

ZDSKL1 Land Rover Defender L663 2-Way Speaker Kit Fitting Guide

Tools required: A selection of trim removal tools. Torx bits/drivers: TX15, TX25 & TX30. Stanley knife.

Tweeter Install

Remove the tweeters from their packaging and remove them from the housings as supplied in the box. Rotate the plastic base from the outer 'shell' to release the tweeter. The original 2-piece plastic tweeter housing and spacers etc supplied within the tweeter packaging are not used in the L663 Defender install so can be discarded.

Use the Defender specific 3D printed 2-piece housings found in the Defender supplementary fitting kit packaging.



Not Required. Discard.

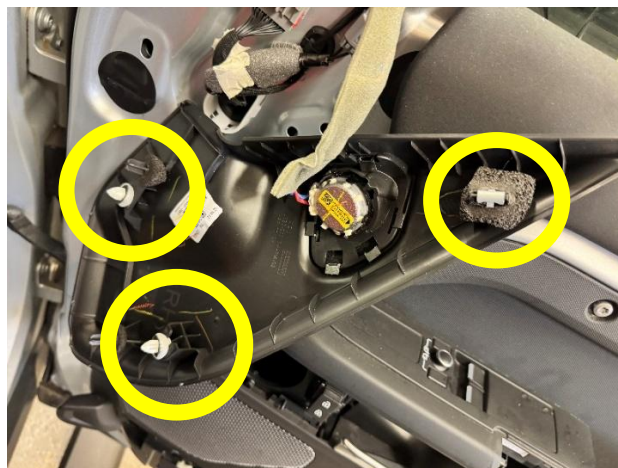
Use 3d Printed Housing Instead

The tweeter fits within into the Defender adaptor housing as per the pics below. Thread the wires through the retaining ring and snap the retaining ring into place at the back of the housing taking care to align the three locating tabs.

Note the 3 x slotted grooves on the outside of the housing (RH pic). These 3x slots correspond with 3x tabs on the tweeter trim panel and are used to locate the tweeter into the trim panel.



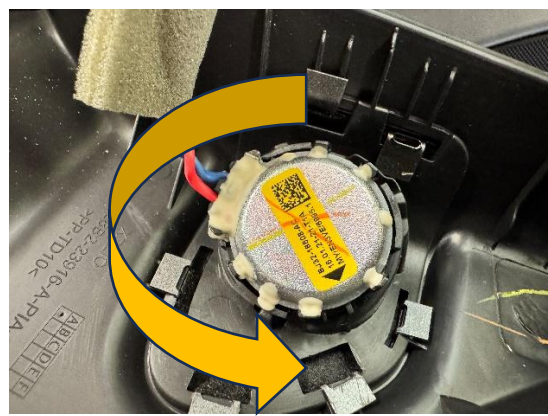
Pic below illustrates where the 3x trim clips are on the back of the (RH) upper door trim that secure it to the door.



Remove the trim from the door by using a trim tool.



Rotate the tweeter anti-clockwise to release it.



Disconnect the tweeter connector.



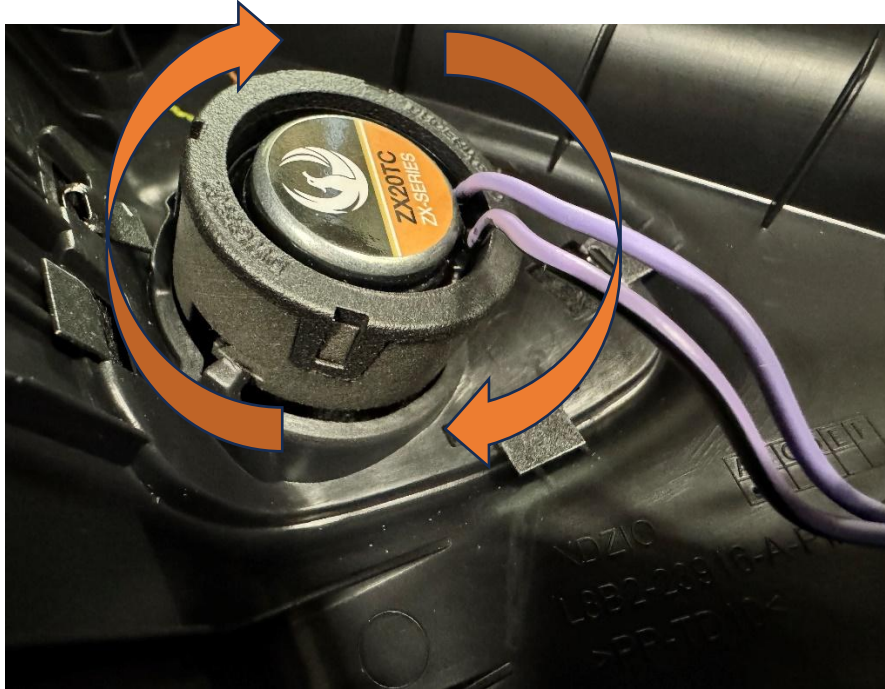
Remove the plastic retainer clip.



