



XHAUST Product Installation Guide



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Xhaust

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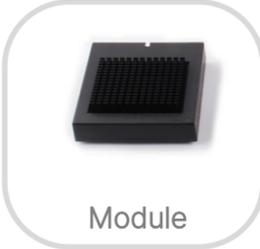
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Components > Product composition

1. After receiving the product, check that all the components for the set are included.

G1 SET

 Module	 Generator	 Main wire	 Long wire
 Download cable	 Small parts	 OBD wire	

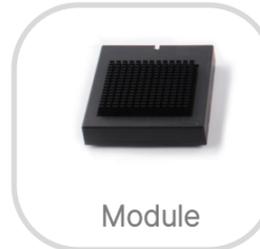
- OBD wires are configured only for the required vehicle types.

G2 SET

 Module	 Generator x2	 Main wire	 Long wire x2
 Download cable	 Small parts	 OBD wire	<p>* OBD wires are configured only for the required vehicle types.</p>

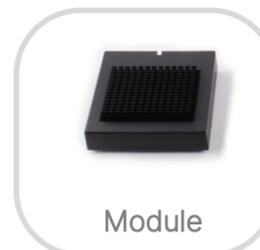
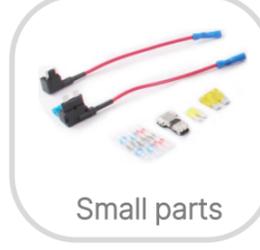
Components > Product composition

G1C1 SET

 Module	 Generator	 CDU	 Main wire
 Long wire x2	 Download cable	 Small parts	 OBD wire

- * OBD wires are configured only for the required vehicle types.

G2C1 SET

 Module	 Generator x2	 CDU	 Main wire
 Long wire x3	 Download cable	 Small parts	 OBD wire

- * OBD wires are configured only for the required vehicle types.

Components > Product details



Module (M)

It uses the vehicle's CAN signal to generate the exhaust sound. Controlled by Bluetooth communication.



Generator (G)

The generator is a full-range unit primarily responsible for the mid-bass range. Can be installed indoors or outdoors. Xhaust's actuator was developed by JSR Performance, ensuring high durability and convenient installation.



CDU(C)

The sub-actuator is a unit primarily responsible for the mid-to-high-pitched area. Mainly installed outdoors, experiencing exhaust sound from heavy to high frequency.



Speaker wire (LW)

Speaker wiring that connects the module to the speaker. It is used in conjunction with the 16P connector, and it is positioned according to the product configuration, so it must be inserted in the marked position.

Components > Product details



Main wire

There is a 16P connector that connects to the control module.



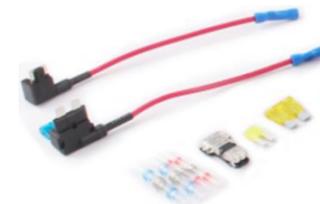
OBD wire

CAN signals are available on OBD on some vehicles. On vehicles with CAN BUS and OBD BUS, it is convenient to use the OBD connector (different from using OBD signals)



Download cable

This is the download cable required when downloading sound. It is a mini-b type usb.



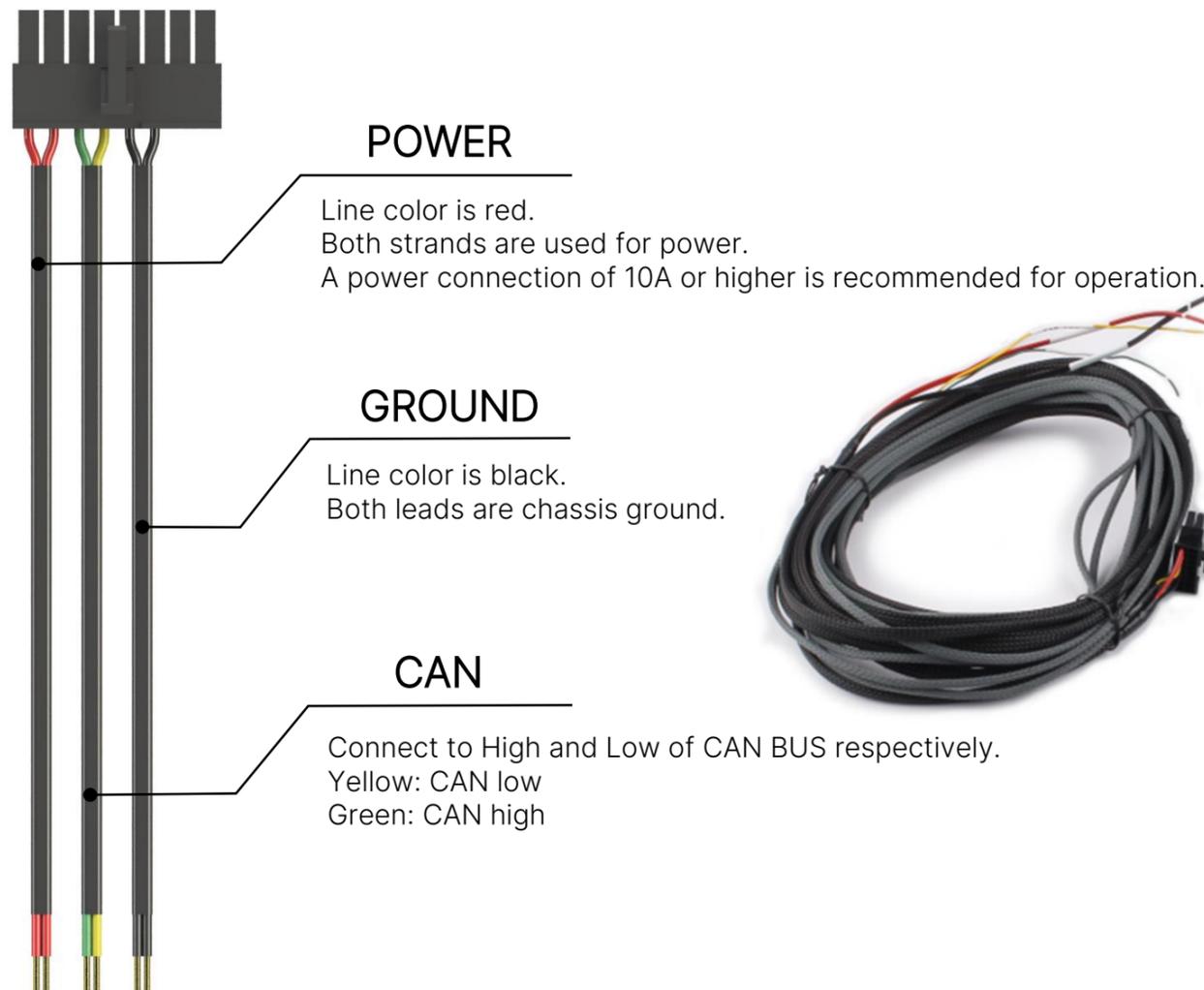
Small parts

These are small parts that help with work. We recommend using the t connector.

