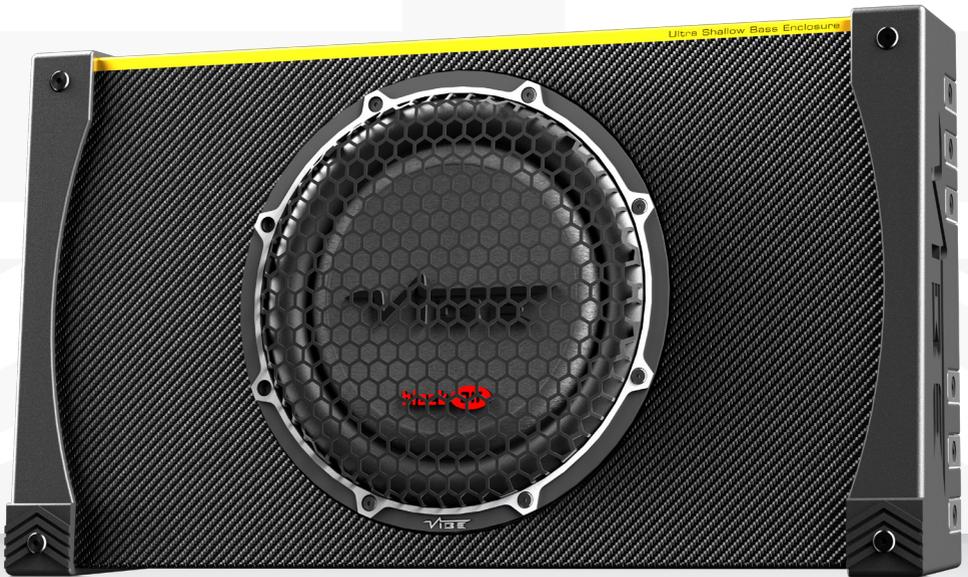




British Audio



**BAMIT12-V4 JEEP  
INSTALLATION KIT**

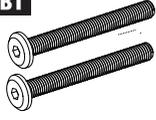
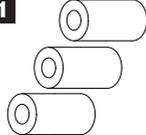
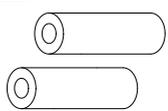
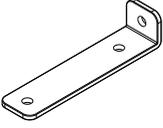
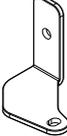
- For Wrangler JK / JL



USER MANUAL

## JL MOUNTING HARDWARE

NOTE: Hardware images not to scale, Additional hardware has been provided in the event it is required.

<b>B1</b> 	<b>L1</b> 	<b>S1</b> 	<b>S3</b> 
M6 FLAT HEAD BOLT (2) 60mm / 2.36in Length	M6 FLAT HEAD BOLT (3) 50mm / 1.97in Length	SPACER - 13mm Diameter (3) 27mm / 1.06in Length	SPACER - 13mm Diameter (2) 45mm / 1.77in Length
			
JL Bracket 1 x 1	JL Bracket 3 x 1	Mounting bracket x 1	

NOTE: Hardware images not to scale, There will be hardware left over depending on the installation

## JL RECOMMENDED TOOLS

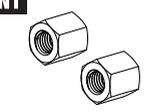
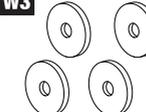
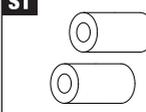
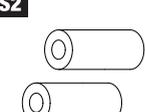
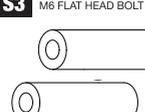
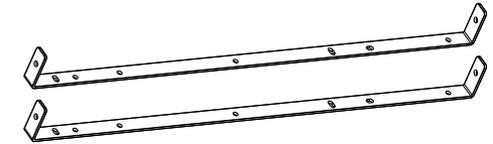
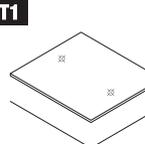
#2 Philips Screwdriver  
 4mm Allen Wrench  
 5mm Allen Wrench  
 Nylon Panel Tool  
 10mm Socket  
 Ratchet  
 Socket Extension  
 Torx T40

Pilot Hole Drill Bit  
 Drill  
 Wire Strippers

13mm Drill Bit (Included)

## JK MOUNTING HARDWARE

NOTE: Hardware images not to scale. Additional hardware has been provided in the event it is required.

<b>B1</b> 	<b>B2</b> 	<b>L1</b> 	<b>L2</b> 	<b>W4</b> 
M6 FLAT HEAD BOLT (2) 60mm / 2.36in Length	M6 FLAT HEAD BOLT (2) 45mm / 2.36in Length	M6 FLAT HEAD BOLT (2) 50mm / 1.97in Length	M6 FLAT HEAD BOLT (4) 25mm / 1.97in Length	M6 TOOTH LOCK WASHER (2)
<b>N1</b> 	<b>W2</b> 	<b>W3</b> 	<b>S1</b> 	<b>R1</b> 
M8 HEX HEAD NUT (2)	M6 METAL WASHER (4) 18mm / .71in Diameter	M6 RUBBER WASHERS (4) 18mm / .71in Diameter	SPACER - 13mm Diameter (2) 27mm / 1.06in Length	M6 RIVET NUT INSERTS (5)
<b>S2</b> 	<b>S3</b> M6 FLAT HEAD BOLT (14) 			
SPACER - 13mm Diameter (2) 30mm / 1.18in Length	SPACER - 13mm Diameter (2) 45mm / 1.77in Length	Mounting brackets x 2		
<b>T1</b> 	<b>F1</b> 			
Template JK hole positions	SELF ADHESIVE FOAM (1) 850mm x 100mm x 5mm			

