Subaru 80 & 128bit Immobilizer All Keys Lost solution by CAN



I.Getting Started

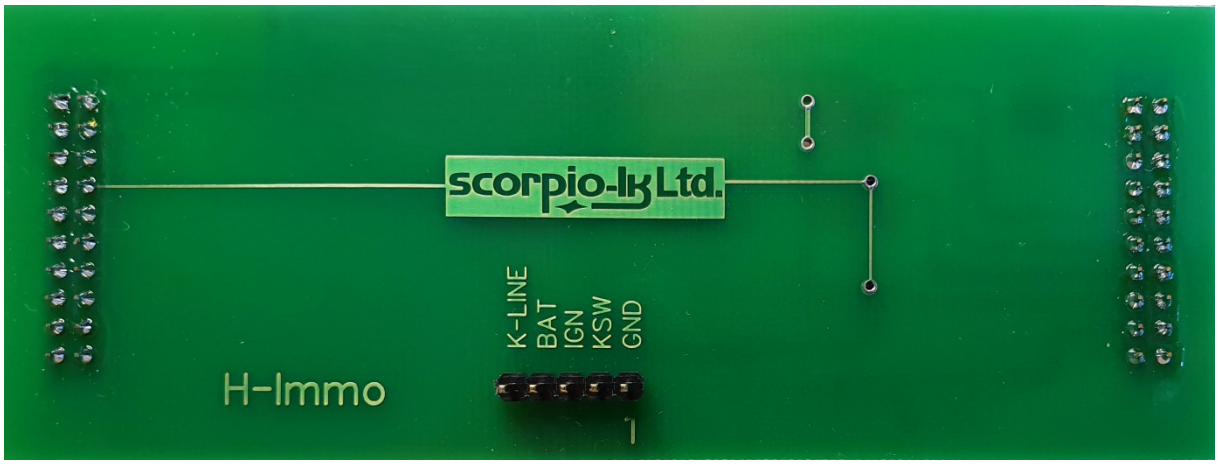
Introduction

This Help relates to Tango software version 1.139.4 (November 2026) and Barracuda software version 40 (November 2026). The system allows to solve all keys lost (AKL) situation on Subaru vehicles equipped with 80 & 128 bit immobilizers (**V1 128bit**, **V2 80bit**), by creating a master key on LKP-04/06 for 128bit and LKP-02/06, CN5 for 80bit without need to replace or reset the immobilizer. During the process car data is not altered in any way.

System requirements:

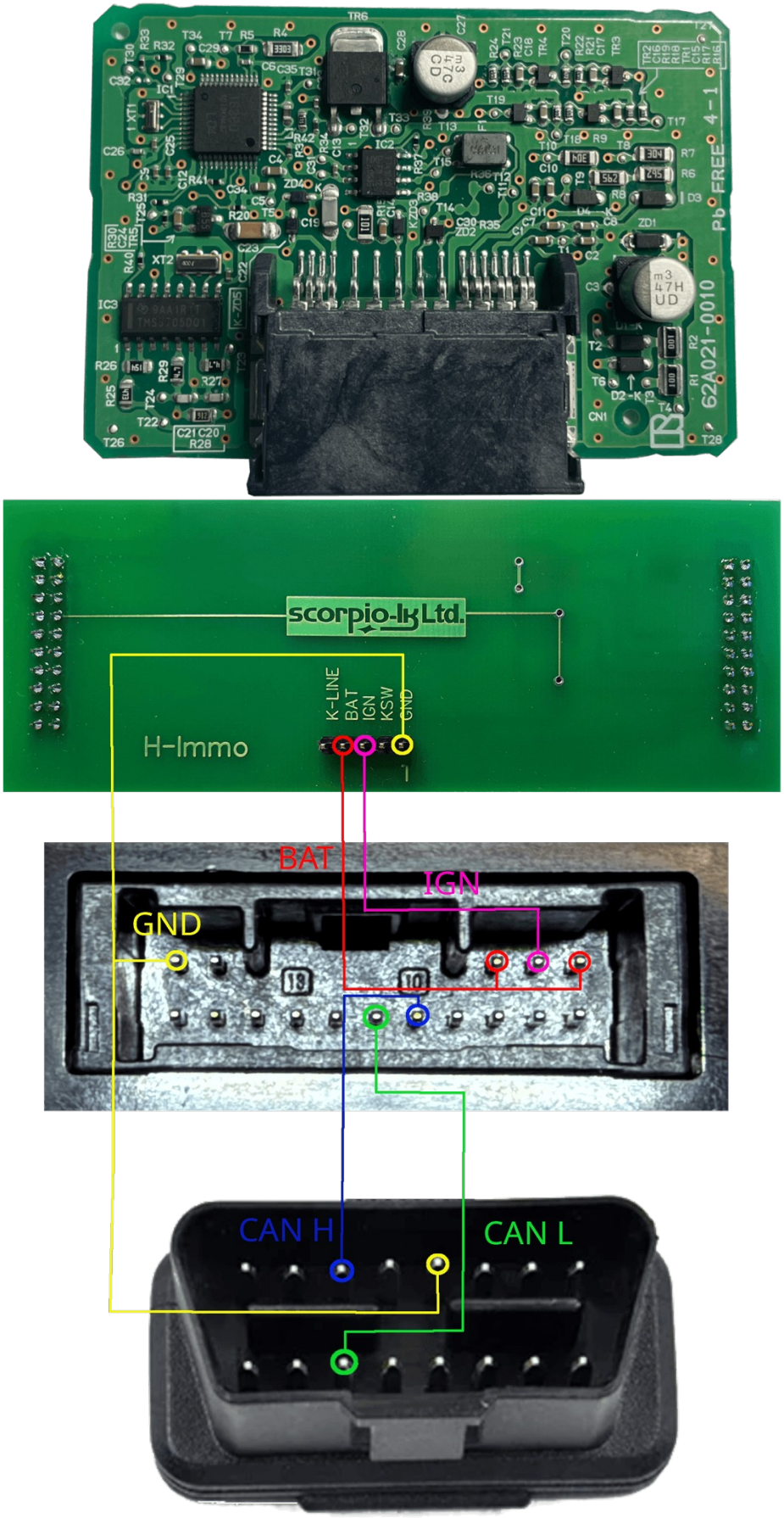
- Barracuda programmer
- Barracuda Adapter H-Immo
- Barracuda subscription
- Tango programmer
- LKP-02/04/06, CN5 transponder
- Tango subscription
- J2534 PassThru adapter

