

## P9 Repair Guide Procedure



**IMPORTANT:**

This procedure is provided for the exclusive use of Escape Distributors and/or authorized dealers and is not intended for publication or public use or distribution. Note that any repair done by any technician or user other than qualified Escape technicians will void the warranty automatically. Please don't share this document without authorization from Escape bvba.

## 1. Bottom section

Bottom section related repairs : The P9 is not switching on, or not Bluetooth connecting, or not loading...access to Main board, Power supply board, Bluetooth antenna or disconnected cables.

Tools required for repair procedures :



Removal tool



Philips screwdriver

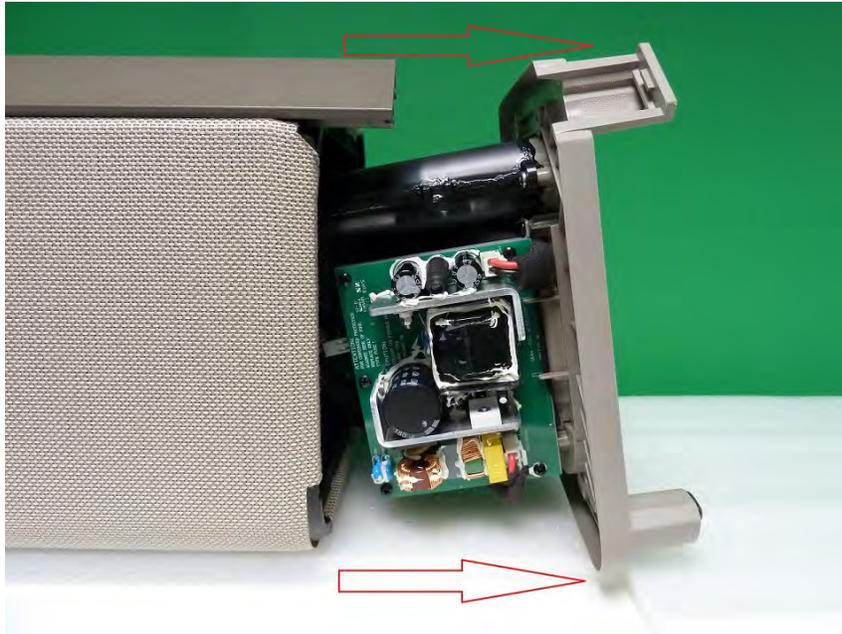


Allen key (hexagonal key)

- A) Remove the 8 screws using a phillips screwdriver located on the bottom section inserts shown in red circles below.



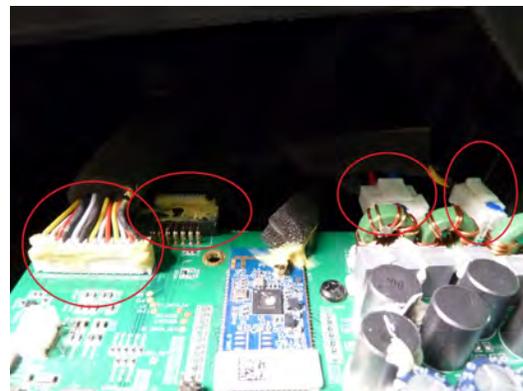
B) Gently slide the bottom section out of the P9 body until you feel the cables are obstructing the further sliding outwards of the bottom section.



C) Disconnect the four (4) cables on the main board shown here below in red circles



Main board



Main board magnified with the four (4) cable connections

## 2. Bottom section disconnected

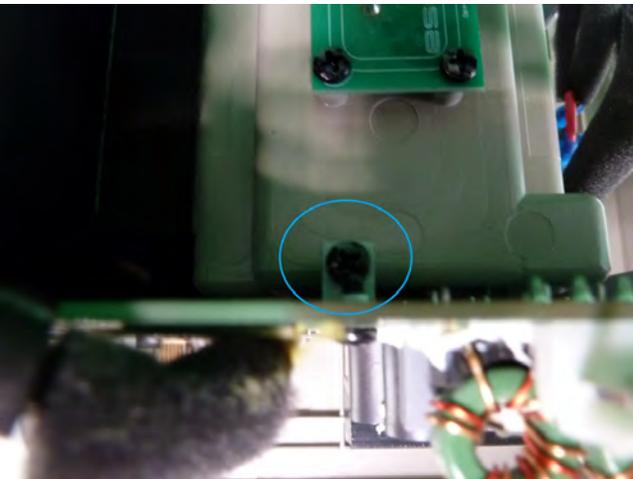
### 2.1 When you have to replace the Main Board



