OBDSTAR®
OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
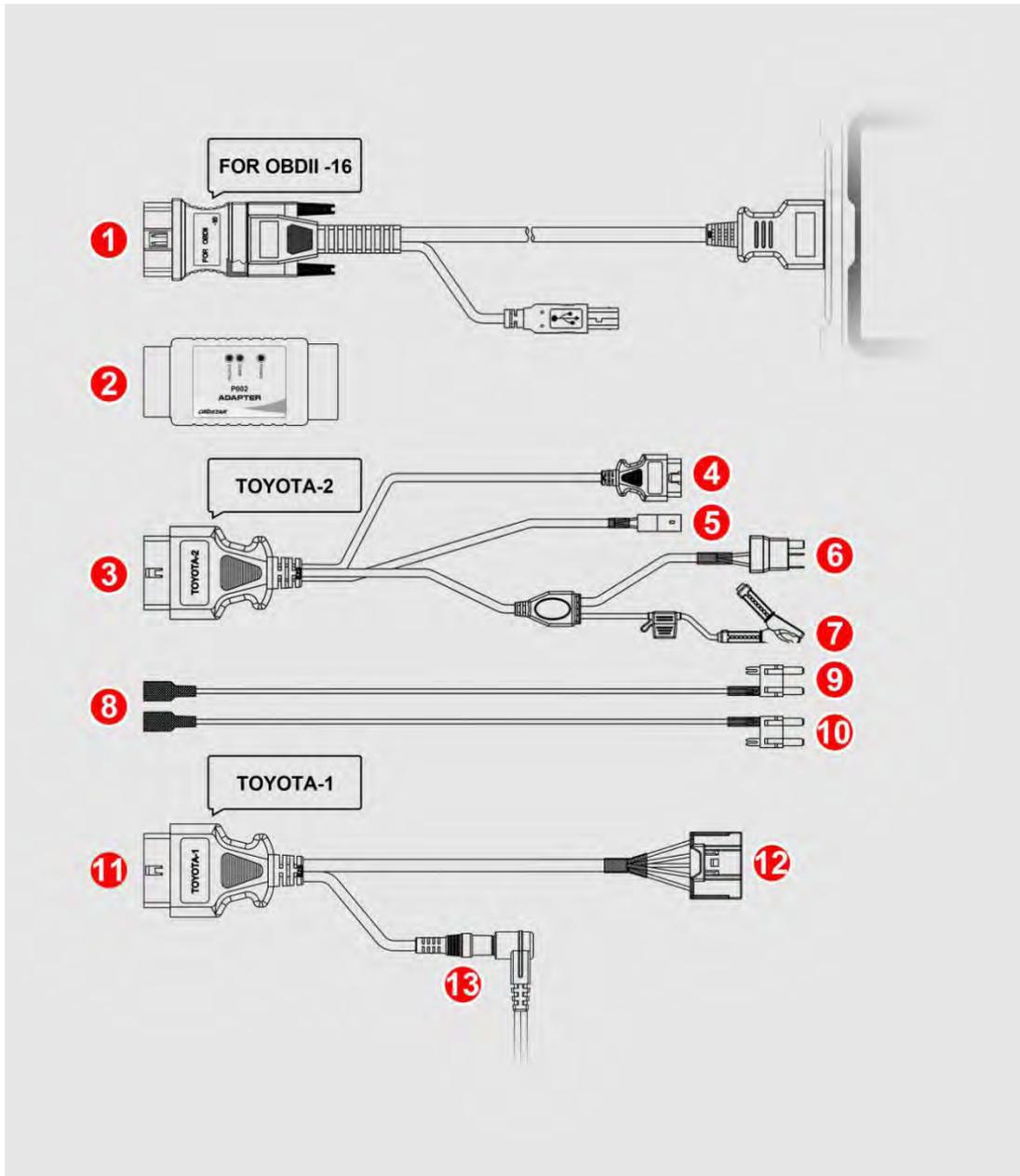Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA 8A NON-SMART KEY ALL KEYS LOST

PROGRAMMING CABLES CONNECTING METHODS

①Development Background

In normal situation, TOYOTA 8A H blade keys can't be added or erased in all keys lost except changing expensive new IMMO box. So TOYOTA all keys lost cables are developed, by which diagnostic device can read IMMO data and make master key to start the vehicle. The master key will help adding and erasing keys.