## JK RECOMMENDED TOOLS

#2 Phillips Screwdriver  
5mm Allen Wrench  
13mm Wrench  
10mm Socket  
Ratchet  
Socket Extension

Rivet Nut Setter (Optional)  
Drill  
Center Punch  
Hammer  
Tape  
Wire Strippers

9mm Drill Bit (Included)

## Installation Notes

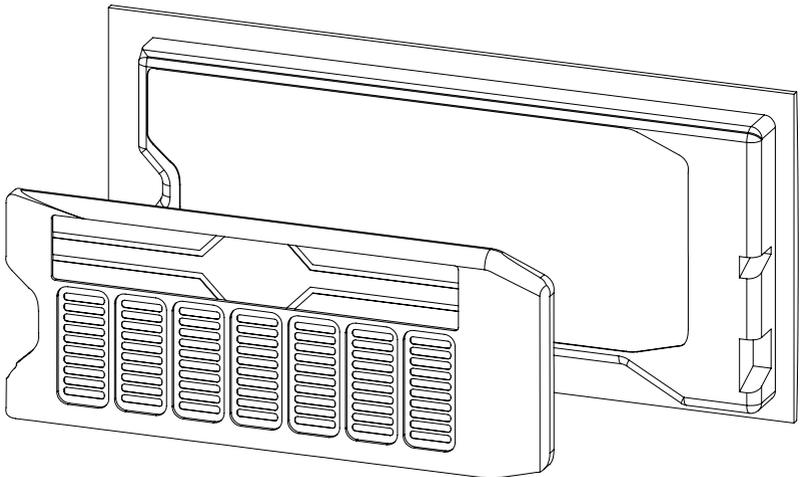
The BAMIT12-V4 is designed to mount to both Wrangler JK and Wrangler JL tailgates. There are two different hardware packs included and this guide covers both types of mounting.

- For JK/JKU models equipped with a factory subwoofer, only compatible if removed.
- For JL models equipped with a Cargo Trail Rail, the Trail Rail will no longer be accessible with the speaker enclosure installed.
- For JL/JLU models equipped with a factory subwoofer, unplugging the factory subwoofer is recommended.
- Some installation steps are more easily completed with a second person.
- Running the speaker wire is required before the enclosure is mounted.

### JL installation (Without TRAIL RAIL)

Step 1 :

Remove tailgate trim panel using nylon panel tool or similar to avoid damage to the trim panel.

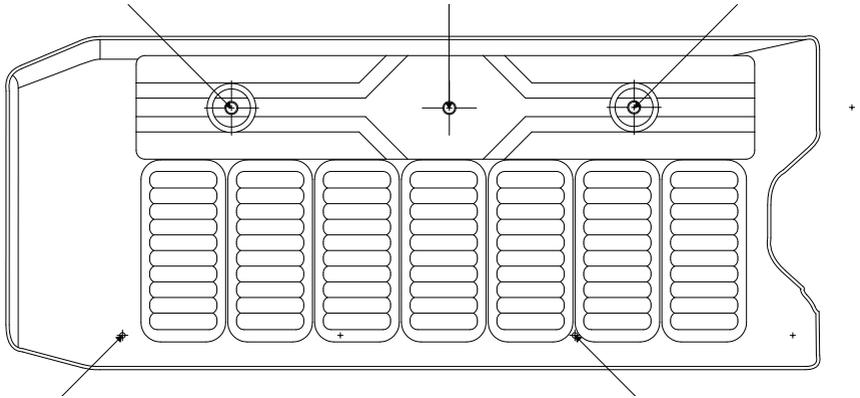


**Step 2 :**

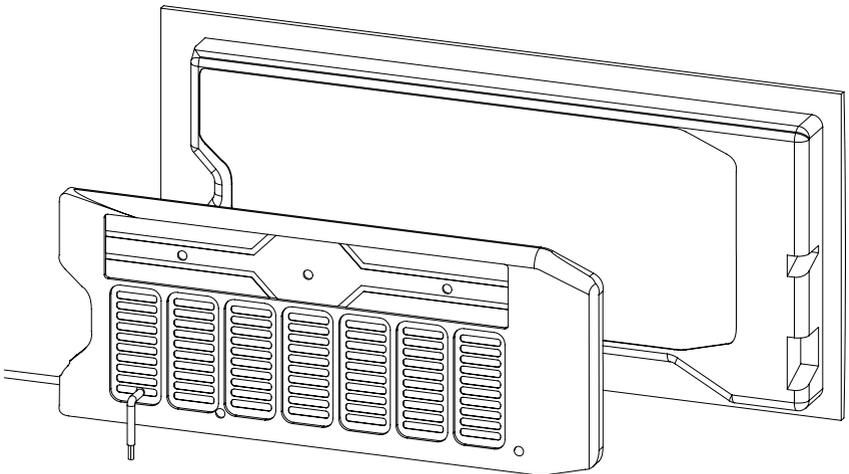
Place the tailgate trim panel face down on a soft surface to avoid damage to the panel, drill 5 x 13mm holes at the locations highlighted by the arrows.