Components > Product details

Main wire

This is a 16-pin connector. It is connected to the control module and connects the generator and sub speaker.

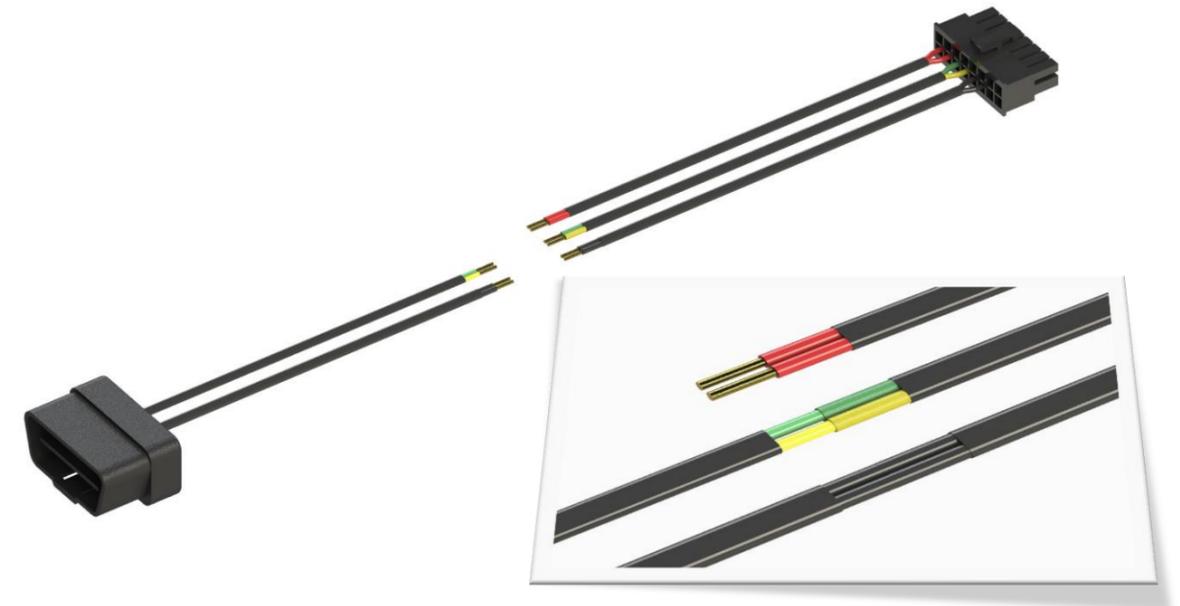


Components > Product details

OBD wire

*** Only vehicles that can use CAN signals from OBD are available.
(Check CAN manual)**

It is used in connection with the 16P main wiring.
CAN Low (Yellow) <-> CAN Low (Yellow)
CAN high (green) <-> CAN high (green)
Ground <-> Ground