OBDSTAR
OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
▌Nanshan District, Shenzhen, 518000, P.R. China

②Equipment Overview

1. Diag cable OBD connector(male)
2. P002 adapter
3. Connect P002 connector(female)
4. Connect vehicle OBD diag connector(male)
5. Lock plug
6. Relay plug
7. Battery clip(positive pole)
8. Jumper plug(relay)
9. Jumper plug(fuse blue)

www.obdii365.com

OBDSTAR Technology Co., Ltd

+86 755 86707161 www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone, Nanshan District, Shenzhen, 518000, P.R. China

10. Jumper plug(fuse brown)
11. Connect P002 connector TOYOTA-1 female (BENCH)
12. Connect ECU connector TOYOTA-1 female (BENCH)
13. TOYOTA-1 cable 12V power supply(BENCH)

③**Support Car Models**

Work on RAV4, HILUX, CROWN KLUGER, COROLLA, CAMRY, LEVIN, PRADO, REIZ IMMO transponder no need to disassemble all keys lost and IMMO box BENCH mode all keys lost.
Warm tips: not support partial US 8A H car models currently.

OBDSTAR

OBDSTAR Technology Co., Ltd

📞 +86 755 86707161   🌐 www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
▌Nanshan District, Shenzhen, 518000, P.R. China

④All Keys Lost Programming

Operation steps

IMMO ⇒ Asia ⇒ TOYOTA LEXUS ⇒ TOYOTA/LEXUS V32.45 ⇒ Manual Select System ⇒ BLADE ⇒ TYPE3(WHIT H 8A/8E)⇒ EUROPE⇒Europe

IMMO   TOYOTA/LEXUS

SN:951499990029

TOYOTA/LEXUS V32.45   ✓

TOYOTA/LEXUS V32.43

💬 TOYOTA/LEXUS

Esc   Enter

TOYOTA/LEXUS   TOYOTA/LEXUS V32.45

Manual Select Model

Manual Select System   ✓

Esc   Enter

www.obdii365.com

OBDSTAR
OBDSTAR Technology Co., Ltd
+86 755 86707161   www.obdstar.com
B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Manual Select System

BLADE ✓

PROXIMITY

REMOTE

Esc   Enter

TOYOTA/LEXUS BLADE

TYPE 1(67/68)

TYPE 2(WITH G 72)

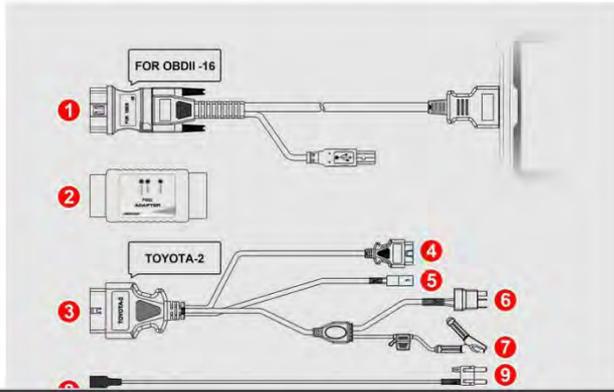TYPE 3(WITH H 8A/8E) ✓

TYPE 4(4C)

TYPE 5(AVANZA)

TYPE 6(FRS)

Esc   Enter

OBDSTAR
OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS	TYPE 3(WITH H 8A/8E)
USA	
MIDDLE EAST	
EUROPE	✓

| | Esc | Enter |

Function menu

TOYOTA/LEXUS	EUROPE
Read Immo Data	✓
Make Start Key	
Program Key	
Erase Key	
Replace Immobiliser ECU	
Replace Engine ECU	

| Instructions | | Esc | Enter |

OBDSTAR
OBDSTAR Technology Co., Ltd
+86 755 86707161   www.obdstar.com
B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

