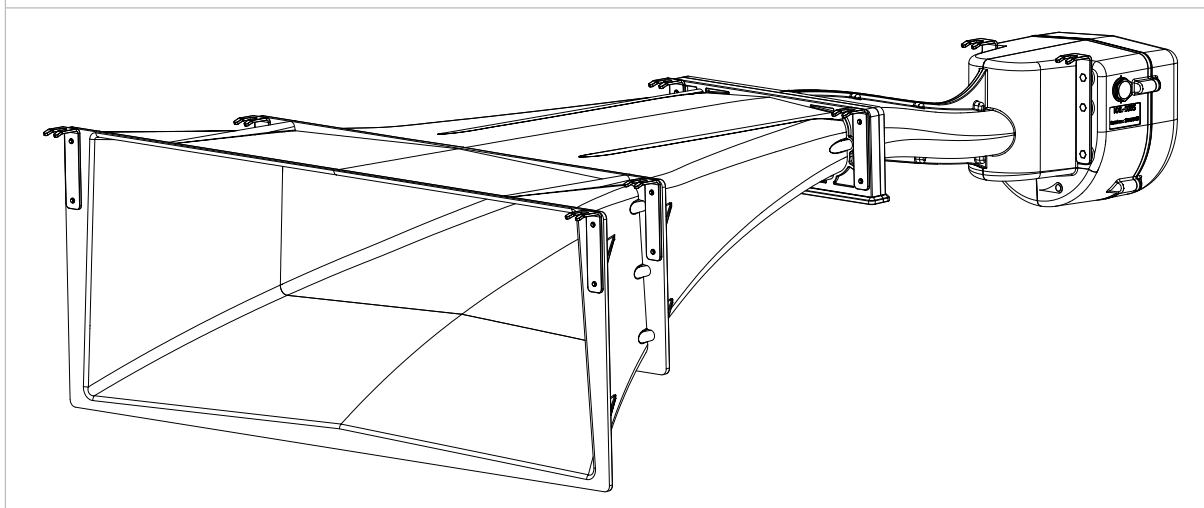


MANUAL

Product	NXL-100S NXL-100S-RH	Part numbers	0200201, 0200202, 0200203, 0200204, 0200205 and 0200206
Document version	1.0	Document status	Release
Notes	Full Height and Reduced Height (RH) product variants 0200201 = Standard with cable gland on left side (front view) 0200202 = RH variant as 0200201 0200203 = Optional Hirschmann CA 3 GD* on left side (front view) 0200204 = RH variant as 0200203 0200205 = Optional Hirschmann CA 3 GD on right side (front view) 0200206 = RH variant as 0200205		

FASTENER TORQUE VALUES

This document describes the recommended torque values for the fasteners of the NXL-100S and NXL-100S-RH advanced tunnel horn loudspeaker.

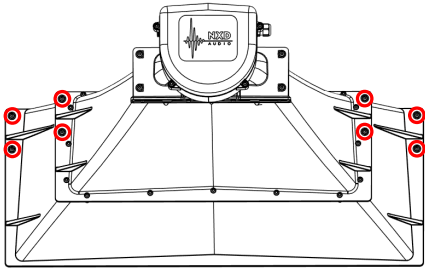
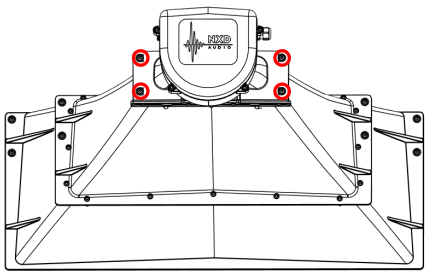
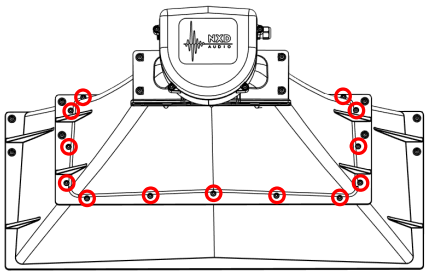


