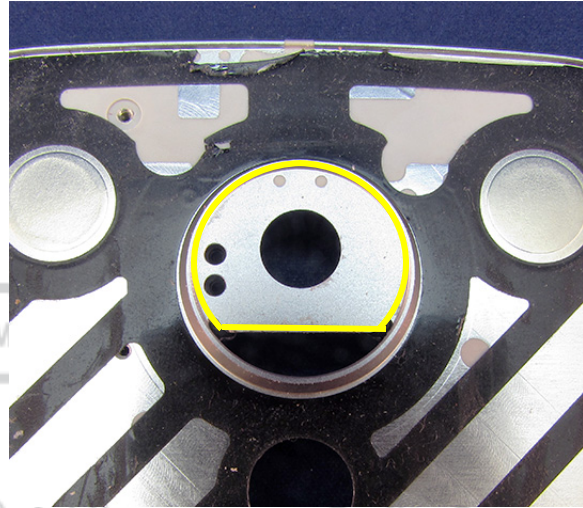
## Top Carrier Cleaning

1. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Display attaches to the Top Carrier.
2. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Audio Bezel attaches to the Top Carrier.



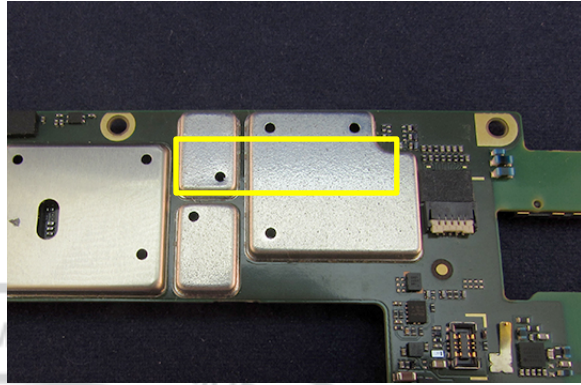
## Rear-Facing Imager Bezel Cleaning

Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Rear-Facing Imager Lens attaches to the Bezel.



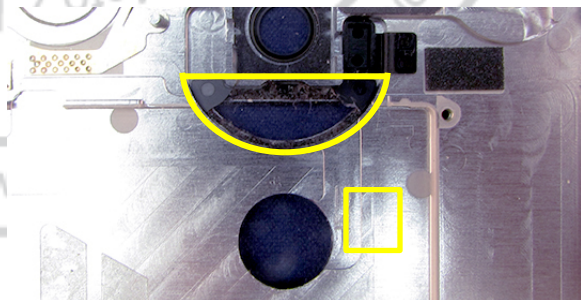
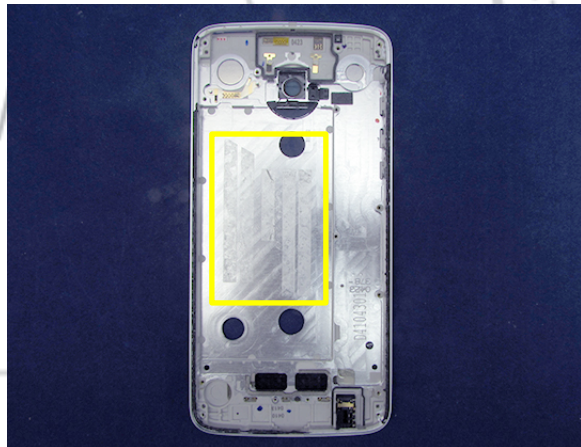
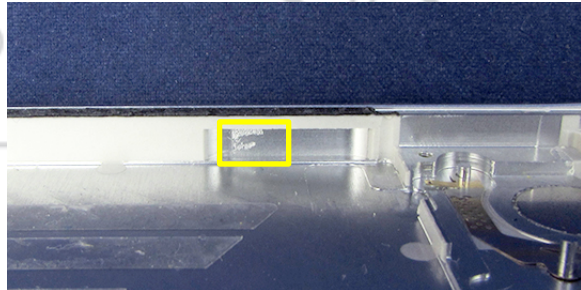
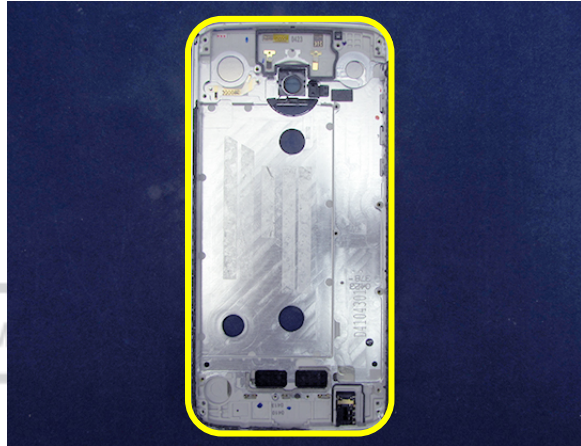
## PCB Cleaning

Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Factory Track ID Label attaches to the shields on the PCB.



## Housing Cleaning

1. Use the Blackstick and ISP Alcohol to remove any remaining adhesive left from where the Display attaches to the perimeter of the Housing.
2. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Magnetometer Flex attaches to the Housing wall.
3. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Battery attaches to the Housing.
4. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Rear-Facing Flash Carrier and Battery Temperature Sensor Flex attach to the Housing.





5. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Rear Inlay attaches to the Housing.



## Display Cleaning

1. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from the top, bottom, and edges of the Display, where it attaches to the Housing.

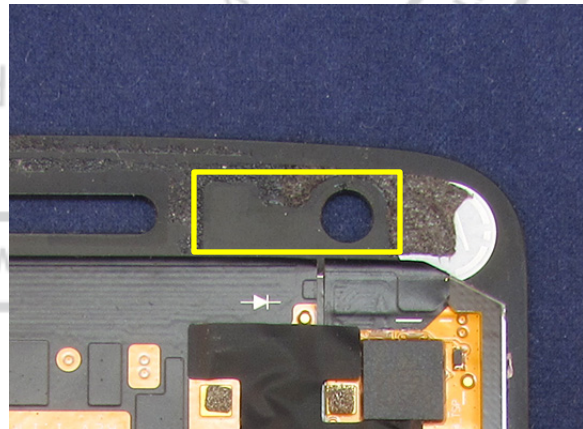
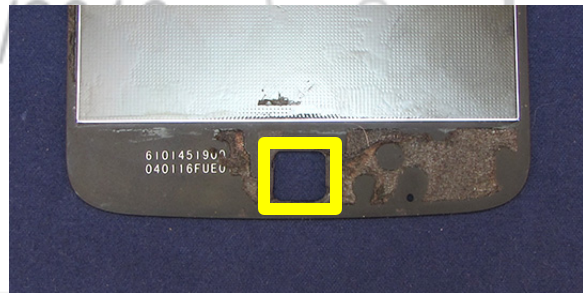
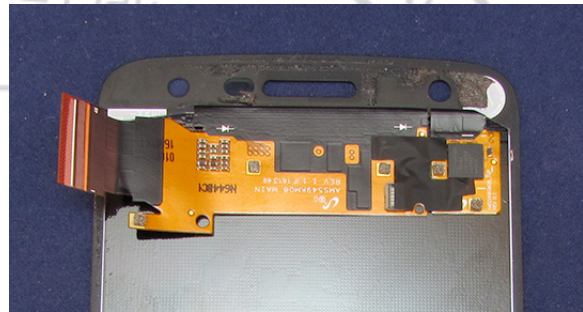
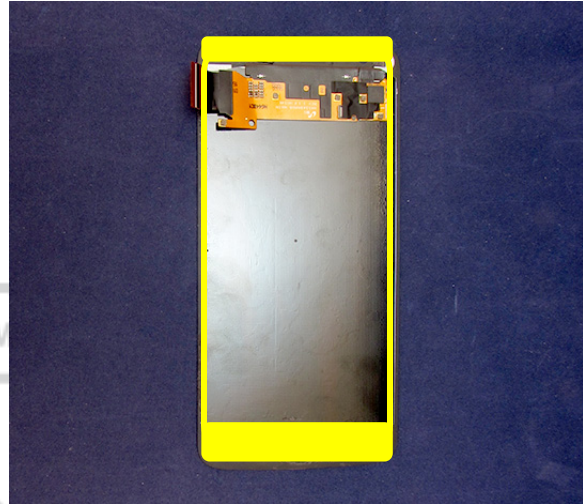
### // CAUTION //

Use care when cleaning the Display. Do not separate the Display from the Lens. Take care not to damage the Display Flex, FPS Flex, or Front-Facing Flash Flex, if they are present.

2. Inspect the Display Flex to verify it is not torn, creased, or otherwise damaged.

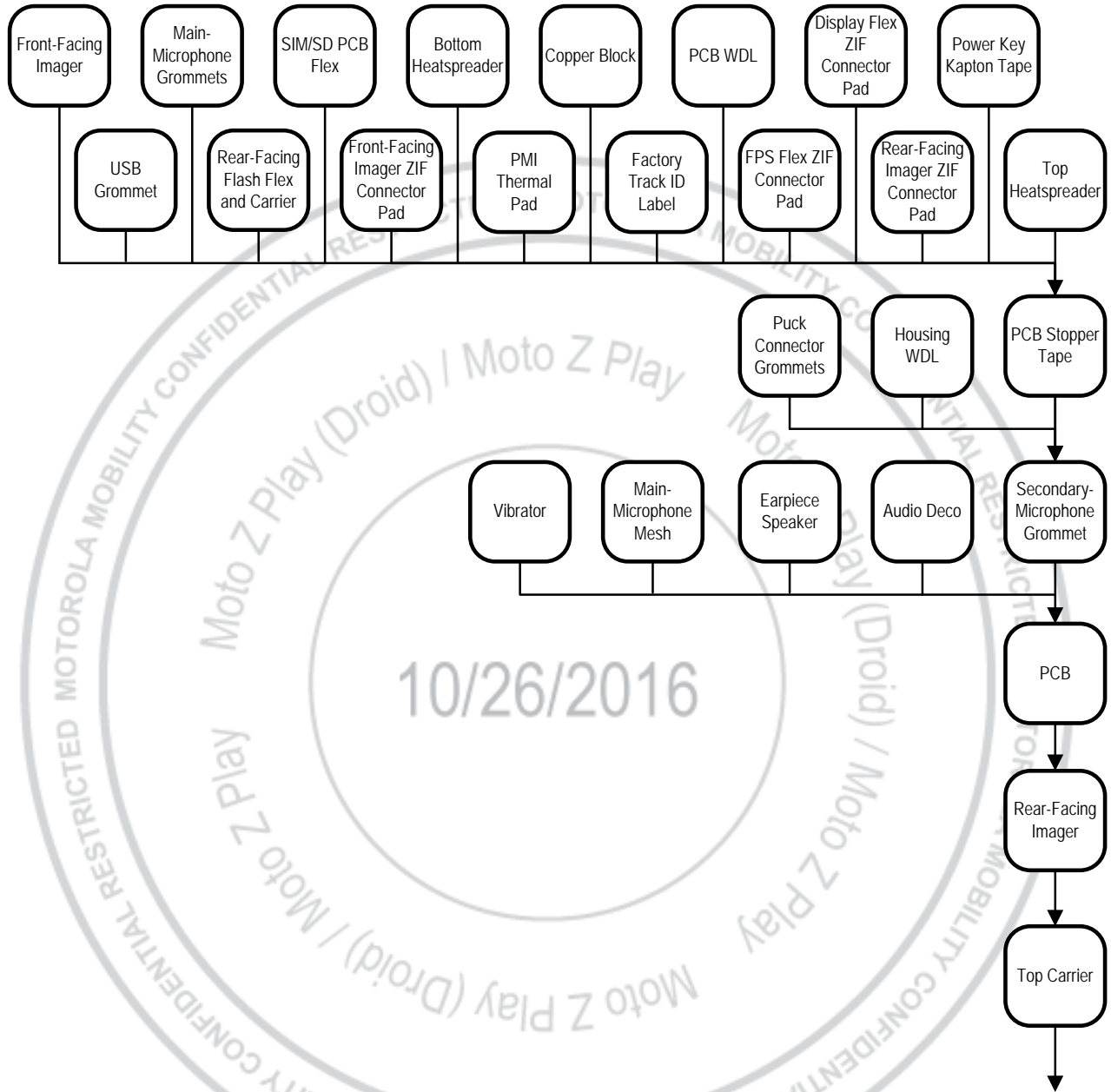
3. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the FPS attaches to the Display.

4. Use the Blackstick and ISP Alcohol to remove any remaining adhesive from where the Front-Facing Flash Flex attaches to the Display.

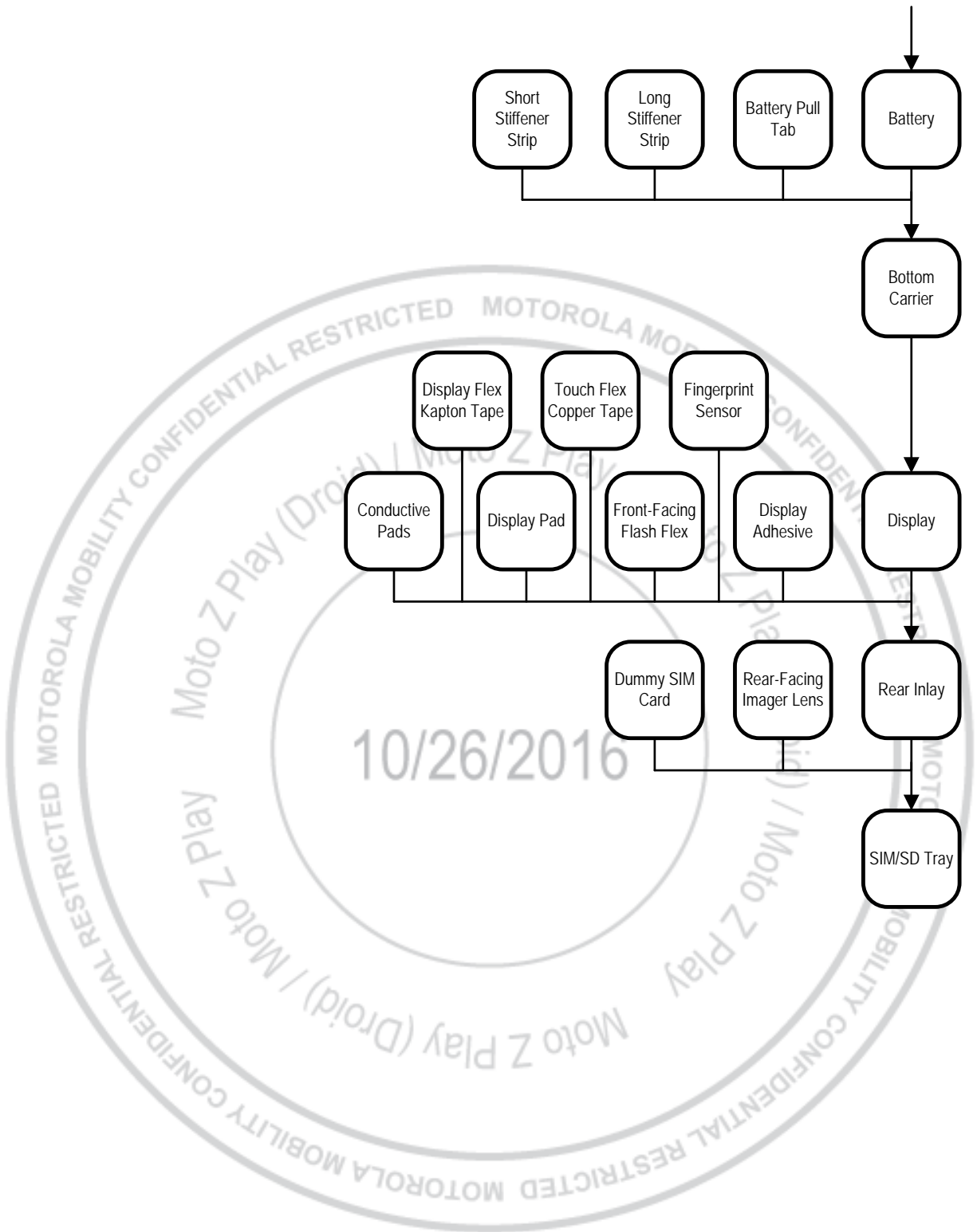


# ASSEMBLY

## Assembly Map



\*Assembly Map continued on the next page.




