JBL AST PRO

TOYOTA / LEXUS EMERGENCY ENGINE START TOOL KIT (UST + PRO SMART) **FOR ALL MODELS MY2015 - MY2021**

Keylessgorepeater.com

➢ **THE KIT CONSISTS OF:**

The kit is designed for emergency opening, unlocking and starting the car, restoring operability in case of loss of all keys.

➢ **FEATURES OF JBL AST PRO:**

- Opening / **closing** all doors (central locking of the car);
- Emergency **engine start** (immediately after opening) **without any additional connections**;
- **Blocking** of abnormal systems connected to **the CAN bus**;
- Disabling the OEM alarm system;

☑ After using the device JBL AST PRO v1.0, car keys **DO NOT NEED TO BE RESTORED**!!! Other systems work normally and **IT IS NOT REQUIRED** to diagnose , adapt and program the keys !!!

Keylessgorepeater.com

➢ **SUPPORTED CAR MODELS:**

Toyota / Lexus: **All models** including 2015-2021

- **Lexus:** GX, IS, LS, LX, NX, RX;
- **Toyota:** Alphard, Camry, CHR, Fortuner, Highlander, Land Cruiser, Land Cruiser Prado, RAV4;

➢ **SUPPORTED KEY TYPES** - **AA, A8, A9, 88**

☑ For **Type 88 key**, the UST only works in the central **locking opening/closing** mode.

➢ **EQUIPMENT:**

- Device JBL AST PRO v1.0;
- Cable with needles;

Attention!!! *The kit is used as a temporary solution in case of emergency for car services, dealers and police officers.Not intended for permanent use!*

Keylessgorepeater.com

DESCRIPTION OF THE DEVICE JBL AST PRO

➢ **CONNECTION:**

Depending on the configuration, the device is connected via the CAN-bus of the following units:

- Body ECU,
- Smart ECU,
- Headlight control unit,
- ABS unit, Radar, etc.

☑ Connection points of the device are given in **Table. 1**.

➢ **SEQUENCE OF ACTIONS** (*step-by-step instruction*)

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

2. To **turn on the device** Connect the USB(type-C)-plug cable to the USB(type-C)--connector of the device. Then press and hold the Power button of the device. After pressing, the LED lights up **green** and means the connection is made correctly, and if it blinks **red**, then the connection is not made correctly and you need to connect the needles on the contrary!

3. To **open the central locking of the** car, it is necessary, according to the layout scheme, to connect with the CAN bus of the car through the headlight, press the "**Play**" button for a short time , after which the **oem car alarm will automatically turn off** and **the central locking of the car will be opened.**

4. To **start the engine of the car**, it is necessary according to the layout to connect with the CAN - the car bus through the Smart ECU or Body Ecu, press the "**Play**" button for a short time after that. After that, pressing the brake pedal, press the START button - the car engine will start.

5. To **start the car engine through the headlight**, it is necessary according to the layout scheme to connect with the CAN - car tire headlight, make sure that the headlight is LED and supports this possibility, press the "Play" button for a short time, after which the car will be removed from the standard security of the system and unlock the door. Next, we disconnect the device from the headlight connector, turn off the device, connect the headlight connector in place. Go open the car door, get into it, press the brake and start-stop button and start the engine.

After starting the car engine in this mode, you dashboard may see errors, but this does not prevent you from moving around on the car. They will disappear after you turn off the engine.

Keylessgorepeater.com

Attention !!!