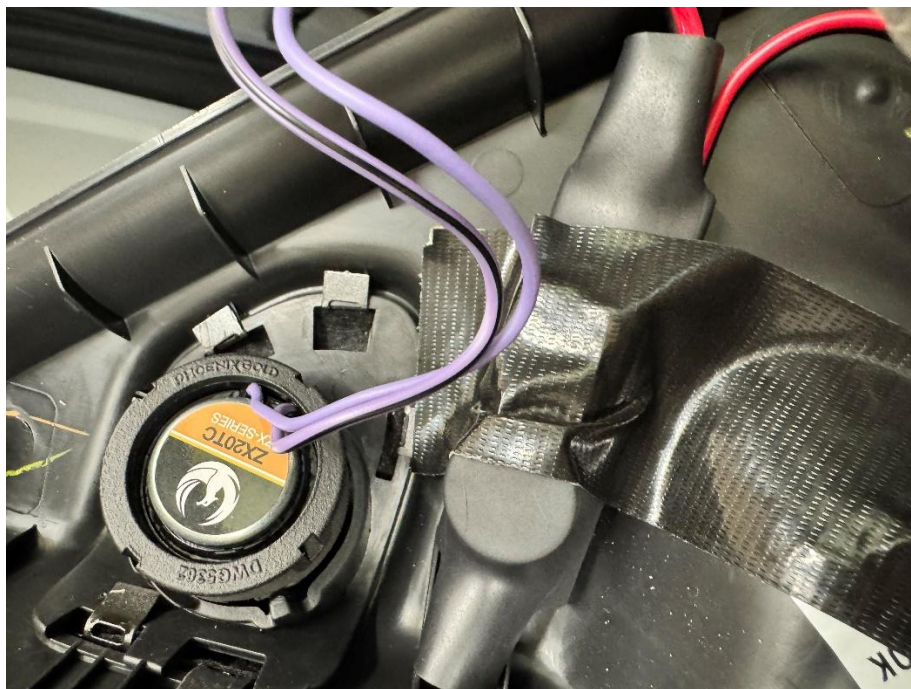
Connect the ZZF-HP5000-6 filter harness to the tweeter wiring and then connect the short adaptor harness into the factory tweeter speaker connector.



Locate the 3x prongs on the back of the trim panel with the 3x slotted grooves on the tweeter housing. Rotate the tweeter housing clockwise to lock into place. A squirt of WD40 will help the parts slide together.



There is a lot of wire to pack behind the trim before you refit the trim but it will all go in there. This is the hardest/fiddly part of the entire install. Take care not to trap the wires on the trim clips. If you have the correct electrical connector/terminal tools it is possible to shorten the wires lengths to create more space. Use gaffer tape to secure the filter to the back of the plastic trim to prevent it from rattling loose behind the plastic trim.

