GM Immobilizer Manual

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1. Introduction to GM Immobilizer

- Support the functions of reading immobilizer passwords, adding keys, and losing all keys.
- At present, it mainly supports GDS models. If you do not know the immobilizer password when adding keys or losing all keys for GDS models, you need to read the immobilizer password through the [Anti-theft Password Reading] menu on the home page, and then you need to enter this password when performing the immobilizer function. In addition, there is immobilizer function of TECHII models. TECHII models have stopped updating in 2013, so they are some old models and also supported by the diagnostic equipment, but some cars are manually matched.
- When using the 431 device, you only need to automatically identify (recommended) or manually select the corresponding model to perform immobilizer matching.

2. Immobilizer System for GDS Models

Make	Model	Year				
Buick	Cascada	2016-2019				
Buick	Envision	2016-2020				
Buick	Enclave	2014-2021				
Buick	Encore	2013-2022				
Buick	Verano	2012-2018				
Buick	Regal	2011-2020				
Buick	Allure	2010				
Buick	LaCrosse	2010-2019				
Cadillac	XT6	2020-2021				
Cadillac	XT4	2019-2021				
Cadillac	XT5	2017-2021				
Cadillac	CT6	2016-2021				
Cadillac	CTS	2014-2019				
Cadillac	Escalade	2014-2020				
Cadillac	Escalade ESV	2014-2020				
Cadillac	ATS	2013-2020				
Cadillac	XTS	2013-2020				
Cadillac	SRX	2010-2016				
Chevrolet	Trailblazer	2013-2021				
Chevrolet	Blazer	2019-2021				
Chevrolet	Bolt	2017-2021				
Chevrolet	City Express	2015-2019				
Chevrolet	Spin	2013-2021				
Chevrolet	Caprice	2014-2017				
Chevrolet	Cheyenne	2014-2016				
Chevrolet	Corvette	2014-2020				
Chevrolet	Express	2014-2019				
Chevrolet	Impala	2014-2020				
Chevrolet	Silverado	2014-2021				
Chevrolet	Suburban	2014-2020				
Chevrolet	Tahoe	2014-2020				
Chevrolet	Traverse	2014-2021				
Chevrolet	Onix	2013-2022				
Chevrolet	Prisma	2013-2022				
Chevrolet	Spark	2013-2022				
Chevrolet	Tracker	2013-2022				
Chevrolet	Trax	2013-2021				

2.1 GDS Model Coverage

Chevrolet	Aveo	2012-2020
Chevrolet	Cobalt	2012-2021
Chevrolet	Colorado	2012-2022
Chevrolet	Malibu	2012-2021
Chevrolet	S10	2012-2021
Chevrolet	Sail	2012-2019
Chevrolet	Sonic	2012-2020
Chevrolet	Captiva	2011-2018
Chevrolet	Orlando	2011-2018
Chevrolet	Volt	2011-2015 ,2018
Chevrolet	Camaro	2010-2021
Chevrolet	Cruze	2010-2021
Chevrolet	Equinox	2010-2022
GMC	Yukon	2014-2021
GMC	Yukon XL	2014-2021
GMC	Terrain	2010-2022
GMC	Savana	2014-2021
GMC	Canyon	2015-2022
GMC	Acadia	2014-2021
GMC	Sierra	2014-2022
GMC	Sierra HD	2014
GMC	Terrain	2010-2022
Holden	Caprice	2014-2015
Holden	Captiva 5	2011-2015
Holden	Captiva 7	2011-2015

2.2 Requirements

Scheme 1: Launch PAD series comprehensive diagnostic equipment

Scheme 2: Launch X-431 PRO immobilizer matching tool

2.3 Procedure

2.3.1 Immobilizer Password Reading

If you do not know the immobilizer password, read the immobilizer password before performing other functions.

1. On the home page, choose the [American] area and choose the immobilizer software [GM], as shown in Figure 1-1.

09:50 (š)					⊙ ▼∠ □ 18%
ІММО				QEn	ter the model name
All Commo	n American	European As	ian Chinese		
Diagnostics for					
BUICK	CADILLAC	CHEVROLET	CHRYSLER	DODGE	GM
IMMO by LAUNCH					
Diagnostics for					
JEEP					
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2. Access the software to display the current version V10.20 (please update the version in time to support more models), as shown in Figure 2-1.

09:50 (8)			⊙ ♥⊿ 🛙 18%					
Vehicle Version Information		î	ē P					
Software ID	Version #							
GM	V10.20							
GM Immo Diagnose V10.20								
INTRODUCTION								
Software Summary:								
This diagnostic software can test the ECUs of GM Models,includ Immobilizer Control Module, Remote Control Door Lock Receiver	ng: Theft Deterrent Module							
Functions Coverage:								
Reading ECU information Reading DTCs Clearing DTCs Reading vehicle running data								
	Vehicle Coverage	Search Bluetooth	ОК					
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3. In the menu functions that appear, choose [Anti-Theft Password Reading] to start the function, as shown in Figure 3-1.

09:51 V 🛞		Ø	Θ	🟒 🛙 17%
Show Menu	ŵ	-		ŀ
GM V10.20 > GM Diagnose				
Anti-Theft System Detection				
Anti-Theft Key Matching				
Anti-Theft Password Reading				

GM					
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- 3-1
- 4. The network needs to be connected for the immobilizer password reading. Confirm that the network has been connected.

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Show Menu						A	ē	F
GM V10.20 > GM Diagnose								
Anti-Theft System Detect	ion							
Anti-Theft Key Matching		Anti-Thef	t Password R	eading				
Anti-Theft Password Rea	This Fund Network I	tion Need Con s Normal.						
	C	ANCEL		ОК				
GM								
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5. Turn on the ignition switch and turn off the engine, as shown in Figure 5-1.

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Show Menu		A	ē	F
GM V10.20 > GM Diagnose				
Anti-Theft System Detect	on			
Anti-Theft Key Matching	Anti-Theft Password Reading			
Anti-Theft Password Rea	This Function Reads The Password From Body Control Module (BCM), Please Ensure Ignition Is On, Engine Is Off.			
	CANCEL			
GM				
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5-1

6. Communication in progress. Reading the password...Please wait for about 2 minutes, as shown in Figure 6-1 and Figure 6-2.