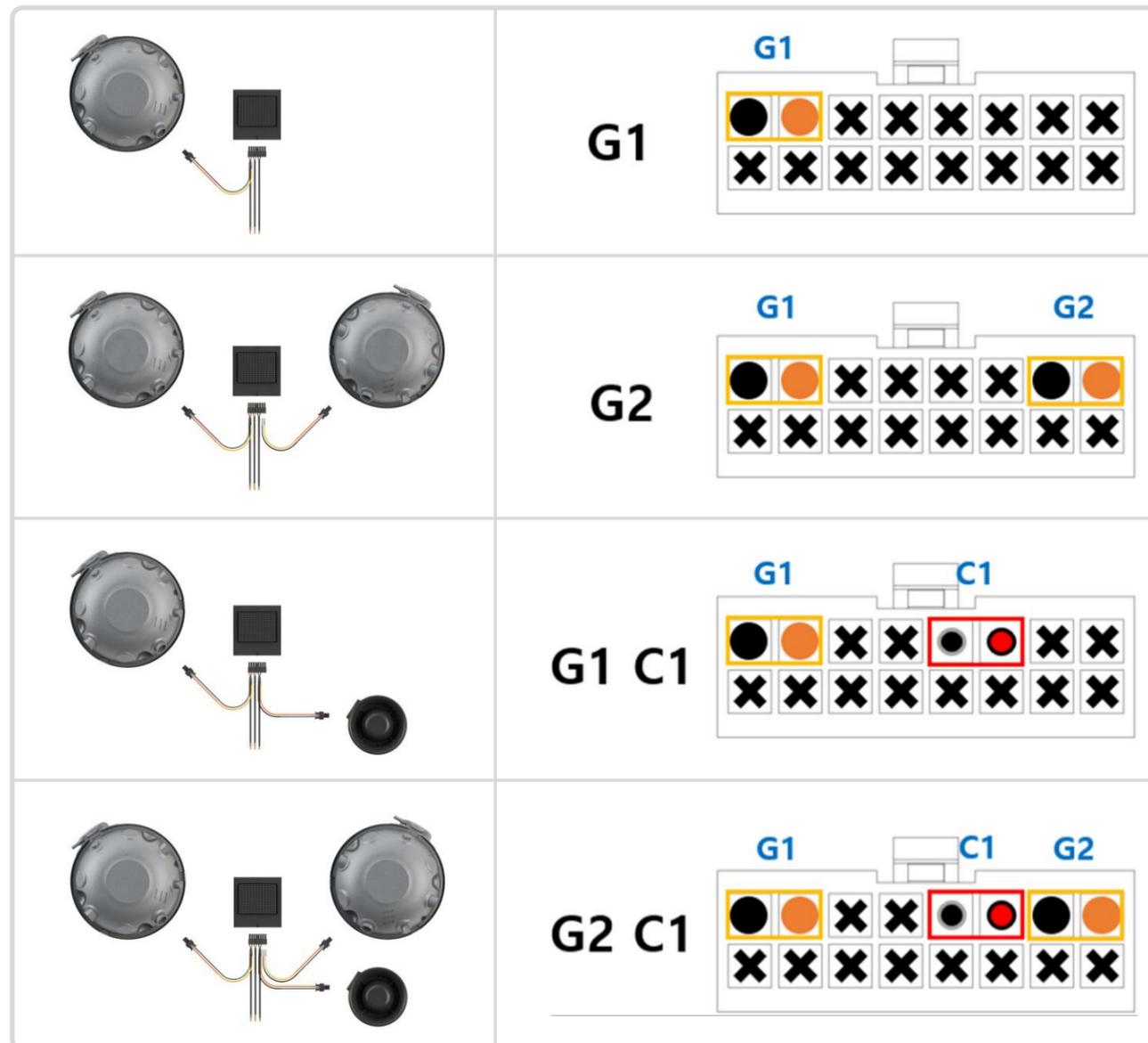


CAN wiring must not be shorted to each other. You must associate the same colors with each other.

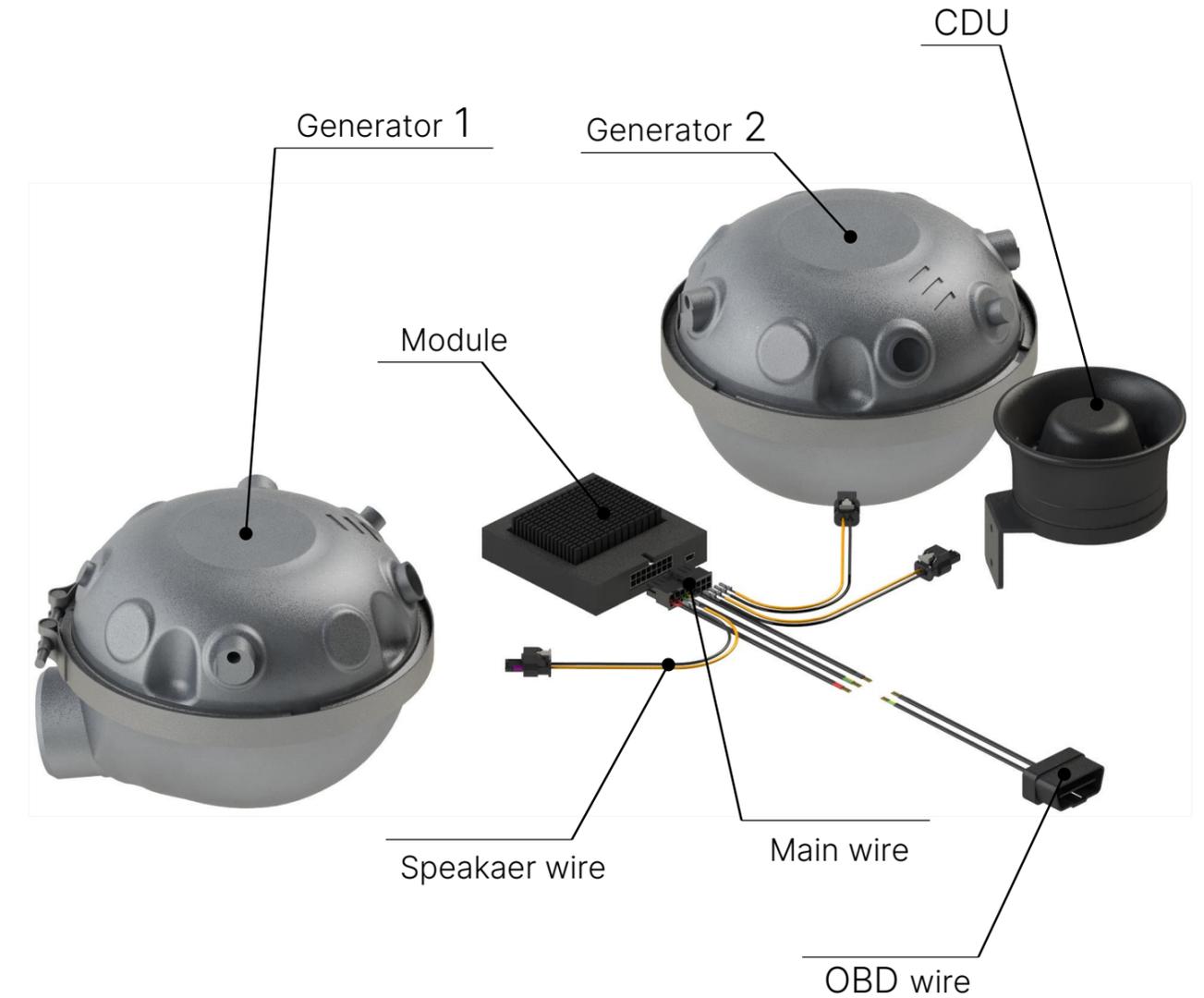
Components > Product details

Speaker wire(LW)

The position is determined by the configuration of each actuator (generator, or sub-speaker). You must insert it in the correct location.