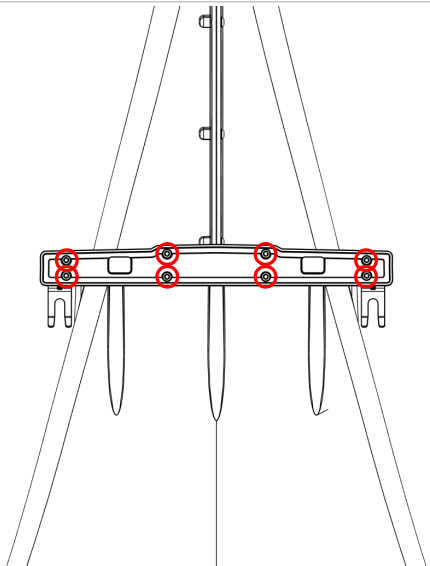
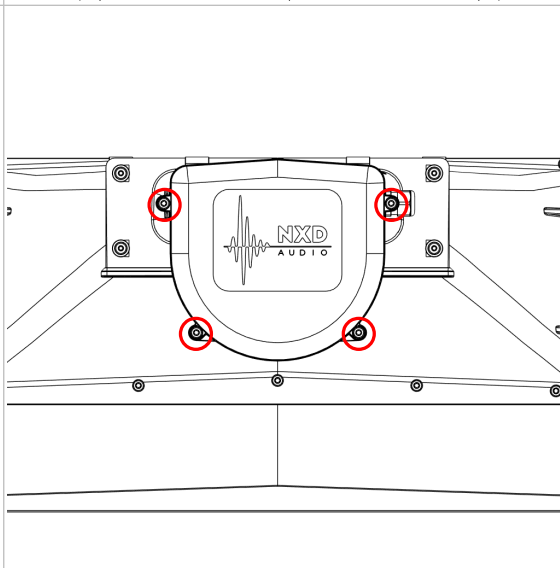
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* Product names such as Hirschmann CA 3 GD mentioned in this document are the property of their respective owners. The use of these names is solely for identification and reference purposes. NXD-Audio BV does not claim any ownership of the trademarked names mentioned.

EXTERNAL FASTENERS

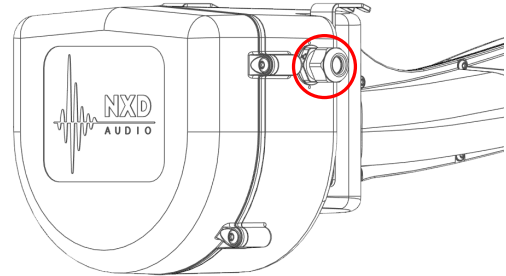
1.	<p>M5 x 12 T25 A4 ISO 7380 torx bolt + washer.</p> <p>Fasteners to mount the brackets that are located at the front.</p> <p>Torque 4 Nm.</p>	
2.	<p>M5 x 30 T25 A4 ISO 7380 torx bolt + washer.</p> <p>Fasteners to mount the brackets that are located in the middle.</p> <p>Torque 4 Nm.</p>	
3.	<p>M5 x 25 T25 A4 flange head torx screw.</p> <p>Screws to mount the front section to the mid section (NXL-100S only).</p> <p>Keep the speed below 500 rpm.</p> <p>Torque 4 Nm.</p>	

4.	<p>M4 x 25 T20 A4 flange head torx screw.</p> <p>Screws to mount the filter cover.</p> <p>Keep the speed below 500 rpm.</p> <p>Torque 2 Nm.</p>	
5.	<p>M5 x 25 T25 A4 flange head torx screw.</p> <p>Screws to mount the rear cover.</p> <p>Keep the speed below 500 rpm.</p> <p>Torque 3 Nm (initial mounting at factory is at 4 Nm).</p>	

WIRING

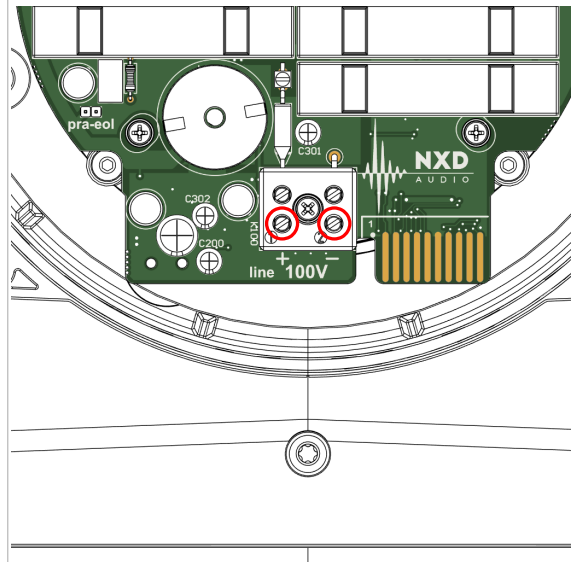
1. Gland tightening M24 nut.