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Show Menu					f	ē	F
GM V10.20 > GM Diagnose							
Anti-Theft System Detect	ion						
Anti-Theft Key Matching		Notes					
Anti-Theft Password Rea	\smile	Communicating, Please Wait	t				
		END SESSIC					
GM							
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Show Menu		A	ē P						
GM V10.20 > GM Diagnose									
Anti-Theft System Detection									
Anti-Theft Key Matching	Notes								
Anti-Theft Password Rea 🗸	Reading Password								
END SESSION									
GM									
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7. The password is read successfully, as shown in Figure 7-1.





2.3.2 Key Adding

The following takes the 2021MY Yukon as an example to demonstrate the [Key Adding] function.

1. On the home page, choose the [American] area and choose the immobilizer software [GM], as

shown in Figure 1-1.

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ІММО									QEn	iter the m	odel name
All Co	mmo	n Ame	erican	Europe	an As	sian	Chinese				
Diagnostics for		Diagnostics for	r	Diagnostics fo	r	Diagnostic	s for	Diagnostics for	· · · · · ·	Diagnostics	for
BUICK		CADI	LLAC	CHEVI	ROLET	CHI	RYSLER	DOD	GE	C	M
IMMO by	LAUNCH	IMMO	by LAUNCH	ІММО	by LAUNCH	ІММО	by LAUNCH	ІММО	by LAUNCH	ІММО	by LAUNCH
Diagnostics for											
IMMO by	LAUNCH										
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2. Enter the software to display the current version V10.20 (please update the version in time to support more models), as shown in Figure 2-1.

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Vehicle Version Information	A 🖶 🕑						
Software ID	Version #						
GM	V10.20						
GM Immo Diagnose V10.20							
INTRODUCTION							

Software Summary:

This diagnostic software can test the ECUs of GM Models,including: Immobilizer Control Module, Remote Control Door Lock Receiver, Theft Deterrent Module

Functions Coverage:

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Reading ECU information Reading DTCs Clearing DTCs Reading vehicle running data						
				Vehicle Coverage	Search Bluetooth	ОК
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3. In the menu functions that appear, choose [Anti-Theft Key Matching], as shown in Figure 3-1.

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Show Menu	A		₽
GM V10.20 > GM Diagnose			
Anti-Theft System Detection			
Anti-Theft Key Matching			
Anti-Theft Password Reading			

GM						
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4. Choose the menu. It is recommended to choose the [Automatically Search] menu (need to turn on the ignition), and the software will automatically identify the model information, as shown in Figure 4-1 and Figure 4-2.

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Show Menu	ŵ	ē		P
GM V10.20 > Anti-Theft Key Matching				
Automatically Search				
Manually Select (Via Model)				
Manually Select (Via VIN)				

GM					
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11:02 🖖 🛞							0 ©	3G 🛋 🗎 46%
Show Menu					A	1	ē	P
GM V10.20 > Anti-Theft Key M	latching							
Automatically Search		Vehiele Inf	ormotion					
Manually Select (Via Mod	VIN: 1GKS1DK Model Year: 20 Vehicle Source	Venicle inf L D21 e: United States	ormation					
Manually Select (Via VIN)	Make: GMC Vehicle Model: Vehicle Type: L Engine Identifie	: Yukon Light Duty Trucl er: 6.2L (L87)	<					
					-			
	NO			YES				
GM								
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Choose the menus [Anti-Theft Key Matching] and [Smart Key] in turn, as shown in Figure 5-1 and Figure 5-2.

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Show Menu	A 🖶 🕩
GM V10.20 > Anti-Theft Key Matching > Automatically Search	
Key Fob 1	Key Fob 2
Key Fob 3	Key Fob 4
Key Fob 5	Key Fob 6
Key Fob 7	Key Fob 8
Reset Teen Driver Key PIN	Anti-Theft Key Matching
GM Yukon 2021 VIN 1GKS1DKL	

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Show Menu	^	e P
GM V10.20 > Anti-Theft Key Matching > Automatically Search		
Smart Key		
CM Vukon 2021		

GM Yukon 2021						
VIN 1GKS1DKL						
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6. Start to execute the function: choose [Add Smart Key], close all doors, and turn on the ignition switch, as shown in Figure 6-1 and Figure 6-2.

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Show Menu	A 🖶 🕑
GM V10.20 > Anti-Theft Key Matching > Automatically Search	
Anti-theft Password Reading	Information
Clear DTC	Add Smart Key
All Smart Keys Are Lost	Eliminate The Anti-theft DTC Lamp

GM Yukon 2021 VIN 1GKS1DKL	1				
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Show Menu						A	ē	P
GM V10.20 > Anti-Theft Key N	Natching > Auto	omatically Sea	rch					
Anti-theft Password Read	ing		Inform	ation				
Clear DTC		lı.	nformation					
All Smart Keys Are Lost	Please Clo	Please Close All Doors, Turn Ignition ON.						
	C	ANCEL		ок				
GM Yukon 2021 VIN 1GKS1DKL								
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7. Press the Start/Stop button once, as shown in Figure 7-1.

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Show Menu						A	ē	l	Þ
GM V10.20 > Anti-Theft Key N	1atching > A	utomatically Search	е 1						
Anti-theft Password Read	ing		Informa	tion					
Clear DTC		Info	rmation						
All Smart Keys Are Lost	Please	Please Press Start/Stop Button.				C Lamp			
		ОК							
GM Yukon 2021 VIN 1GKS1DKL									
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8. Put the smart key to be matched into the smart key card slot, and take the other keys out of the car, as shown in Figure 8-1.

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Show Menu						A	ē	P	
GM V10.20 > Anti-Theft Key I	Aatching > /	Automatically S	Search						
Anti-theft Password Read	ling		Info	rmation					
			Information						
Clear DTC	Put The Other Si The Key	Smart Key To mart Keys Out Slot Is Genera	Be Matched Ir Of The Car. ally Located As	to The Key S Follows:	lot. Take				
All Smart Keys Are Lost	1. In The 2. Below 3. Near 4. In The	e Armrest Box. 7 The Saucer. To The Ash Pa e Button-type B	an. Box.			Lamp			
			ок						
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9. Input and confirm the PIN, as shown in Figure 9-1 and Figure 9-2.



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Show Menu			A	ē	P
GM V10.20 > Anti-Theft Key N	latching > Automatically Sear	ch			
Anti-theft Password Read	ing	Information			
Clear DTC	In	formation			
All Smart Keys Are Lost	Please Confirm The Valu	e Of The Input: 1234) Lamp		
	CANCEL	ок			
GM Yukon 2021 VIN 1GKS1DKL					
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10. Turn off the ignition switch within 120 seconds (otherwise, if it times out, the function will exit), as shown in Figure 10-1.

