

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

## I. Getting Started

#### Introduction

This Help relates to Tango software version <u>1.115</u> (September 2019) and Barracuda software version <u>13</u> (September 2019). The system allows to solve all keys lost (AKL) situation on Toyota 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 <u>LKP-04</u> 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
- <u>Tango programmer</u>
- LKP-04 transponder
- <u>Toyota maker</u>
- <u>Toyota Image Generator H</u>

#### Barracuda Adapter H Immo



### **II. Operation Procedure**

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

<u>Read Immobilizer data with Barracuda</u> <u>Master Key Creation (Write Transponder) with Tango</u>

### **Read Immobilizer data**

1. Take off the vehicle Immobilizer and connect it to Adapter H Immo





2. Connect Barracuda and start its software

Barracuda v12	WWW.SCORPIO-LK.COM	x
Programmer	Read Immo Data Not connected	
Resetter		
5011 Madara		
ECU Maker Manager	Help	
	Immo H-Key	_

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.

Barracuda v12	WWW.SCORPIO-LK.COM	X
Programmer	Immo PartNo. Read Immo Data 89780 - 0D130	
Resetter		
	Reading	
ECU Maker		
Manager	Help	
	Immo H-Key	

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

Сохранить как		
		<ul> <li>- 4<sub>2</sub></li> <li>Поиск: 111</li> </ul>
Упорядочить 🔻 Новая папка		!≡ ▾ 🔞
<ul> <li>Magness</li> <li>Magness</li> <li>Mathematicana</li> <li>Ma</li></ul>	<ul> <li>Имя</li> <li>Дата изменения</li> <li>Нет элементов, удовлетворяющих у</li> </ul>	Тип Размер условиям поиска.
Имя файла: Data H-immo		•
<u>Т</u> ип файла: Binary Files (*.bin)		<b></b>
🛞 Скрыть папки		Со <u>х</u> ранить Отмена

SUCCESS
Use Tango and the saved file to generate a Master key.
ОК

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 <u>LKP-04 transponder</u> in Tango coil
- 4. Press Open File button

Maker     Keys       Foyota H-Immo utility <ul> <li>Key 1</li> <li>Key 2</li> <li>Key 3</li> <li>Alloved transponder:</li> <li>Key 4</li> <li>Key 5</li> </ul>	Utility	r Type	
Maker       Keys       Toyota H-Immo utility            • Key 1         • Key 2         • Key 3         • Key 3         • Key 4         • Key 5         • Key 5		Loaded File <b>No file</b>	
oyota H-Iamo utility <ul> <li>Key 1</li> <li>Key 2</li> <li>Key 3</li> </ul> <ul> <li>Key 4</li> <li>Key 5</li> </ul> <ul> <li>Key 5</li> </ul> <ul> <li>Key 5</li> </ul> <ul> <li>Key 5</li> <li>Key 5</li> <li>Key 5</li> <li>Key 5</li> </ul> <ul> <li>Key 5</li> </ul>		Keys	
fo         Key 2           Key 3         Key 4           Lloved transponder:         Key 4           Key 5         Key 5	o utility	Key 1	
Iloved transponder:		O Key 2	
Illoved transponder:		C Key 3	
O Key 3	sponder:	C Key 4	
		C Key S	
Barracuda Container	acuda Container	Key 0	
256 Bytes	Bytes	C Key 8	
○ Key 9		O Key 9	
○ Key 10		O Kay 10	

4.Select the dump file saved in step 5 of <u>Read Immobilizer data stage</u>

Открыть		adapter and			
→ 000 → 111	_	-	• 47	Поиск: 111	,
Упорядочить 👻 Новая папка	1			8	• • 🔟 🔞
· man	^	Имя	Дата изменения	Тип	Размер
Instanto		🔳 Data H-immo.bin	24.09.2019 17:01	Файл "BIN"	1 KB
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C lair	=				
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<ul> <li>Hodgestow</li> </ul>					
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<u>И</u> мя файла:	Data H-im	mo.bin	•	Binary files (*.bir	n) 🔻
				Открыть	Отмена

5. Select LKP-04 in the dialog window and press  $\ensuremath{\mathsf{OK}}$ 

Transpond Utility	er Type	۵
	Loaded File Data H-Inno.bin	
Maker	Keys	
oyota H-Immo utility	Key 1 Used	
	() Кеу 2	
nfo	О Кеу З	
LKP-04	O Key 4	
	O Key 5	
ata location: Barracuda Container	C Key 6	
ata size: 256 Bytes	O Key /	
	O Key 8	
×	C Key J	
	U Key ID	

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).

