

DROID TURBO / Moto MAXX



DROID TURBO / Moto MAXX
Level 2 – Service & Repair Manual

REVISION HISTORY

Revision	Date	Notes
1	10/21/2014	Initial Release
2	01/02/2015	Revised the Earpiece Speaker Press Tool part number. Updated the cover page header according to current Motorola/Lenovo brand standards. Corrected the body page header title. Deleted orphaned step number from Rear Housing Assembly on p. 136.
DLA MOBELITY	03/20/2015	Added notes regarding Top Battery Spacer adhesion to the Rear Housing in Rear Housing Removal step 5 and Top Battery Spacer Removal. Added note regarding the Headset Jack Adhesive remaining adhered to the Headset Jack. Added Press part number (19501980) to the Tools Required for Assembly list and in the applicable press steps. Added N·m torque value to Top Carrier and Bottom Carrier Assembly. Revised Rear-Facing Imager Lens Removal photos. Added Rear-Facing Imager Lens assembly photo in Top Carrier Preparation.



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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 A MOBILIT 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.



INTRODUCTION





Figure 1. External Views

Table 1. External Views Parts List

Reference #	Description	
1 >	Earpiece	
2	Front-Facing Imager	
3	Main Display Lens	
4a	Power Key	
4b	Volume Key/SIM Card Tray	
5	Rear-Facing Imager Lens	
6	Rear-Facing Imager	
7a, 7b	LED Flash	
8	Motorola Medallion	
9	Main Microphone 70 XOLOW GELDINES	
10	Front Housing	
11	Rear Housing	
12	Headset Jack	
13	USB Port	

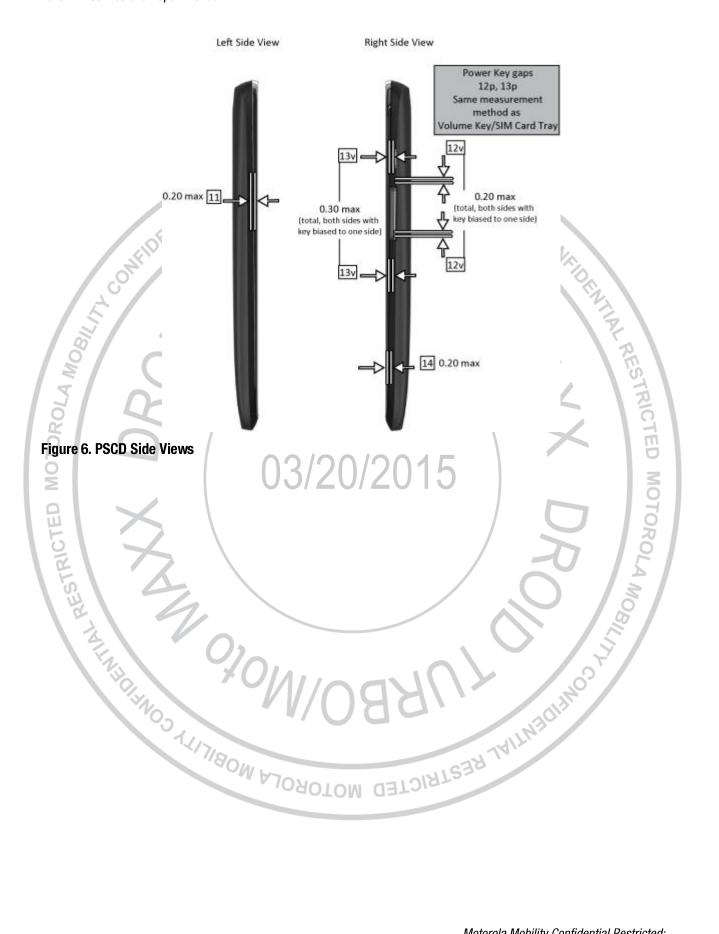
PSCD Gaps

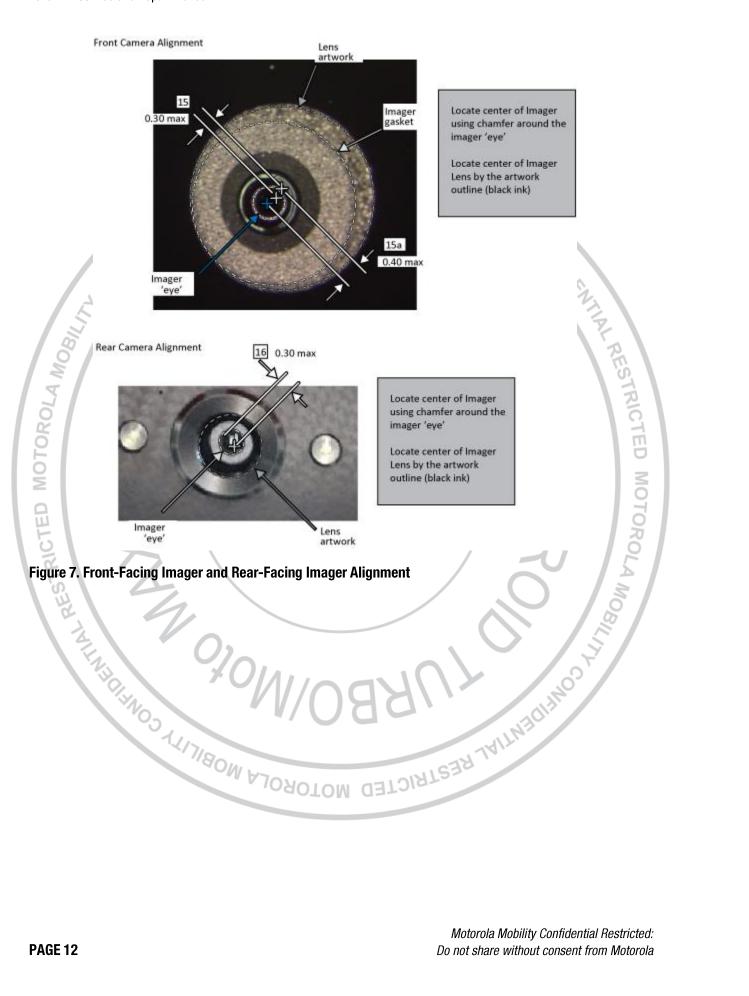
All dimensions are in millimeters (mm). The following gaps are considered maximum allowable without further approval from a supervisor. Measure gaps at an angle perpendicular to the surface/area being measured. Feeler Gauges must not be used at an angle as they will give false-positive results.











Rear Housing to Front Housing (1 of 2) Step



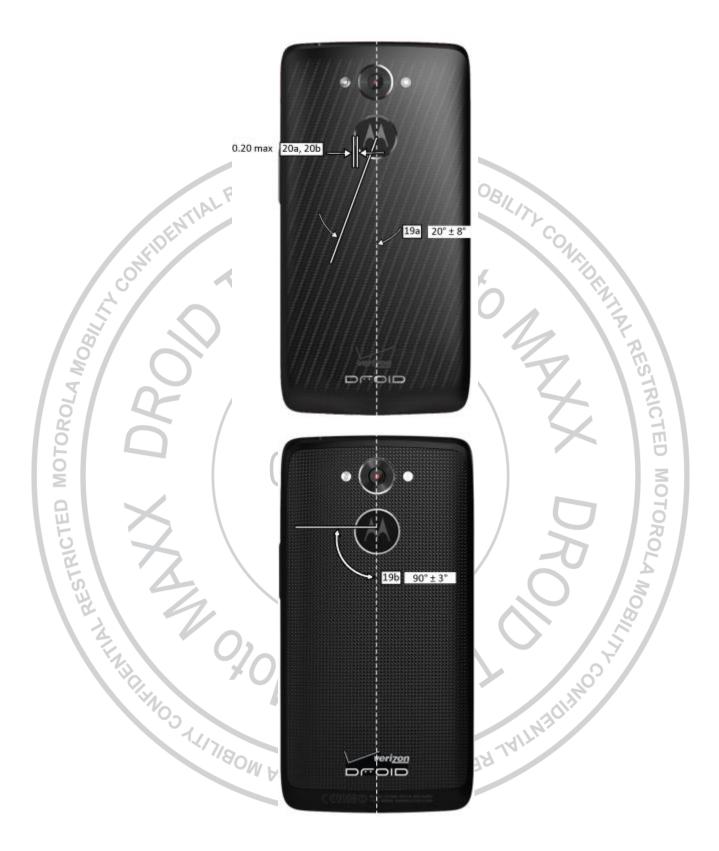
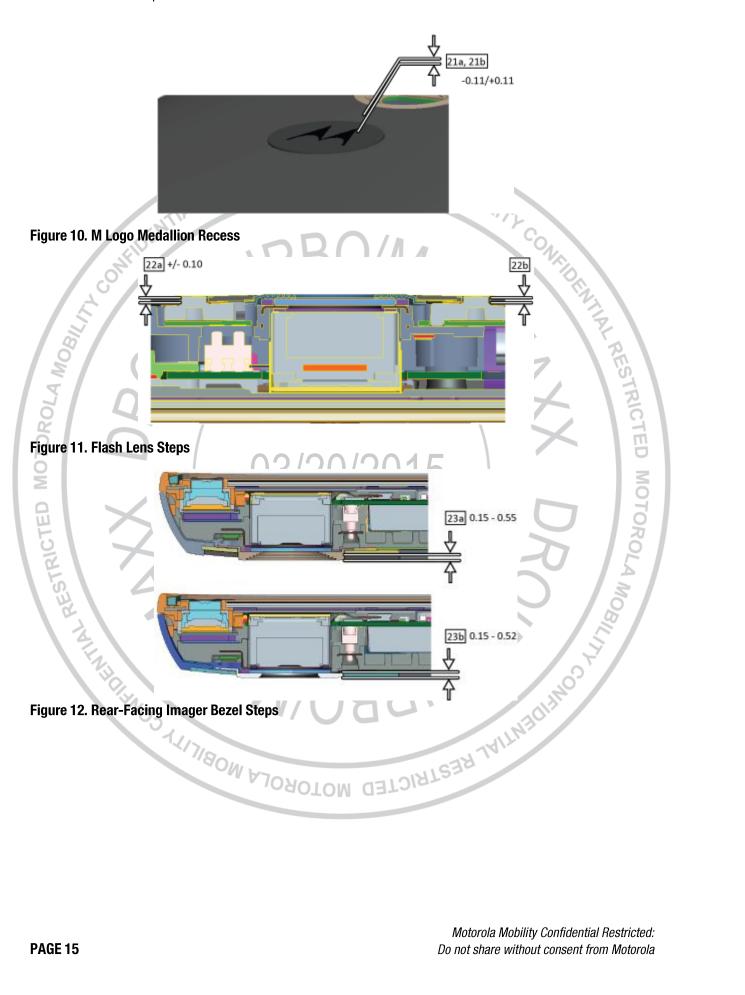
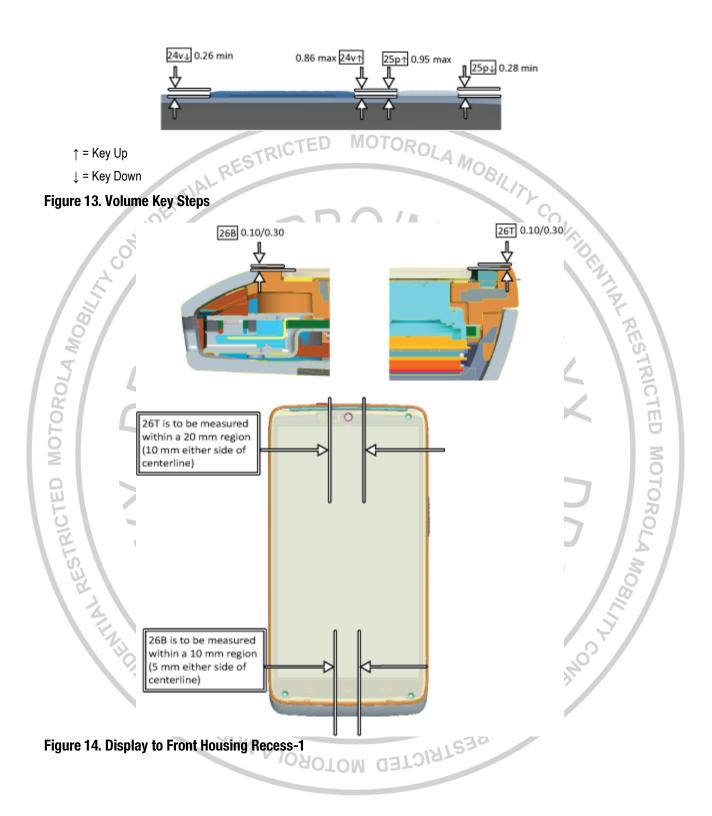


Figure 9. MGF Pattern Registration





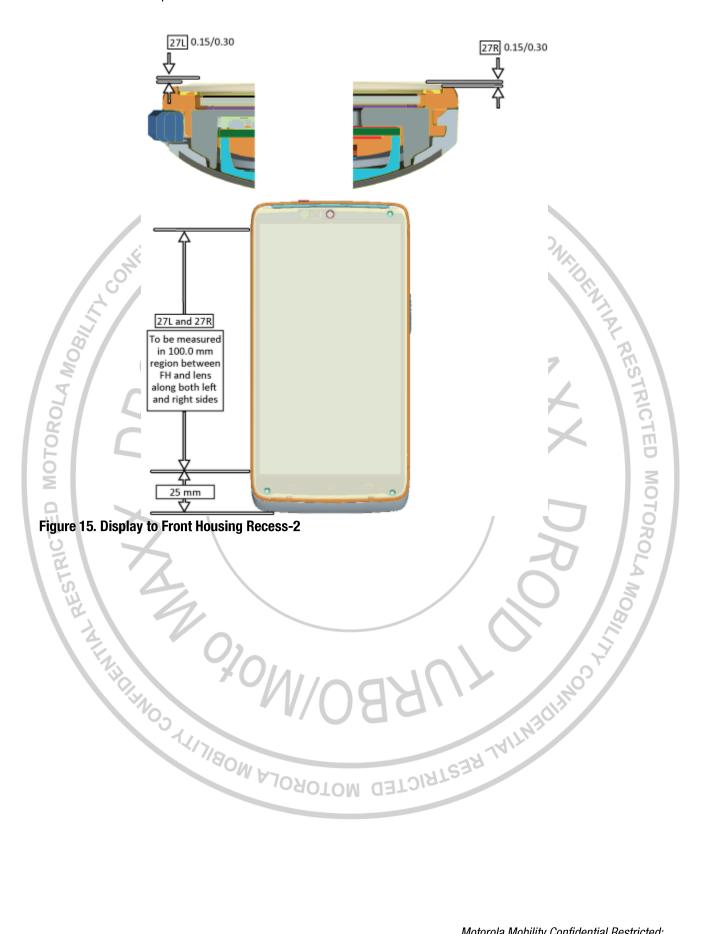


Table 2. PSCD Gap Measurements

Reference #	Description
1	Front Housing to Main Lens Perimeter
2	Earpiece Medallion to Main Lens Perimeter
2a	Earpiece Medallion to Main Lens Perimeter
3	Front Housing to Rear Cover Perimeter
4	Main Lens View Area to Main Display Active Area Skew
5	Main Lens View Area to Main Display Active Area Skew
7	Camera Lens Artwork to Camera Bezel Concentricity
8	Camera Bezel to Rear Cover Perimeter
9a	Flash Lens to Rear Cover Perimeter
9b	Flash Lens to Rear Cover Perimeter
10	Rear Cover to Front Housing Perimeter
11	Rear Cover to Front Housing Perimeter
12v	Volume Key to Rear Cover Step
12p	Power Key to Rear Cover Step
13v	Volume Key to Rear Cover Step
13p	Power Key to Rear Cover Step
14	Rear Cover to Front Housing Perimeter
15	Front Imager Artwork to Front Imager Concentricity
15a	Front Imager Artwork to Front Imager Concentricity
16	Rear Imager Artwork to Rear Imager Concentricity
17	Rear Cover to Front Housing Step
18	Rear Cover to Front Housing Step
19a	MGF Weave Pattern Skew from Centerline
19b	Ballistic Nylon Weave Pattern Skew from Centerline
20a	M Logo Medallion Gap
20b	M Logo Medallion Gap
21a	M Logo Medallion Gap
21b	M Logo Medallion Gap 1010
22a	Flash Lens Recess
22b	Flash Lens Recess
23a	Rear-Facing Imager Bezel Protrude
23b	Rear-Facing Imager Bezel Protrude

Reference #	Description
24v ↑/↓	Volume Key/SIM Card Tray Protrude (key up and key down)
25p ↑/↓	Power Key Protrude (key up and key down)
26T, 26B	Front Housing – Top/Bottom to Main Lens Recess
27L, 27R	Front Housing – Side Recess