A) First disconnect the connectors here shown in the red circles from the main board



B) Then remove the 2 screws here shown in the blue circles



C) Then remove the top screw on top part of the main board

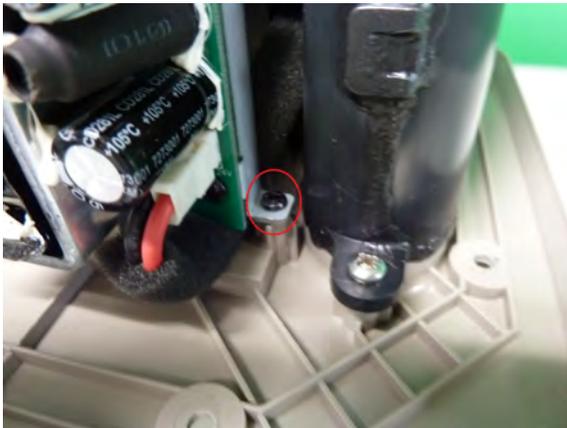


D) Finally remove self-adhesive Bluetooth antenna with a cutter shown here in the red circle.  
Now you can remove the main board and replace it with a new one by following these steps backwards.

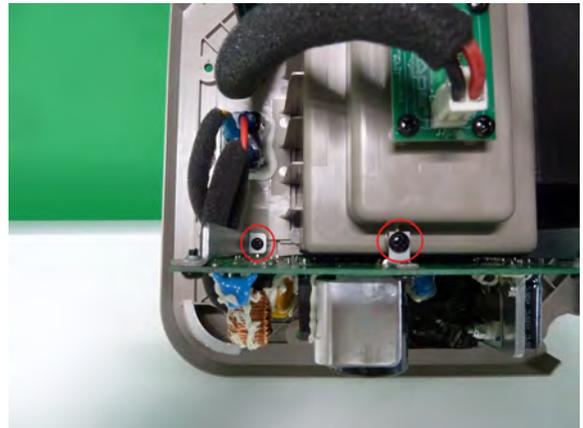
## 2.2 When you have to replace the Power Supply Board



A) First disconnect the cables from the power supply board shown in the red circles



B) Then remove the screw bottom right as shown here in the red circle.



C) Finally remove the screws behind the power supply board one on the bottom left and one on the top center, now you can remove the power supply board and replace it with a new one.

### 3. Battery

When you need to check the battery or replaced it with a new one



A) Remove the four (4) screws in the red circles shown above to remove the battery cover.



B) Battery cover removed, black battery exposed as shown above.



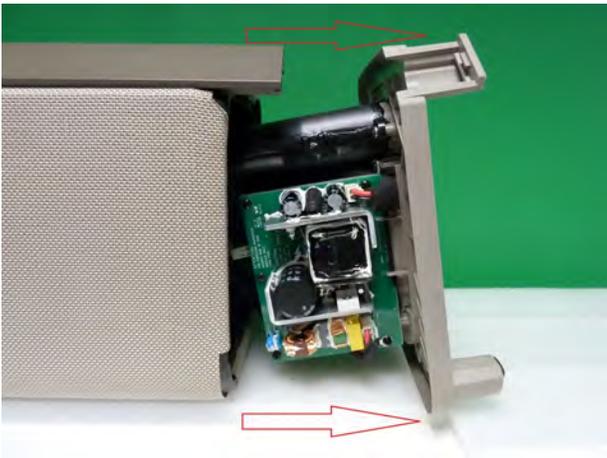
C) Battery disconnected and removed from battery placement in the bottom section as shown above.

## 4. Top Section

Top section related repairs : Access to keypad, AUX board and bad connected or disconnected cables.  
The following several steps are there to guide you to reach the P9's top section and remove it.  
In between the first and last step several other possible service issues can be resolved.