Torque **4.5 Nm**.



2. Terminal block slotted head screws.

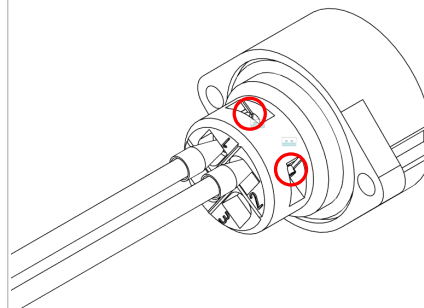
Torque **0.5 Nm**.

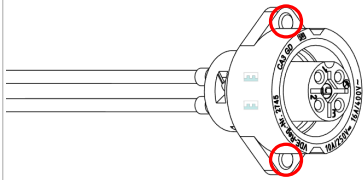


3. Hirschmann CA 3 GD wires.

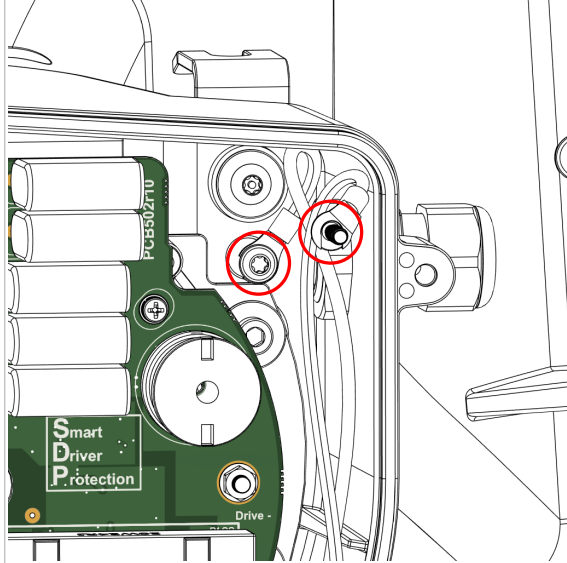
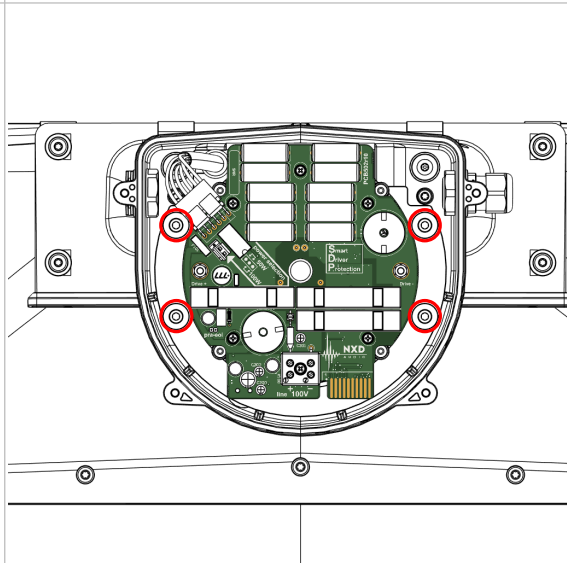

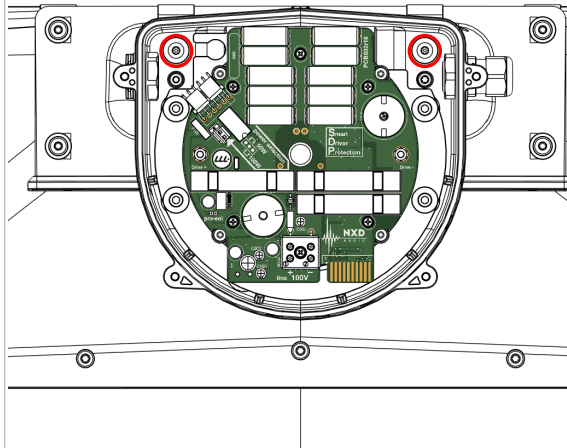
Only for product variants with Hirschmann CA 3 GD connector.

