



MBUX NTG7 Video in Motion Module

Installation manual

Revision 0.1

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www.carsystems.com.ua

WARNING

Qualified personnel with experience in automotive electronics, who are conversant with safety measures related to the use of electrical equipment, and who are conversant with the contents of this manual are allowed to work with the Module.



BEFORE INSTALLING THE MODULE, IT IS NECESSARY:

- 1. LET THE CAR FALL ASLEEP;**
- 2. PULL OUT THE IGNITION KEY FROM THE IGNITION;**
- 3. PUT THE IGNITION KEY AWAY FROM THE CAR;**
- 4. DISCONNECT THE POWER TERMINALS FROM THE CAR BATTERY (FOR YOUR SAFETY DURING INSTALLATION).**

Any access to the internal part of the Module, inside the case, will lead to the loss of the factory warranty. If your Module needs repair, please contact us and we will assist you (**Our support contacts**).

The manufacturer is not responsible for damaged equipment during the installation of the Module, or during the operation of the Module, as well as material, moral damage, or loss of health.

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1. Preface

This manual contains a Module installation guide and will help you to install the **MBUX NTG7 Video in Motion Module** (hereinafter **Module**).

1.1. Audience

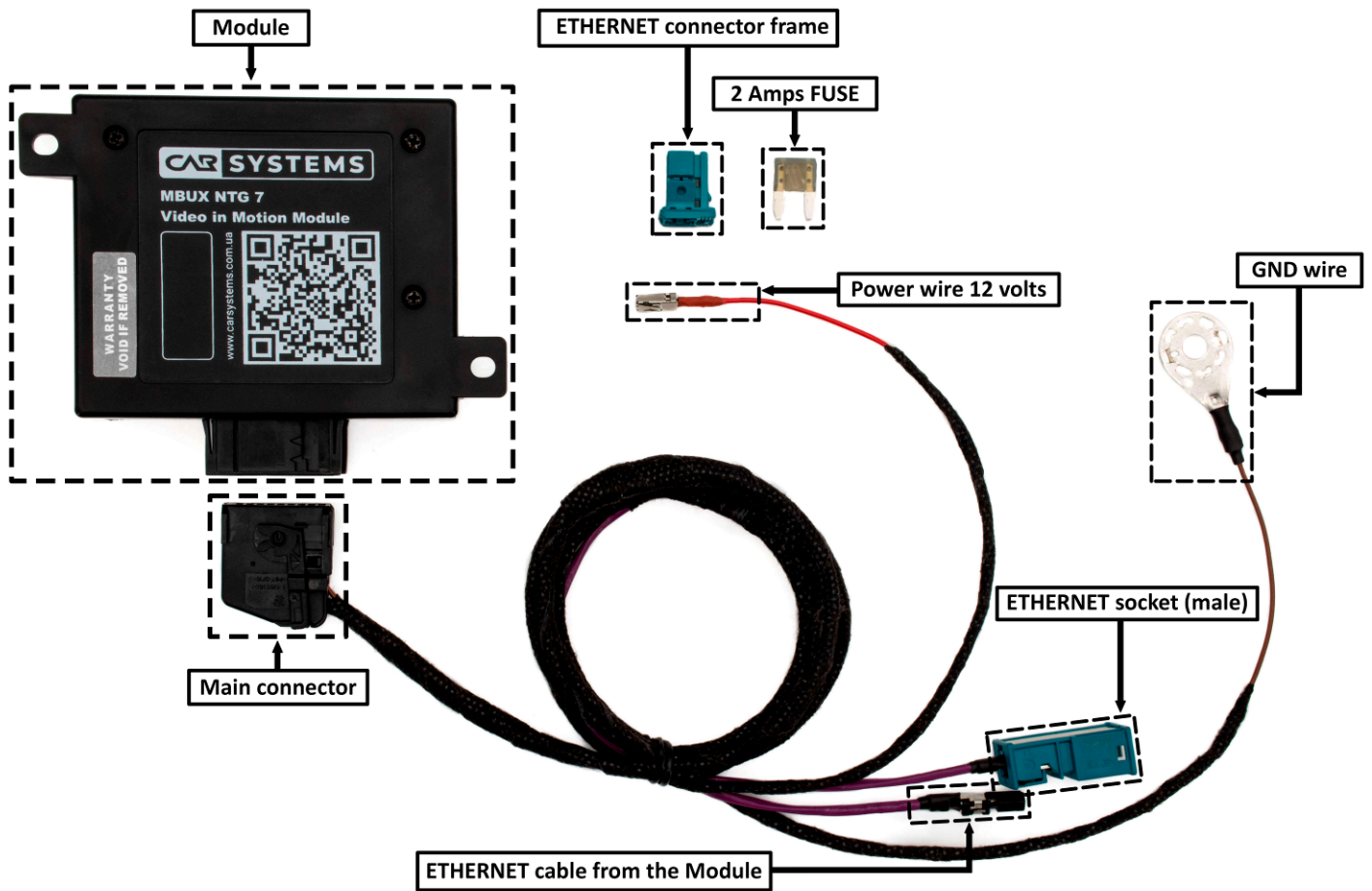
The document describes **Module** installation procedure and is intended for customers, partners, and employees of CarSystems.

This document provides instructions and graphics needed for the install **Module**.

1.2. Pre-installation skills

This document assumes that you already familiar with automotive electronics, have knowledge and experience in this field. Advanced car diagnostic skills are welcomed.