The locations are molded into the tailgate trim panel plastic and you must drill directly in the centre of these markings.

Note : The top centre hole is in the centre of the panel, between the outer 2 circles.

**Step 3 :**

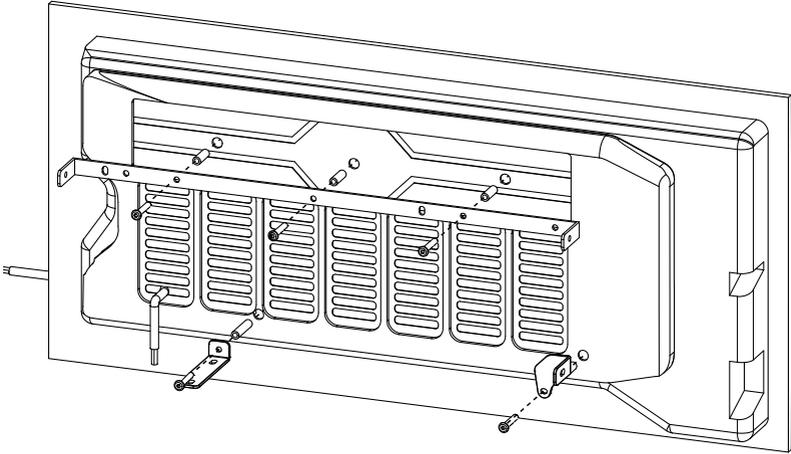
Install speaker wire through the vent into the door trim panel and into the tailgate following the factory wiring loom..



Step 4 :

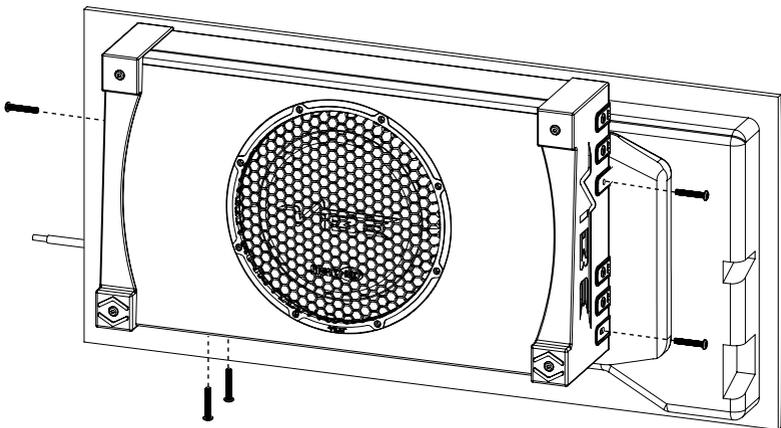
Install the 2 x 30mm spacers in the top two hole locations with L1 bolts and the 2 x 45mm spacers in the bottom 2 holes with B1 bolts.

Bolt through the long bracket for the top 2 holes, on the bottom, bolt through bracket 1 and bracket 3 as detailed below.



Step 5 :

Bolt the BAMIT12-V4 into the brackets using the bolts already fitted to the enclosure as per the diagram below.

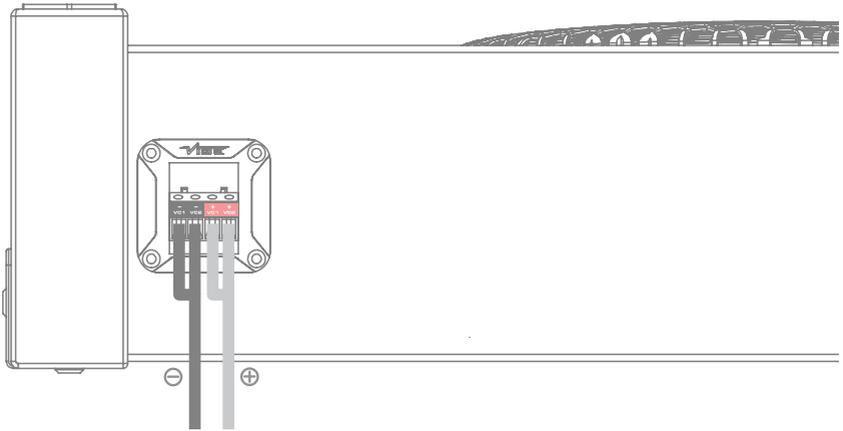


Step 6 :

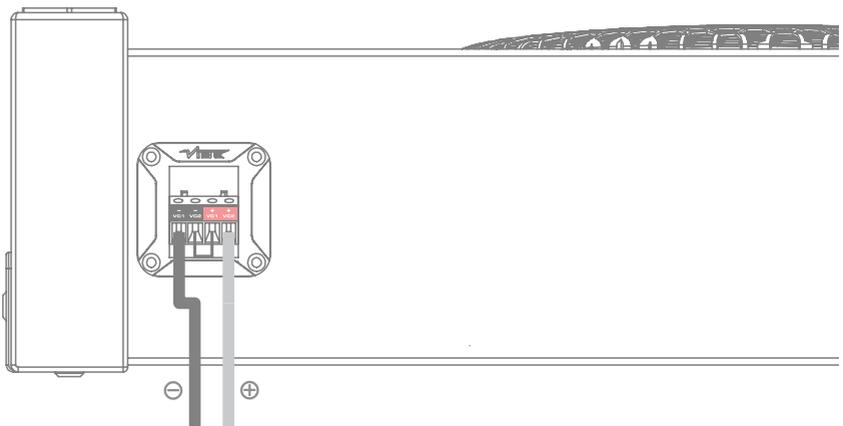
Connect the previously run speaker cable the the BAMIT12-V4 terminal.

