

# Toyota H Immobilizer All Keys Lost solution (Gen1 11910 & Gen2 12xxx)

## I. Getting Started

### Introduction

This Help relates to Tango software version [1.115](#) (September 2019) and Barracuda software version [13](#) (September 2019). The system allows to solve all keys lost (AKL) situation on **Toyota & PSA** vehicles equipped with all currently known generations (**Gen1 MCU 11910, Gen2 MCU 12xxx**) of 128bit H immobilization system (Page1 **39,59,3A,5A**) regardless of market (EU/Asia/USA), by creating a master key on [LKP-04](#) 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 activation H Immo](#)
- [Tango programmer](#)
- [LKP-04 transponder](#)
- [Toyota maker](#)
- [Toyota Image Generator H](#)

### Barracuda Adapter H Immo



## II. Operation Procedure

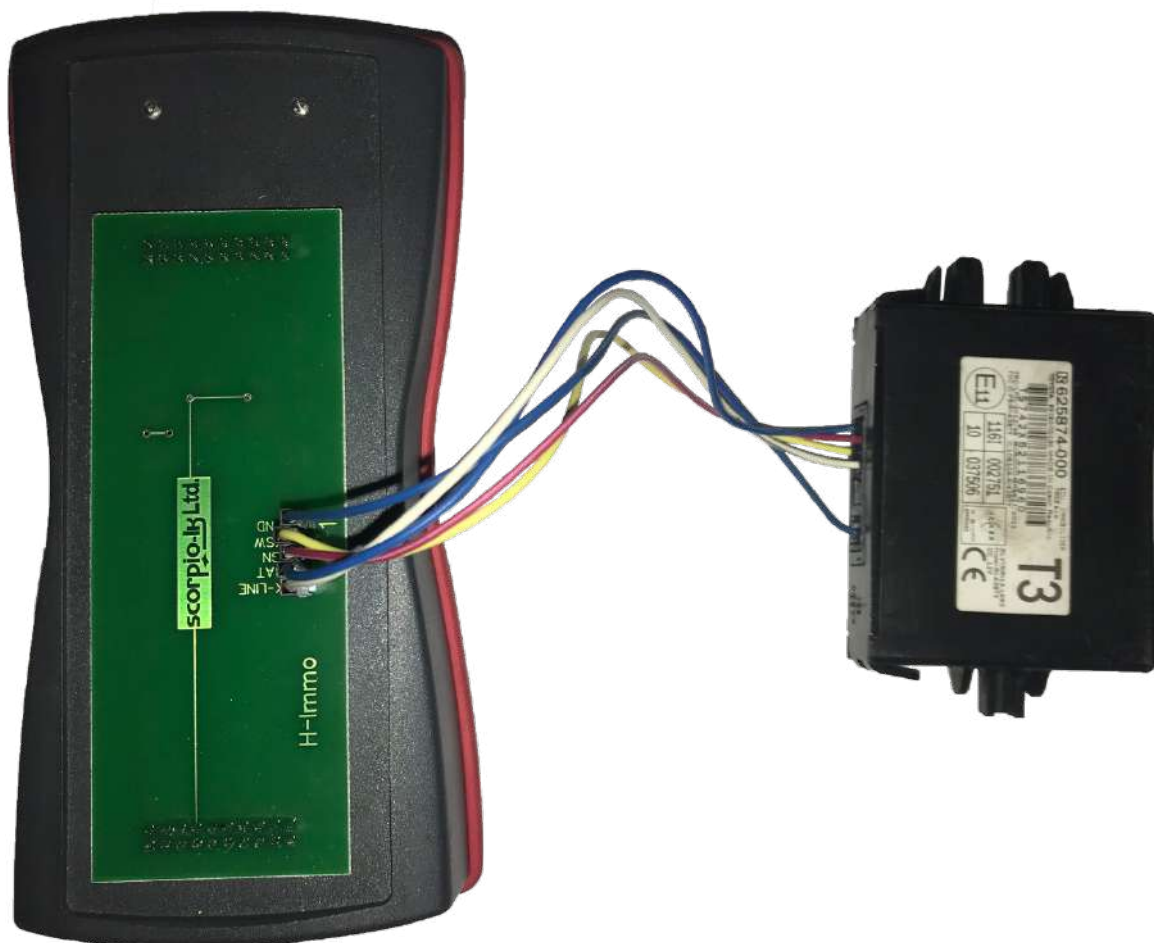
The system can be summarized in two main stages, which are described below:

[Read Immobilizer data with Barracuda](#)

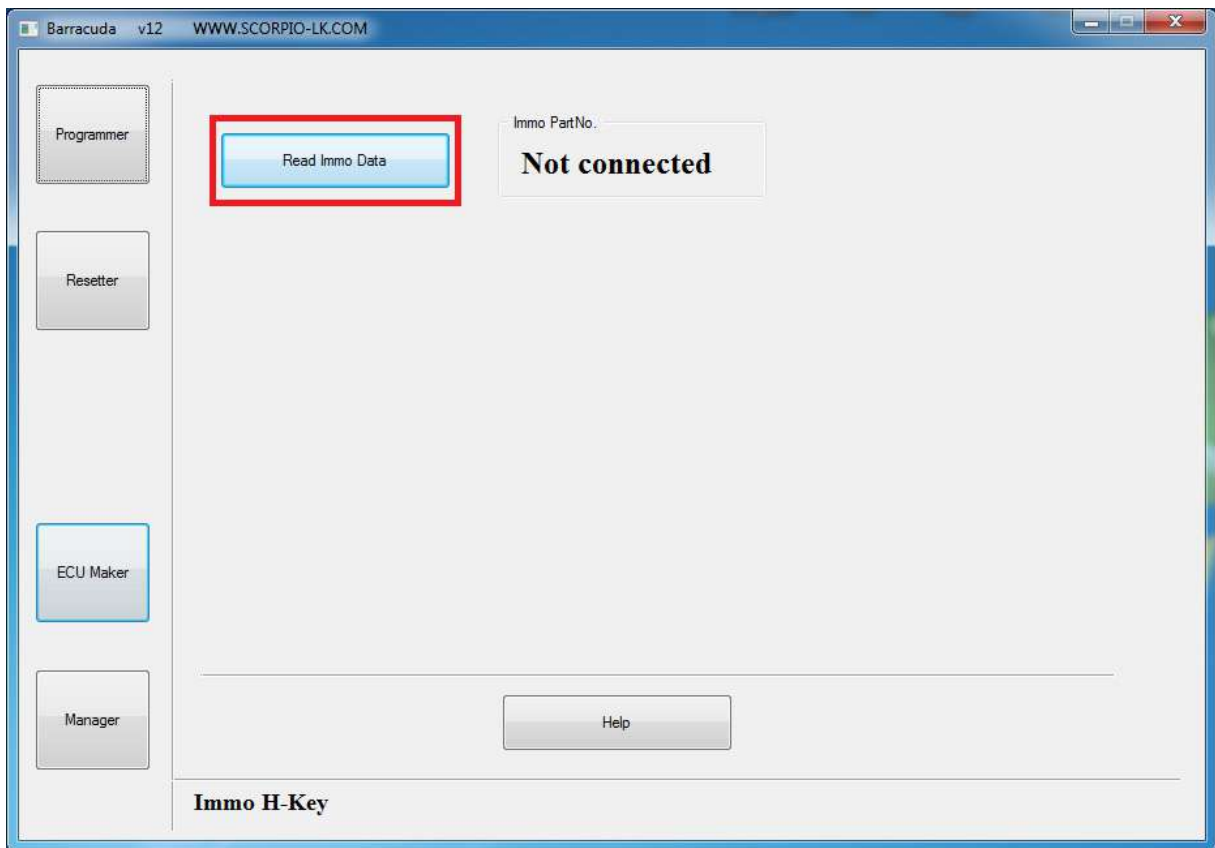
[Master Key Creation \(Write Transponder\) with Tango](#)

