

UST V1.0

TOYOTA / LEXUS EMERGENCY ENGINE START TOOL



FOR ALL MODELS MY2015 - MY2021



➤ FEATURES

IN SIMILAR DEVICES

- Turning off/on standard Toyota/Lexus car alarm
- Opening the central lock

IN THE UST v1.0 DEVICE - SUPER NEW OPTIONS, NEW !!!

- Opening/**CLOSING** all doors (the central locking)
- Emergency **AUTOSTART** of the engine (immediately after opening the central lock) **without any additional connections**
- **BLOCKING** other non-standard systems connected to **CAN-bus** interface
- Vehicles **without a Gateway** module can be connected **via OBD** connector for **opening** and **starting**
- Turning off/on standard Toyota/Lexus car alarm
- After using UST v1.0 **all working keys remain functional** (**NO NEED TO RESTORE !!!**) and all systems operates in standard way ! **NO NEED to carry out** diagnostics, programming or registering (binding) procedures!

Attention!!! UST v1.0 is not intended for permanent use, only for a temporary solution in an emergency!

➤ **SUPPORTED MODELS**

Toyota / Lexus: **All models** of MY2015- **MY2021**

➤ **SUPPORTED KEY TYPES** - **AA, A8, A9, 39**

- ☑ For **88 key type**, the device has **only** the function of **opening/closing** the central lock.
- ☑ After using UST v1.0 **all working keys remain functional** (**NO NEED TO RESTORE !!!**) and all systems operates in standard way! **NO NEED to carry out** diagnostics, programming or registering (binding) procedures!

➤ **CONNECTION**

Depending on the car equipment, UST v1.0 operates via the CAN-bus interface of the following units:

- Main Body ECU
- Smart ECU (Certification ECU)
- Headlight ECU Sub Assembly
- Skid control ECU (ABS), Millimeter Wave Radar Sensor Assembly, etc.

☑ **Connection via OBD connector is possible if the vehicle doesn't have a Gateway module.**

✚ Connection points of the device are shown in **Table # 1**.

➤ **THE KIT**

- UST v1.0 device
- The cable with the needles
- OBD cable
- The cable with Smart ECU adapters (A8 , A9 and 39 key types).



➤ **OPERATION SEQUENCE** (Step-by-step instruction)

1. Connect the cable to CAN-bus, in accordance with the car model and the selected connection option (**Table #1**).

2. To **turn on the device**, press and hold the **RED** button until the LED lights up. The LED flashes **green** once and then starts blinking **red**.
3. Connect the USB cable to USB port of the device. The LED will blink green and then glow **green** permanently. The **standard car alarm system will be deactivated automatically**.
4. To **deactivate the central locking**, briefly press the **RED** button on the device. After that, the doors and steering column will be unlocked.
5. To **activate central locking**, press the **BLACK** button on the device.
6. After disabling the central lock and standard car alarm, **disconnect the USB cable** from the device.
7. **To start the engine**, you need to wait until backlight of the dashboard and information LEDs go out. Then push the brake pedal and press the START button. The engine will be started.
8. **To activate central lock after starting the engine**, you must re-switch on UST v1.0, connect the USB cable and press the **Black** button on the device.

Attention!!!

- ☑ The device allows turn on the ignition and start the engine **only once**. To **start again**, you need to repeat the procedure of connecting and turning on the device (Nos. 1-7).
- ☑ Connection via **OBD connector** is possible if the vehicle **doesn't have a Gateway module**.
- ☑ After using UST v1.0, all working keys remain functional and all systems operates in standard way. No need to carry out diagnostics, programming or registering (binding) procedures!

➤ **CHARGING AND ADDITIONAL FEATURES**

- ☑ **Attention!!!** To use UST v1.0, the device's batteries must be charged!

The device is charged via micro-USB connector located on UST back panel. You can use charge power adapter from your phone/tablet.

- ☑ UST v1.0 device can also be used as an external battery (Power Bank) for mobile devices. The "Power Bank" mode is activated by ON/OFF button located on the back of the device.