## Tools Required for Assembly

The following tools are required to assemble the Moto Z Play (Droid) / Moto Z Play phone.

Description	Part #	Picture / Drawing
Addison PCB Assembly Fixture	3-00-K4-10000	
Addison Main Lens Alignment and Press	3-00-K5-10000	 <p data-bbox="1175 810 1305 835">Press Head</p>  <p data-bbox="1175 1058 1305 1083">Press Fixture</p>
Addison Inlay Press	3-00-K6-10000	 <p data-bbox="1175 1304 1305 1329">Press Head</p>  <p data-bbox="1175 1549 1305 1575">Press Fixture</p>

Description	Part #	Picture / Drawing
Addison Display Assembly and Press	3-00-K7-10000	 <p>Press Head</p>  <p>Press Fixture and Lids</p>
Press	19501980	
3IP Torx Bit	--	
Torque Driver (Adjustable)	--	
Blackstick	--	
Tweezers (Plastic or Plastic-Tipped)	--	--
ESD Mat and Wrist Strap	--	--
Gloves or Finger Collets	--	--
Isopropyl (ISP) Alcohol	--	--

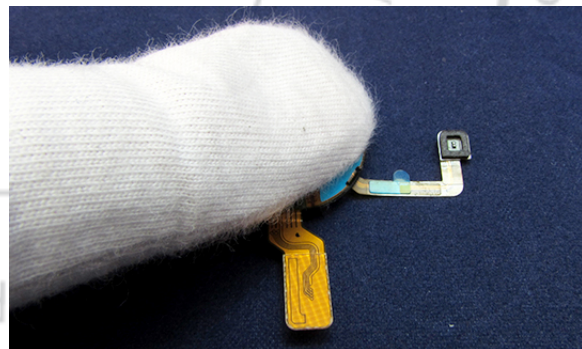
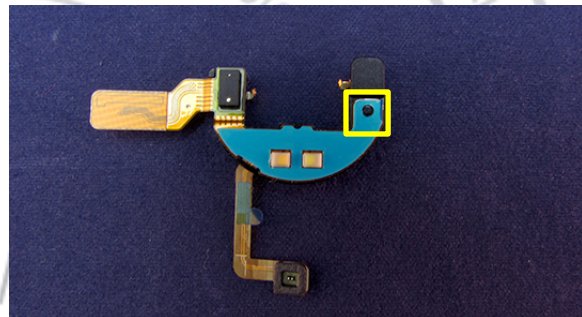
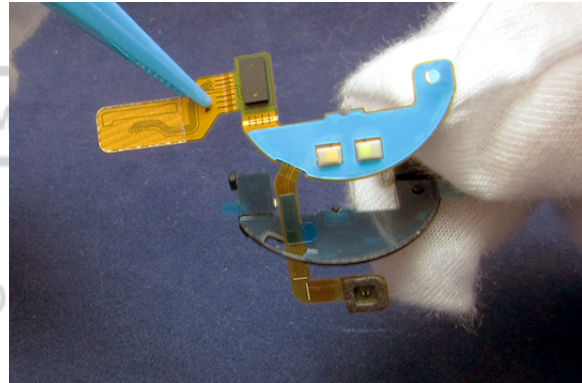
Description	Part #	Picture / Drawing
Cotton Swabs	--	--
Compressed Air Spray Can	--	--
3M AP-111 Adhesion Promoter	--	



## Rear-Facing Flash Flex Assembly

Description	Reference #
ASSY,PWA,REAR FLSH LED,ADDISON ASSY,HSG,REAR FLSH FLEX,ADDISON	26
ASSY,HSG,REAR FLSH FLX HOLDER,ADDISON	27

1. Guide the Battery Temperature Sensor Flex through the hole in the Rear-Facing Flash Carrier.
2. Remove the adhesive liners from the Rear-Facing Flash Carrier.
3. Place the Rear-Facing Flash on the Rear-Facing Flash Carrier, using the pin in the Carrier as an alignment guide.
4. Press down on the Rear-Facing Flash for 5 seconds to secure it to the Carrier.

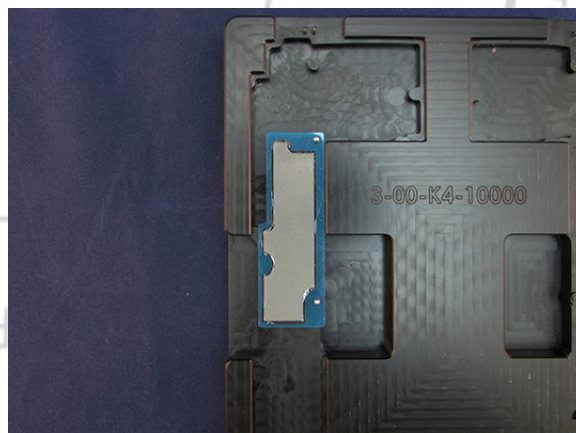




## PCB Preparation

<i>Description</i>	<i>Reference #</i>
ASSY,PWA,XCVR,VERTEX 3/32 – R ASSY,PWA,XCVR,VERTEX 3/32 – CN ASSY,PWA,XCVR,VERTEX 2/16 – VZW	2
DIE CUT,HT SPREADER,FRONT,ADDISON	15
DIE CUT,COP BLOCK,MSM,ADDISON	20
DIE CUT,THRM PAD,PMI,ADDISON	29
DIE CUT,HT SPREADER,REAR,ADDISON	22
SPCR,SHEET,ZIF,FRONT CAMR CONN	--
OVRLY,SHEET REAR CAM FLX SHIM	18
OVRLY,SHEET DISP FLX SHIM	16
DIE CUT, KAPTON TAPE, MAIN PCB 2	--
LBL,WATER, DETECT	--
LBL,IMEI,GHOST	--
SPCR,SHEET,ZIF,HSJ,FPS,VIB CONN	--
ASSY,FLXCKT,SD/SIM CARD,ADDISON	23
ASSY,PWA,REAR FLSH LED,ADDISON ASSY,HSG,REAR FLSH FLEX,ADDISON	26
ASSY,HSG,REAR FLSH FLX HOLDER,ADDISON	27

1. Remove the adhesive liner from the Top Heatspreader.
2. Place the Top Heatspreader into the Addison PCB Assembly Fixture (3-00-K4-10000), aligning it to the pins in the Fixture.



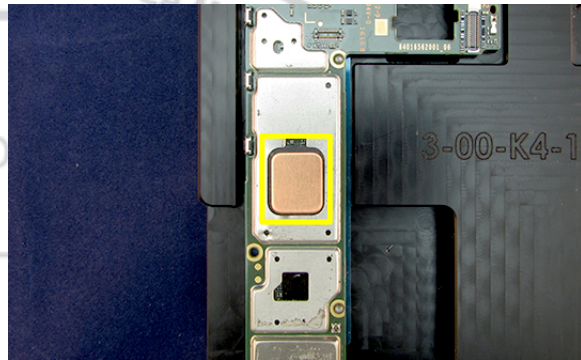
## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

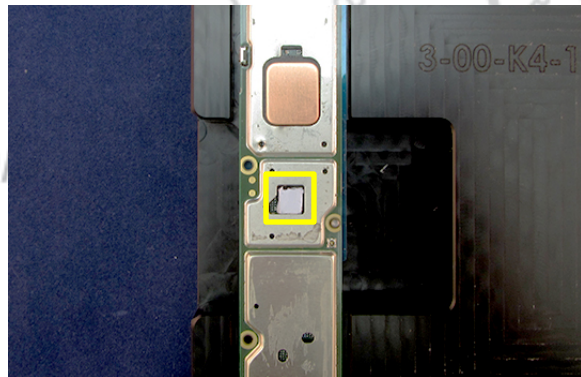
3. Place the PCB into the Fixture over the Top Heatspreader, aligning it to the pins and recess in the Fixture.



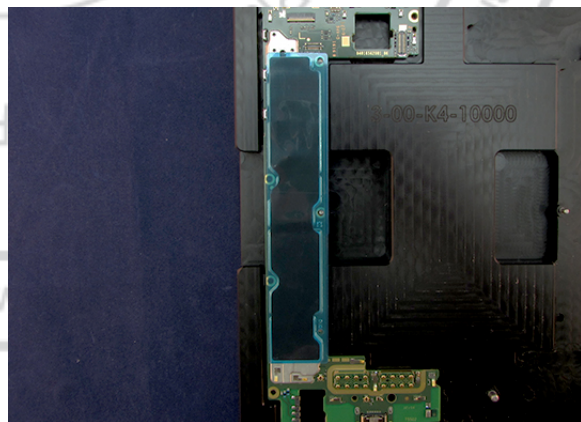
4. Remove the adhesive liner from the Copper Block.
5. Place the Copper Block on the PCB, aligning it to the larger PCB Shield cutout.
6. Press down on the Copper Block for 5 seconds to secure it to the PCB.



7. Remove the adhesive liner from the PMI Thermal Pad.
8. Place the PMI Thermal Pad on the PCB, aligning it to the smaller PCB Shield cutout.
9. Press down on the PMI Thermal Pad for 5 seconds to secure it to the PCB.
10. Remove the remaining liner from the PMI Thermal Pad.



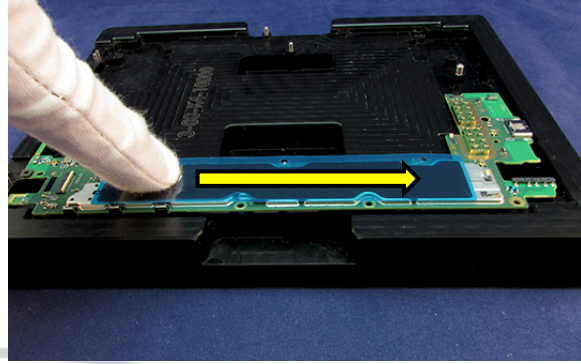
11. Remove the adhesive liner from the Bottom Heatspreader.
12. Place the Bottom Heatspreader into the Fixture over the PCB, aligning it to the pins in the Fixture.



## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

13. Apply manual pressure to the Bottom Heatspreader to secure it to the PCB. Place a finger on one end of the Bottom Heatspreader and slide it to the other end using a rubbing motion.
14. Remove the remaining liner from the Bottom Heatspreader.

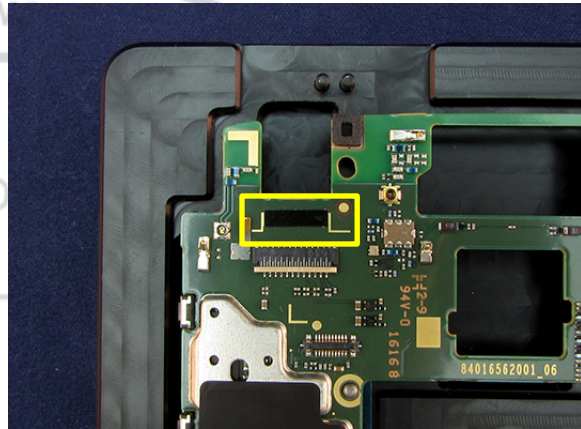


15. Remove the adhesive liner from the Front-Facing Imager ZIF Connector Pad.
16. Place the Front-Facing Imager ZIF Connector Pad on the PCB, using the etched markings on the PCB to align it.

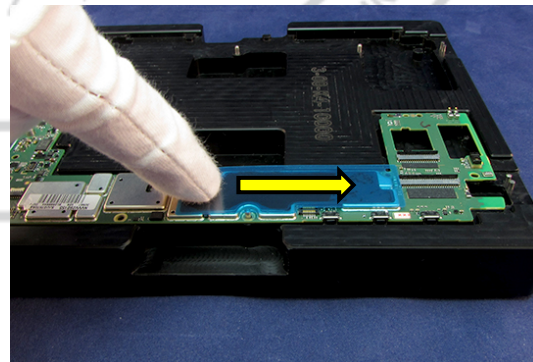
#### NOTE

Verify that the pad does not overlap the ZIF Connector leads.

17. Press down on the Front-Facing Imager ZIF Connector Pad for 5 seconds to secure it to the PCB.
18. Remove the PCB from the Fixture.
19. Turn the PCB over and place it back in the Fixture as shown.



20. Apply manual pressure to the Top Heatspreader to secure it to the PCB. Place a finger on one end of the Top Heatspreader and slide it to the other end using a rubbing motion.
21. Remove the remaining liner from the Top Heatspreader.



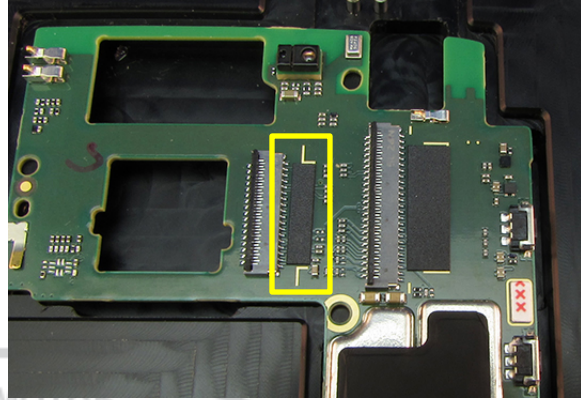
## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

22. Remove the adhesive liner from the Rear-Facing Imager ZIF Connector Pad.
23. Place the Rear-Facing Imager ZIF Connector Pad on the PCB, using the etched markings on the PCB to align it.

#### NOTE

Verify that the pad does not overlap the ZIF Connector leads.

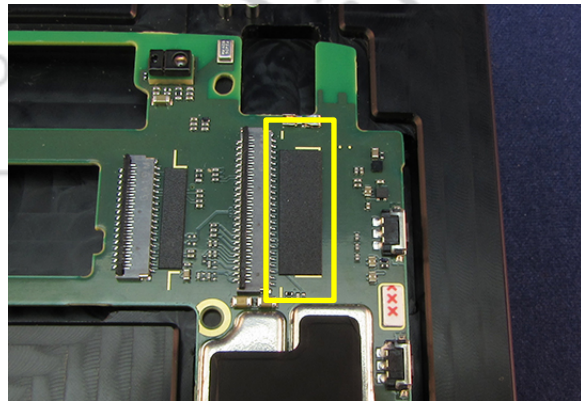


24. Press down on the Rear-Facing Imager ZIF Connector Pad for 5 seconds to secure it to the PCB.

25. Remove the adhesive liner from the Display Flex ZIF Connector Pad.
26. Place the Display Flex ZIF Connector Pad on the PCB, using the etched markings on the PCB to align it.

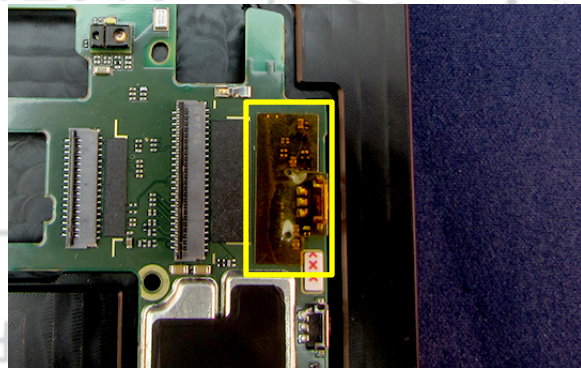
#### NOTE

Verify that the pad does not overlap the ZIF Connector leads.