2. Delivery kit and appearance



Picture 1 Delivery kit and appearance

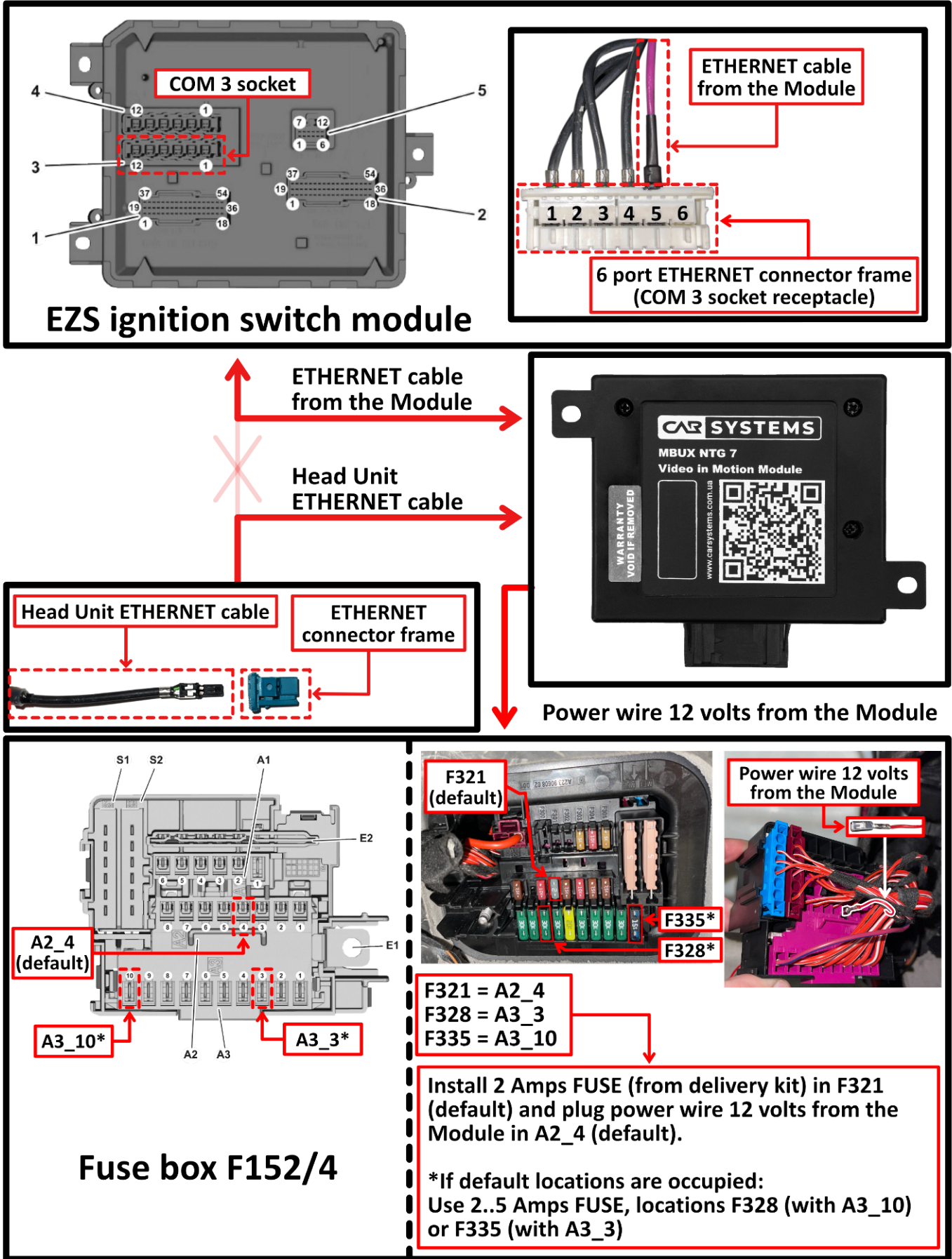
- Delivery kit:
 - **Module;**
 - Main connector;
 - ETHERNET connector frame;
 - 2 Amps FUSE.

3. Location of the elements for Module installation



Picture 2 Elements location for **Module** installation

4. Connection diagram



Picture 3 Module connection block diagram

5. Installation process

5.1. Dismantling of interior elements to install the Module

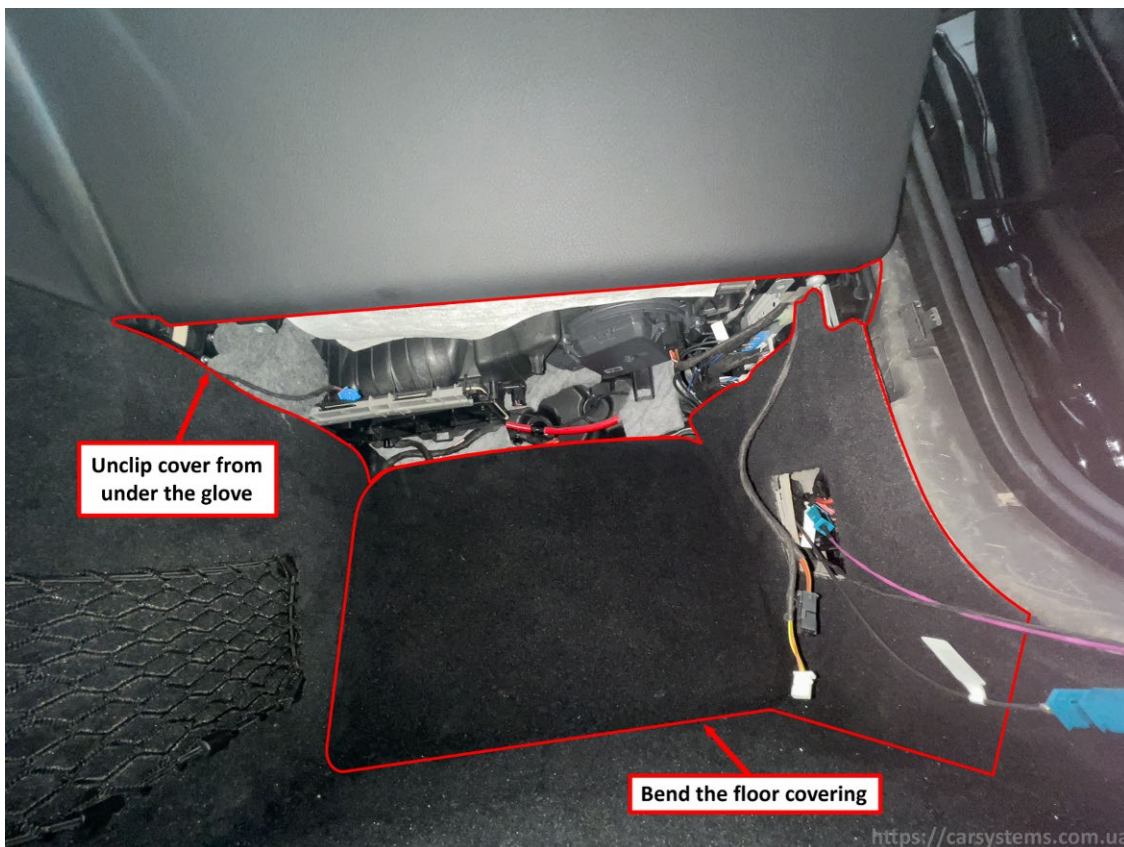


Picture 4

Detach driver's seat and tilt toward rear. Loosen the edge guard in the area of the cover and remove the cover. Remove front door sill molding.

