THOR

# DEMONSTRATION STAND

# ASSEMBLY INSTRUCTIONS

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# GENERAL INFORMATION

THOR demonstration stand (hereinafter referred to as the demo stand) intended for reproduction sounds of THOR and imitation of the operation of the electronic exhaust system of the same name.

THOR demonstration stand is supplied partially disassembled.

> **ATTENTION!** The THOR electronic exhaust system is not included with the THOR demo stand.

To fully assemble the demo stand, the following components of the THOR electronic exhaust system are required:

- Column THOR ECHO with cable and M6 TORX 30 screws.
- THOR metal speaker with two clamps and cable.
- Electronic control unit THOR.







# SPECIFICATIONS

The stand has the following characteristics:

- dimensions: 45.2 mm x 3.60 mm x 308 mm.
- weight in packaging: 5.5 kg.
- AC mains voltage range: 85-264 V.

# MOUNTING KIT

Stand delivery set includes the following fasteners:

1. Screw M 6x10 HEX 5 for fastening the pedal and bracket of the metal column THOR — 9 pcs.
2. Nut M6 for fastening the pedal — 3 pcs.
3. Screw black M 4x12 HEX 3 with cylindrical head for mounting the THOR electronic control unit — 4 pcs.
4. THOR electronic control unit mounting plate — 2 pcs.
5. Black screw M 6x16 HEX 4 with flat head for fastening the rear wall — 6 pcs.
6. White cable ties for fastening wires inside the stand — 5 pcs.
7. Rubber feet for pedal bracket — 3 pcs.

# GENERAL INSTALLATION RECOMMENDATIONS

If you have no experience assembling electronic devices, it is recommended to contact professionals. If unqualified During installation, damage to the stand or components of the THOR system may occur. In this case, THOR will not be held liable for any damage caused.

The assembly instructions for the stand contain all the necessary information. If you encounter questions during the assembly of the THOR demonstration stand, please contact THOR technical support for additional information.

| | |
|---|---|
| Technical support contacts: | Phone / Whatsapp : +74951338589<br>E-mail: service@thor-tuning.com |

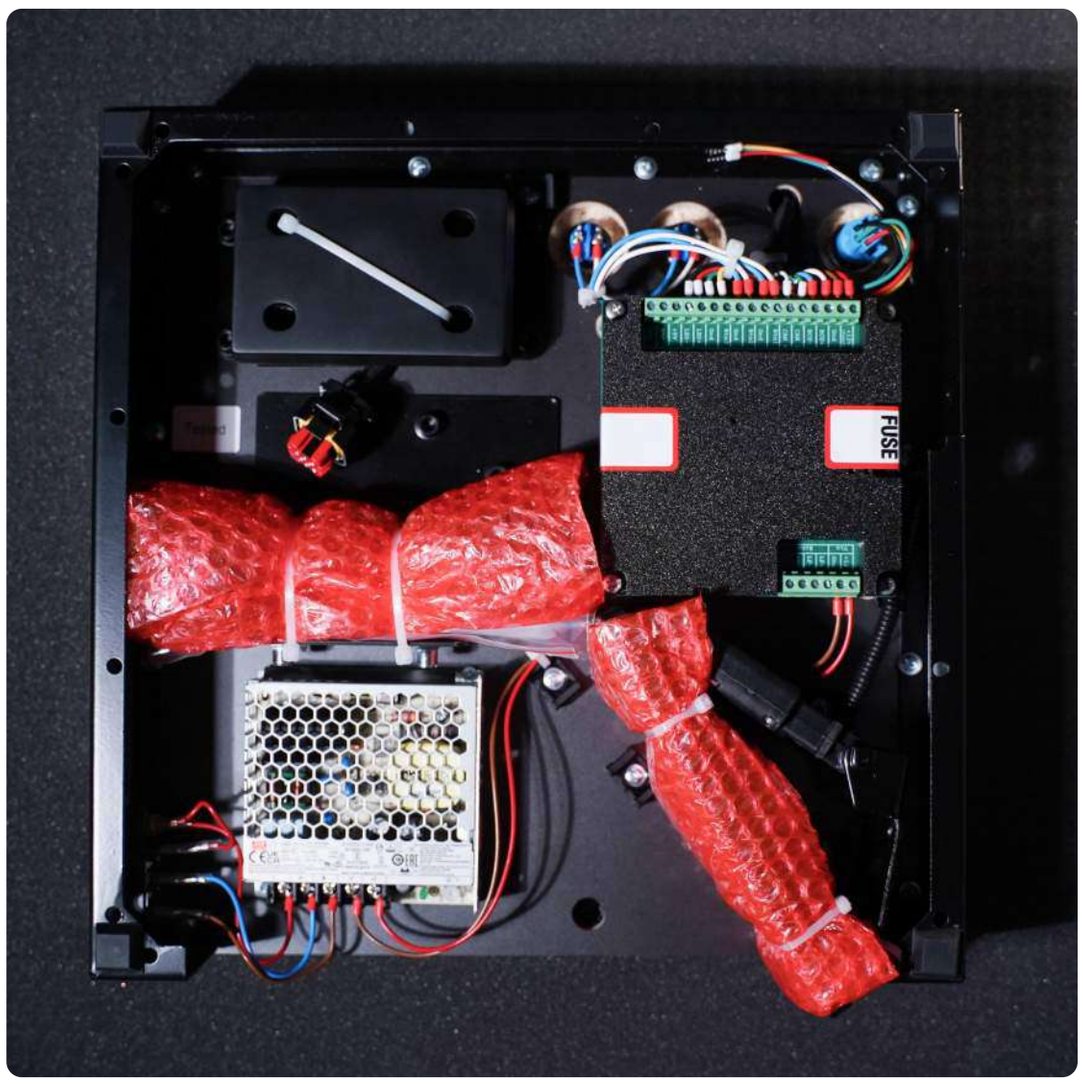
The installation instructions for the THOR demonstration stand are posted on the company's website https://thor-tuning.com in the «Instructions» section.

# PREPARING FOR ASSEMBLY

The stand should be assembled on a table with a flat and clean surface. To protect the stand from damage, it is recommended to use a soft cloth as a lining.

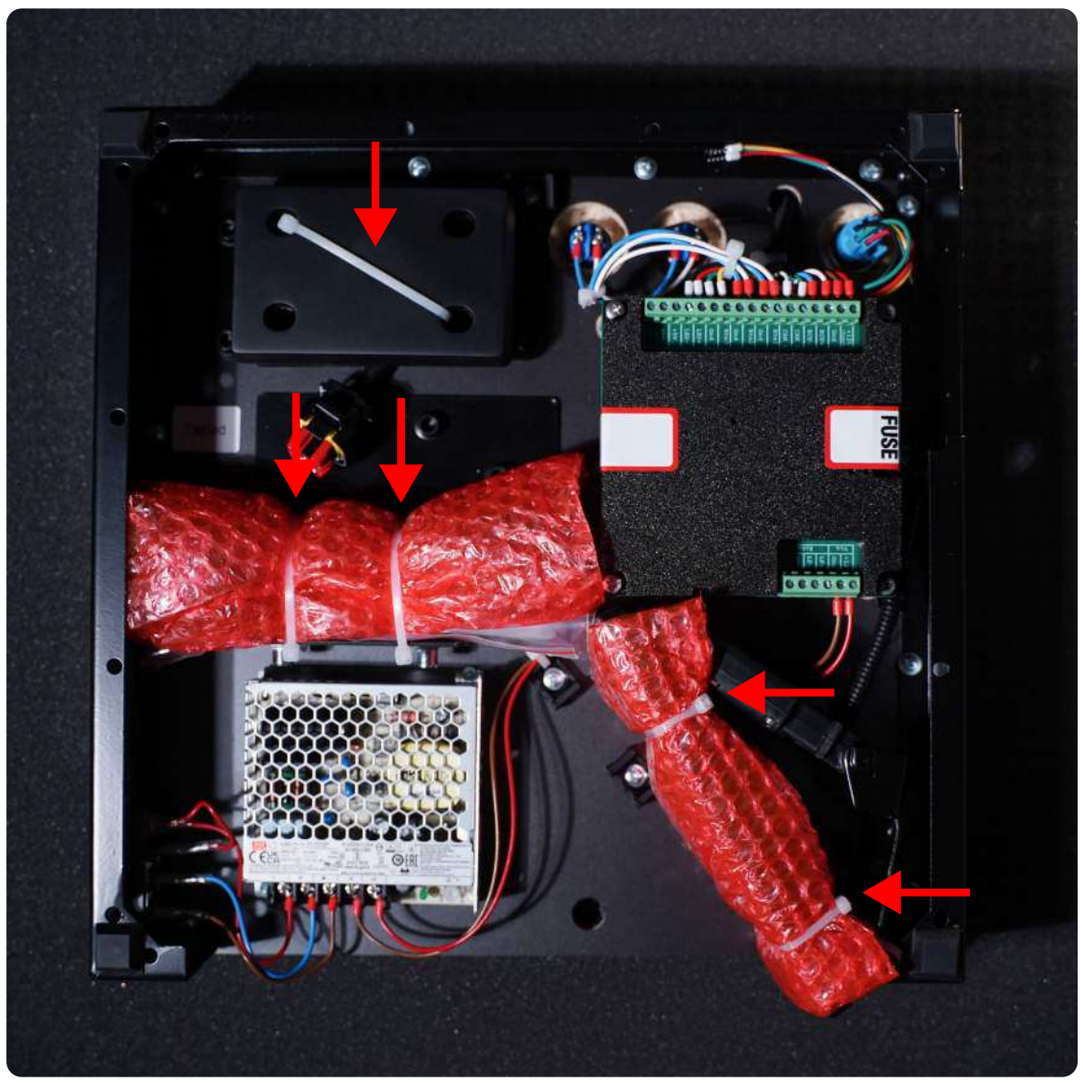
To assemble the stand, you will need the following tool:

- Screwdriver with HEX3 tip for installing the THOR electronic control unit.
- Screwdriver with HEX4 tip for installing the rear wall of the stand.
- Screwdriver with HEX5 tip for pedal installation.
- TORX 30 tip for installing THOR column ECHO.
- Open-end or ratchet wrench size 10 for installing the pedal.
- Ratchet wrench with 16 mm head for installing THOR metal column.
- A small flat-head screwdriver for attaching wiring to the terminal block.
- Wire cutters for shortening the zip ties
- Crimping tool for installing cable lugs.