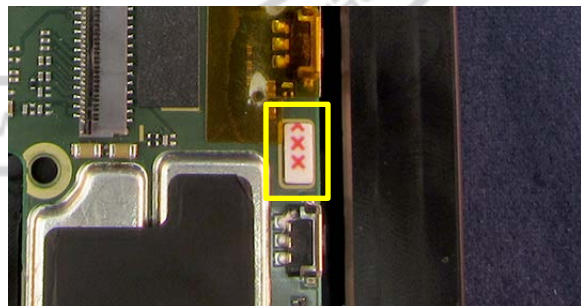


27. Press down on the Display Flex ZIF Connector Pad for 5 seconds to secure it to the PCB.

28. Remove the adhesive liner from the Power Key Kapton Tape.
29. Place the Power Key Kapton Tape on the PCB as shown. Use the upper Display Flex ZIF Connector Pad etched marking on the PCB as an alignment guide.
30. Press down on the Power Key Kapton Tape for 5 seconds to secure it to the PCB.



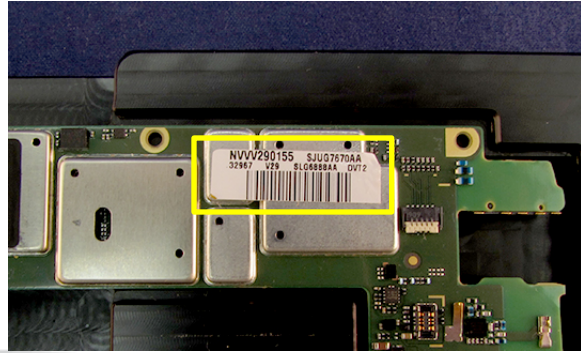
31. Remove the WDL from the carrier.
32. Place the WDL on the upper right edge of the PCB, using the etched markings on the PCB to align it.
33. Press down on the WDL for 5 seconds to secure the WDL to the PCB.



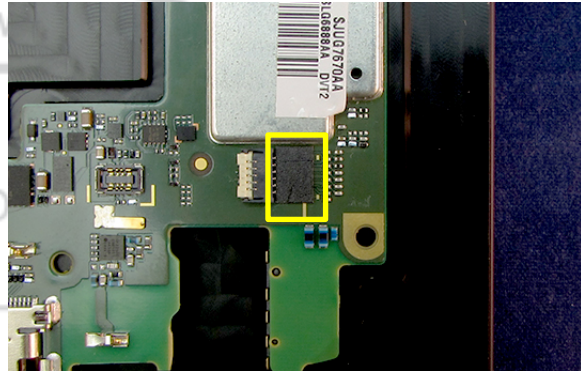
## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

34. Remove the adhesive liner from the Factory Track ID Label.
35. Place the Factory Track ID Label on the PCB as shown. Align the lower left corner of the Label to the shield.
36. Press down on the Factory Track ID Label for 5 seconds to secure it to the PCB.



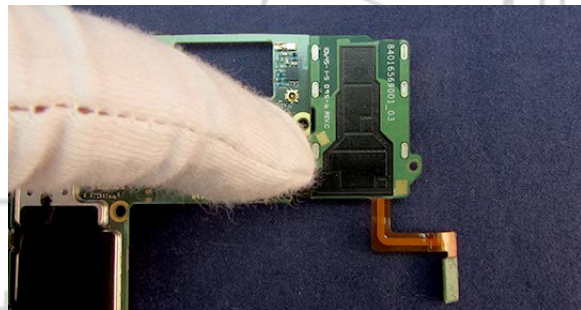
37. Remove the adhesive liner from the FPS Flex ZIF Connector Pad.
38. Place the FPS Flex ZIF Connector Pad on the PCB, using the etched markings on the PCB to align it.



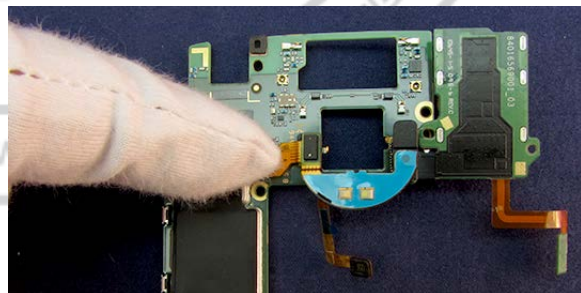
#### NOTE

Verify that the pad does not overlap the ZIF Connector leads.

39. Press down on the FPS Flex ZIF Connector Pad for 5 seconds to secure it to the PCB.
40. Remove the PCB from the Fixture.
41. Place the PCB on a flat, steady surface, with the Top Heatspreader side down.
42. Align the SIM/SD PCB Flex to the BtB Connector on the PCB.
43. Apply rolling pressure to connect the SIM/SD PCB Flex BtB Connector to the PCB.



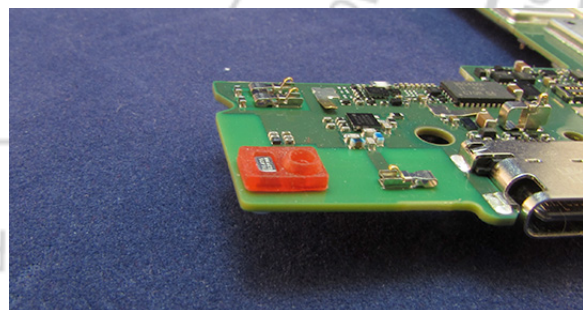
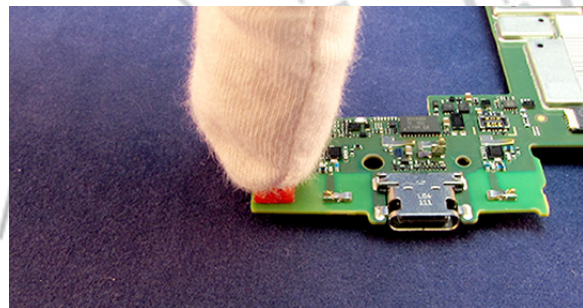
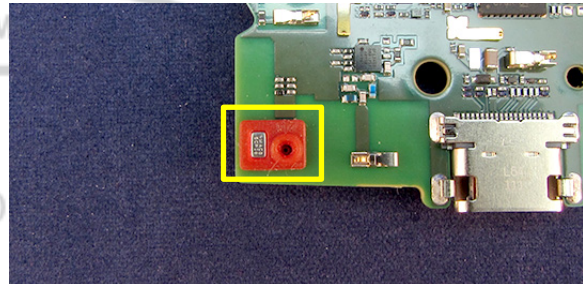
44. Align the Rear-Facing Flash Flex to the BtB Connector on the PCB.
45. Apply rolling pressure to connect the Rear-Facing Flash Flex BtB Connector to the PCB.



## Main-Microphone Grommet Assembly

Description	Reference #
ASSY,PWA,XCVR,VERTEX 3/32 – R ASSY,PWA,XCVR,VERTEX 3/32 – CN ASSY,PWA,XCVR,VERTEX 2/16 – VZW	2
GROM,MIC-1,ADDISON	14
GROM,MIC-3,ADDISON	21

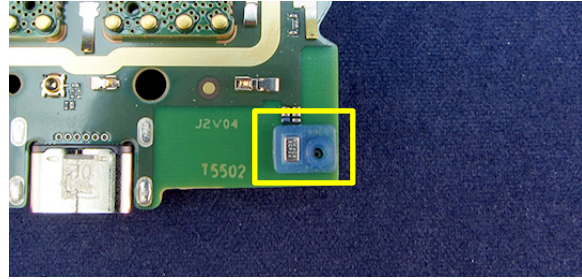
1. Place the PCB on a flat, steady surface, as shown.
2. Remove the Main-Microphone Grommet 1 from the carrier.
3. Place the Main-Microphone Grommet 1 in position over the Microphone on the lower left corner of the PCB.
4. Verify the Main-Microphone Grommet 1 is oriented as shown.
5. Press down on the Main-Microphone Grommet 1 for 5 seconds to secure it to the PCB.
6. Verify the Main-Microphone Grommet 1 is flush to the PCB.



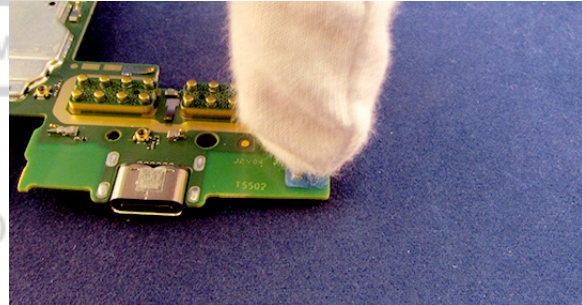
## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

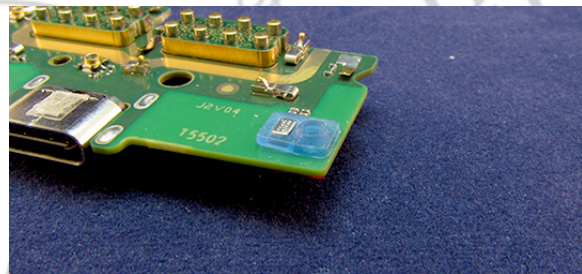
7. Turn the PCB over.
8. Remove the Main-Microphone Grommet 3 from the carrier.
9. Place the Main-Microphone Grommet 3 in position over the Microphone on the lower right corner of the PCB.
10. Verify the Main-Microphone Grommet 3 is oriented as shown.



11. Press down on the Main-Microphone Grommet 3 for 5 seconds to secure it to the PCB.



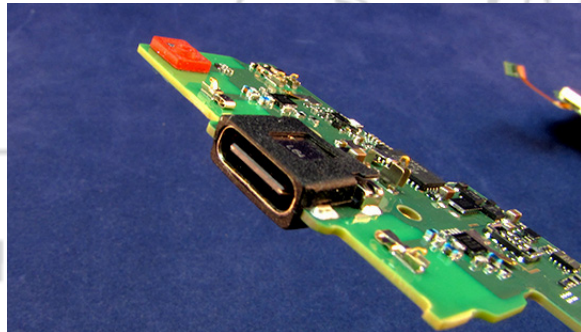
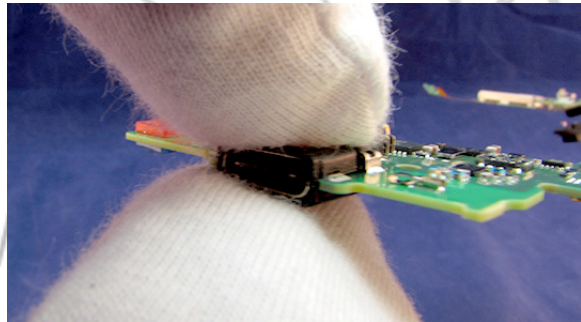
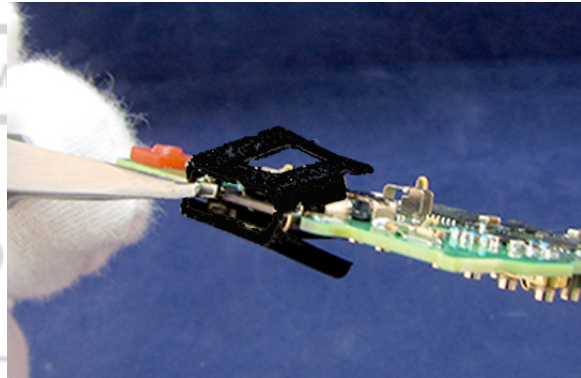
12. Verify the Main-Microphone Grommet 3 is flush to the PCB.



## USB Grommet Assembly

Description	Reference #
ASSY,PWA,XCVR,VERTEX 3/32 – R ASSY,PWA,XCVR,VERTEX 3/32 – CN ASSY,PWA,XCVR,VERTEX 2/16 – VZW	2
GROM,USB,ADDISON	25

1. Remove the adhesive liner from the USB Grommet.
2. Slide the USB Grommet over the USB Port on the PCB.
3. Press on both sides of the USB Grommet for 5 seconds to secure it to the PCB.
4. Verify the USB Grommet is flush to the USB Port, and oriented as shown.

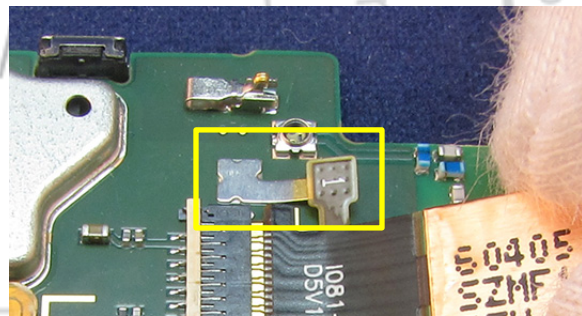
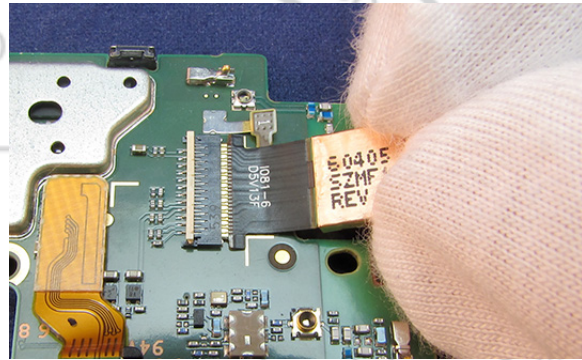




## Front-Facing Imager Assembly

Description	Reference #
ASSY,PWA,XCVR,VERTEX 3/32 – R ASSY,PWA,XCVR,VERTEX 3/32 – CN ASSY,PWA,XCVR,VERTEX 2/16 – VZW	2
ASSY,CAMR,5MP,FRONT IMGR	19
DIE CUT,KAPTON, UNIVERSAL, 7 X 3	34

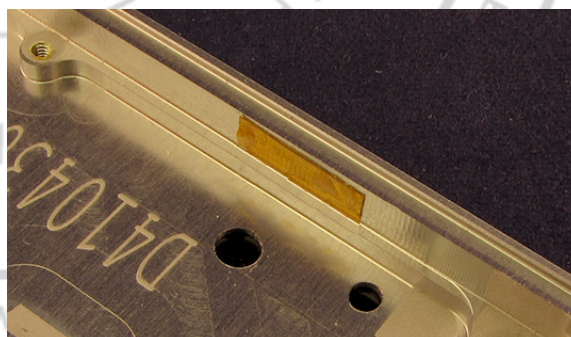
1. Remove the protective liner from the Front-Facing Imager, if present.
2. Place the PCB on a flat, steady surface.
3. Verify the Front-Facing Imager ZIF Connector Door is open.
4. Insert the Front-Facing Imager Flex into the Front-Facing Imager Flex ZIF Connector.
5. Verify the Front-Facing Imager Flex is on top of the spring contact.
6. Slide a fingertip across the ZIF Connector Door to close it.
7. Place Kapton tape over the Front-Facing Imager ZIF Connector Door.



## Housing Preparation

Description	Reference #
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3
DIE CUT,KAPTON TAPE,PCB STOPPER,ADDISON	--
GROM,ACCY CONT PUCK GROM,ACCY CONT PUCK,FINE GLD	24 (qty 2)
LBL,WATER, DETECT	--
DIE CUT,ADHES,BATTERY,ADDISON	3.8
DIE CUT,ADHESIVE,INLAY,ADDISON	3.16

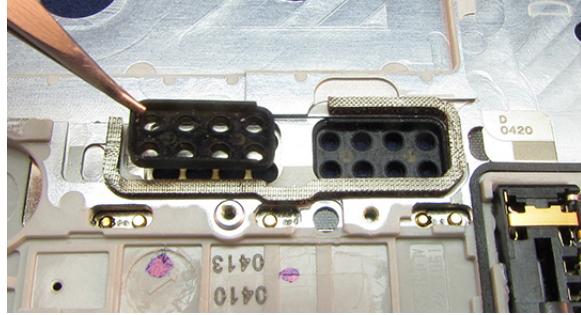
1. Remove the adhesive liner from the PCB Stopper Tape.
2. Place the PCB Stopper Tape on the lower right wall of the Housing, as shown.
  - Align the bottom of the Tape to the wall ledge.
  - Align the center of the Tape to the center of the hole in the Housing floor.
3. Press down on the PCB Stopper Tape for 5 seconds to secure it to the Housing.