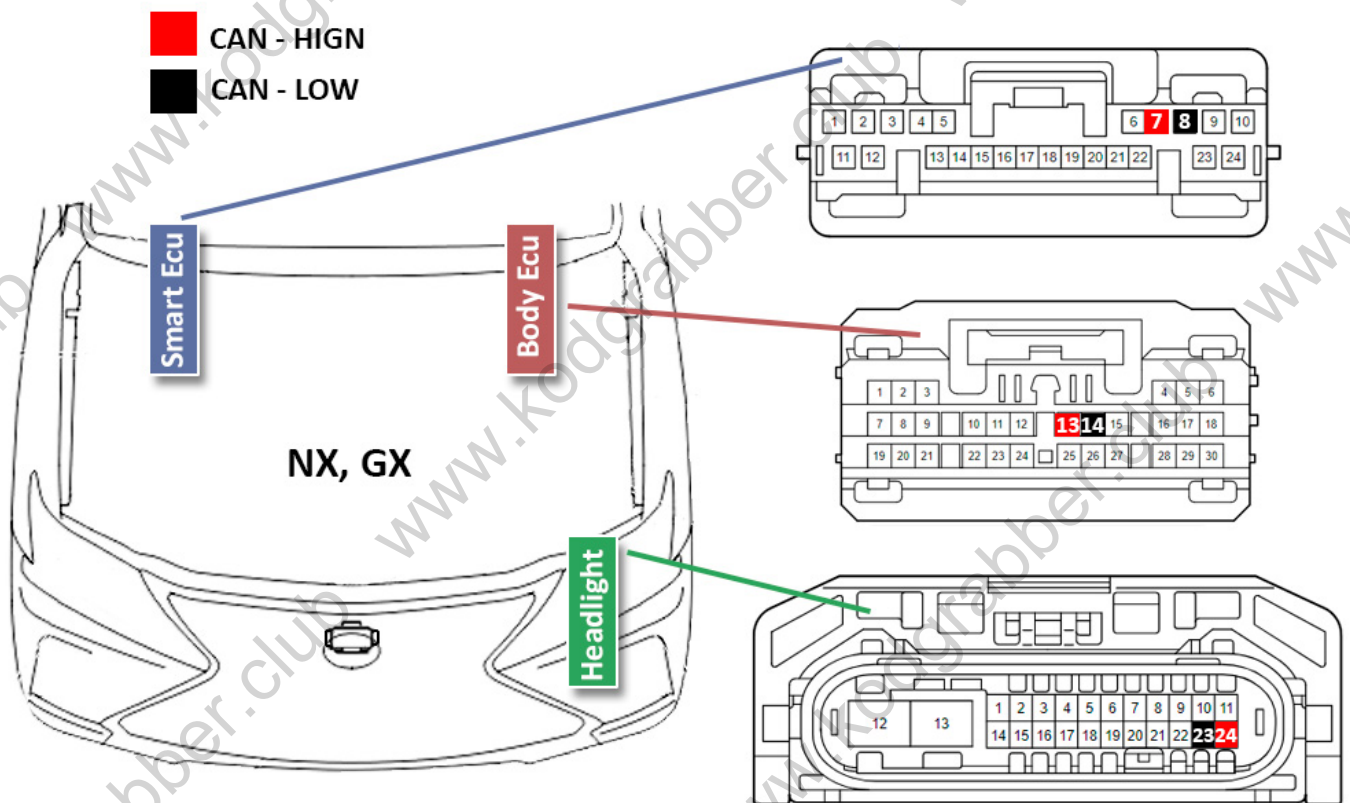
* The device uses rechargeable batteries **18650 type!**

* Charger adapter, micro USB cable and USB cable for mobile devices are **NOT INCLUDED** in the kit !!!