### Read Immobilizer data

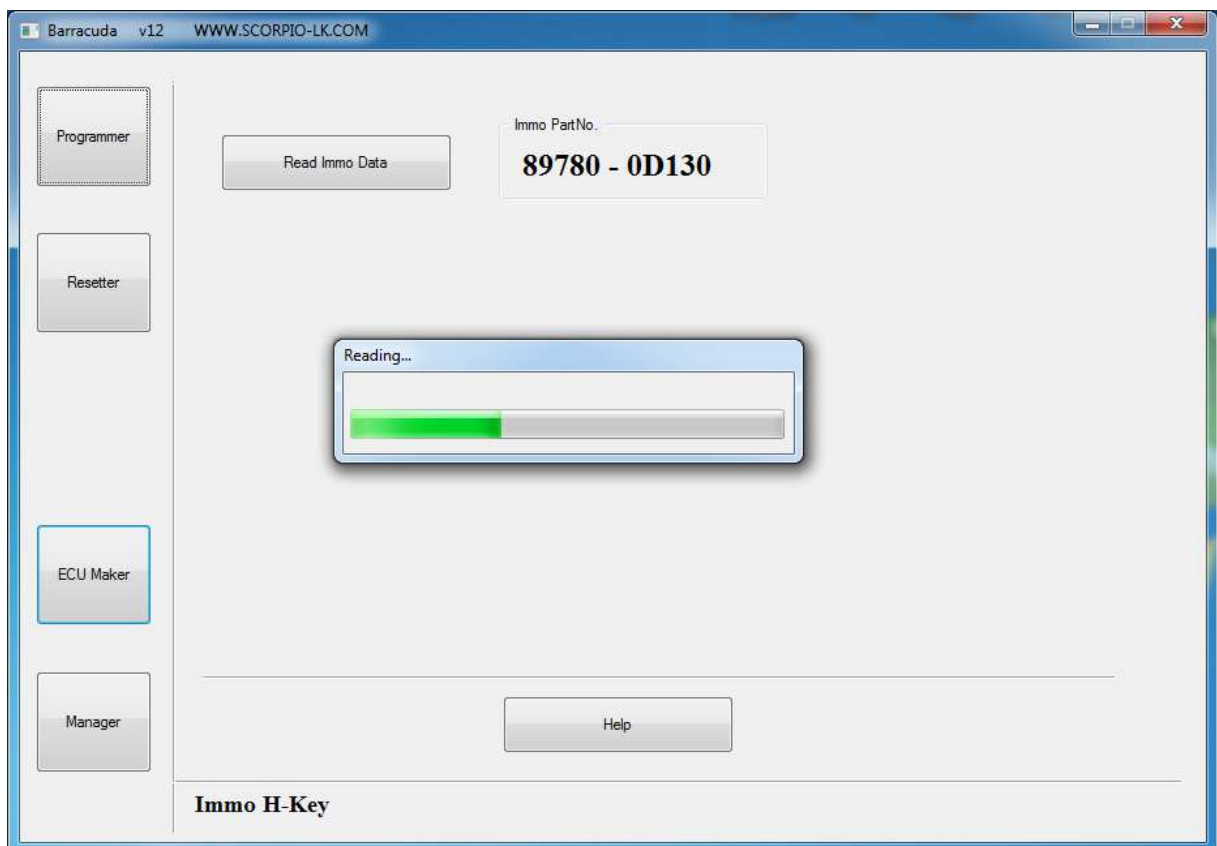
1. Take off the vehicle Immobilizer and connect it to Adapter H Immo (PSA system variant [Citroen C1, Peugeot 108 & Toyota Aygo] **doesn't** require connection to KSW )