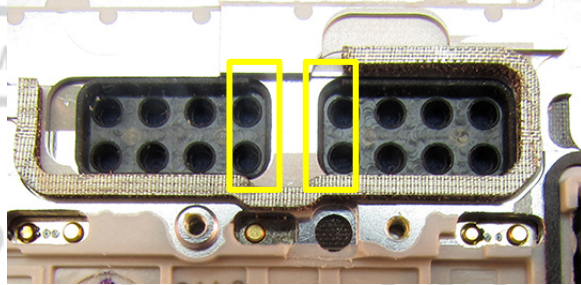
## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

4. Place the 2 Puck Connector Grommets into the pockets at the bottom of the Housing.



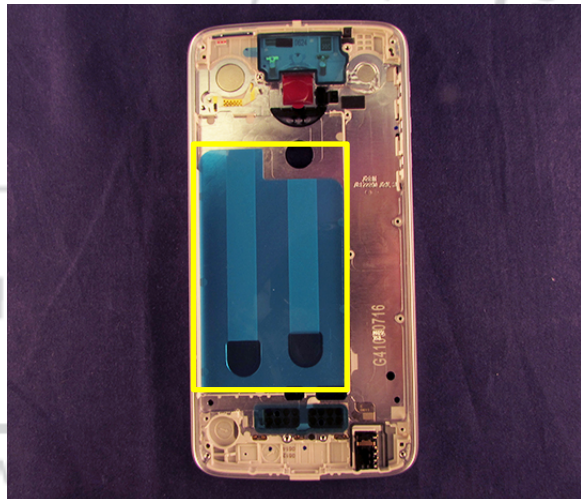
5. Verify the orientation of the Puck Connector Grommet cutouts.
6. Verify the Puck Connector Grommets are flush to the Housing.



7. Remove the WDL from the carrier.
8. Place the WDL on the upper left corner of the Housing, as shown.
9. Press down on the WDL for 5 seconds to secure the WDL to the Housing.



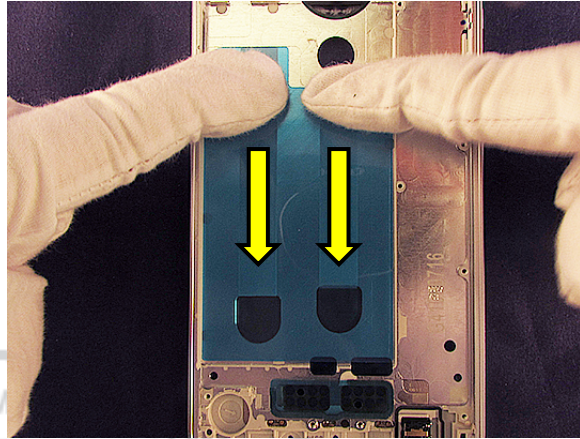
10. Remove the protective liner from the Battery Adhesive.
11. Place the Battery Adhesive into the pocket of the Housing. Align the Adhesive to the bottom of the pocket.



## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

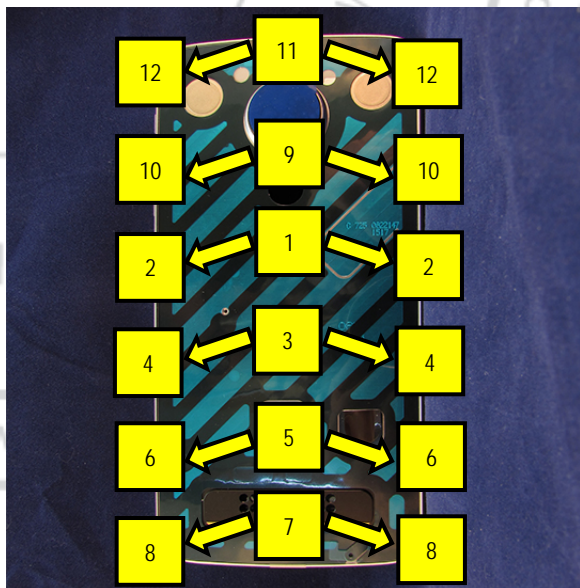
12. Apply manual pressure to secure the Battery Adhesive. Place a finger on the top of each adhesive strip and slide them down.



13. Remove the protective liner from the Rear Inlay Adhesive.
14. Place the Rear Inlay Adhesive on the rear of the Housing. Align the Adhesive to the recessed edge of the Housing, the Rear-Facing Imager Bezel, and the Battery Tab holes.



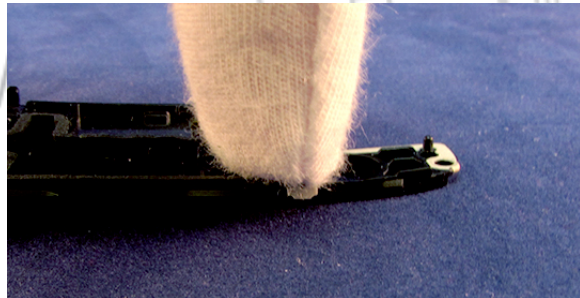
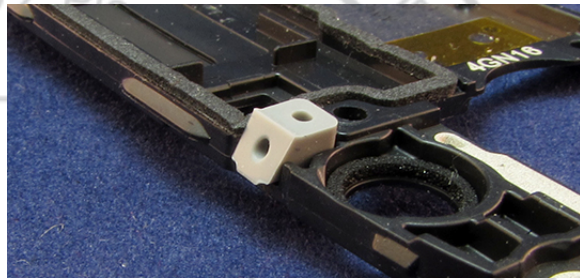
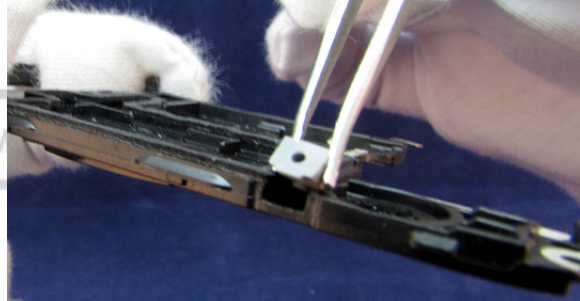
15. Apply manual pressure as follows to secure the Rear Inlay Adhesive to the Housing:
  - a. Place both thumbs on point 1 and slide them out to points 2.
  - b. Place both thumbs on point 3 and slide them out to points 4.
  - c. Place both thumbs on point 5 and slide them out to points 6.
  - d. Place both thumbs on point 7 and slide them out to points 8.
  - e. Place both thumbs on point 9 and slide them out to points 10.
  - f. Place both thumbs on point 11 and slide them out to points 12.



## Secondary-Microphone Grommet Assembly

Description	Reference #
ASSY,HSG,TOP ACSTC CARRIER,ADDISON	10
GROM,MIC 2,ADDISON	--

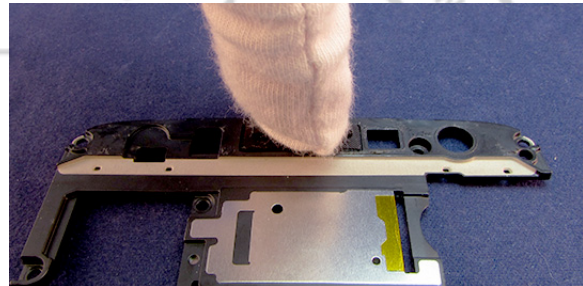
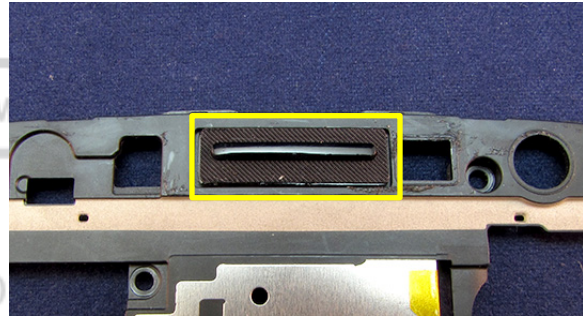
1. Remove the Secondary-Microphone Grommet from the carrier.
2. Use the Tweezers to place the Secondary-Microphone Grommet in the pocket of the Top Carrier.
3. Verify the Secondary-Microphone Grommet is oriented as shown.
4. Press down on the Secondary-Microphone Grommet for 5 seconds to secure it to the Top Carrier.



## Audio Bezel Assembly

Description	Reference #
ASSY,HSG,TOP ACSTC CARRIER,ADDISON	10
ASSY,HSG,AU DECO BEZEL,BLACK,ADDISON	7
ASSY,HSG,AU DECO BEZEL,WHITE,ADDISON	

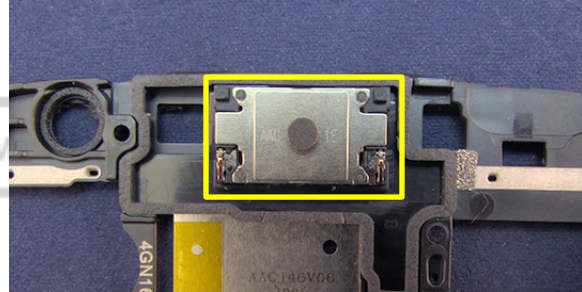
1. Remove the adhesive liner from the Top Carrier, if present.
2. Remove the Audio Bezel from the carrier.
3. Place the Audio Bezel in the pocket of the Top Carrier, aligning it to the pins in the pocket.
4. Press down on the Audio Bezel for 5 seconds to secure it to the Top Carrier.
5. Remove the protective liner from the Audio Bezel.



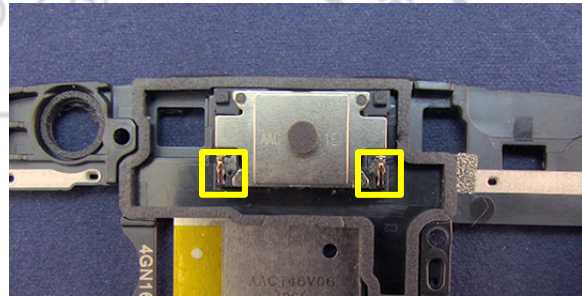
## Earpiece Speaker Assembly

Description	Reference #
ASSY,HSG,TOP ACSTC CARRIER,ADDISON	10
LOUD,SPEAKER,9X16X3	10.2

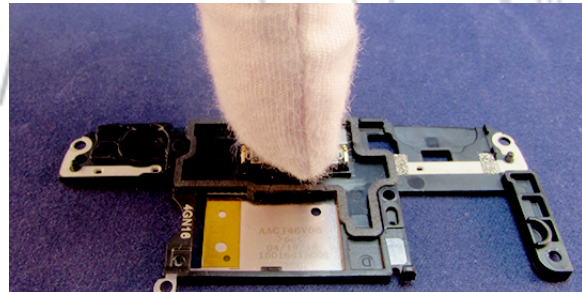
1. Remove the Earpiece Speaker from the carrier.
2. Place the Earpiece Speaker in the pocket of the Top Carrier.



3. Verify the orientation of the contacts.



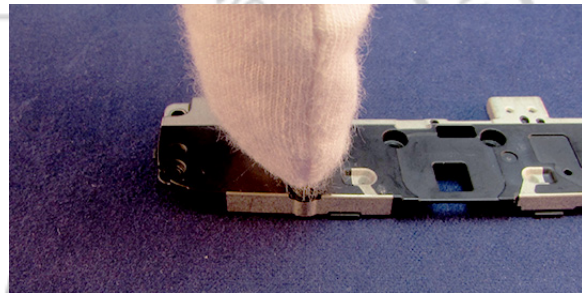
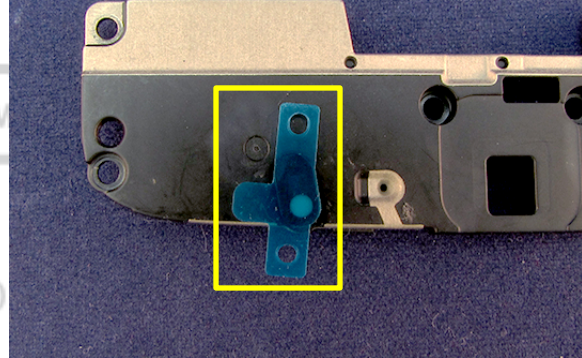
4. Press down on the Earpiece Speaker for 5 seconds to secure it to the Top Carrier.



## Main-Microphone Mesh Assembly

<i>Description</i>	<i>Reference #</i>
ASSY,HSG,BOT ACSTC CARRIER,ADDISON	11
SCRN,MESH,MIC 1,WHITE,ADDISON SCRN,MESH,MIC 1,ADDISON	13

1. Remove the Main-Microphone Mesh from the carrier.
2. Place the Main-Microphone Mesh on the Bottom Carrier, aligning it to the etched recess.
3. Verify the Main-Microphone Mesh is oriented as shown.
4. Press down on the Main-Microphone Mesh for 5 seconds to secure it to the Bottom Carrier.
5. Remove the protective liner from the Main-Microphone Mesh.

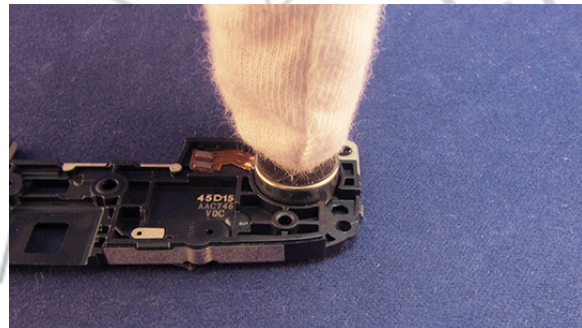




## Vibrator Assembly

Description	Reference #
ASSY,HSG,BOT ACSTC CARRIER,ADDISON	11
ASSY,HSG,LINEAR VIBRATOR,ADDISON	12

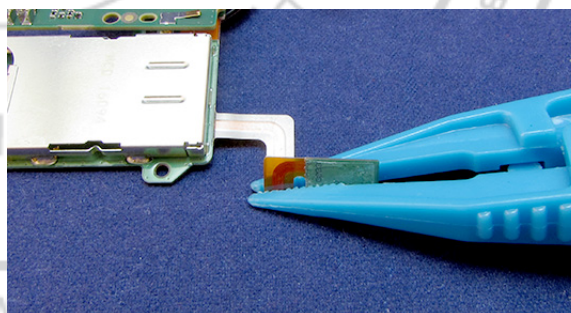
6. Remove the adhesive liners from the Vibrator and Vibrator Flex.
7. Place the Vibrator in the pocket of the Bottom Carrier. Align the Vibrator Flex to the etched recess.
8. Press down on the Vibrator and Flex for 5 seconds to secure them to the Bottom Carrier.