Exploded Views

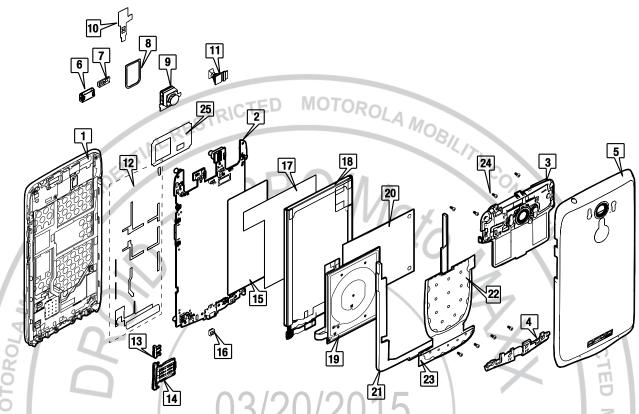


Figure 16. Assembly Exploded View

Table 3. Assembly Exploded View Parts List

Reference #	Description
1	ASSY,HSG,FRNT,PROTO, QUANTUM TITANIUM/TITANIUM ASSY,HSG,FRNT,PROTO, QUANTUM DK TITANIUM/DARK TI ASSY,HSG,FRNT,PROTO, QUANTUM RED LAC/RED LAC
2	ASSY,PWA,XCVR,PORT QUANTUM LATAM ASSY,PWA,XCVR,PORT QUANTUM MAXX ASSY,PWA,XCVR,PORT QUANTUM 64GB MAXX
3	ASSY,HSG,REAR,TOP CARRIER, QUANTUM MAXX
4	HSG,REAR,BOT CARRIER, W/ANTENNA, QUANTUM
5	ASSY,HSG,REAR,COVER, QUARK RED ASSY,HSG,REAR,COVER, PWR KEY + M LOGO, QUARK MAXX DK ASSY,HSG,REAR,COVER, PWR KEY + M LOGO, QUARK MAXX RED ASSY,HSG,REAR,COVER, BALLISTIC NYLON, QUARK MAXX ASSY,HSG,REAR,COVER, BALLISTIC NYLON, QUARK MAXX 64GB ASSY,HSG,REAR,COVER, BALLISTIC NYLON, QUARK MAXX EMPLOYEE EDITION ASSY,HSG,REAR,COVER, BALLISTIC NYLON, QUARK MAXX LATAM
6	TRANSDUCER,OTHR,6X12X3,6X12X3MM RCVR F0=200HZ, AAC

	Reference #	Description	
	7	GROMMET,PROX, QUARK	
	8	SEAL,LOUD SPEAKER,QUARK	
	9	ASSY,FLXCKT,MDL,20MP,REAR IMGR	
	10	ASSY,FLXCKT,HSJ/VIB, QUARK	
	11	ASSY,FLXCKT,MDL,2MP, FF IMGR	
	12	DIE CUT,ADHES,PCB, QUARK	
	13	POWER BUTTON ASSEMBLY, LICORICE ASSY,PRD OTH,PWR BUTTON, LAQUER RED, QUARK ASSY,PRD OTH,PWR BUTTON, QUARK COLOR MATCH RED	
	14	ASSY,HSG,SIM TRAY, QUARK LIC ASSY,HSG,SIM TRAY, QUARK LAQUER RED ASSY,HSG,SIM TRAY, QUARK COLOR MATCH RED	
	15	DIE CUT,ADHES,HT SPREADER, QUARK	
MA	16	GROMMET,MIC,QUARK	1
マノ	17	DIE CUT,ADHES,BATTERY, QUARK MAXX	
	18	ASSY,BAT,LI POLY,EQ40,3800MAH	
	19	FIXED INDUCTOR,NFC/WC, FLEX, QUARK MAXX	
	20	DIE CUT,ADHES,BAT SPACER, QUARK MAXX	
	21	HSG,BAT SPACER, QUARK MAXX HSG,BAT SPACER, QUARK MAXX NYL	
	22	SPCR,C BATTERY, QUARK MAXX	l
Y	23	SPCR,BATTERY, TOP, QUARK	ř
1	24	SCR,MACH,M1.6 X .35, 2.6MM HD, 5IP	
	25	DIE CUT,TAPE, COPPER, 0.14MM, APQ SHIELD, QUARK	

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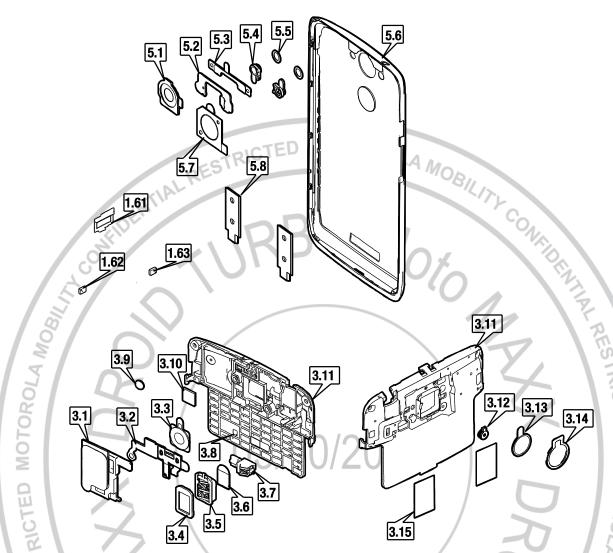


Figure 17. Subassembly Exploded Views

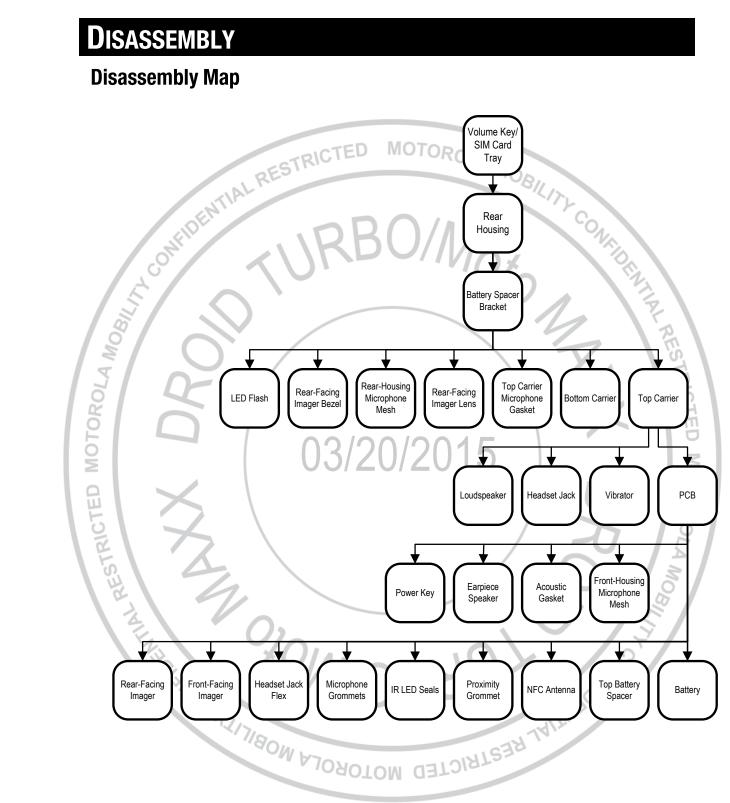
Table 4. Subassembly Exploded Views Parts List

Reference #	Description
1.61	SPCR,EARPC SPEAKER, QUARK
1.62	SCRN,MESH,MICROPHONE,QUARK
1.63	SCRN,MESH,MICROPHONE,QUARK
3.1	ASSY,SPKR,QUARK
3.2	ASSY,FLXCKT,AUDIO, QUARK
3.3	GSKT,CNDT,20MP REAR FACING IMAGER, QUARK
3.4	SEAL,GSKT,HSET JCK
3.5	CONN,JACK,HEADSET,3.5 MM DIA
3.6	DIE CUT,ADHES,HSET JACK, OLYMPUS

	Reference #	Description
	3.7	ALERT DEVICE, VIBR, MOTOR, ROTARY, 11.75 MM X X 4.55 MM MOTOR BODY
	3.8	DIE CUT,ADHES,VIBRATOR, ULTRA
	3.9	SCRN,MIC,MESH
	3.10	PAD,CNDT,FF IMAGER, QUARK
	3.11	HSG,REAR,TOP CARRIER, DECORATED, QUARK MAXX
	3.12	GSKT,MIC,MIC, QUARK
	3.13	LENS,CAMR,QUARK
	3.14	PAD,CNDT,BEZEL, CAMERA, QUARK
	3.15	DIE CUT,ADHES,TOP CARRIER, QUARK MAXX
	5/80	ASSY,BZL,CAMERA, QUARK MAXX TI ASSY,BZL,CAMERA, QUARK MAXX DK TI ASSY,BZL,CAMERA, QUARK MAXX BALLISTIC DK TI ASSY,BZL,CAMERA, QUARK MAXX BALLISTIC EMPLOYEE EDITION
11/1	5.2	ASSY,PCB,LED FLASH,QUARK
	5.3	DIE CUT,ADHES,FLSH PCB/REAR HOUSING, QUARK
	5.4	ASSY,LENS,FLASH, QUARK ASSY,LENS,FLASH, QUARK BALLISTIC
	5.5	DIE CUT,ADHES,FLSH LENS, QUARK
	5.6	HSG,REAR,CVR + OM, DARK, PWR KEY + M LOGO, QUARK MAXX HSG,REAR,CVR + OM, RED, PWR KEY + M LOGO, QUARK MAXX HSG,REAR,HOUSING,REAR,COVER, DECORATED, NYL + OM, QUARK MAXX
フスとして	5.7	MDLLN,M LOGO, QUARK MDLLN,M LOGO, QUARK DK Ti MDLLN,M LOGO, QUARK NYL
	5.8	SCRN,MESH,MICROPHONE,QUARK SCRN,MESH, MIC, TERT/QUIN, QUARK

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DISASSEMBLY



Tools Required for Disassembly

The following tools are required to disassemble the DROID TURBO / Moto MAXX phone.

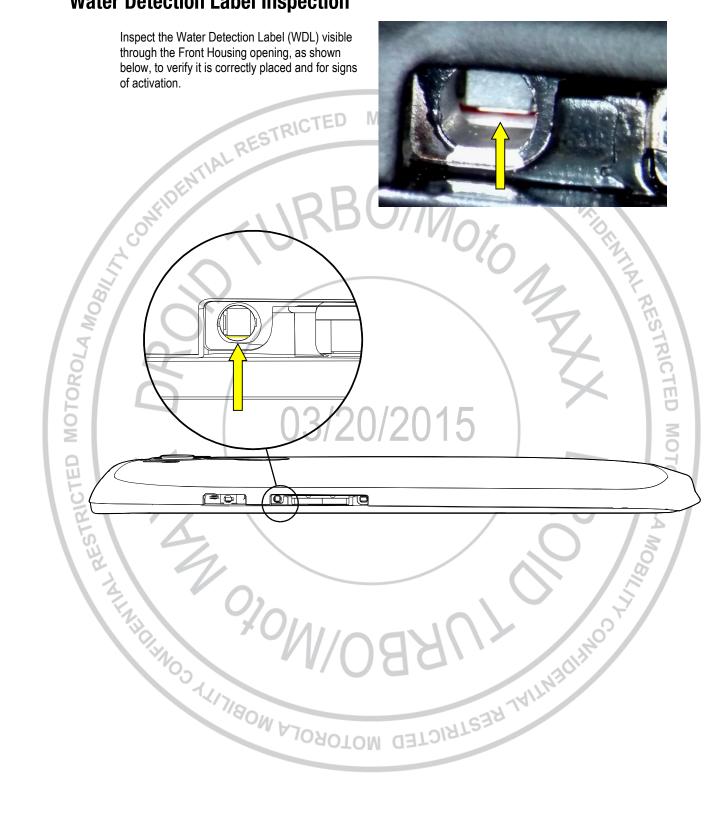
Description	Part #	Picture / Drav	ving
Thin Corner Snap Stick	D M 0000040826	SA Mo	
Blackstick	RO/A		
5IP Torx Bit			
Thin Plastic Spudger			
Wire Cutting Pliers (Steel, 20 Degree-Angle H 13/32" Jaw Length)	lead, /-201	5	_ S
Tweezers (Plastic or Plastic-Tipped)			
ESD Mat and Wrist Strap		/	9
Gloves or Finger Collets		/	77 2
Isopropyl (ISP) Alcohol		/	A
iii iii) / 5 /

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Volume Key/SIM Card Tray Removal



Water Detection Label Inspection



Rear Housing Removal



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Release the snaps on the sides and top of the Rear Housing in the sequence shown.

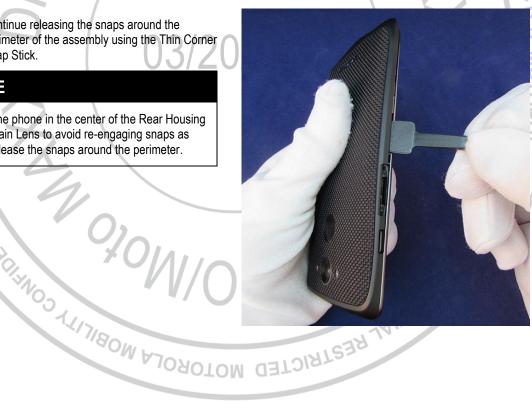


4. Confiper

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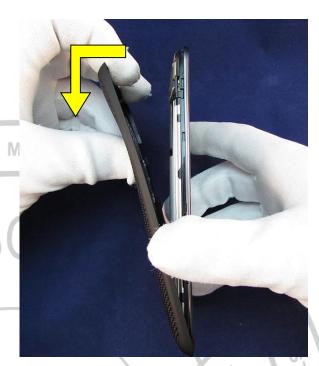
Hold the phone in the center of the Rear Housing and Main Lens to avoid re-engaging snaps as you release the snaps around the perimeter.



5. When all of the snaps have been released, rotate the Rear Housing out and down as shown to separate the adhesive and remove the Rear Housing.

NOTE

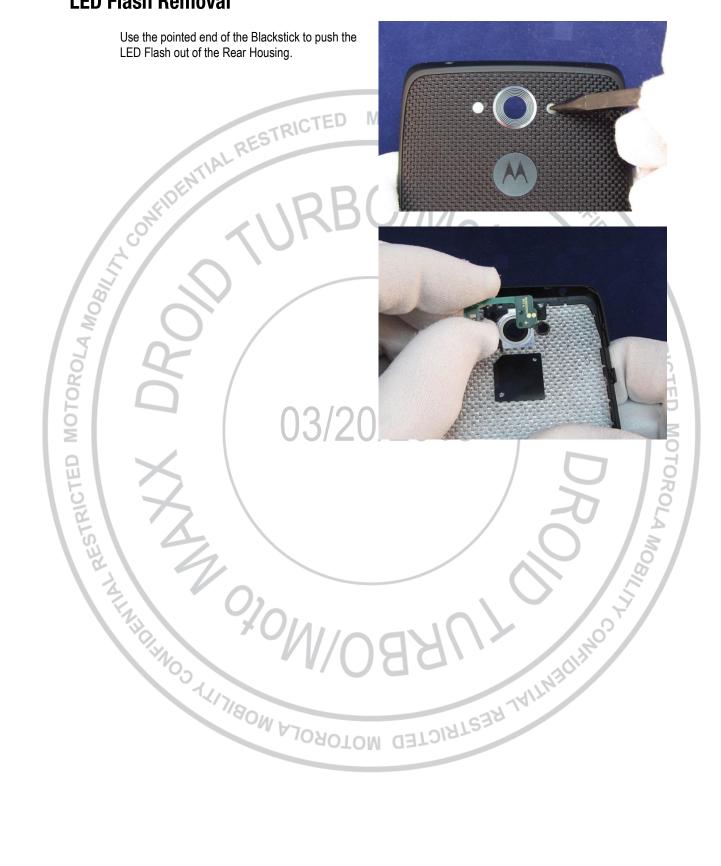
The Top Battery Spacer adheres to the Rear Housing and Battery, and may remain adhered to the Rear Housing when it is removed. Remove the Top Battery Spacer from the Rear Housing only if it is defective or damaged. After you remove the Top Battery Spacer, you cannot reuse



Remove the Battery Spacer Bracket from the Front Housing.



