

## Installation manual

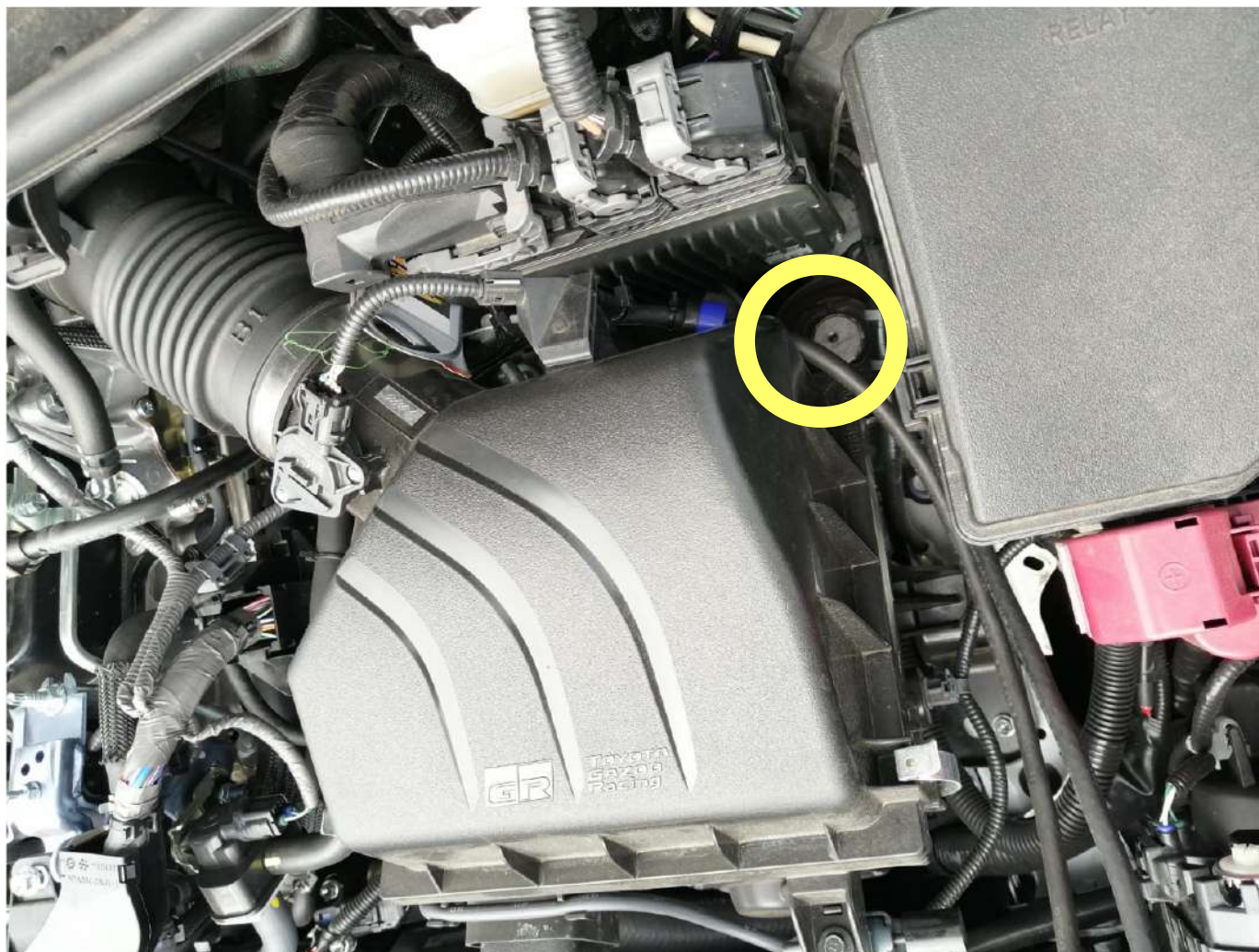
### Valve control system GR Yaris

Please study the whole document before starting the installation, verify whether your received installation kit is complete and whether you have all required tools, materials and skills to proceed. (the full set photo located at the end of the manual)

1. Main module pictured below to be installed as per the photos on page 2, 3



2. Mounting of the main module in the highlighted spot  
(right hand side of the air filter box)





2.1. Mounting of the main module in the highlighted spot (right hand side of the air filter box)

- a) you might want to remove the air filter box - additional video available at: <http://bit.ly/GRVC001>
- b) correctly connect the provided vacuum tubing to the module (photos below, note the blue valve as the reference)
- c) tighten the module in the indicated spot with a screw provided in the set (photos below)



3. Connect the negative pressure using supplied tubing set and t-shaped connector to car's factory vacuum tubing (cut the factory tubing and provide an air tight connection as per the picture below + pictures on page 5, 6)

– PLEASE NOTE THE ENGINE'S TOP COVER IS UNINSTALLED.