## PCB Assembly

Description	Reference #
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3
ASSY,PWA,XCVR,VERTEX 3/32 – R ASSY,PWA,XCVR,VERTEX 3/32 – CN ASSY,PWA,XCVR,VERTEX 2/16 – VZW	2
ASSY,FLXCKT,SD/SIM CARD,ADDISON	23
ASSY,PWA,REAR FLSH LED,ADDISON ASSY,HSG,REAR FLSH FLEX,ADDISON	26
ASSY,HSG,REAR FLSH FLX HOLDER,ADDISON	27

1. Use the Plastic Tweezers to create a 90-degree bend in the Magnetometer Flex, as shown.



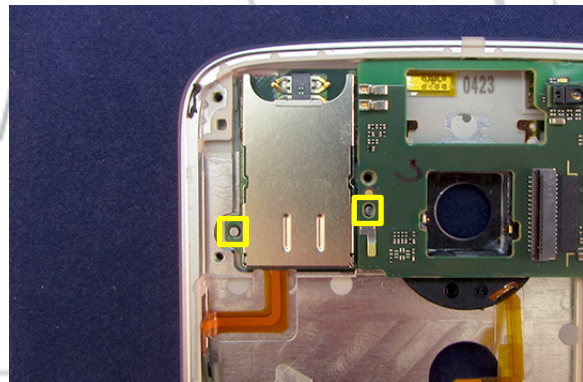
## Moto Z Play (Droid) / Moto Z Play

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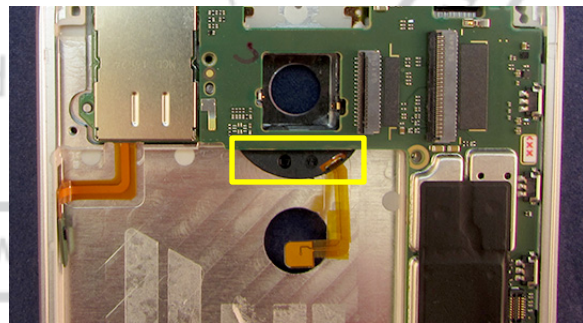
2. Remove the adhesive liner from the Rear-Facing Flash.
3. Remove any remaining liners from the Housing and PCB.
4. Lower the PCB straight down into the Housing, keeping the Magnetometer Flex from tucking underneath the PCB.
5. Align the PCB to the 9 screw bosses.



6. Align the SIM/SD PCB and Main PCB to the 2 Housing pins.



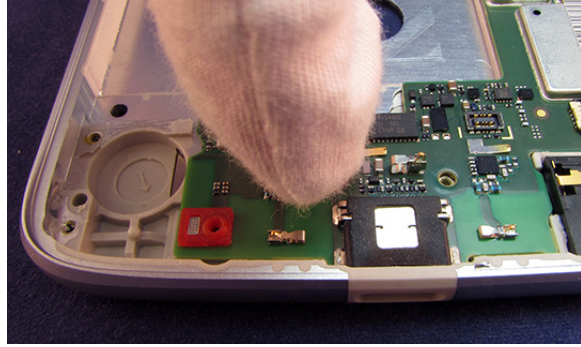
7. Align the Rear-Facing Flash Carrier to the pocket in the Housing.



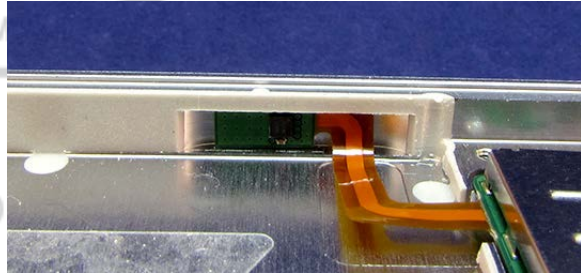
## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

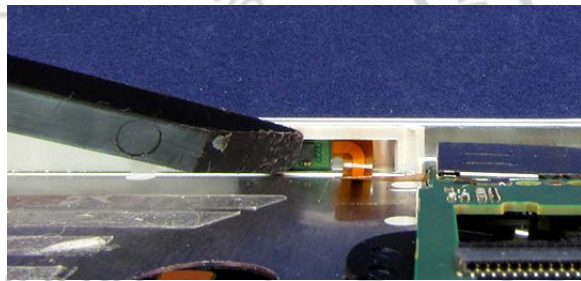
8. Press down on the bottom of the PCB, to the left of the USB Port, until the PCB snaps into place.



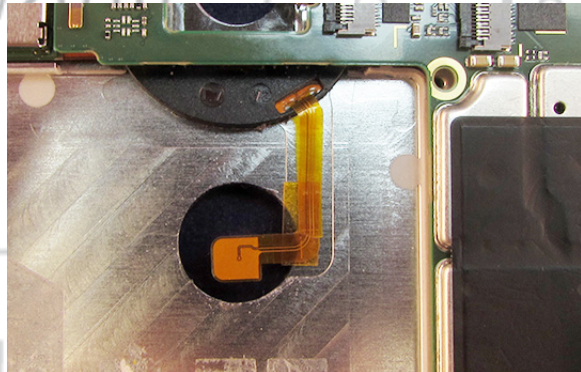
9. Remove the adhesive liner from the Magnetometer Flex.
10. Place the Magnetometer Flex in the pocket of the Housing wall.



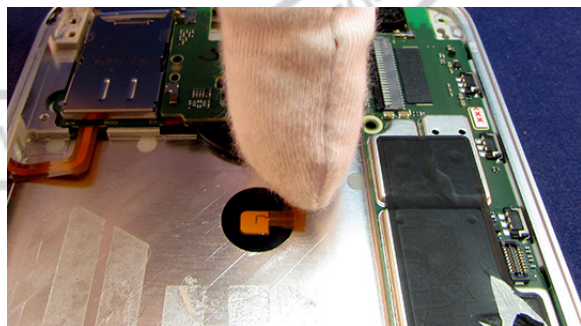
11. Use the flat end of the Blackstick to press on the Magnetometer Flex for 5 seconds to secure it to the Housing.



12. Remove the adhesive liner from the Battery Temperature Sensor Flex.
13. Place the Battery Temperature Sensor Flex on the Housing floor, aligning it to the etched recess.



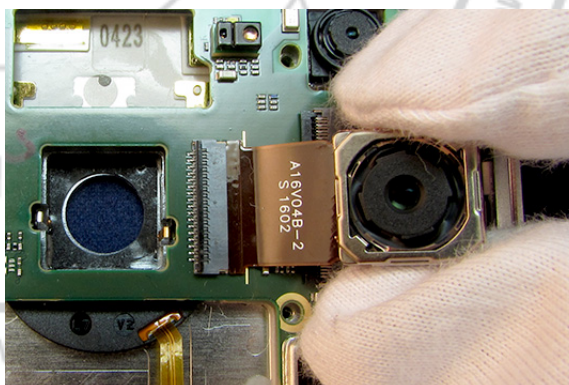
14. Press on the Battery Temperature Sensor Flex for 5 seconds to secure it to the Housing.



## Rear-Facing Imager Assembly

Description	Reference #
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3
ASSY,PWA,XCVR,VERTEX 3/32 – R ASSY,PWA,XCVR,VERTEX 3/32 – CN ASSY,PWA,XCVR,VERTEX 2/16 – VZW	32
IMGR MDL,CMOS,16MP,10.5X10.5X6.0,MIPI,6P,1/2.3,LAND,2.8V IMGR MDL,CMOS,16MP,10.59X10.59X5.80,MIPI	28
DIE CUT,KAPTON, UNIVERSAL, 10 X 4	17

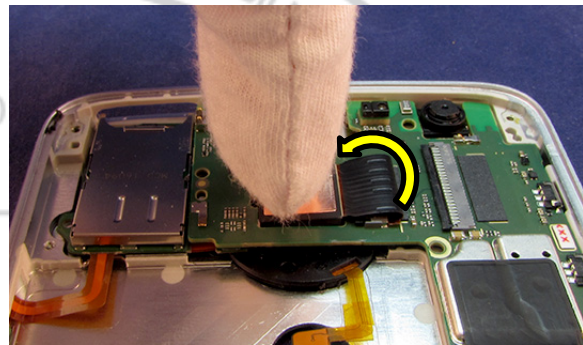
1. Remove the protective liner from the Rear-Facing Imager, if present.
2. Verify that the Rear-Facing Imager ZIF Connector Door is open.
3. Insert the Rear-Facing Imager Flex into the Rear-Facing Imager Flex ZIF Connector.



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4. Slide a fingertip across the ZIF Connector Door to close it.
5. Place Kapton Tape over the Rear-Facing Imager ZIF Connector Door.
6. Remove the protective liner from the Rear-Facing Imager, if present.
7. Remove the protective liner from the pocket of the Housing, if present.
8. Spray the Housing pocket with compressed air to remove any dust or foreign material.
9. Fold the Rear-Facing Imager Flex to the left, and lower the Rear-Facing Imager straight down into the pocket of the Housing.
10. Press down on the Rear-Facing Imager for 5 seconds to secure it to the Housing.

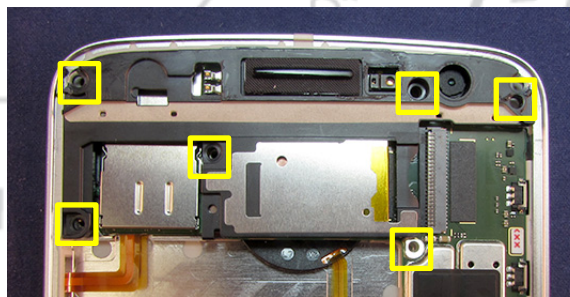


10/26/2016

## Top Carrier Assembly

Description	Reference #
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3
ASSY,PWA,XCVR,VERTEX 3/32 – R ASSY,PWA,XCVR,VERTEX 3/32 – CN ASSY,PWA,XCVR,VERTEX 2/16 – VZW	2
ASSY,HSG,TOP ACSTC CARRIER,ADDISON	10
SCR,M1.4,ENDO, 3.6	8 (qty 8)

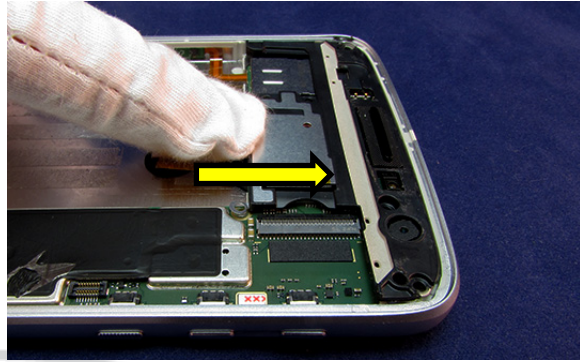
1. Remove any protective liners from the Top Carrier and Front-Facing Imager, if present.
2. Place the Top Carrier over the Housing and PCB, aligning it to the screw bosses.
3. Press down on the top edge of the Top Carrier to engage the 3 snaps.



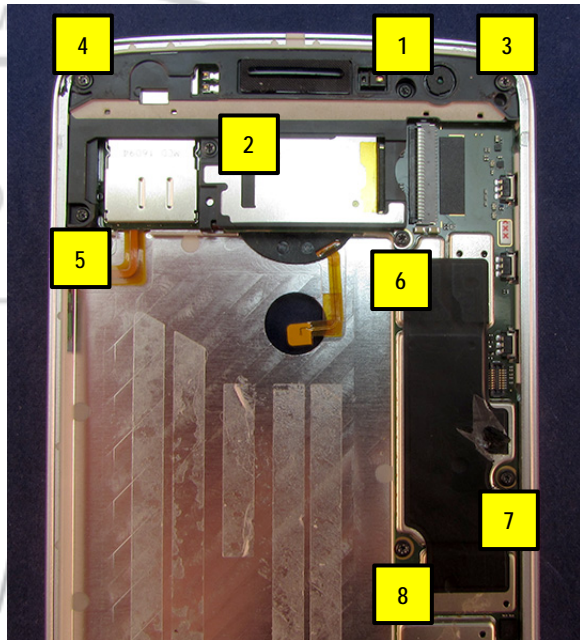
## Moto Z Play (Droid) / Moto Z Play

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4. Push the bottom edge of the Top Carrier toward the top of the phone to engage the remaining snap.



5. Verify the Top Carrier is fully seated.
6. Use the Torque Driver and 3IP Torx Bit to tighten the 8 3IP Machine Screws to  $1.0 \pm 0.10$  in-lb ( $0.11 \pm 0.01$  N·m), in the order shown.





## Battery Assembly

Description	Reference #
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3
ASSY,PWA,XCVR,VERTEX 3/32 – R ASSY,PWA,XCVR,VERTEX 3/32 – CN ASSY,PWA,XCVR,VERTEX 2/16 – VZW	34
ASSY,BAT,LI POLY,GL40,3600MAH,ATL ASSY,BAT,LI POLY,GL40,3600MAH,SONY	35
DIE CUT,TAPE,BATTERY PULL TAB	31
DIE CUT,TAPE,BATTERY STIFNR LONG	30
DIE CUT,TAPE,BATTERY STIFNR SHORT	32
DIE CUT,ADHES,BATTERY,ADDISON	3.8

**/// WARNING ///**

Failure to adhere to Safety Critical Note(s) may increase risk of rupture, burning, or failure to function safely when used by the customer. Refer to the Battery Safety Guidelines.

**// CAUTION //**

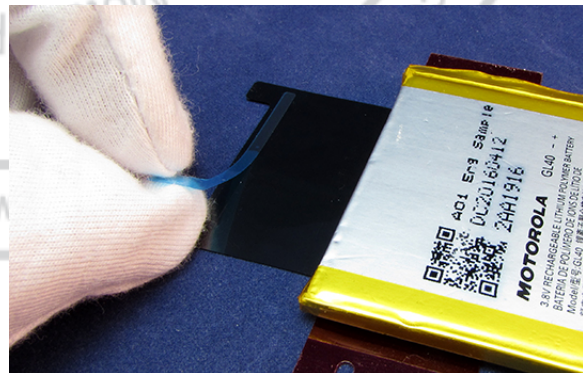
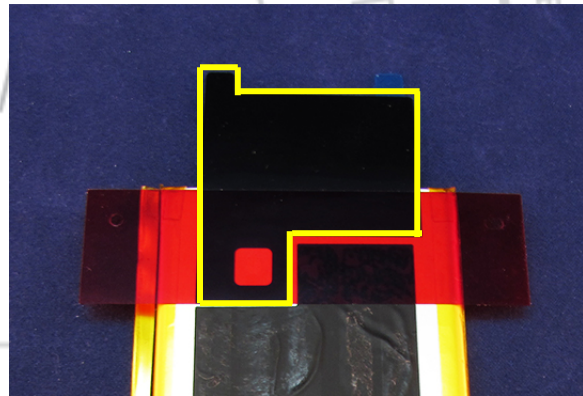
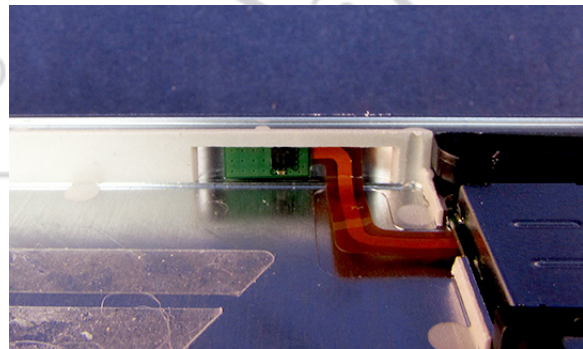
Handle the Battery Pack with care. If dropped to the floor, it may be internally damaged and must be scrapped.

Ensure Battery and its insulation are not damaged (e.g. scratched, dented, punctured) prior to and throughout assembly.

Prior to assembly, ensure Battery edges and surfaces are not dented or deformed, and that fixtures and parts that will contact the Battery are free of foreign material.

Ensure screws and screwdrivers do not contact the Battery.

1. Verify that the Magnetometer Flex is fully assembled and flush to the Housing wall.
2. Remove the Battery Pull Tab from the carrier liner.
3. Place the Battery Pull Tab onto the Battery as shown.
4. Press down on the Battery Pull Tab for 5 seconds to secure it to the Battery.
5. Remove the adhesive liner from the Battery Pull Tab.