The BAMIT12-V4 is fitted with a dual 2 $\Omega$  subwoofer and can be configured for either 4 $\Omega$  or 1 $\Omega$  mono impedance at the amplifier.

### Parallel (1 $\Omega$ Impedance)



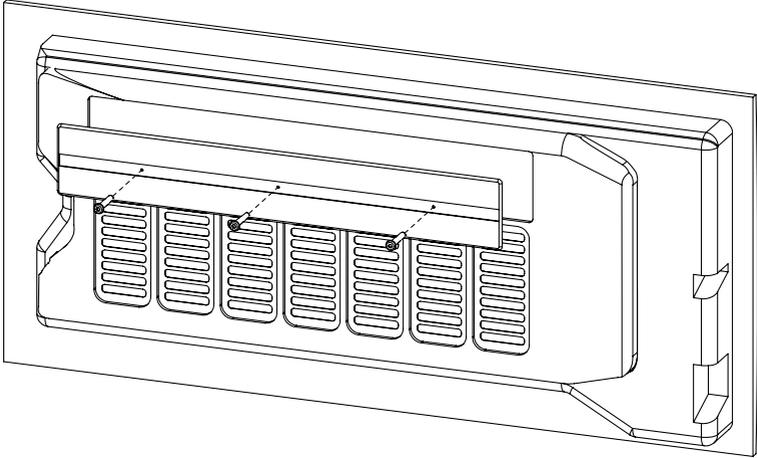
### Series (4 $\Omega$ Impedance)



## JL installation (With TRAIL RAIL)

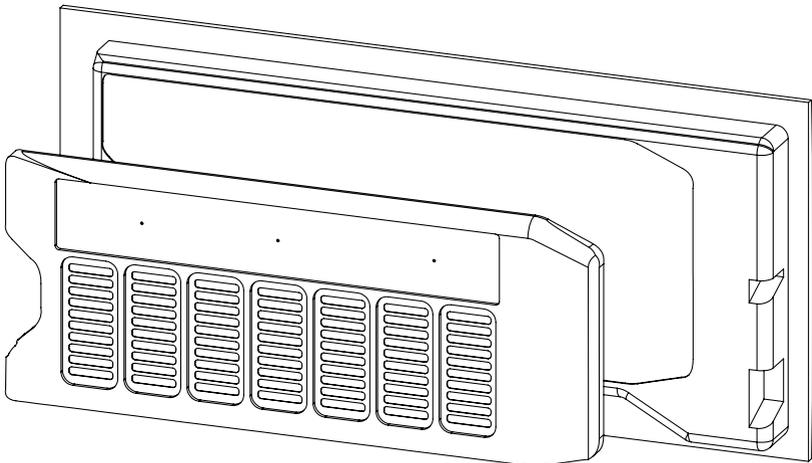
Step 1 :

Remove the Trail Rail by removing the 3 x Torx T40 screws from the Trail Rail.



Step 2 :

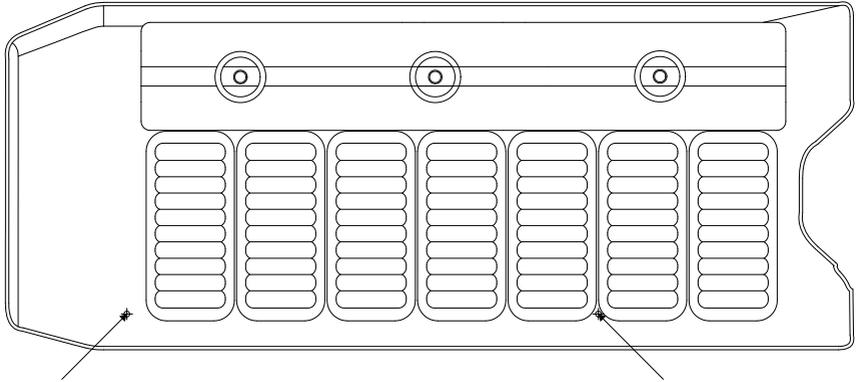
Remove tailgate trim panel using nylon panel tool or similar to avoid damage to the trim panel.