Components > Product details



Product installation > pre-test

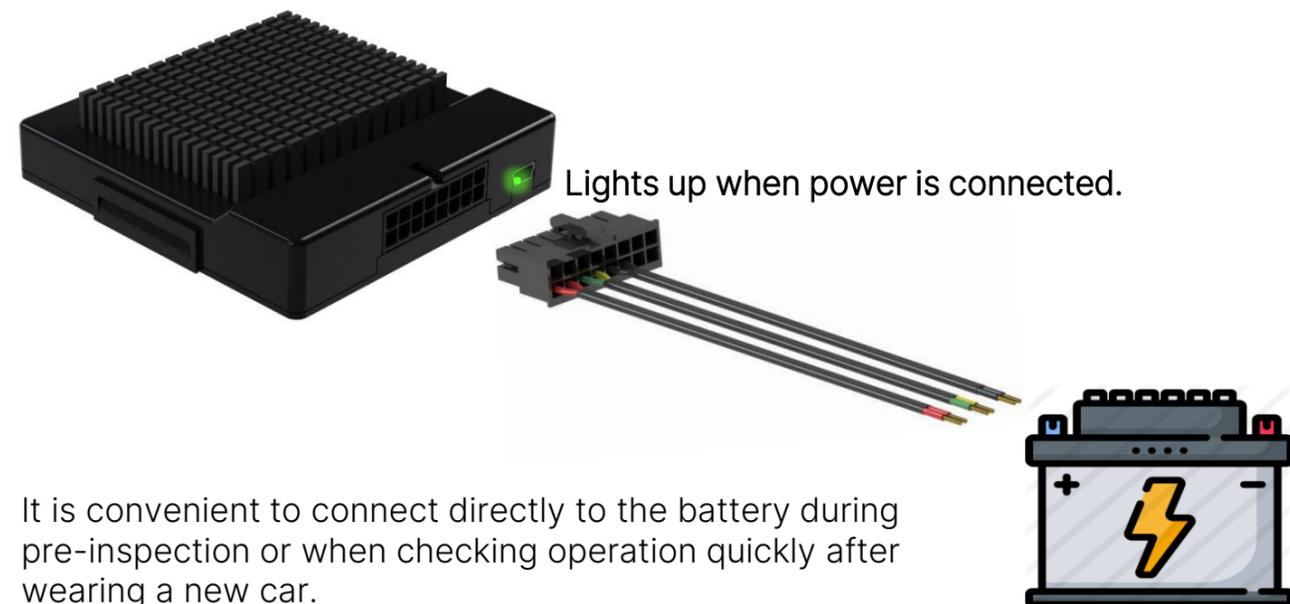
Pre-test

In order to proceed with a pleasant installation, it is recommended to test the product in advance, if possible, to check whether there is a problem with the product before the vehicle is received.

At the head office, all products are inspected in advance before shipping. However, product damage or defects may occur during transportation or due to various issues, so you must inspect it in advance before installation.

1. Simple product connection

Insert the main wiring 16p connector into the module and connect it directly to the battery.



Product installation > pre-test

2. Vehicle's CAN wiring

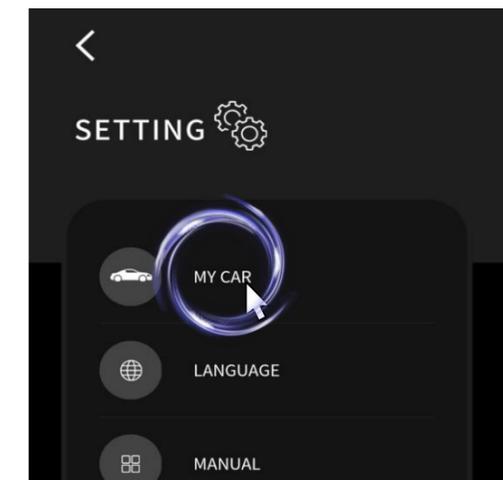
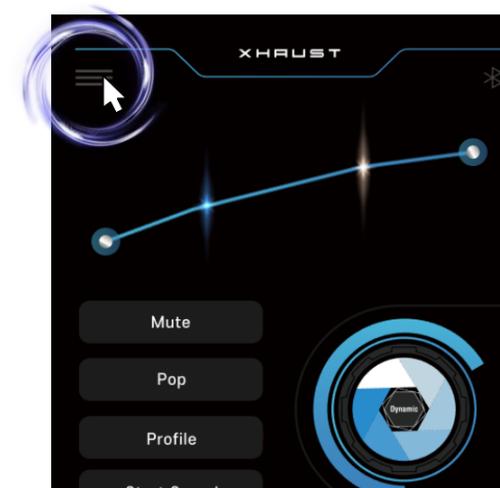
Connect the two CAN wirings of the vehicle to the green (High) and yellow (Low) of the XHAUST main wiring respectively.

(Simple installation is possible using an OBD wire, as some models become a CAN BUS signal from OBD.)

*** For vehicle CAN wiring location information, refer to the CAN manual.**

3. app settings

- Download the app.
- Sign up and log in.
- Select vehicle type.



4. Check product operation

Sound check

Check if there is an exhaust sound after the start sound from the speaker when starting up.



LED check

When starting up, check that both types of LEDs are turned on.



● Lights up when power is connected.

● Lights up when connected to CAN BUS.

The blue LED will not light up if the vehicle is not connected to the correct CAN BUS.

5. Problem solving

connection part

Check whether the LED of the module is turned on or not. (Green-Power / Blue-Communication)

Check if the 16P connector is well connected to the module.

Check that the connector of the speaker wiring is well connected to the speaker.

Check if the HIGH and LOW of the CAN BUS are connected in reverse.

Please find the correct CAN BUS line.

APP settings

Select the type of vehicle, the type of vehicle to be installed, and the fuel type.

Make sure it is not in MUTE state.

Try the Bluetooth pairing process again. After completely logging out of the app, log in again to pair with the module.

Your mobile phone must be connected. If the Bluetooth of the previously used smartphone is activated, the smartphone is connected with priority, so the Bluetooth of the previously used mobile phone must be turned off.