Barracuda Adapter H Immo

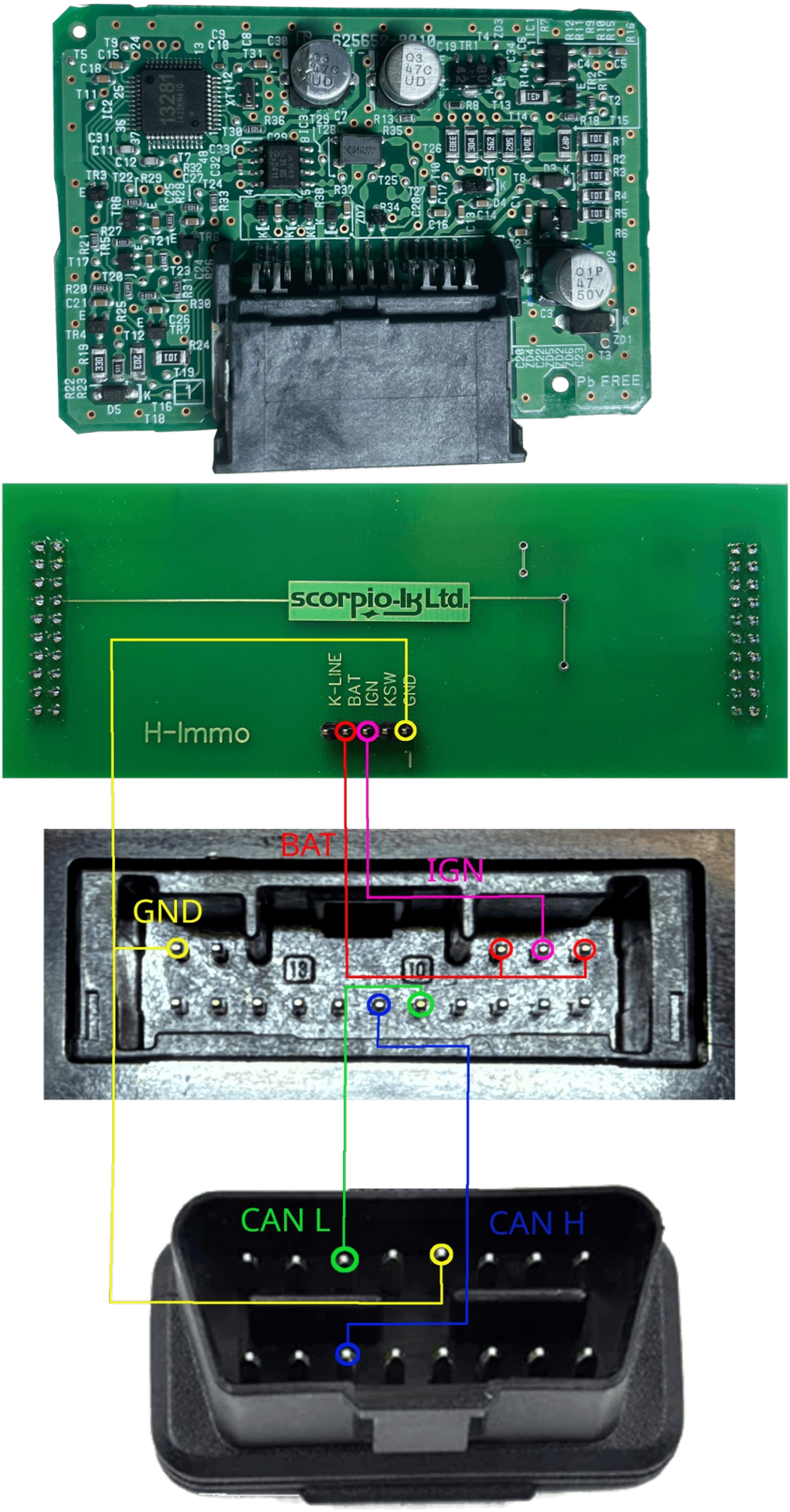


II. Wiring diagrams

V1 128bit



V2 80bit


scorpio-lx Ltd.
H-Immo
K-LINE
BAT
IGN
KSW
GND
BAT
IGN
GND
13
10
CAN L
CAN H

III.Operation Procedure

The system can be summarized in two main stages, which are described below:

[Read Immobilizer data with Barracuda]

[Master Key Creation (Write Transponder) with Tango]

Read Immobilizer data

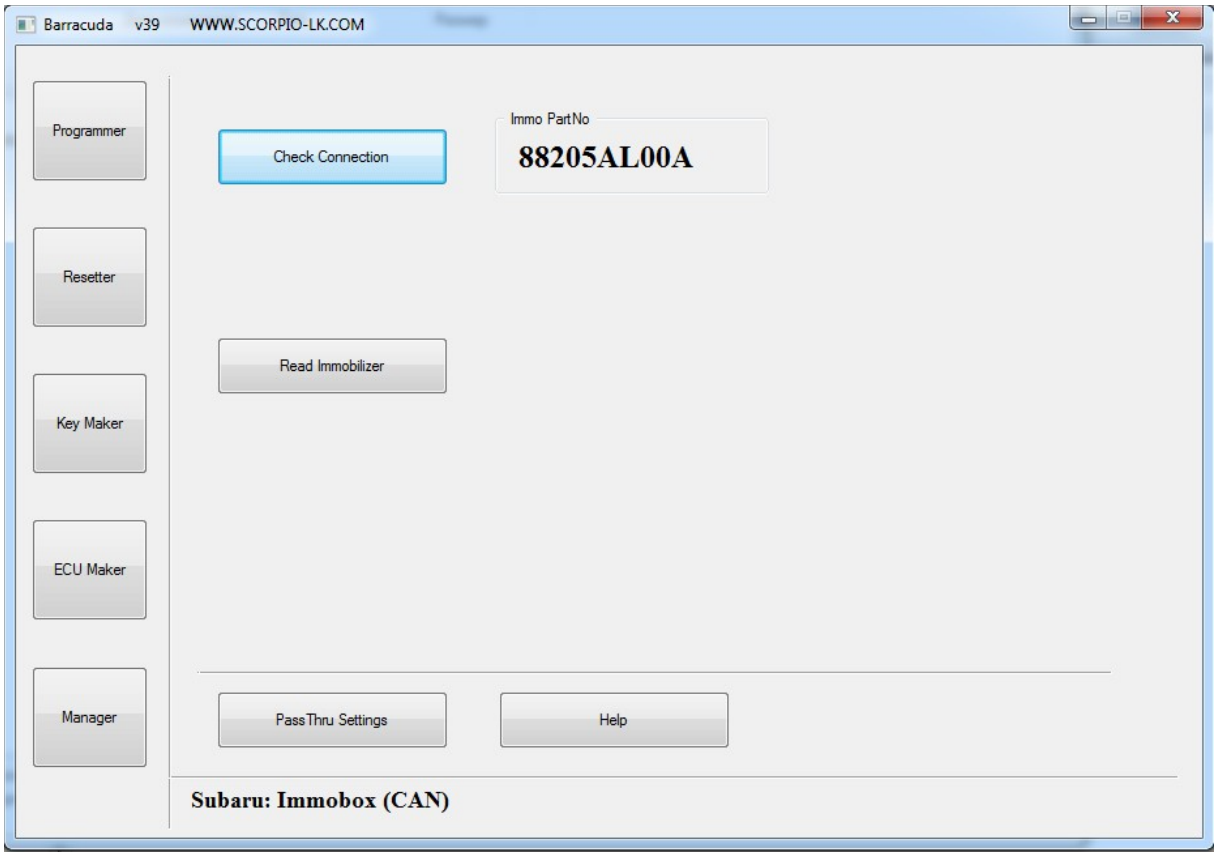
1. Take off the vehicle Immobilizer and connect it according to type (V1 128bit or V2 80bit).