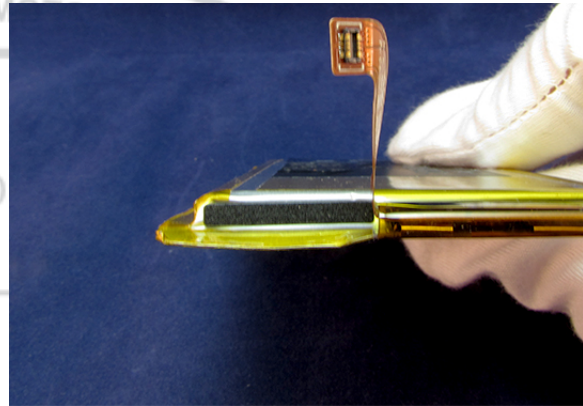
## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

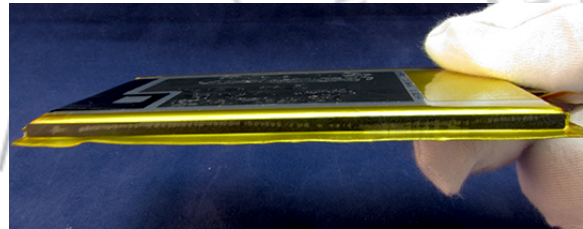
6. Wrap the Battery Pull Tab around the top edge of the Battery.
7. Press down on the Battery Pull Tab for 5 seconds to secure it to the Battery.
8. Remove the remaining alignment liner from the Battery Pull Tab.



9. Remove the Short Stiffener Strip from the carrier.
10. Carefully lift the Battery Flex up 90 degrees.
11. Place the Short Stiffener Strip on the bottom edge of the Battery under the Battery Flex.
12. Press on the Short Stiffener Strip for 5 seconds to secure it to the Battery.
13. Carefully rotate the Battery Flex back to its original position.



14. Remove the Long Stiffener Strip from the carrier.
15. Place the Long Stiffener Strip on the edge of the Battery closest to the Battery Flex.
16. Press on the Long Stiffener Strip for 5 seconds to secure it to the Battery.



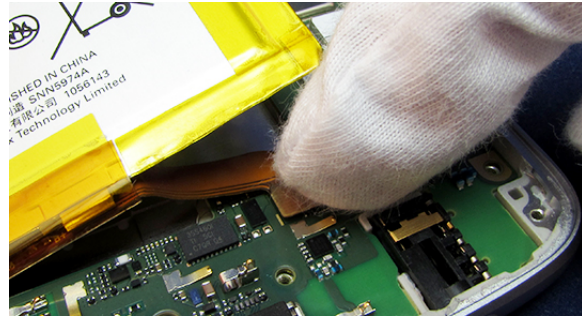
17. Remove the liner from the Battery Adhesive.



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18. Hold the Battery above the pocket in the Housing.
19. Press down on the Battery Flex BTB Connector to connect it to the PCB.



20. Lower the Battery into the pocket of the Housing.



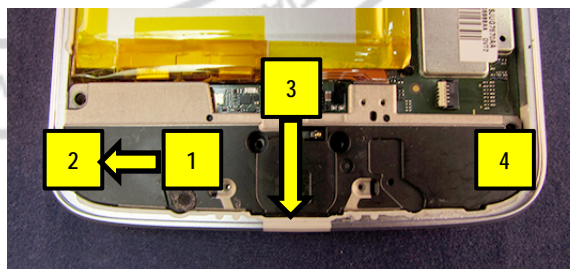
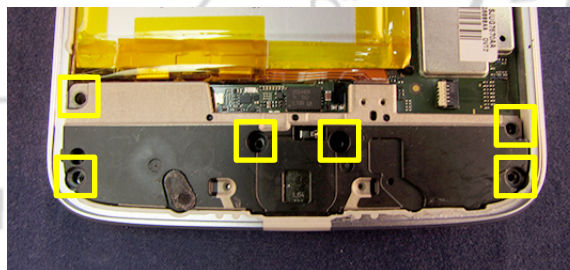
21. Press down on the Battery for 5 seconds to secure it to the Housing.



## Bottom Carrier Assembly

Description	Reference #
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3
ASSY,PWA,XCVR,VERTEX 3/32 – R ASSY,PWA,XCVR,VERTEX 3/32 – CN ASSY,PWA,XCVR,VERTEX 2/16 – VZW	2
ASSY,HSG,BOT ACSTC CARRIER,ADDISON	11
SCR,M1.4,ENDO, 3.6	8 (qty 7)

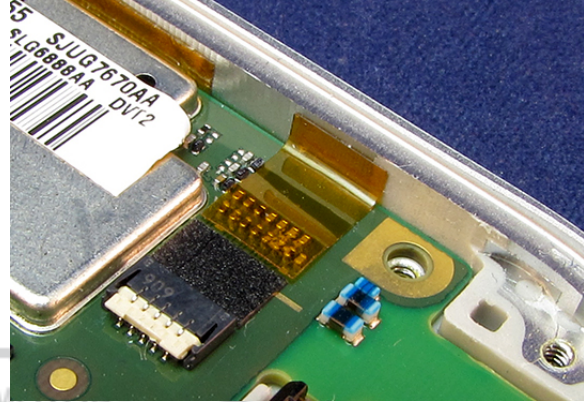
1. Remove any protective liners from the Bottom Carrier, if present.
2. Place the Bottom Carrier over the Housing and PCB, aligning it to the screw bosses.
3. Press down on the Bottom Carrier to engage the 4 snaps. Press in the following order:
  - a. Slide your finger from point 1 to point 2.
  - b. Press the top edge of the Bottom Carrier at point 3 toward the bottom of the phone.
  - c. Press down on point 4.



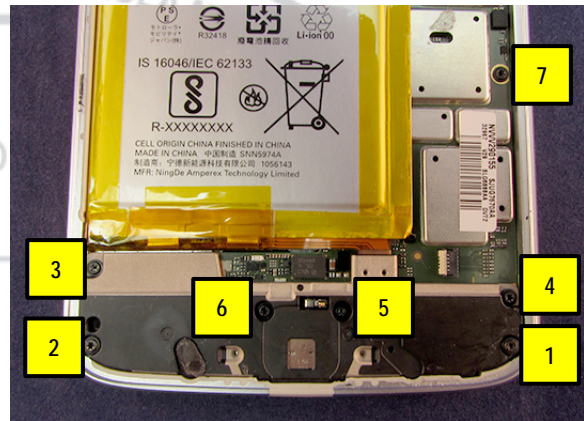
## Moto Z Play (Droid) / Moto Z Play

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4. Place Kapton Tape on the PCB next to the FPS Flex ZIF Connector Pad. Align it to the etched line on the PCB.
5. Extend the Kapton Tape up the Housing wall.



6. Verify the Bottom Carrier is fully seated.
7. Use the Torque Driver and 3IP Torx Bit to tighten the 7 3IP Machine Screws to  $1.0 \pm 0.10$  in-lb ( $0.11 \pm 0.01$  N·m), in the order shown.

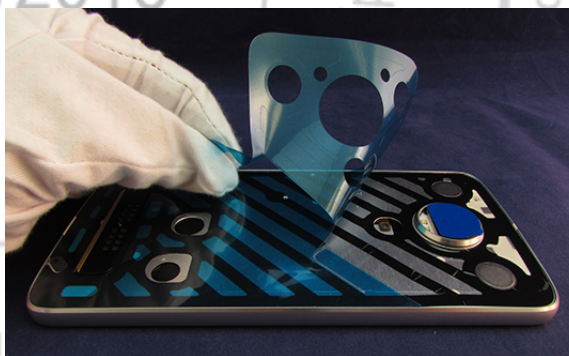


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## Rear Inlay Assembly

Description	Reference #
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3
CVR,GLS INLAY,DECORATED,BLACK,ADDISON CVR,GLS INLAY,DECORATED,WHITE,ADDISON	4

1. Remove the adhesive liner from the back of the Housing.



2. Place the Housing into the Addison Inlay Press Fixture (3-00-K6-10000).



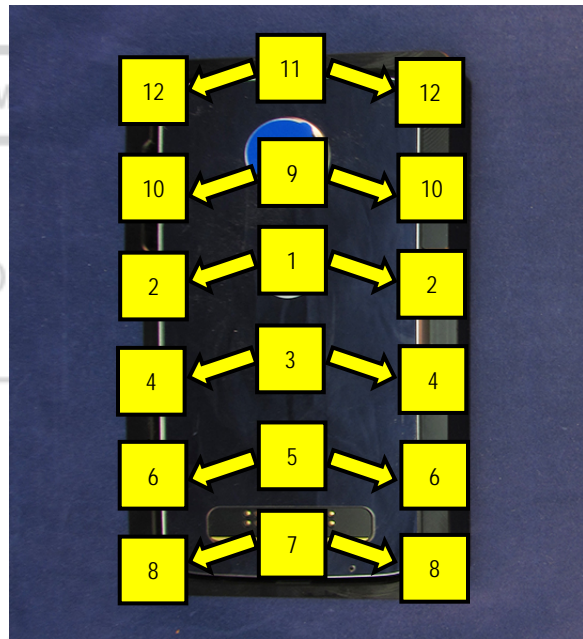
## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

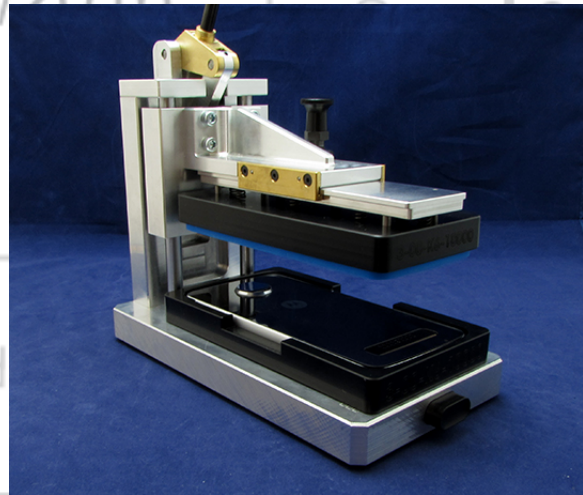
3. Align and place the Rear Inlay into the Fixture over the Housing, starting with the top edge. Use the Rear-Facing Imager Bezel cutout to align the Rear Inlay.
4. Lower the Rear Inlay into position.



5. Apply manual pressure as follows to secure the Rear Inlay to the Housing:
  - a. Place both thumbs on point 1 and slide them out to points 2.
  - b. Place both thumbs on point 3 and slide them out to points 4.
  - c. Place both thumbs on point 5 and slide them out to points 6.
  - d. Place both thumbs on point 7 and slide them out to points 8.
  - e. Place both thumbs on point 9 and slide them out to points 10.
  - f. Place both thumbs on point 11 and slide them out to points 12.



6. Place the Fixture and Housing into the Press (19501980).
7. Place the Addition Inlay Press Head (3-00-K6-10000) into the Press.
8. Press the Rear Inlay for 5 seconds to secure it to the Housing.





## Display Adhesive Assembly

Description	Reference #
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3
DIE CUT,ADHESIVE,MAIN LENS BND	5

1. Use cotton swabs and ISP Alcohol to clean the Display bonding ledge on the Housing. The Display bonding ledge is highlighted in the photo.

**// CAUTION //**

Display bonding ledge cleaning is critical to the phone's water resistance. You must thoroughly clean the surface with ISP Alcohol and allow it to dry completely before applying 3M AP-111 Adhesion Promoter.

2. Wait for the ISP Alcohol to dry completely.
3. Repeat steps 1-2 one time.



**// CAUTION //**

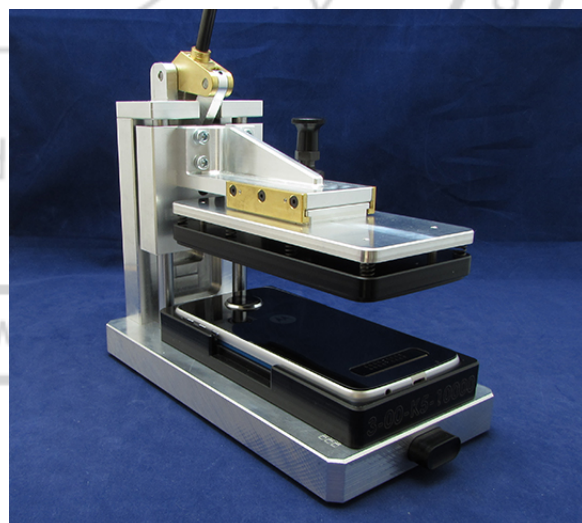
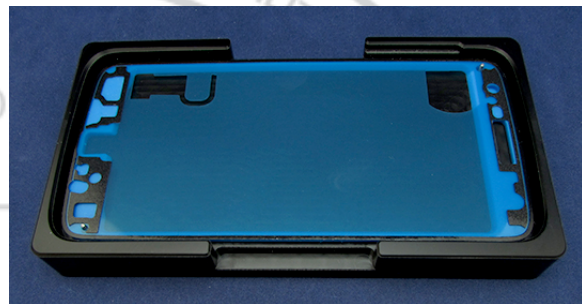
Do not use the same cotton swabs to clean with ISP Alcohol and apply 3M AP-111 Adhesion Promoter. The Display will not properly adhere to the Housing if the cotton swabs are reused. The cotton swabs may be used for 2 applications of the same chemical, but then must be discarded.

4. Use clean cotton swabs to apply 3M AP-111 Adhesion Promoter to the Display bonding ledge.
5. Wait for the 3M AP-111 Adhesion Promoter to dry.
6. Remove the Display Adhesive from the carrier.
7. Place the Display Adhesive into the Addison Main Lens Alignment and Press Fixture (3-00-K5-10000), aligning it to the pins in the Fixture.

**// CAUTION //**

Verify that the ISP Alcohol and 3M AP-111 Adhesion Promoter have dried completely before proceeding. Failure to do so can cause the Display to improperly adhere and reduce the phone's water resistance.

8. Place the Housing into the Fixture over the Display Adhesive.
9. Place the Fixture and Housing into the Press (19501980).
10. Place the Addison Main Lens Alignment and Press Head (3-00-K5-10000) into the Press.
11. Press the Housing for 5 seconds to secure the Display Adhesive.



## Fingerprint Sensor Assembly

Description	Reference #
ASSY,HSG,LENS/DISPLAY,BLACK,PRODUCTION,2.5D,ADDISON ASSY,HSG,LENS/DISPLAY,WHITE,PRODUCTION,2.5D,ADDISON	1
ASSY,FLXCKT,FINGER PRINT SENSOR,BLACK,O-FILM,ADDISON ASSY,FLXCKT,FINGER PRINT SENSOR,ADDISON ASSY,FLXCKT,FINGER PRINT SENSOR,WHITE,O-FILM,ADDISON ASSY,FLXCKT,FINGER PRINT SENSOR,WHITE,CRUCIALTEC,ADDISON	6
DIE CUT,KAPTON TAPE,FPS	--

1. Use cotton swabs and ISP Alcohol to clean the FPS bonding surface. The FPS bonding surface is highlighted in the photo.

### // CAUTION //

FPS bonding surface cleaning is critical to the phone's water resistance. You must thoroughly clean the bonding surface with ISP Alcohol and allow it to dry completely before applying 3M AP-111 Adhesion Promoter.



2. Wait for the ISP Alcohol to dry.

### // CAUTION //

Do not use the same cotton swabs to clean with ISP Alcohol and apply 3M AP-111 Adhesion Promoter. The FPS will not properly adhere to the Display if the cotton swabs are reused. The cotton swabs may be used for 2 applications of the same chemical, but then must be discarded.

3. Use clean cotton swabs to apply 3M AP-111 Adhesion Promoter to the FPS bonding surface.
4. Wait for the 3M AP-111 Adhesion Promoter to dry.
5. Place the Display into the Addison Display Assembly and Press Fixture (3-00-K7-10000), with the Display side down.



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6. Place the Addison FPS Alignment Lid (3-00-K7-10000) on the Fixture over the Display, using the pins in the Fixture to align it.