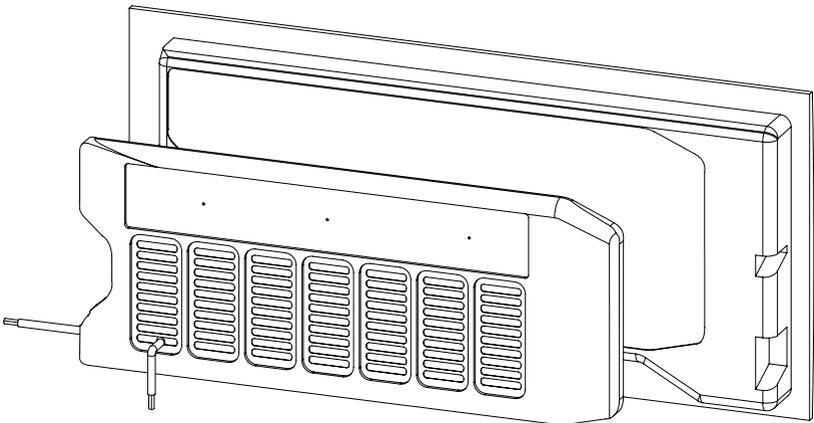
**Step 3 :**

Place the tailgate trim panel face down on a soft surface to avoid damage to the panel, drill 2 x 13mm holes at the locations highlighted by the arrows.

The locations are added into the tailgate trim panel plastic and you must drill directly in the centre of these markings.

**Step 4 :**

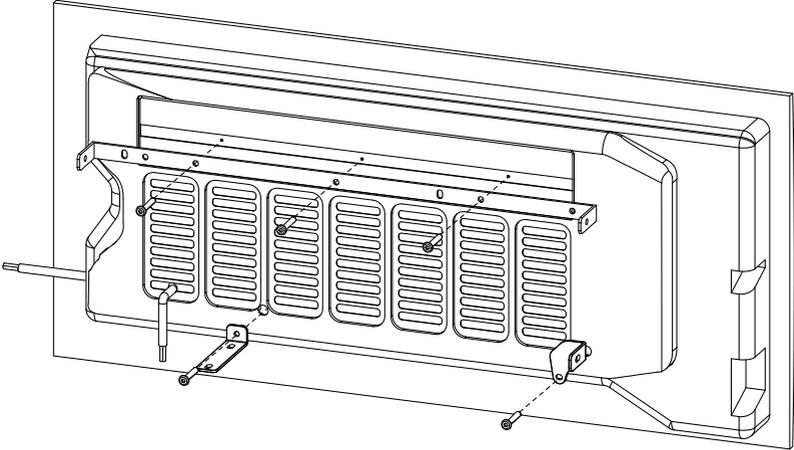
Install speaker wire through the vent in the door trim panel and into the tailgate following the factory wiring loom.



Step 5 :

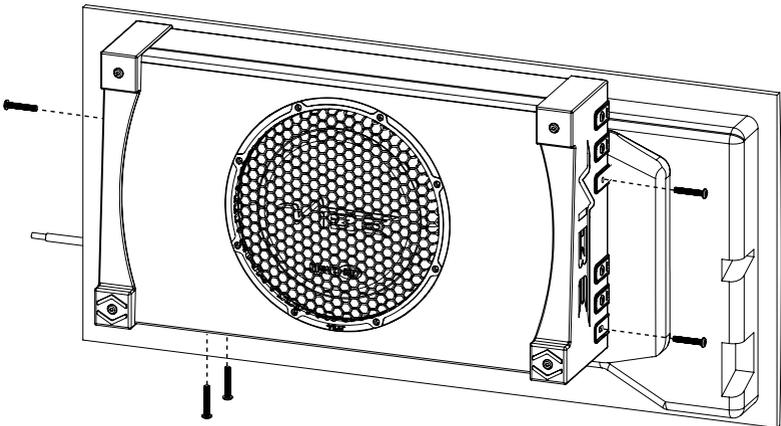
Install 3 x S1 27mm Spacers in the top hole locations and bolt through with the L1 bolts.  
Install 2 x S3 45mm Spacers in the bottom hole locations using the B2 bolts,

Bolt through the long bracket for the top 3 holes, on the bottom, bolt through bracket 1 and bracket 3 as detailed below.



Step 6 :

Bolt the BAMIT12-V4 into the brackets using the bolts already fitted to the enclosure as per the diagram below.

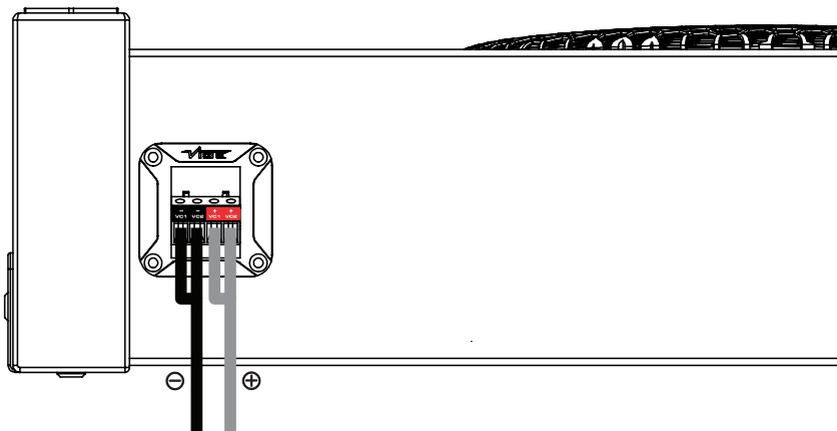


Step 7 :