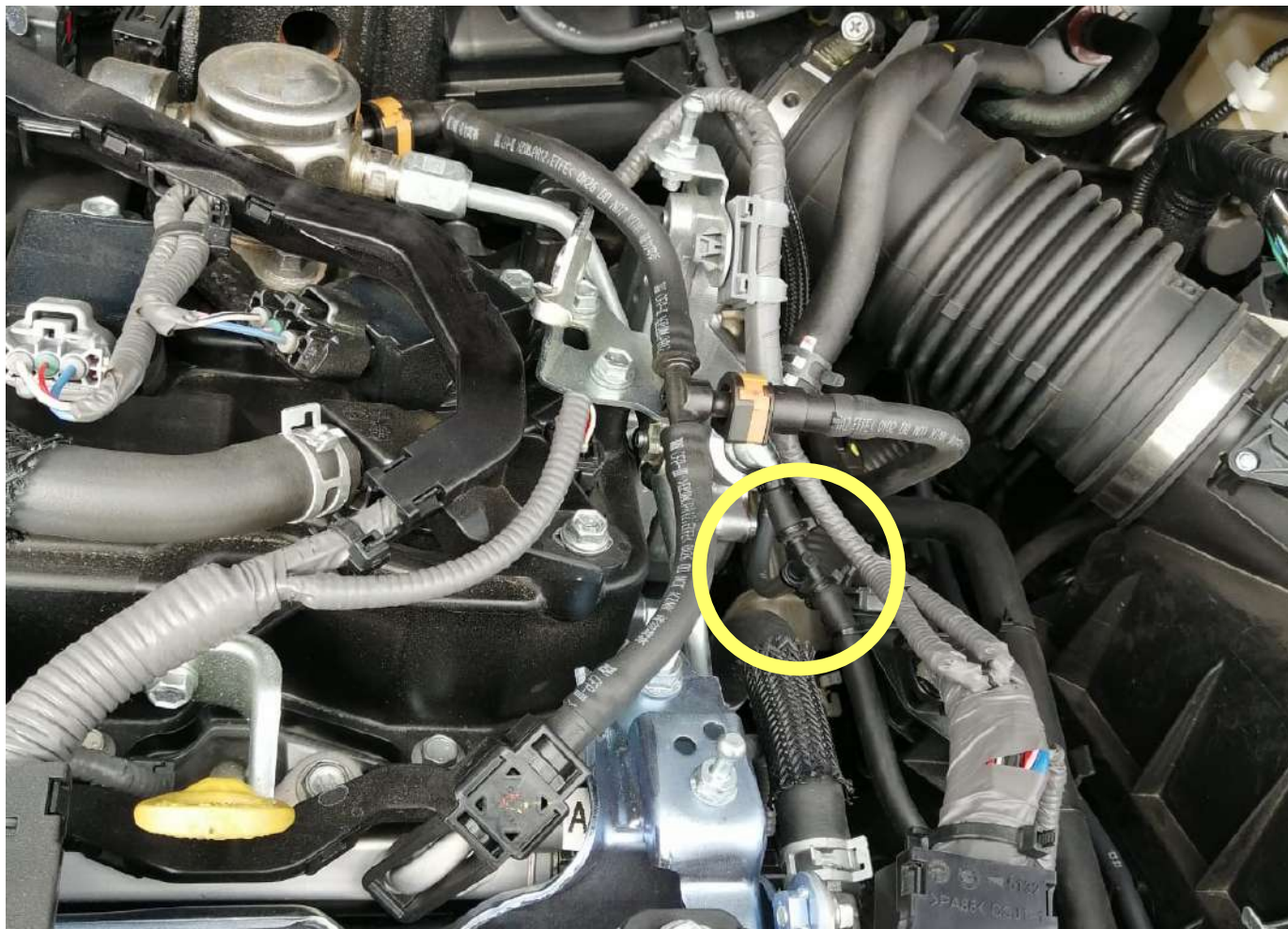
(supplementary photos of the engine cover fitting points located at the end of the manual)

The t-shaped connector is provided in the set, please detach it from the provided hose (for transportation only) and apply it correctly as instructed in the car's system.