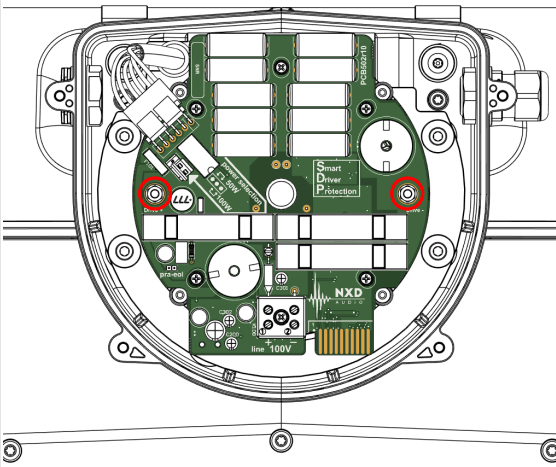
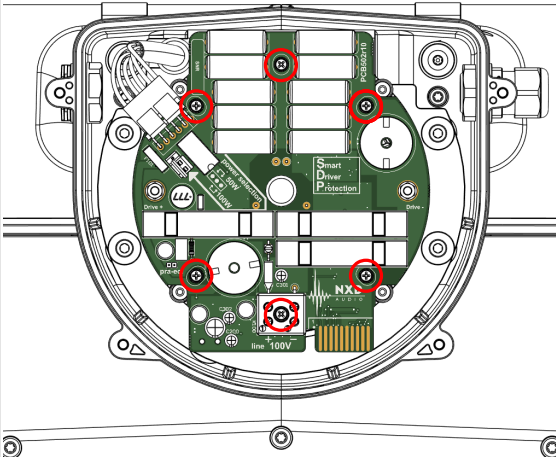
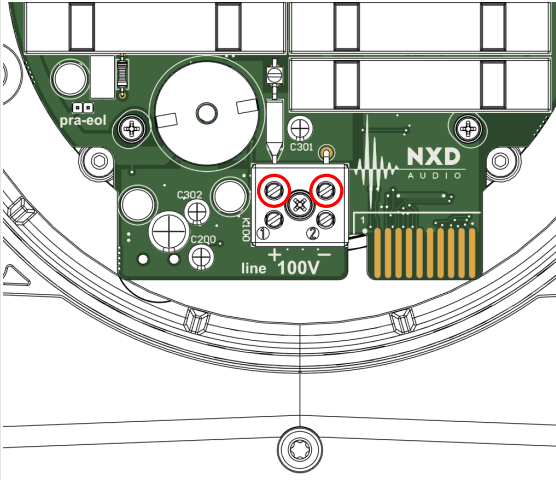
Torque **0.3..0.35 Nm**.

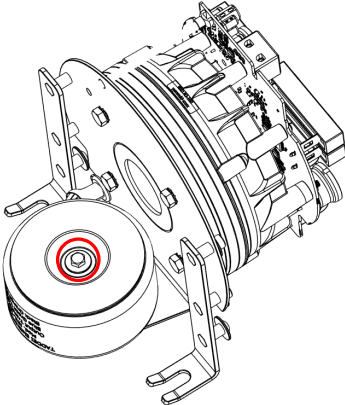
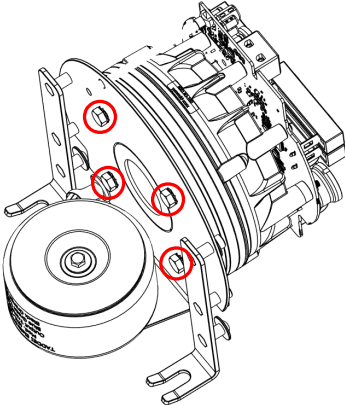