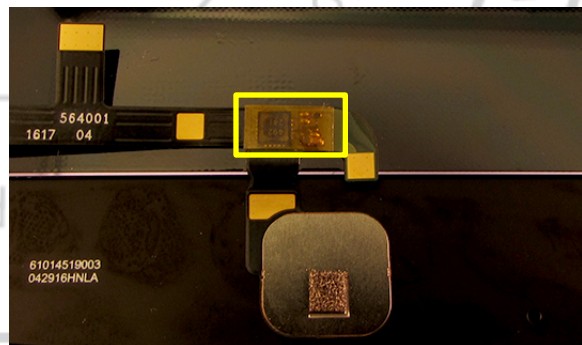
7. Remove the adhesive liners from the FPS and Flex.
8. Place the FPS on the Display, using the hole in the Display and the pin and opening in the Alignment Lid to align the FPS Flex.



9. Lift the Alignment Lid away from the Fixture.
10. Press down on the FPS and Flex for 5 seconds to secure them to the Display.



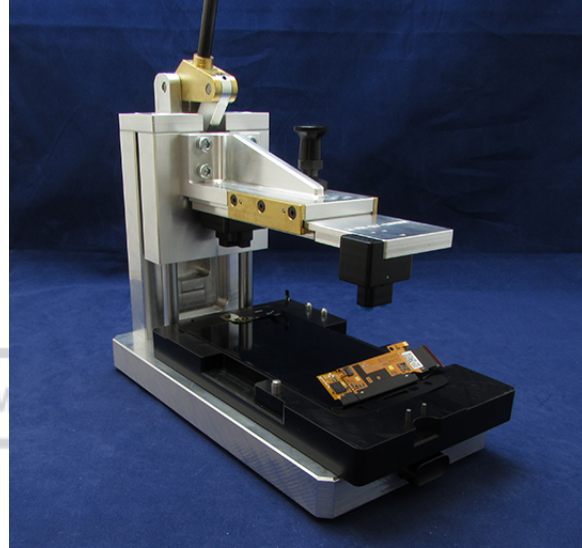
11. Remove the adhesive liner from the FPS Kapton Tape.
12. Place the FPS Kapton Tape over the SMT components on the FPS Flex as shown.



## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

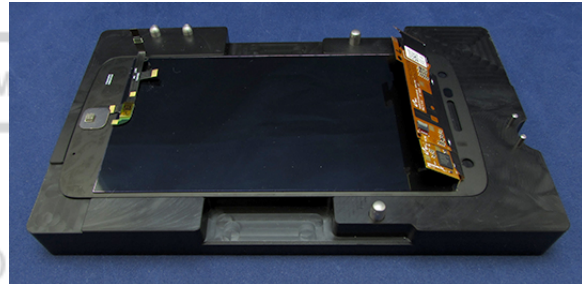
13. Place the Fixture and Display into the Press (19501980).
14. Place the Addison Display Assembly and Press Head (3-00-K7-10000) into the Press.
15. Press the Display for 5 seconds to secure the FPS to the Display.



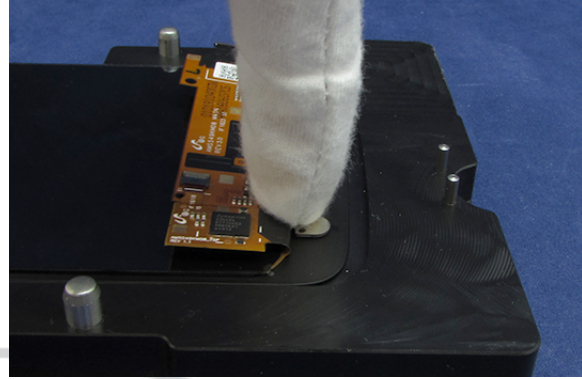
## Front-Facing Flash Flex Assembly

Description	Reference #
ASSY,HSG,LENS/DISPLAY,BLACK,PRODUCTION,2.5D,ADDISON	1
ASSY,HSG,LENS/DISPLAY,WHITE,PRODUCTION,2.5D,ADDISON	
ASSY,HSG,FRNT FLSH MODULE,ADDISON	9
ASSY,HSG,FRNT FLSH MODULE,WHITE, ADDISON	

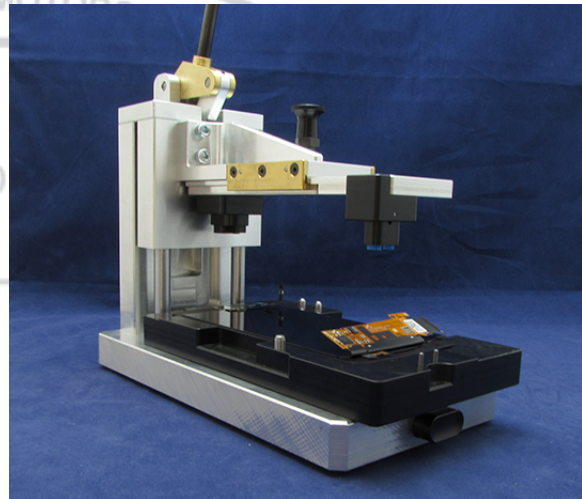
1. Place the Display into the Addison Display Assembly and Press Fixture (3-00-K7-10000), with the Display side down.
2. Place the Addison Flash Alignment Lid (3-00-K7-10000) on the Fixture over the Display, using the pins in the Fixture to align it.
3. Remove the adhesive liner from the Flash Flex.
4. Place the Flash Flex on the Display, using the Flash hole in the Display and the opening in the Alignment Lid to align it.



5. Lift the Alignment Lid away from the Fixture.
6. Press down on the Flash and Flash Flex for 5 seconds to secure them to the Display.



7. Place the Fixture and Display into the Press (19501980).
8. Place the Addison Display Assembly and Press Head (3-00-K7-10000) into the Press.
9. Press the Display for 5 seconds to secure the Flash Flex to the Display.



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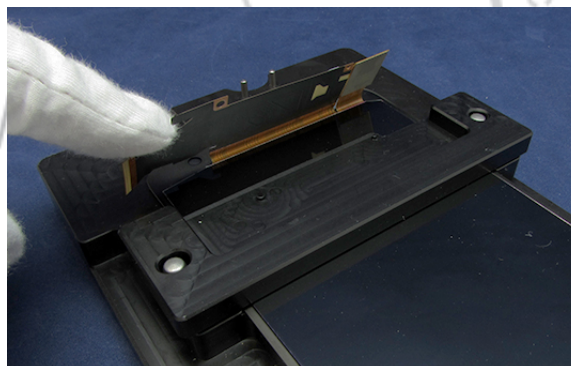
## Display Preparation

<i>Description</i>	<i>Reference #</i>
ASSY,HSG,LENS/DISPLAY,BLACK,PRODUCTION,2.5D,ADDISON	1
ASSY,HSG,LENS/DISPLAY,WHITE,PRODUCTION,2.5D,ADDISON	
DIE CUT,COP TAPE, TOUCH FLEX, ADDISON	--
PAD,DISPLAY,ADDISON	--
DIE CUT,KAPTON TAPE,PROTECTIVE,DISPLAY	--
DIE CUT,TAPE,CONDUCTIVE,TOUCH FLX GNDNG #1	-- (qty 2)
DIE CUT,TAPE,CONDUCTIVE,TOUCH FLX GNDNG #2	-- (qty 3)
DIE CUT,KAPTON TAPE,MAIN PCB 2	--

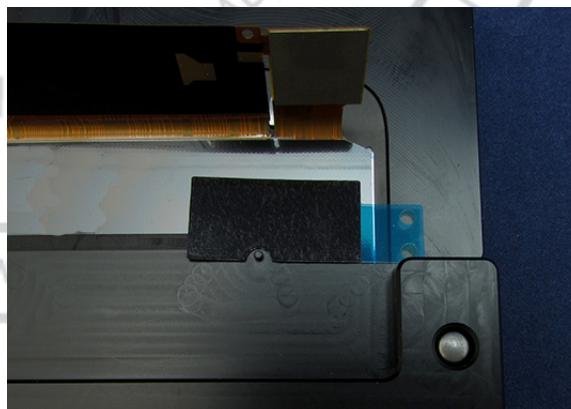
1. Place the Display into the Addison Display Assembly and Press Fixture (3-00-K7-10000), with the Display side down.



2. Lift the Display Flex away from the Display.
3. Place the Addison Display Flex Alignment Lid (3-00-K7-10000) on the Fixture over the Display, using the pins in the Fixture to align it.



4. Remove the adhesive liner from the Touch Flex Copper Tape.
5. Place the Touch Flex Copper Tape on the Display, with the adhesive side up. Align the bottom edge of the Tape to the pin and edge of the Alignment Lid.





6. Lower the Display Flex over the Touch Flex Copper Tape, aligning the Flex to the pins in the Alignment Lid.

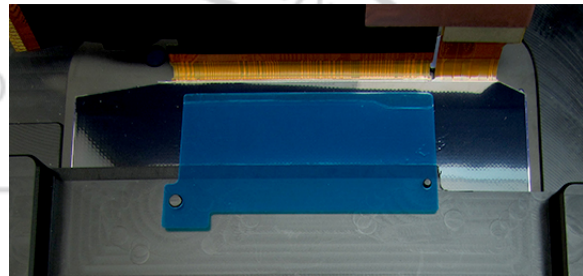
**// CAUTION //**

Do not apply excessive pressure to this area of the Display Flex.

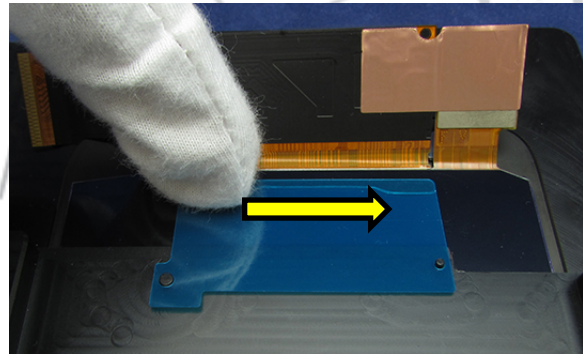


7. Lift the Display Flex away from the Display.
8. Remove the protective liner from the Touch Flex Copper Tape.

9. Remove the adhesive liner from the Display Pad.
10. Place the Display Pad on the Alignment Lid, with the adhesive side down. Align the Display Pad to the pins in the Alignment Lid.



11. Slide your finger along the Display Pad to secure it to the Display.



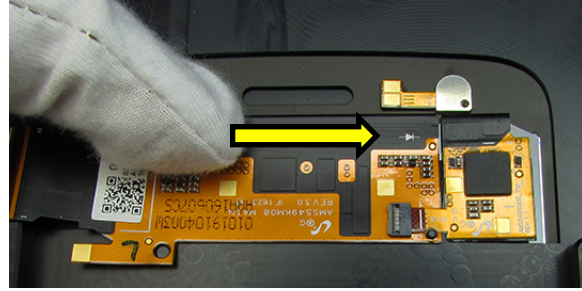
12. Remove the alignment liner from the Display Pad.
13. Lower the Display Flex over the Display Pad, aligning the Flex to the pins in the Alignment Lid.



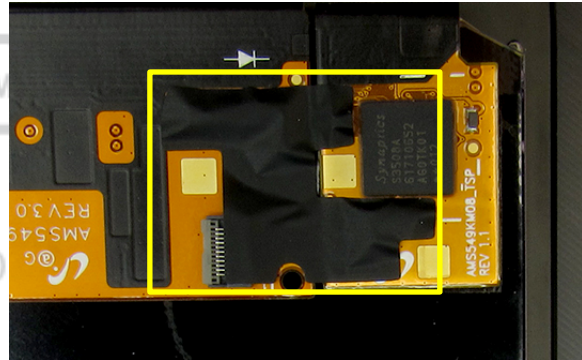
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14. Lightly press down on the length of the Display Flex to secure it to the Display Pad.
15. Remove the Display Flex from the pins, and lift the Alignment Lid away from the Fixture.



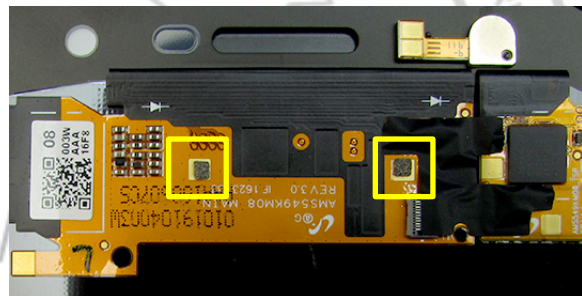
16. Remove the adhesive liner from the black Display Flex Kapton Tape.
17. Place the black Display Flex Kapton Tape on the Display Flex as shown. Use the bottom of the Display Flex and the alignment hole as alignment guides.



#### // CAUTION //

Do not apply excessive pressure to this area of the Display Flex.

18. Remove 2 #1 Conductive Pads from the carrier and place them on the Display Flex at the locations shown.



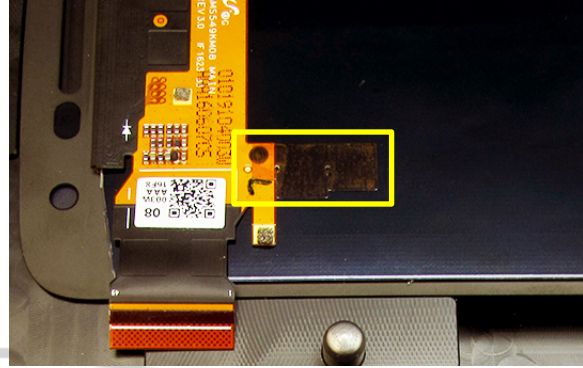
19. Remove 3 #2 Conductive Pads from the carrier and place them on the Display Flex at the locations shown.



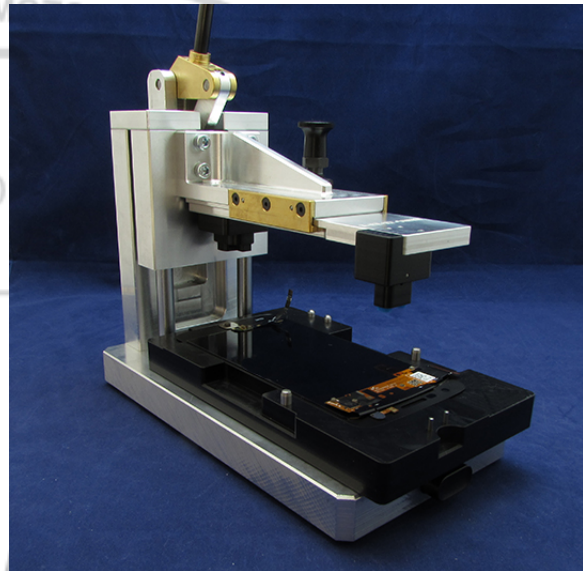
## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

20. Remove the adhesive liner from the yellow Display Flex Kapton Tape.
21. Place the yellow Display Flex Kapton Tape on the Display Flex as shown. Use the bottom of the Display Flex and the alignment hole as alignment guides.
22. Lightly press down on the yellow Display Flex Kapton Tape to secure it to the Display and Flex.



23. Place the Fixture and Display into the Press (19501980).
24. Place the Addison Display Assembly and Press Head (3-00-K7-10000) into the Press.
25. Press the Display for 5 seconds to secure the Flash Flex to the Display.



## Display Assembly

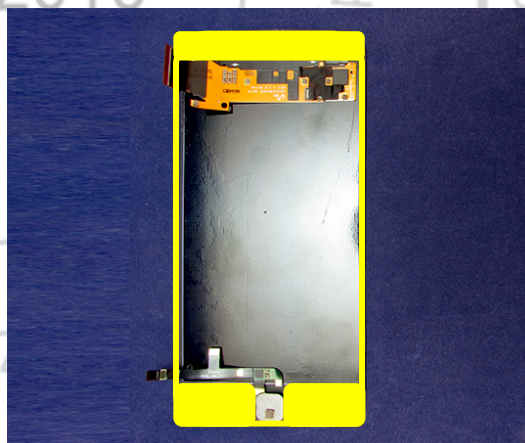
Description	Reference #
ASSY,HSG,LENS/DISPLAY,BLACK,PRODUCTION,2.5D,ADDISON ASSY,HSG,LENS/DISPLAY,WHITE,PRODUCTION,2.5D,ADDISON	1
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3

1. Use cotton swabs and ISP Alcohol to clean the Display bonding surface. The Display bonding surface is highlighted in the photo.