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Show Menu					f	ē	F
GM V10.20 > Anti-Theft Key M	latching	Automatically Search	1				
Anti-theft Password Readi	ng		Information	l)			
Clear DTC		N	otes				
All Smart Keys Are Lost	0	Please Turn Off Ignitic	on. 120 s		Lamp		
		END S	ESSION				
GM Yukon 2021 VIN 1GKS1DKL							
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11. After waiting for 5 seconds, wait for 12 minutes (if the conditions are met, go directly to the next step, if the conditions are not met after 12 minutes and the matching fails, the function will exit), as shown in Figure 11-1.

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Show Menu					A	ē	P
GM V10.20 > Anti-Theft Key N	Aatching	Automatically Search					
Anti-theft Password Read	ing		Informatio	חת			
Clear DTC		Nc	otes				
All Smart Keys Are Lost	С	Processing, Please Wa	Lamp				
		END SI					
GM Yukon 2021 VIN 1GKS1DKL							
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12. Wait for 5 seconds and press the start/stop button, as shown in Figure 12-1.

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Show Menu						A	ē	F	
GM V10.20 > Anti-Theft Key N	Natching > Aut	omatically Sea	arch						
Anti-theft Password Read	Inform	Information							
Clear DTC			nformation						
All Smart Keys Are Lost	Please Pr	ess Start/Sto	p Button.			CLamp			
			ОК						
GM Yukon 2021 VIN 1GKS1DKL									
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13. Wait for 10 seconds. The key is successfully matched, as shown in Figure 13-1. If you need to match more keys, click "Yes" and repeat steps 8 to 13, otherwise click "No" to go to the next step.

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Show Menu			A	ē	P
GM V10.20 > Anti-Theft Key N	latching > Automatically Search				
Anti-theft Password Read	ing	Information			
Clear DTC	Infor	nation			
All Smart Keys Are Lost	Current Key Is Programmed If You Want To Program Nex	Well. tt Key?) Lamp		
	NO	YES			
GM Yukon 2021 VIN 1GKS1DKL					
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14. Turn off the ignition switch within 120 seconds (otherwise, if it times out, the function will exit), as shown in Figure 14-1.

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Show Menu					A	ē	P	
GM V10.20 > Anti-Theft Key I	Matching	y > Automatically Search						
Anti-theft Password Read		Information						
Clear DTC		N	otes					
All Smart Keys Are Lost	O Please Turn Off Ignition. 120 s				Lamp			
		END S						
GM Yukon 2021 VIN 1GKS1DKL								
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15. Press and hold the start button for 12 seconds, and release it after the countdown is completed, as shown in Figures 15-1, 15-2, and 15-3.

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Show Menu			A	i P
GM V10.20 > Anti-Theft Key N	latching > Automatically Search	1		
Anti-theft Password Read	ing	Information		
Clear DTC	Info	rmation		
All Smart Keys Are Lost	Please Press Start Button	For 12 Seconds.	C Lamp	
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GM Yukon 2021 VIN 1GKS1DKL				
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Show Menu					A	ē	F
GM V10.20 > Anti-Theft Key I	Matching	g > Automatically Search					
Anti-theft Password Read	ling		Information				
Clear DTC		No	otes				
All Smart Keys Are Lost	0	Processing, Please Wait 12 s					
		END SI					
GM Yukon 2021 VIN 1GKS1DKL							
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Show Menu						A	ē	P
GM V10.20 > Anti-Theft Key N	latching > Au	tomatically Sear	ch					
Anti-theft Password Read	îng		Inform	ation				
Clear DTC		In	formation					
All Smart Keys Are Lost	Please R	elease Start But	tton.			C Lamp		
			ОК					
GM Yukon 2021 VIN 1GKS1DKL								
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			15-3					

16. After waiting for 5 seconds, within 120 seconds (otherwise if it times out, the function will exit), press and hold the start button to turn on the ignition switch until the instrument panel light is on (if the instrument panel light is not on, release the start button and repeat the operation), as shown in Figure 16-1.

15:20 🖖 🛞					⊖ ⊿ 🖬 40%
Show Menu			A		P
GM V10.20 > Anti-Theft Key Ma	atching > Automatically Search				
Anti-theft Password Readin	Anti-theft Password Reading Information				
Clear DTC	N	otes			
All Smart Keys Are Lost	Press And Hold The St Is On And Instrument F Lights Are Off, Please Repeat Operation.) 11	tion ument d Lamp			
	END S				
L					
GM Yukon 2021 VIN 1GKS1DKL					
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17. Turn off the ignition switch within 120 seconds (otherwise if it times out, the function will exit), as shown in Figure 17-1.

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Show Menu						A	ē	P	
GM V10.20 > Anti-Theft Key M	latching	> Automatically Search	,						
Anti-theft Password Reading			Information						
Clear DTC	Notes								
All Smart Keys Are Lost	Please Turn Off Ignition. 120 s			Lamp					
	END SESSION								
-									
GM Yukon 2021 VIN 1GKS1DKL									
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18. Within 120 seconds (otherwise if it times out, the function will exit), depress the brake, press the start button to start the engine, and wait for 5 seconds, as shown in Figure 18-1.

15:20 🖖 🛞							⊖ ⊿ 🛙 40%
Show Menu					f	ē	P
GM V10.20 > Anti-Theft Key I	Matching	g > Automatically Search					
Anti-theft Password Reading			Information				
Clear DTC		Nc	otes				
All Smart Keys Are Lost	<u> </u>	 Press The Brake, Press START Button To Start The Engine. 120 s 			Lamp		
		END SE					
GM Yukon 2021 VIN 1GKS1DKL							
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19. Turn off the ignition switch within 120 seconds (otherwise if it times out, the function will exit), as shown in Figure 19-1.

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Show Menu				A	ē	P		
GM V10.20 > Anti-Theft Key Mate	ching > Automatically Search	1						
Anti-theft Password Reading	1	Information						
Clear DTC	Notes							
All Smart Keys Are Lost	C Please Turn Off Ignition. 119 s			Lamp				
	END							
GM Yukon 2021 VIN 1GKS1DKL								
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20. Open and close the driver door, take out the key, press and hold the lock and unlock keys at the same time, and then release them, as shown in Figure 20-1.