Button—Instructions

TOYOTA/LEXUS Instructions

Instructions

I.ALK Read Immo Data function equipment list

Esc

TOYOTA/LEXUS Instructions

Esc

OBDSTAR
OBDSTAR Technology Co., Ltd
+86 755 86707161   www.obdstar.com
◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
▌ Nanshan District, Shenzhen, 518000, P.R. China
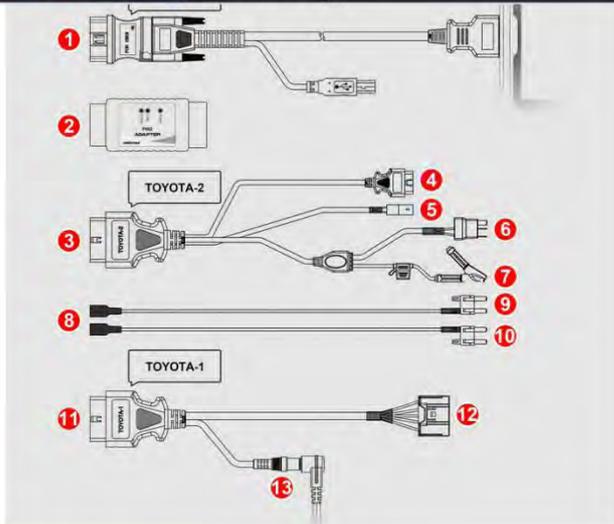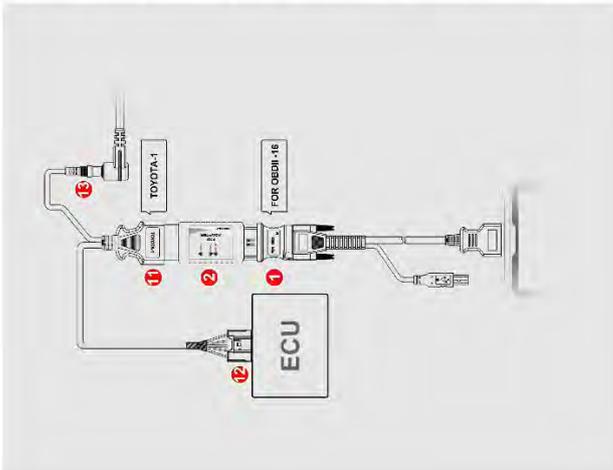
TOYOTA/LEXUS Instructions

1 : Diag cable OBD connector(male)
2 : P002 adapter
3 : Connect P002 connector(female)
4 : Connect vehicle OBD Diag connector(male)
5 : Ignition Lock Plug
6 : Relay Plug
7 : Battery clip(Positive pole)
8 : Relay Jumper Plug(Connect NO.6 by cable color)
9 : Jumper Plug(Fuse Blue)
10 : Jumper Plug(Fuse Brown)
11 : Connect P002 connector TOYOTA-1 female(BENCH)
12 : Connect ECU connector TOYOTA-1 female(BENCH)
13 : TOYOTA-1 cable 12V power supply(BENCH)

## II. ALK Read Immo Data function(BENCH mode wiring diagram)

Esc

TOYOTA/LEXUS Instructions

II. ALK Read Immo Data function(BENCH mode wiring diagram)

Esc

www.obdii365.com

OBDSTAR
OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Instructions

III. ALK Read Immo Data function(No Need To Disassemble)

Step 1: Connect 1, 2, and 3 together;

Esc
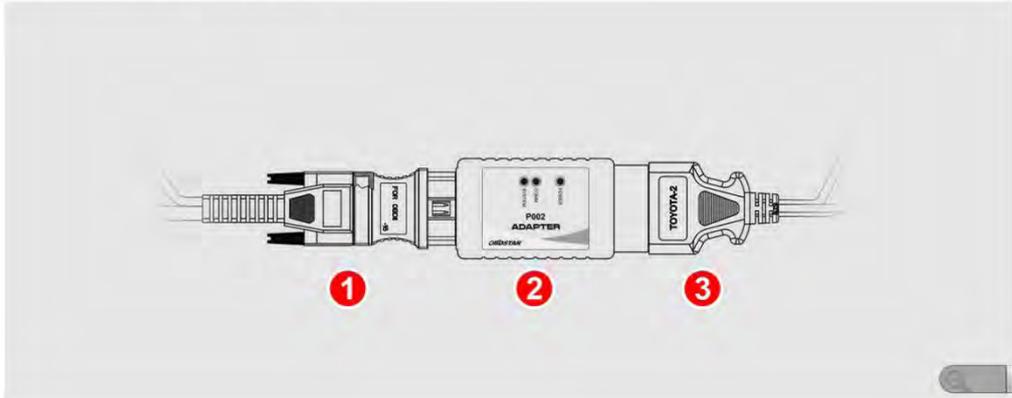
TOYOTA/LEXUS Instructions

Step 2: Plug 4 into vehicle's OBDII diag connector;