**// CAUTION //**

Display bonding surface cleaning is critical to the phone's water resistance. You must thoroughly clean the surface with ISP Alcohol and allow it to dry completely before applying 3M AP-111 Adhesion Promoter.

2. Wait for the ISP Alcohol to dry completely.
3. Repeat steps 1-2 one time.



**// CAUTION //**

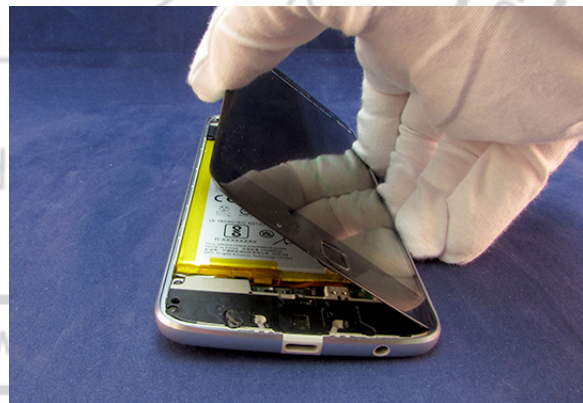
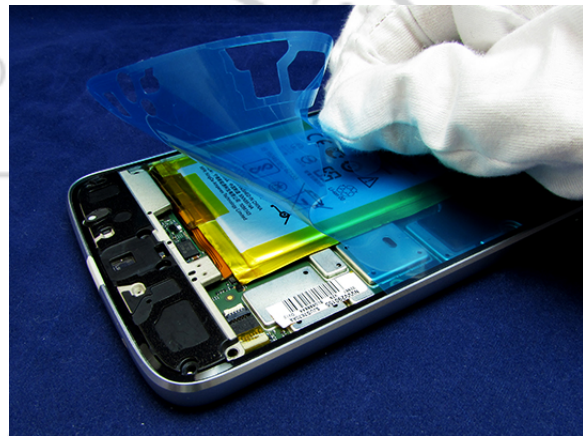
Do not use the same cotton swabs to clean with ISP Alcohol and apply 3M AP-111 Adhesion Promoter. The Display will not properly adhere to the Housing if the cotton swabs are reused. The cotton swabs may be used for 2 applications of the same chemical, but then must be discarded.

4. Use clean cotton swabs to apply 3M AP-111 Adhesion Promoter to the Display bonding surface.
5. Wait for the 3M AP-111 Adhesion Promoter to dry.

**// CAUTION //**

Verify that the ISP Alcohol and 3M AP-111 Adhesion Promoter have dried completely before proceeding. Failure to do so can cause the Display to improperly adhere and reduce the phone's water resistance.

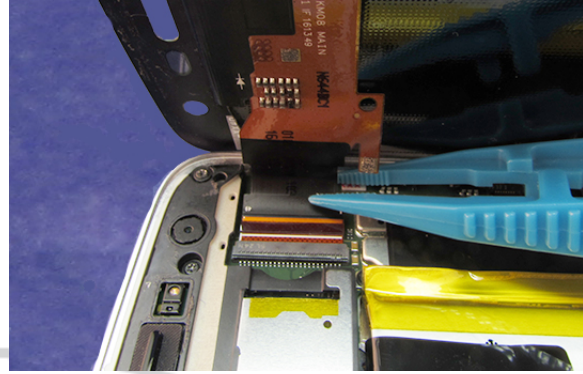
6. Remove the Display Adhesive liner from the Housing.
7. Remove any other remaining liners from the Housing components.
8. Remove any remaining liners from the back of the Display.
9. Place the right edge of the Display into the Housing at a 45-degree angle away from the Housing.



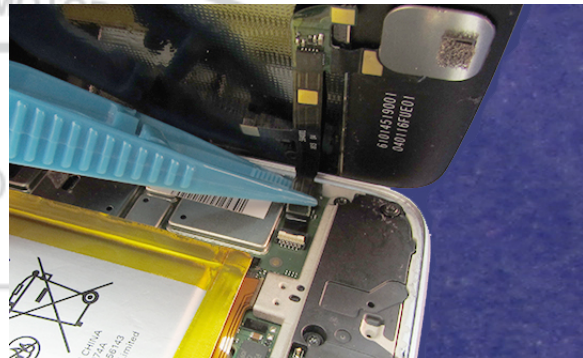
## Moto Z Play (Droid) / Moto Z Play

### Level 2 – Service and Repair Manual

10. Verify the Display Flex ZIF Connector Door is open.
11. Insert the Display Flex into the Display Flex ZIF Connector. Use the white line as a guide for insertion depth.
12. Slide a fingertip across the ZIF Connector Door to close it.



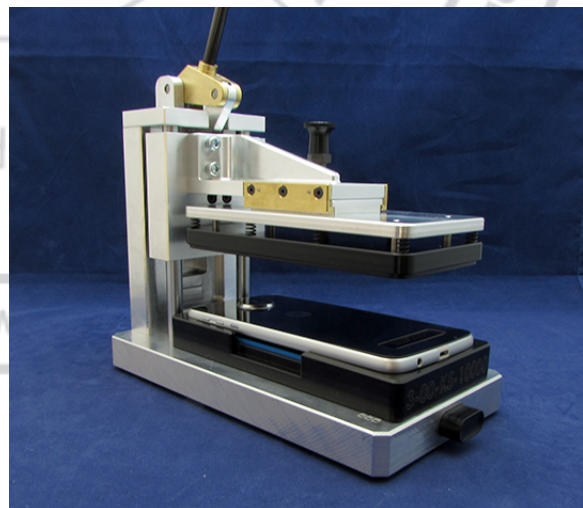
13. Verify the FPS Flex ZIF Connector Door is open.
14. Insert the FPS Flex into the FPS Flex ZIF Connector.
15. Slide a fingertip across the ZIF Connector Door to close it.



16. Lower the Display into the Housing.
17. Press down on the Display for 10 seconds to secure the Display to the Housing.



18. Place the Addison Main Lens Alignment and Press Head and Fixture (3-00-K5-10000) into the Press (19501980).
19. Place the phone into the Fixture with the Display side down.
20. Press the phone for 15 seconds to secure the Display to the Housing.



## Rear-Facing Imager Lens Assembly

Description	Reference #
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH- LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3
ASSY,HSG,REAR IMGR LENS,ROW,IR, ADDISON ASSY,HSG,REAR IMGR LENS,VZW,IR, ADDISON	36

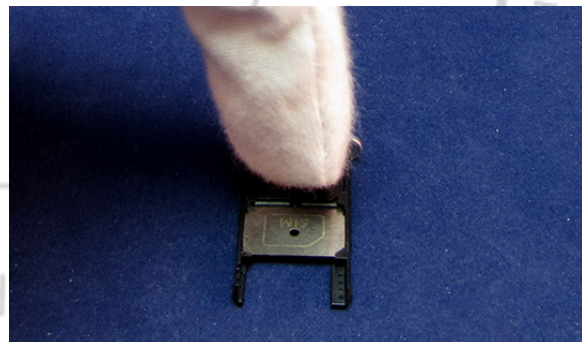
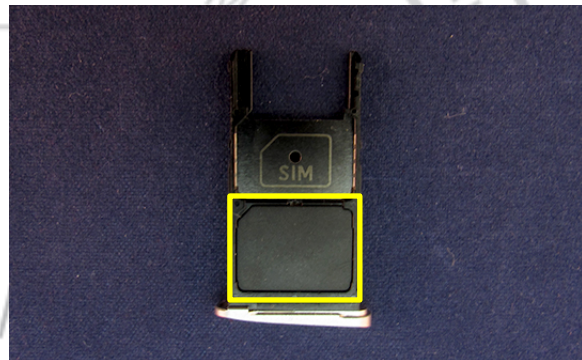
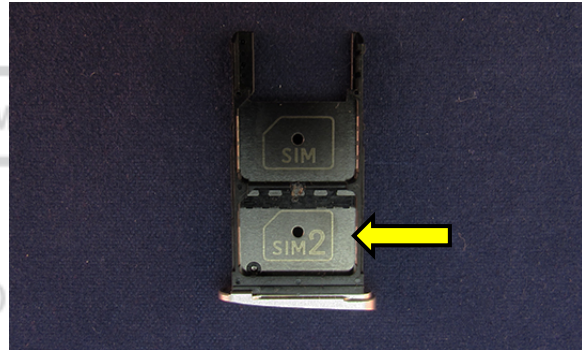
1. Remove the adhesive liner from the Rear-Facing Imager Lens.
2. Place the Rear-Facing Imager Lens into the pocket of the Rear-Facing Imager Bezel.
3. Press down on the Lens for 5 seconds to secure it to the Bezel.



## Dummy SIM Card Assembly

Description	Reference #
SG,DUMMY SIM CARD,ADDISON	--
ASSY,HSG,DL SIM TRAY,SILVER,ADDISON	33
ASSY,HSG,DL SIM TRAY,FINE GOLD,ADDISON	

1. Remove the Dummy SIM Card from the carrier.
2. Place the Dummy SIM Card in the SIM2 slot of the SIM/SD Tray.
3. Verify the Dummy SIM Card is oriented as shown.
4. Press down on the Dummy SIM Card for 5 seconds to secure it to the SIM/SD Tray.





## SIM/SD Tray Assembly

Description	Reference #
ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON VZW ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON BRAZIL ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ARGENTINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CANADA/APAC ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON, EMEA/RUSSIA/EGYPT/UKRAINE/INDIA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON CHINA ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON ROW MEXICO/CHILE/PERU ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON JAPAN ASSY,HSG,REAR,BUCKET,SILVER,WITH-LASER,ADDISON INDIA ASSY,HSG,REAR,BUCKET,GOLD,WITH-LASER,ADDISON INDIA	3
ASSY,HSG,DL SIM TRAY,SILVER,ADDISON ASSY,HSG,DL SIM TRAY,FINE GOLD,ADDISON	33

1. Insert the SIM/SD Tray into the Housing assembly.



2. Verify the SIM/SD Tray is flush with the Housing. The small hole should be oriented toward the middle of the phone.



# APPENDIX

## Generic Lens Removal Fixture Manual



### Intelligent temperature controller, Energy-saving and practicality

microcomputer temperature controller (with timing switch)

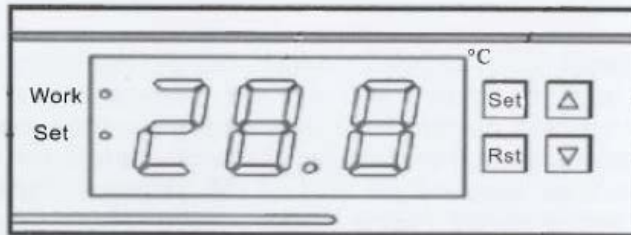
《User manual of MH1210W》

Thank you for choosing Shenzhen "MEIHANG TECHNOLOGY" microcomputer temperature controller. This product gather a wide range of modern heating and cooling technology, small size, big range of working voltage (AC90V~AC250±10% 50/60Hz) simple operation, accurate measurement and anti-interference ability, etc. It suits most users in different environments for automatic intelligent control system of many kinds of refrigeration, heating equipment. Refrigeration and heating mode could be set through the menu, The procedure has been set the power outage permanent memory function.

specifications :

- 1.working voltage:AC90V~AC250±10% 50/60Hz ; power consumption:≤3W ;
- 2.measurement range:-50℃~110℃ ; measurement error : ±0.3℃ ;
- 3.temperature control precision : 0.1℃ ; temperature resolution: 0.1℃ ;  
slewing range of temperature : it could be adjusted in the range of 0.1~30℃ ;
- 4.temperature sensor : NTC 25℃=10K B3435 ±1%(1 miter length,no positive or negative);
- 5.output load : normally open 10A/AC220V\*1PCS ;
- 6.working environment : temperature : -20℃~70℃ ;  
humidity : 90%RH none moisture condensation ;
- 7.dimension of whole unite:75(W)X34.5(H)X85(W)mm ;
- 8.trepanning dimension:71(W)X29(H) ;

sketch figure :



**Operation instruction :**

Rst, on-off button, press it 3s to switch off, press it 3s to switch on. When it were in setting situation, quit the setting situation by pressing it.

Work: output indicator(heating or refrigeration)

**set: setting indicator**

Press "set" button for 3s get into the procedure menu code mode, display the code "HC". Press " $\Delta$ " or " $\nabla$ " for cyclical selection of parameter code of "HC-d-LS-HS-PU-CA-AT". To enter a code, press the "Set" button, press the " $\Delta$ " button or the " $\nabla$ " button to change to the desired data and press "RST" to save and exit;

**Control the temperature set:**

press "Set" button(Not more than 2 seconds), press " $\Delta$ " or " $\nabla$ " to change the data and save automatically.(press on " $\Delta$ " or " $\nabla$ " for 2s or more to increase the adjusting speed )

**heating control:**

when the temperature control mode ( code is HC) was H, e.g. the setting control temperature is  $40^{\circ}\text{C}$ , slewing range of temperature is  $2^{\circ}\text{C}$ , when the environment temperature  $\geq$  setting temperature  $40^{\circ}\text{C}$ , the relay will switch off and stop the output load; when the environment temperature  $\leq$  setting temperature  $38^{\circ}\text{C}$  ( $40-2=38$ ) the reply will switch on and output load again.

**refrigeration control:** when the temperature control mode (code is HC) was C, e.g. the setting control temperature is  $40^{\circ}\text{C}$ , slewing range of temperature is  $2^{\circ}\text{C}$ , when the environment temperature  $\leq 40^{\circ}\text{C}$  the relay will switch on and start output load.

## Menu code

code	Code instruction	explain	Unit
HC	Heat/ refrigeration	Accords to thermostat	H=heat; C=refrigeration
d	slewing range of tem	Different tem. Between on/off state	2/°C
LS	Set low limit	Lowest could be set	-50/°C
HS	Set high limit	Highest could be set	110/°C
PU	Delay start	The load close to the next open time interval	0-90/minute
CA	Tem. correction	-10~10	°C
AT	Timing stop output	Default: off	minute

### Note:

Parameter lock: press "▽" for 3s and blink, display "OFF", means the parameter were locked by the user, this method is the same when display "ON" means the parameter were unlocked by the user. (after parameter locking, user could check but not change, the function of temperature adjust is valid)

### Fault tips:

When the sensor short circuit or detect the environment temperature is higher than the upper temperature limit of 110 degrees, delink and display HHH and stop the output load; When the sensor works normal and detect the environment temperature is lower than floor temperature limit of -50 degrees, blink and display LLL and stop the output load.

## Moto Z Play (Droid) / Moto Z Play

Level 2 – Service and Repair Manual

### Note matters:

1. To prevent high-frequency interference, do not install the sensor line bundled with the power line and loaded equipment line, but should be separated wiring;
2. Supply voltage must be consistent with the rated voltage and the deviation is less than  $\pm 10\%$ . Strict distinction between sensor installation, power line and

### Loaded output interface;

3. The temperature control host machine cannot be installed in the place where is dripping water, or the elderly, children could be touched;
4. The wiring should be checked whether the line is correct, to avoid accidentally burn of temperature control host machine and loaded equipment, installed applications supporting protection back cover obscured;

### Installation wiring diagram:

Make sure to install the loaded equipment's voltage is identify with temperature control host machine's voltage; otherwise the wire connection cannot according to this figure