15:21 🖖 🛞						⊝ ⊿ 🛙 40%
Show Menu				^	ē	P
GM V10.20 > Anti-Theft Key						
Anti-theft Password Read	Informatio	n				
Clear DTC	Inf	ormation				
All Smart Keys Are Lost	Information: 1.Turn Off Engine. 2.Open Driver Door And Th 3.Take Out The Smart Key. And Unlock Buttons And R	k Lamp				
GM Yukon 2021 VIN 1GKS1DKL						
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21. Confirm whether other keys need to be synchronized. Click "Yes" to repeat step 8 and steps 18 to 21. Click "No" to go to the next step, as shown in Figure 21-1.

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Show Menu			^	ē	P
GM V10.20 > Anti-Theft Key N	latching > Automatically Search				
Anti-theft Password Reading		Information			
Clear DTC	Infor	mation			
All Smart Keys Are Lost	If You Want To Synchronize	C Lamp			
	NO	YES			
GM Yukon 2021 VIN 1GKS1DKL					
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22. The number of matched keys is displayed. After confirmation, the programming is completed, as shown in Figures 22-1 and 22-2.

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Show Menu						A	ē	₽
GM V10.20 > Anti-Theft Key M	atching > Auto	matically Sear	ch					
Anti-theft Password Readi	Anti-theft Password Reading			tion				
Clear DTC		Information						
All Smart Keys Are Lost	Programm	Programmed Key Number: 1				Lamp		
		ОК						
GM Yukon 2021 VIN 1GKS1DKL								
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Show Menu				A	ę	7	F
GM V10.20 > Anti-Theft Key N	Natching > Automatically Sea	rch					
Anti-theft Password Reading		Informa	ition				
Clear DTC	In	formation					
All Smart Keys Are Lost	Program Completed.) Lam	p		
		ОК					
GM Yukon 2021 VIN 1GKS1DKL							
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2.3.3 All Keys Lost

The following takes the 2021MY Onix as an example to demonstrate the [All keys Lost] function.

1. On the home page, choose the [American] area and choose the immobilizer software [GM], as shown in Figure 1-1.

IMMO QEnter the model name								
All Common American European Asian Chinese								
Diagnostics for	Diagnostics for	Diagnostics for Diagnostics for Dia		Diagnostics for	Diagnostics for			
BUICK	CADILLAC	CHEVROLET	CHRYSLER	DODGE	GM			
IMMO by LAUNCH	IMMO by LAUNCH	IMMO by LAUNCH	IMMO by LAUNCH	IMMO by LAUNCH	IMMO by LAUNCH			
Diagnostics for	Diagnostics for	Diagnostics for	Diagnostics for	Diagnostics for	Diagnostics for			
JEEP	MAZDA	OPEL	OPEL (SOUTH AFRICA)	ROEWE (SAIC)	SUZUKI			
IMMO by LAUNCH	IMMO by LAUNCH	IMMO by LAUNCH	IMMO by LAUNCH	IMMO by LAUNCH	IMMO by LAUNCH			
Diagnostics for VAUXHALL	Diagnostics for YQMAZDA							
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2. Enter the software to display the current version V10.20 (please update the version in time to support more models), as shown in Figure 2-1.

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Vehicle Version Information			^		₽					
Software ID		Version #								
GM		V10.20								
GM Immo Diagnose V10.20										
INTRODUCTION										
Software Summary:										
This diagnostic software can test the ECL Immobilizer Control Module, Remote Con	ls of GM Models,including trol Door Lock Receiver, Th	: neft Deterrent Module								
Functions Coverage:										
Reading ECU information Reading DTCs Clearing DTCs Reading vehicle running data										
		Vehicle Coverage	Search Bluetooth	0	К					
			Ð							
	2	2-1								

3. In the menu functions that appear, choose [Anti-Theft Key Matching], as shown in Figure 3-1.

08:56 V 🛞	◊ ⊝ ∠ 🖬 38%
Show Menu	A 🖷 🕞
GM V10.20 > GM Diagnose	
Anti-Theft System Detection	
Anti-Theft Key Matching	
Anti-Theft Password Reading	

GM						
	Ę۷	þ	J.	P	€	
			3-1			

4. Choose the menu. It is recommended to choose the [Automatically Search] menu (need to turn on the ignition), and the software will automatically identify the model information, as shown in Figures 4-1 and 4-2.

10:52 步 ⑧		0	⊖ 3G	🖌 🖬 47	%
Show Menu	î	ē		₽]
GM V10.20 > Anti-Theft Key Matching					
Automatically Search					
Manually Select (Via Model)					
Manually Select (Via VIN)					

GM							
	6 D	B	P	Ð			
		4-1					
11:41 및 산 🛞						ØΘV	36∡1 ∎ 37%
Show Menu					f	ē	F
GM V10.20 > Anti-Theft Key Ma	atching						
Automatically Search							
	Vehicle	Information					
Manually Select (Via Mod	VIN: 3G1MA5E22						
	Vehicle Source: Mexico			- 1			
Manually Select (Via VIN)	Make: Chevrolet Vehicle Model: Onix			- 1			
	NO		YES				
GM Onix 2021							
VIN 3G1MA5E2							
			P	Ð			

5. Choose [Mechanical Key] (this example demonstrates the mechanical key. If it is a smart key, choose [Smart Key]), as shown in Figure 5-1.

11:42 🙎 🖖 🛞		Θ \bigtriangledown	'3G 📣 🗎 37%
Show Menu	f	ē	P
GM V10.20 > Anti-Theft Key Matching > Automatically Search			
Mechanical Key			
Smart Key			

GM Onix 2021 VIN 3G1MA5E22					
	ŝ	G	B	P	•

5-1

6. Start to execute the function: choose [All Key Lost], close all doors, and turn on the ignition switch, as shown in Figures 6-1 and 6-2.

Show Menu						f	ŀ
GM V10.20 > Anti-Theft Key N	1atching > Aut	omatically Sea	arch				
Information							
Add Key							
All Key Lost							
-							
GM Onix 2021 VIN 3G1MA5E22							
	ŝ	þ		P	Ð		
			6-1				

15:52 🤟 🛞						Θ	♥∠ 🛙 30%
Show Menu					f	ē	P
GM V10.20 > Anti-Theft Key N	Natching > Automatically Sea	rch					
Information							
Add Key	s	ystem Info					
All Key Lost	Please Turn On Ignition	- 1					
	CANCEL		ок				
GM Onix 2021 VIN 3G1MA5E22							
	6 D	B	P	Ð			
		6-2					

Wait for 5 seconds and then input the PIN. After confirmation, wait for 12 minutes (if the conditions are met, skip the wait and go directly to the next step), as shown in Figures 7-1, 7-2, and 7-3.