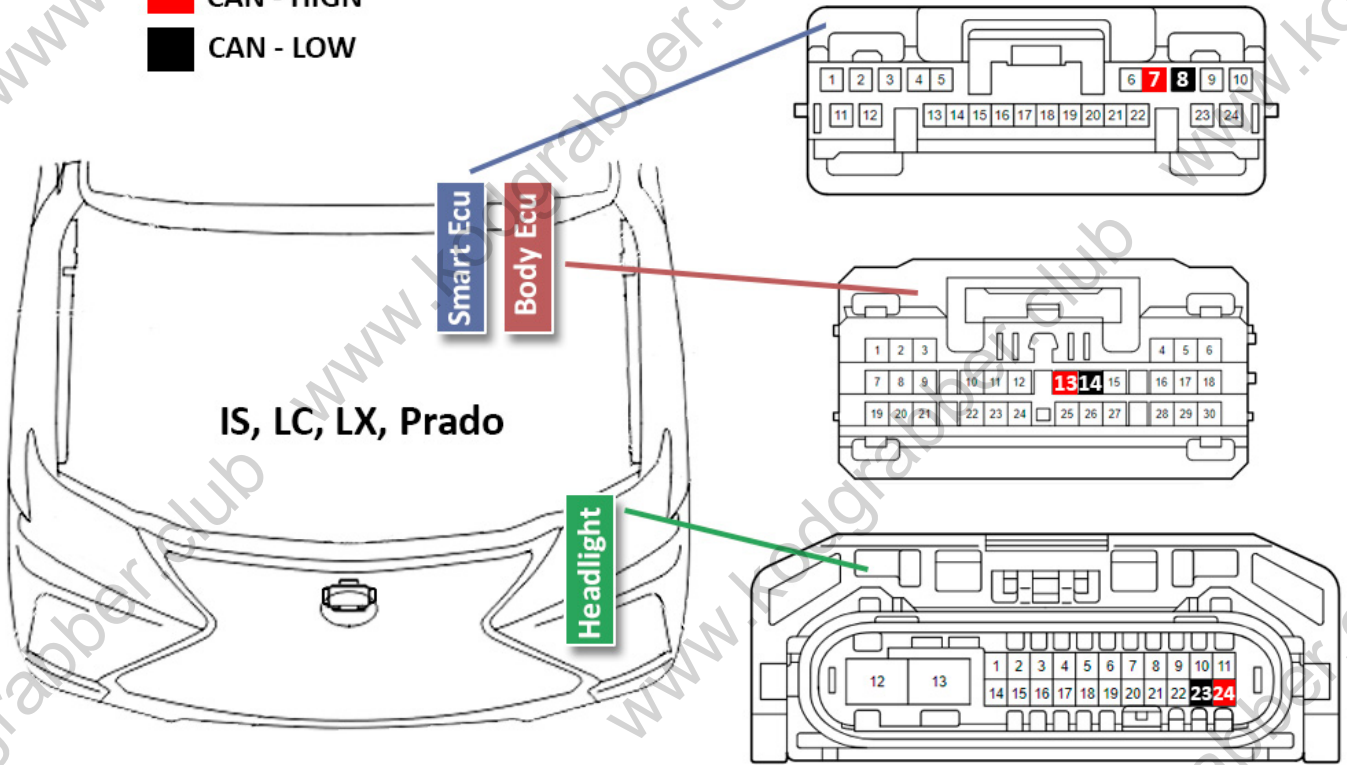
➤ **TABLE #1**

A1) Connection points for NX, GX





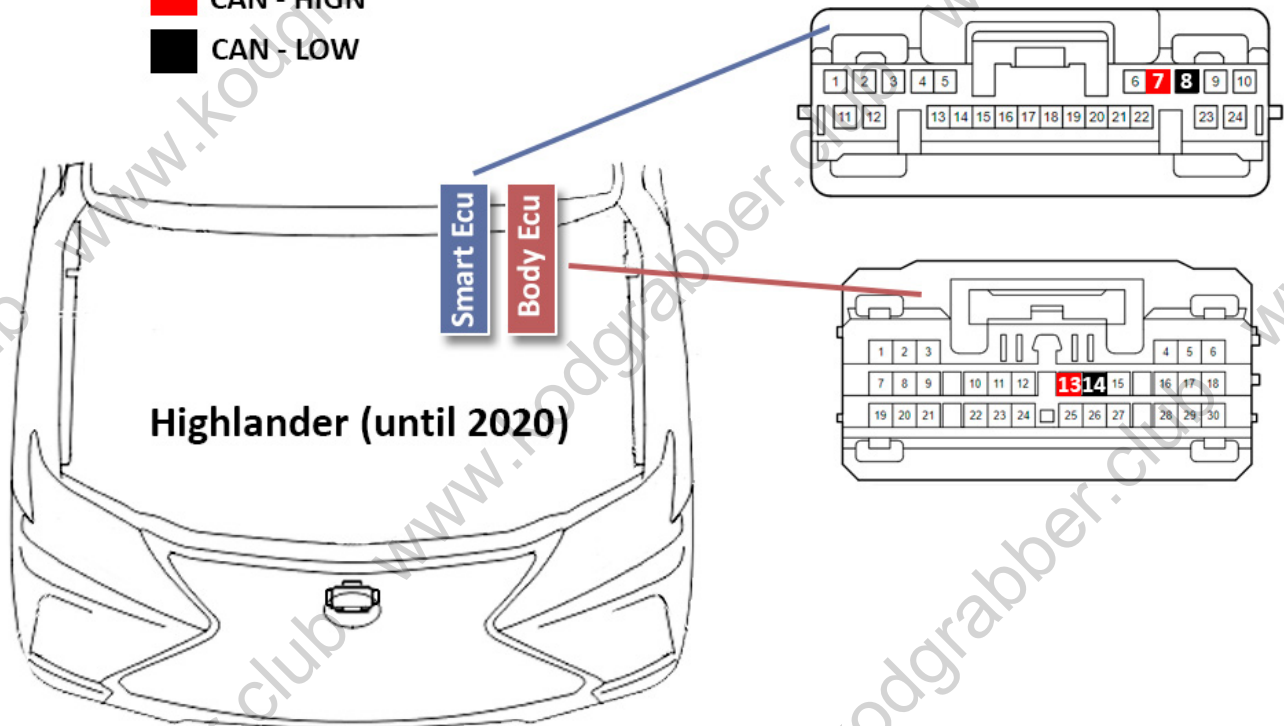
A2) Connection points for IS, LC, LX, Prado