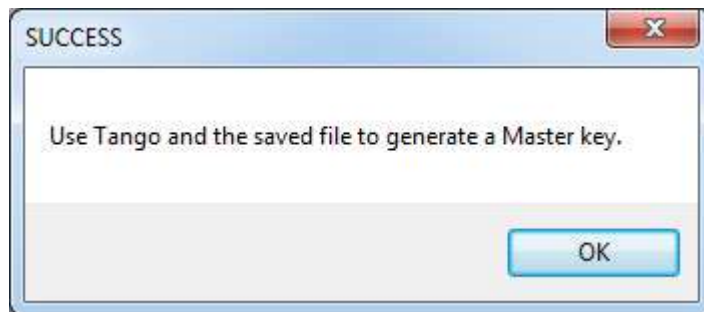
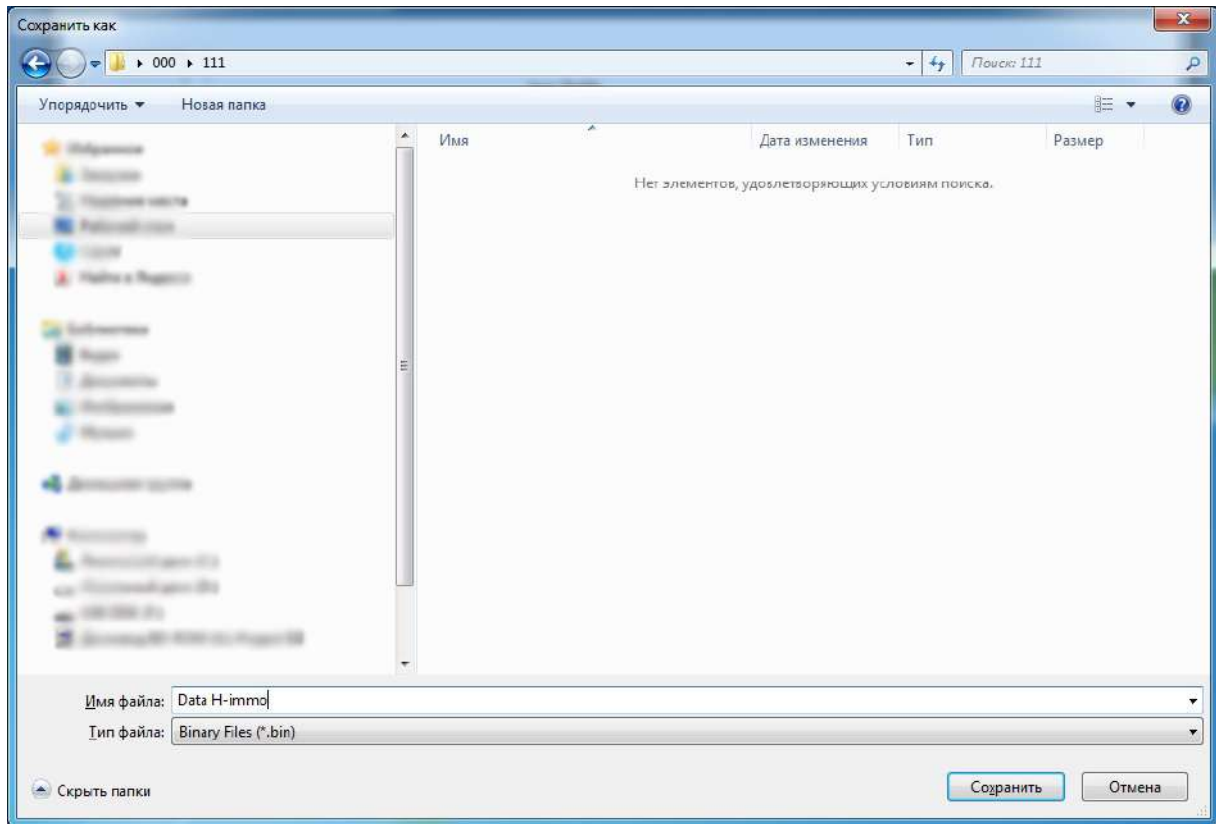
2. Connect Barracuda and start its software
3. Select ECU Maker->H-Immo. Then press Read Immo Data