Step 3: Remove the lower shell of the vehicle ignition switch lock, pull out the plug of the ignition switch lock, plug

of the ignition switch lock plug into NO.5;

Esc

OBDSTAR
OBDSTAR Technology Co., Ltd

📞 +86 755 86707161   🌐 www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
▌Nanshan District, Shenzhen, 518000, P.R.   China

TOYOTA/LEXUS Instructions

Step 3: Remove the lower shell of the vehicle ignition switch lock, pull out the plug of the ignition switch lock, plug

of the ignition switch lock plug into NO.5;

Esc

TOYOTA/LEXUS Instructions

Step 4:

Method 1: Unplug the IG2 relay, Connect 6 to the IG2 relay socket;

Method 2: Unplug the vehicle fuse, Connect NO.6 and NO.8 by cable color, NO.9 and NO.10 are plugged into the cor

responding fuse sockets(Choose according to the model);

e.g. LEVIN by method 1:

Esc

OBDSTAR

OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
▌Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Instructions

雷凌
LEVIN

e.g. REIZ by method 2:

锐志
REIZ

副驾地板上方
Above the floor of CO
driver

Esc

TOYOTA/LEXUS Instructions

车头方向
Front direction

10A 点火
Ignition

7.5A 防盗
IMMO

蓝 blue

拔掉原车保险丝，按图示方向、颜色插入跳线。
Pull out the fuse of the original car and insert the jumper
according to the direction and color shown in the figure.

Esc

OBDSTAR
OBDSTAR Technology Co., Ltd

📞 +86 755 86707161   🌐 www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
▌Nanshan District, Shenzhen, 518000, P.R.   China

TOYOTA/LEXUS Instructions

Step 5: Remove the positive cable of the vehicle from the positive terminal of the battery (note: Don't short-circuit t he positive cable with the vehicle body!!!), clamp the positive terminal with NO.7;

Step 6: Select Read Immo Data menu to read immo data and save it to the device(Select the saved data to generat e the start key,Then proceed to key programming), It is recommended to use the Key SIM to generate the start key;

Step 7: Remove all the connections between the TOYOTA-2 cable and the vehicle, connect the positive cable of the

Esc

TOYOTA/LEXUS Instructions

Step 6: Select Read Immo Data menu to read immo data and save it to the device(Select the saved data to generat e the start key,Then proceed to key programming), It is recommended to use the Key SIM to generate the start key;

Step 7: Remove all the connections between the TOYOTA-2 cable and the vehicle, connect the positive cable of the vehicle to the positive terminal of the battery, Select the saved Immo data to generate the start key,Then proceed t o key programming;

Esc

OBDSTAR
OBDSTAR Technology Co., Ltd

📞 +86 755 86707161   🌐 www.obdstar.com
◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
▌Nanshan District, Shenzhen, 518000, P.R. China

Execute the function—Read Immo Data

TOYOTA/LEXUS EUROPE	
Read Immo Data	✓
Make Start Key	
Program Key	
Erase Key	
Replace Immobiliser ECU	
Replace Engine ECU	
Instructions	Esc Enter

TOYOTA/LEXUS Information
This function is available by connecting the server, please ensure the Internet connection is normal.
Esc Enter

OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
█ Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Information

1. This function requires the use of P002 adapter, TOYOTA-2 cable or TOYOTA-1 (BENCH mode) cable. For the usage method, please check the operation instructions of this interface or menu interface;

2. Whether the P002 adapter, TOYOTA-2 cable or TOYOTA-1 (BENCH mode) cable connected correctly?

| Instructions | | Esc | Enter |

TOYOTA/LEXUS Read Immo Data

Reading data...

www.obdii365.com

OBDSTAR
OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS EUROPE

Please reenter the filename to save:

Toyota_0518152101_XXXX

1	2	3	4	5	6	7	8	9	0	⌫
q	w	e	r	t	y	u	i	o	p	,
a	s	d	f	g	h	j	k	l	.	⇧
z	x	c	v	b	n	m	_	-		⌄

Execute the function—Make Start Key

TOYOTA/LEXUS EUROPE

Read Immo Data

Make Start Key   ✓

Program Key

Erase Key

Replace Immobiliser ECU

Replace Engine ECU

| Instructions | | Esc | Enter |

www.obdii365.com

OBDSTAR

OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
▌Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Make Start Key

1. This function can generate the Key SIM start key when all the keys are lost.
2. Using the Key SIM start key can replace the original car master key for key programming operations.
3. The Key SIM start key must be kept charged before it can be used, and it needs to be regenerated after power failure.