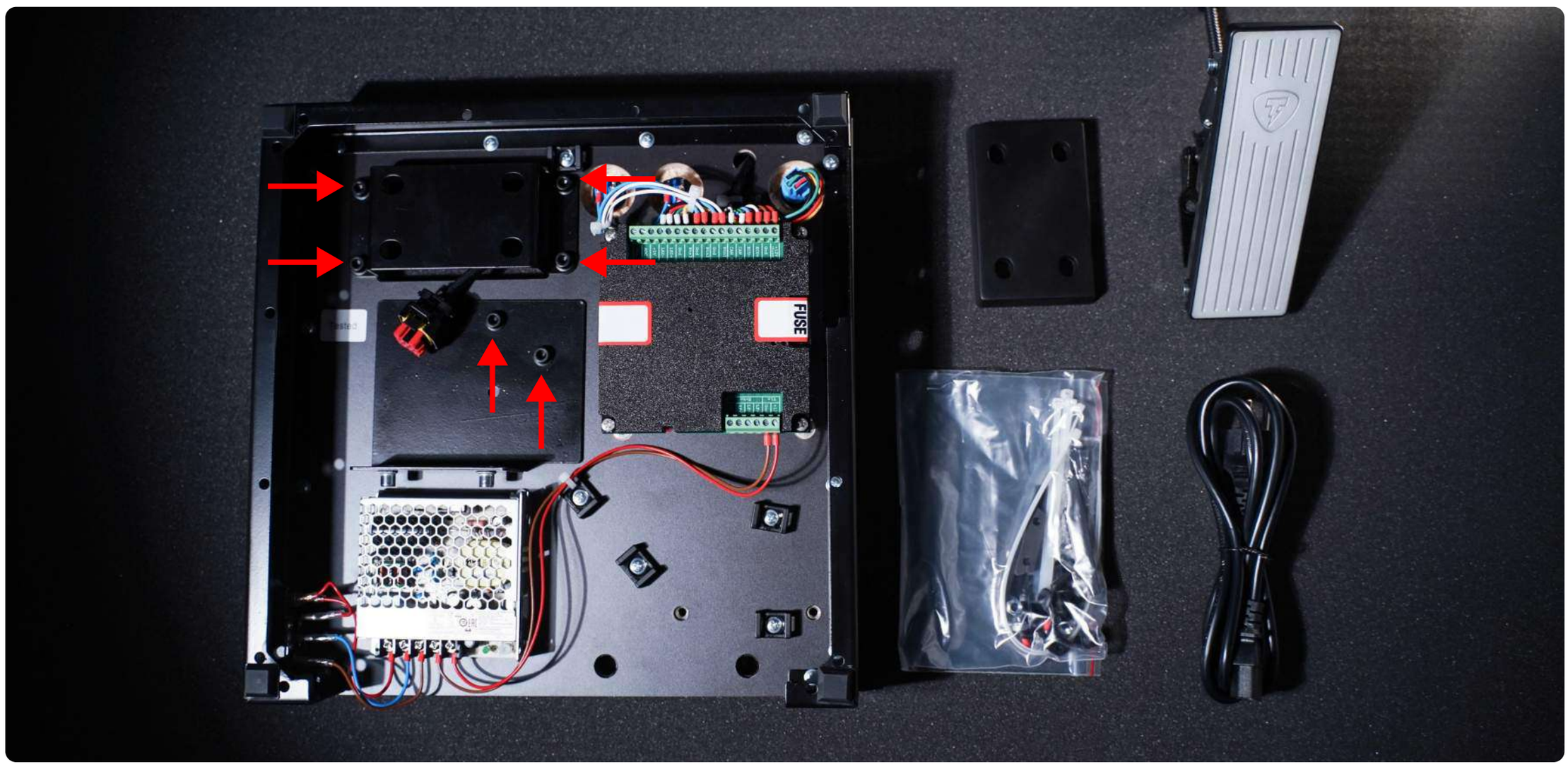


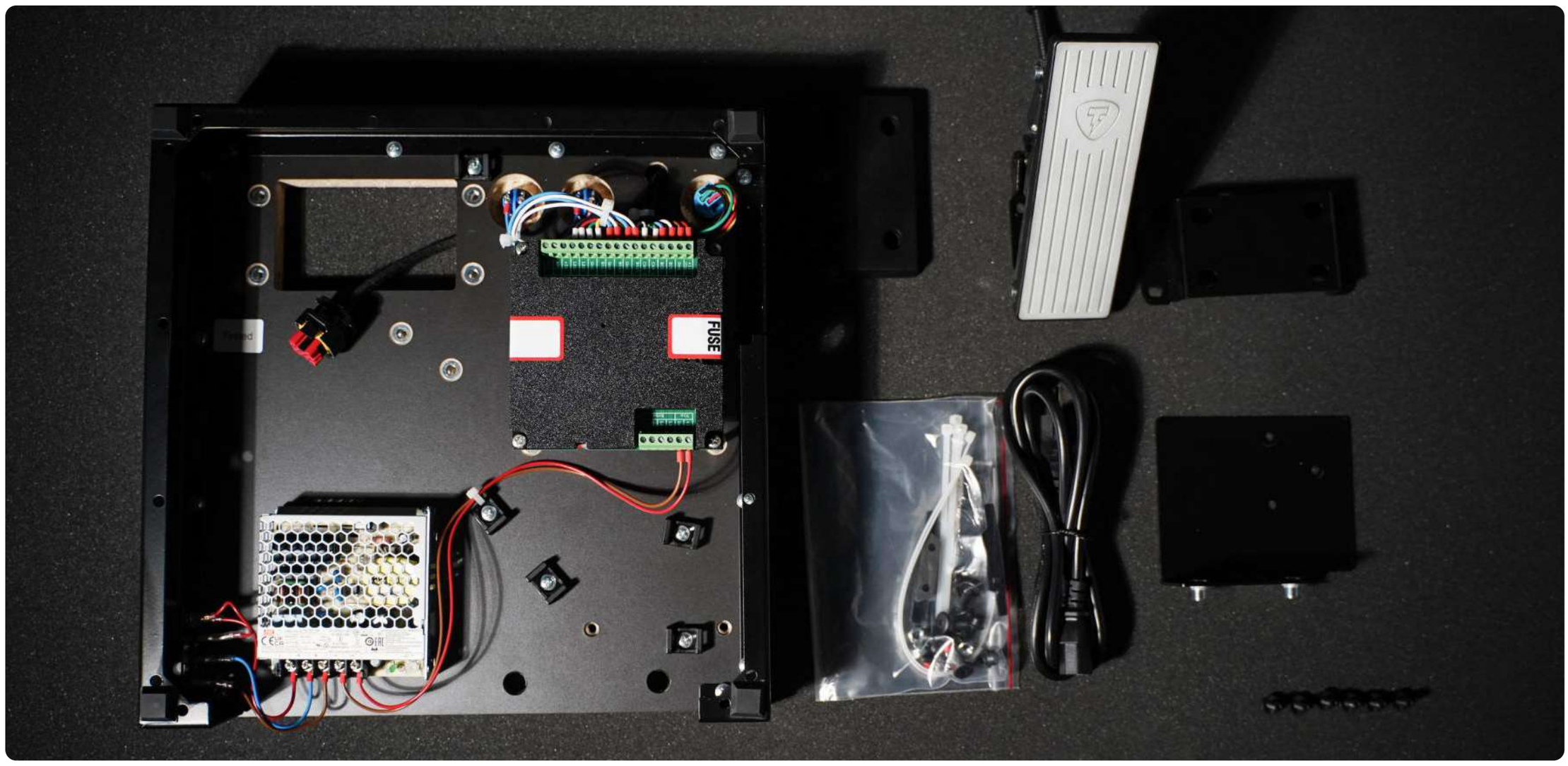
# UNPACKING THE STAND

1. Remove the stand components from the shipping packaging.
2. Place the stand body face down on the table.
3. Remove the pedal, power cable, hardware bag and rubber damper for securing the THOR metal speaker from the tie-down straps.




4. Using a HEX5 screwdriver, remove the four screws securing the THOR metal speaker bracket and remove it from the transport position. In the same way, remove the two screws securing the pedal bracket and remove the body bracket.

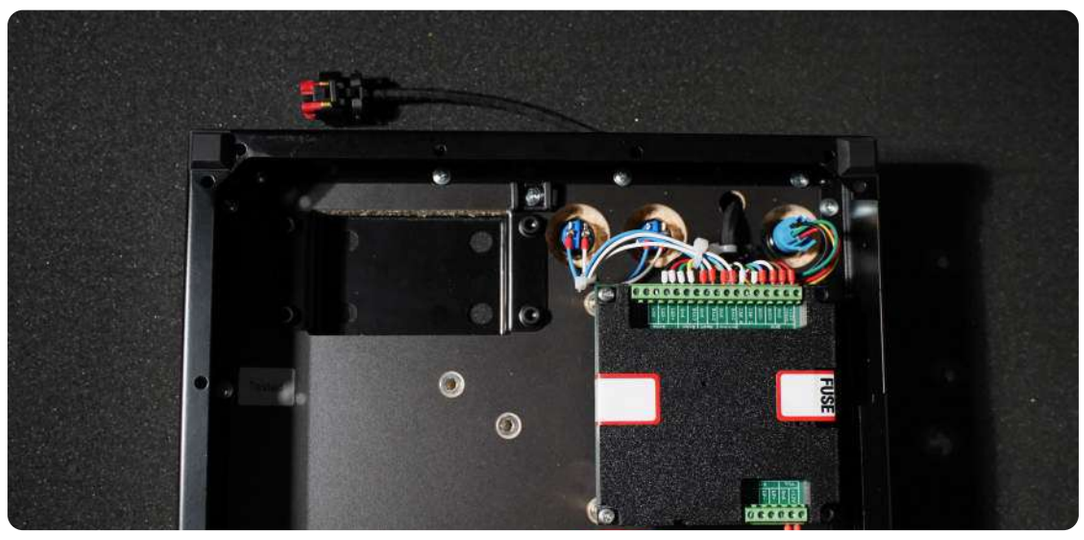


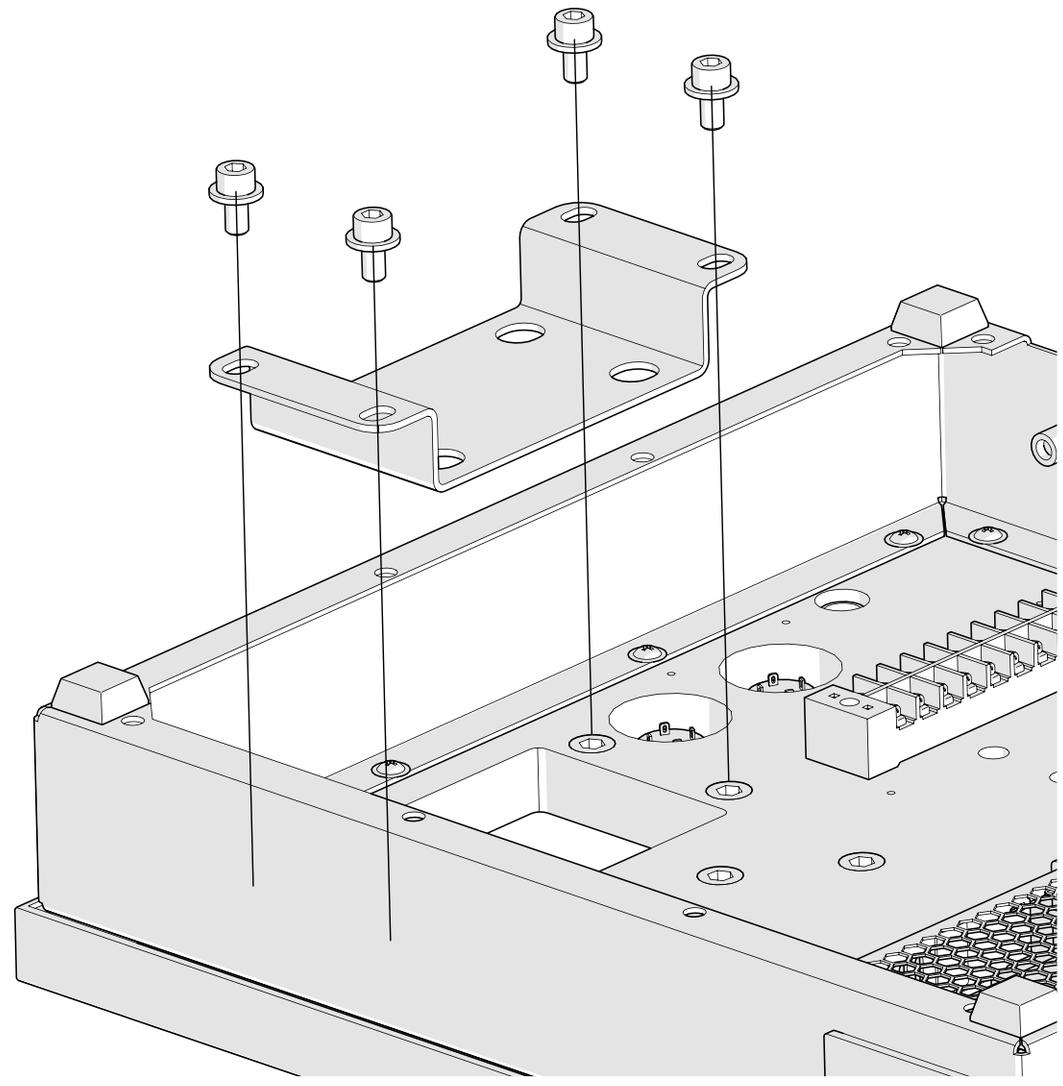



5. Position the THOR metal speaker mounting plate as shown in the figure and secure it with the four screws removed in step 4 of this section.