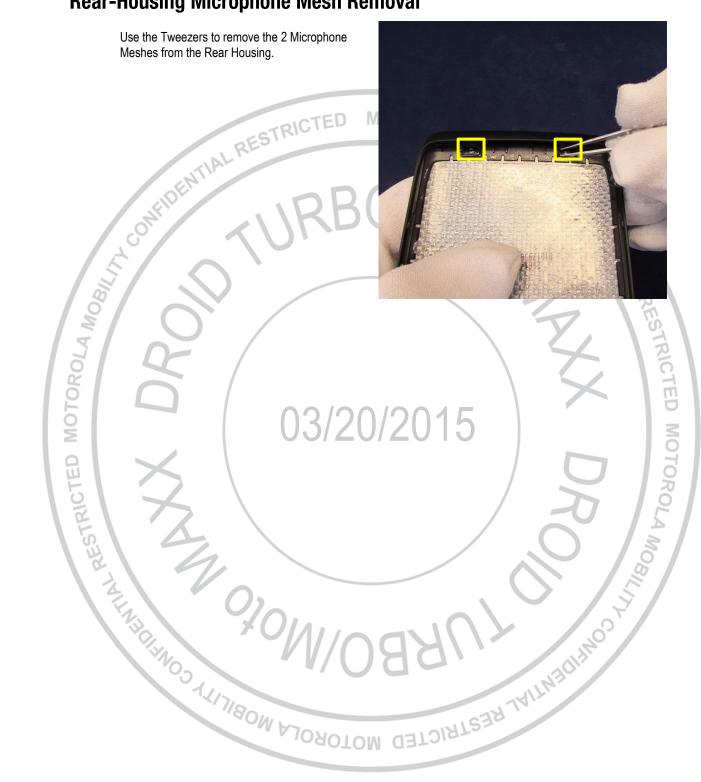
LED Flash Removal



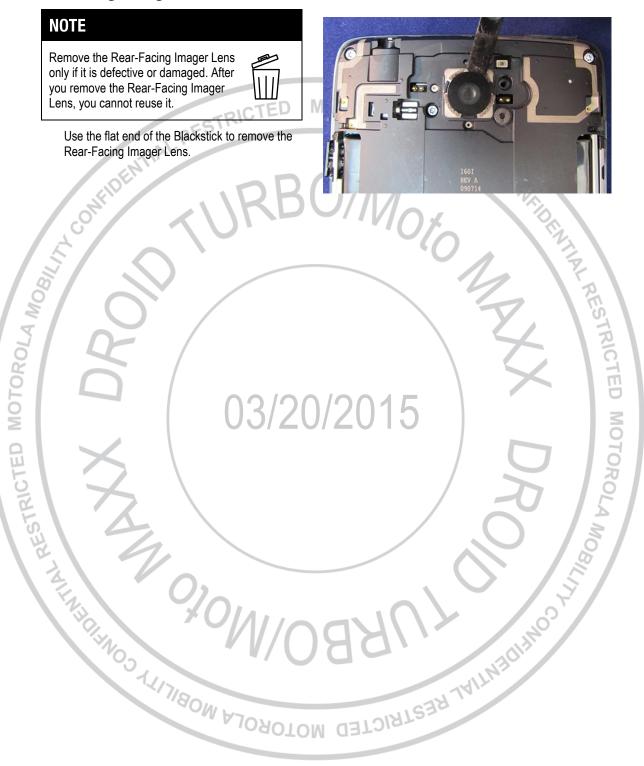
Rear-Facing Imager Bezel Removal



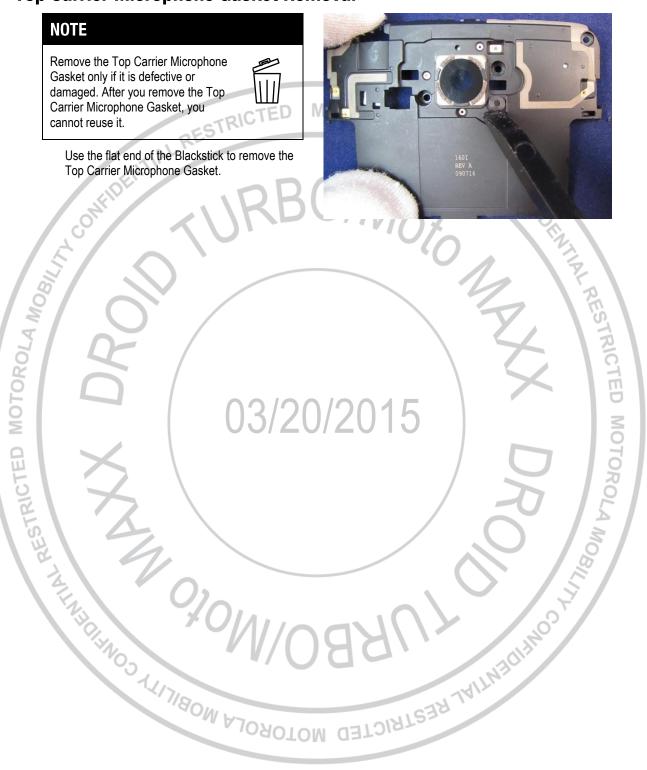
Rear-Housing Microphone Mesh Removal



Rear-Facing Imager Lens Removal



Top Carrier Microphone Gasket Removal

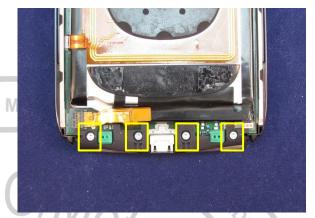


Bottom Carrier Removal

1. Remove the 4 5IP Screws from the Bottom Carrier.

NOTE

After you remove the 5IP Screws, you cannot reuse them.



2. Slide the Bottom Carrier down and out of the assembly.





Top Carrier Removal

Remove the 4 5IP Screws from the Top Carrier.

NOTE

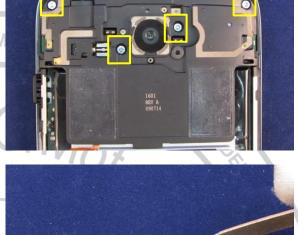
After you remove the 5IP Screws, you cannot reuse them.



- Insert the Tweezers into 1 of the 2 openings in the Top Carrier.
- Gently push outward to release the side snaps.

// CAUTION //

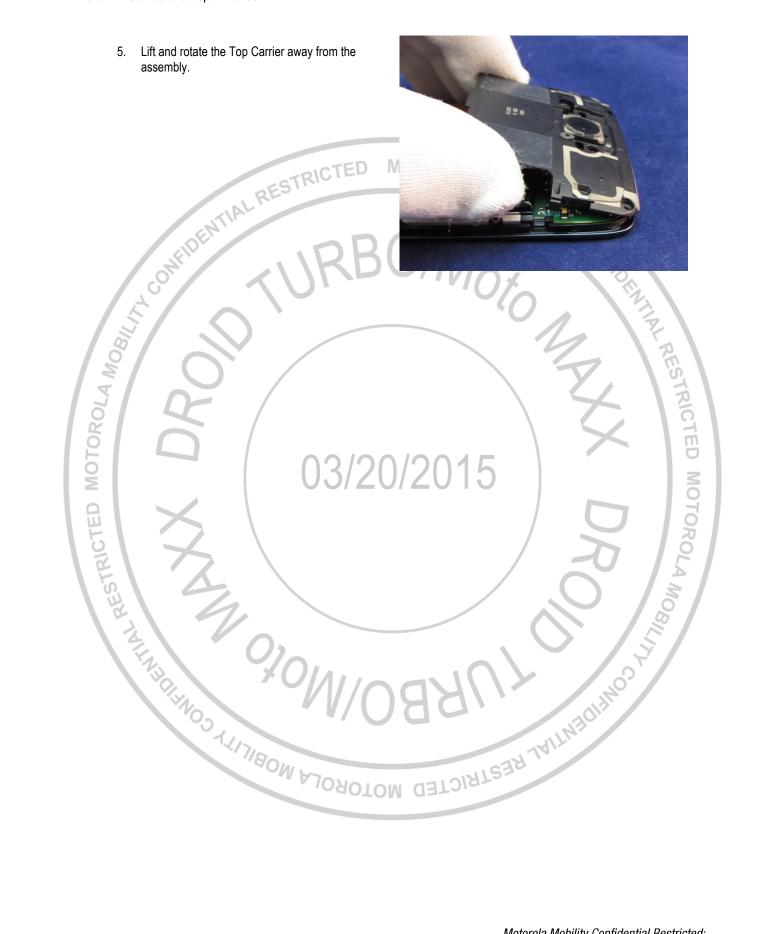
Do not push outward any farther than necessary to release the side snaps. Damage to the side snaps may occur.



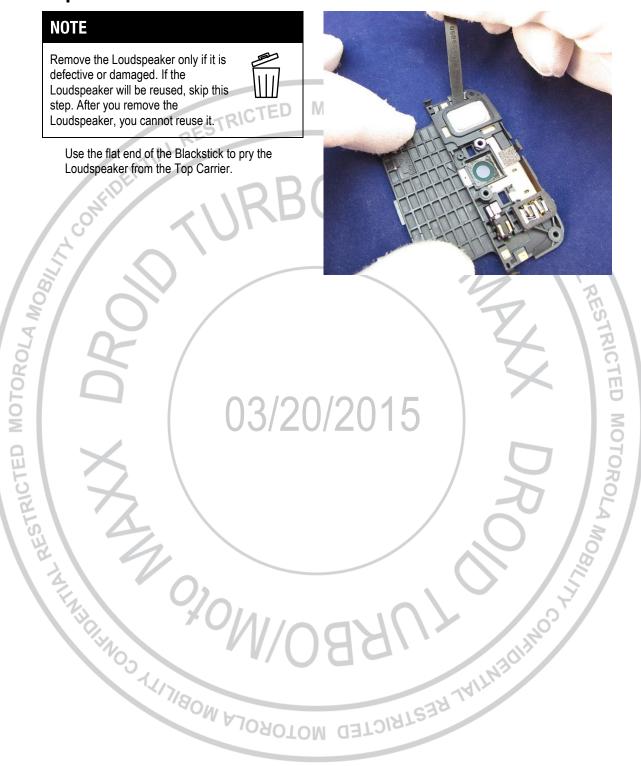
RESTRICTED MOTORO! Repeat step 2 and step 3 for the other opening in the Top Carrier.







Loudspeaker Removal



Headset Jack Removal

NOTE

Remove the Headset Jack only if it is defective or damaged. If the Headset Jack will be reused, skip this step. After you remove the Headset Jack, you cannot reuse it.



- 1. Insert the pointed end of the Blackstick into the Headset Jack.
- 2. Pry the Headset Jack out of the Top Carrier.



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Vibrator Removal

NOTE

Remove the Vibrator only if it is defective or damaged. If the Vibrator will be reused, skip this step. After you remove the Vibrator, you cannot reuse it.



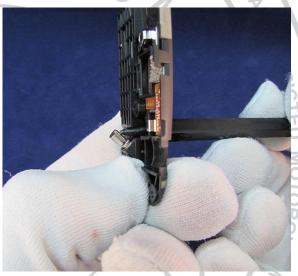
1. Hold the Retaining Tab open.



With the Retaining Tab open, push the vibrator out of the Top Carrier.

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PCB 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.

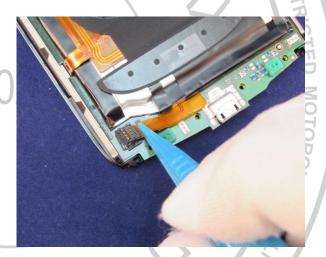
Ensure screws and screwdrivers do not contact the Battery.

Disconnect the Battery by grasping the Battery Flex at the stiffener with the Plastic Tweezers

Do not use a Blackstick or any other method to disconnect the Battery Flex. Damage to the Battery Flex or the connector may occur.

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2. Lift the key side of the PCB and rotate the PCB to the Display Flex side of the assembly.

// CAUTION //

Do not lift the Display Flex side of the PCB. Lifting the Display Flex side of the PCB may damage the Display Flex.



Use the Tweezers to remove the Kapton® tape from the Display Flex ZIF Connector.

NOTE

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

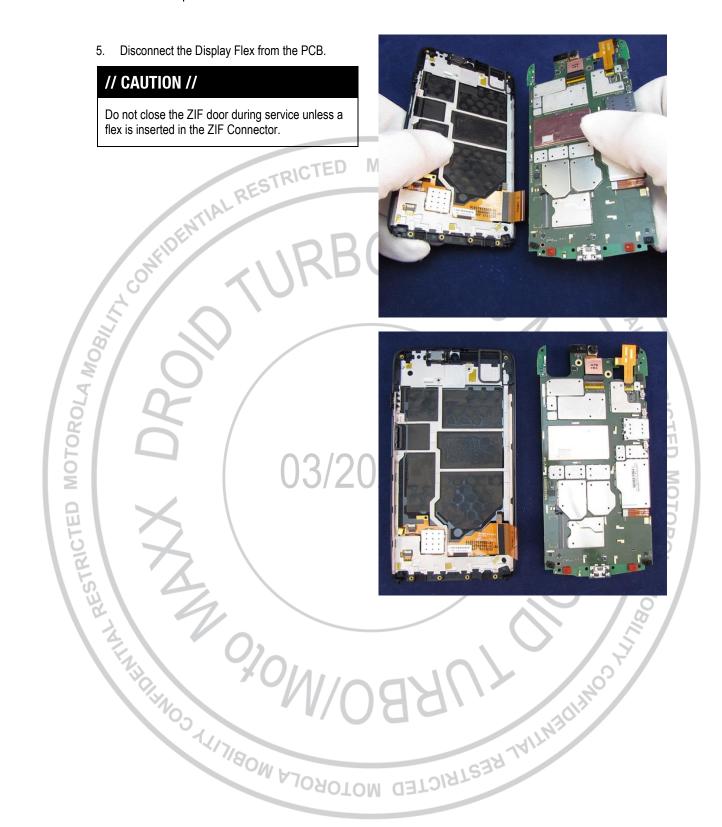


RESTRICTED A Use the flat end of the Blackstick to open the Display Flex ZIF Connector door.

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Power Key Removal



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



1. Use the Wire Cutting Pliers to cut the 2 barbed posts on the Power Key.



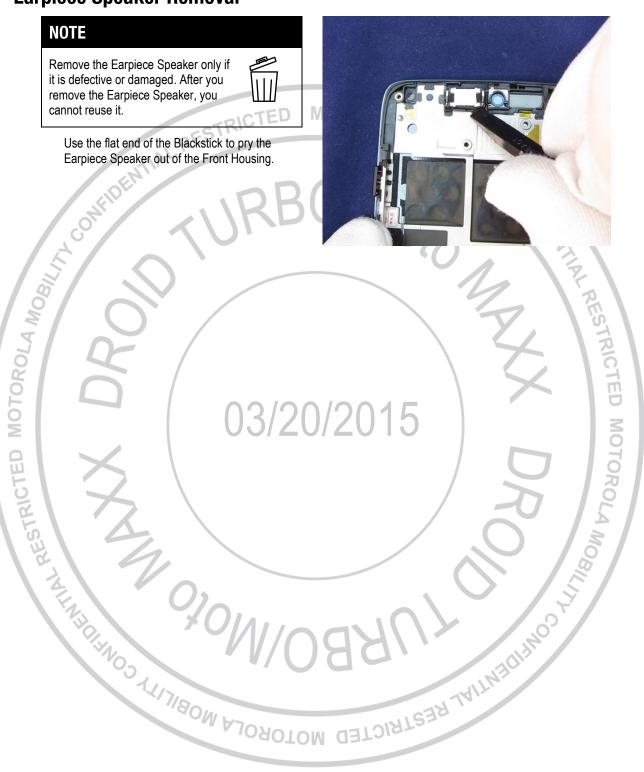
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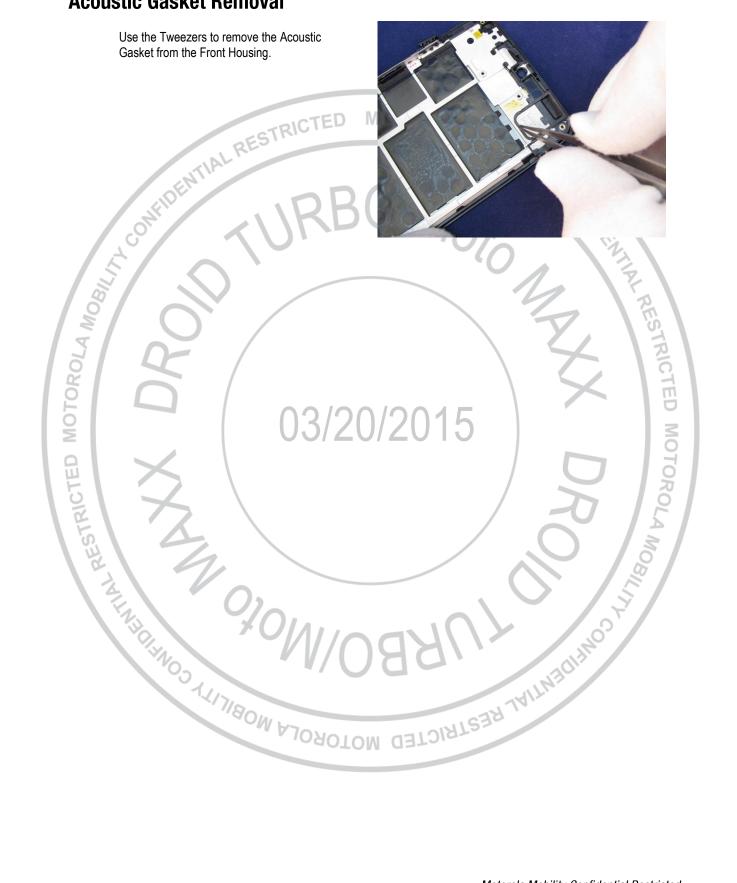


2. Remove the Power Key from the Front Housing.

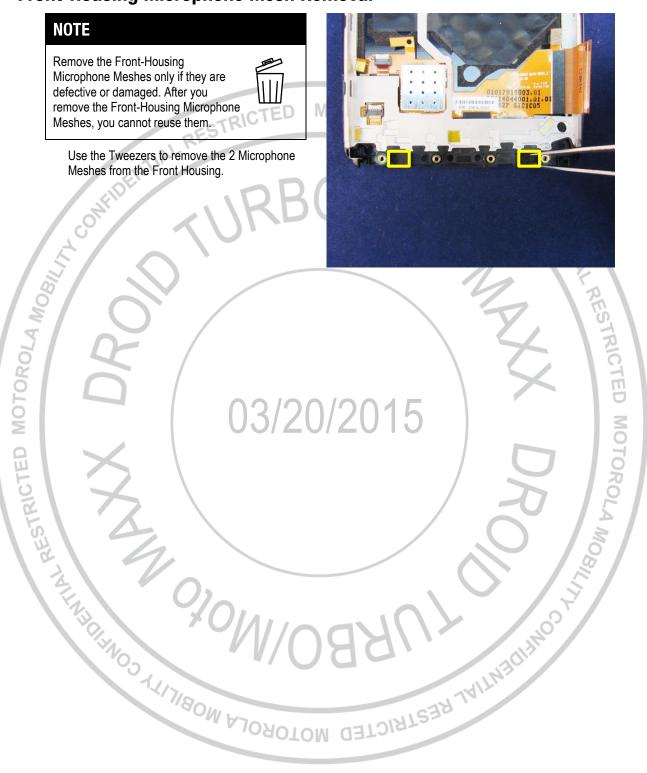
Earpiece Speaker Removal



Acoustic Gasket Removal



Front-Housing Microphone Mesh Removal



Front-Facing Imager Removal

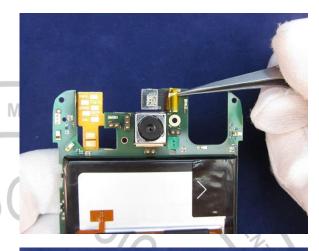
1. Use the Tweezers to remove the Kapton tape from the Front-Facing Imager ZIF Connector.