16:03 🖖 🛞							Θ	♥⊿ 🛙 30%
Show Menu						•	ē	ŀ
GM V10.20 > Anti-Theft Key M	Aatching > Au	tomatically Sea	arch					
Information								
Add Key			Input					
	Please In	put 4 Digit PIN	I. (Range: 0 - 9,A	Z,a - z)				
All Key Lost								
	C	ANCEL		ок				
GM Onix 2021 VIN 3G1MA5E22								
	ណ៍	6	æ	P	1			

16:03 😌 🛞				Θ	✓ ∠: 🖬 30%
Show Menu			^	e	P
GM V10.20 > Anti-Theft Key N	atching > Automatically Search				
Information					
Add Key	Informati	on			
All Key Lost	Please Confirm The Value Of The	e Input: 9567			
	CANCEL	ок			
GM Onix 2021 VIN 3G1MA5E22					
	۵ ۲	P	€ L		
	7-2				
16:08 🖖 🛞				Θ	▼⊿ 🛙 30%
Show Menu			A		P
GM V10.20 > Anti-Theft Key N	atching > Automatically Search				
Information					
Add Key	Notes				
All Key Lost	Processing, Please Wait	712 s			
	END SESS	ION			
GM Onix 2021 VIN 3G1MA5E22					
		P	1		
	7-3				

- 8. Wait for 5 seconds, 10 seconds, 5 seconds, and 5 seconds in turn.
- 9. After waiting, turn off the ignition switch and pull out the key, insert the key that needs to be matched, and turn on the ignition switch for 5 seconds, as shown in Figure 9-1.

16:21 🖖 🛞							Θ	3G⊿ 🖬 29%
Show Menu						f	ē	P
GM V10.20 > Anti-Theft Key	Matching > A	utomatically S	earch					
Information								
Add Key			Information					
	1.Please	Turn Off Igniti	ion And Pull Ou	ut The Key.				
All Key Lost	2.Please Ignition F	Input The Key or 5 Seconds.	Need Program	nmed And Tur	n On			
			ОК					
GM Onix 2021 VIN 3G1MA5E22								
	ŝ	G	J.	P	Ð			
			9-1					

10. The current key has been matched. If you want to match the next key, click "Yes" to repeat steps 9 and 10. Otherwise, click "No" to continue the execution, as shown in Figure 10-1.

16:21 🖖 🛞				⊝ ♥3G⊿ 🖬 29%
Show Menu			A	ē (}
GM V10.20 > Anti-Theft Key N	Natching > Automatically Search			
Information				
Add Key	Information			
All Key Lost	Current Key Is Programmed Well. If You Want To Program Next Key?			
	NO	YES		
GM Onix 2021 VIN 3G1MA5E2				
	۵ ۲ 🗠			
	10-1			

11. Wait for 5 seconds to confirm the number of keys that have been matched and confirm that the matching is complete, as shown in Figures 11-1 and 11-2.

16:24 🖑 🛞						Θ \bigtriangledown	3G 🛋 🖬 29%
Show Menu					A	ē	F
GM V10.20 > Anti-Theft Key N	Matching > Automatically Sea	rch					
Information							
Add Key	Ir	nformation					
All Key Lost	Programmed Key Numb	per: 3					
		ОК					
GM Onix 2021 VIN 3G1MA5E22							
			P	Ð			
		11-1					
16:24 🖖 🛞						Θ	▼3G⊿ 🖬 29%
Show Menu					A	F	F
GM V10.20 > Anti-Theft Key N	Natching > Automatically Sea	nrch					
Information							
Add Key		nformation					
All Key Lost	Program Completed.						
		ОК					
GM Onix 2021 VIN 3G1MA5E22							
	ŵ 6	J.	P	1			
		11-2					

3. Immobilizer System for TECHII Models

3.1 TECHII Model Coverage

Make	Model	Year
Buick	Enclave(AWD) - (V)	2008-2013

Buick	Enclave(FWD) - (R)	2008-2013
Buick	Excelle - (J)	2008-2009
Buick	Rendezvous - (A)	2007
Buick	Terraza - (V)	2007
Buick	A(VIN5)	2006
Buick	Allure - (W)	2005-2009
Buick	B(VIN5)	2006
Buick	LaCrosse - (W)	2005-2009
Buick	Lucerne - (H)	2006-2011
Buick	V(VIN5)	2006
Buick	X(VIN5)	2006
Buick	Terraza (AWD) - (X)	2005-2006
Buick	Terraza (FWD) - (V)	2005-2006
Buick	Rainier (AWD) - (T)	2004-2007
Buick	Rainier (RWD) - (S)	2004-2007
Buick	Rendezvous (AWD) - (B)	2004-2005
Buick	Rendezvous (FWD) - (A)	2004-2005
Buick	Rendezvous (AWD) - (B)	2002-2005
Buick	Rendezvous (FWD) - (A)	2002-2005
Buick	LeSabre Custom - (HP)	2004
Buick	LeSabre Limited - (HR)	2004
Buick	Regal - (W)	1997-2004
Buick	Century - (W)	1997-2005
Buick	Park Avenue - (C)	1997-2005
Cadillac	ATS - (A)	2013
Cadillac	XTS - (1)	2013
Cadillac	Escalade (4WD) - (4)	2011-2013
Cadillac	Escalade (RWD) - (3)	2011-2013
Cadillac	Escalade - (3)	2011-2013
Cadillac	Escalade - (4)	2011-2013
Cadillac	Escalade Hybrid - (3)	2011-2013
Cadillac	Escalade Hybrid - (4)	2011-2013
Cadillac	Escalade - (C)	2009-2013
Cadillac	Escalade Hybrid - (C)	2009-2013
Cadillac	Escalade Hybrid - (K)	2009-2013
Cadillac	Limousine - K	2006-7007 2009
Cadillac	CTS - (D)	2003-2013
Cadillac	Hearse/Limo - (K)	2008
Cadillac	SLS - (D)	2008-2009
Cadillac	STS - (D)	2008-2011
Cadillac	Limousine - (K)	2006-2007,2009
Cadillac	STS-V - (DX)	2006-2007
Cadillac	XLR - (YV)	2006-2007