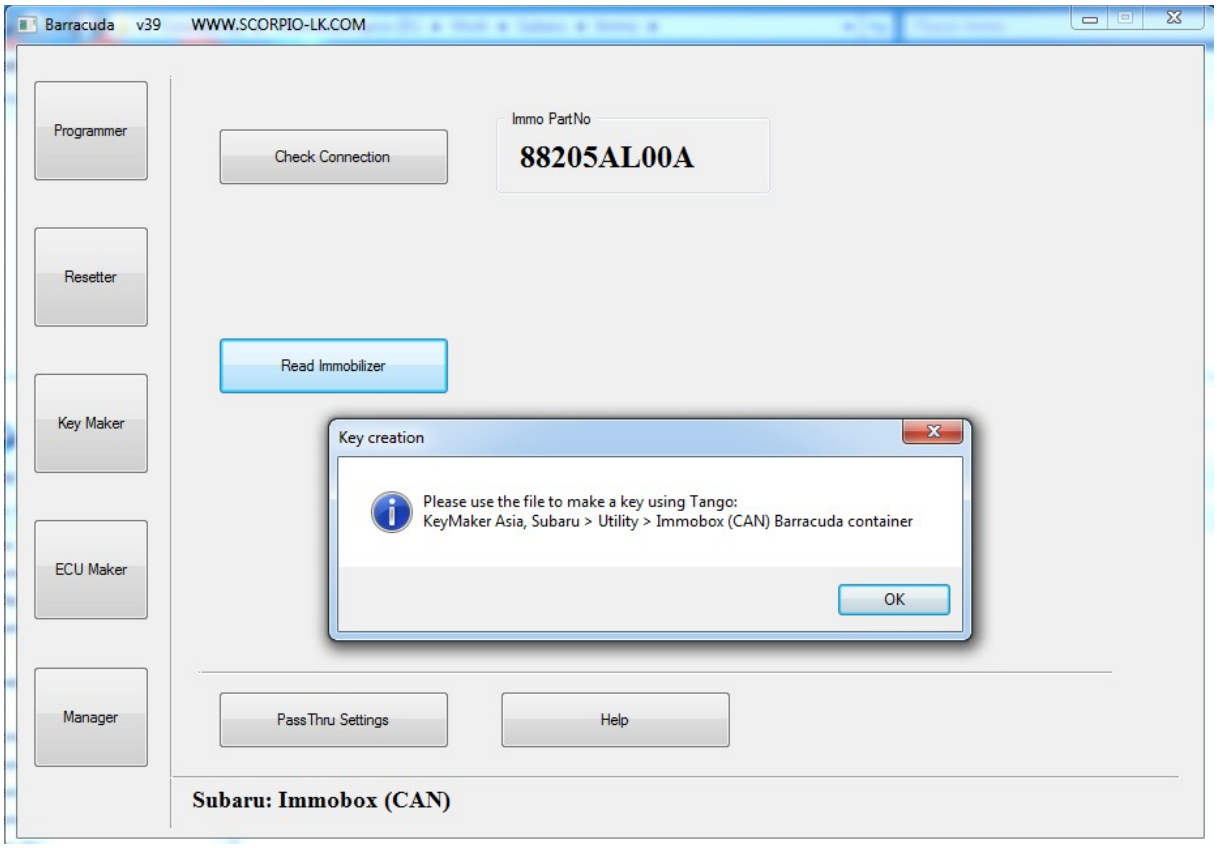
* Note – Chinese and knock off OBD adapters might required external +12V power supply. Genuine ones, like Tactrix Openport, don't require external power.