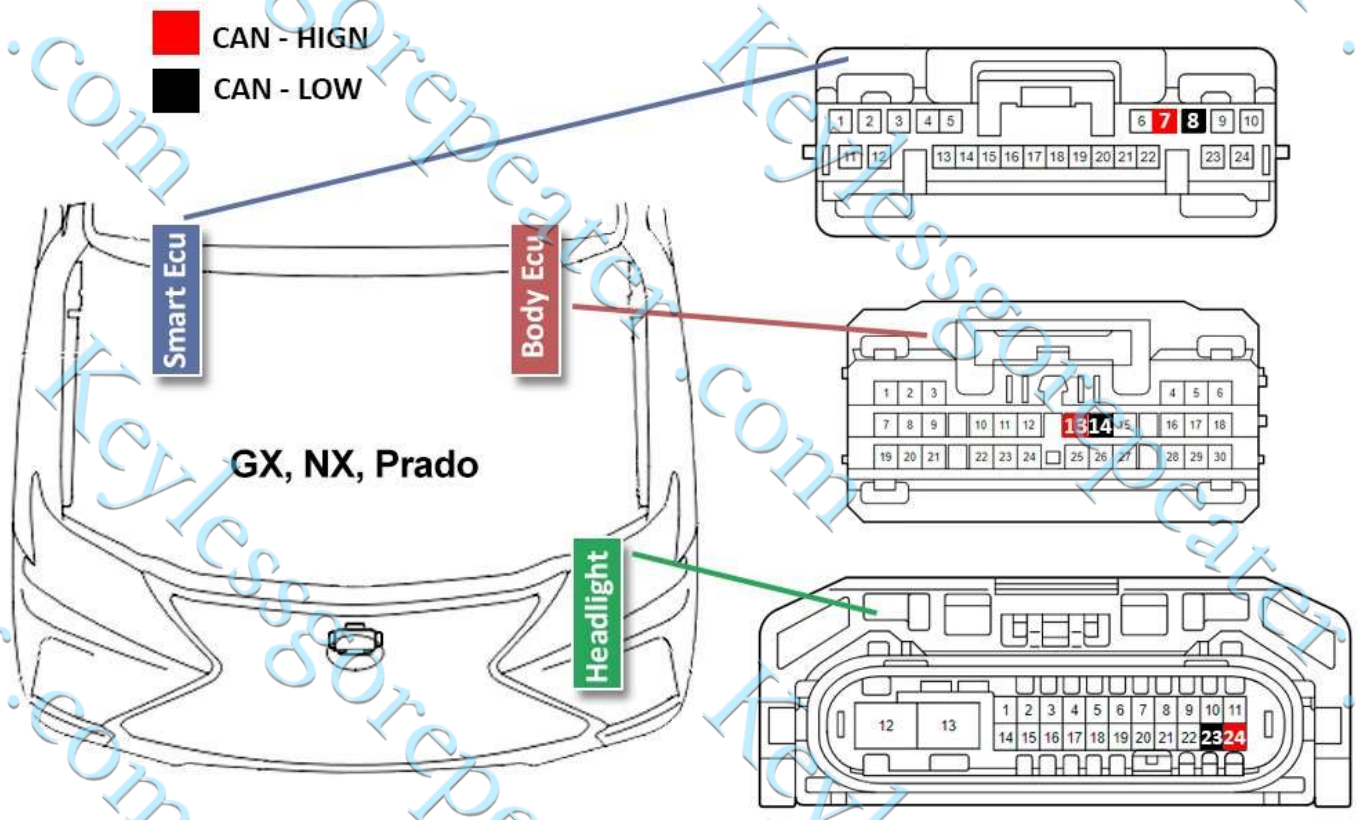
☑ The device makes it possible to turn on the ignition of the car once and start the engine. To restart, you must repeat the procedure for connecting and turning on the device. The number of restarts **is UNLIMITED**!!!

☑ After using the device, the working keys of the car remain operational, all systems work normally and there is no need to perform diagnostic, adaptation and programming of keys.