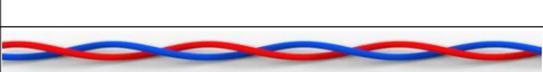
Product installation > CAN signal

CAN signal

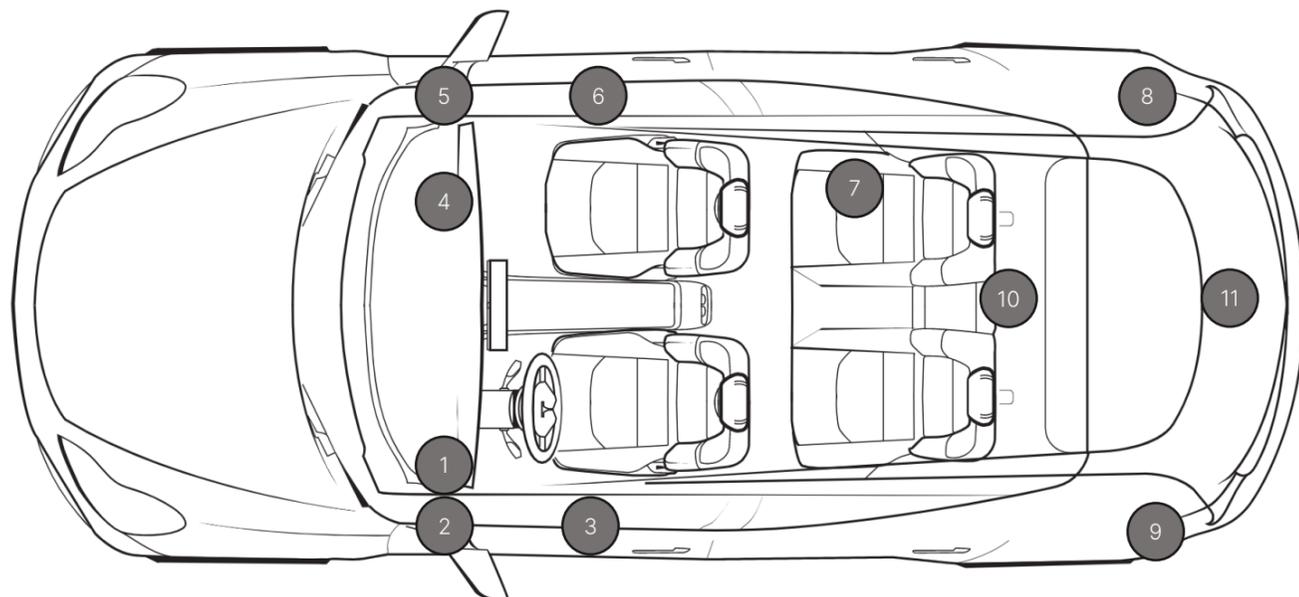
1. Characteristics of CAN wiring

- It's twisted into a two-strand spiral.
- Several wires are mixed together.
- Wiring thickness varies.
- The wiring color is either a combination or a single.

Example)

combination: green lines (hee/seconds)	
Combination: Blue line on white background (white/green)	
Single: All blue / All red	

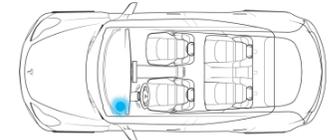
2. Location of CAN wiring



Product installation > CAN wiring location

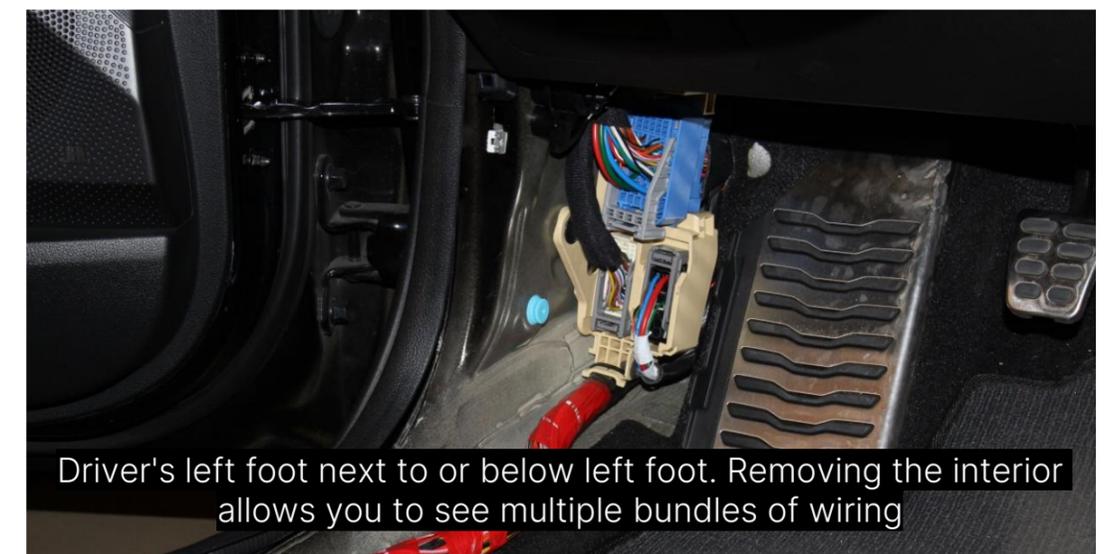
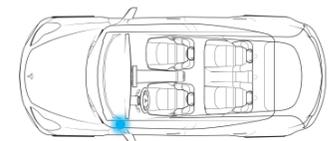
1

OBD connector (including ground)



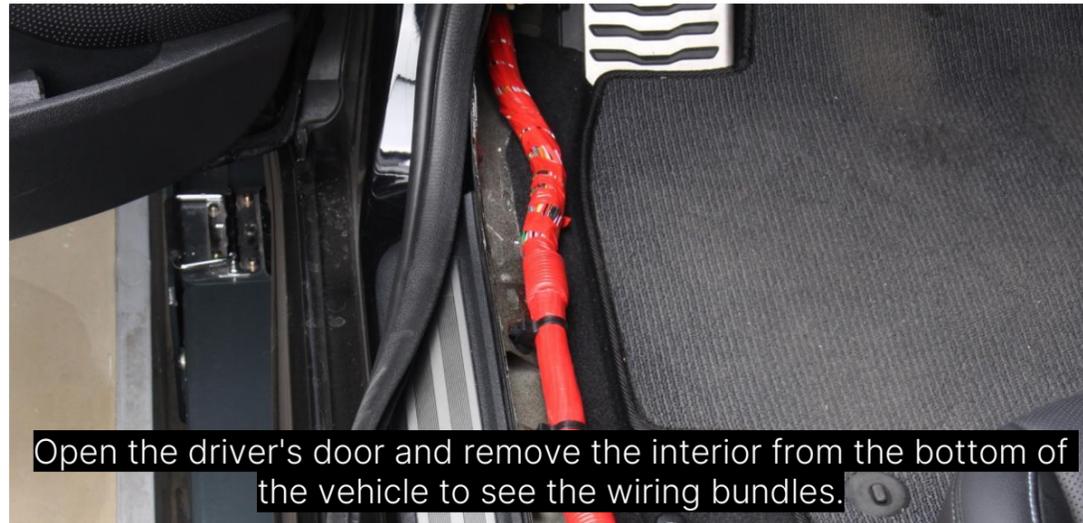
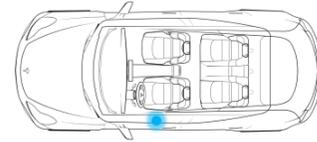
2