To remove door sill molding, you need to put the hand to the gray strip on the larger part and bend it towards you until a short click is heard.

Unclip the cover from under the glove box and bend the floor covering (**Picture 5**).



Picture 5



Picture 6

Unscrew the screw/bolt (Picture 6).
Connect **GND** from the **Module** to vehicle.

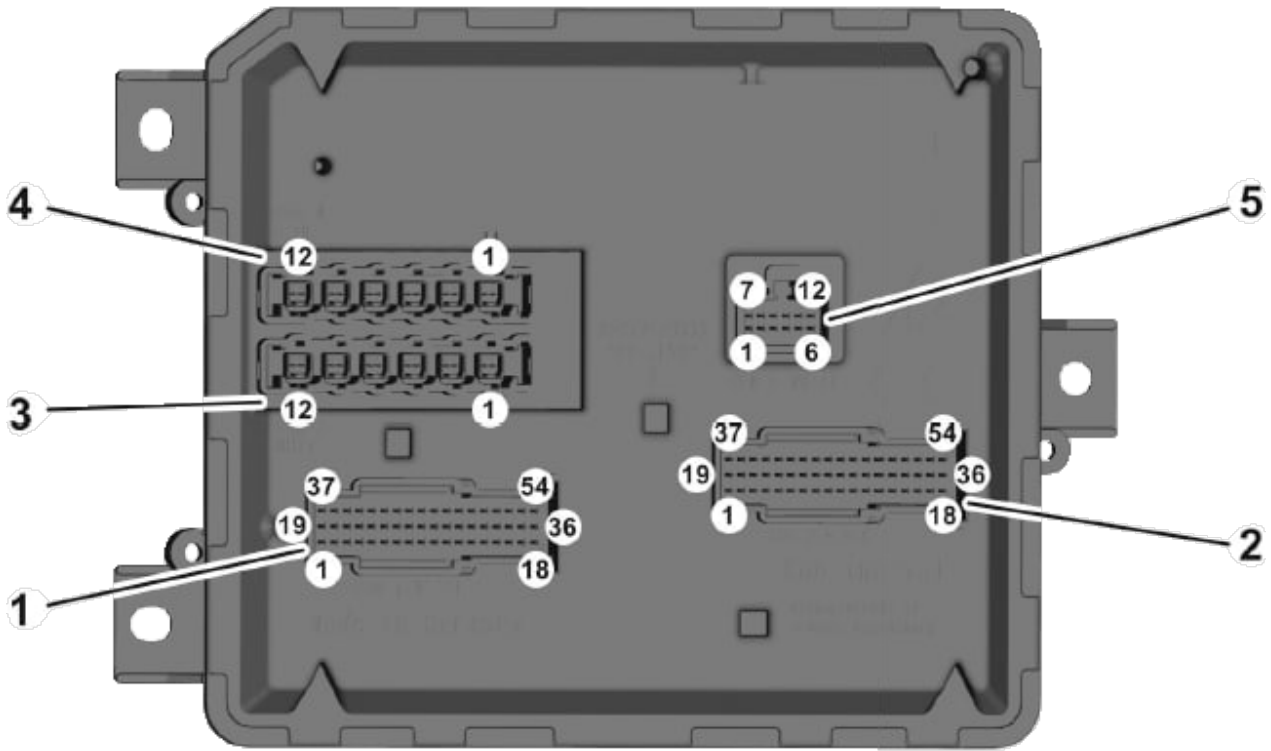
5.2. Installing the Module

5.2.1. Connecting the Module to the EZS ignition switch module

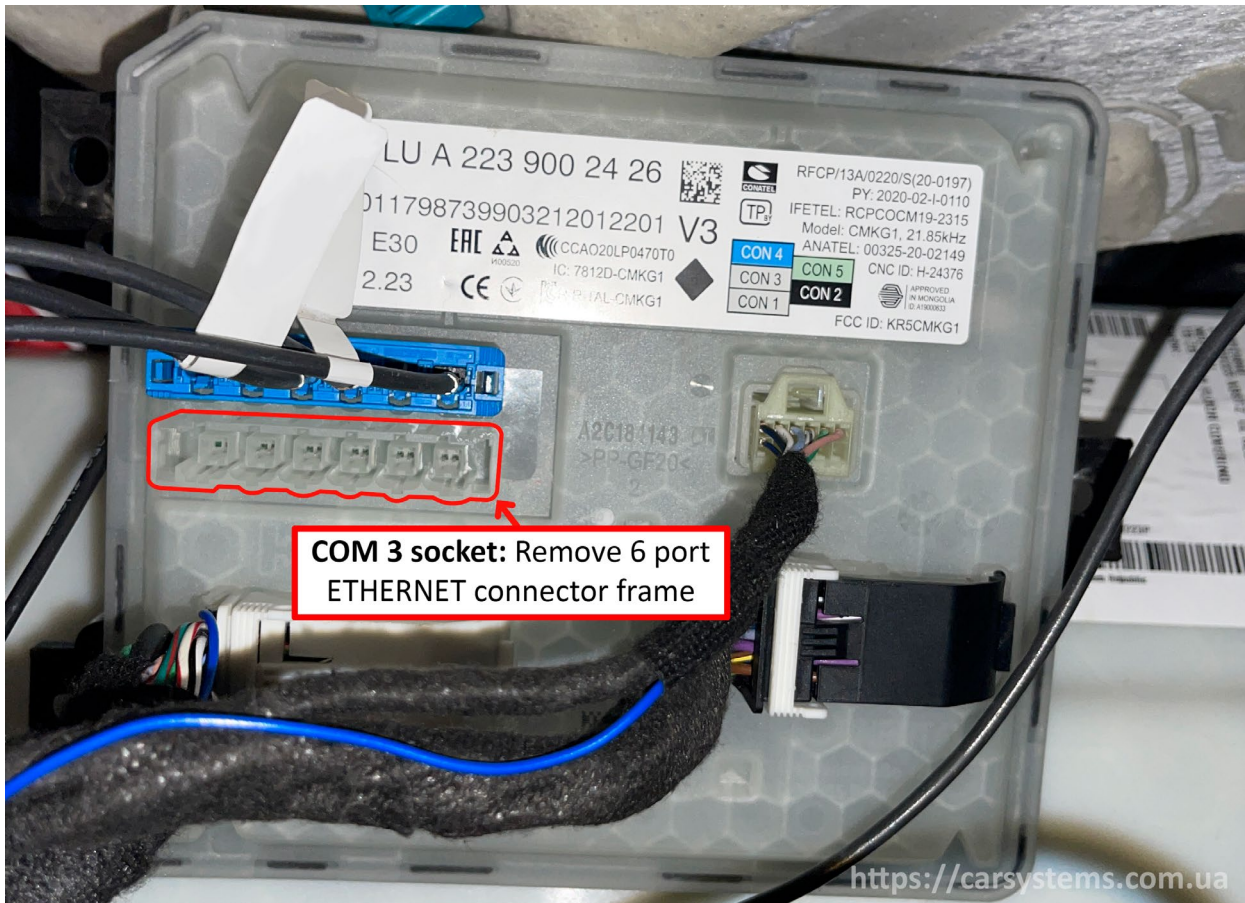


Picture 7

Unclip **EZS ignition switch module**: press on the highlighted part (**Picture 7**) and pull down **EZS ignition switch module**.