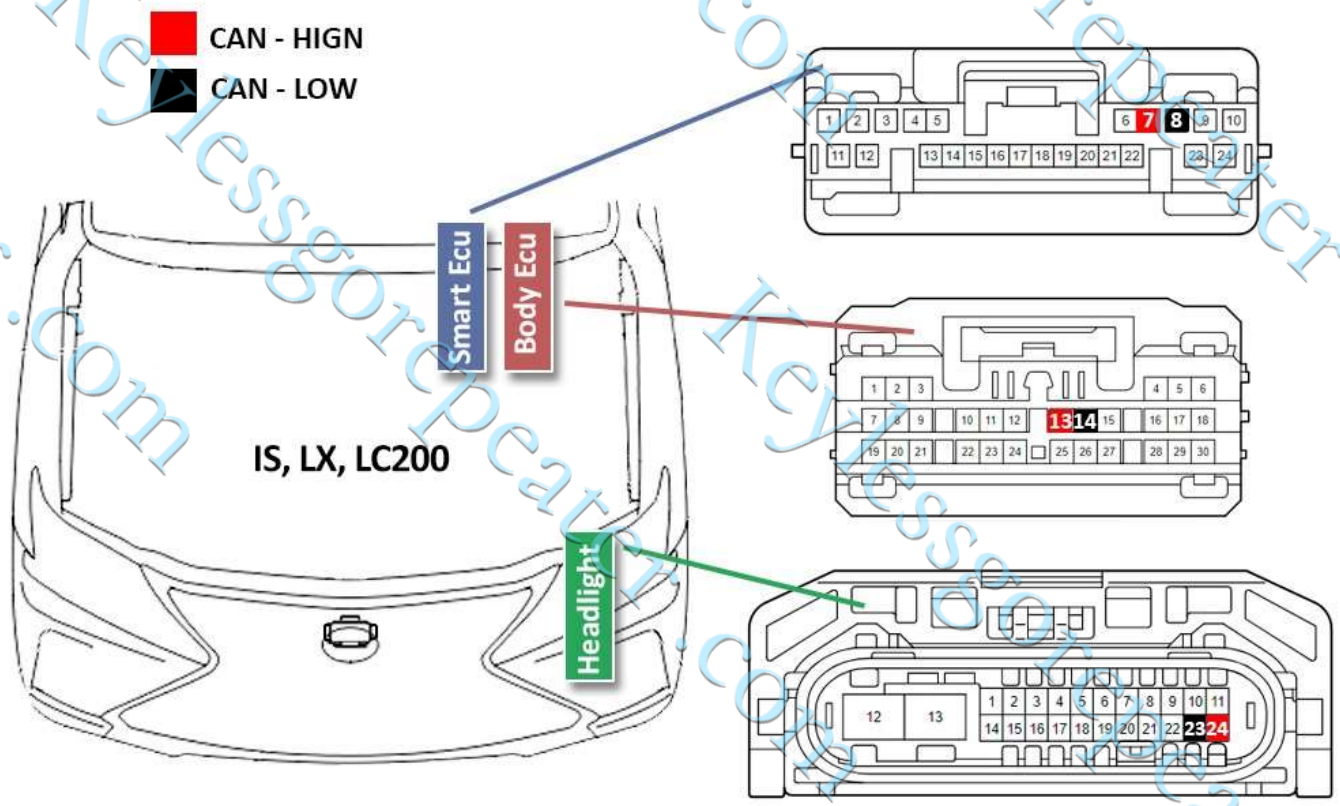
Keylessgorepeater.com

➢ **TABLE #1**

A1) Connection points for