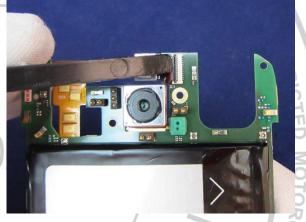
NOTE

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

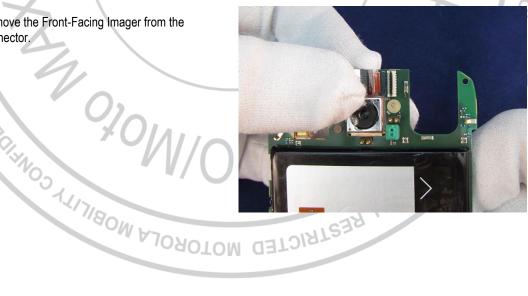


Use the flat end of the Blackstick to open the Front-Facing Imager ZIF Connector door.





Remove the Front-Facing Imager from the connector.



Rear-Facing Imager Removal

1. Use the Tweezers to remove the Kapton tape from the Rear-Facing Imager ZIF Connector.

NOTE

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



2. Use the flat end of the Blackstick to open the Rear-Facing Imager ZIF Connector door.



3. Remove the Rear-Facing Imager from the connector.



Headset Jack Flex Removal

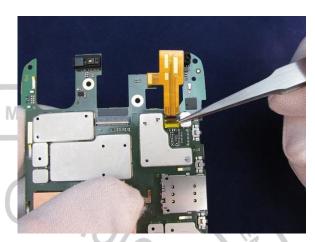
1. Use the Tweezers to remove the Kapton tape from the Headset Jack Flex ZIF Connector.

NOTE

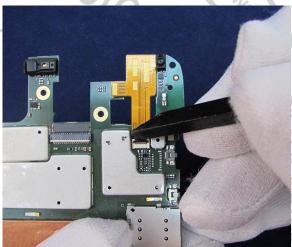
After you remove the Kapton Tape, you cannot reuse it.



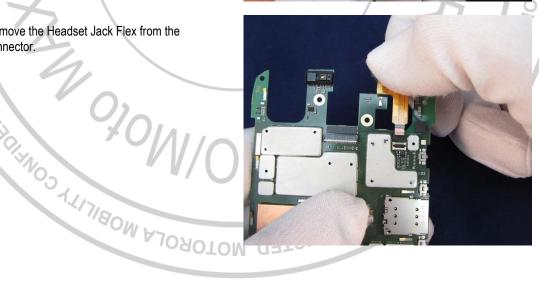
Use the flat end of the Blackstick to open the Headset Jack Flex ZIF Connector door.



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3. Remove the Headset Jack Flex from the connector.



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.

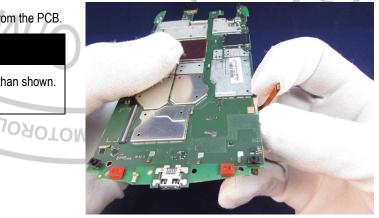
1. Use the flat end of the Blackstick to disconnect the NFC BtB Connector from the PCB.



2. Carefully bend the NFC Flex back from the PCB.

// CAUTION //

Do not bend the NFC Flex any farther than shown. Damage to the NFC Flex may occur.

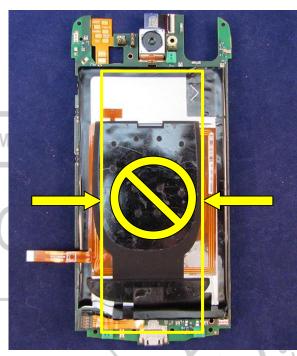


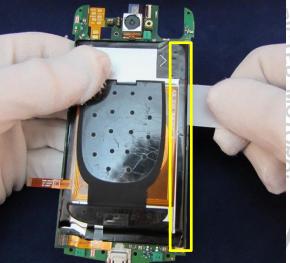
3. Slide the Thin Plastic Spudger between the Battery and the PCB to separate the adhesive.

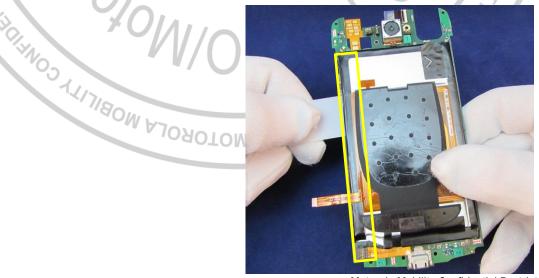
// CAUTION //

Do not insert the Thin Plastic Spudger farther than 10 mm under the Battery. Inserting the Thin Plastic Spudger farther than 10 mm under the Battery may result in damage to the Thermal Spreader on the PCB.

Do not use sharp objects to reach under the Battery. Reaching under the Battery with sharp objects may puncture the Battery wrapping.

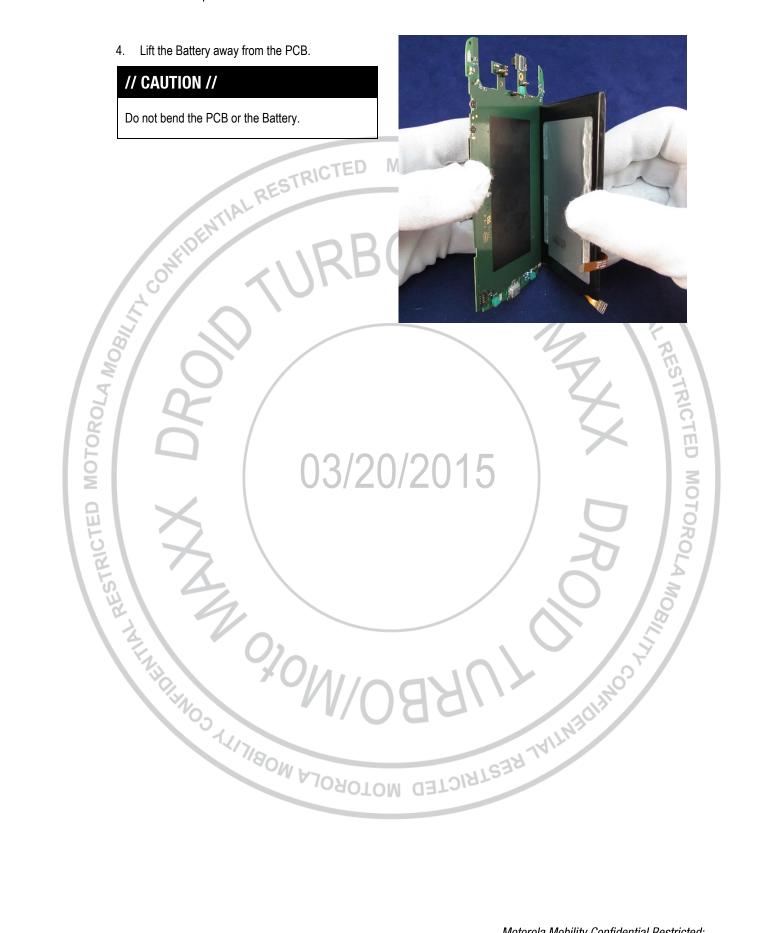






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RESTRICTED A



Top Battery Spacer 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

Remove the Top Battery Spacer only if it is defective or damaged. After you remove the Top Battery Spacer, you cannot reuse it.



Use the flat end of the Blackstick to remove the Top Battery Spacer from the Battery and NFC Antenna.

NOTE

The Top Battery Spacer adheres to the Rear Housing and Battery, and may remain adhered to the Rear Housing when it is removed. Remove the Top Battery Spacer from the Rear Housing only if it is defective or damaged. After you remove the Top Battery Spacer, you cannot reuse it.



NFC Antenna 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.

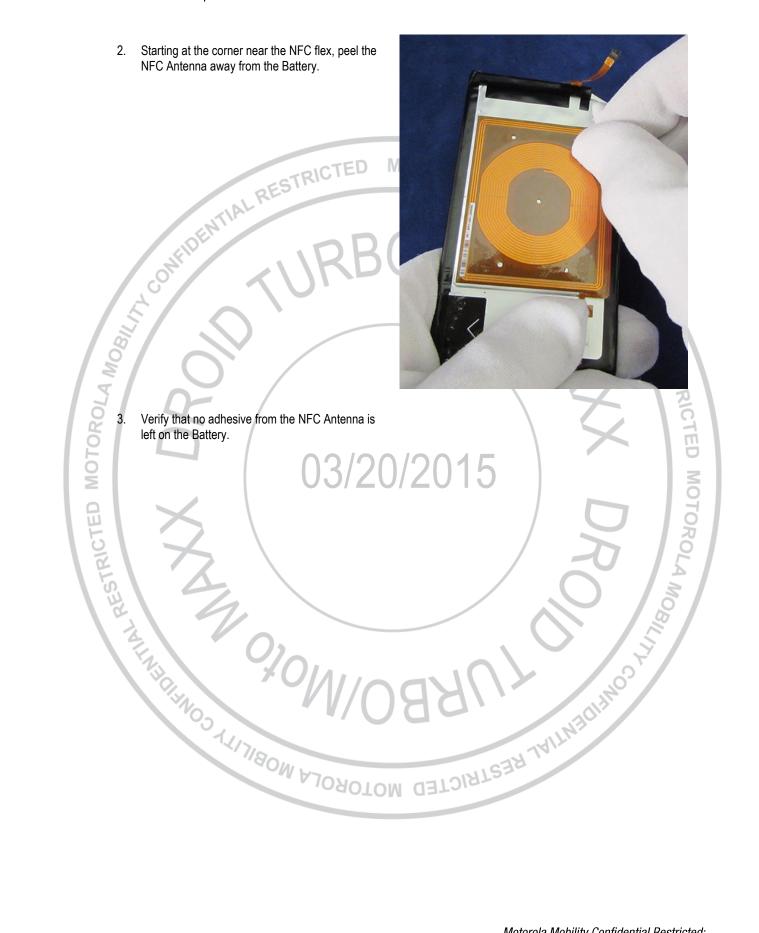
Lift the corner of the NFC Antenna near the NFC Flex with the flat end of the Blackstick.

POROM

Remove the NFC Antenna only if it is defective or damaged. If the NFC Antenna will be reused, skip these steps. After you remove the NFC Antenna, you cannot reuse it.







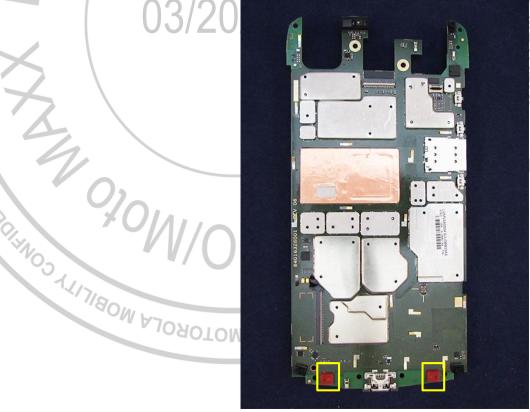
Microphone Grommet Removal



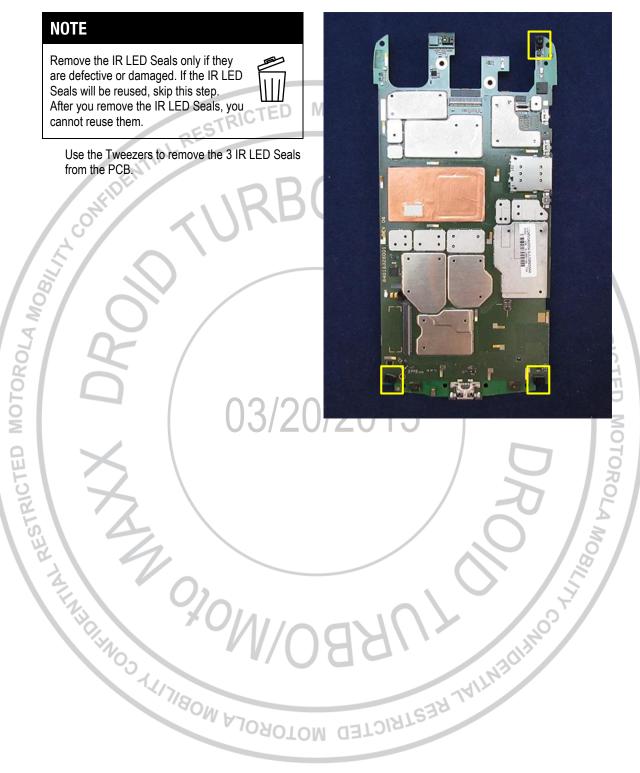
Remove the Microphone Grommets only if they are defective or damaged. If the Microphone Grommets will be reused, skip this step. After you remove the Microphone Grommets, you cannot reuse them.

Use the Tweezers to remove the 5 Microphone Grommets from the PCB.

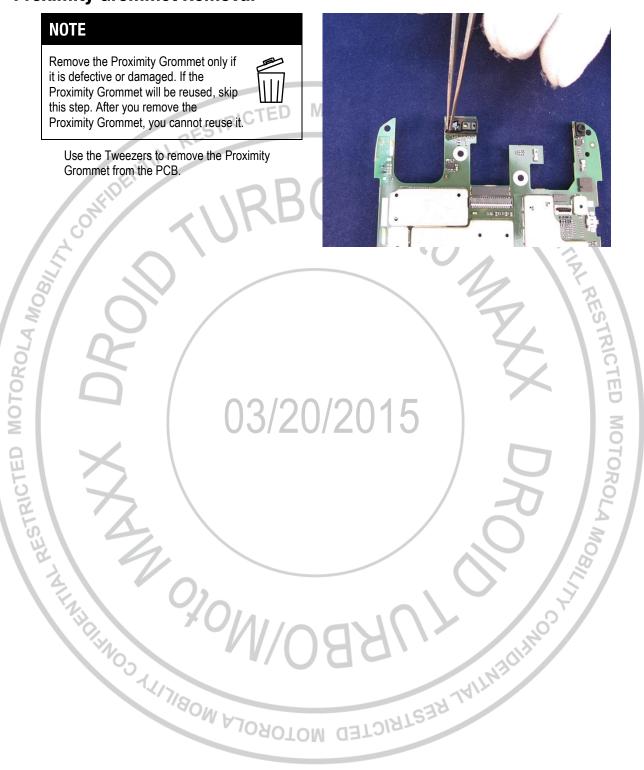




IR LED Seal Removal



Proximity Grommet Removal



Parts Refresh

Tools Required for Parts Refresh

The following tools are required for parts refresh of the DROID TURBO / Moto MAXX phone.