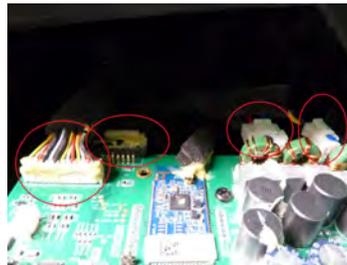
4 a) First remove the eight (8) screws in order to gently slide out the bottom section



4 b) Gently slide the bottom section out of the P9 body until you feel the cables are obstructing the further sliding outwards of the bottom section.



4 c) Main Board when bottom section is slid out.



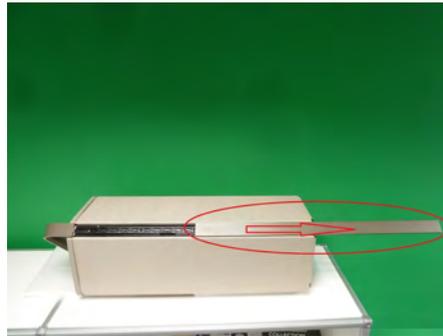
4 c) Main Board magnified



4 c) Bottom section separated from the P9 body

4 c) Disconnect the four (4) cables on the main board shown here above in the red circles, slide out further gently the bottom section so you can separate it from the P9 body and set it aside.

4 d) Slide out both trims on both sides in order to see the black tension bars



Trim (in the red circles in pictures above) on each side of the P9 unit are to slid out in order to expose the black tension bars (in the blue circle in the last picture above) these are also on both sides of the P9 unit.

4 e) Remove the 5 screws on both tension bars on both sides of the P9 unit and remove the tension bars



5 screws shown in the red circles here above



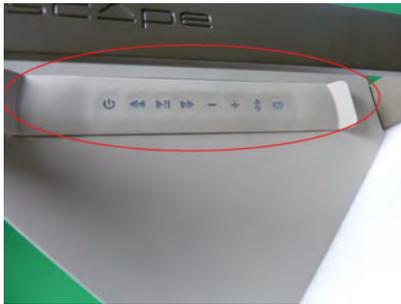
Tension bar(s) removed (do it on both sides)

4 f) First fixation points of the top section on both sides of the P9 unit beneath the handle exposed once you have removed the tension bars, \*remove the screws on both sides of the P9 unit

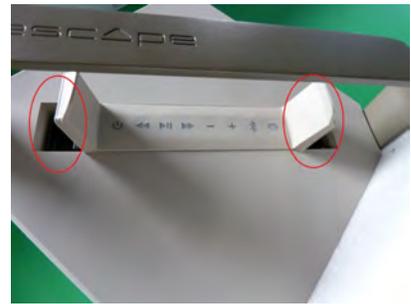


\* Remove the screw shown in the red circle above on both sides of the P9 unit, these are the two (2) first fixation points out of six (6) in order to remove the top section

4 g) Disconnect and remove the keypad



P9 keypad



Lift the extremities of the TPU-rubber



Lift and push the clip (red circle) on the right hand side of the keypad to lift the keypad out of it's implacement



Lift the keypad out of it's implacement

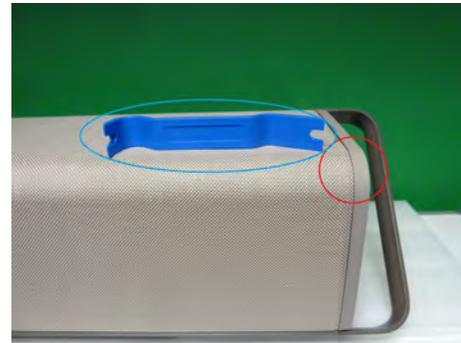


Disconnect the keypad from the flatcabel connector, now you can remove the keypad

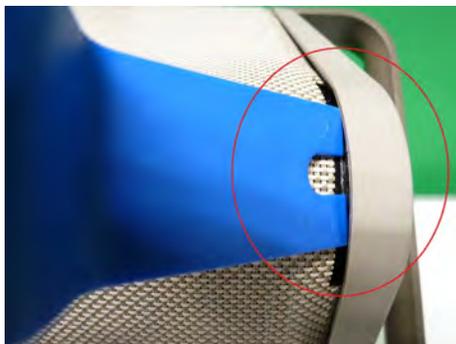
4 h) Removal of the top section by removing the four (4) remaining fixation points