Cadillac	XLR-V - (YX)	2006-2007
Cadillac	CTS - (DP)	2005-2007
Cadillac	DTS - (K)	2006-2011
Cadillac	STS - (DW)	2005-2007
Cadillac	STS-V8 - (DC)	2005-2007
Cadillac	CTS-V - (DN)	2004-2007
Cadillac	SeVille SLS - (K)	2004
Cadillac	SRX - (E)	2004-2009
Cadillac	XLR - (Y)	2004-2009
Cadillac	CTS - (DG)	2003
Cadillac	CTS - (DM)	2003-2007
Cadillac	CTS - (DR)	2003-2007
Cadillac	CTS - (DU)	2003
Cadillac	Escalade (AWD) - (K)	2002-2009
Cadillac	Escalade (RWD) - (C)	2002-2010
Cadillac	Hearse - (H)	2002-2005,2007,2009
Cadillac	Limo - (H)	2002-2005
Cadillac	DeVille DHS - (K)	2000-2003
Cadillac	DeVille DTS - (K)	2000-2003
Cadillac	Escalade - (K)	1999-2000
Cadillac	Deville - (KD)	1998-1999
Cadillac	Deville Concours - (KF)	1998-1999
Cadillac	Deville D Elegance - (KE)	1998-1999
Cadillac	SeVille SLS - (KS)	1998-2003
Cadillac	SeVille STS - (KY)	1998-2003
Cadillac	Catera - (V)	1997-2001
Cadillac	Deville - (K)	1996-2005
Cadillac	Eldorado - (E)	1996-2002
Cadillac	Incomplete - (H)	1997-2001
Chevrolet	Aveo Classic - (S)	2013
Chevrolet	Express (AWD)-(H)	2013
Chevrolet	Express (RWD)-(G)	2013
Chevrolet	K (VIN4)	2006,2013
Chevrolet	N (VIN4)	2006-2013
Chevrolet	T (VIN4)	2013
Chevrolet	Traverse - (V)	2009-2013
Chevrolet	Traverse - (R)	2009-2013
Chevrolet	Matiz - (M)	2012
Chevrolet	Matiz Classic- (M)	2012
Chevrolet	Sonic - (J)	2012-2013
Chevrolet	Caprice - (M)	2011-2013
Chevrolet	Cheyenne(RWD) - (C)	2010-2012
Chevrolet	Cheyenne(RWD) - (K)	2010-2012

Chevrolet	Colorado(4WD) - (T)	2004-2012
Chevrolet	Colorado(RWD) - (S)	2004-2012
Chevrolet	Cheyenne(2WD) - (C)	2009
Chevrolet	Cheyenne(2WD) - (K)	2009
Chevrolet	Cheyenne(4WD) - (C)	2009-2012
Chevrolet	Cheyenne(4WD) - (K)	2009-2012
Chevrolet	Epica - (L)	2009-2011
Chevrolet	Silverado Hybrid - (C)	2009-2013
Chevrolet	Silverado Hybrid - (K)	2009-2013
Chevrolet	Tahoe (RWD) - (C)	1999-2009
Chevrolet	Traverse (AWD) - (V)	2009-2013
Chevrolet	Traverse (FWD) - (R)	2009-2013
Chevrolet	Captiva Sport - (L)	2008-2013
Chevrolet	HHR Panel - (A)	2008-2011
Chevrolet	Joy - (K)	2008
Chevrolet	Malibu Hybrid - (Z)	2008-2010
Chevrolet	Tahoe Hybrid - (C)	2008-2012
Chevrolet	Tahoe Hybrid - (K)	2008-2012
Chevrolet	Spark - (K)	2007-2009
Chevrolet	Chevy - (S)	2006-2012
Chevrolet	Equinox(AWD) - (L)	2006-2009
Chevrolet	Equinox(FWD) - (L)	2006-2009
Chevrolet	HHR - (A)	2006-2011
Chevrolet	Impala LS - (WB)	2006-2007
Chevrolet	Impala LT - (WC)	2006-2007
Chevrolet	Impala LT 3.5 Sedan - (WT)	2006-2007
Chevrolet	Impala LTZ - (WU)	2006-2007
Chevrolet	Impala Police Sedan - (WS)	2006-2007
Chevrolet	Impala SS - (WD)	2006-2007
Chevrolet	Monte Carlo LS - (WJ)	2006-2007
Chevrolet	Monte Carlo LT - (WK)	2006-2007
Chevrolet	Monte Carlo SS - (WL)	2006-2007
Chevrolet	Silverado Classic - (C)	2006-2007
Chevrolet	Silverado Classic - (K)	2006-2007
	Uplander (Extended Wheelbase) -	
Chevrolet	(V)	2006-2009
Chevrolet	Uplander (Regular Wheelbase) - (U)	2006-2009
Chevrolet	Aveo - (S)	2005-2012
Chevrolet	Captiva - (C)	2007-2011
Chevrolet	Cobalt - (A)	2005-2010
Chevrolet	Corvette - (Y)	2005-2013
Chevrolet	Uplander (AWD) - (X)	2005-2006
Chevrolet	Uplander (FWD) - (V)	2005

Chevrolet	Venture - (V)	2005
Chevrolet	Vivant - (U)	2005-2008
Chevrolet	Aveo - (T)	2004-2011
Chevrolet	Classic - (N)	2004-2005
Chevrolet	Colorado - (S)	2004-2012
Chevrolet	Colorado - (T)	2004-2012
Chevrolet	Epica - (V)	2004-2006,2010-2011
Chevrolet	Equinox - (L)	2005-2009
Chevrolet	Malibu - (Z)	2004-2012
Chevrolet	Spark - (M)	2004-2005
Chevrolet	U(VIN4)	2004
Chevrolet	Alero (Export) - (N)	2003
Chevrolet	Express Access/Savana Pro - (H)	2003-2012
Chevrolet	Express/Savana - (H)	2003-2012
Chevrolet	Optra - (J)	2003-2012
Chevrolet	Optra - (N)	2003-2005
Chevrolet	Silverado SS - (K)	2003
Chevrolet	Avalanche - (C)	2002-2013
Chevrolet	Avalanche - (K)	2002-2013
Chevrolet	SSR - (S)	2003-2006
Chevrolet	Trailblazer(4WD) - (T)	2002-2009
Chevrolet	Trailblazer(RWD) - (S)	2002-2009
Chevrolet	Express Access/Savana Prol - (G)	2002-2013
Chevrolet	Express/Savana - (G)	2002-2013
Chevrolet	Venture(AWD) - (V)	2002-2004
Chevrolet	Alero - (N)	2000-2002
Chevrolet	Astro (AWD) - (L)	2000-2005
Chevrolet	Astro (RWD) - (M)	2000-2005
Chevrolet	C3500HD Chassis Cab - (C)	2000-2002
Chevrolet	Cavalier - (J)	2000-2005
Chevrolet	Impala - (W)	2000-2013
Chevrolet	Lumina - (W)	2000
Chevrolet	Malibu - (N)	2000-2003
Chevrolet	Monte Carlo - (W)	2000-2007
Chevrolet	S10(RWD) - (S)	2000-2004
Chevrolet	S10(4WD) - (T)	2000-2004
Chevrolet	Silverado - (C)	2000-2013
Chevrolet	C3500HD - (C)	1999
Chevrolet	Pickup(4WD) - (K)	1999
Chevrolet	Pickup(RWD) - (C)	1999
Chevrolet	Silverado - (K)	1999-2013
Chevrolet	Suburban - (C)	1999-2013
Chevrolet	Suburban - (K)	1999-2013