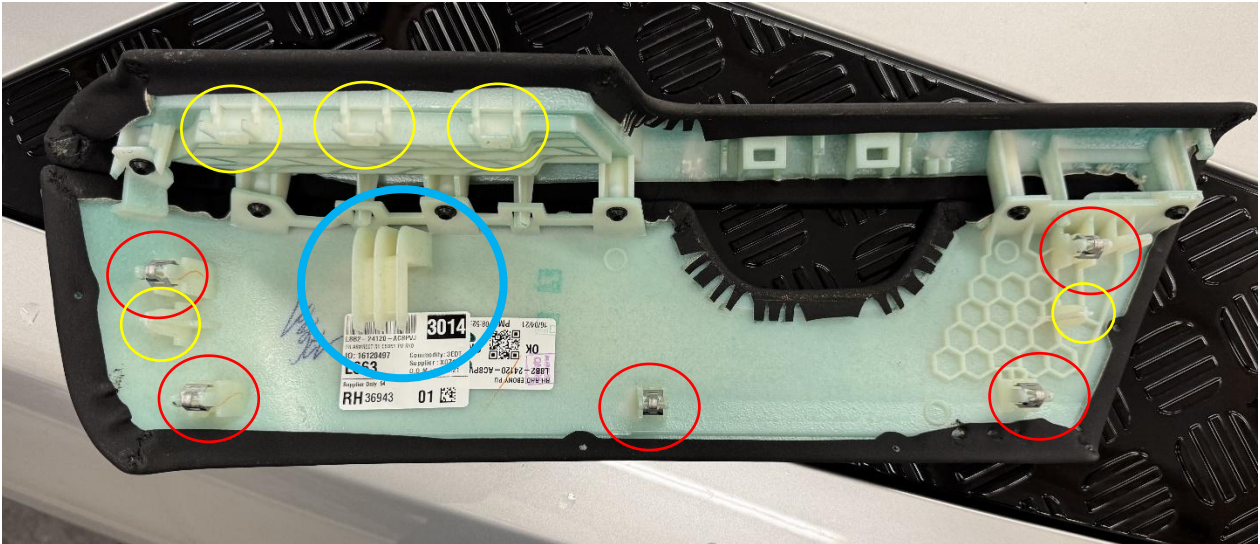


Refit the corner trim to the door.

Door Speaker Install

Removing the door panel trim will require a trim removal tool and Torx TX30 & TX15 drivers. You may break/lose some of the clips. Don't worry too much about this. There are lots of different clips hold each panel in place so a couple of missing fasteners won't make any difference! Replacements are available to buy from Land Rover.

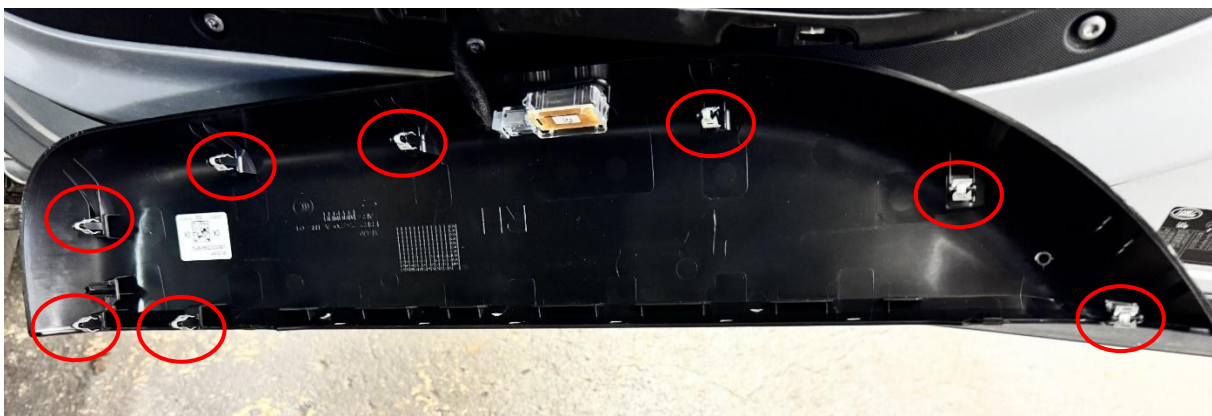
Pic below illustrates the reverse side of the (RH) armrest trim. Fasteners circled in red are trim spring clips. Yellow circles indicate a locating peg. Note the large hook shaped moulding highlighted in blue. When you remove the armrest 'roll' the armrest up towards the window to release this hook. Likewise, when refitting you'll need to locate this hook before securing the armrest.



Work along the bottom of the armrest first levering outwards to release the three lower clips. Once you feel the trim start to pop out of its clips, grab the lower edge and pull on the armrest rolling it upwards towards the window.



Pic below shows the (RH) door pocket and location of its trim clip fasteners.



Start at the front edge across the top of the door pocket to open up a gap to release it from its clips.

Now work across the lower edge. When you've created sufficient room to get your fingers in the gaps you can pull on the pocket release it. Disconnect the puddle-lamp from the bottom of the door pocket.



The front edge of the door lock surround hooks into place so gently prise the trim away from the panel at its rearmost edge. This trim piece isn't a tight fit so will come away easily once you opened up the back edge.