Remove the two (2) screws from the keypad implantation



Use the removal tool (blue circle) to detach (unclip) the rounded area of the top section (red circle)



Gently push the removal tool between the top section and the P9's sleeve like shown above, then push gently the removal tool upwards until you hear a clicking sound, now the top section is detached from the P9, do this on both sides of the P9 unit



This picture above shows the top section detached from the P9, red circled is the clip on the P9 which holds the top section on the P9 body.

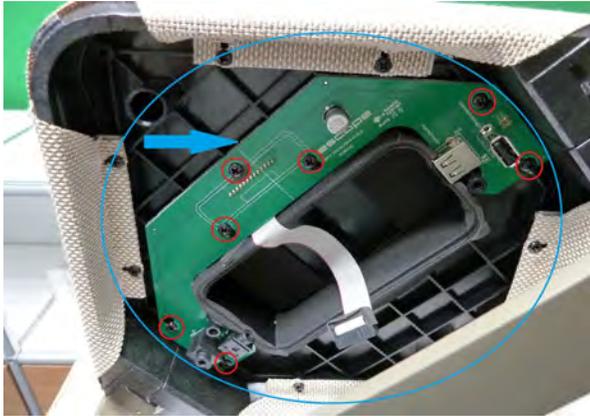


This picture shows the clip on the top section which clips on the clip from the P9 body. This clip has to be handled with care as it could break off



This picture shows the top section removed from the P9 body and so exposing the AUX board in the red circle

4 i) Removal AUX board



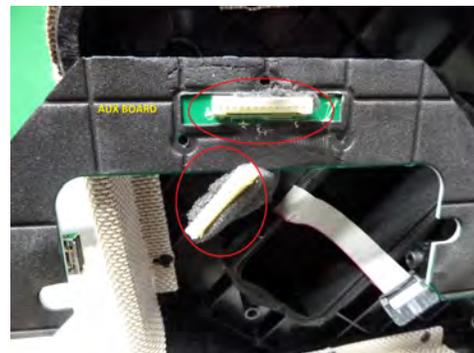
Remove the seven (7) screws (red circles) to lift up gently the AUX board (blue circle)



Aux board lifted from its placement exposing the 13-pin cable in the red circle



13-pin connector on AUX board



13-pin connector disconnected, the AUX board can be removed now

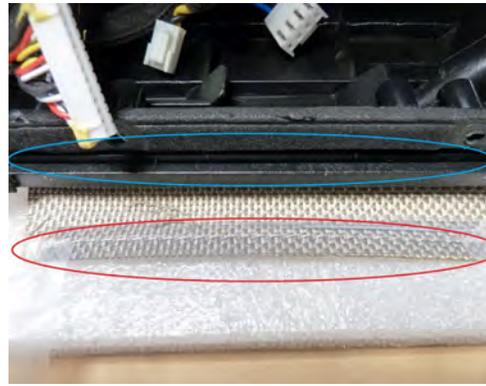
## 5. Removal and replacing the sleeve



Remove the eight (8) screws  
(red circles shown above)  
to release the sleeve on the top section



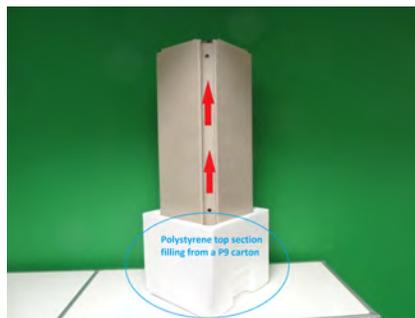
On the bottom side of the P9 unit you have to  
release/pull out gently the sleeve ends from  
their implacement



In this picture you see such a sleeve end been  
pulled out. The sleeve's end (red circle) is  
plasticized, this way it can easily be re-  
positioned in it's implacement (blue circle)  
upon reinstalling the sleeve



Make sure the sleeves ends (blue  
circles) at the top section side are  
detached from the P9 unit, like in the  
red circle



Turn the P9 unit upside down in a  
polystyrene filling from the P9's  
carton, now you can gently pull  
the sleeve upwards to remove it  
from the P9 unit



Upon replacing the sleeve back on the  
P9 unit make sure the holes in the  
sleeve fit exactly over the holes on the  
P9

## 6. Removal and replacing the subwoofer and medium speakers



When the sleeve is removed (as explained in section 5) from the P9-unit after removing the top and bottom section (as explained in section 4), you now can see the "naked" P9-unit with midranges and subwoofer as in the pictures above.