4. Barracuda will connect to Immo, its part number will be shown, wait until readout is finished.



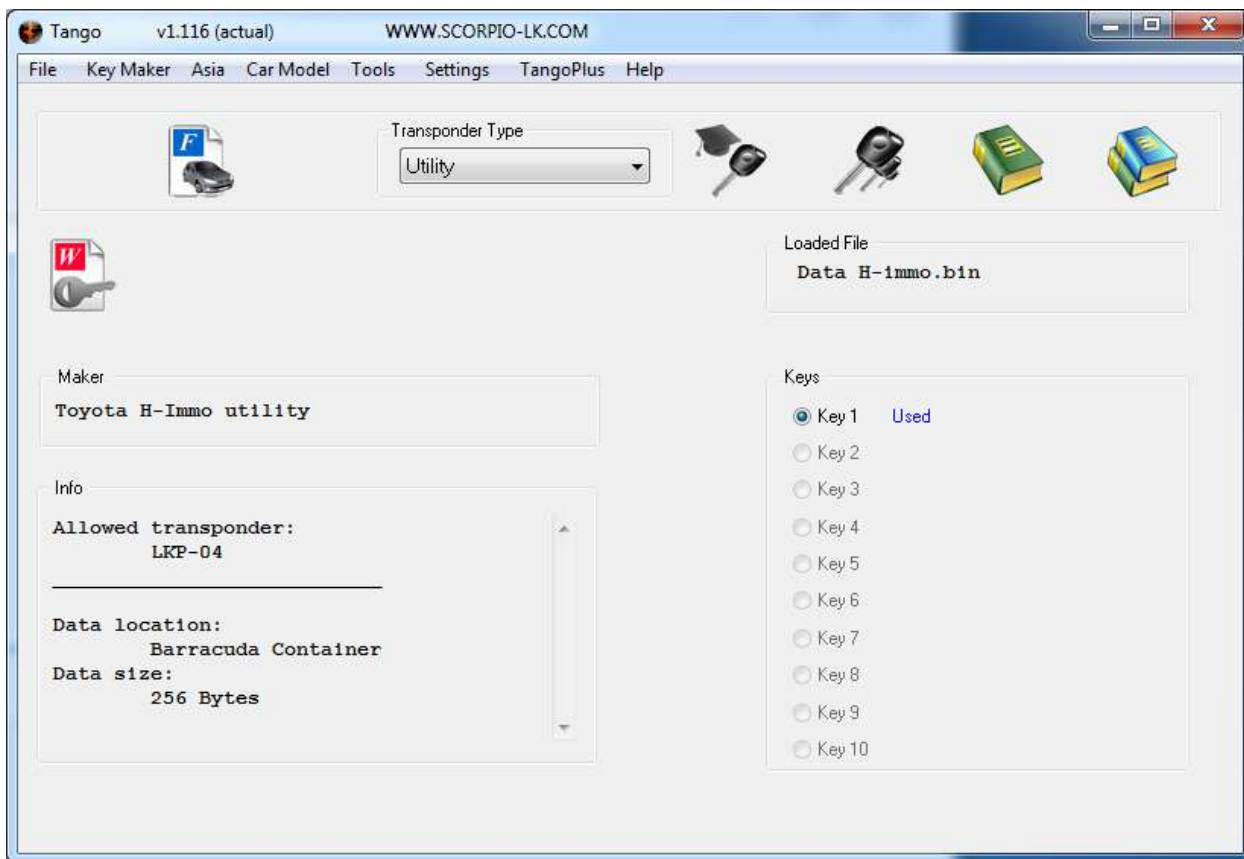
## 5. Save the dump file (\*.bin)