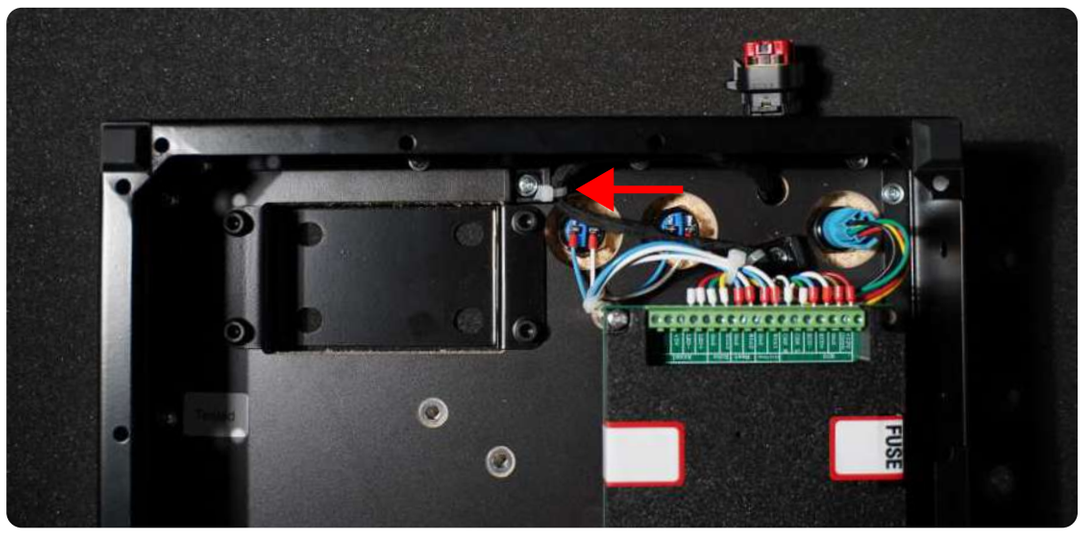






6. Pull the excess cable with the connector for the THOR control unit into the housing and secure with a short zip tie.



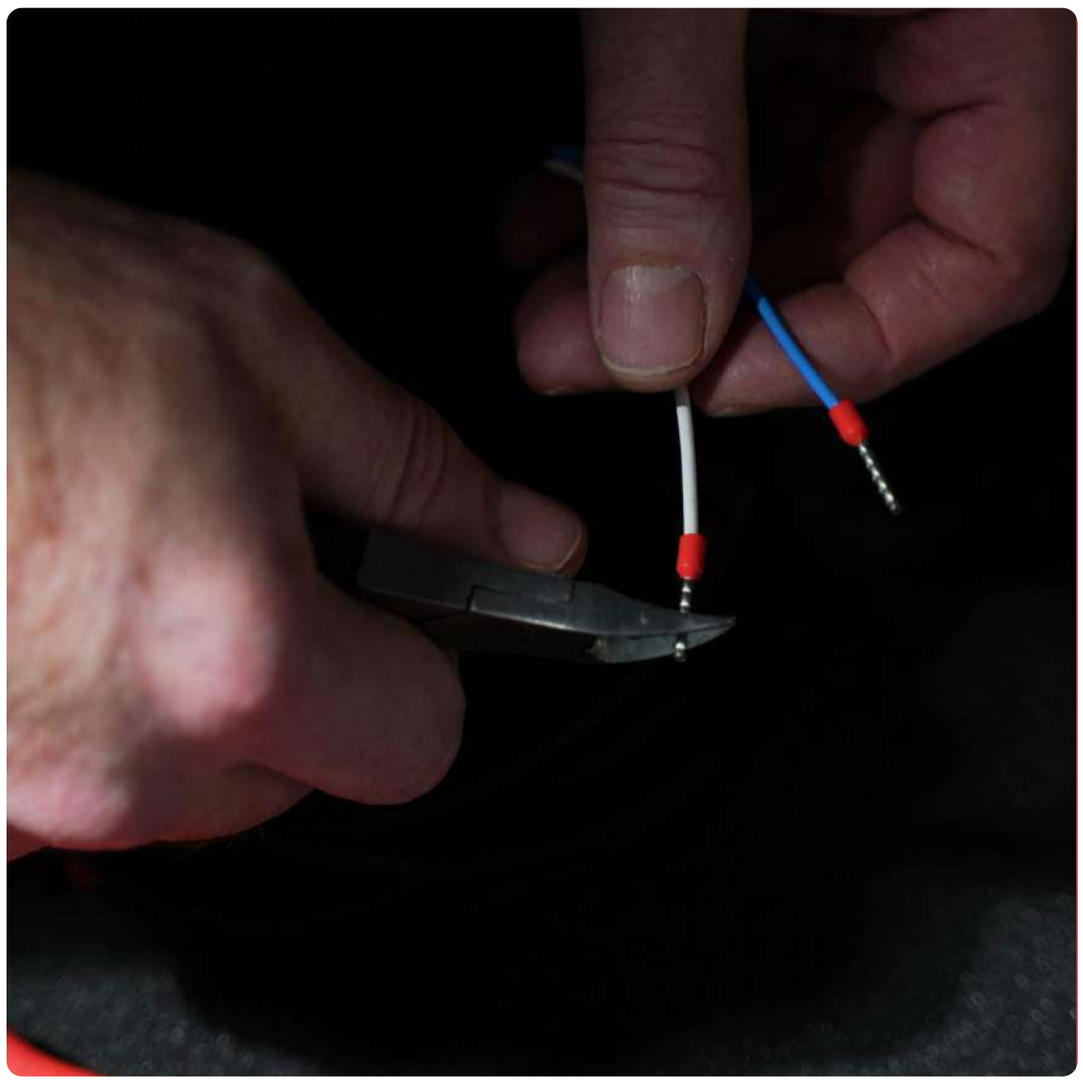
# CONNECTING SPEAKER CABLES

7. Take the cable from the THOR metal speaker kit.

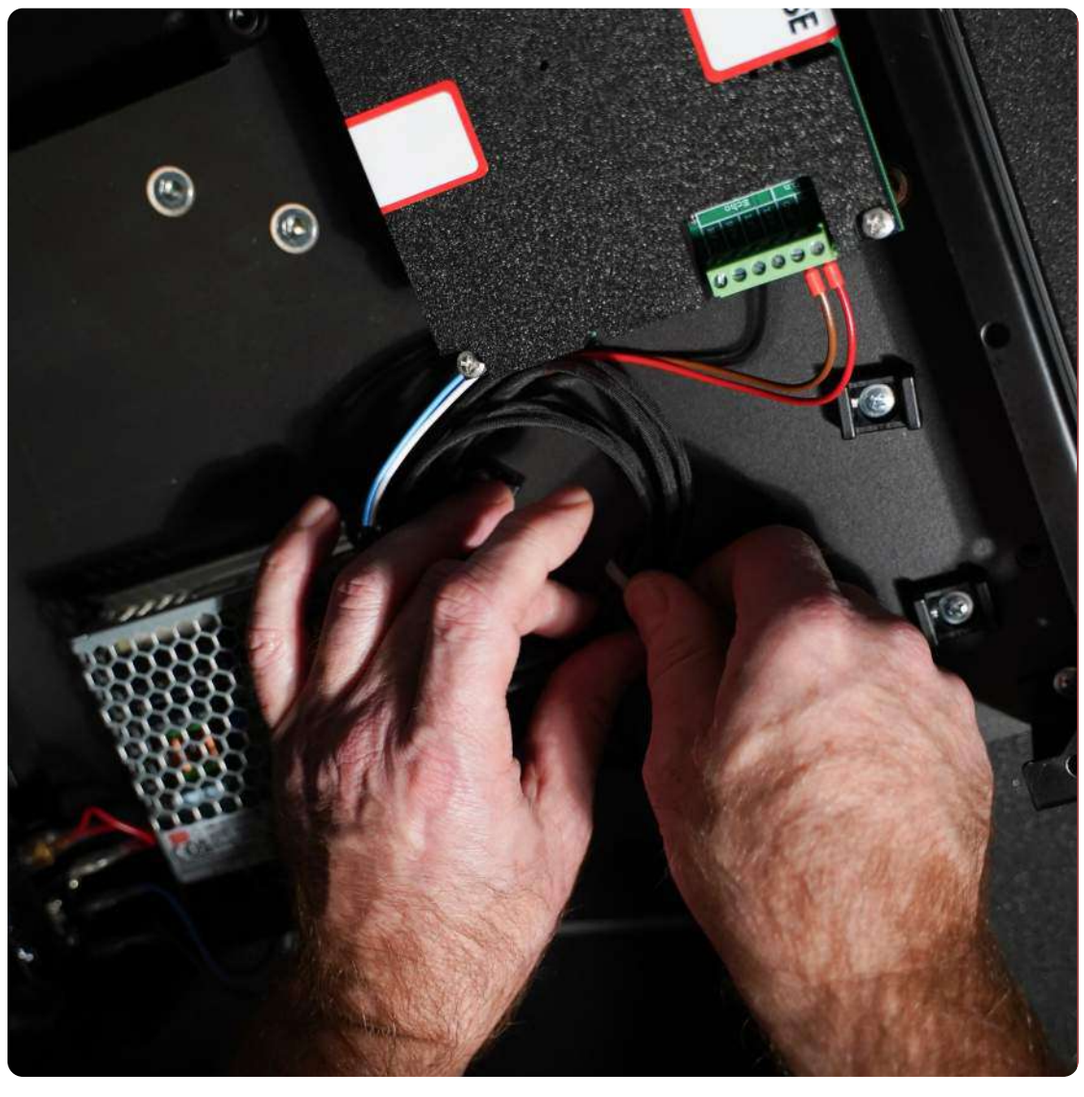


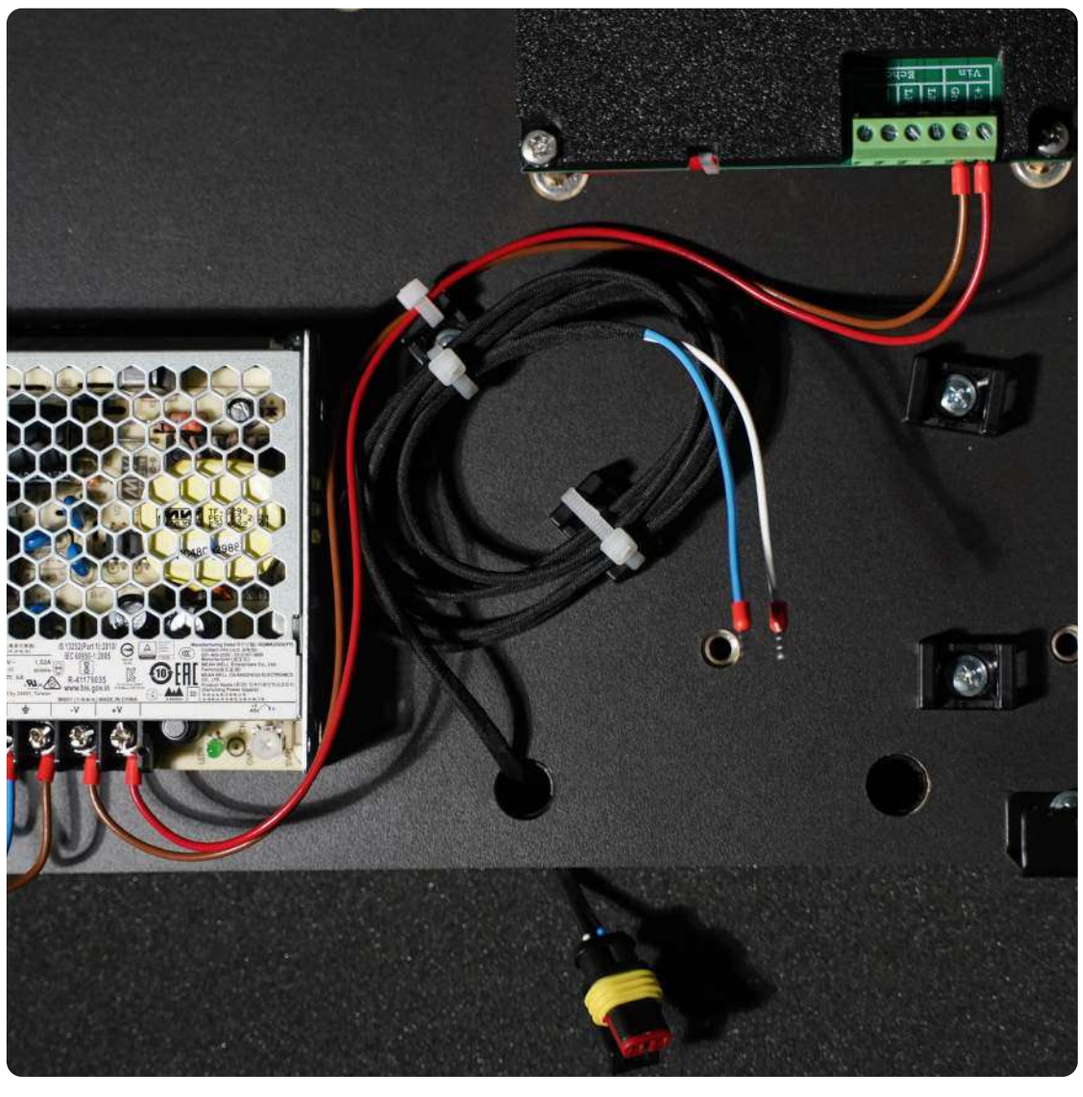

8. Using a crimping tool and nippers, install cable lugs from the hardware bag onto the wire. If necessary, shorten the cable lugs with nippers to a length of 6-8 mm.