GX, NX, Alphard, Prado

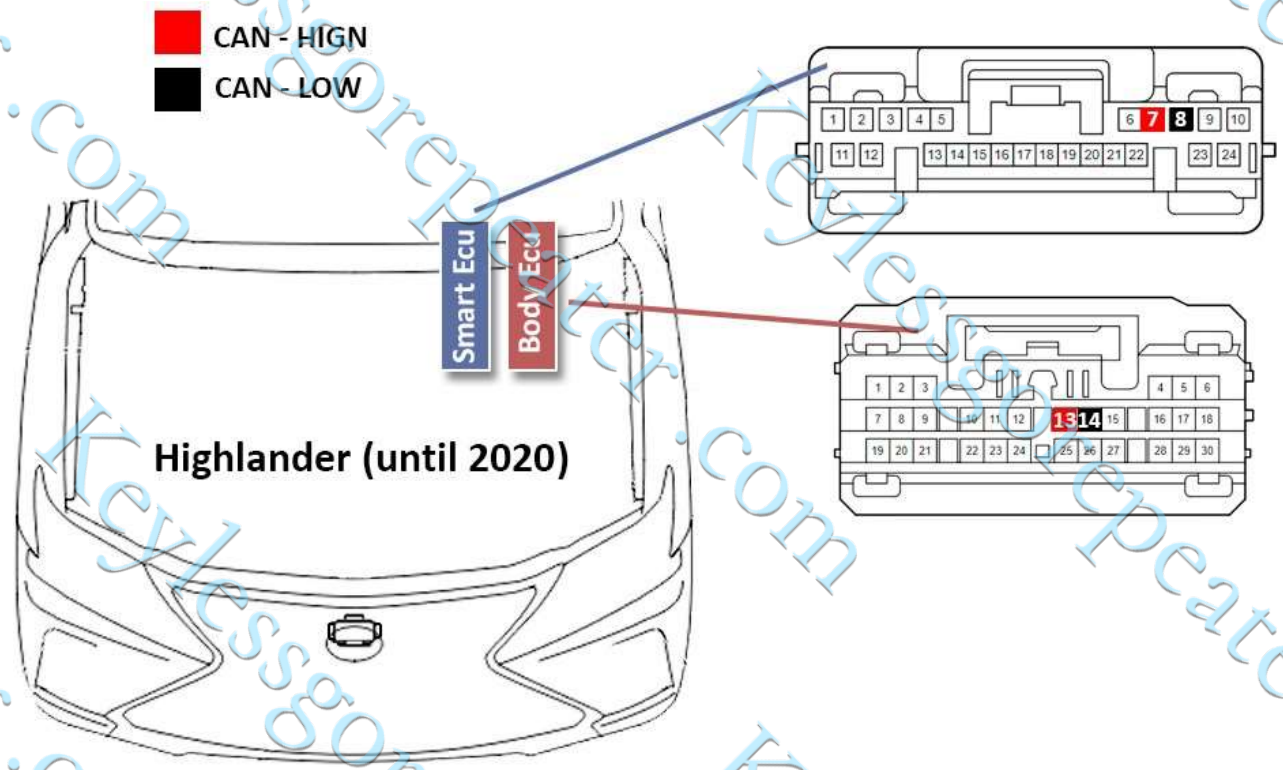


A2) Connection points for IS, LX, LC200