 CAN - HIGH
 CAN - LOW

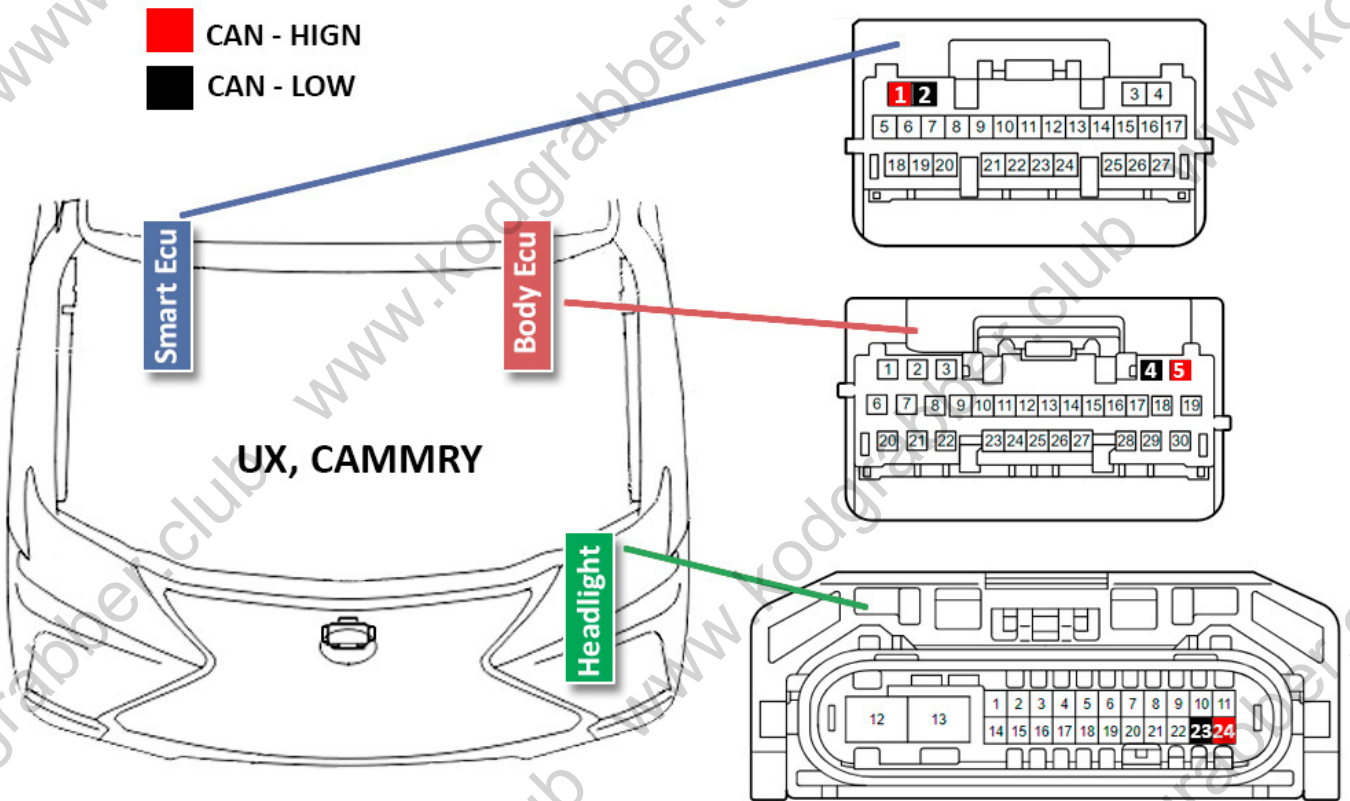


A3) Connection points for Highlander (until 2020)