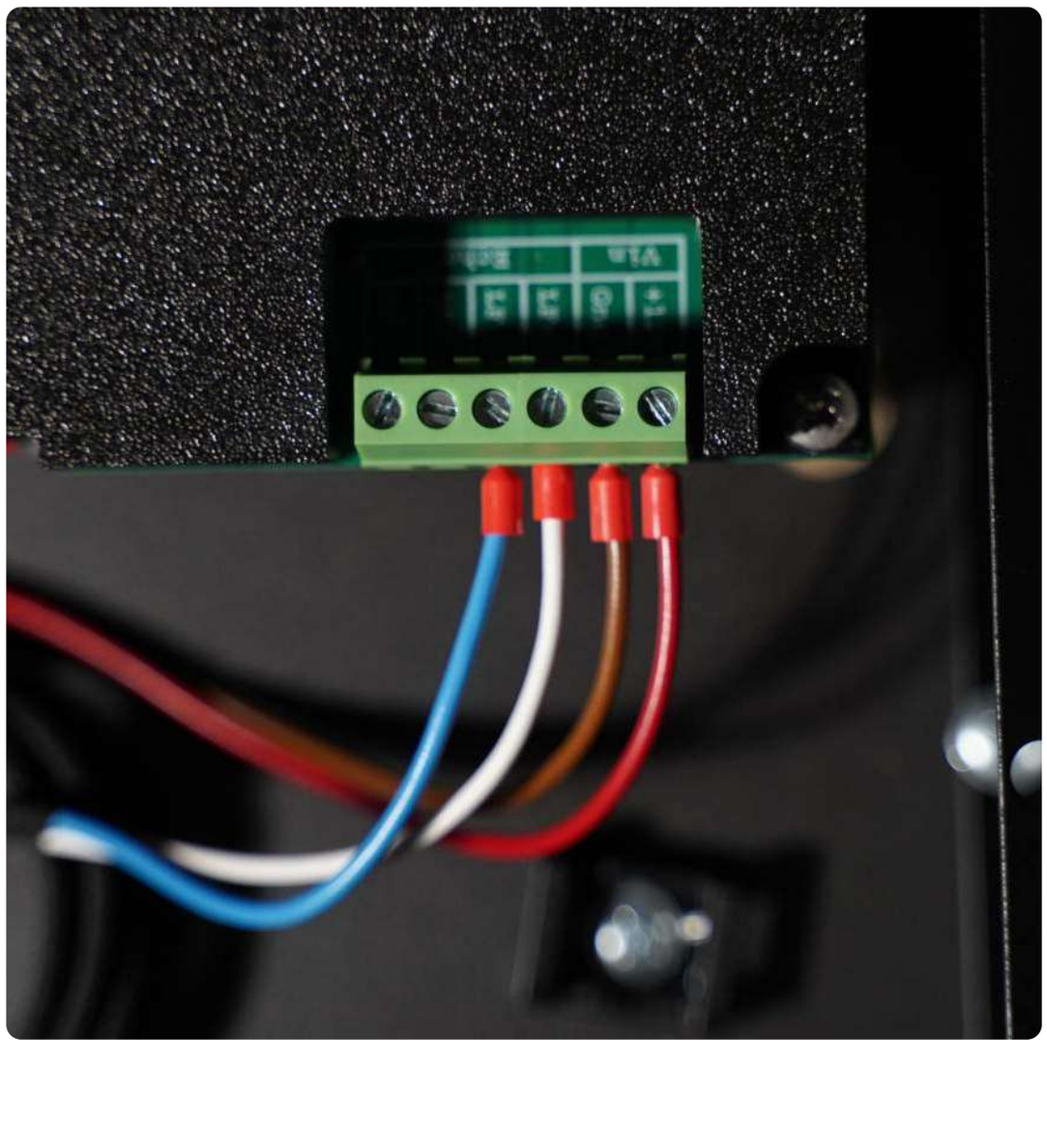


9. Thread the cable into the housing opening and fasten the excess with two short zip ties as shown in the figure below.





10. Using a flat-head screwdriver, connect the wiring to the terminal block to the LF + and LF- terminals as shown in the figure below.



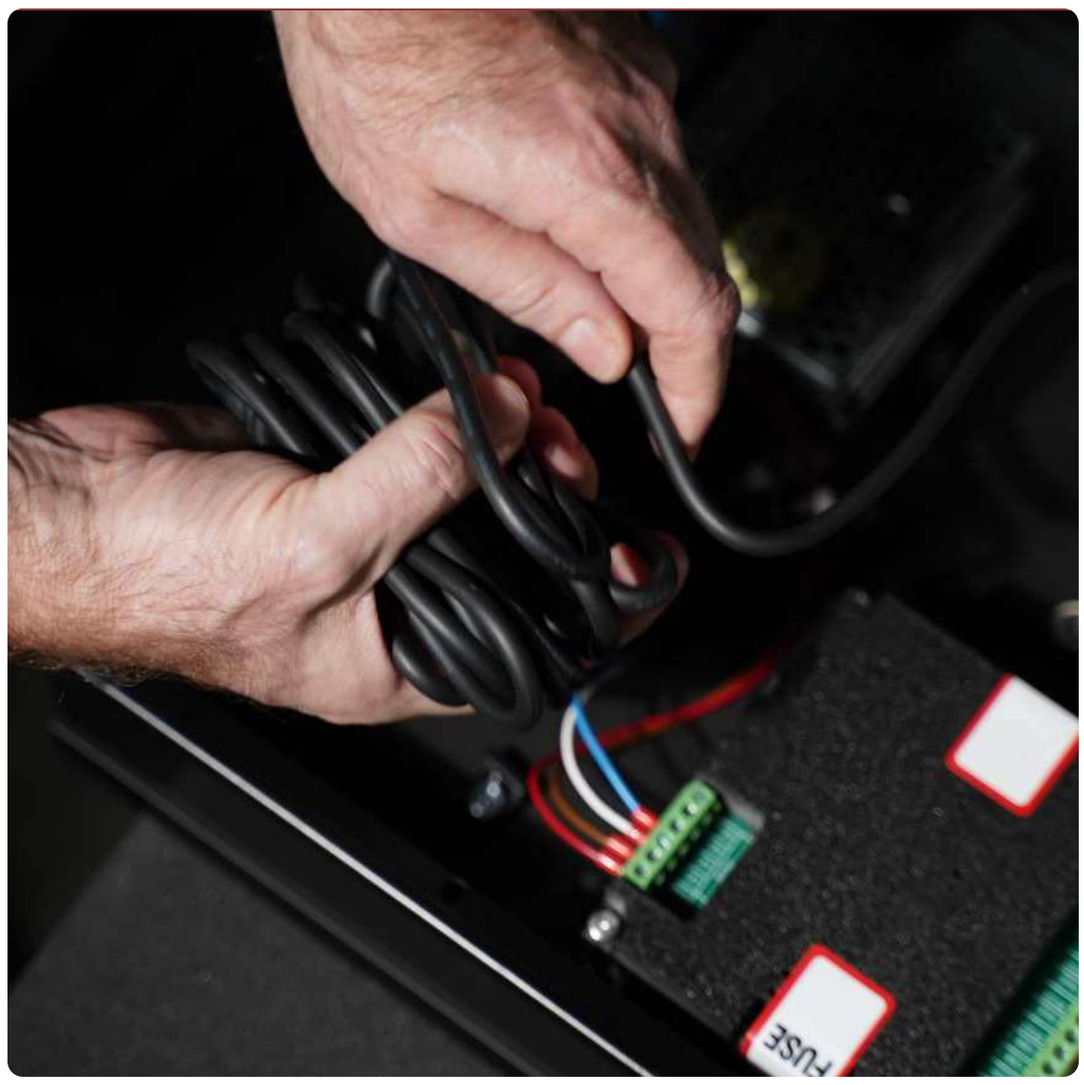
11. Take the cable from the THOR ECHO kit.



12. Using a crimping tool and nippers, install cable lugs from the hardware bag onto the wire. If necessary, shorten the cable lugs with nippers to 6-8 mm.

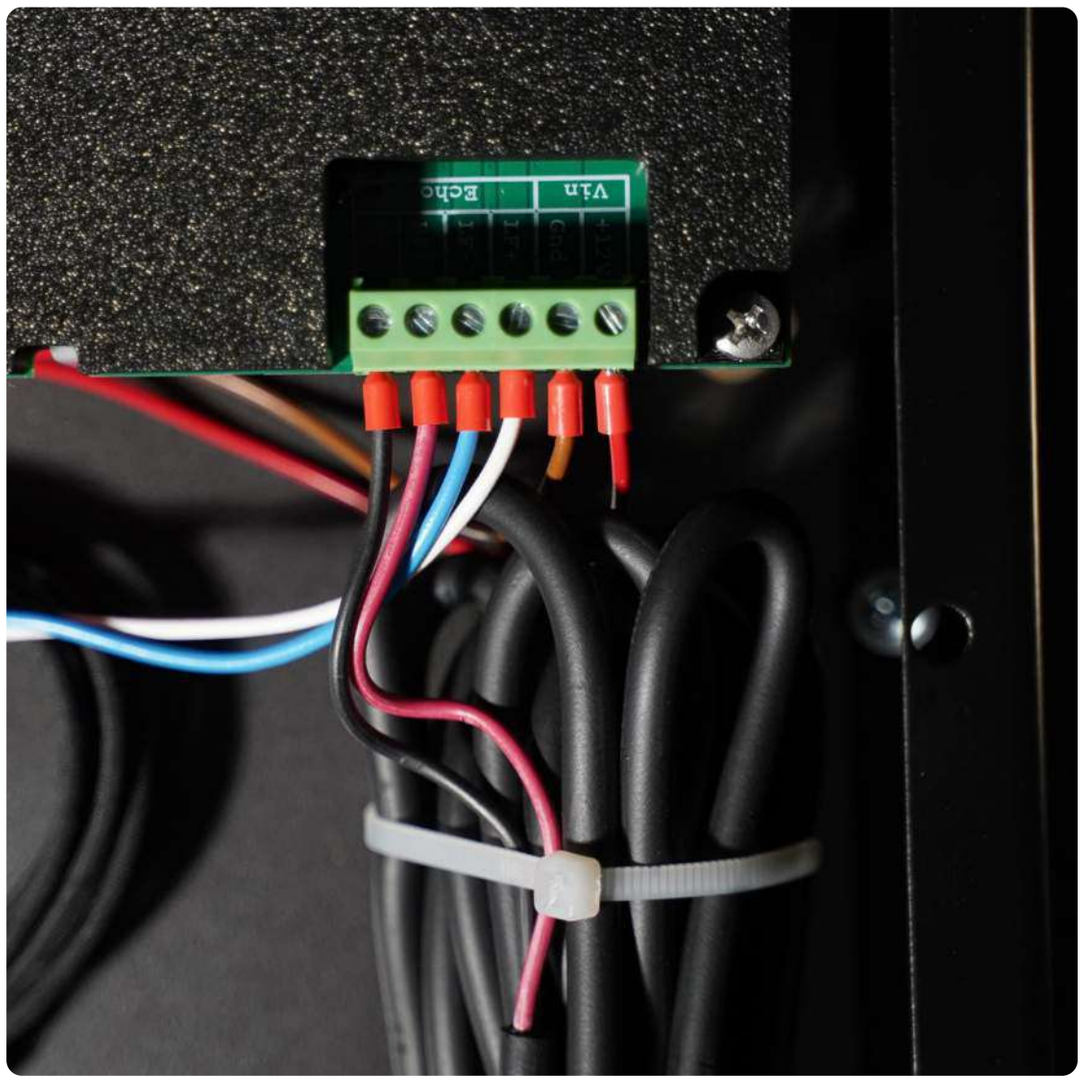


13. Thread the cable into the second hole of the housing and fasten it with two long zip ties as shown in the figure below.