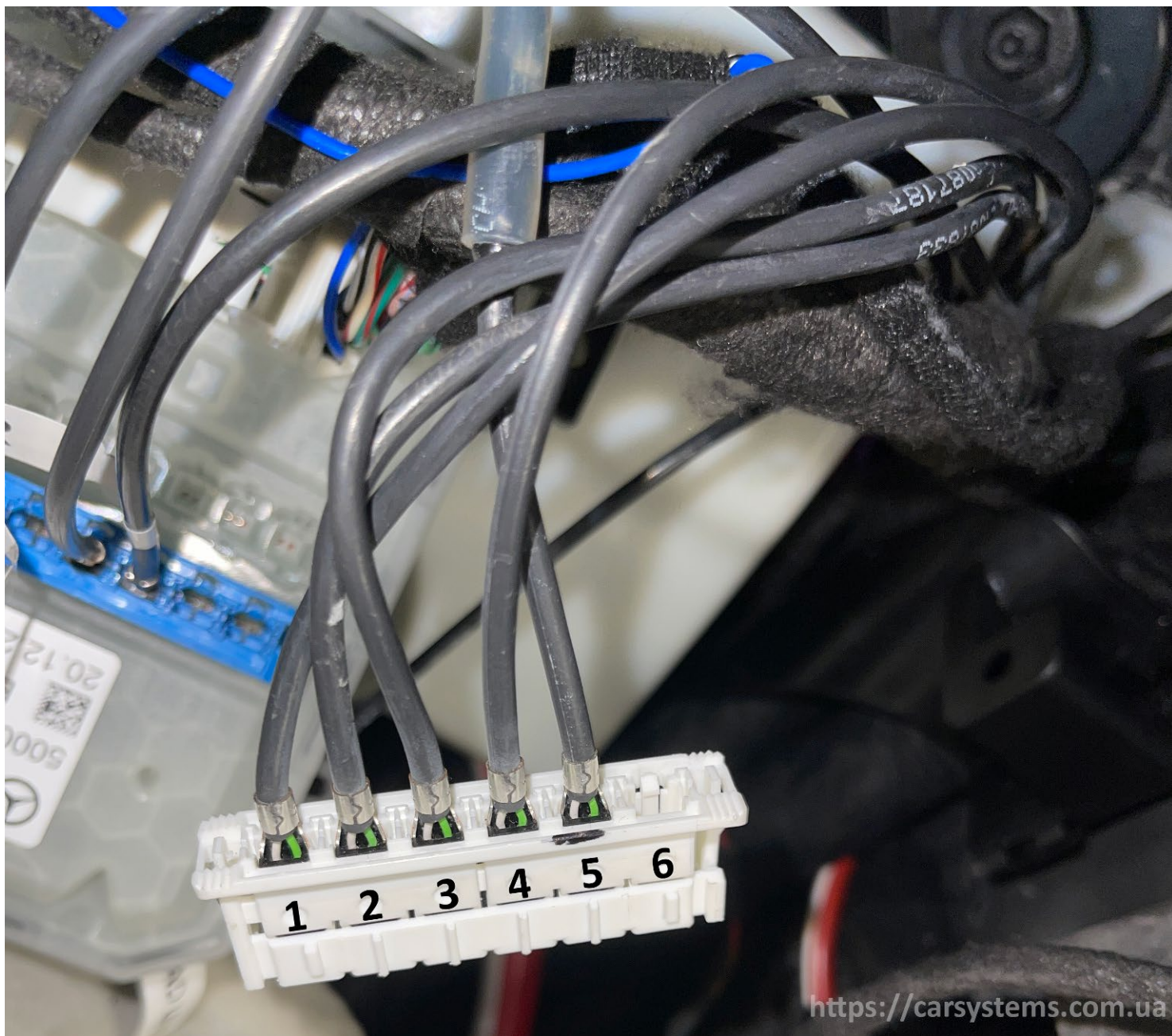


Picture 8 EZS ignition switch module connectors locations

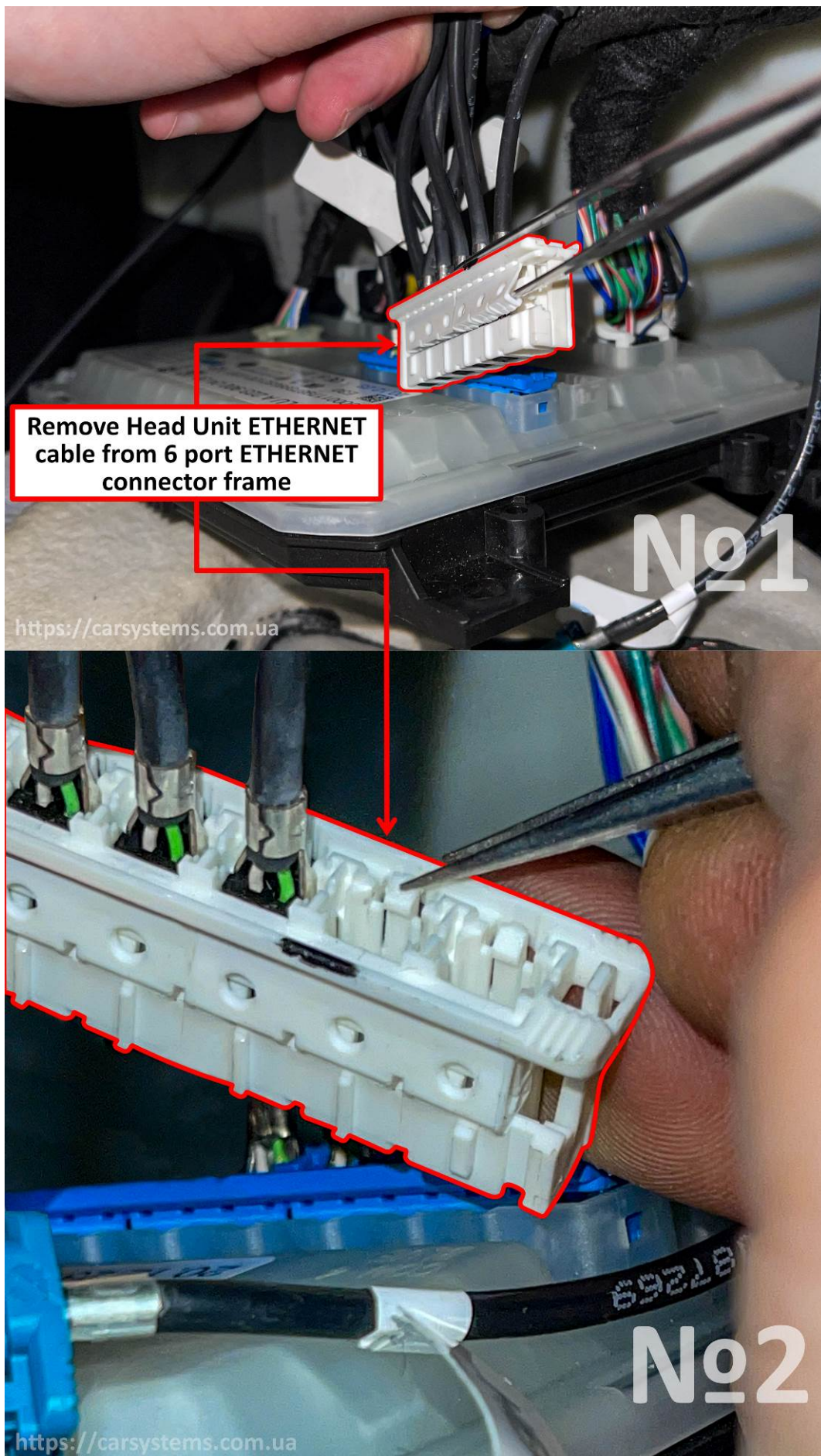


Picture 9

Remove **6 port ETHERNET connector frame** from COM 3 socket. Its location is highlighted in **(Picture 8)** under number 3 and **(Picture 9)**.