Description	Part #	Picture / Drawing
Pront Housing Processes Fixture	4-00-U4-10000	
Battery Adhesive Assembly Fixture	/2015 4-00-U5-10000	
Earpiece Speaker Press Tool	4-00-U4-10000	

Description	Part #	Picture / Drawing
Press RESTRICTED	MOTOROLA 19501980	Mo
A CONFIDENTIAL URB	0/1/0	
Blackstick		
Tweezers (Plastic or Plastic-Tipped)		ES
ESD Mat and Wrist Strap		- 4
Gloves or Finger Collets		+
Isopropyl (ISP) Alcohol		-\
	0/2015	DA MOBILITIES
A THINITURING A ON A JOROTO ON	ABINETED III	SER WINEGIAMS

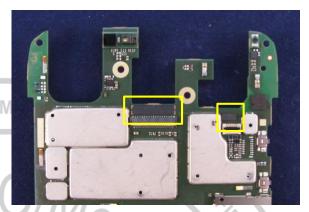
PCB Preparation

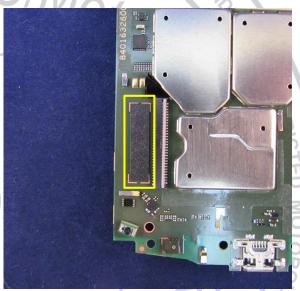
NOTE

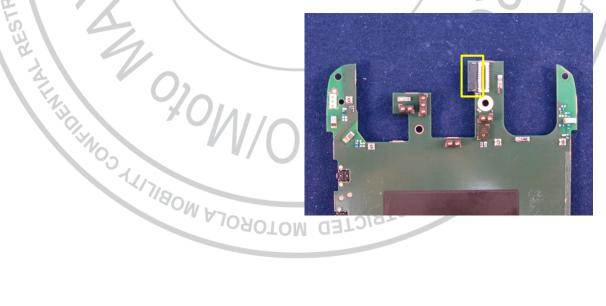
Remove the Flex Shims only if they are damaged or if thermal work will be performed on the PCB. After you remove them, you cannot reuse them.



- 1. Use the Tweezers to remove the Flex Shims for the following components:
 - Front-Facing Imager Flex
 - Rear-Facing Imager Flex
 - Audio Flex
 - Display Flex







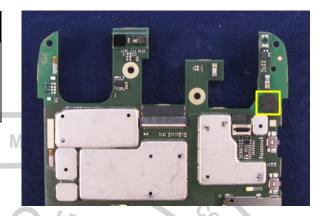
RESTRICTED I

NOTE

Remove the WiFi Pad only if it is damaged or if thermal work will be performed on the PCB. After you remove it, you cannot reuse it.



2. Use the Tweezers to remove the WiFi Pad.



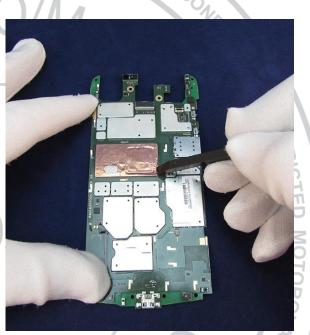
NOTE

Remove the Copper Tape only if it is damaged. After you remove it, you cannot reuse it.



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- 3. Use the flat end of the Blackstick to remove the Copper Tape from the PCB.
- Use the flat end of the Blackstick and ISP Alcohol to remove all Copper Tape adhesive from the PCB.

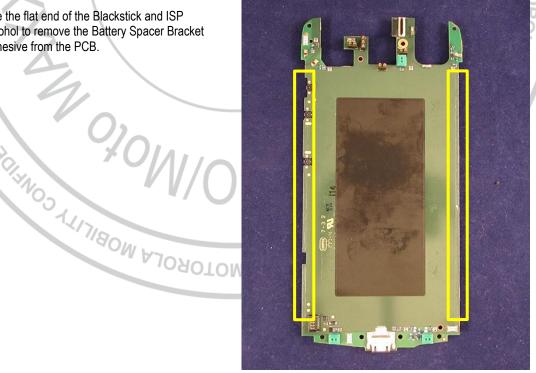


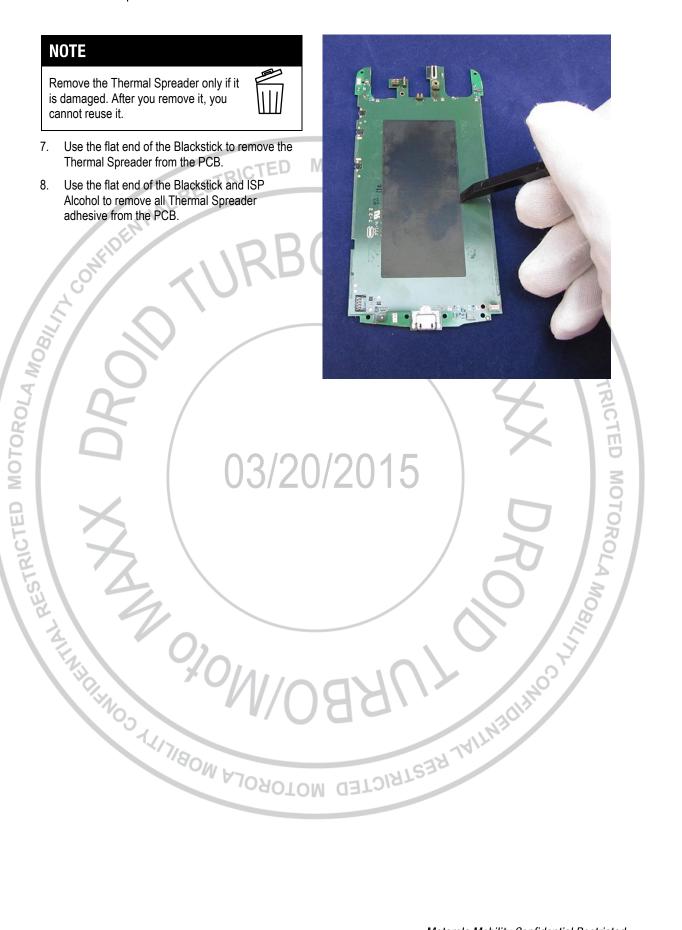
RESTRICTED

5. Use the flat end of the Blackstick and ISP

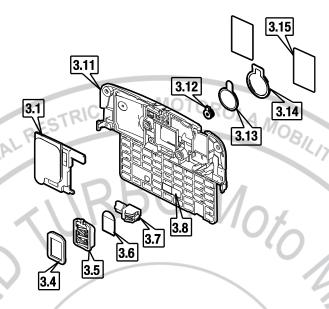


6. Use the f
Alcohol
Adher





Top Carrier Preparation



Description	Reference #
ASSY,SPKR,QUARK	3.1
SEAL,GSKT,HSET JCK	3.4
CONN,JACK,HEADSET,3.5 MM DIA	3.5
DIE CUT,ADHES,HSET JACK, OLYMPUS	3.6
ALERT DEVICE, VIBR, MOTOR, ROTARY, 11.75 MM X X 4.55 MM MOTOR BODY	3.7
DIE CUT,ADHES,VIBRATOR, ULTRA	3.8
HSG,REAR,TOP CARRIER, DECORATED, QUARK MAXX	3.11
GSKT,MIC,MIC, QUARK	3.12
LENS,CAMR,QUARK	3.13
PAD,CNDT,BEZEL, CAMERA, QUARK	3.14
DIE CUT,ADHES,TOP CARRIER, QUARK MAXX	3.15
PESTRICTED MOTOROLA MOBILITA CONTINUE C	MEdiano

 Use the flat end of the Blackstick and ISP Alcohol to remove the Top Carrier Adhesive from the Top Carrier.



Apply the Top Carrier Adhesive to the Top Carrier.

NOTE

Do not remove the outer adhesive liner from the Top Carrier Adhesive until Rear Housing Assembly.

Use the flat end of the Blackstick and ISP Alcohol to remove Headset Jack Adhesive from the Top Carrier.

NOTE

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The Headset Jack Adhesive may remain adhered to the Headset Jack. If it does, remove it from the Headset Jack with the flat end of the Blackstick and ISP Alcohol.

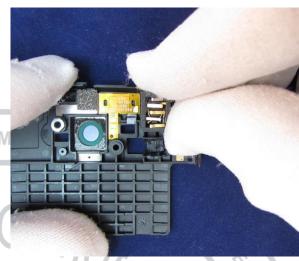


ON PAOPOTOR OLA MINISTRICTED MOTOROLA MOSILIA.

- 4. Remove the adhesive liner and place the Headset Jack in the pocket of the Top Carrier.
- Press the Headset Jack into the Top Carrier pocket.

// CAUTION //

Do not damage the Headset Jack contacts when pressing it into the Top Carrier.



- Remove the adhesive liner and place the Loudspeaker in the pocket of the Top Carrier.
- After the Loudspeaker is seated, apply pressure to the magnet to secure the Loudspeaker to the Top Carrier.



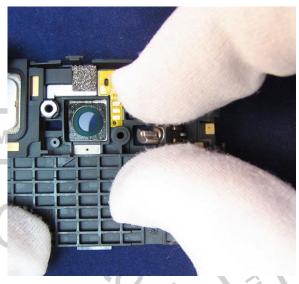
03/20

8. Apply the adhesive to the base of the Vibrator (the side opposite of the contacts).

Remove the adhesive liner and press the Vibrator into the pocket of the Top Carrier.

// CAUTION //

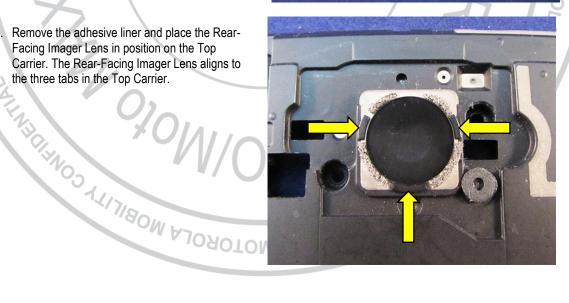
Do not damage the Vibrator contacts when pressing it into the Top Carrier.



Remove the adhesive liner and place the Microphone Gasket into the recess on the Top Carrier.



ESTRICTED MOTOROLA MO. 11. Remove the adhesive liner and place the Rear-Facing Imager Lens in position on the Top Carrier. The Rear-Facing Imager Lens aligns to the three tabs in the Top Carrier.



Battery Preparation

/// **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.

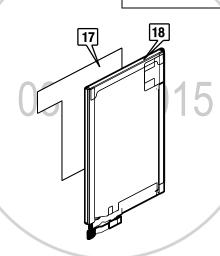
// CAUTION //

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.



Description	Reference #
DIE CUT,ADHES,BATTERY, QUARK MAXX	17
ASSY,BAT,LI POLY,EQ40,3800MAH	18
TALL RESTRICTED MOTOROLA MOBILIA	



2. If the Battery foil pack is wrinkled, slide the flat edge of the Blackstick against the foil

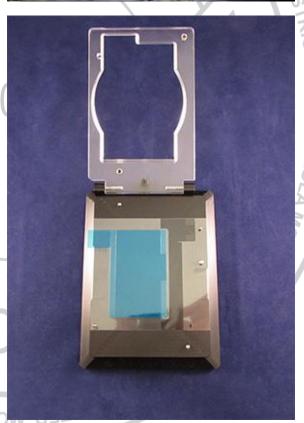


3. Remove the carrier.

4. Place alir /

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RESTRICTED I

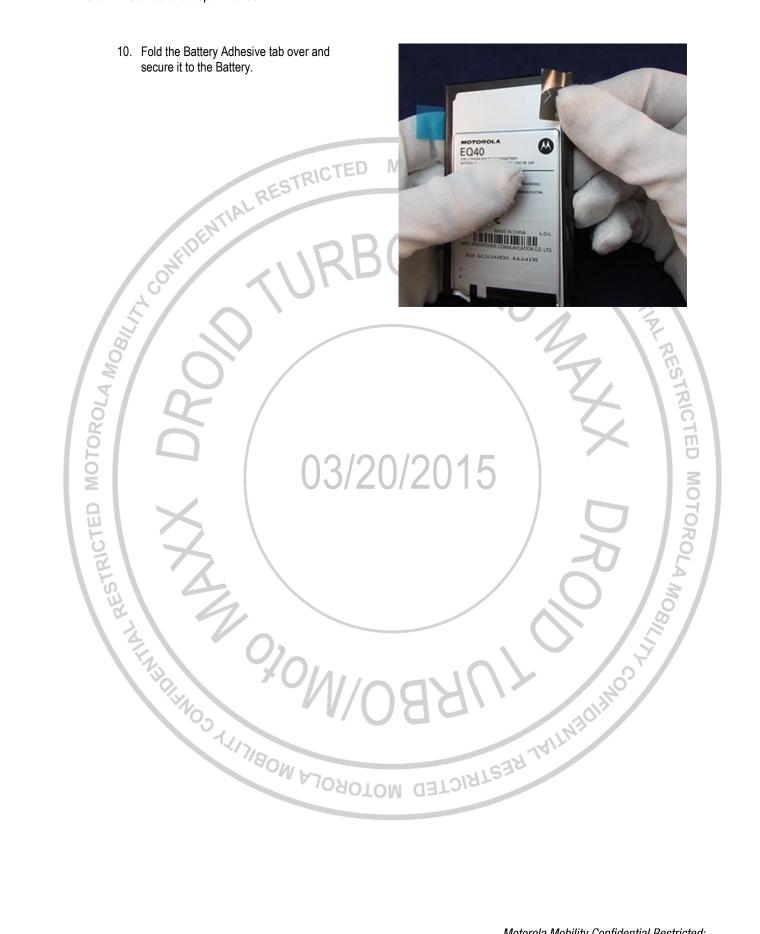


7. Press down on the Battery to secure the Battery Adhesive to the Battery.

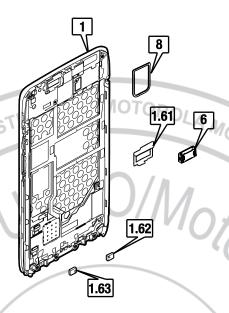


8. Remove the RESTRICTED I Battery toward the Battery Adhesive tab.





Front Housing Preparation



Description	Reference #
ASSY,HSG,FRNT,PROTO, QUANTUM TITANIUM/TITANIUM ASSY,HSG,FRNT,PROTO, QUANTUM DK TITANIUM/DARK TI ASSY,HSG,FRNT,PROTO, QUANTUM RED LAC/RED LAC	X
SPCR,EARPC SPEAKER, QUARK	1.61
SCRN,MESH,MICROPHONE,QUARK	1.62
SCRN,MESH,MICROPHONE,QUARK	1.63
TRANSDUCER,OTHR,6X12X3,6X12X3MM RCVR F0=200HZ, AAC	6
SEAL,LOUD SPEAKER,QUARK	8
LBL,WATER, DETECT	N/A

WINDENTINE RESTRICTED MOTOROLA MOBILINE.

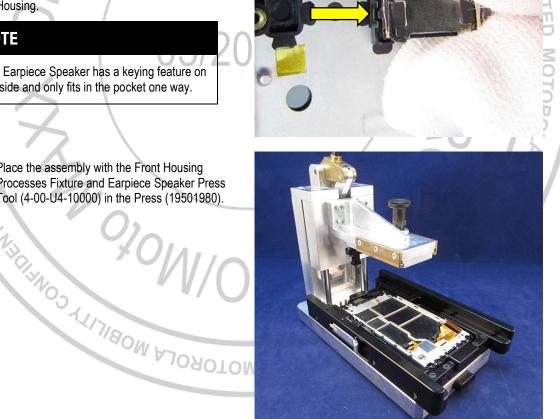
Place the assembly in the Front Housing Processes Fixture (4-00-U4-10000) with the



2. Remove the rearriece & Housing

the side and only fits in the pocket one way.

ESTRICTED A Place the assembly with the Front Housing Processes Fixture and Earpiece Speaker Press Tool (4-00-U4-10000) in the Press (19501980).



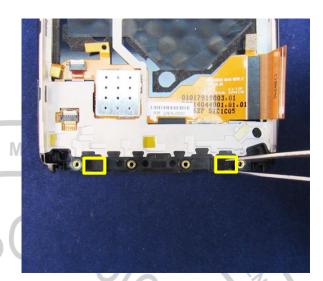
4. Press the Earpiece Speaker for 5 seconds to secure it to the Front Housing.



- South DENTIAL RESTRICTED Place the WDL on the Front Housing pocket between the Power Key and the Volume Key/SIM Card Tray. The WDL must be aligned so that the label can be seen through the Volume Key/SIM Card Tray opening from outside of the RESTRICTED A assembly.



7. Remove the adhesive liners and place the 2 Microphone Meshes in the pockets in the Front Housing.



- CONFIDENTIAL RESTRICTED Remove the Acoustic Gasket from the Acoustic Gasket carrier.
- Place the Acoustic Gasket over the alignment RESTRICTED MOTOROLA pins in the Front Housing Processes Fixture (4-. 00-U4-10000).