Driver's seat front pillar bottom trim

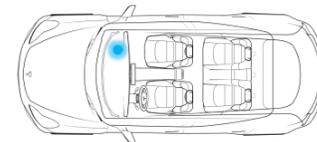


Product installation > CAN wiring location

3 Inside the driver's door step

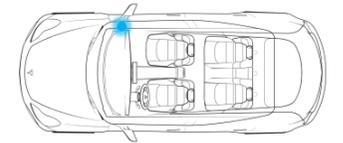


4 Inside the cover above the passenger's footrest

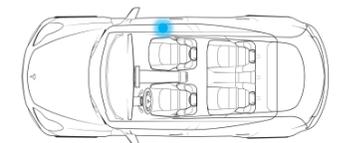


Product installation > CAN wiring location

5 Passenger's front pillar lower floor trim

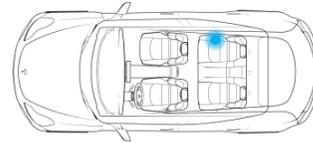


6 Passenger's door step inside

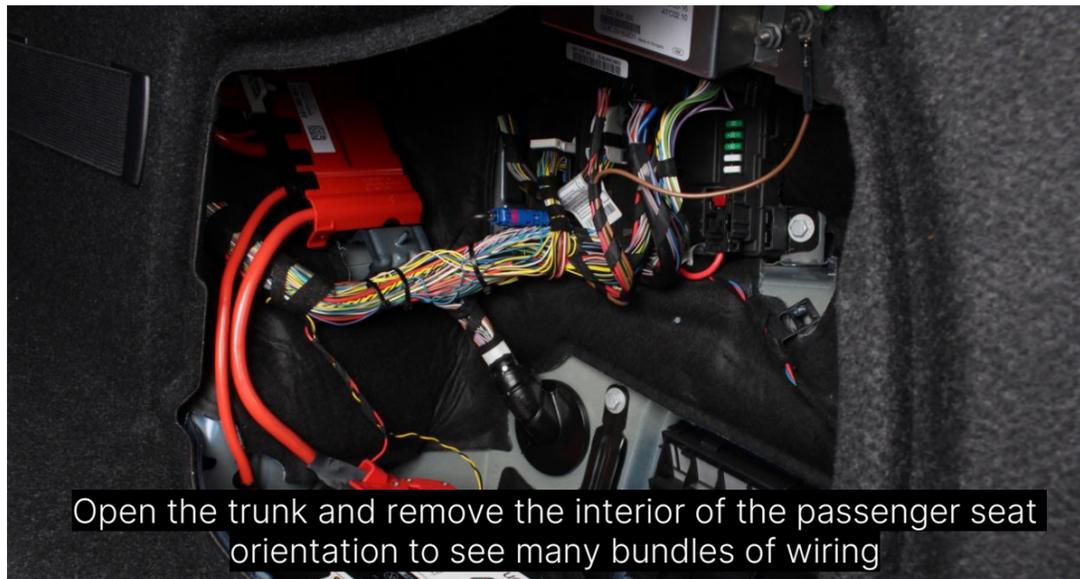
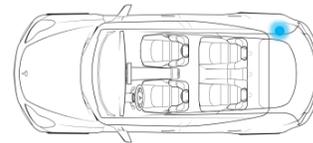


Product installation > CAN wiring location

- 7 Under the passenger's facing rear seat

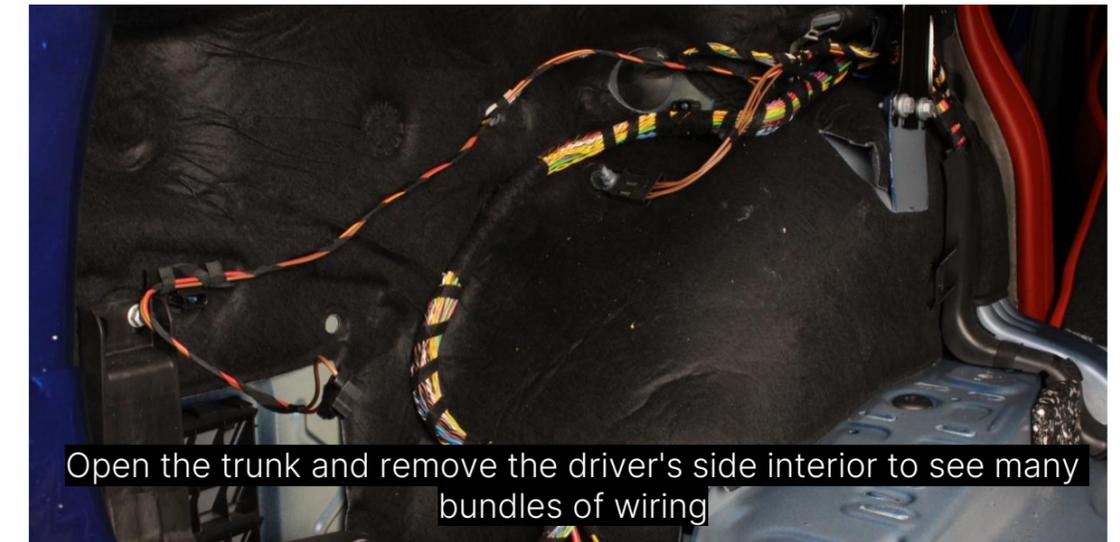
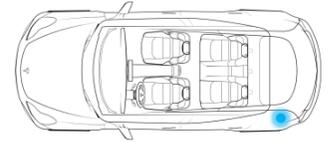


- 8 passenger side direction trunk interior inside

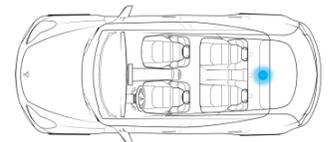


Product installation > CAN wiring location

- 9 Inside the driver's side trunk interior

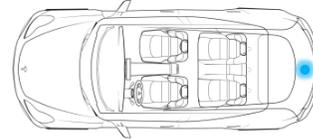


- 10 Rear seat rear Direction on trunk floory



11

Trunk floor bumper orientation



3. Precautions for CAN wiring work

- Use a stripper to strip the sheath of the CAN cable and then connect it.
(The CAN line must never be disconnected. If it is disconnected, be sure to connect it with a lead dam.
must be insulated.)