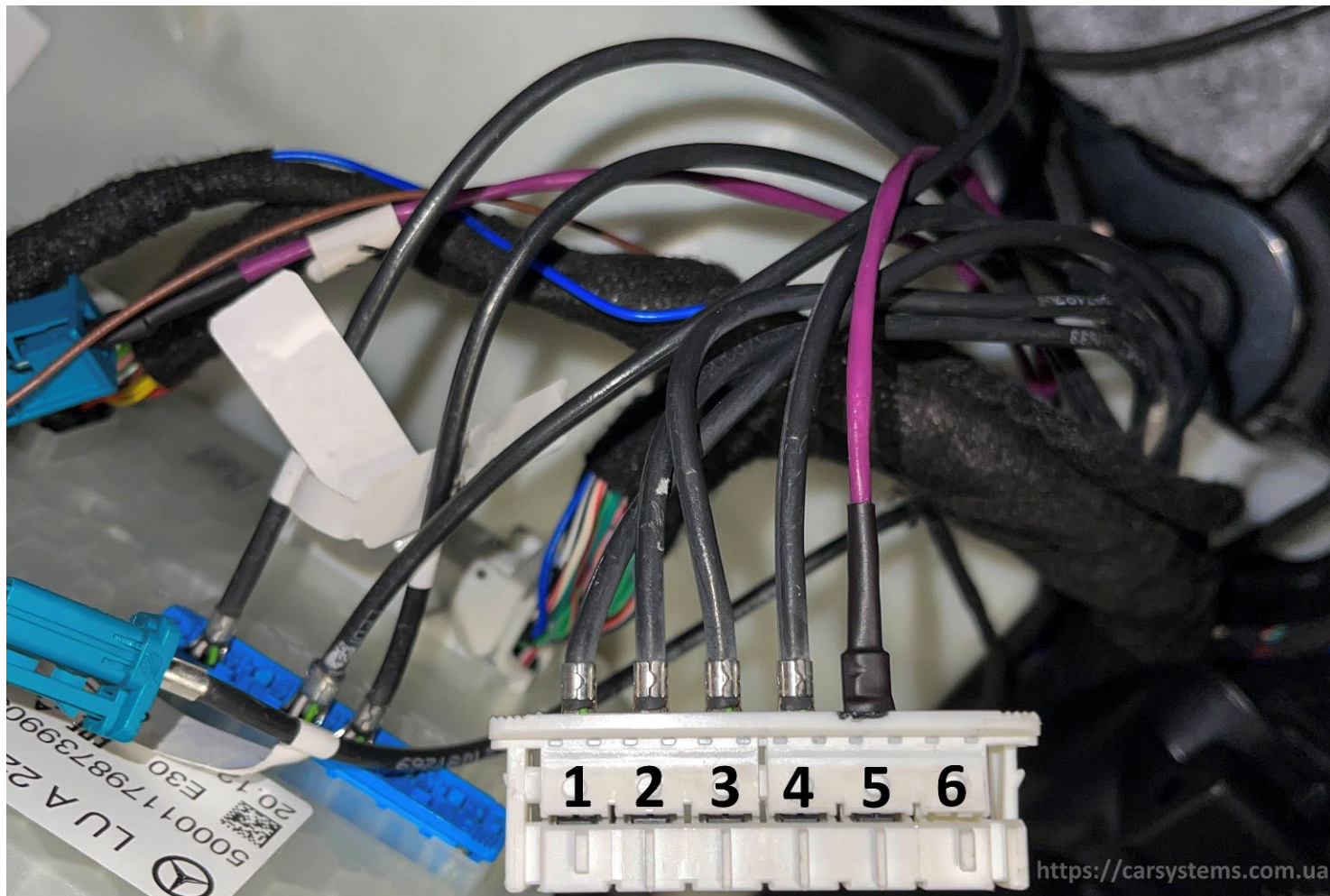


Picture 10 6 port *ETHERNET* connector frame port numbering



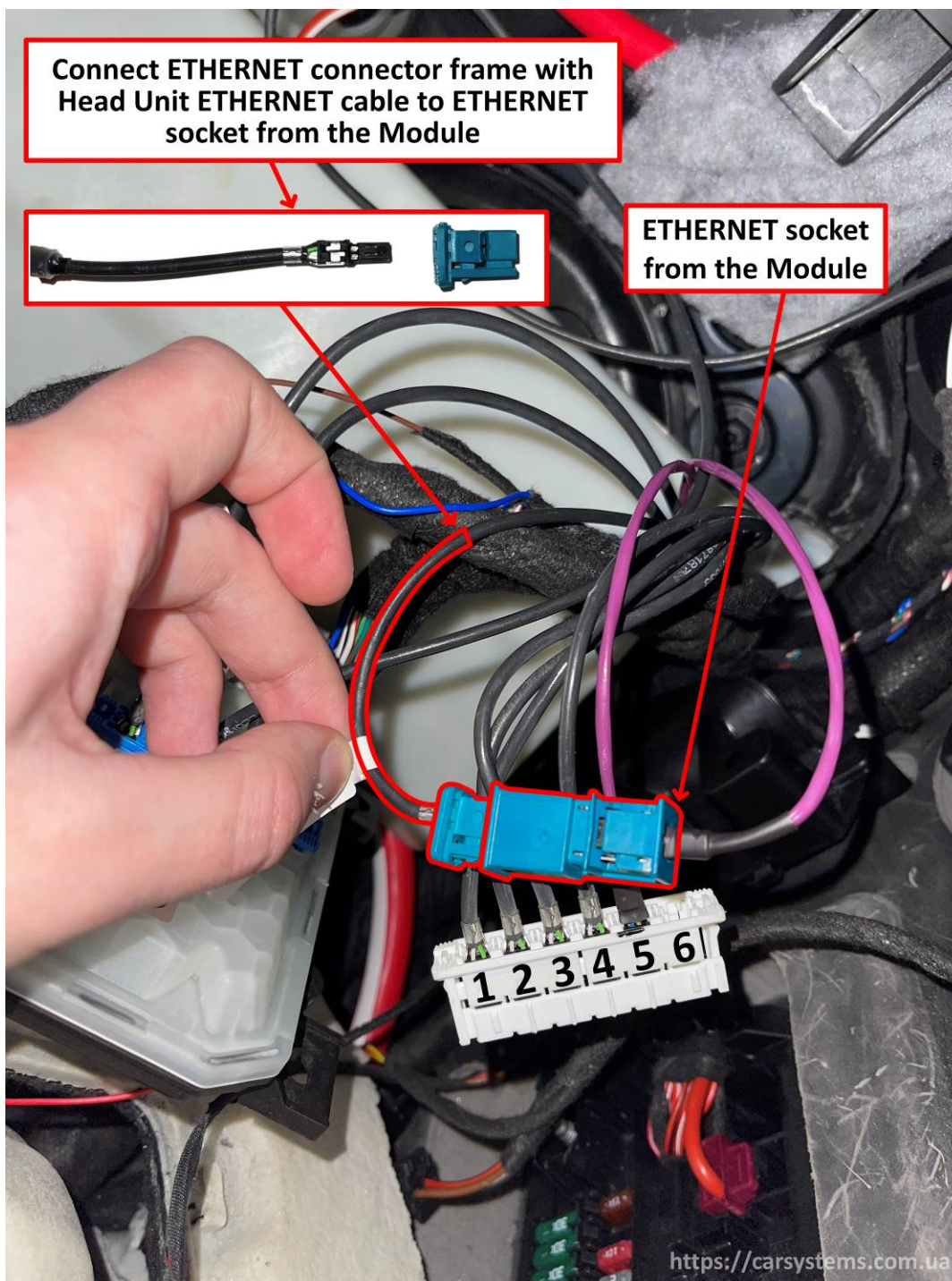
Picture 11

- Remove **Head Unit ETHERNET cable** from **6 port ETHERNET connector frame**:
 - Remove the locking bar: use tweezers to bend the plastic on the plugs as shown in **(Picture 11 №1)**;
 - Remove **Head Unit ETHERNET cable** from position slot 5 in **6 port ETHERNET connector frame**: use tweezers to bend the plastic blocker as shown in **(Picture 11 №2)**.



Picture 12

Connect **ETHERNET cable** from the **Module** to **6 port ETHERNET connector frame** to position slot 5 **(Picture 12)**.