3.1. Connect the negative pressure (continued)  
PLEASE NOTE THE ENGINE'S TOP COVER IS UNINSTALLED



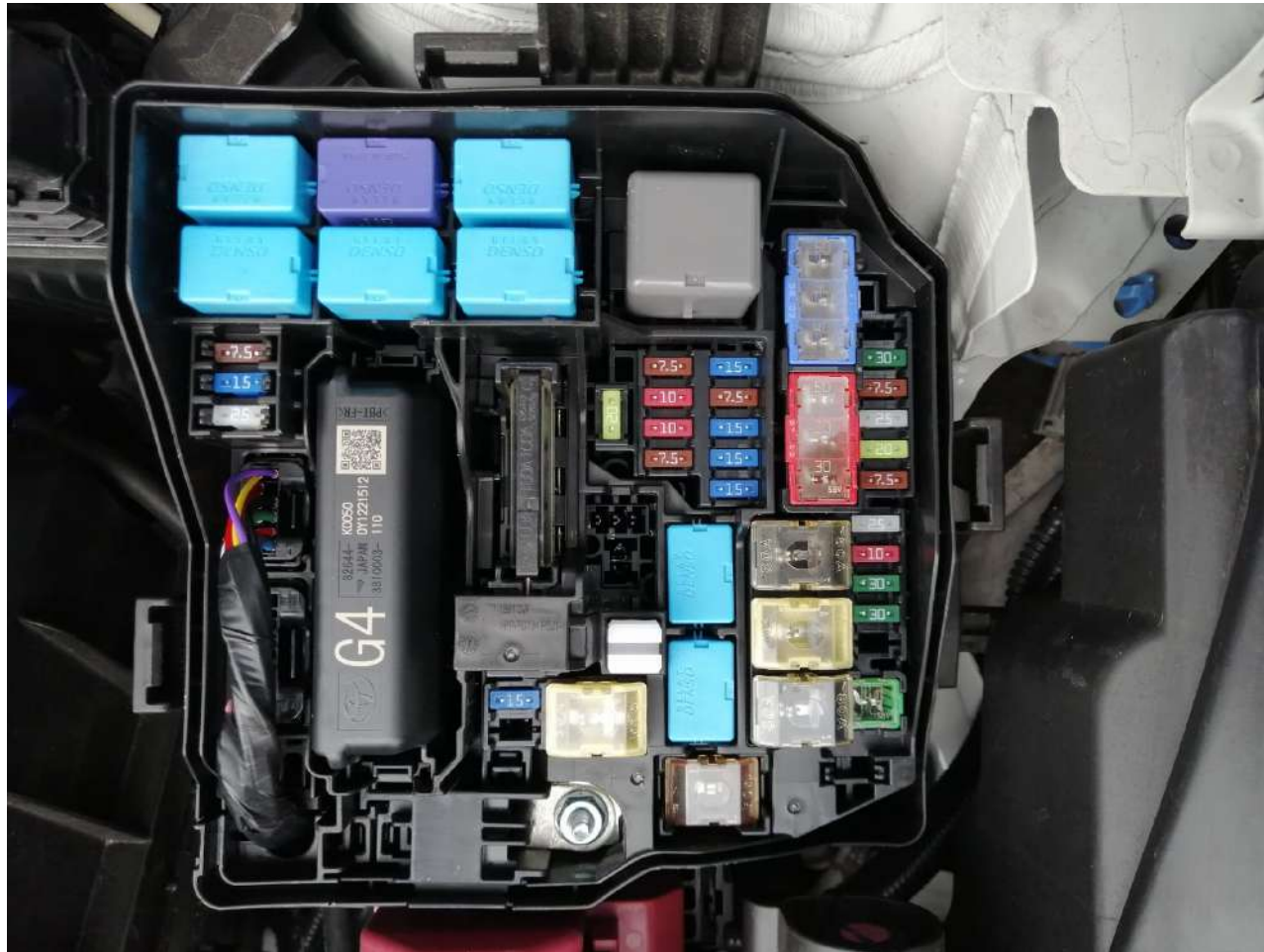
3.2. Connect the negative pressure (continued)

please note the black&blue valve for the reference, **the correct flow direction must be kept** (photo below)  
(module > blue side of the valve > black side of the valve > t-shaped connector > factory vacuum tubing)

Tighten the connections with provided bands after connecting and remove the excess of the band.

