Instruction for the operation of Anti-theft Key Matching - 2014 Nissan Sylphy

Tested model: SYLPHY 2014, VIN: LGBH52E08E******

Requirements:

Product requirement: X-431 IMMO PRO, X-431 IMMO PAD

Software requirement: Nissan Anti-theft software V10.02 and above

Features: When the key is invalid, lost, adding a key or replacing the IMMO related modules, the key matching is required.

Notes:

- 1. Obtain all the keys, and ensure that the vehicle battery voltage is not less than 12V and the device has sufficient power. Do not use devices that emit strong electromagnetic waves around the antenna of Anti-theft locking system, such as mobile phones, wireless transceivers, etc. when performing "Initialization ECU";
- 2. It is recommended to turn on the hazard warning light switch to prevent the ECU communication from entering the sleep mode during the execution of the function;
- 3. After the key registration completed, it is necessary to perform operation check on all registered keys to ensure vehicle remote controls and key ignition are normal.

Steps

Prepare the key that needs to be matched, connect the diagnostic connector, and select [IMMO], as shown in Figure 1;

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X-431 IMMO Pro V5.0	03.004				Login		
	e			<u>A</u>	i		
іммо		lOG	Intellig	ent Diagnose	Local Diagnose		
ي. الم	R				X		E
Remote Diagnose	Service Fu	nction	Diagn	ostic History	Feedback		
1		2	«	F			
Mall	Software Update	Info C	enter	Vehicle Covera	age Other Modules		
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Select the menu [Anti-Theft Password Reading], the software starts to read the PIN in BCM (Body Control Module) and convert it into a 4-digit password around 2010, as shown in Figure 2-3;

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Show Menu	f		ŀ
NISSAN V10.02 > NATS (Nissan Anti-theft System)			
Anti-Theft Key Matching			
Immobilizer Module Replacement			
Anti-Theft Password Reading			

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Figure 2

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Show Menu			f	ē	P
NISSAN V10.02 > NATS (Nissa	n Anti-theft System)				
Anti-Theft Key Matching					
Immehilizer Medule Denle	Encrypted PIN (Pre-Pin)				
immobilizer Module Repla	Pin(5-digit):d1e74				
Anti-Theft Password Read	Old Password(Before 2010):4933 New Password(After 2010):0429	- 1			
		_			
	ОК				
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	Figure 3				

3. Select the menu **(**Anti-Theft Key Matching **)**, the software starts to automatically scan the system and search for the Anti-theft mode of the vehicle model, click "OK" to enter the corresponding menu path, as shown in Figure 4-5;

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Show Menu f	-	P
NISSAN V10.02 > NATS (Nissan Anti-theft System)		
Anti-Theft Key Matching		
Immobilizer Module Replacement		
Anti-Theft Password Reading		

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Figure 4

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Show Menu			1	1	ē	P
NISSAN V10.02 > NATS (Nissa	n Anti-theft System)					
Anti-Theft Key Matching						
Immobilizer Module Repla		Information				
Anti-Theft Password Read	VIN: LGBH52E08EY Mode: 0x1000d					
		ОК				
Nissan VIN LGBH52E08E\						
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		Figure 5				

4. Select the menu **[Register Key]**, it prompts to delete all registered key IDs, and then prompts the operation of turning off the power and turning on the hazard warning lamp, as shown in Figure 6-8;

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Show Menu	f		₽
NISSAN V10.02 > > Anti-Theft Key Matching			
Register key			

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Figure 6

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Show Menu		A	Ē	P
NISSAN V10.02 > > Anti-The	ft Key Matching			
Register key				
	Information			
	This Procedure Erases All Registered Key Ids. Therefore, All Of The Customer's Keys Should Be Obtained Before Starting This Procedure. do You Want To Continue?			
	End Continue			
·				
Nissan VIN LGBH52E08E				
	Figure 7			
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Show Menu				36 47%
NISSAN V10.02 > > Anti-The	ft Key Matching			•
Register key	Preparation			
	Set The Vehicle To The Following Status, And Then Touch 'OK'. - Ignition Switch Or Power Switch: Lock - Hazard Switch: On (For Preventing BCM From Entering Into Can Communication Sleep Mode) - P (A/T) Or Neutral (M/T) - Battery Voltage: More Than 12.5 V, - Steering: Not In Fully Locked			
	CANCEL			
Nissan VIN LGBH52E08EY				