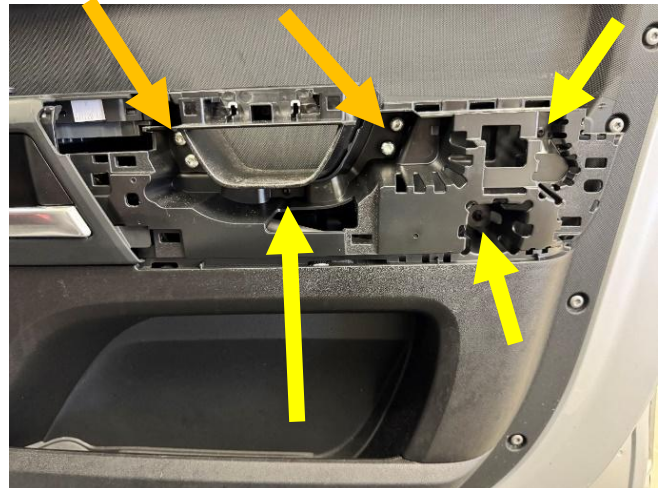
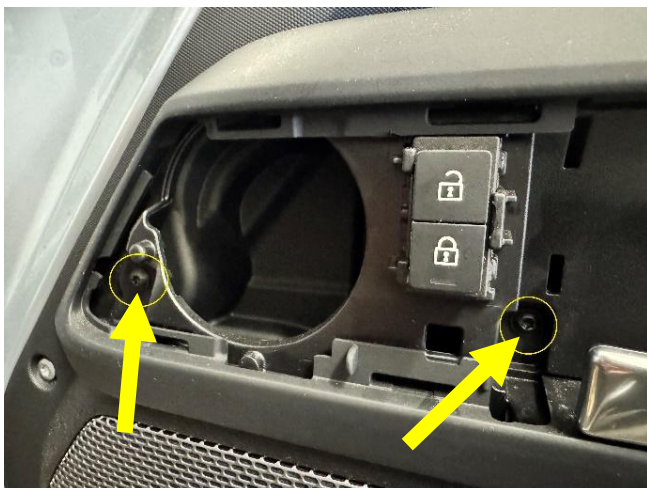


With the 3 x trim pieces removed this will reveal the outer door trim panel assembly that needs to be removed in order to access the door speaker that is located directly behind it on the inner door trim panel.

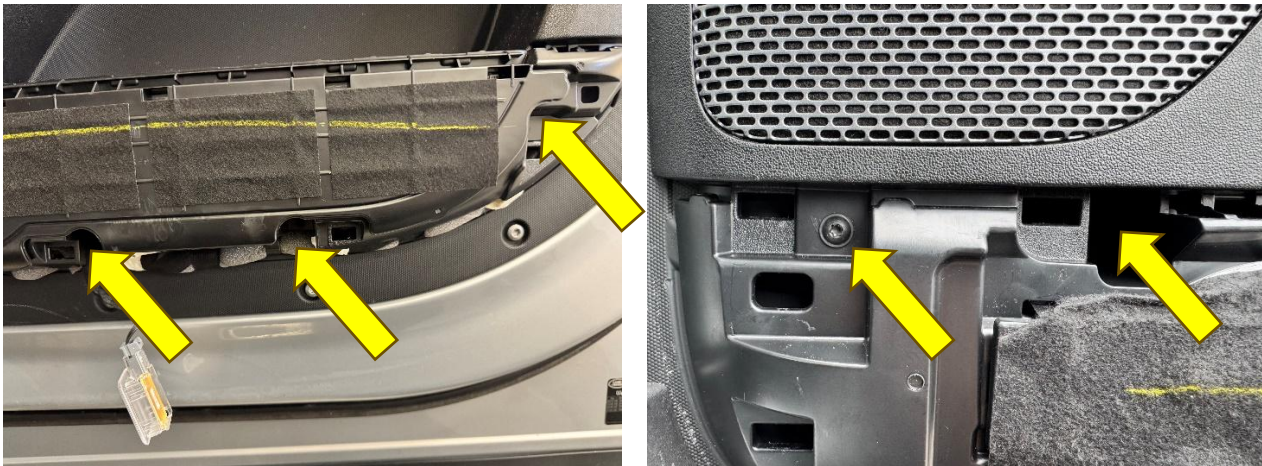
There is a total of 14x Torx headed fasteners that secure the outer panel trim assembly to the inner trim.

Remove the 10x small black (TX15) fasteners arrowed in yellow. 5x across the top half. 5x across the bottom half.