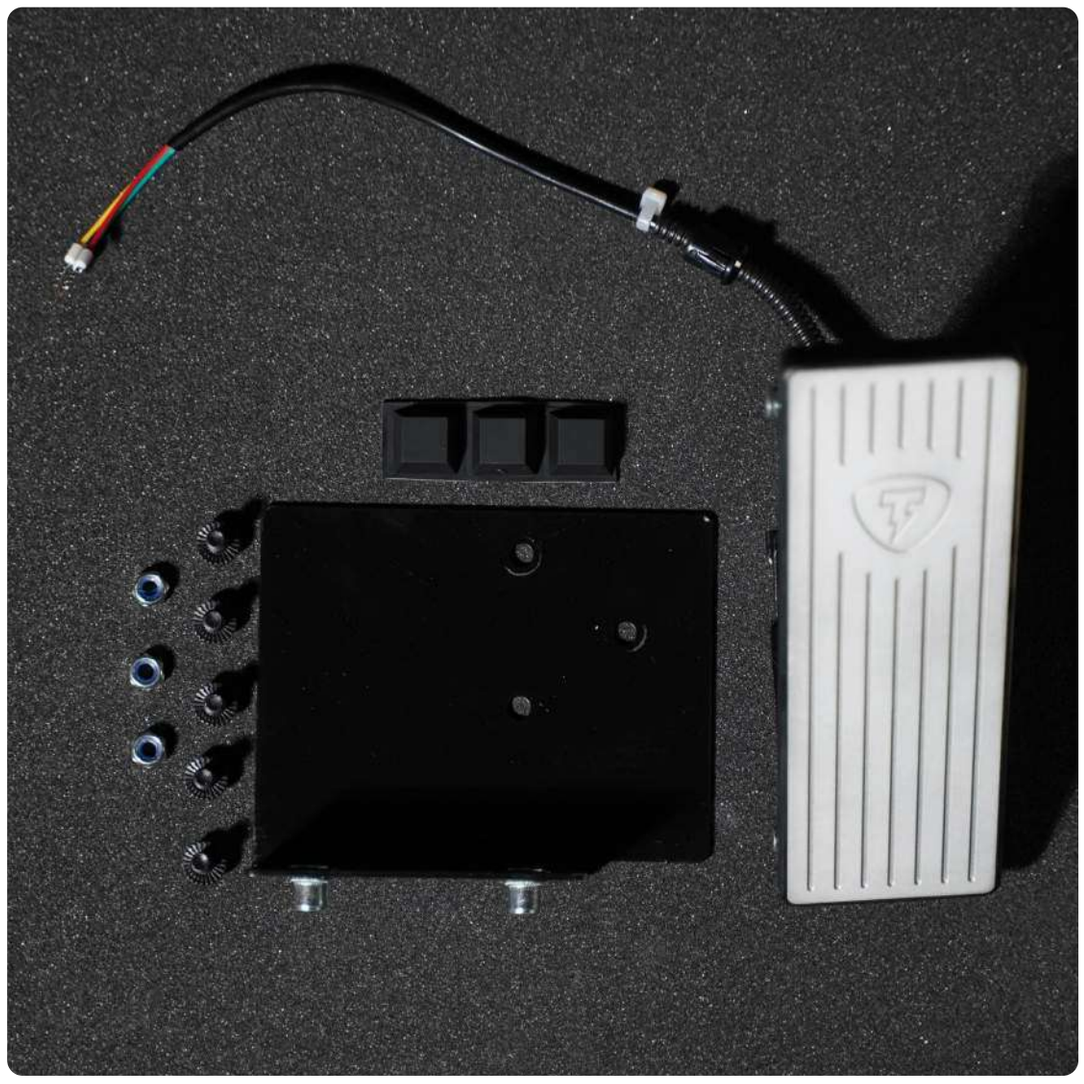




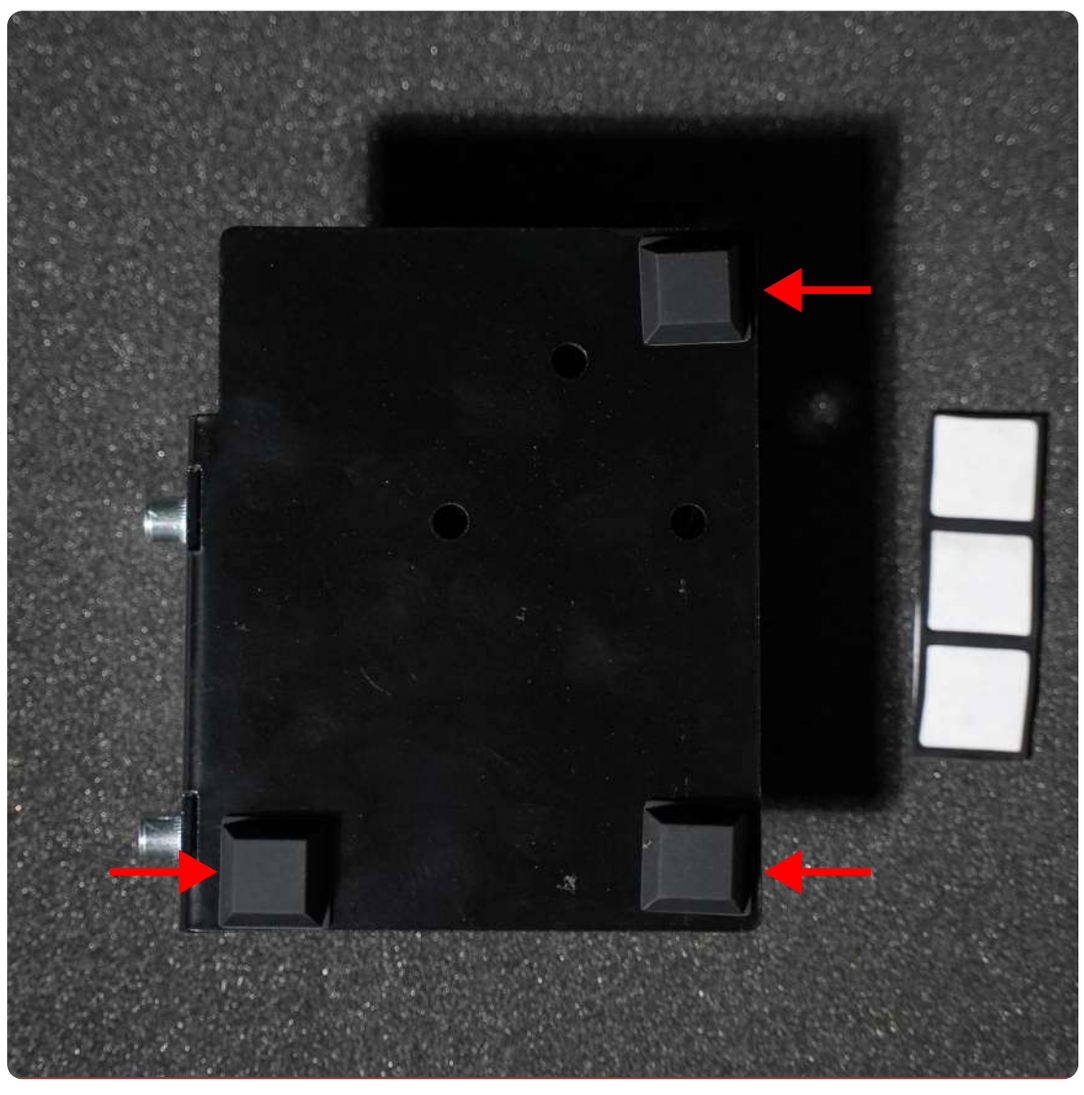

14. Using a flat-head screwdriver, connect the wiring to the terminal block to the HF + and HF- terminals as shown in the figure.