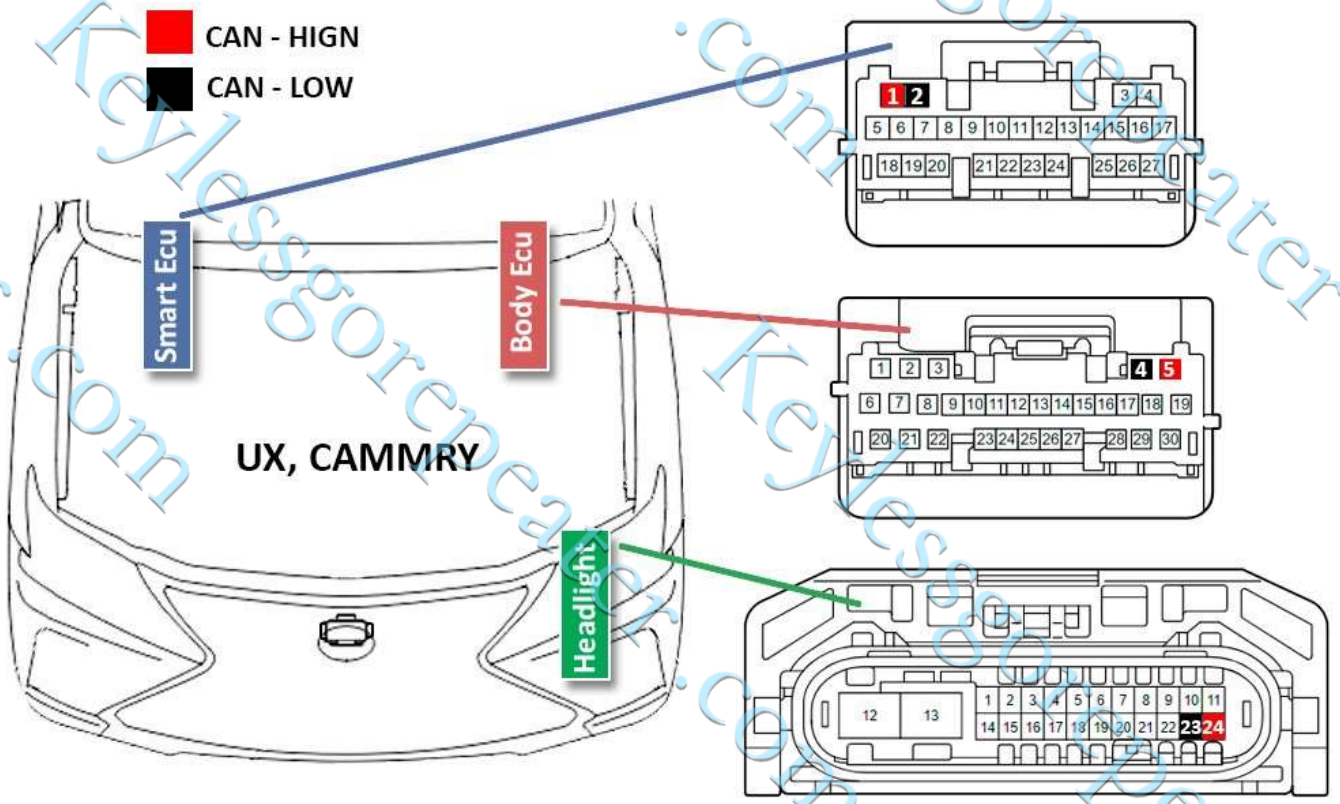


Keylessgorepeater.com

A3) Connection points for Highlander (until 2020)