2. Connect Barracuda and start its software

3. Select ECU Maker→Subaru→Immobox(CAN). Select your OBD adapter drivers via PassThru Settings

4.Press Check Connection to verify and read part number.



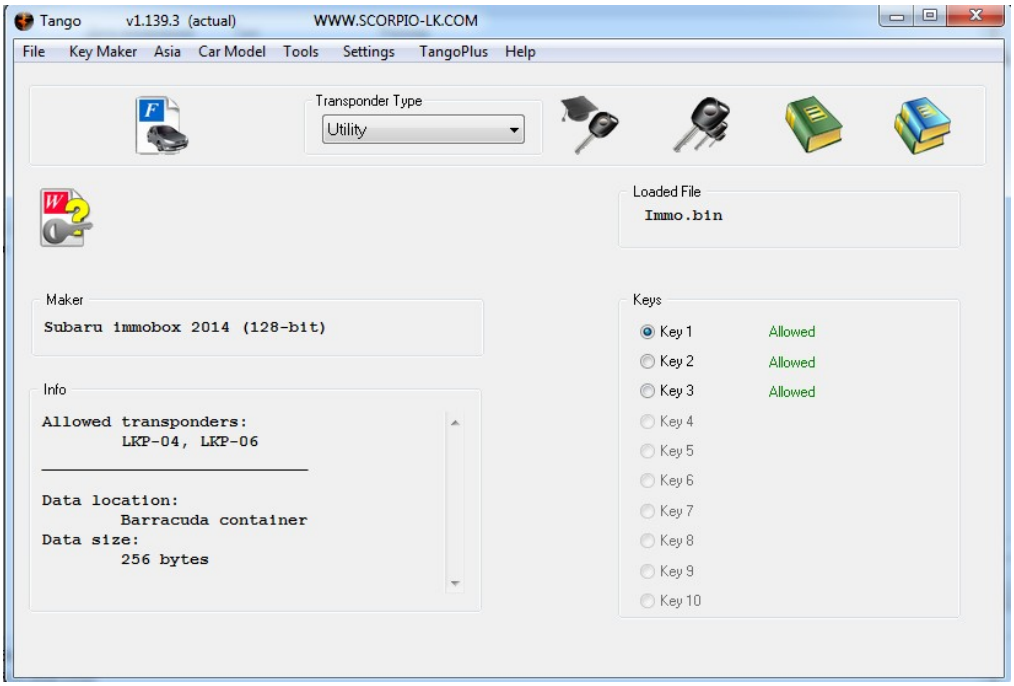


5. Press Read Immobilizer and Save the dump file (*.bin)

After step 5 there are no more operations concerning the immobilizer, so it can be returned to the vehicle

Master Key Creation (Write Transponder)

1. Connect Tango and start its software
2. Select region Asia, then Subaru→Utility→Immobox (CAN) Barracuda container
3. Place a transponder emulator in Tango coil (allowed transponders are defined by immobilizer type)



4. Open the dump file saved in step 5 of Read Immobilizer data stage
5. Press write then select the emulator type accordingly in the dialog window and press OK
6. Wait until Tango finishes writing the transponder.

After step 6 the created transponder becomes a master key for the vehicle and can be used to start the vehicle or initiate diagnostic authorization to add more keys (generated or original).