# INSTALLING THE PEDAL



15. Stick three rubber feet onto the pedal bracket as shown in the picture.

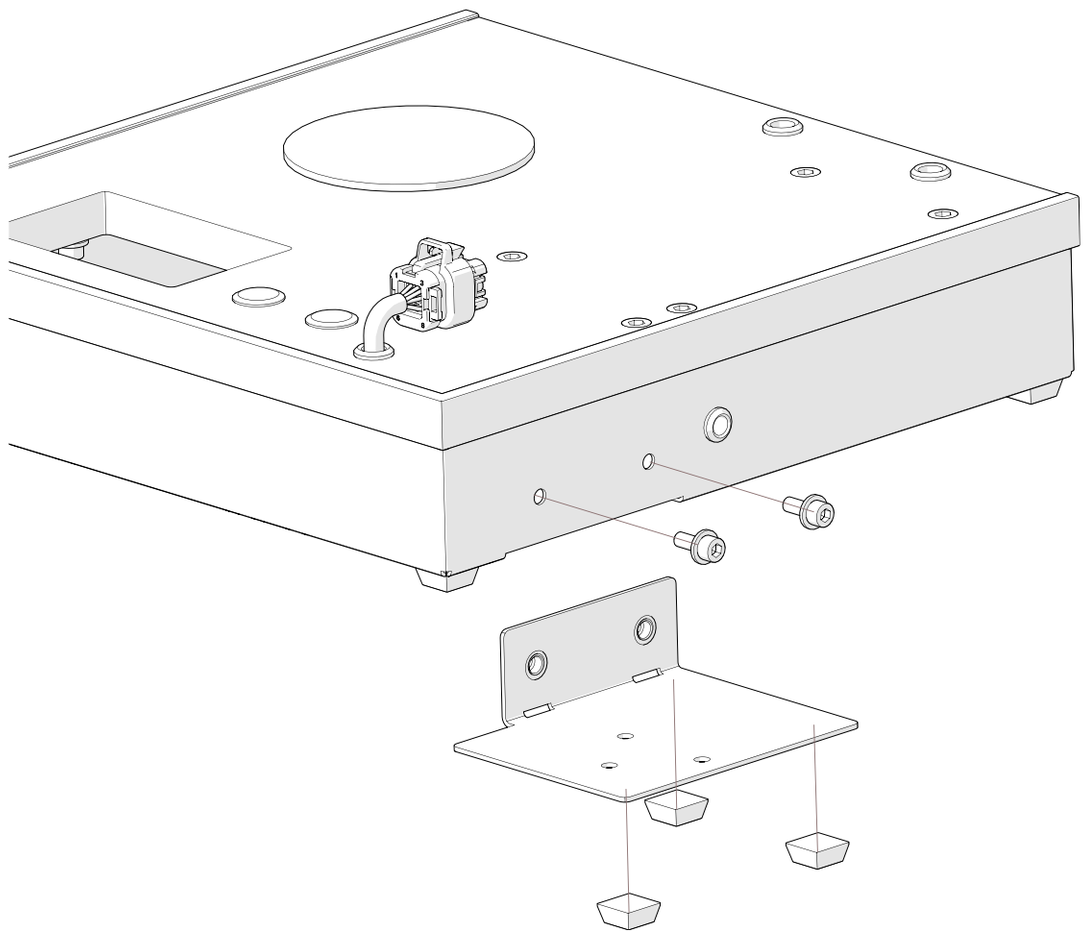


16. Turn the stand body face up and insert the pedal bracket inside the stand body.




17. Fix the pedal bracket using a HEX 5 screwdriver and two M6 screws.

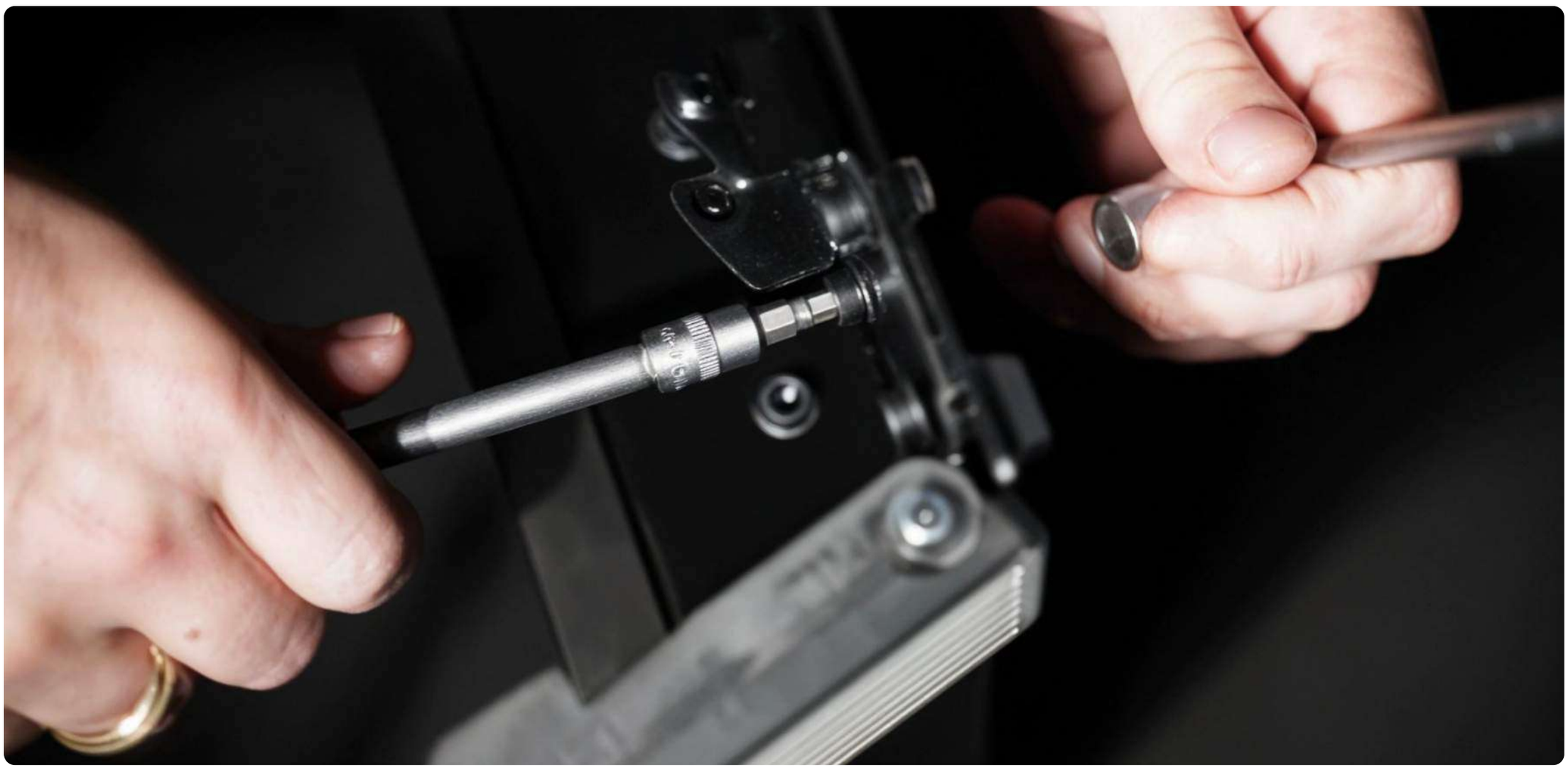




18. Disconnect the movable element of the pedal for ease of installation.



19. Place the stand body vertically on its side and securely attach the pedal to the bracket using three screws and three M6 nuts from the mounting kit. Use a HEX5 screwdriver and a 10 key.

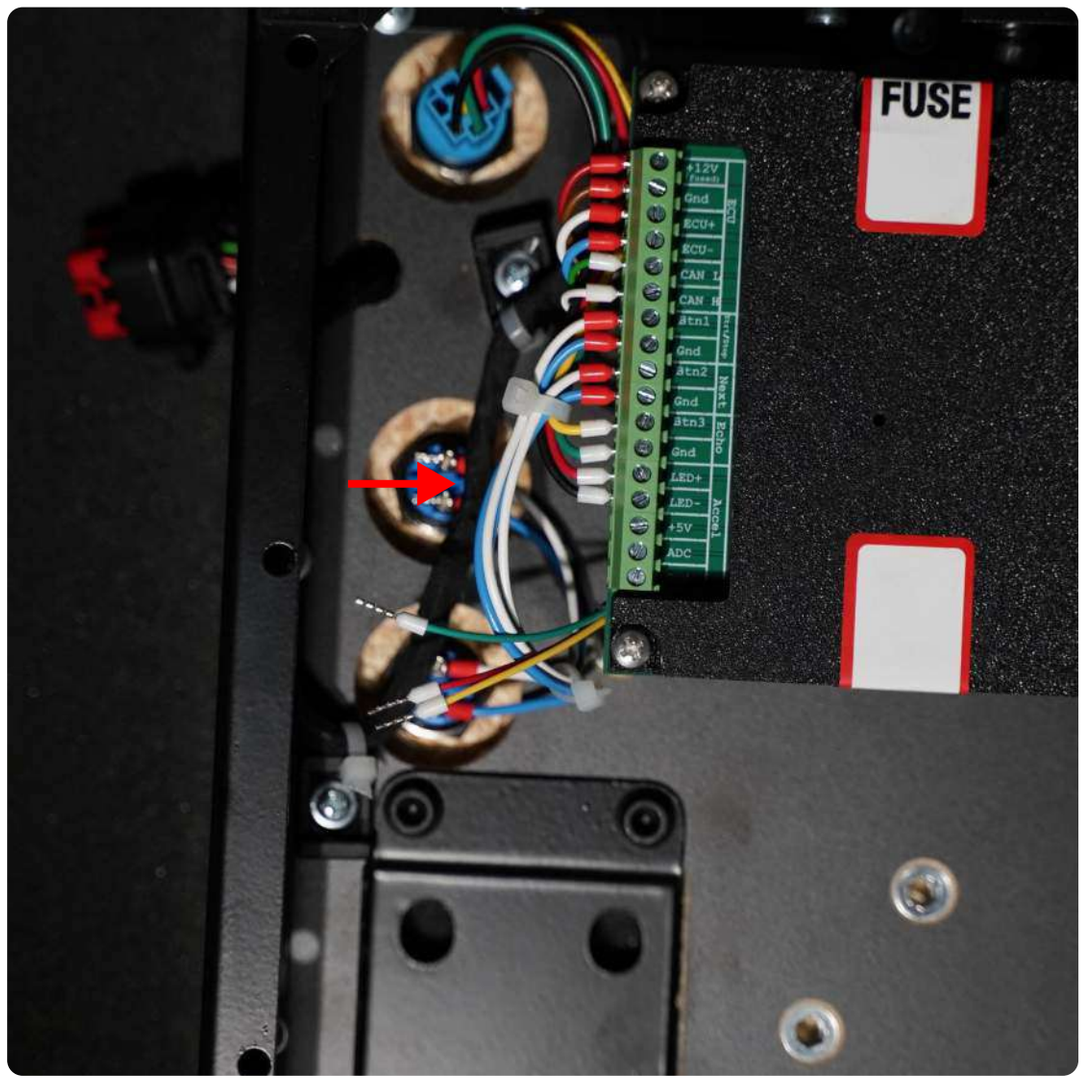


20. Fix the movable pedal element to its original location and thread the pedal cable into the housing through the mounting hole.