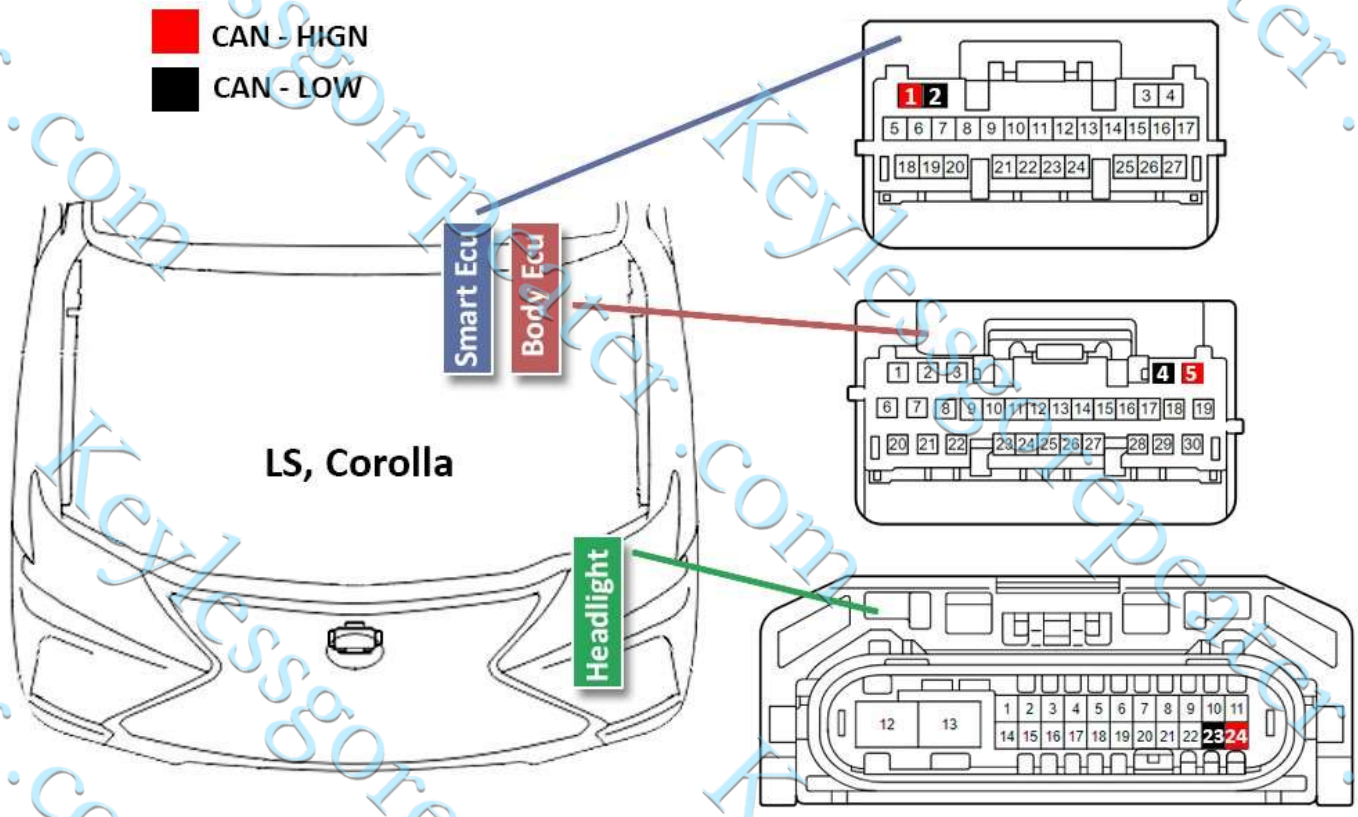


B1) Connection points for UX, Cammry

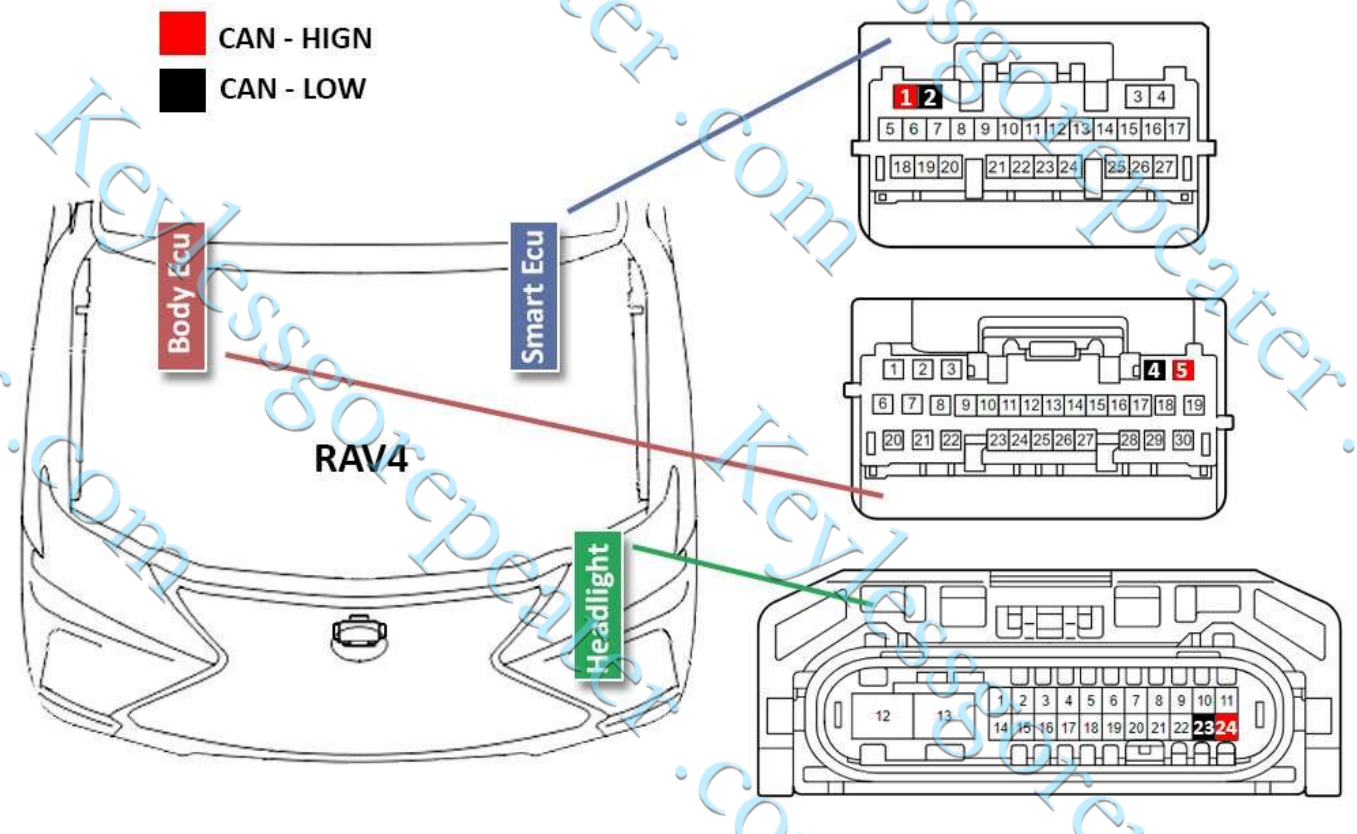


Keylessgorepeater.com