Chevrolet	Tahoe - (C)	1999-2013
Chevrolet	Tahoe - (K)	1999-2013
Chevrolet	Blazer (4WD) - (T)	1999-2005
Chevrolet	Blazer (RWD) - (S)	1998-2005
Chevrolet	S10 Pickup(RWD) - (S)	1998-1999
Chevrolet	S10 Pickup(4WD) - (T)	1998-1999
Chevrolet	Venture Ext.W/B - (X)	1997-2004
Chevrolet	Venture(FWD) - (U)	1997-2004
GMC	Savana Pro	2013
GMC	5 (VIN 5)	2012
GMC	6 (VIN 5)	2012
GMC	D (VIN 5)	2009-2010
GMC	Acadia(AWD)	2007-2013
GMC	Acadia(FWD)	2007-2013
GMC	Canyon(4WD)	2004-2011
GMC	Canyon(RWD)	2004-2011
GMC	Savana(AWD)	2003-2013
GMC	Savana(RWD)	2003-2013
GMC	Yukon XL Denali(AWD)	2004-2006
GMC	Envoy(4WD)	2002-2009
GMC	Envoy(RWD)	2002-2009
GMC	Sierra Denali(AWD)	2002-2004
GMC	Yukon Denali(AWD)	2002-2003 2005
GMC	Safari(AWD)	2000-2005
GMC	Safari(RWD)	2000-2005
GMC	Sierra(4WD)	2000-2013
GMC	Sierra(RWD)	2000-2013
GMC	Yukon XL(4WD)	2000-2013
GMC	Yukon XL(RWD)	2000-2013
GMC	Yukon(4WD)	1999-2013
GMC	Yukon(RWD)	1999-2013
GMC	C3500HD	1999-2002
GMC	Pickup(4WD)	1999
GMC	Pickup(RWD)	1999
GMC	Envoy	1998-2001
GMC	Jimmy(4WD)	1998-2005
GMC	Jimmy(RWD)	1998-2001
GMC	Savana	1998-1999
GMC	Sonoma(4WD)	1998-2004
GMC	Sonoma(RWD)	1998-2003
Hummer	Hummer H3	2006-2010
Hummer	Hummer H2	2003-2010
Oldsmobile	Bravada(AWD)	2002-2004

Oldsmobile	Bravada(RWD)	2002-2004
Oldsmobile	Silhouette(AWD)	2002-2004
Oldsmobile	Silhouette(FWD)	2002-2003
Oldsmobile	Aurora - (G)	2001-2003
Oldsmobile	Silhouette - (X)	2000-2001
Oldsmobile	Alero - (N)	1999-2004
Oldsmobile	Bravada - (T)	1998-2004
Oldsmobile	Intrigue - (W)	1998-2002
Oldsmobile	Regency - (C)	1997-1998
Pontiac	K(VIN4)	2006 2010
Pontiac	Matiz - (K)	2009
Pontiac	G8 - (E)	2008-2009
Pontiac	Vibe - (S)	2008-2010
Pontiac	G3 - (T)	2007-2010
Pontiac	G5 - (A)	2007-2010
Pontiac	Montana SV6 - (U)	2006-2009
Pontiac	Montana SV6 - (X)	2006
Pontiac	Montana SV6 - (V)	2006-2009
Pontiac	Solstice - (M)	2006-2010
Pontiac	Torrent (AWD)	2006-2009
Pontiac	Torrent (FWD)	2006-2009
Pontiac	G6 - (Z)	2005-1010
Pontiac	Montana - (X)	2005-2006
Pontiac	Montana - (V)	2005-2009
Pontiac	Pursuit - (A)	2005-2007
Pontiac	Wave - (T)	2005-2009
Pontiac	Grand Prix - (W)	2004-2008
Pontiac	Aztek (AWD)	2001-2005
Pontiac	Aztek (FWD)	2001-2005
Pontiac	Bonneville - (H)	2000-2005
Pontiac	Sunfire - (A)	2000-2005
Pontiac	Grand Am - (N)	1999-2005
Pontiac	Montana - (U)	2005-2009
Saturn	VUE Hybrid - (L)	2008-2009
Saturn	Aura - (Z)	2007-2010
Saturn	Aura Hybrid - (Z)	2007-2010
Saturn	Outlook (AWD) - (V)	2007-2010
Saturn	Outlook (FWD) - (R)	2007-2010
Saturn	Relay - (V)	2007
Saturn	Sky - (M)	2007-2010
Saturn	VUE(AWD)	2007-2010
Saturn	VUE(FWD)	2007-2010
Saturn	Relay - (AWD)	2005-2006

Saturn	Relay - (FWD)	2005-2006
Saturn	L300 - (J)	2005
Saturn	Ion - (A)	2003-2007
Saturn	VUE - (Z)	2002-2006
Saturn	L-Series - (J)	2000-2004
Saturn	S-Series - (Z)	2000-2002

3.2 Requirements

Scheme 1: Launch PAD series comprehensive diagnostic equipment

Scheme 2: Launch X-431 PRO immobilizer matching tool

3.3 Procedure

3.3.1 Key Adding

Take the 2012MY Silverado as an example to add keys.

1. On the home page, choose the [American] area and choose the immobilizer software [GM], as shown in Figure 1-1.

10:45 🛞					Θ 🎝 🗎 33%
ІММО				QEn	iter the model name
All Commo	n American	European As	sian Chinese		
Diagnostics for					
BUICK	CADILLAC	CHEVROLET	CHRYSLER	DODGE	GM
IMMO by LAUNCH					
JEEP					
	G			Ð	
			1-1		

2. Enter the software to display the current version V10.20 (please update the version in time to support more models), as shown in Figure 2-1.