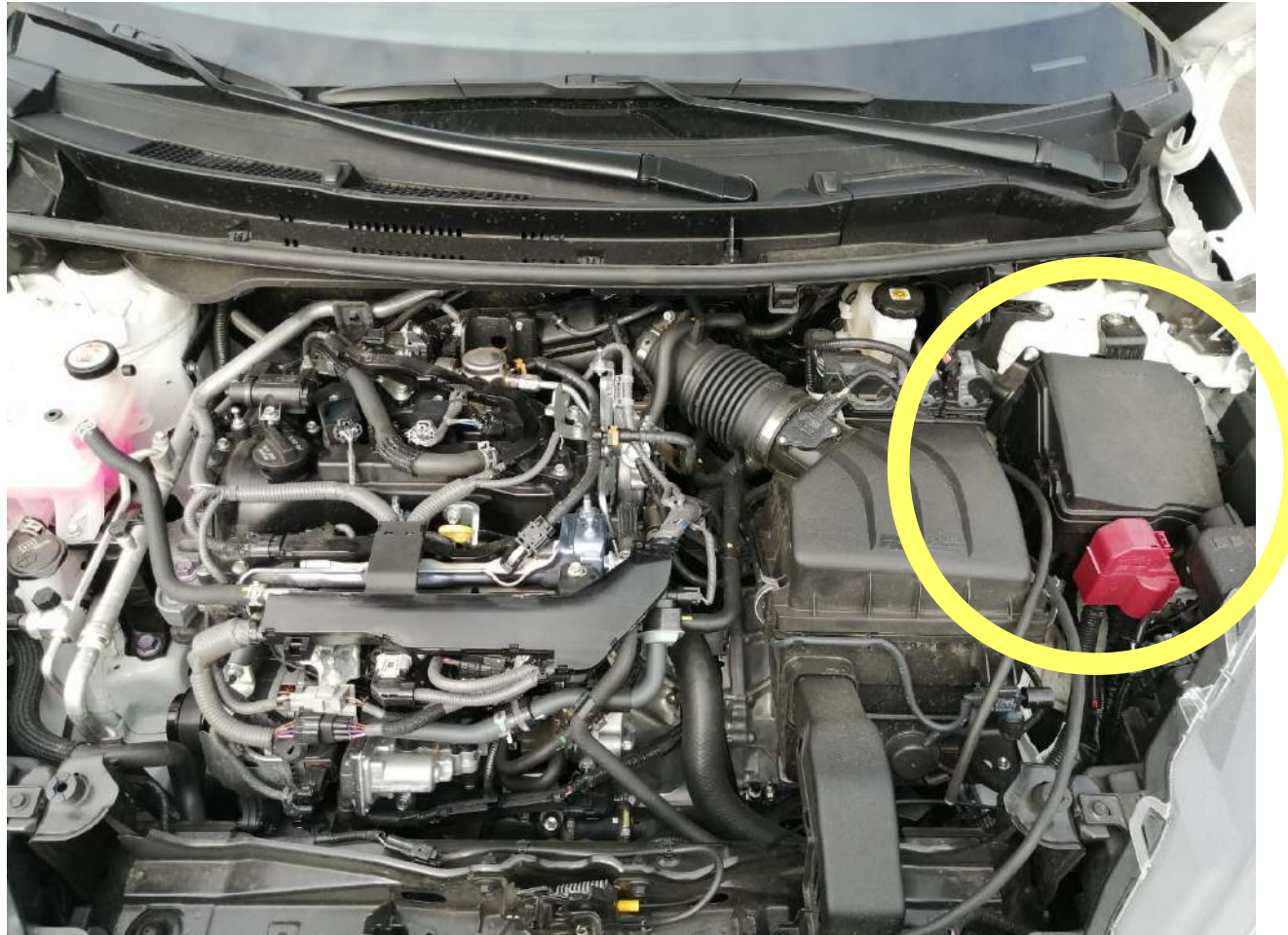


4. Connect the power supply from the fuse box  
PLEASE NOTE THE FUSE BOX TOP COVER IS UNINSTALLED (see next page for the fuse box location)





4.1. Connect the power supply from the fuse box  
(fuse box location on the picture below)





**Please make sure the car's ignition circuit is switched off during this operation.**

4.2. The electrical connection is a 2-step process and involves connecting: a.) the 12 V power supply b) the ground  
The correct connection of the 12 V current is obtained by removing the highlighted fuse, placing in the supplied adapter in its place and putting the removed fuse back, into the free slot in the adapter (photo on the next page).