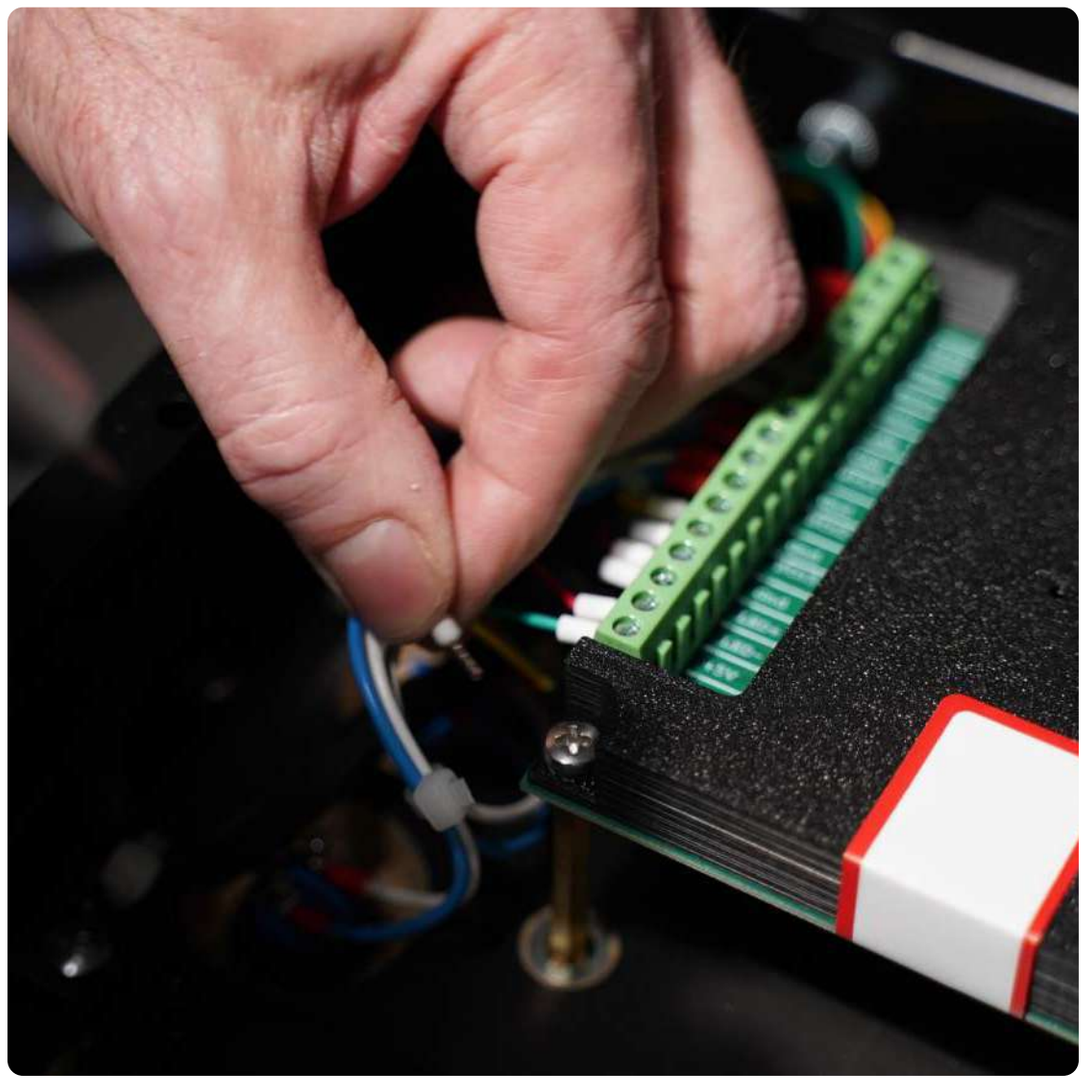


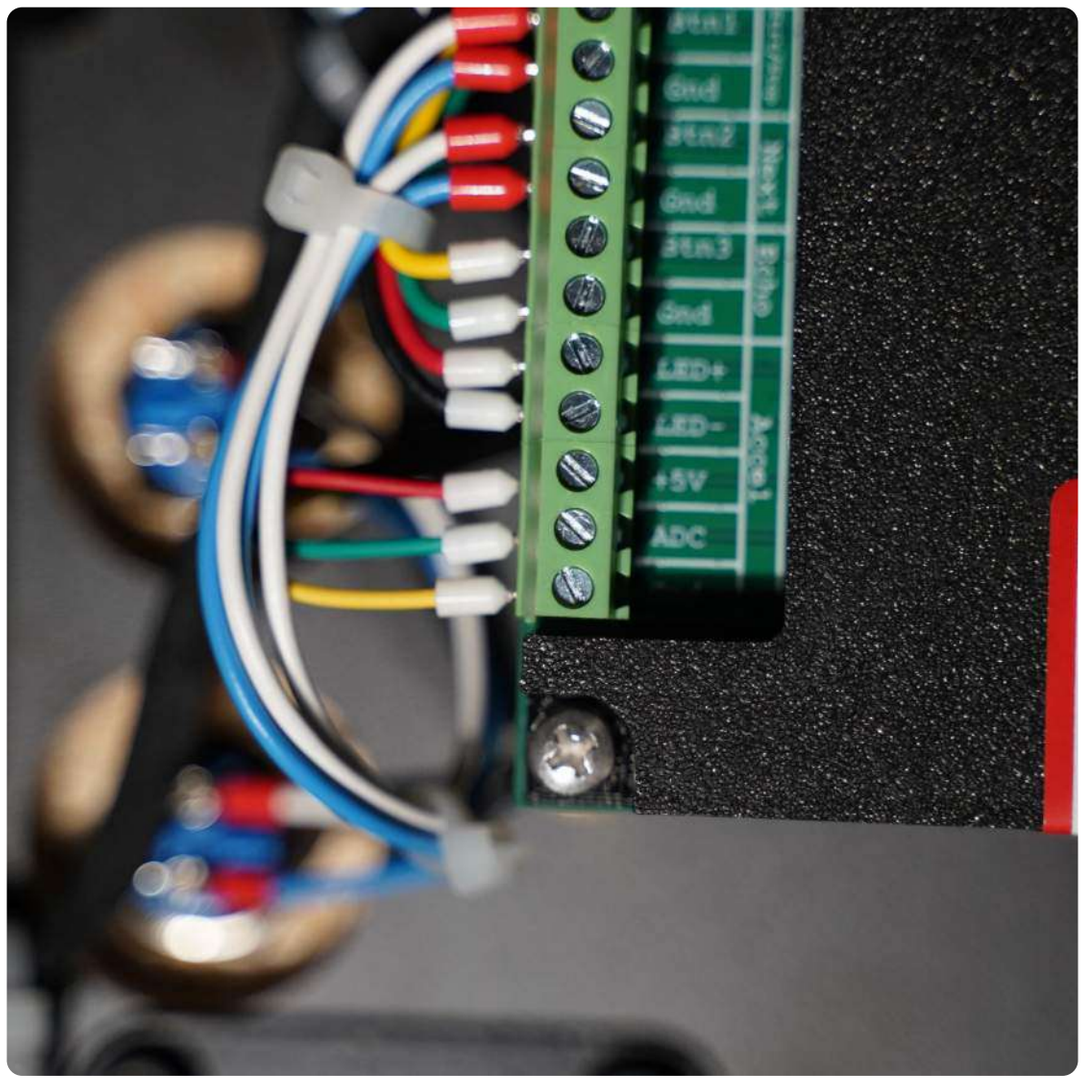


21. Route the pedal cable under the control board towards the terminals intended for connecting the pedal.



22. Using a flat-head screwdriver, connect the pedal wires to the terminal block as shown in the figure.



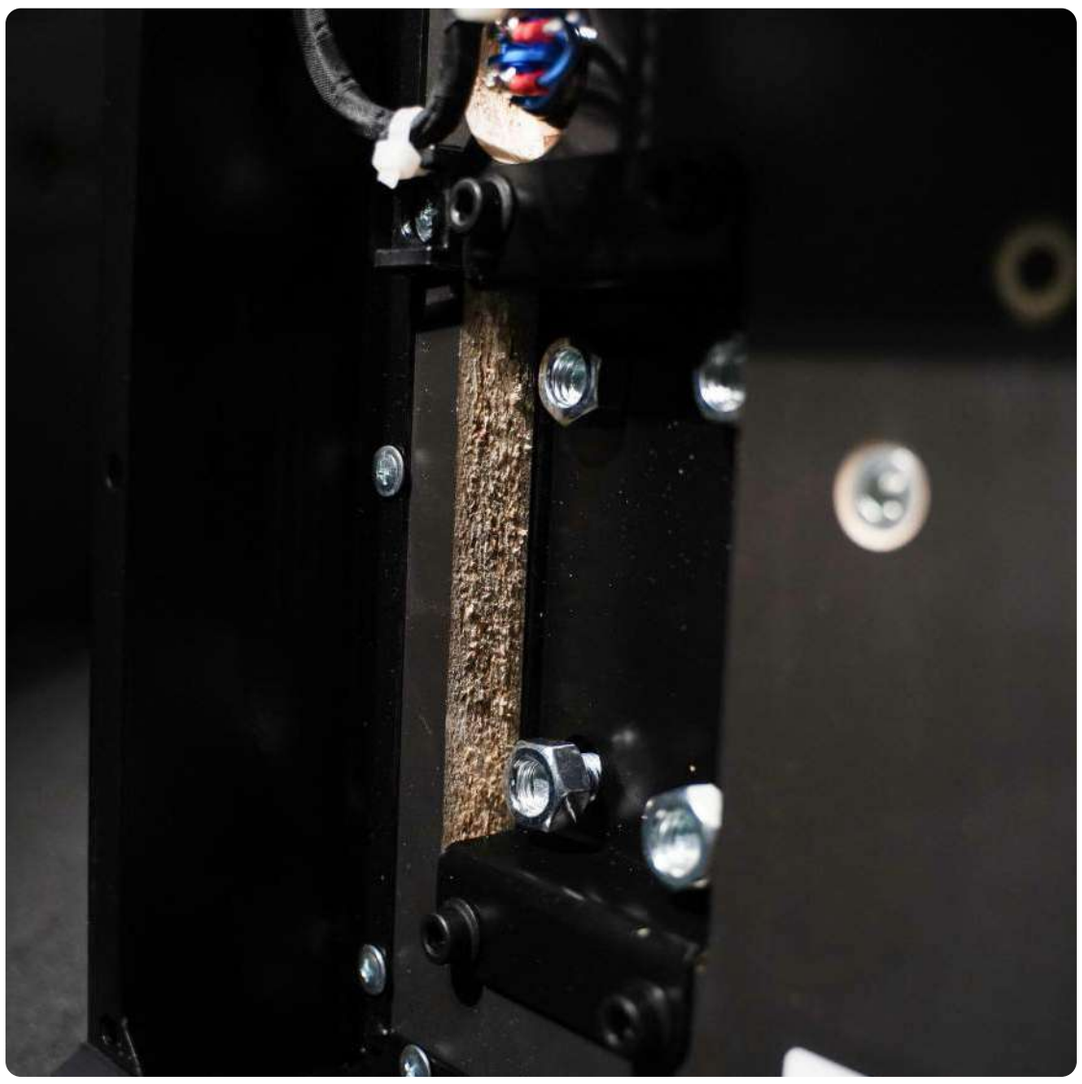



# INSTALLATION OF A METAL COLUMN THOR

23. To install the speaker, use the two clamps included with the THOR metal speaker.



24. Place the housing vertically and lightly tighten the clamp nuts. When installing the clamps, install the rubber damper in place.



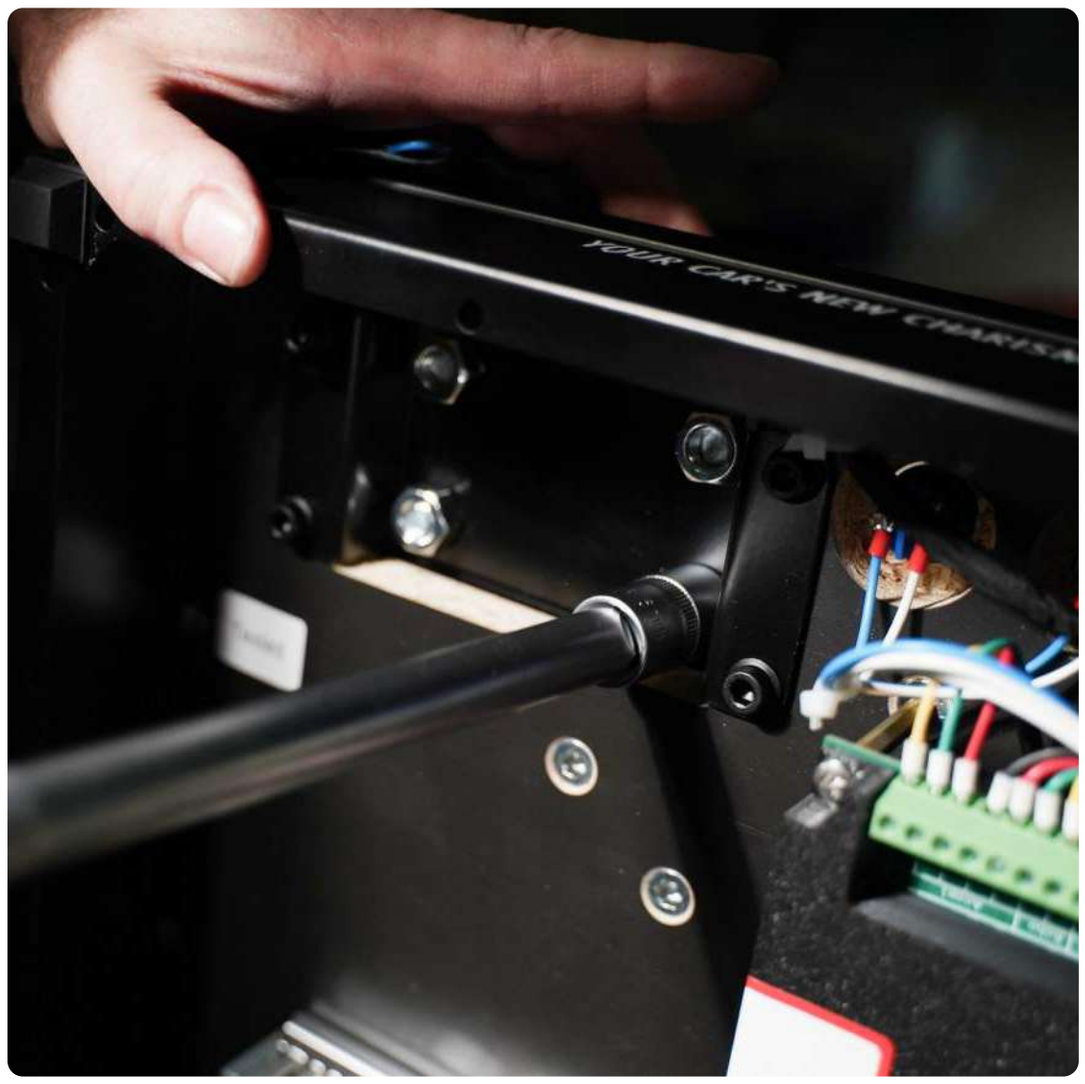


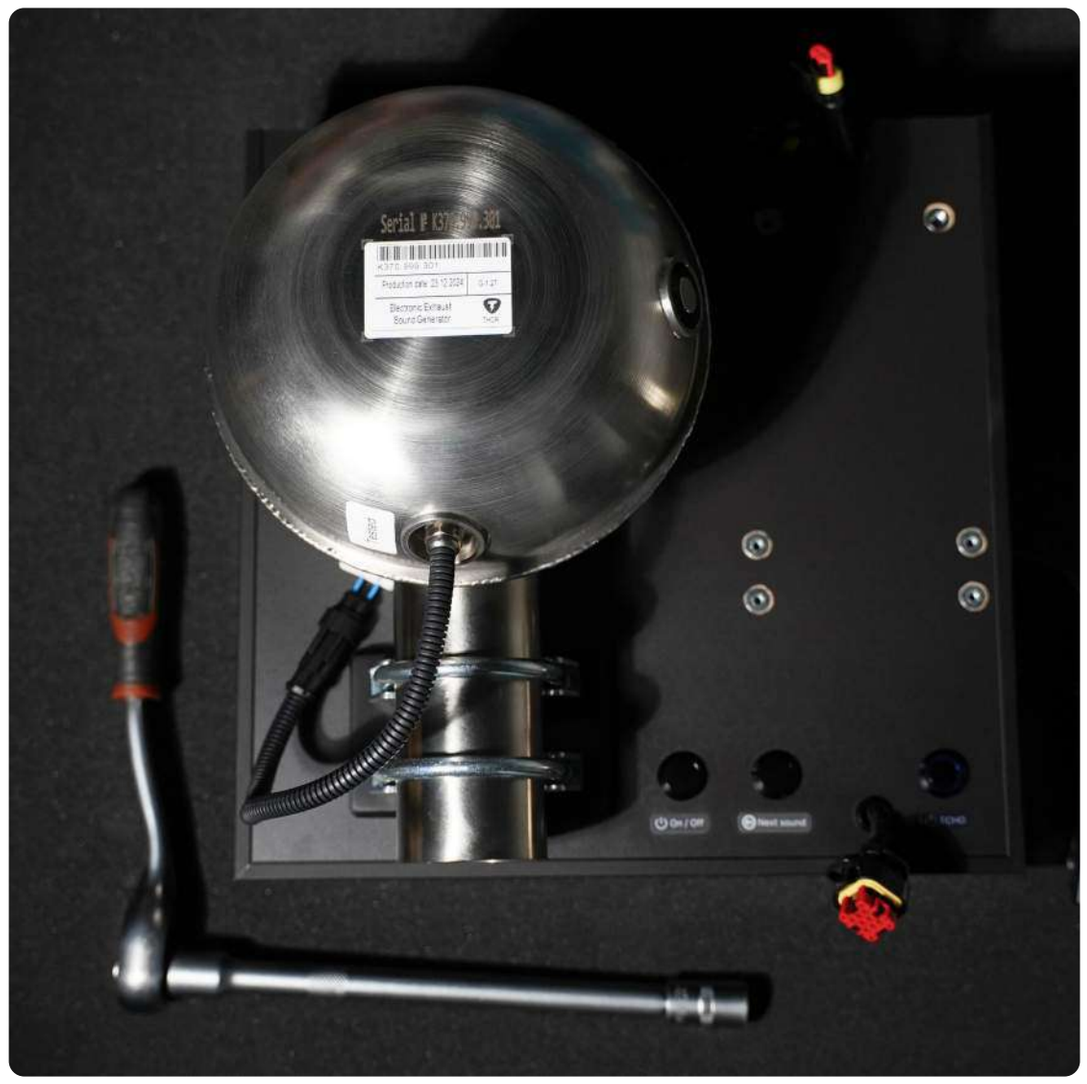
25. Place the case horizontally and install the metal column THOR