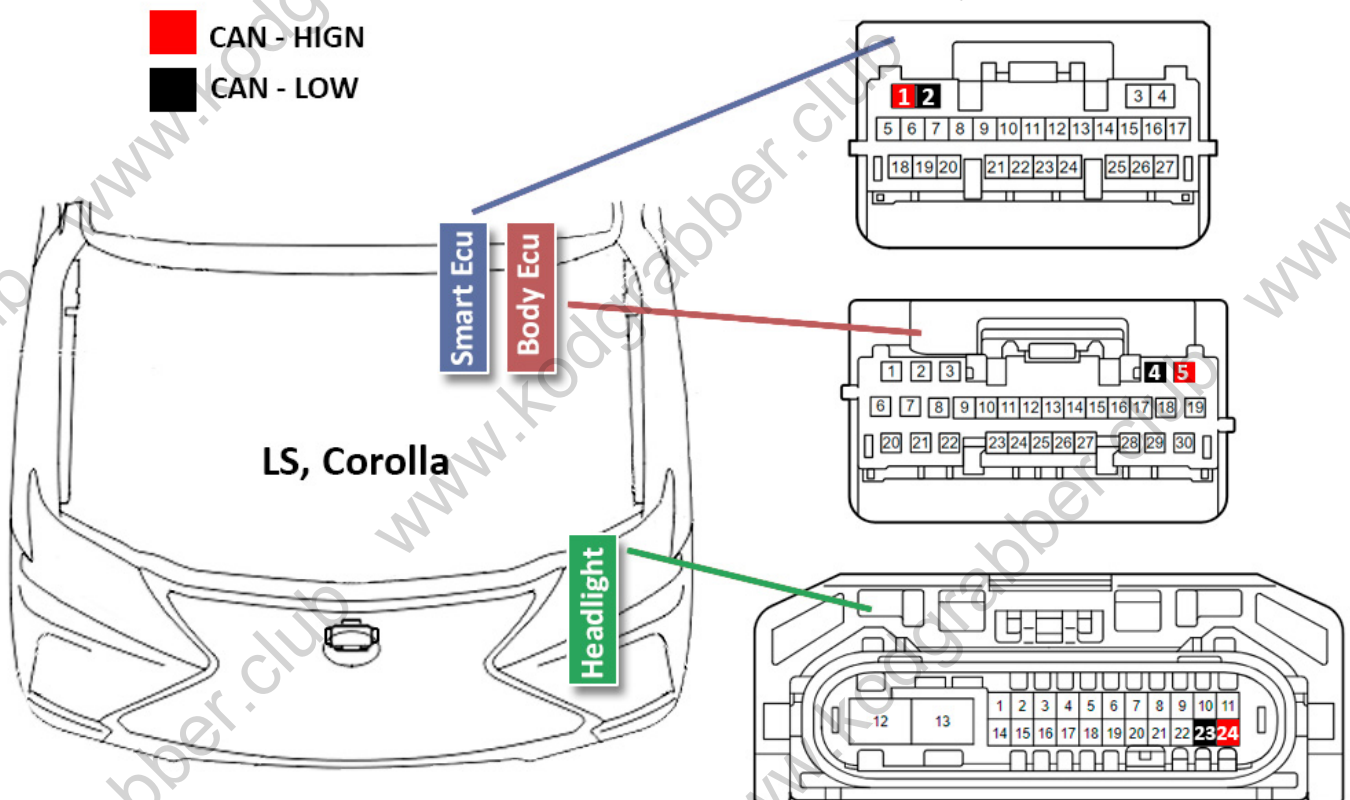
 CAN - HIGH
 CAN - LOW





B1) Connection points for UX, Cammyr

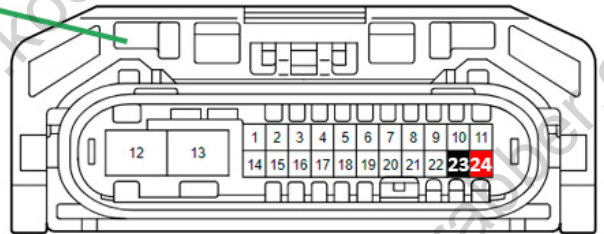
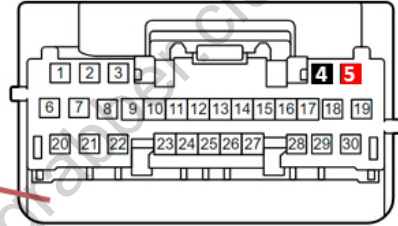
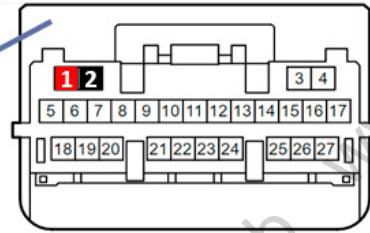