**Please make sure the car's ignition circuit is switched off during this operation.**

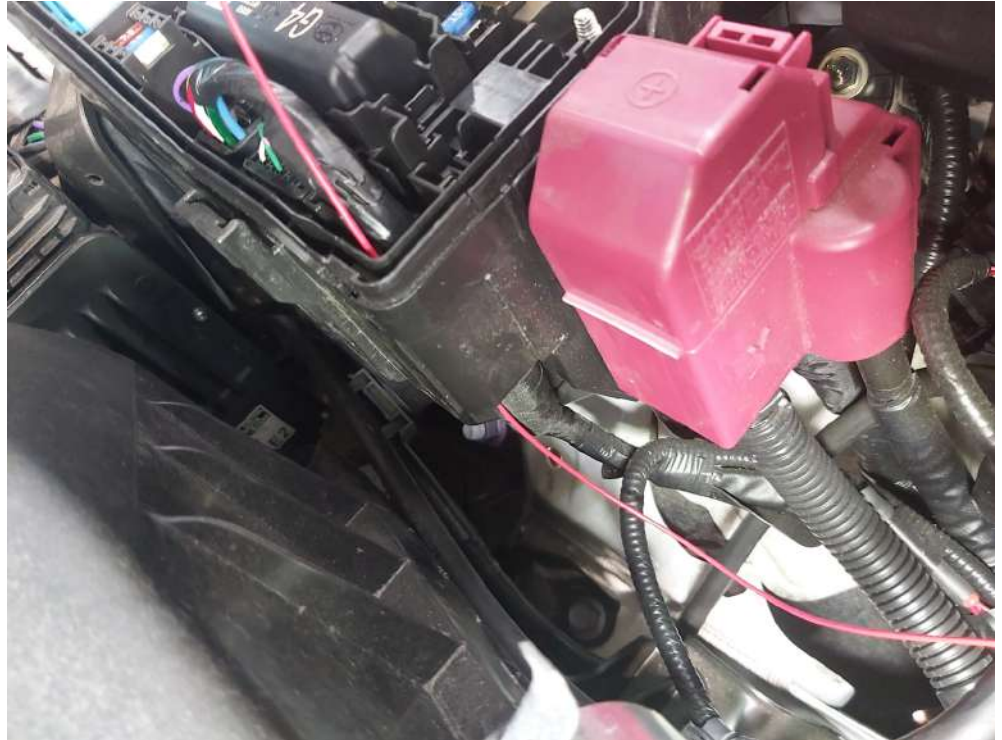
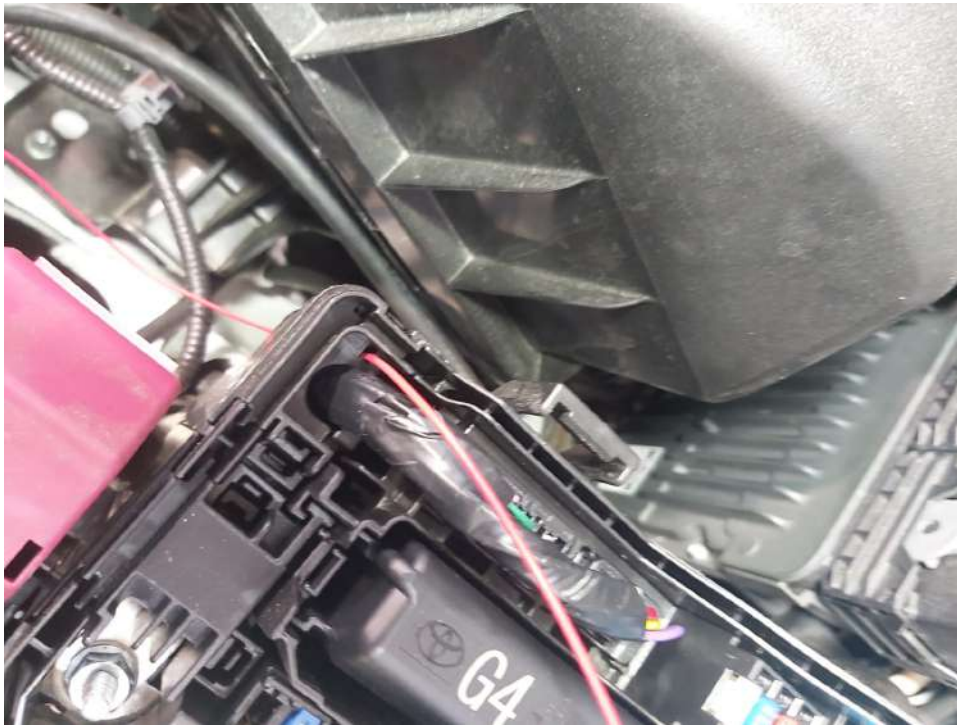
4.3. The correct connection of the 12 V current is obtained by removing the fuse (see the previous page), placing in the supplied adapter in its place and putting the removed fuse back, into the free slot in the adapter (photo below).