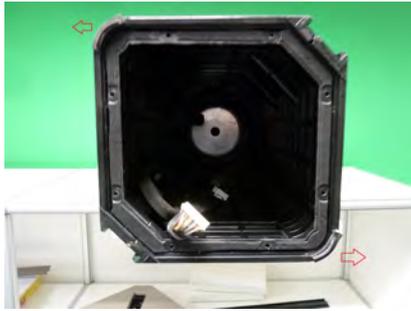
- 6 a) To replace any of the midranges, there is 1pc at each side of the P9-unit, you need to unscrew the 4 screws circled in red on the picture on the left. Once released from the 4 screws you can detach the midrange by disconnecting the 2 cables from the midrange and replaced if necessary.



- 6 b) To replace the subwoofer you need to open the P9-units' casing and unscrew 6 screws circled in red on the 2 sides nearest to the trim implacement as shown on the picture on the left. The upper screw is hexagonal screw to be unscrewed with an Allen key (hexagonal key). The 5 screws under the hexagonal screw are 5 Philips headed screws who also have to be unscrewed.

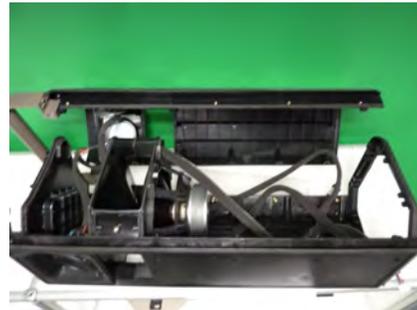


- 6 c) After you have done what's described in section 6 b, you have to unscrew 4 more screws on the 4 sides of the casing just beneath the subwoofer as circled in red on the picture on the left.



6 d) After you have unscrewed all the screws as explained in sections 6 b and 6 c, you have to pull the 2 pcs of the casing (as shown on the picture on the left) in opposite directions as they will come apart.

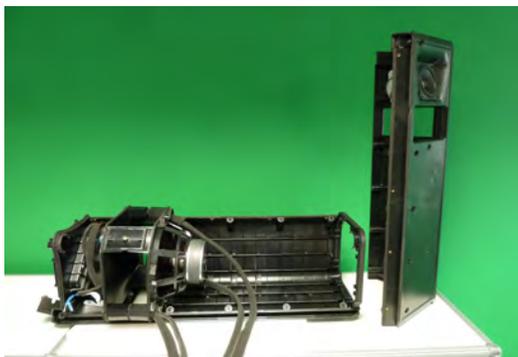
\* Make also sure you've unscrewed and removed all the screws from the AUX-board (pcb) in the top section, otherwise the 2 pcs of the casing will not separate !



6 e) The 2 pictures shown above are the parts apart from eachother . Only the 4 cables from the 2 midranges are still connected and so you have to proceed with caution. (picture here below)



6 f) Disconnect the 2 midranges from their cables (circled in red) and now you can separate the 2 parts from eachother as shown in the picture below on the left.





6 g) Now you pull out the subwoofer frame out of the P9-units' frame like on the picture on the left.



6 h) Unscrew the 2 screws circled in red from the bottom side of the woofer.



6 i) There are still 2 screws left to unscrew before you take out the woofer and replace it. There is 1 screw inside each of these 2 tubes you've got to unscrew. (also see picture here below)





6 j) Once you've completed the steps 6 h) and 6 i), you can pull the woofer gently but sturdy in the opposite direction from the other part. The woofer will slide along side the cable until the so you can release it and replaced it with another woofer.

To reassemble the P9-unit you need to proceed with all the previous so you or your customer can again enjoy listening to his beloved P9 !

escape™

a journey through sound