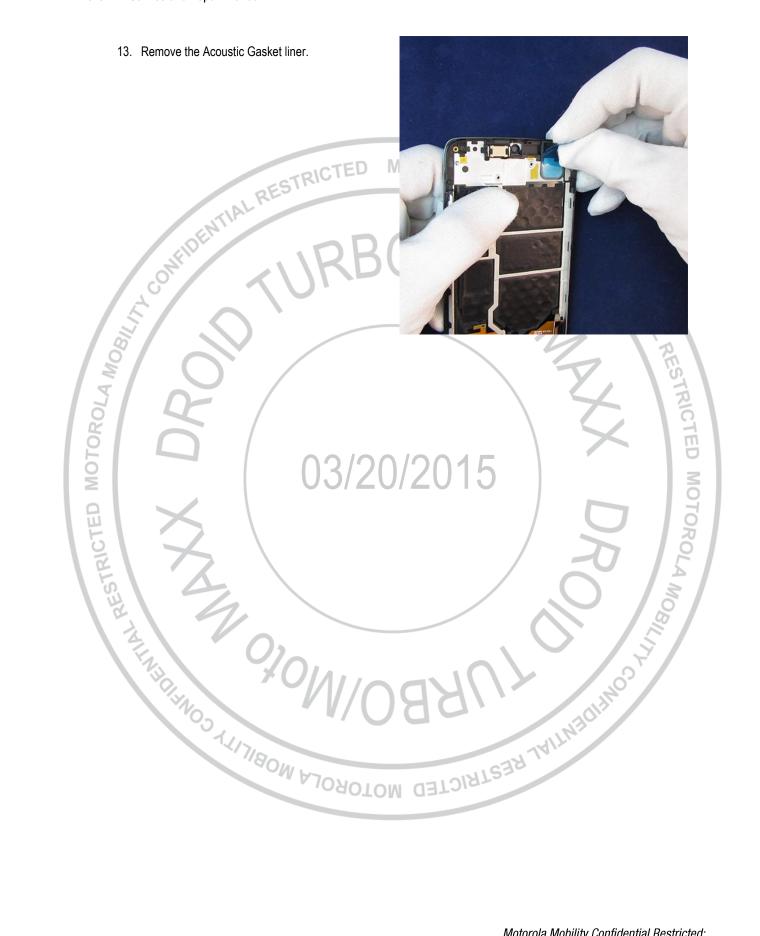
10. Place the Front Housing in the fixture with the



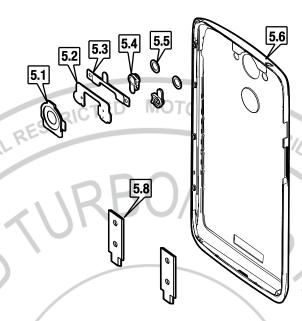
11. Press down on * Acoustic Gask



12. Remove the assembly from the fixture.



Rear Housing Preparation

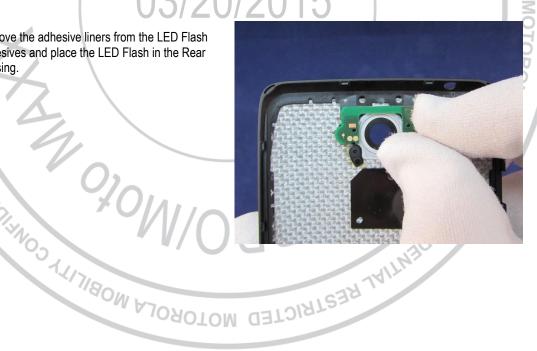


Description	Reference #
ASSY,BZL,CAMERA, QUARK MAXX Ti	5.1
ASSY,BZL,CAMERA, QUARK MAXX DK Ti	
ASSY,BZL,CAMERA, QUARK MAXX BALLISTIC DK TI ASSY,BZL,CAMERA, QUARK MAXX BALLISTIC EMPLOYEE EDITION	
ASSY,PCB,LED FLASH,QUARK	5.2
DIE CUT,ADHES,FLSH PCB/REAR HOUSING, QUARK	5.3
ASSY,LENS,FLASH, QUARK	5.4
ASSY,LENS,FLASH, QUARK BALLISTIC	1
DIE CUT,ADHES,FLSH LENS, QUARK	5.5
HSG,REAR,CVR + OM, DARK, PWR KEY + M LOGO, QUARK MAXX	5.6
HSG,REAR,CVR + OM, RED, PWR KEY + M LOGO, QUARK MAXX HSG,REAR,HOUSING,REAR,COVER, DECORATED, NYL + OM, QUARK MAX	131
SCRN,MESH,MICROPHONE,QUARK	5.8
SCRN,MESH, MIC, TERT/QUIN, QUARK	0.0
MILIAL RESTRICTED MOTOROLA MOBILIA	30,

Remove the adhesive liner and place the Rear-Facing Imager Bezel in the Rear Housing.



- CONFIDENTIAL RESTRICTED Remove the adhesive liner from the Flash Adhesive and place it on the LED Flash PCB.
- Remove the adhesive liner from the LED Flash Lenses and place them over the LEDs on the LED Flash PCB.
- Remove the adhesive liner from the LED Flash Adhesives and place them over the LED Flash Lenses.
- RESTRICTED Remove the adhesive liners from the LED Flash Adhesives and place the LED Flash in the Rear Housing.

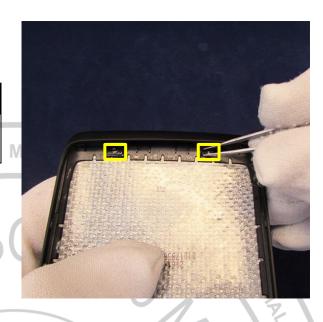


6. Remove the adhesive liners and place the 2 Microphone Meshes in the pockets in the Rear Housing.

// CAUTION //

The Microphone Meshes must not obstruct the microphone openings in the Rear Housing.

7. Hold the Rear Housing up to a light source and verify that light is visible through the openings in the Microphone Meshes.



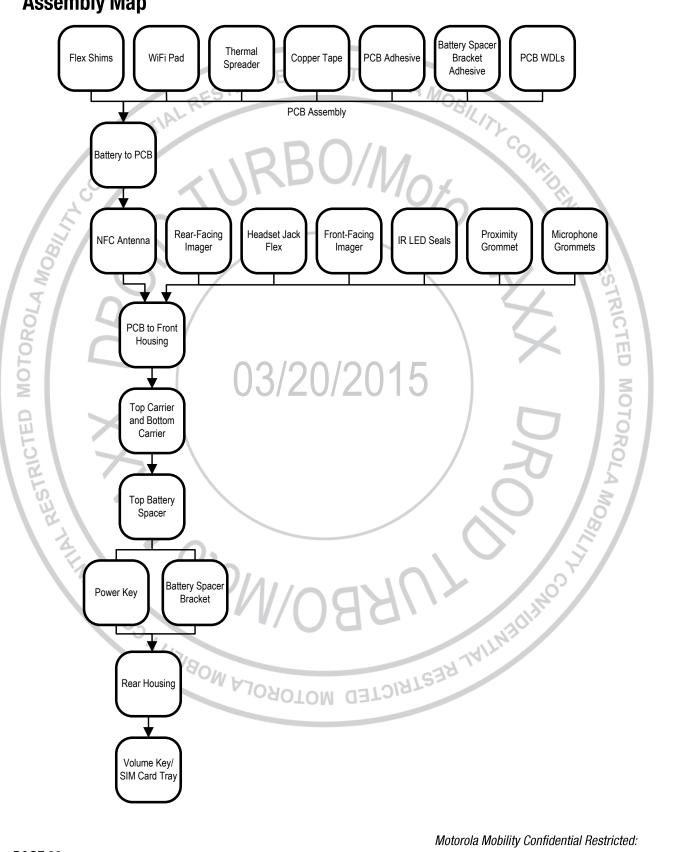
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ASSEMBLY

Assembly Map



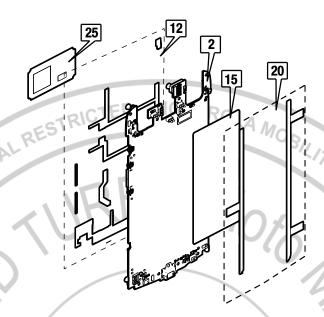
Tools Required for Assembly

The following tools are required to assemble the DROID TURBO / Moto MAXX phone.



Description	Part #	Picture / Drawing
WILAL	OTOR 19501980 - A Mo	
Front-Facing Imager Gasket Assembly Fixture	4-00-R8-10000	
Battery Roller 03/20	5-00-7D-1000	
Blackstick		
5IP Torx Bit	-	
Torque Driver (Adjustable) Tweezers (Plastic or Plastic-Tipped)	aAU)	
ESD Mat and Wrist Strap		
Gloves or Finger Collets Isopropyl (ISP) Alcohol	53	
Ionized Air Blower	-UZIZIGIED-	-
TOTAL DIGITOR	4	

PCB Assembly

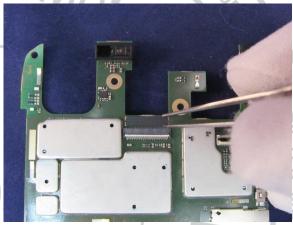


Description	Reference #
ASSY,PWA,XCVR,PORT QUANTUM LATAM	2
ASSY,PWA,XCVR,PORT QUANTUM MAXX ASSY,PWA,XCVR,PORT QUANTUM 64GB MAXX	
DIE CUT,ADHES,PCB, QUARK	12
DIE CUT,ADHES,HT SPREADER, QUARK	15
DIE CUT,ADHES,BAT SPACER, QUARK MAXX	20
DIE CUT,TAPE, COPPER, 0.14MM, APQ SHIELD, QUARK	25
PAD,20MP IMGR FLX ASSY, QUARK	N/A
PAD,2MP IMGR FLX ASSY, QUARK	N/A
PAD,HSJ FLX ASSY, QUARK	N/A
PAD,DISP FLX ASSY, QUARK	N/A
LBL,WATER, DETECT	N/A (Qty. 3)
AL RESTRICTED MOTOROLA MOBILITY CONSTITUTION OF THE PROPERTY O	INECIE

- Use the Tweezers to place the Front-Facing Imager Shim. The Front-Facing Imager Shim aligns with the etched markings on the PCB.
- Press down on the Front-Facing Imager Shim to secure it to the PCB.



- ONFIDENTIAL RESTRICTED Use the Tweezers to place the Rear-Facing Imager Shim. The Rear-Facing Imager Shim aligns with the etched markings on the PCB.
- MOTOROLAMOS Press down on the Rear-Facing Imager Shim to secure it to the PCB.



9/0/1

- RESTRICTED A Use the Tweezers to place the Audio Flex Shim. The Audio Flex Shim aligns with the etched markings on the PCB.
 - Press down on the Audio Flex Shim to secure it to the PCB.

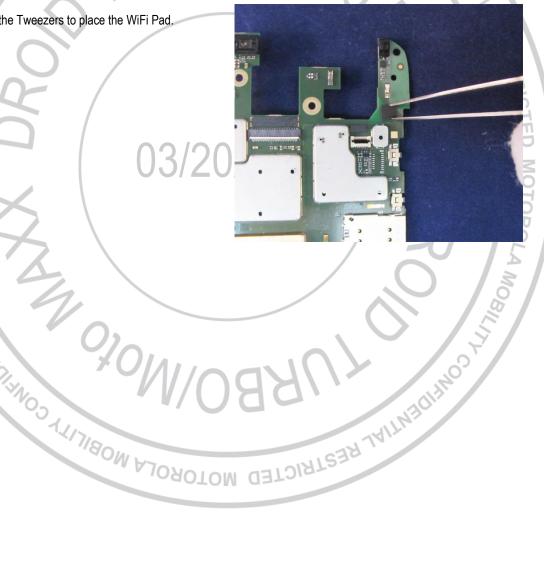


Level 2 - Service and Repair Manual

- 7. Use the Tweezers to place the Display Flex Shim. The Display Flex Shim aligns with the etched markings on the PCB.
- Press down on the Display Flex Shim to secure it CONFIDENTIAL RESTRICTED



MOTOROLA MOSIZ, Use the Tweezers to place the WiFi Pad



RESTRICTED A

11. Place the PCB or with the Shields 10. Set the PCB Processes Fixture (4-00-U3-10000)



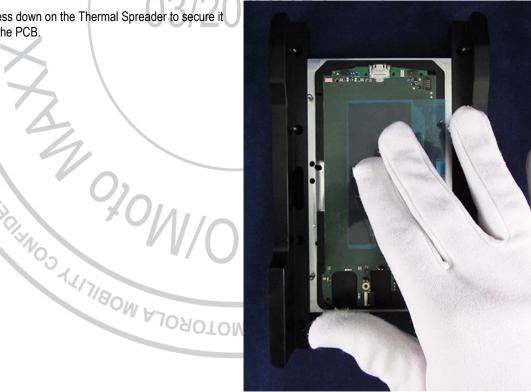


12. Remove the adhesive liners from the Thermal Spreader.

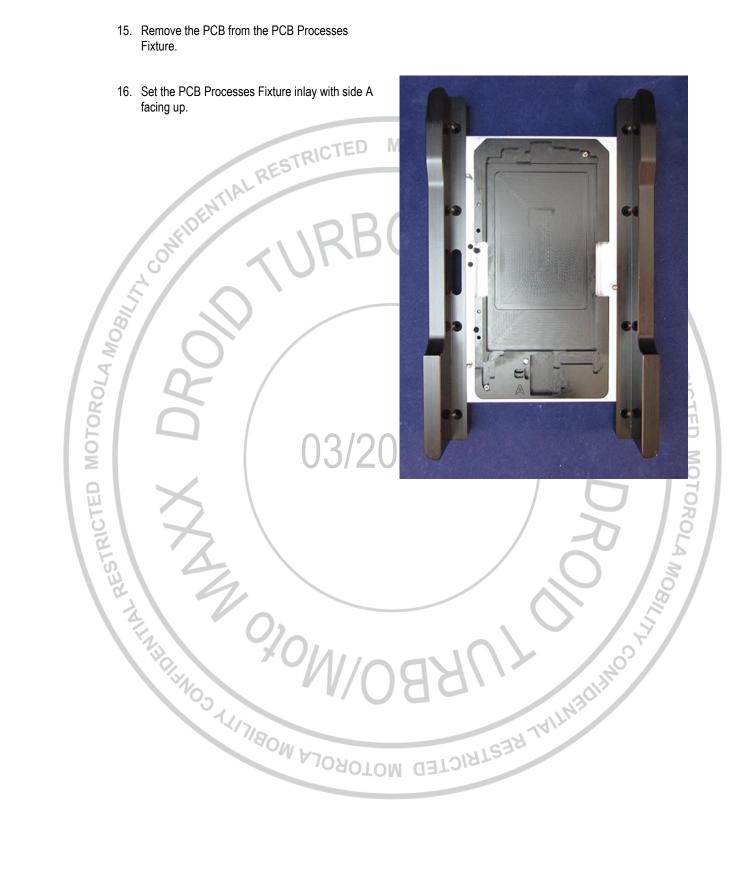
14. Press down or to the PCB. 13. Place the Thermal Spreader over the alignment



14. Press down on the Thermal Spreader to secure it



15. Remove the PCB from the PCB Processes



17. Set the PCB Processes Fixture bracket in the



18. Place the PCB with the Shielr

- 19. Remove the Copper Tape from the carrier.
- 20. Place the Copper Tape over the 2 alignment pins



e 2 alignoracket, and JB Processes Fi.

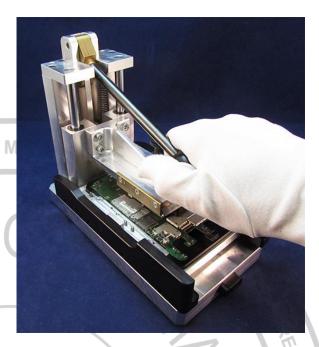
21. RESTRICTED (19501980).



22. Press the Copper Tape for 5 seconds to secure it to the PCB.

NOTE

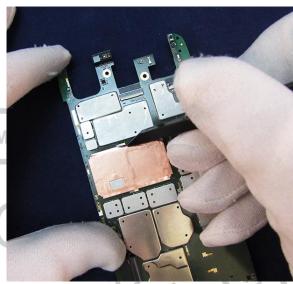
Hold the PCB down by hand to ensure it does not lift out of the fixture when the press is released.

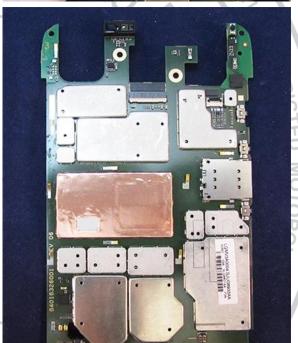


- Remove the PCB from the PCB Processes Fixture, and the PCB Processes Fixture and Copper Tape Press Tool from the press.
- 24. Remove the liner from the Copper Tape.