When completed plug the adapter into the slot of the previously removed fuse and proceed to connecting the ground cable (photo on the next page).



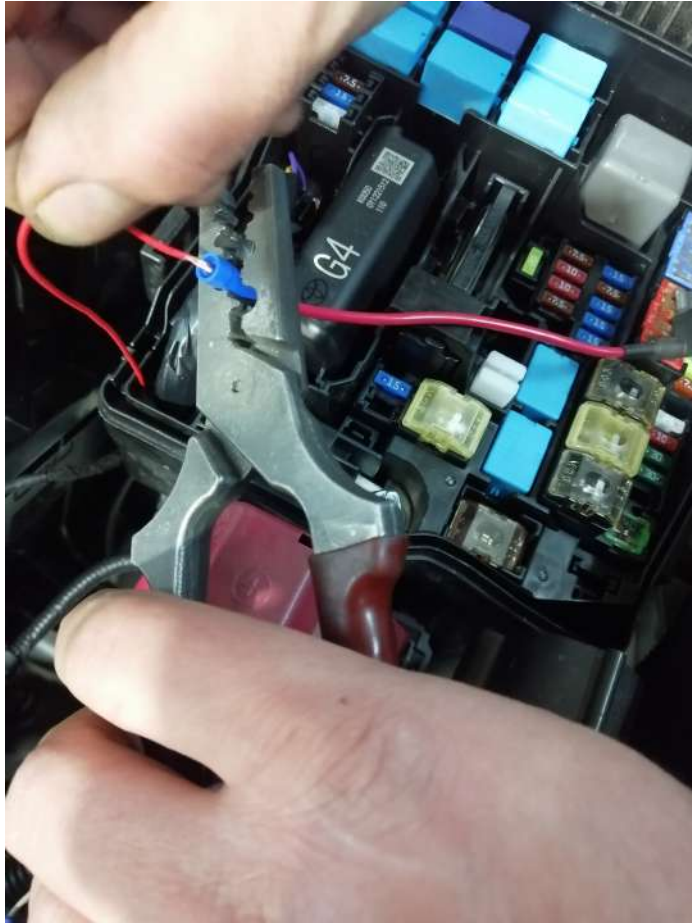
4.4. To correctly connect the find a thin red wire, coming out of the black wiring set provided in the set.  
Drive the supplementary thin cable from bottom to top through the fuse box casing  
(you can find a small hole on the bottom side of the box and a piece of red wire in the set to easen the process)

**see a video of the process at: <http://bit.ly/GRVC002>**





4.5. After having the thin red wire going through the fuse box casing, connect it to the fuse adapter by squashing the blue coloured connector (photos below).



4.6. Connect the ground cable to a screw available at the right hand of the engine compartment and tighten it with a provided nut. (photo below).

Make sure all electrical circuits are closed and connections (the wires, the fuses, the adapter) are tightly connected





5. Connect the longest provided vacuum tubing to the module (as per photo on page 3). Drive the long vacuum tubing under car's body to the valve at the rear muffler avoiding contact with car's hot spots and connect tightly to the valve vacuum actuator.

Recommended solution is driving the tube under a black plastic shield along the break lines, and fasten the tubing with provided black plastic installation bands (photo below, requires unscrewing the cover for the installation).