Figure 8

5. After clicking "Next", the software will determine whether the power is turned off, if it is not turned off, the following Figure 9 will appear, otherwise, go to step 6;

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Current status of ignition switch		
NISSAN V10.02 > > Anti-Theft Key Matching		
Datastream Name	Value	Status
Current status of ignition switch	ON	NG
	Next	
Nissan VIN LGBH52E08EY		
		ſ

(Figure 9, it will automatically skip to step 6 when the power is off)

6. After powering off, the software will automatically obtain the Anti-theft password and perform the operation of Steering Lock Release. After the execution completed, the following instructions for turning on the power will be displayed, as shown in Figure 10;

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Current status of ignition	on switch					f		P
NISSAN V10.02 > > Anti-The	ft Key Matc	hing						
Datastream Name		V	alue		Statu	ls		
Current status of ignition		I	nitialization	ECU				
	Operate [1] Press F And Tui after Pe Automa	e according to Push-Button Ig rn Ignition Swi erforming This atically Procee	the following inition Switch itch To The O operation, T eds To Initializ	Procedures. For 2 Second: n Position. he System zation ECU.	s Or More			
			Next					
Nissan VIN LGBH52E08E								
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Figure 10

7. After clicking "OK", if the power is not turned on, it will display as Figure 11;

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Current status of ignition switch				f		₽
NISSAN V10.02 > > Anti-Theft Key Matching						
Datastream Name	Valu	e		Status		
Current status of ignition switch	OFF			NG		
Next						
Nissan						
VIN LGBH52E08EY						
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(Figure 11, it will automatically skip to step 8 if the power is ON).

8. After the power is turned on, all key IDs will be automatically deleted, and then enter the prompt of key registration operation as shown in Figure 12. This interface is for registering all existing keys. Do not click the "OK" button until all keys registration completed;

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Current status of igniti	Registration Key	A 🖻 🖟
NISSAN V10.02 > > Anti-The	Perform key registration. Operate according to the	
Datastream Name	following procedures. [1].Press power switch and turn power switch to the OFF	S
Current status of ignition	position.	
	[2].Press power switch once. Check that indicator on power switch blinks.	
	[3].Contact the back side of registered Intelligent Key to power switch within 5 seconds. Check that buzzer in combination meter sounds twice.	
	[4].Check that turn power switch changes automatically to the ON position and that security indicator blinks 5 times. Check that power switch turns ON.	
	[5].Press power switch and turn power switch to the OFF position. Wait for 3 seconds or more	
Nissan	Next	
VIN LGBH52EU8E1		

Figure 12

9. After registering all the keys as shown in the figure, click "Next" to complete key registration and the verification of registered keys, as shown in Figure 13-14, key matching completed;

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Current status of igniti	Complete Registration Key	f	ē	F
NISSAN V10.02 > > Anti-The	After Key Registration Operation. The System Returns To			
Datastream Name	Key Registration Mode. Therefore, It Is Necessary To End Operation.	s		
Current status of ignition	operate According To The Following Procedures. [1].Press power switch once.			
	Check that indicator on power switch blinks.			
	[2].Contact back side of registered Intelligent Key to power switch. Buzzer in combination meter sounds for 2 seconds.			
	[3].Press power switch and turn power switch to the OFF position.			
	[4].Check that key warning lamp blinks 5 times when driver door is opened or closed.			
	[5].Check that security indicator blinks at intervals of approximately 3 seconds while power switch is in the OFF			
Nissan	Next			
VIN LGBH52E08EY				
	Figure 13			

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Current status of ignition	n switch			ē	F
NISSAN V10.02 > > Anti-The	Confirmation of Operation				
Datastream Name	Check the following items using all registered keys. [1] But Intelligent Key in the vehicle (within the inside key	S			
Current status of ignition	antenna detection area). Check that push-button ignition switch can change the ignition switch position and that it can start engine.				
	[2].Put the Intelligent Key outside of the vehicle (out of the inside key antenna detection area). Check that the ignition switch cannot be changed using push-button ignition switch.	h			
	[3].After completing above confirmation operation, touch 'End'. Check and erase DTC, only if the vehicle is Z12 model for North America. For remote control engine starter, check operation according to remote control engine starter installation manual.				
		- 1			
	End				
Nissan VIN LGBH52E08E					
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Figure 14

Statement:

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