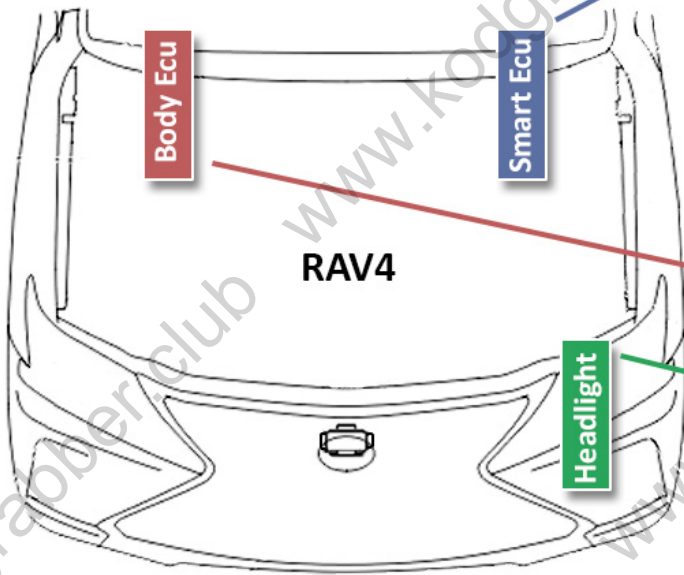


B2) Connection points for LS, Corolla





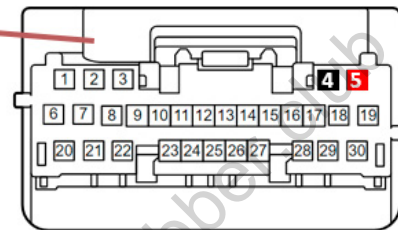
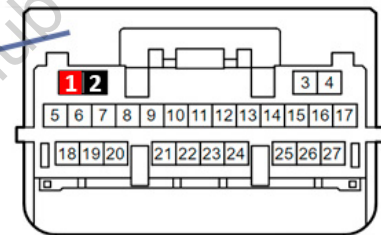
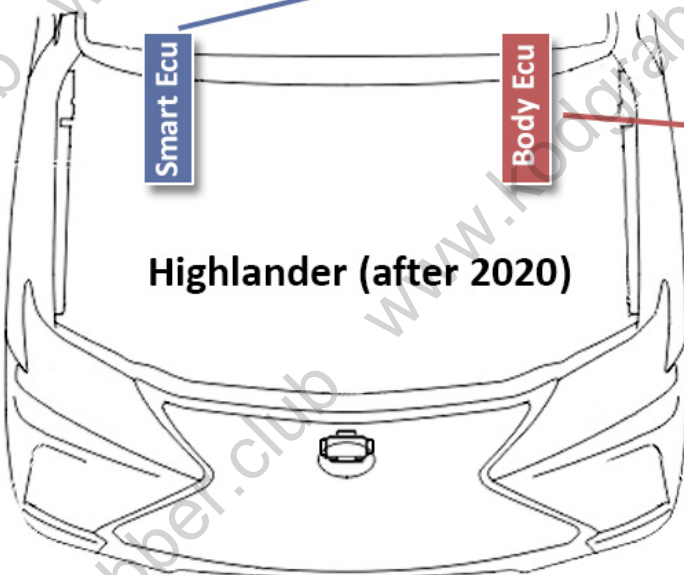
B3) Connection points for RAV4