10:45 🛞			⊙ 🎝 🗎 33%
Vehicle Version Information		1	i P
Software ID	Version #		
GM	V10.20		
GM Immo Dia	gnose V10.20)	
INTRODUCTION			
Software Summary:			
This diagnostic software can test the ECUs of GM Models,includi Immobilizer Control Module, Remote Control Door Lock Receiver,	ng: Theft Deterrent Module		
Functions Coverage:			
Reading ECU information Reading DTCs Clearing DTCs Reading vehicle running data			
	Vehicle Coverage	Search Bluetooth	ОК
6 G		◆	

- 2-1
- 3. In the menu functions that appear, choose [Anti-Theft Key Matching], as shown in Figure 3-1.

10:46		0	⊖⊿∎33	%
Show Menu	î	F	ŀ	
GM V10.20 > GM Diagnose				
Anti-Theft System Detection				
Anti-Theft Key Matching				
Anti-Theft Password Reading				

GM					
	G	C	P	Ð	



4. Choose the menu. It is recommended to choose the [Automatically Search] menu (need to turn on the ignition) and the software will automatically identify the model information, as shown in Figures 4-1 and 4-2.

10:46 ৬ (第)		(⊘ ତ	🕼 🖬 33%
Show Menu	Â	ē		₽
GM V10.20 > Anti-Theft Key Matching				
Automatically Search				
Manually Select (Via Model)				
Manually Select (Via VIN)				

GM								
	هَ	G		P	♪			
			4-1					
10:46 🖖 🛞					2		0	⊝ ⊿ 🛙 33%
Show Menu						î	ē	F
GM V10.20 > Anti-Theft Key I	Matching							
Silverado Hybrid								
Silverado		Vehic	le Informatio	on				
	VIN: 1GC4 Year: 2012 Make: Che Vehicle Mo	KVBG6C evrolet odel: Silverad	0					
		NO		YES				
GM VIN 1GC4KVBG6C								
	ŝ	G	B	8	1			

4-2

38

5. Choose the menus according to the actual situation, as shown in Figures 5-1 and 5-2.

10:46 🤟 🛞						0	⊝ ⊿ 🖣 33%
System Configuration					1		P
GM V10.20 > Anti-Theft Key I	Matching > A	utomatically S	earch				
Air Conditioning [Please	Make A Sele	ection]					
Automatic Heating Ventila	ation Air-cor	nditioning An	d Cooling (HVA	C)			
Manual Heating Ventilation	on Air-condit	tioning And C	Cooling (HVAC)				
GM Silverado 2012							
VIN IGC4KVBG6C	\wedge	C	瓜		◆		
	<u>ل</u> ما	4		. 🗸			
			5-1				

10:46 步 ⑧		ତ ⊝ ∠ 🛙 33%
System Configuration	f	ē P
GM V10.20 > Anti-Theft Key Matching > Automatically Search		
Radio [Please Make A Selection]		
Base Radio		
Uplevel Radio		
Navigation Radio		
Home		
GM Silverado 2012		
VIN 1GC4KVBG6		
	Ð	

5-2

 Choose [Immobilizer Key Matching (Mechanical Key)] > [Remote Control System], as shown in Figures 6-1 and 6-2.

10:46 🖖 🛞	ତ ⊝ ∠ 🖬 33%
Show Menu	A 🖶 🕑
GM V10.20 > Anti-Theft Key Matching > Automatically Search	
Immobilizer Key Matching (Mechanical Key)	Program Key Fob 1
Program Key Fob 2	Program Key Fob 3
Program Key Fob 4	Invalidate All Fobs
Next Available Slot	

GM Silverado 2012 VIN 1GC4KVBG60						
	G	þ	U.S.	P	Ð	
			6-1			
10:47 🖖 🛞						ତ ⊝ ∠ ∎33%
Show Menu					î	i i i
GM V10.20 > Anti-Theft Key	Matching >	Automatically S	earch			
Theft Deterrent						
Remote Control System	I					

GM Silverado 2012 VIN 1GC4KVBG6C					
	ŝ	þ	B	P	5

 Start to execute the function: choose [Add Remote Control], turn on the ignition switch, and program all remote controls within 60 seconds after confirmation, as shown in Figures 7-1 and 7-2.

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Show Menu	
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Countdown for 60 seconds: (1) Press and hold the [Lock] and [Unlock] buttons of each remote control key in turn, and wait for a beeping sound. Or press and hold the [Lock] and [Unlock] buttons for 5 seconds. (2) Release the buttons and then press the [Unlock] button, as shown in Figure 8-1.

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9. The countdown is over and the matching is complete, as shown in Figure 9

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3.4 Manual Matching

Applicable models: 2005-2009 Buick LaCrosse, 04-08 Pontiac Grand Prix

• Adding keys

Precautions:

If there are already two matched keys, use matching method 1 (adding additional new keys). Otherwise, use matching method 2 (adding new keys after all keys are lost).

This program is only used to add keys, not to delete keys that have been read in.

The machined profile of the key to be read in must be exactly the same as that of the current key.

Matching method 1 (adding additional new keys):

- 1. With the engine off, insert the first master key that has been read in, turn the ignition to the ON position for 5 seconds, and then return to the OFF position.
- 2. With the engine off, remove the first key, insert the second read key within 5 seconds, turn the ignition switch to the ON position for 5 seconds, and then return to the OFF position.
- 3. With the engine off, remove the second key, insert the new key that needs to be read in within 5 seconds, and turn the ignition switch to the ON position for 5 seconds.
- 4. Turn the new key ignition switch to the OFF position, and then to the ON position.
- 5. Now the new key has been added and read in. Start the vehicle to check whether the new key is added successfully. Otherwise, repeat steps 1-4.

Matching method 2 (adding new keys after all keys are lost):

- 1. Insert the new cut key into ignition cylinder and turn it to the ON position. The security light on the dash will light up and stay on for about ten minutes. When the security light goes out, you have one minute to start the next step.
- 2. Turn the ignition cylinder to OFF and then back to the ON position. The security light on the dash will illuminate and stay on for ten more minutes. When the security light goes out, you have one minute to start the next step.
- 3. Turn the ignition cylinder to OFF and then back to the ON position. The security light on the dash will illuminate and stay on for ten more minutes.
- 4. After the security light has gone off for the third time, turn the key off and remove from ignition. The key is now programmed and all other keys have been erased.
- 5. Insert key and start vehicle to test key.
- 6. Use X431 tool to clear all DTCs.

Statement:

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