<p>4.</p>	<p>M3 x 14 A2 cross recessed raised cheese head screw ISO 7045 (H) + washer + nut.</p> <p>Hirschmann CA 3 GD connector mounting.</p> <p>Only for product variants with Hirschmann CA 3 GD connector.</p> <p>Torque 0.7 Nm.</p>	
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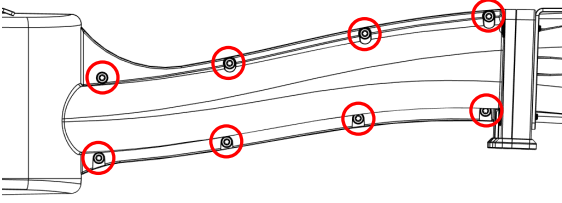
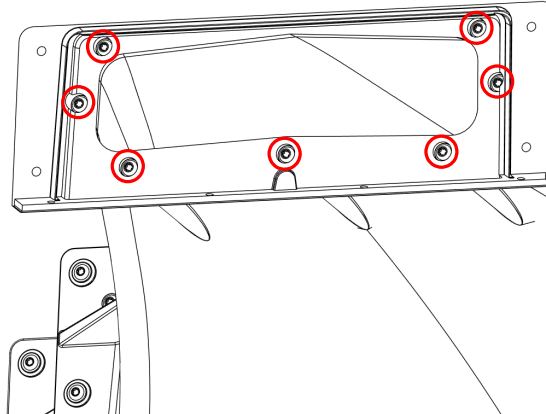
INTERNAL FASTENERS

<p>1.</p>	<p>M4 x 15 T20 A4 flange head torx screw.</p> <p>Screws to mount the retention strap for the rear cover (both sides).</p> <p>Keep the speed below 500 rpm.</p> <p>Torque 1.4 Nm.</p>	
<p>2.</p>	<p>M5 x 10 A2 DIN 912 hex socket head cap screw + washer.</p> <p>Fasteners to mount the driver/electronics subframe to the rear brackets and to the enclosure.</p> <p>Torque 4 Nm.</p>	
<p>3.</p>	<p>M5 x 10 T25 A2 torx button head screw with security pin + washer.</p> <p>Fasteners to mount the rear brackets to the enclosure.</p> <p>These fasteners should not be removed normally.</p> <p>Torque 4 Nm.</p>	<p> Do not remove</p> 

4.	<p>M4 DIN 934 brass nickel plated nut + washers.</p> <p>Fasteners for the compression driver terminals.</p> <p>Torque 0.9 Nm.</p>	
5.	<p>M3 x 8 and M3 x 20 A2 crossed pan head screw + washers.</p> <p>Fasteners for the PCB.</p> <p>Torque 0.6 Nm.</p>	
6.	<p>Terminal block slotted head screws.</p> <p>To connect the terminal block to the PCB component lead wires.</p> <p>Torque 0.4 Nm.</p>	

<p>7.</p>	<p>M5 x 35 A2 DIN 931 hex head bolt + washer.</p> <p>Fasteners to mount the transformer to the subframe bracket.</p> <p>Torque 3 Nm.</p>	
<p>8.</p>	<p>M6 x 10 A2 DIN 933 hex head bolt + washer.</p> <p>Fasteners to mount the compression driver to the subframe bracket.</p> <p>Torque 4 Nm.</p>	

NOT SERVICEABLE

<p>1.</p>	<p>M4 x 15 T20 A4 flange head torx screw.</p> <p>Screws for rear shell parts.</p> <p>Parts are glued and not serviceable.</p> <p>Keep the speed below 500 rpm.</p> <p>Torque 1.4 Nm.</p>	<div data-bbox="863 297 938 362" data-label="Image">  </div> <p>Not serviceable</p> 
<p>2.</p>	<p>M5 x 25 T25 A4 flange head torx screw.</p> <p>Screws to mount the filter baffle to the mid section.</p> <p>Parts are glued and not serviceable.</p> <p>Keep the speed below 500 rpm.</p> <p>Torque 4 Nm.</p>	

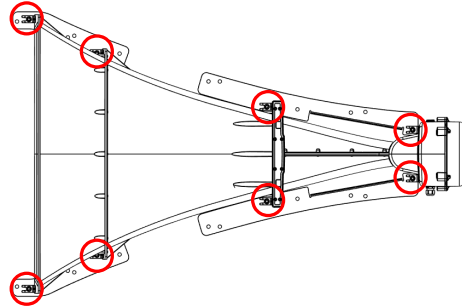
ACCESSORIES

1. M8 x 25 A4 cross recessed countersunk head screw DIN 965 (H) + washers + nut.

Fasteners to mount the *NXL-100S ABF compatible mounting plates set* to the mounting brackets.

Same torque value applies to the *NXL-100S-RH ABF compatible mounting plates set*.

Torque **20 Nm**.



DOCUMENT REVISION

1.0	27-01-2026	Start version.
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