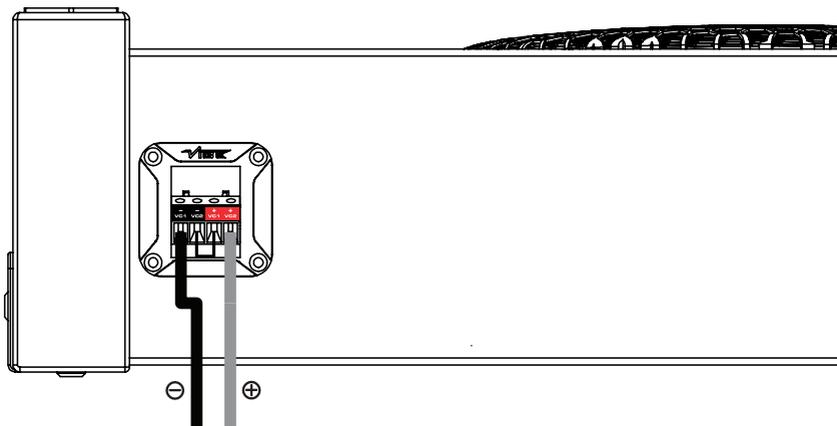
Connect the previously run speaker cable the the BAMIT12-V4 terminal.

The BAMIT12-V4 is fitted with a dual  $2\Omega$  subwoofer and can be configured for either  $4\Omega$  or  $1\Omega$  mono impedance at the amplifier.

### Parallel ( $1\Omega$ Impedance)



### Series ( $4\Omega$ Impedance)

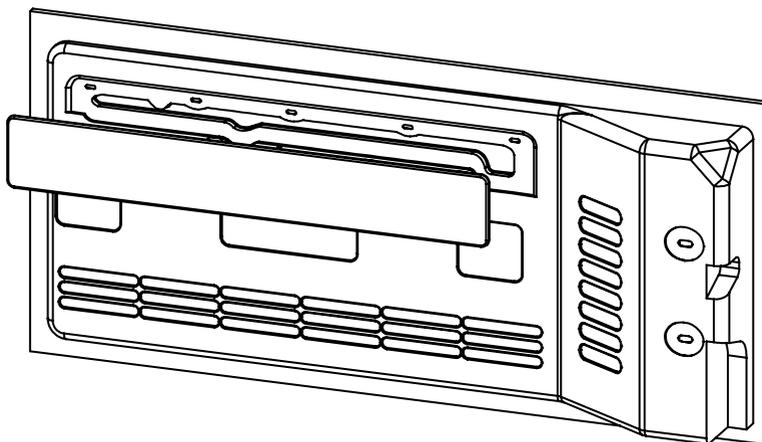


## JK installation

### Step 1 :

Remove tailgate trim panel using nylon panel tool or similar to avoid damage to the trim panel.

For best results start by starting along the bottom edge of the trim panel

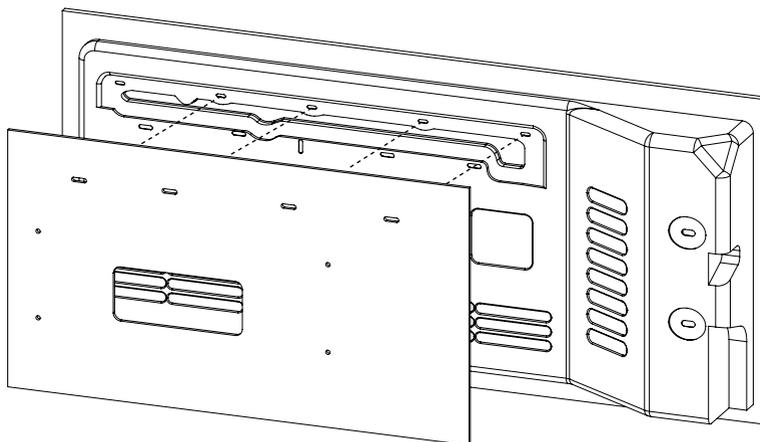


### Step 2 :

Align the supplied T1 template to the door being sure to align with the 4 clip holes on the door as referenced below.

Use tape to secure the template securely in place so that it does not move.

Note : The cutout in the centre of the template should align with the cutout in the door.