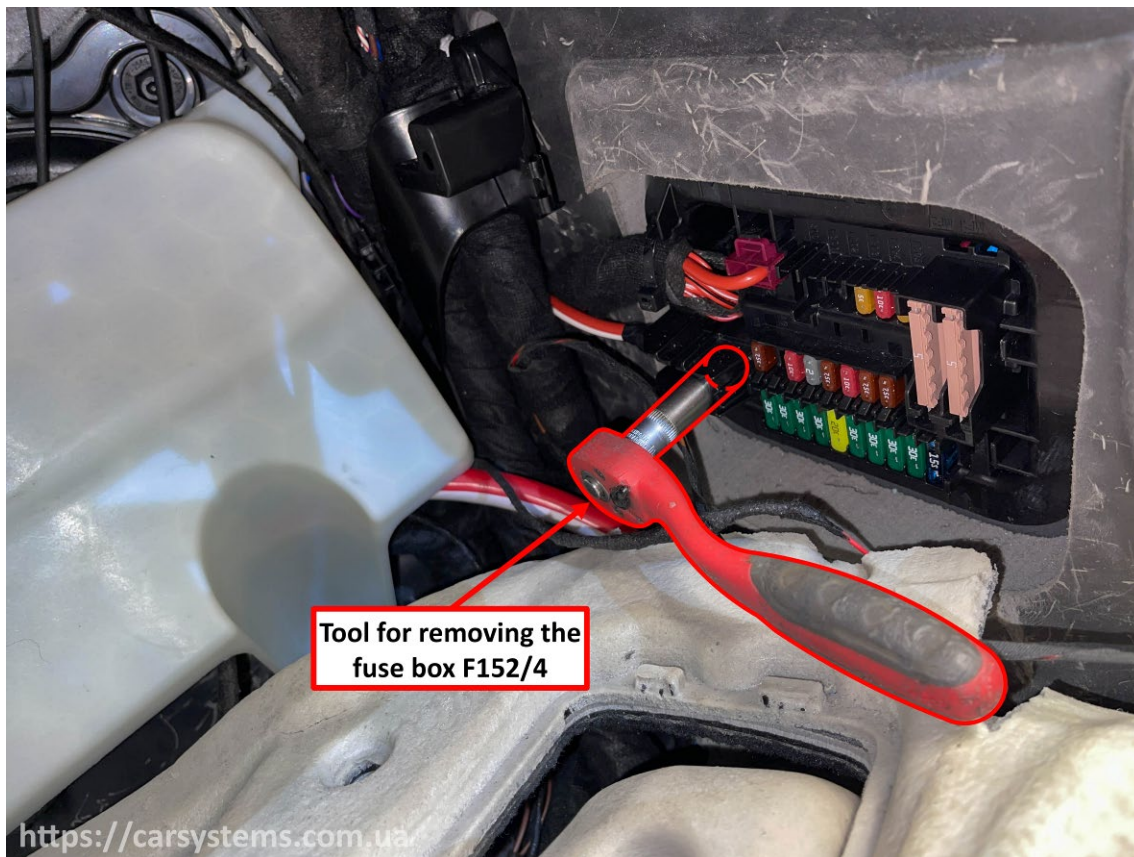


Picture 13

- **Connect Head Unit ETHERNET cable to ETHERNET socket from the Module:**
 - **Fix Head Unit ETHERNET cable in ETHERNET connector frame;**
 - **Connect ETHERNET connector frame with Head unit ETHERNET cable to ETHERNET socket from the Module;**
 - **Install EZS ignition switch module in its location (Picture 2).**

5.2.2. Connecting power wire 12 volts from Module to fuse box F152/4

Cut off the plastic tie and unscrew the screw of the power terminal

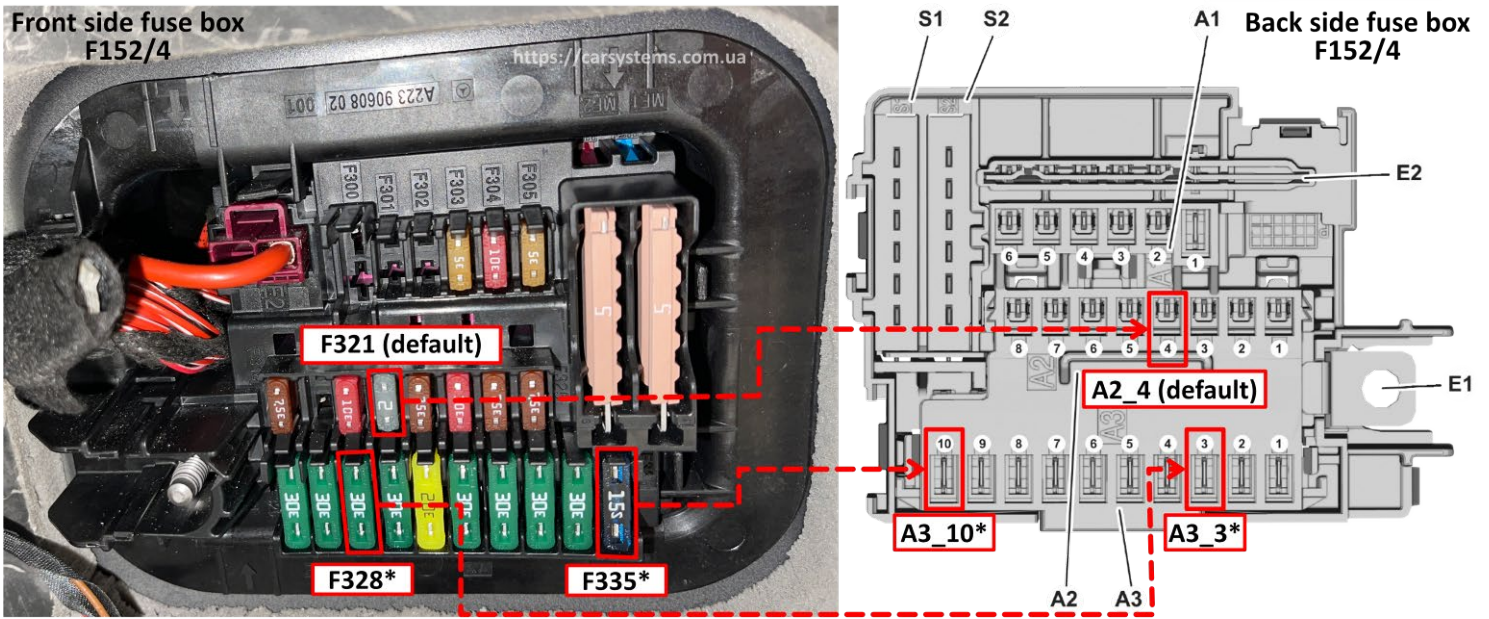


Picture 14

Remove the **fuse box F152/4**.

Tool: Simple loop is small.

1/4 in. (4-14 mm.) socket head.