B2) Connection points for LS, Corolla

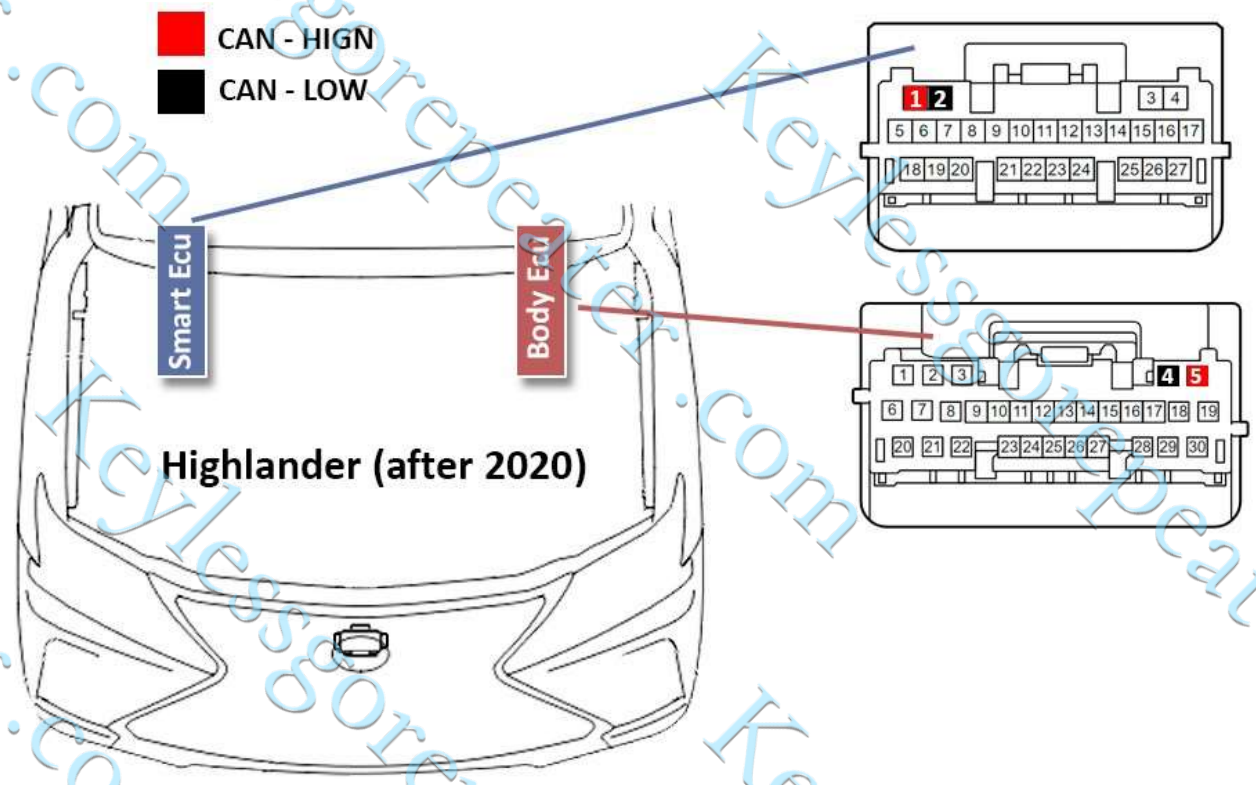


B3) Connection points for RAV4

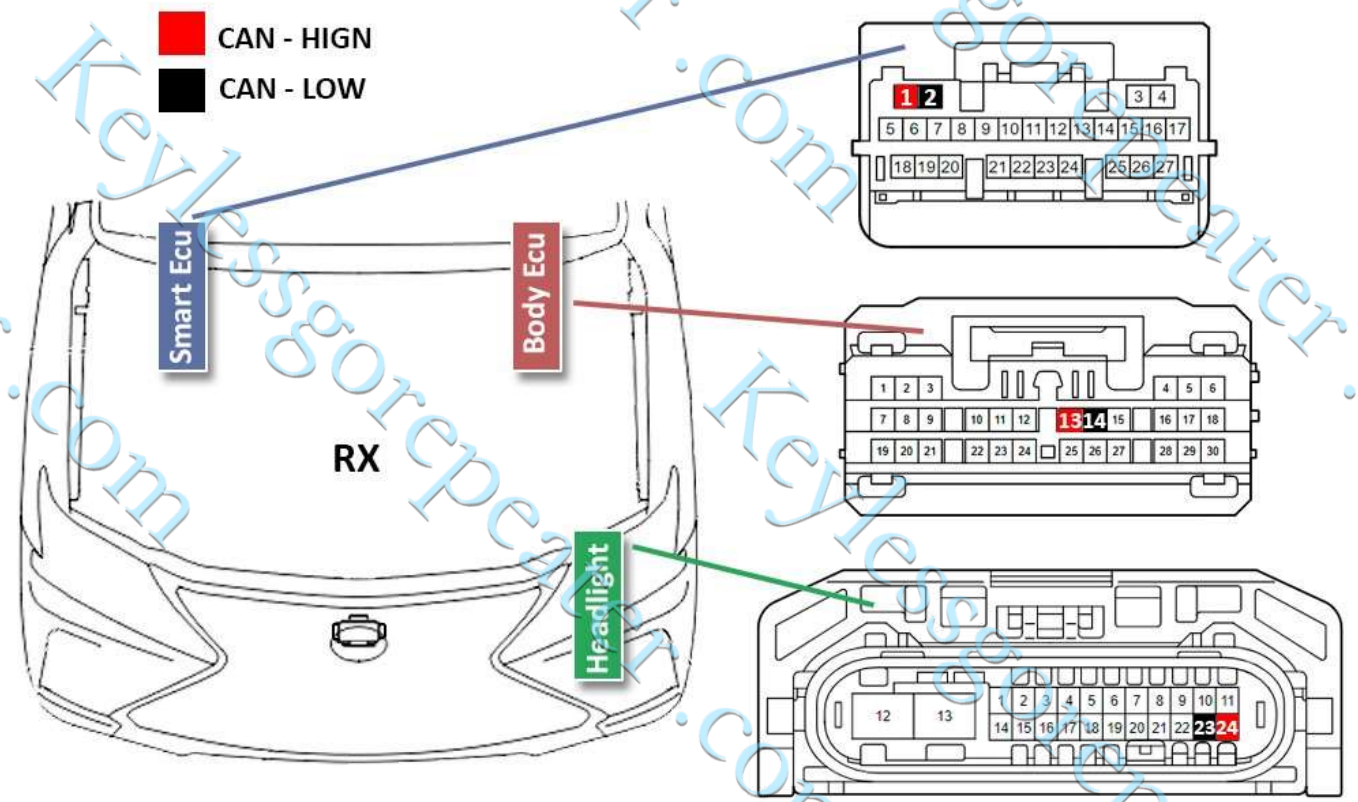


Keylessgorepeater.com

B4) Connection points for Highlander (after 2020)



C1) Connection points for RX



Keylessgorepeater.com