FRONT side



REAR side



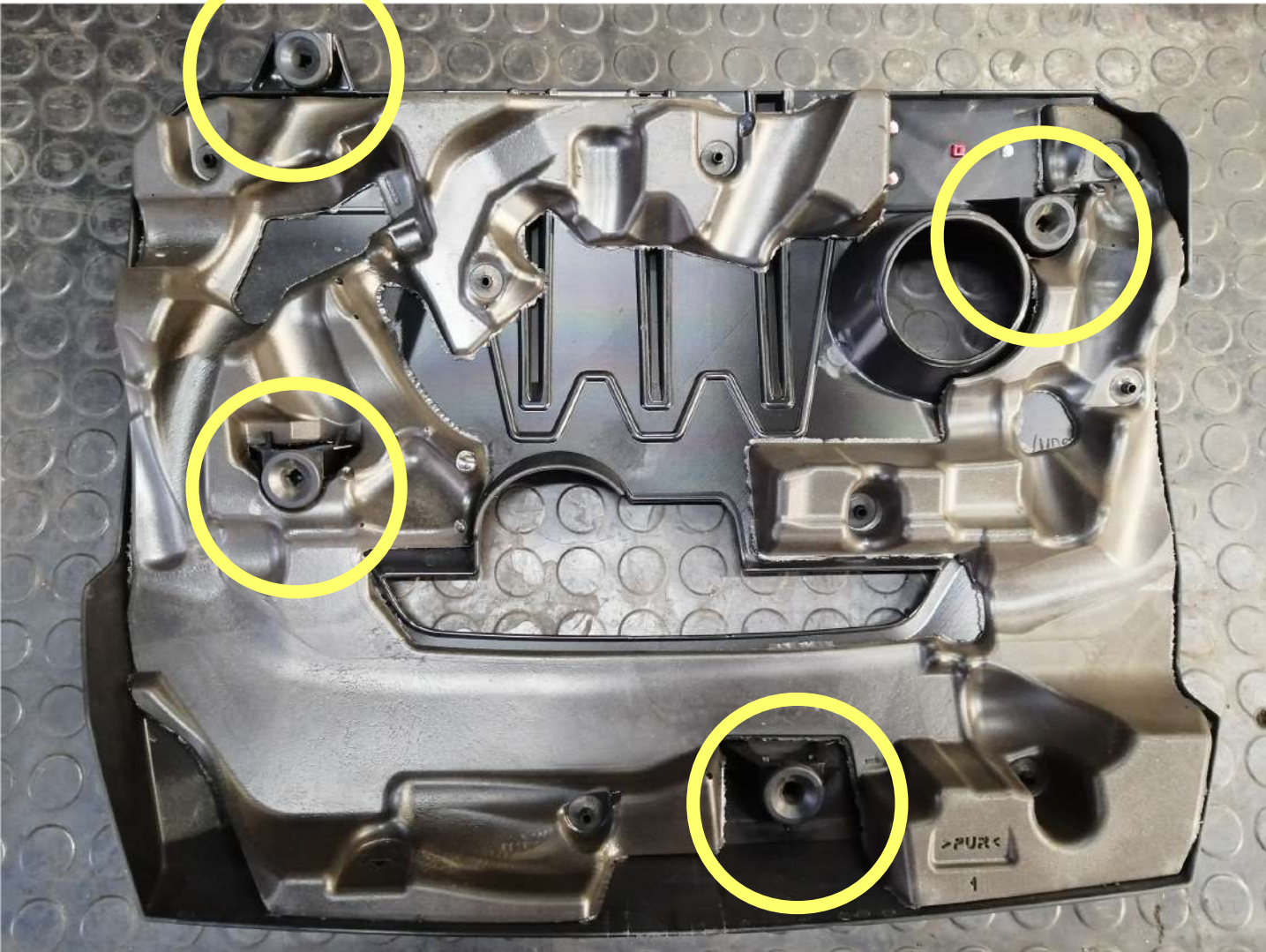
5.1. Connect the long vacuum tubing to the valve (photo below).

Tighten all connections, fasten all elements to **avoid loosely hanging wires and tubes** (this may cause disconnecting and/or damaging the elements). Use provided black plastic bands and clip fasteners from the provided set as well as available readily on the car's body and underbody.

**Install back all removed covers and tighten them with screws (if applicable).**



6. Engine cover fastening points (underneath) presented to facilitate the cover removal



6.1. Valve Control System checklist (photo below).

Please make sure all elements have been delivered in your set





7. Optional installation of the wireless button.

If you chose to install the button, drive the button through the dashboard cover and instal it in your preferred position. Place and secure the power source and radio module in a stable manner and connect the button to the power source.



THANK YOU FOR YOUR PURCHASE



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