 CAN - HIGH
 CAN - LOW



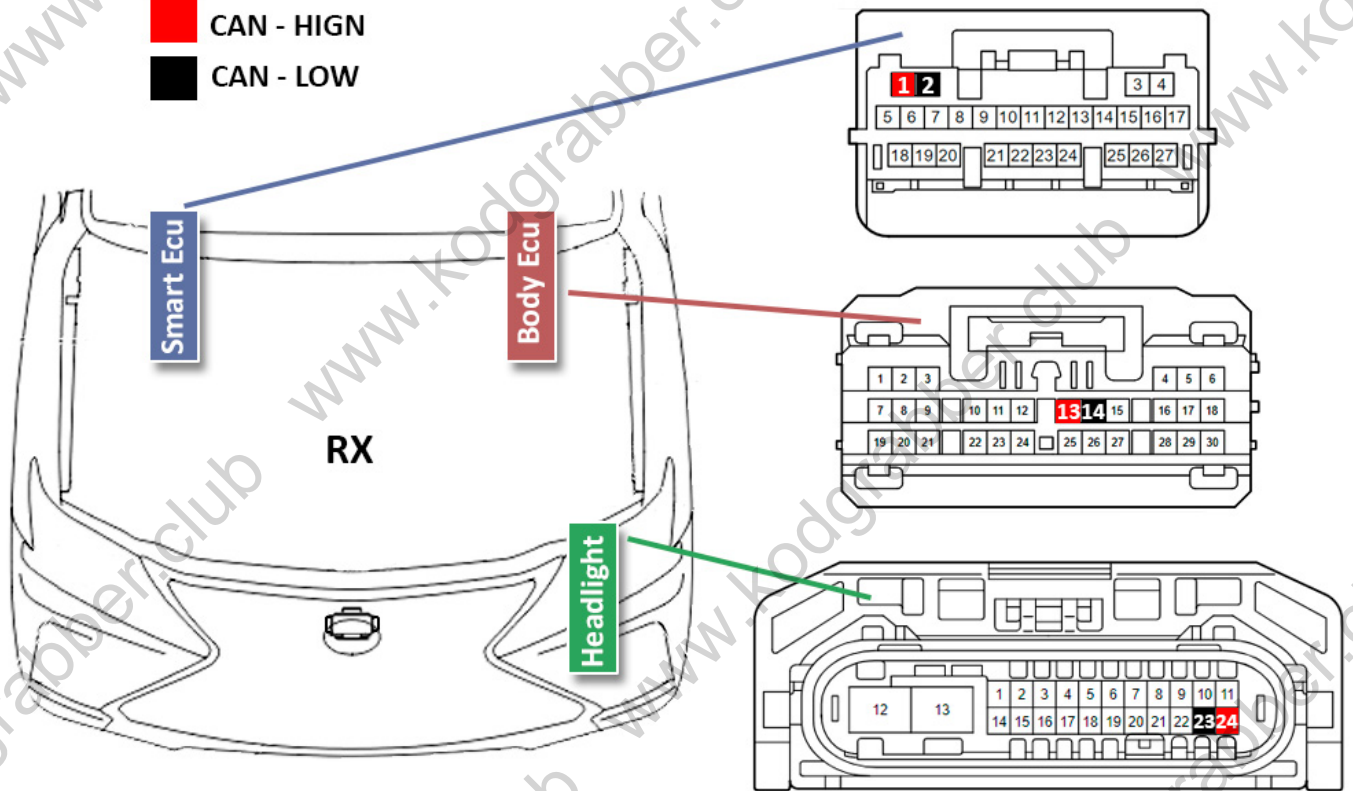
B4) Connection points for Highlander (after 2020)

 CAN - HIGH
 CAN - LOW



C1) Connection points for RX

■ CAN - HIGH
■ CAN - LOW



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