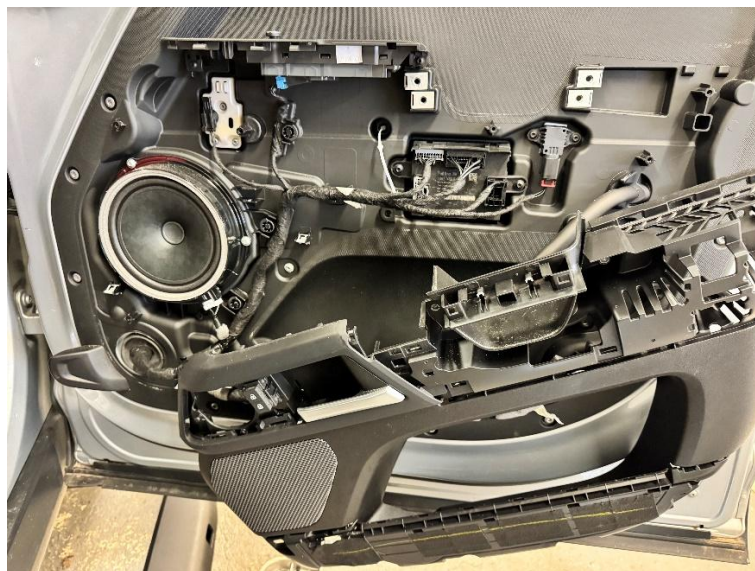
Remove the 4x large silver (TX30) fasteners arrowed in orange.



The fixings on the lower half are more tucked away but grab a torch and you'll find them.



When all 14 fasteners have been removed, gently pull on one the edge of the outer trim panel and you'll feel it unclip and come away from the inner door trim panel to reveal the large speaker housing. The door outer trim can hang there while you swap the speakers.



To remove the speaker, undo the 3 x speaker fixings (TX25). The speaker is located on a pair of dowels so it may need a gentle wiggle to remove it from the door. Squeeze the connector to release it from the speaker.



The speaker grilles, mounting rings and short connector harnesses supplied within the speaker box (pictured below) are not required in the Defender L663 install so can be set aside.



Not Required. Discard

Assemble the Phoenix Gold ZX speaker on the new stepped adaptor supplied in the Defender specific supplementary kit. Ignore the 'Top' marking on the adaptor. The locating pegs on the new adaptor will align with the corresponding speaker locating holes in the Defender door but 'Top' won't be at the top. Connect the ZZR-LP4000 filter to the back of the speaker.



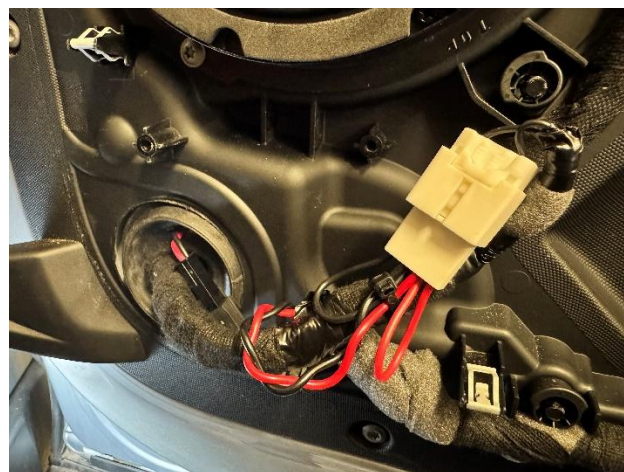
Fasten the new speaker into the door reusing the original 3x TX25 fixings.



You'll notice the Phoenix Gold ZX speakers don't have an external connector like the OE speaker. In order to route the wiring from the back of the new speaker to the OE speaker connector, make a small split with a sharp knife in the large rubber grommet that carries the door harness. It only needs to be just large enough to allow the small black connector on the filter harness to pass through it. If you have the correct electrical connector/terminal tools you could remove the speaker connector and pass the wires through the grommet alongside the main harness and reattach the connector.



Connect the short speaker harness from the filter to the large OE speaker connector. Secure any loose wire with electrical tape or cable ties. Now you're all set and ready to reassemble the door trim back onto the door.



Important! When reattaching the outer door trim panel make sure the white plastic cable retainer for the internal door-pull mechanism is pushed fully home into its locating slot on the back of the trim. Otherwise, you'll reassemble the door trim only to discover the internal door handle won't open the door and you'll be stripping everything apart again!