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oend the C to the PCB St. 25. Use the Blackstick to bend the Copper Tape





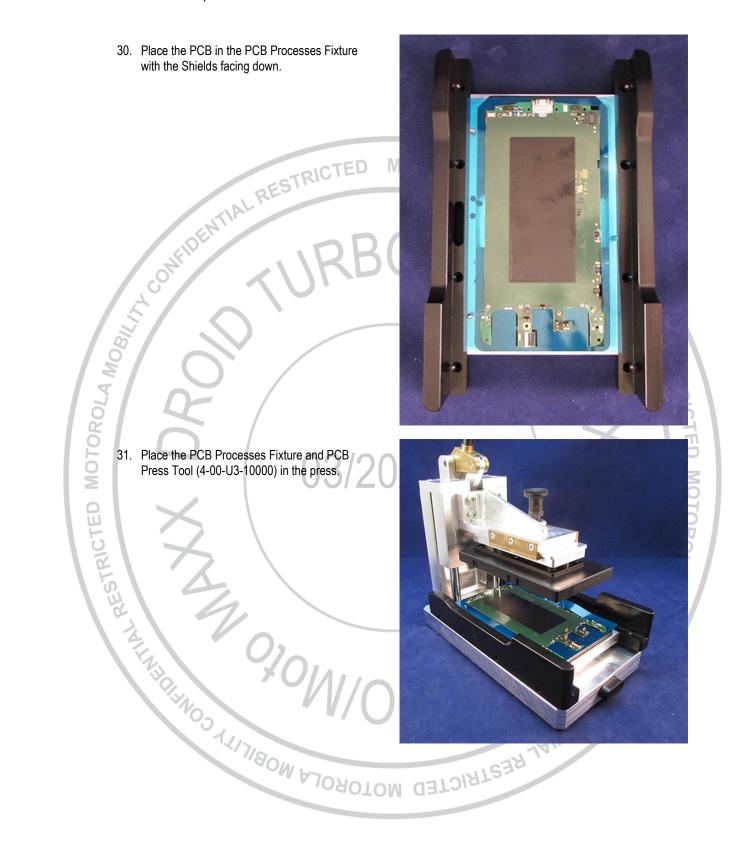
26. Remove the PCB Processes Fixture bracket.

28. Remove the top F

29. Place the PC on the left r 27. Set the PCB Processes Fixture inlay with side B







32. Press the PCB Adhesive for 10 seconds to secure it to the PCB.



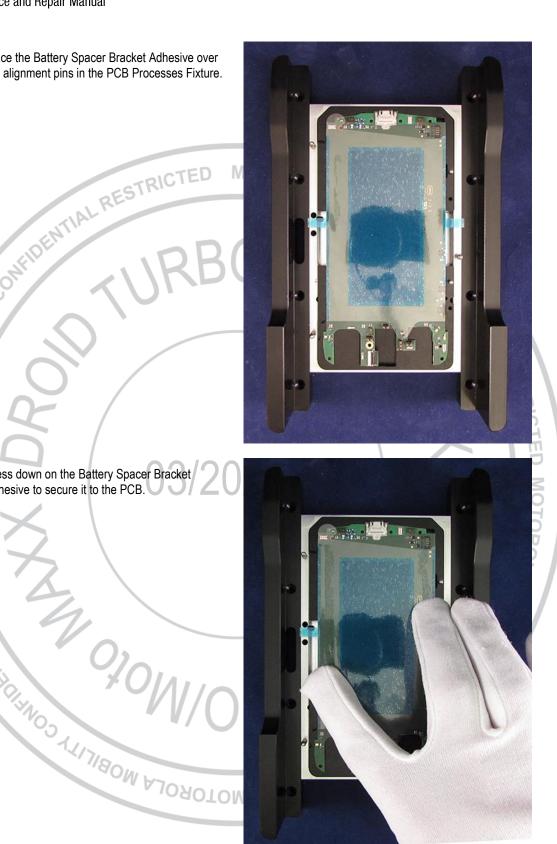
- 33. Remove the Pr press. The F in the fixt.

 34. P'



35. Remove the top Battery Spacer Bracket Adhesive liner.

36. Place the Battery Spacer Bracket Adhesive over



37. Press down on 'Adhesive to sr

38. Remove the PCB from the PCB Processes Fixture.



Battery to PCB Assembly

/// **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.

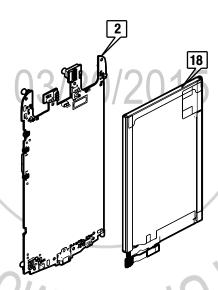
// CAUTION //

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.



Description	Reference #
ASSY,PWA,XCVR,PORT QUANTUM LATAM ASSY,PWA,XCVR,PORT QUANTUM MAXX ASSY,PWA,XCVR,PORT QUANTUM 64GB MAXX	2
ASSY,BAT,LI POLY,EQ40,3800MAH	18

1. Set the PCB Processes Fixture (4-00-U3-10000)



Remove the Battery Adhesive liner.

an the oute.
as Fixture.

5. Press down on thr
6. Remove the r
7. Set the F
Battery 4. Place the PCB between the outer alignment pins





8. Set the Battery Roller force to 50 N.

Place the assembly in the PCB Processes Fixture with the Battery facing up.

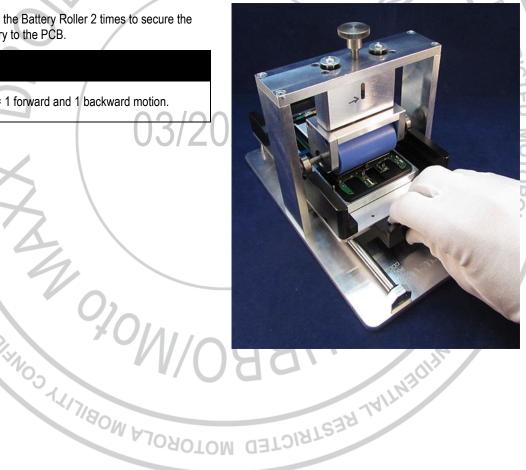


RESTRICTED RESTRICTED 10. Cycle the Battery Roller 2 times to secure the Battery to the PCB.

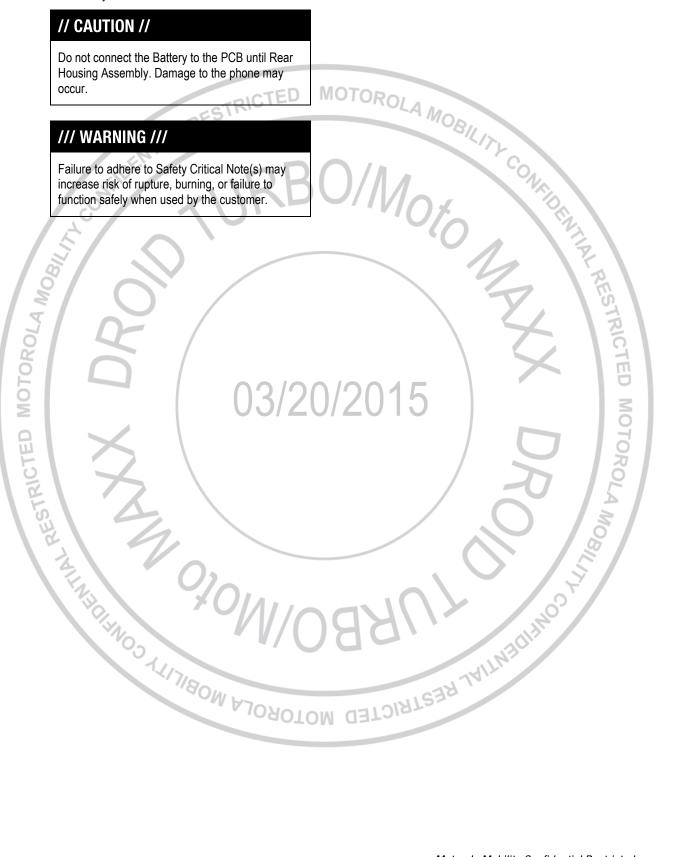
NOTE

RESTRICTED MOTOROL

1 cycle = 1 forward and 1 backward motion.



11. Remove the assembly from the fixture and Battery Roller.



NFC Antenna Assembly

/// **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.

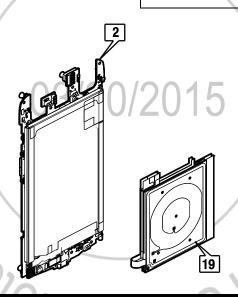
// CAUTION //

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.

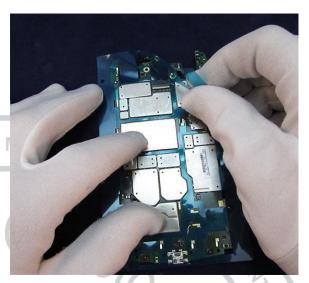
Prior to assembly, ensure Battery edges and surfaces are not dented or deformed, and that fixtures and parts that will contact the Battery are free of foreign material.

Ensure screws and screwdrivers do not contact the Battery.



Description	Reference #
ASSY,PWA,XCVR,PORT QUANTUM LATAM ASSY,PWA,XCVR,PORT QUANTUM MAXX ASSY,PWA,XCVR,PORT QUANTUM 64GB MAXX DIE CUT,ADHES,BATTERY, QUARK MAXX ASSY,BAT,LI POLY,EQ40,3800MAH	2
FIXED INDUCTOR,NFC/WC, FLEX, QUARK MAXX	19

1. Remove the PCB Adhesive liner if present. If the PCB Adhesive pulls up from the PCB when removing the liner, use the Blackstick to secure the Adhesive to the PCB.



CONFIDENTIAL RESTRICTED Set the PCB Processes Fixture (4-00-U3-10000) with side B facing up, and the PCB Process Fixture bracket with side 2 facing up.





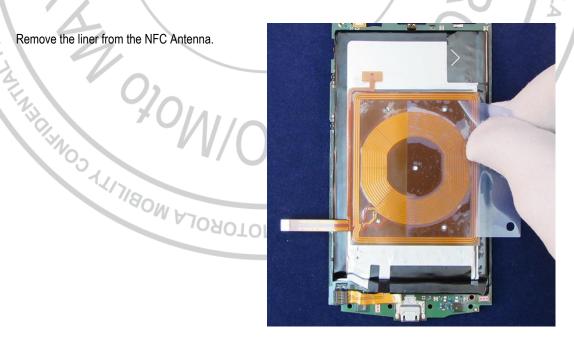
RESTRICTED A



5. Place the NFC Antenna over the alignment pins in the PCB Processes Fixture bracket.



- The property of the property o
 - RESTRICTED I Remove the assembly from the PCB Processes Fixture.
 - Remove the liner from the NFC Antenna.



9. Verify that the NFC Flex tail is aligned with the slot on the side of the PCB.



10. Fold the NFC Antenna Flex around the PCB edge using the slot in the PCB to align it.

// CAUTION //

Do not damage the NFC Antenna Flex when bending it around the PCB.



Slide a fingertip over the NFC Flex BtB
 Connector to connect the NFC Antenna to the PCB.

// CAUTION //

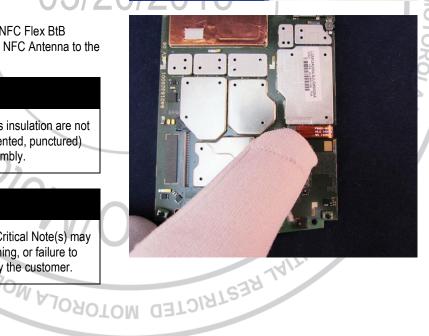
MOTOROL

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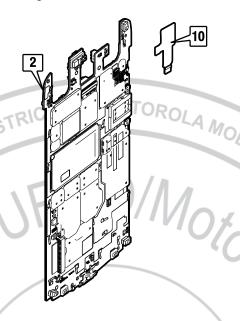
Verify that the Battery and its insulation are not damaged (e.g. scratched, dented, punctured) prior to and throughout assembly.

/// **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.

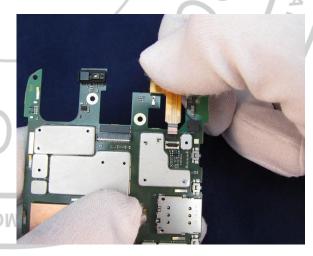


Headset Jack Flex Assembly

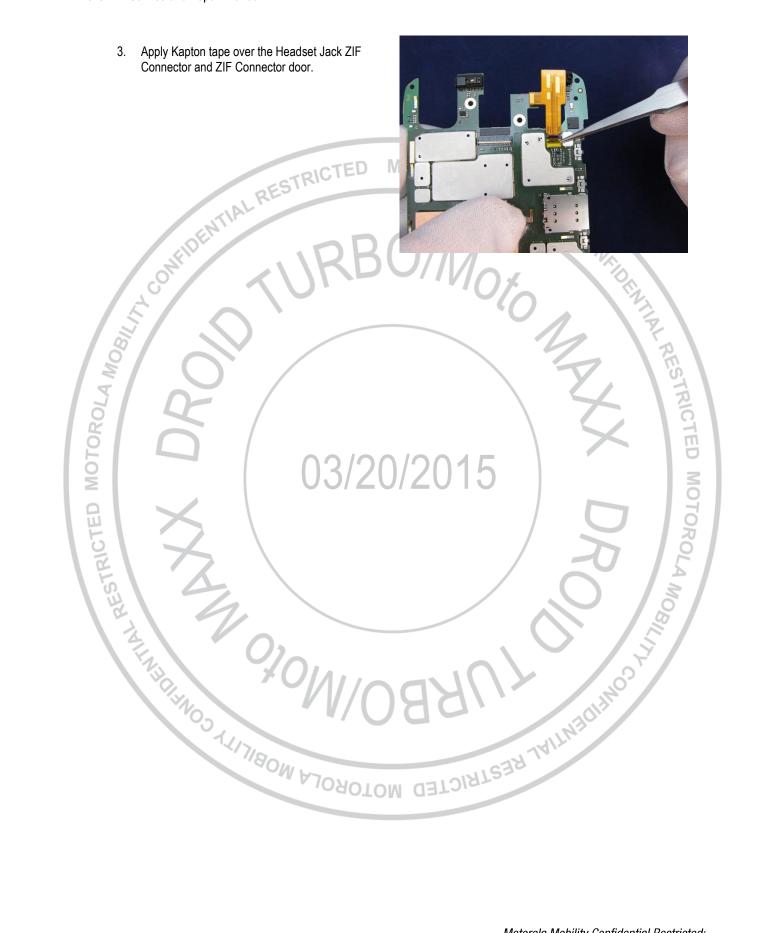


Description	Reference #
ASSY,PWA,XCVR,PORT QUANTUM LATAM ASSY,PWA,XCVR,PORT QUANTUM MAXX ASSY,PWA,XCVR,PORT QUANTUM 64GB MAXX DIE CUT,ADHES,BATTERY, QUARK MAXX ASSY,BAT,LI POLY,EQ40,3800MAH FIXED INDUCTOR,NFC/WC, FLEX, QUARK MAXX	2
ASSY,FLXCKT,HSJ/VIB, QUARK	10
DIE CUT,KAPTON, UNIVERSAL, 6 X 3	N/A

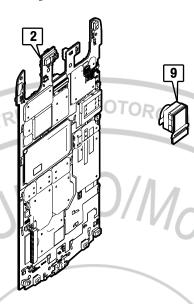
1. Insert the Headset Jack Flex into the Headset Jack ZIF Connector. Use the white line as a guide for insertion depth.



2. Slide a fingertip over the ZIF Connector door to close it.



Rear-Facing Imager Assembly



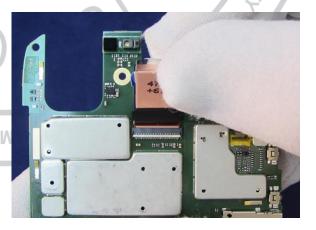
Description	Reference #
ASSY,PWA,XCVR,PORT QUANTUM LATAM ASSY,PWA,XCVR,PORT QUANTUM MAXX ASSY,PWA,XCVR,PORT QUANTUM 64GB MAXX	2
ASSY,FLXCKT,MDL,20MP,REAR IMGR	9
DIE CUT,KAPTON, UNIVERSAL, 12 X 4	N/A

 Verify that the Rear-Facing Imager ZIF Connector door is open.

// CAUTION //

If the ZIF Connector door is not open, the ZIF Connector may be damaged.

 From the shield side of the PCB, insert the Rear-Facing Imager Flex into the Rear-Facing Imager ZIF Connector. Use the white line as a guide for insertion depth.



3. Lower the Rear-Facing Imager into the cutout in the PCB.

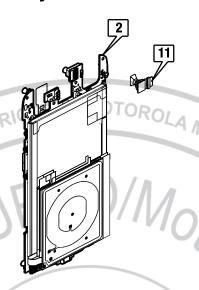


- NEIDENTIAL RESTRICTED Slide a fingertip across the ZIF Connector door to close it.
- Place Kapton tape over the Rear-Facing Imager ZIF Connector door.