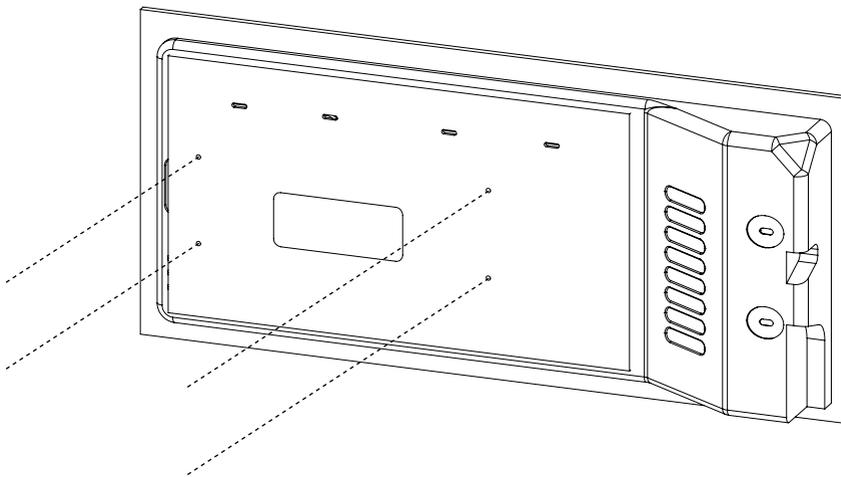


**Step 3 :**

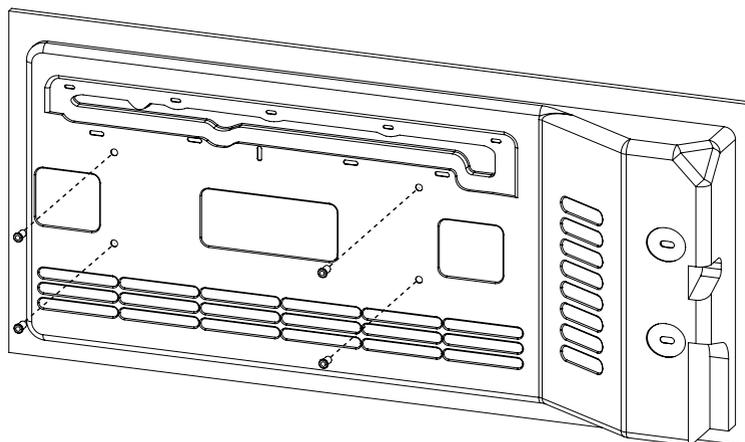
Use a center punch the mark four hole locations and remove the template.

**CAUTION:** To prevent the drill bit from making contact with the outer side of the tailgate, use a depth stop on the drill bit leaving only 12mm of the bit exposed.

Drill 9mm holes at the four marked locations.

**Step 4 :**

Insert the R1 rivet nuts and secure with a rivet nut setter ensuring they are fully fastened and tight in the mounting holes.



Please follow the directions below If a rivet nut setter is not available for each of the four holes.

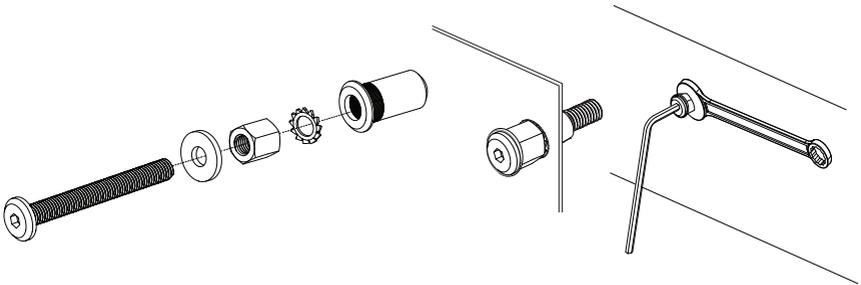
Insert R1 rivet into the hole, slide a W2 metal washer, an N1 spacer nut and a W4 tooth lock washer onto one of the B2 bolts. Hand thread the bolt into the rivet nut until it is hand tight then using a 14mm wrench to hold the spacer nut, start tightening the bolt with an M6 Allen wrench.

Ensure the the rivet nut remains fully inserted and flat against the panel surface while tightening. The wrench and spacer nut should be held in place and not rotated.

The rivet nut takes approximately 4 full turns to properly seat, the bolt will get harder to turn when the rivet nut is seated.

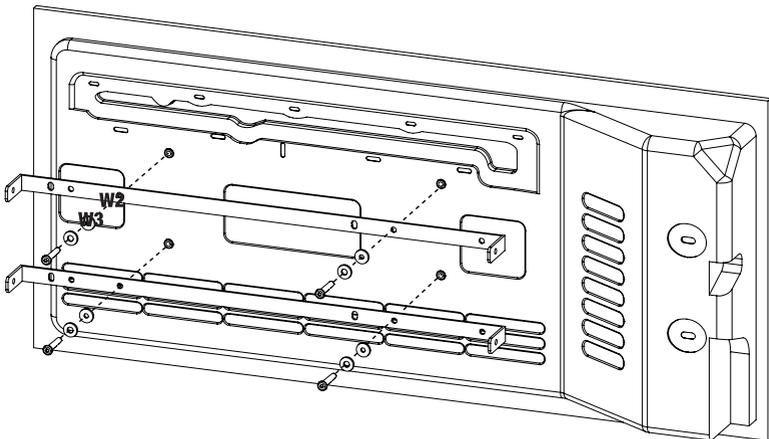
Once installed, loosen and remove the B2 bolt while continuing to hold the spacer nut in place with the wrench.

NOTE: After installing the first rivet nut, ensure the side of the spacer nut that was positioned against the tooth lock washer is the same for the remaining installations. There are two bolts, spacer nuts and washers provided in the event they are needed.