The provided T-tap connector is used to finish after checking the CAN cable.

(After connecting the CAN cable, the confirmation process such as sound check and LED lighting should be prioritized.)

POWER

1. Power (+)

1) The line color is red.

It consists of 2 basic strands, and you need to gather the 2 strands and connect them.

2) Must be connected to ACC power.

IG1, Cigar Jack, etc. Incoming power when KEY ON

If possible, a power supply of 10A or more (to prevent shutdown and malfunction)

3) Connect to a power source with a small voltage drop.

A relay must be used when the voltage drop during cranking is small and the power is less than 10A.

4) Connecting to a constant power source can cause battery discharge.

2. Find your vehicle's power source

1) Vehicle Power OFF

After turning off the engine of the work vehicle, make sure the vehicle is completely powered off.

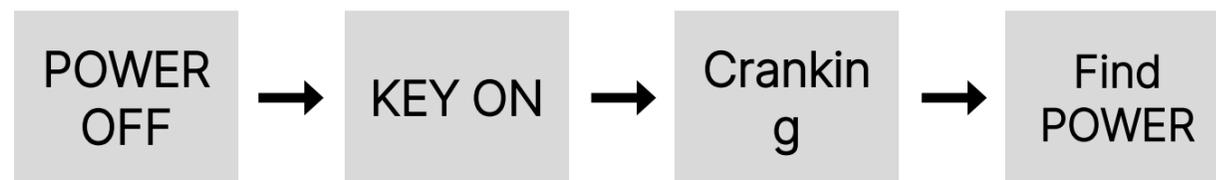
The assistant sits in the driver's seat and waits for instructions from the operator.

2) Find the permanent power source and exclude it.

After removing the cover of the vehicle's indoor fuse box, the worker applies a lead rod and tongs to the protruding part of the fuse with a multi-tester & tongs-type continuity tester to find a constant power source and exclude it from the power list first.

3) Voltage drop test

Perform the voltage drop test among the remaining power sources except for the permanent power source.



POWER OFF

In some models, such as BMW and Benz, the power may not be completely cut off when the ignition is turned off, but may be cut off over time. Be sure to check whether the power is cut off when the ignition is off.

KEY ON

After placing the tester's lead bar and tongs on the protruding part of the fuse, instruct the assistant to turn on the vehicle key. (Tester's buzzer sound and LED lighting are maintained)

Cranking

At the same time as cranking, if the tester's buzzer sound and LED lighting are maintained without interruption or weakening, the voltage drop is small.

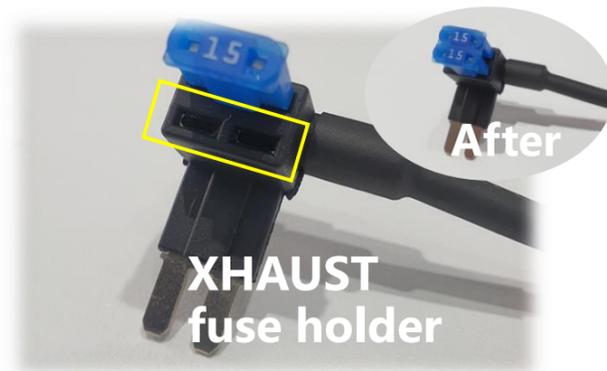
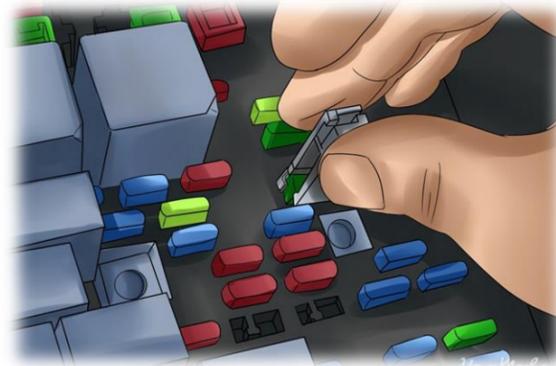
Find POWER

Repeat until you find a power supply with a small voltage drop among fuses with a capacity of 10~15A.

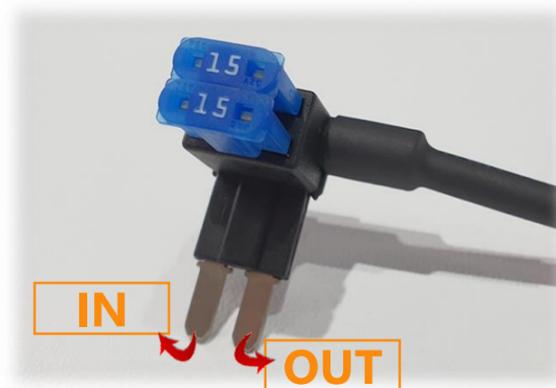
(If not found, it is recommended to use a relay <4P or 5P> with a fuse of less than 10A.)

4) Using a fuse holder

Remove the fuse installed in the vehicle.

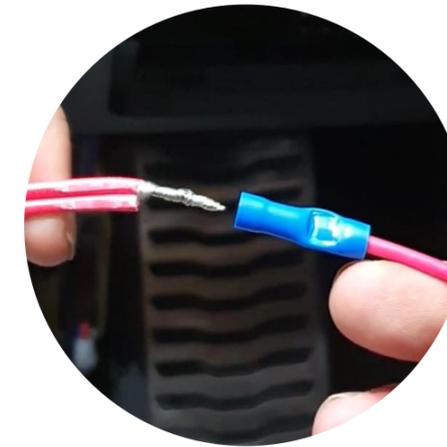


Insert the removed fuse into the blank.



If you put a scaled genuine fuse in the In/Out direction of the vertical holder, it will be fixed again in the removed position.