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Front-Facing Imager Assembly



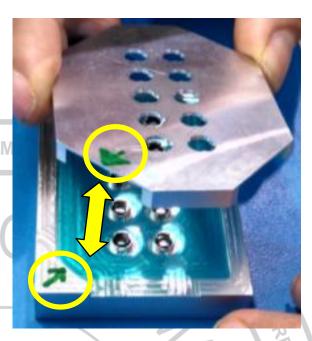
Description	Reference #
ASSY,PWA,XCVR,PORT QUANTUM LATAM ASSY,PWA,XCVR,PORT QUANTUM MAXX ASSY,PWA,XCVR,PORT QUANTUM 64GB MAXX	2
ASSY,FLXCKT,MDL,2MP, FF IMGR	11
DIE CUT,KAPTON, UNIVERSAL, 8 X 4	N/A

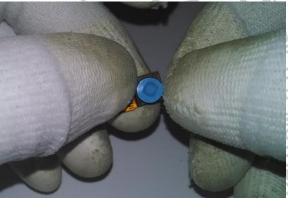
Place the Front-Facing Imager Gasket carrier on the Front-Facing Imager Gasket Assembly Fixture (4-00-R8-10000) with the adhesive side facing up. Match the angled corner of the gasket carrier to the angled corner of the recessed pocket in the fixture.



Jer the Gasurner of the fixture recessed pocket in.

3. Remove the liner from the fixed fi 2. Place the fixture lid over the Gasket carrier.





- 5. Apply pressure to the Front-Facing Imager to adhere the Gasket to the Imager.

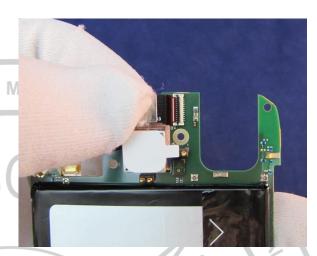


Level 2 - Service and Repair Manual

- Remove the Front-Facing Imager from the fixture and verify that the gasket is adhered.
- anager Flex into th
 ∠IF Connector. Use the
 Le for insertion depth.

 8. Slide a finger of the 7'
 it.

 9. Apply Kap'
 ZIF Cor

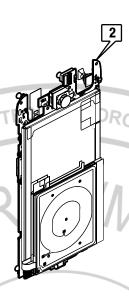




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IR LED Seal Assembly

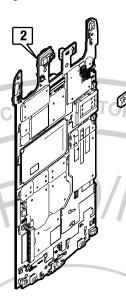


Description		Reference #
ASSY,PWA,XCVR,PORT QU ASSY,PWA,XCVR,PORT QU ASSY,PWA,XCVR,PORT QU	JANTUM MAXX	2
SEAL,IR LED	02/20/2015	N/A (Qty. 3)

- Apply the 3 IR LED Seals to the 3 IR LEDs on the PCB.
- Press down on the Seals to secure them to the PCB.
- Verify that the Seals are flush to the IR LEDs.

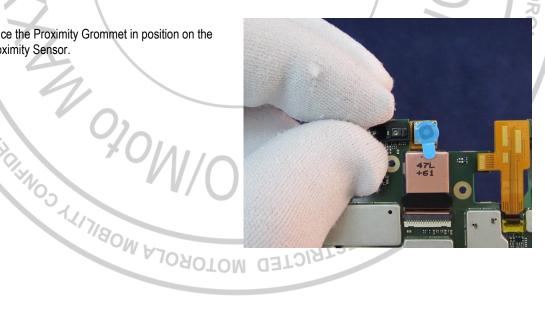


Proximity Grommet Assembly

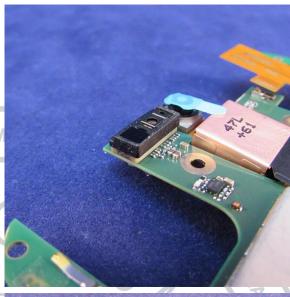


Description	Reference #
ASSY,PWA,XCVR,PORT QUANTUM LATAM ASSY,PWA,XCVR,PORT QUANTUM MAXX ASSY,PWA,XCVR,PORT QUANTUM 64GB MAXX	2
GROMMET,PROX, QUARK	7

- Remove the Proximity Grommet from the carrier.
- Place the Proximity Grommet in position on the Proximity Sensor.



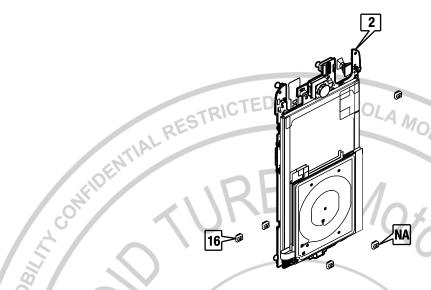
3. Verify the Proximity Grommet is flush with the





4. Press down the adhese THOSINITO TO A DOTOROLA MOBILITA CONTINUO PILITA CONTINUO PILI

Microphone Grommet Assembly



Description		R	Reference #
ASSY,PWA,XCVR,PORT QUANTU ASSY,PWA,XCVR,PORT QUANTU ASSY,PWA,XCVR,PORT QUANTU	JM MAXX	2	Z \ 1
GROMMET,MIC,QUARK	00/00/00/5	10	6 (Qty. 2)
GROMMET,MIC,QUARK MAXX	03/20/2013	N	/A (Qty. 3)

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PCB to Front Housing Assembly

/// **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.

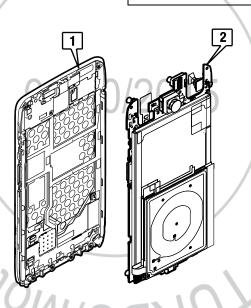
// CAUTION //

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.

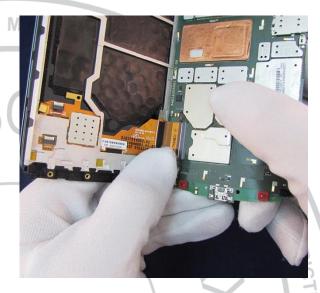


Description	Reference #
ASSY,HSG,FRNT,PROTO, QUANTUM TITANIUM/TITANIUM ASSY,HSG,FRNT,PROTO, QUANTUM DK TITANIUM/DARK TI ASSY,HSG,FRNT,PROTO, QUANTUM RED LAC/RED LAC	Y
ASSY,PWA,XCVR,PORT QUANTUM LATAM ASSY,PWA,XCVR,PORT QUANTUM MAXX ASSY,PWA,XCVR,PORT QUANTUM 64GB MAXX	2
DIE CUT,KAPTON, UNIVERSAL, 18 X 12	N/A

DROID TURBO / Moto MAXX

Level 2 - Service and Repair Manual

- Remove the liner from the PCB Adhesive if
- Remove the liner from the Battery Spacer Bracket Adhesive.
- 3. Insert the Display Flex into the Display Flex ZIF Connector on the PCB. Use the white line as a guide for insertion depth.



D MOTOROLA MOBILITY COM. The white line on the Display Flex must be parallel RESTRICTED I to the Display Flex ZIF Connector.



JOROTOM GETZIRICTED MOTOROL Slide a fingertip over the ZIF Connector door to close it.

5. Apply Kapton tape over the Display Flex ZIF Connector and ZIF Connector door.

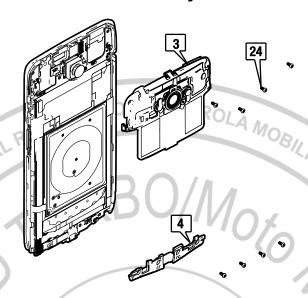


- JEDENTIAL RESTRICTED Remove the liner from the Front-Facing Imager if present.
- Spray ionized air on the Front-Facing Imager and the Front Housing pocket to remove any dust particles.
- Rotate the PCB down into position in the Front Housing.



Press down on the Battery to secure the PCB to the Front Housing.

Top Carrier and Bottom Carrier Assembly



Description	Reference #
ASSY,HSG,REAR,TOP CARRIER, QUANTUM MAXX	3
HSG,REAR,BOT CARRIER, W/ANTENNA, QUANTUM	4
SCR,MACH,M1.6 X .35, 2.6MM HD, 5IP	24 (Qty. 8)

- Remove the liner from the Rear-Facing Imager if present.
- Spray ionized air on the Rear-Facing Imager and the Top Carrier pocket to remove any dust particles.
- Place the Top Carrier straight down into position over the PCB.



4. Press down on the Top Carrier to engage the 2 side snaps.

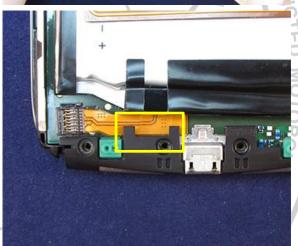


 Slide the Bottom Carrier into position over the PCB. Verify the Battery Flex is beneath the tabs on the Top Carrier.



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6. Insert 4 5IP Screws into the Top Carrier and 4 5IP Screws into the Bottom Carrier.

NOTE

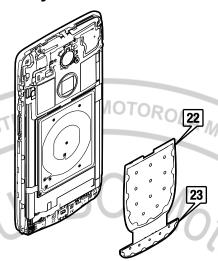
The Top Carrier and the Bottom Carrier must be in position before inserting and tightening the screws.

7. Tighten the 8 5IP Screws to 1.0 in-lbs. (0.11 N·m) in the order shown.



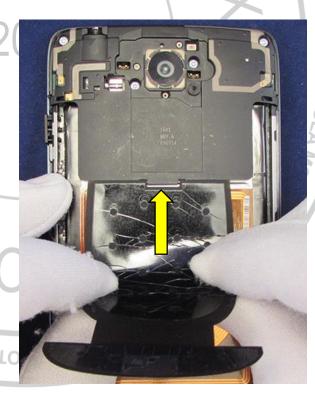
RESTRICTED A

Top Battery Spacer Assembly



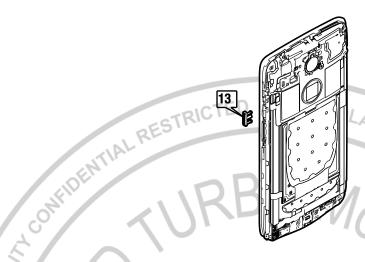
Description	Reference #
SPCR, C BATTERY, QUARK MAXX	22
SPCR,BATTERY, TOP, QUARK	23

- 1. Remove the Top Battery Spacer liner.
- 2. Place the Top Battery Spacer over the NFC Antenna and Battery. Align the cutout in the Top Battery Spacer with the tab on the Top Carrier.



3. Press down on the Top Battery Spacer to secure it to the NFC Antenna and Battery.

Power Key Assembly



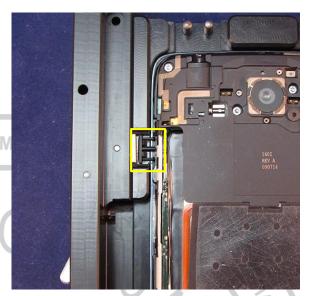
Reference # Description

POWER BUTTON ASSEMBLY, LICORICE ASSY,PRD OTH,PWR BUTTON, LAQUER RED, QUARK ASSY, PRD OTH, PWR BUTTON, QUARK COLOR MATCH RED

Place the assembly in the Front Housing Processes Fixture (4-00-U4-10000) with the main lens facing down.



Place the Power Key into the Front Housing



3. Pull the fixture lever outward Key into the Front Housing

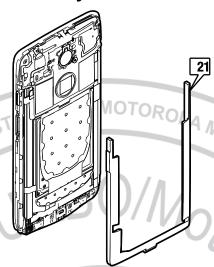
4. Re:

5.



- 5. Press the Power Key several times to verify the tactile response.

Battery Spacer Bracket Assembly



	Description	Reference #
/	HSG,BAT SPACER, QUARK MAXX	21
	HSG,BAT SPACER, QUARK MAXX NYL	

- Slide a fingertip over the Battery Flex BtB Connector to connect the Battery to the PCB.
- RESTRICTED MOTORO Position the Battery Spacer Bracket over the Battery and Battery Spacer Bracket Adhesive on the PCB.



Rear Housing Assembly

/// **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.

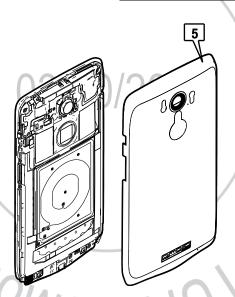
// CAUTION //

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.



Description	Reference #
ASSY,HSG,REAR,COVER, QUARK RED	5
ASSY,HSG,REAR,COVER, PWR KEY + M LOGO, QUARK MAXX DK	
ASSY,HSG,REAR,COVER, PWR KEY + M LOGO, QUARK MAXX RED	
ASSY,HSG,REAR,COVER, BALLISTIC NYLON, QUARK MAXX	
ASSY,HSG,REAR,COVER, BALLISTIC NYLON, QUARK MAXX 64GB	
ASSY,HSG,REAR,COVER, BALLISTIC NYLON, QUARK MAXX EMPLOYEE EDITION	
ASSY,HSG,REAR,COVER, BALLISTIC NYLON, QUARK MAXX LATAM	

1. Insert the bottom edge of the assembly into the Rear Housing.

NOTE

The phone assembly must be inserted into the Rear Housing at an angle, bottom edge first, as shown.

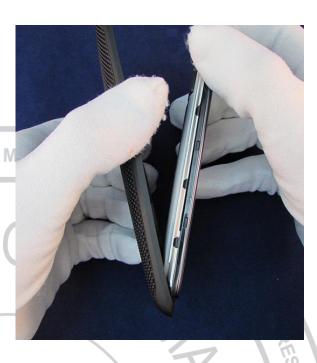
// CAUTION //

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

/// **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.

Engage the upper-left corner snaps.





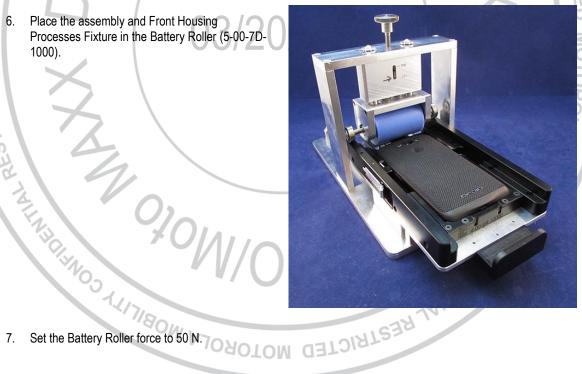
RESTRICTED I



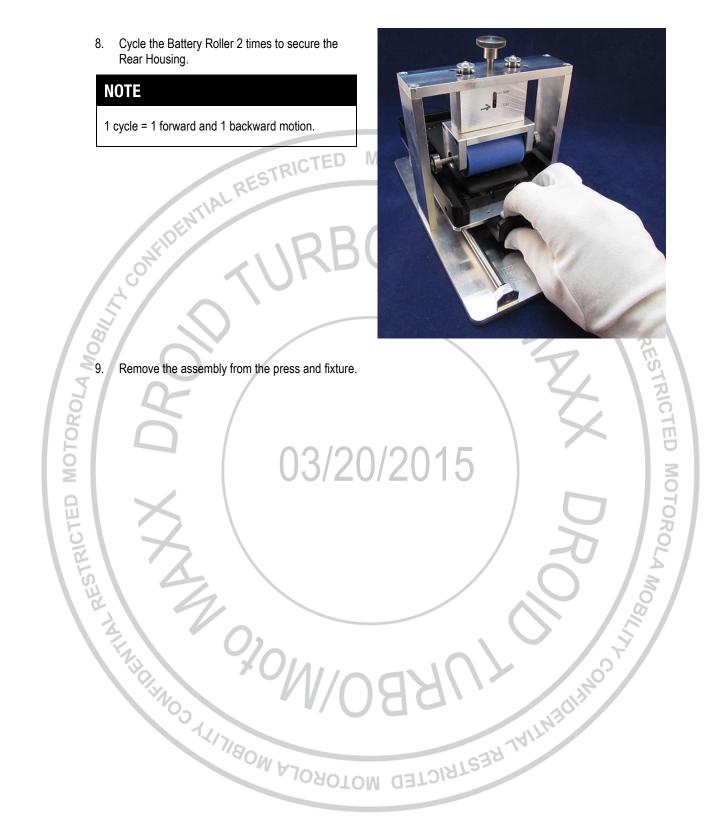
Place the assembly in the Front Housing



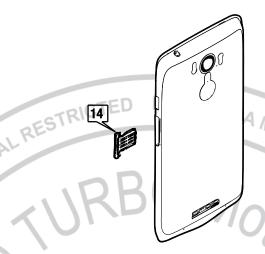
6. Place the assert Processes Fix't 1000).



8. Cycle the Battery Roller 2 times to secure the Rear Housing.



Volume Key/SIM Card Tray Assembly



Description

ASSY,HSG,SIM TRAY, QUARK LIC
ASSY,HSG,SIM TRAY, QUARK LAQUER RED
ASSY,HSG,SIM TRAY, QUARK COLOR MATCH RED

 Insert the Volume Key/SIM Card Tray into the Front Housing.



- Verify the Volume Key/SIM Card Tray is flush with the Rear Housing.
- Press the Volume Key/SIM Card Tray to verify the tactile response.