26. Tighten the clamp nuts securely using a ratchet wrench and a 16 mm socket.



27. Connect the speaker connector to the mating part of the wiring.



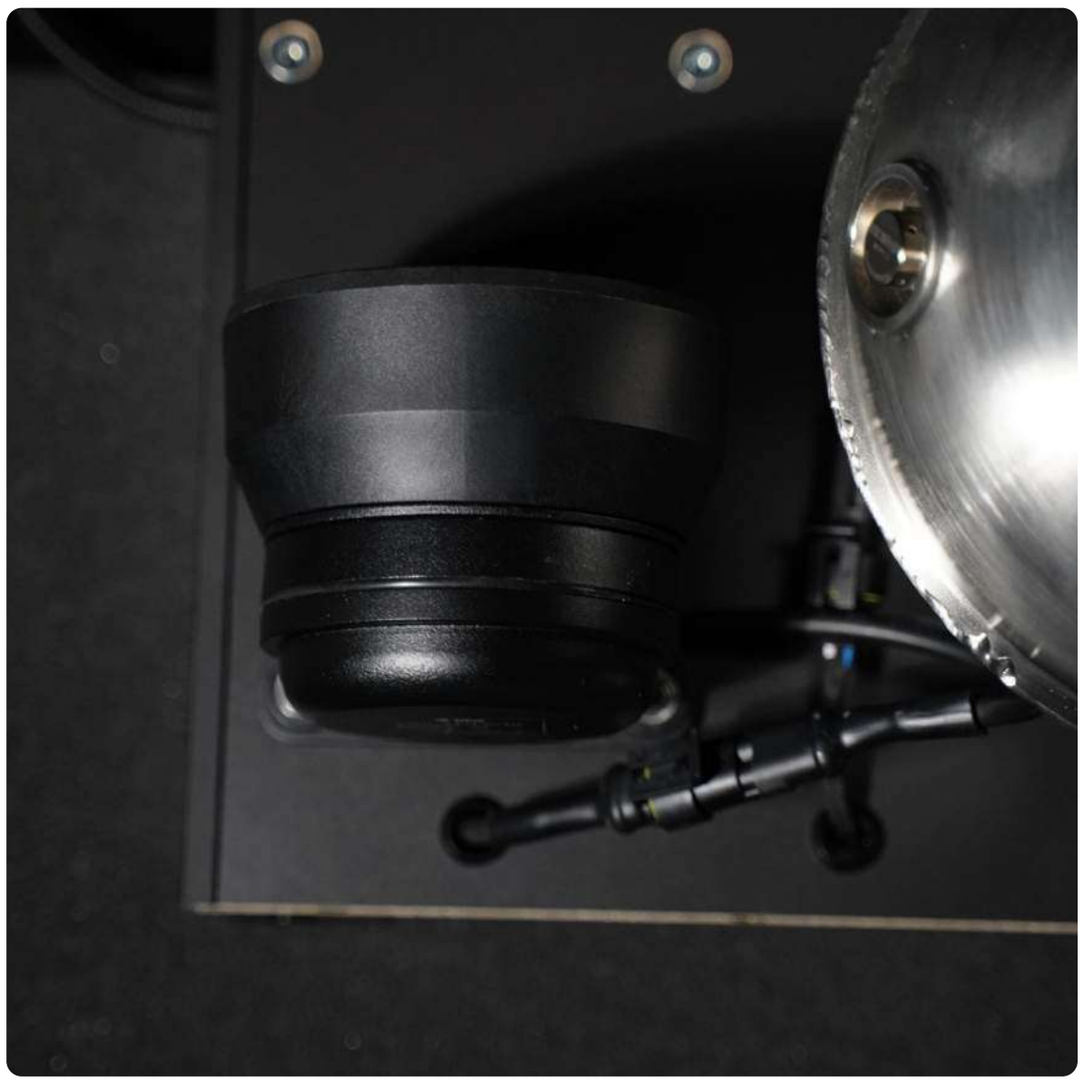


# INSTALLING THE THOR ECHO SPEAKER

28. To install the THOR ECHO, use the two screws supplied with the specified speaker.



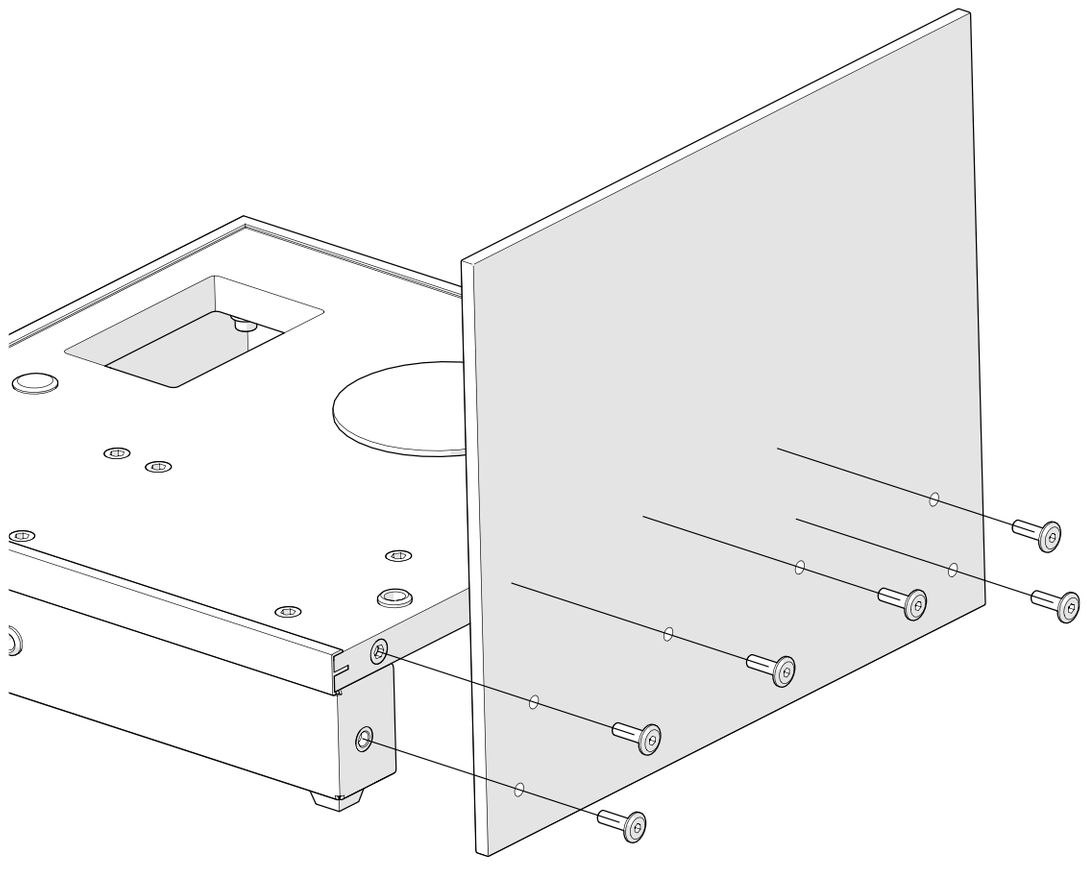
29. Using a TORX 30 screwdriver, attach the THOR ECHO speaker to the stand body. Connect the speaker connector to the mating part of the wiring.



# ATTACHING THE BACK PANEL

30. Using a HEX4-tip screwdriver and 6 M6 flat-head screws from the hardware kit, secure the back panel to the case.



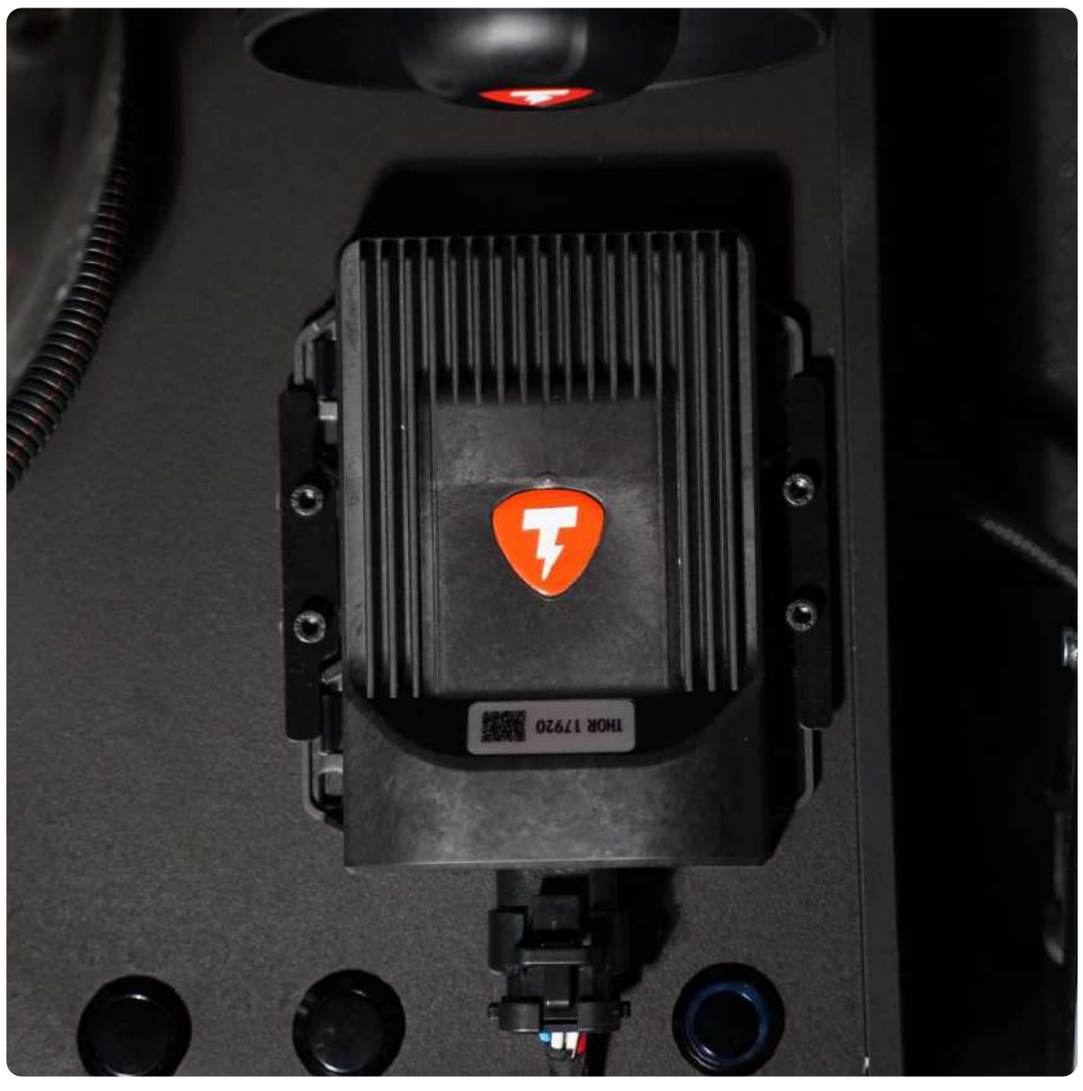



# INSTALLING THOR ELECTRONIC UNIT

31. To install the THOR electronic control unit, use two mounting strips and 4 M4 screws from the mounting kit.



32. Using a HEX3-tip screwdriver, attach the THOR ECU to the stand body.




## DOWNLOADING SPECIALIZED SOFTWARE INTO THE THOR ECU

33. Using a Windows computer and a micro - USB cable, install the specialized software for the THOR ECU. Use the software installation guide.



# OPERATING THE STAND

1. Connect the stand to a power outlet.
2. Turn on the power, using the switch at the mains connector.
3. Download the THOR mobile app.
4. Run the mobile app and register.

**ATTENTION!** To complete registration, the application requires a stable connection to the Internet.

5. Connect the mobile application to the THOR ECU. Choose the car as in the picture below.




6. To start the sound, use the «On / Off» button. To switch the sound, use the «Next sound» button. To turn off the THOR speaker ECHO use the «ECHO» button.




8. Select the desired sound in the mobile application.
9. Use the pedal to change the engine speed.

## SECURITY MEASURES

- It is prohibited to assemble the stand by persons who are not qualified specialists and who have not undergone training and testing of knowledge on safety precautions.
- It is prohibited to use faulty tools when assembling the stand.
- Electrical protective equipment and personal protective equipment used at work must comply with the requirements of state standards.
- It is prohibited to assemble/disassemble the stand when the electrical power is connected.
- It is prohibited to connect/disconnect the components of the stand when the power supply is connected to the electrical network.




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