	Esc	Enter

TOYOTA/LEXUS Select immobiliser data

NO.	File name ▲	time	size
001	Toyota_0517182318_XXXX.BIN	2021/05/17 18:23	90 B
002	Toyota_0518144704_XXXX.BIN	2021/05/18 14:47	90 B
003	Toyota_0518145525_XXXX.BIN	2021/05/18 14:55	90 B

	Esc	Enter

OBDSTAR
OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Make Simulated Card

Please connect Key Sim simulator.

Enter

TOYOTA/LEXUS Make Simulated Card

Connecting, please wait...

OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Make Simulated Card

Loading Module, please wait...

TOYOTA/LEXUS Make Simulated Card

Generating the 8A simulated card, please wait...

www.obdii365.com

OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Information

1. The Key SIM start key is generated successfully.

2. Place the indicator light of the Key SIM start key close to the ignition switch and insert the blade key without chip into the ignition switch, turn the blade key to start the vehicle.

3. If the vehicle can be started normally, please use the Key SIM start key and the blade key without chip instead of the original vehicle master key for key addition and removal operations.

Instructions   **Enter**

TOYOTA/LEXUS Instructions

Key SIM

不带芯片机械钥匙
Blade key without chip

Esc

OBDSTAR
OBDSTAR Technology Co., Ltd

📞 +86 755 86707161   🌐 www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
▌Nanshan District, Shenzhen, 518000, P.R. China

Execute the function—Program Key

TOYOTA/LEXUS EUROPE
Read Immo Data
Make Start Key
Program Key ✓
Erase Key
Replace Immobiliser ECU
Replace Engine ECU

| Instructions | | Esc | Enter |

TOYOTA/LEXUS Information

1 master key is needed to erase or add other keys!

How to identify master key and valet key?
Insert key into ignition, if immobiliser light isn't bright, that is master key;if it is bright for 1 sec and then extinguished, that is valet key.

| | Esc | Enter |

OBDSTAR
OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Information

Insert programmed master key, switch ignition on, press ENTER to continue

Esc   Enter

TOYOTA/LEXUS Information

Insert the key to be programmed and keep the ignition off, then press [ENTER].

Enter

OBDSTAR
OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Information

Wait for about 60 seconds until the immobiliser lights turn off, Done.

Enter

Execute the function—Erase Key

TOYOTA/LEXUS EUROPE

Read Immo Data

Make Start Key

Program Key

Erase Key ✓

Replace Immobiliser ECU

Replace Engine ECU

Instructions   Esc   Enter

OBDSTAR Technology Co., Ltd
+86 755 86707161   www.obdstar.com
◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
▌Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Information

1 master key is needed to erase or add other keys!

How to identify master key and valet key?
Insert key into ignition, if immobiliser light isn't bright, that is master key;if it is bright for 1 sec
and then extinguished, that is valet key.

Esc   Enter

TOYOTA/LEXUS Information

This method can erase all keys except the master key which is in the ignition.
Note: Each procedure must be completed within the specified time, otherwise, erasing will
fail, press ENTER to continue

Esc   Enter

OBDSTAR
OBDSTAR Technology Co., Ltd

+86 755 86707161   www.obdstar.com

◆ B-2, Tsinghua Science Park, North Section of High-tech Industrial Zone,
Nanshan District, Shenzhen, 518000, P.R. China

TOYOTA/LEXUS Information

Perform the following operation within 120 sec, press ENTER to continue
1.Remove the key from ignition

Enter

TOYOTA/LEXUS Information

Remove this master key from ignition within 10 sec, press ENTER to continue

Enter

Erase success

Enter

www.obdii365.com