5) Wrap-up



1, After bridging 2 power wires into 1 wire, insert it into the fuse holder connection terminal.



2. Pinch the terminal part with a tool such as a long nose.



3. Remove the fuse from the original position and insert it into the empty space of the fuse holder.



4. Finish by inserting the fuse holder into the removed seat.

Ground connection

1. Ground

1) Line color is black.

It consists of 2 basic strands, and you need to gather the 2 strands and connect them.

2) Do not connect the ground cable of other products.

Do not bridge the (-) wiring used by other products.

3) Do not connect directly to the (-) terminal of the battery.

4) Ground with a genuine bolt suitable for grounding, and avoid areas with paint.



5) It is recommended to use a crimp terminal terminal.



Frequently Asked Questions

1. Module LED

1) The power (green LED) does not turn on.

RE: The green LED on the module doesn't light up? Check that the vehicle's power supply and module connector are connected without problems, and if the problem is not resolved, contact the installation agency to have the product checked.

2) CAN signal (blue LED) does not turn on.

RE: Module's blue LED doesn't light up? The module does not receive vehicle signals. In this case, it can be solved by connecting a CAN cable suitable for the vehicle.

2. Bluetooth connection

1) When running the APP, the module search screen does not move to the next screen.

RE: Have you checked that the vehicle is in KEY ON & Ignition ON status? If the module is powered off, the module cannot be discovered and the app cannot be used.

2) The module cannot be searched even when the vehicle is turned on.

RE: After disconnecting and reconnecting the smartphone's Bluetooth connection. SCAN -> Repeat the SCANNING process.

3) Multiple codes are detected during module search.

RE: If you have multiple Xhaust modules connected around you, both can spawn. Power off all modules other than the one you intend to use.

3. APP

1) Please tell me how to sign up and use the app.

RE: Download the APP MANUAL (PDF) in the data room of the xhaust.kr homepage. You can get all the information you need from the manual.

2) Unable to log in.

RE: Please enter your ID or password correctly.

All IDs must be entered in email format. (ex: xhaust@naver.com)

3) I installed used equipment, can I just download and use the APP?

RE: After selecting used equipment in the APP membership sign-up window, sign up for membership -> log in and use.

4) Find your email and password

RE: There is no way to find the email, so you need to re-register after contacting the Kakao Channel (xhaust).

If you have forgotten your password, click Forgot Password in the login window to have a new password issued to your current email address.

4. Product installation (CAN)

1) Can't use OBD without CAN wiring work?

RE: Some vehicles can use CAN BUS signal in OBD. In this case, it is possible to install simply using dedicated OBD wiring without CAN wiring work. (OBD-compatible vehicles can be found in the CAN manual.)

2) There is no sound even though the CAN wiring is connected according to the manual.

RE: If the blue LED doesn't light up, you need to find another CAN wiring and if the LED lights up, you need to select your vehicle model in the app. (Check all models when selecting a vehicle model) If the problem is not resolved, you need to find another CAN wiring.

3) There is no sound even though the blue LED is on.

RE: Even if the blue LED is turned on, the CAN wiring is not unconditionally correct.

There are cases where there are several of the same color, so look for CAN wiring as a thin wire.

4) The manufacturer of the installation vehicle is not listed in the CAN manual.

RE: It is a vehicle that has not yet been developed, and when the vehicle is received, the head office reads the vehicle signal remotely and informs whether it can be developed.

Please contact the head office. (Kakao Channel: xhaust)

5. Sound update

1) How do I update the sound? Need to visit a mounting point?

RE: Disconnect module -> Connect PC -> Run DLP program -> Update sound
For more information, please see the video on how to update the sound on YouTube Xhaust official channel. Anyone can easily update it, so try it yourself without visiting the store.

2) An error window pops up saying 'Could not access the sound group'.

RE: This is an error message that occurs when the file name uploaded to the server and the file name set in the module do not match. Re-downloading the new file will fix the problem.

3) Can't I update with my smartphone?

RE: Updating is not possible with a smartphone, and a PC or laptop with Internet (WIFI) is required.

4) I do not know the download program login ID and password.

RE: Just enter the email address and password you used in the Xhaust app.

5) I am unable to log in to the program even though I have entered the correct email and password.

RE: Try logging out of the app and logging back in. If this does not solve the problem, disconnect the XHAUST module from the PC and connect it again.

6) The sound list disappeared from the download program server window.

RE: The download program (DLP) version has been updated since the release of the 3rd new sound source. Please download and use version 1.0.10 from the homepage data room.

7) After updating the sound, the tail lamp image does not change in the app.

RE: Force closing and restarting the XHAUST app will fix the problem.

6. Sound error

1) START SOUND does not occur when vehicle is started.

RE: You need to solve the vehicle power supply with no voltage drop. Check the power and grounding manual.

Temporary workaround: Shorten the time and check KEY ON -> START.

(Start after stepping on the pedal and KEY ON, not the method of START while stepping on the brake pedal in the past)

2) POP SOUND does not occur.

RE: Please make sure POP is enabled within the APP. (POP menu must be activated on the main screen.)

The door occurs only when the accelerator is pressed at or above the event level. Keep pressing the accelerator.

If the problem has not been resolved, there is a high probability that it is a problem with the power supply or vehicle signal itself, so please contact the ordering agent.

3) No sound occurs.

RE: Check the module LED part, and if there is no problem, check the vehicle model selection and MUTE activation in the APP.

If the problem is not resolved, please contact the installation agency for A/S.

7. A/S

1) What is the A/S period?

RE: Product A/S is 6 months from the date of installation. The remaining warranty period and A/S schedule can be checked at the installation agency.

2) Is it not possible to receive A/S for used equipment?

RE: Used products are not subject to free A/S. Paid A/S is available at all XHAUST agencies.

3) How much is the repair fee for paid A/S?

RE: Your installer or XHAUST dealer will give you a detailed price after diagnosis.

4) Is free A/S available only at the initial installation location?

RE: Yes, free A/S is available only at the initial installation point.

5) Where can I get free after-sales service if the initial installation point is no longer operating?

RE: In this case, it is possible to connect the A/S company close to the headquarters, but free A/S is not possible.



Thank you.



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