#### Step 5 :

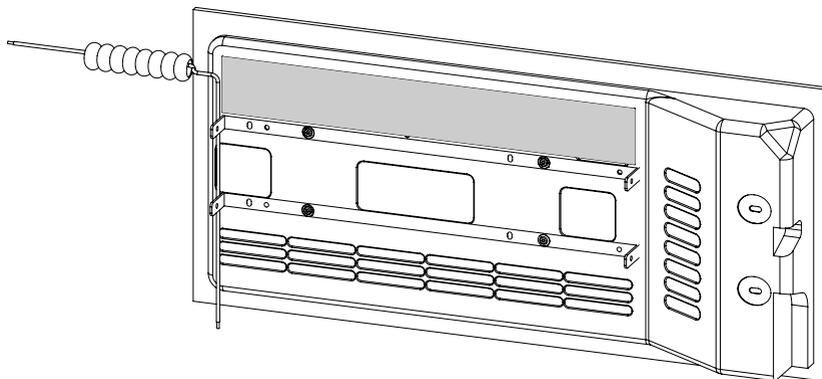
Attach the mounting brackets to the rivet nuts using B2 45mm bolts, W2 metal washer and W3 rubber washer.



Step 6 :

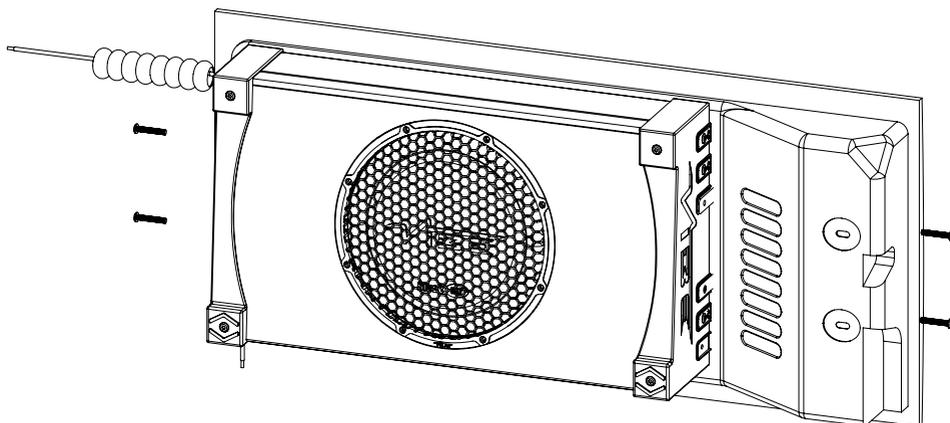
Install speaker wire through the vent in the door trim panel and into the tailgate following the factory wiring loom through the rubber boot.

Place the self adhesive foam over the factory wiring harness before installing the BAMIT12-V4 enclosure.



Step 7 :

Bolt the BAMIT12-V4 into the brackets using the bolts already fitted to the enclosure as per the diagram below.

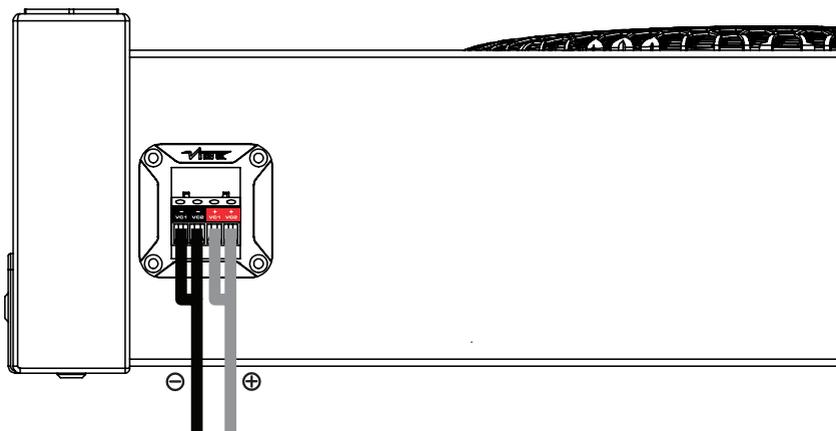


Step 8 :

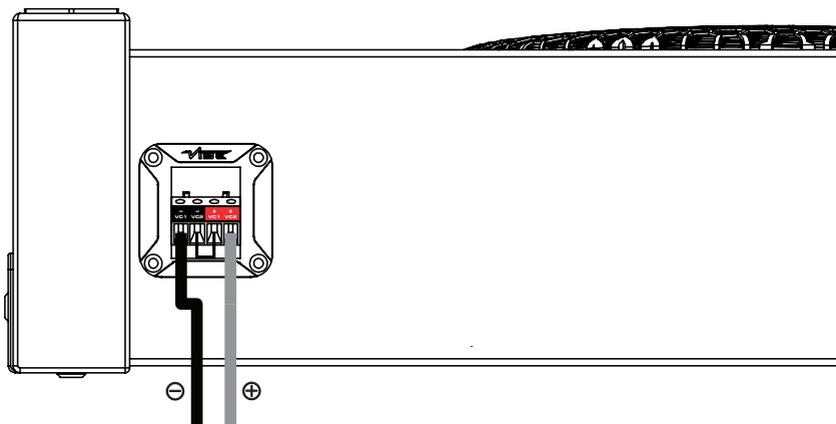
Connect the previously run speaker cable the the BAMIT12-V4 terminal.

The BAMIT12-V4 is fitted with a dual 2Ω subwoofer and can be configured for either 4Ω or 1Ω mono impedance at the amplifier.

### Parallel (1Ω Impedance)



### Series (4Ω Impedance)



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Notes :



WARNING : Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the state of California to cause CANCER.

Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

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