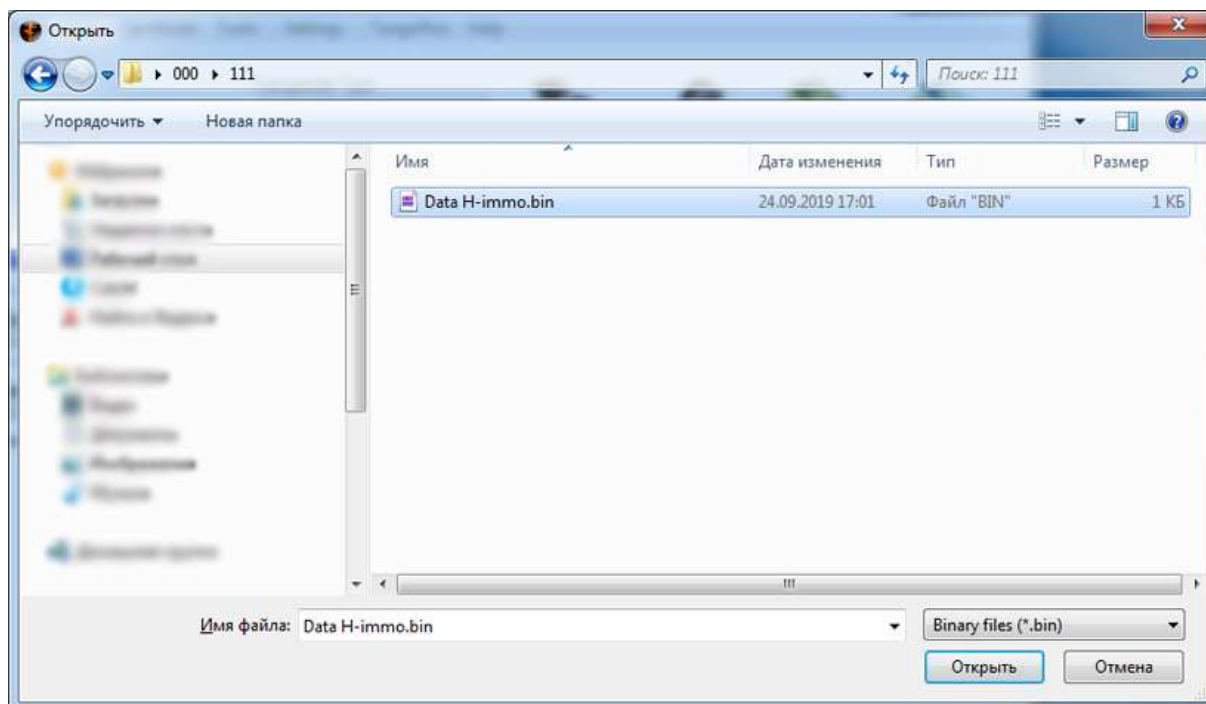
After step 4 there are no more operations concerning the immobilizer so it can be returned to vehicle

## Master Key Creation (Write Transponder)

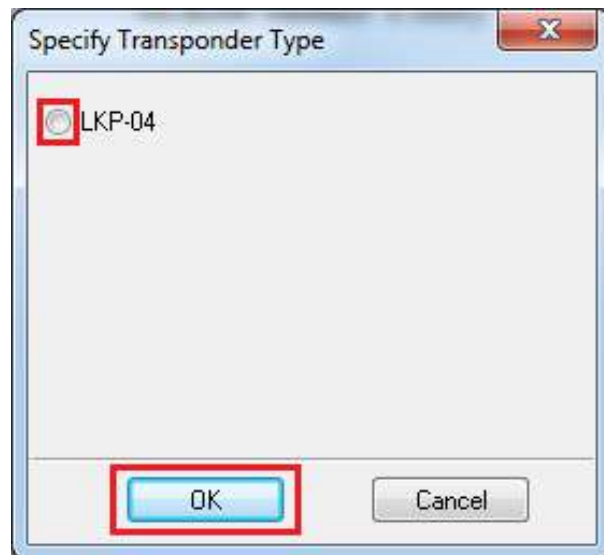
1. Connect Tango and start its software
2. Select region Asia, then Toyota->Utility->H-Immo
3. Place a [LKP-04 transponder](#) in Tango coil



4. Select the dump file saved in step 5 of [Read Immobilizer data stage](#)



5. Select LKP-04 in the dialog window and press OK



6. Wait until Tango finishes writing the transponder.

After step 6 the created LKP-04 transponder becomes a master key for the vehicle and can be used as diagnostic authorization (example Techstream ) to add TRPWS21 H keys (either Tango generated or original).