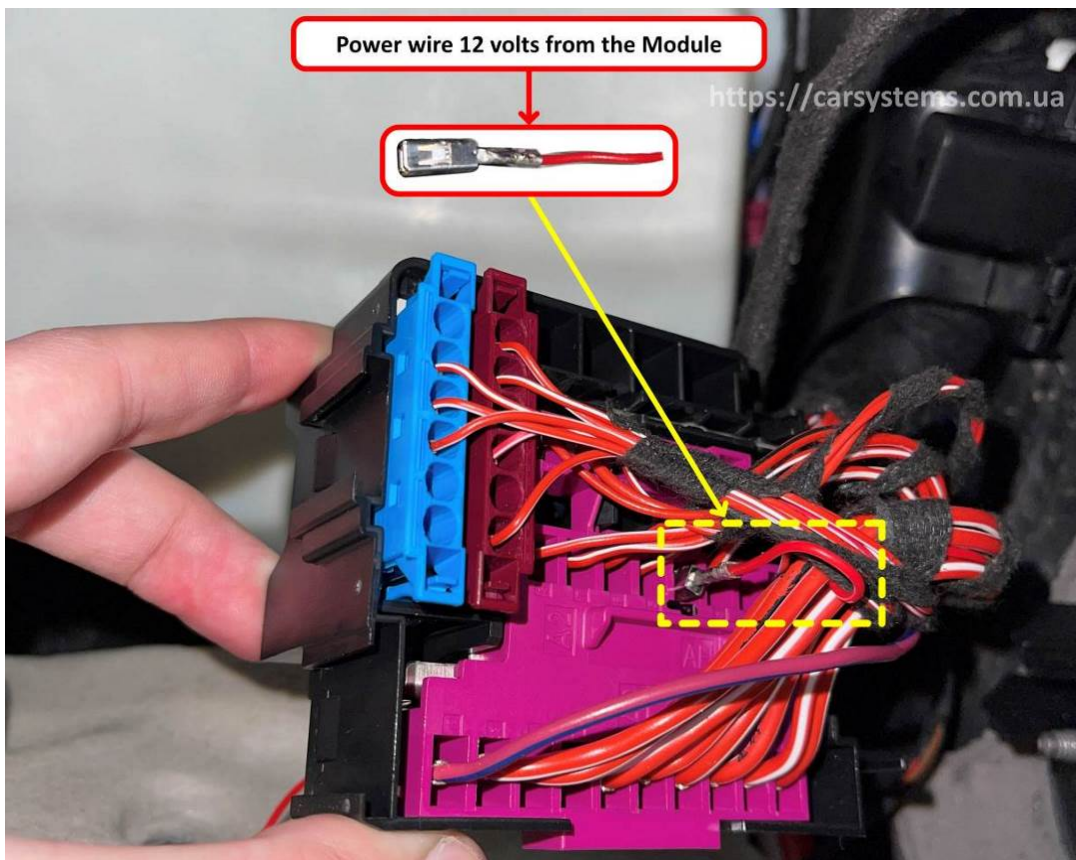


Picture 15 Front side and back side fuse box F152/4

Install 2 Amps FUSE (from delivery kit) in F321 (default) and plug power wire 12 volts from the Module in A2_4 (default).

*If default locations are occupied:

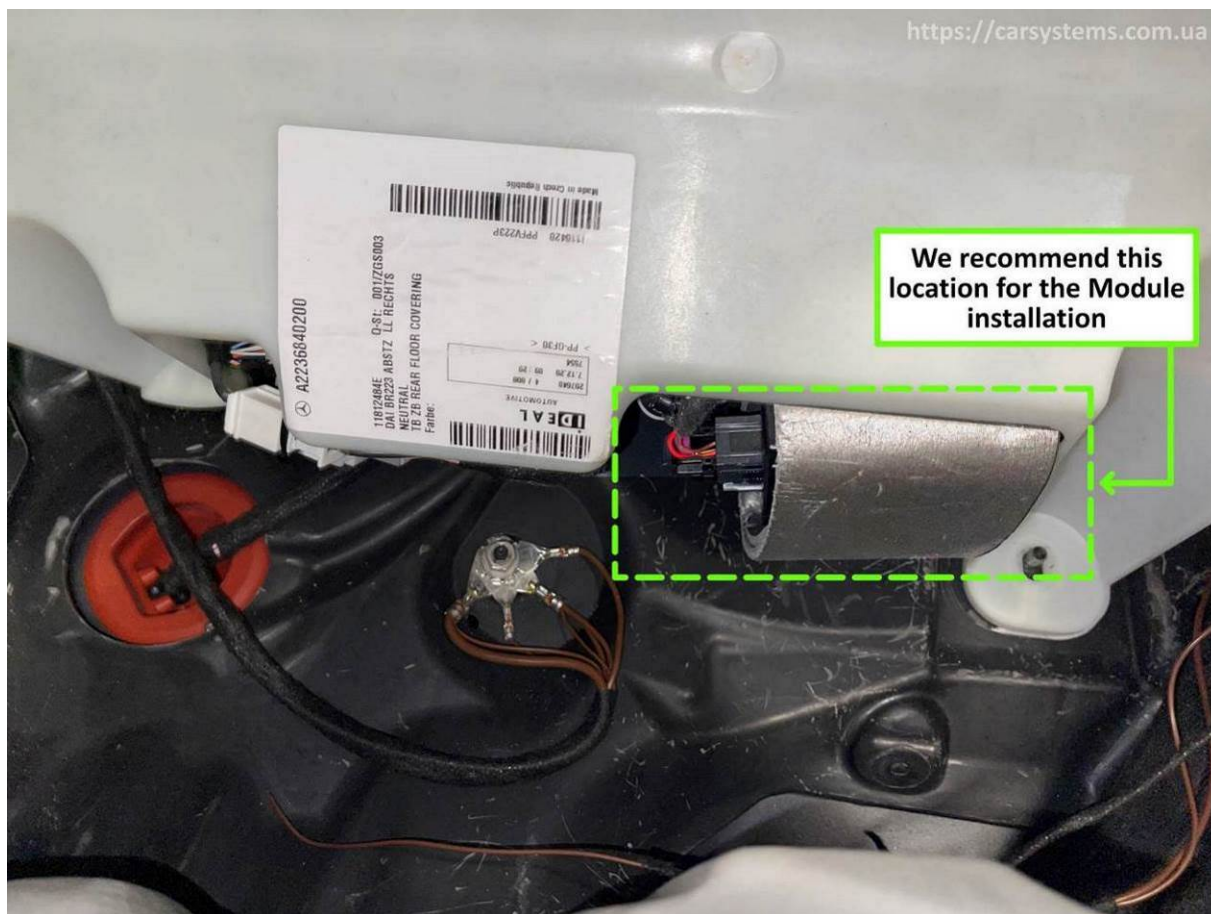
Use 2..5 Amps FUSE and locations F328 (with A3_3) or F335 (with A3_10).



Picture 16 Power wire 12 volts from the Module install

Install the fuse box F152/4 back to its location (Picture 14) and tighten the screw.

5.3. Module location



Picture 17

6. Our contacts



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Skype: [carsystems.support](https://www.skype.com/add?contact=carsystems.support)



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Telegram: [@CarSystems_Support](https://www.telegram.com/add?contact=@CarSystems_Support)

We provide technical support during working hours: From Monday to Friday (except public holidays). From 10:00 to 19:00 (UTC +2:00).

Due to the increase in the number of unsolicited e-mails, we have strengthened our protection against spam. If your letter has not been delivered, please contact us via Skype or via the request form on our website <https://carsystems.com.ua/contacts/>.

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