

Shen Zhen Chang Tong Technology Limited

CN200 Users manual

Reading carefully before working on.



Version : V 0.1.6

Version date : 2019.9

Catalogue

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1. Statement

Dear users, thanks for choosing our CN200 products. These instructions will give you a detailed description of equipment, software and the features of this product. Before using, please read this instruction manual to help you understand. Please keep the following in mind before using:

CN200 equipment only can use for normal and legal equipment vehicle maintenance, please do not use it with illegal purposes;

If used illegally, user need to borne all risks and legal liabilities;

If used unreasonably, the user need to borne the data loss and damage;

This instruction manual will try our best to introduce CN200 for you.

If have any questions, please consult before and after sales.

In this instruction manual, the models listed may be missing in different versions of the software, but will continue to be add the model list, and improved the user experience of the interface. Please pay attention to the upgraded software version without prior notice.

2. Precautions

To avoid damage the equipment, vehicles and property, please observe the following precautions:

Before soldering operation, to avoid short-circuiting, please ensure the device and each device are in a power-off;

Please solder and operate equipment in a static-free environment;

Please do not place the device in a humid, ash, or direct sunlight environment for long times. and not stress, fading, or immersing equipment.

Before operating the equipment, to avoid damage to the equipment or equipment, please confirm the correctness of the wiring .

Please do not connect to a inconsistent specifications power supply;

Please be cautious to avoid damage to equipment and equipment caused by negligence.

3. Equipment introduction

3.1 Glossary

EEPROM: refer to an programmer memory with electricity, can wipe and program. It is a memory chip that does not lose data after power off.

extFLASH: External non-volatile memory.

intFLASH: Internal non-volatile memory.

DSLASH: Data flash memory for storing chip data.

PFLASH: Program flash memory for storing chip programs.

Partition: 9S12XE series unique operation, used for EEPROM and DFLASH capacity size setting.

Decryption: Some chips have unique operations, which can change the chip from inoperable FLASH to operate flash, and clear all data in FLASH.

Encryption: Some chips have unique operations, which can change the chip from unencrypted state to encrypted state, and the data has not changed.

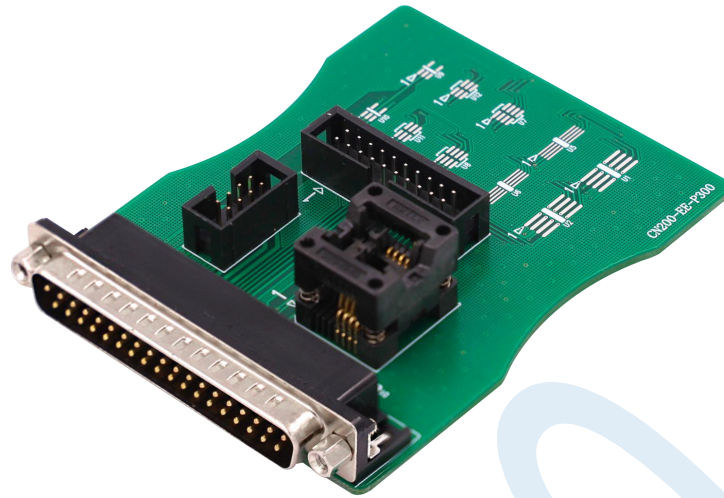
3.2 Specifications and Electrical Parameters

Model	Model (mm)	Power Supply	Idle Power
CN200	179*114*40	Input: AC100-240V Output: DC12V--2A	1.2W

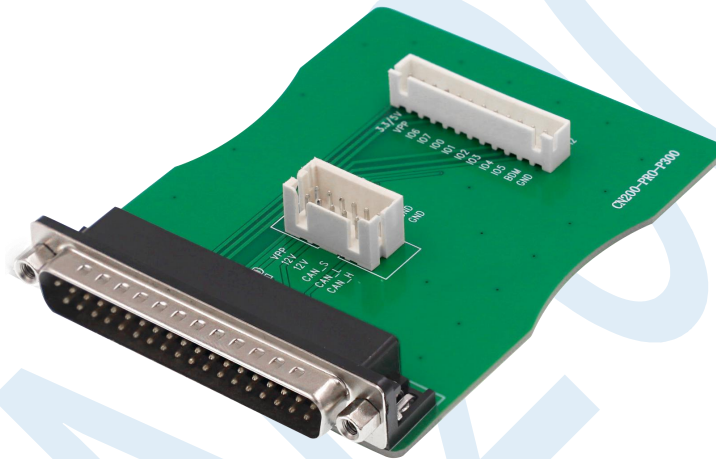
3.3 Product List

CN200 Host	
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8-pin chip transfer board





Programmer chip and CAN transfer boards



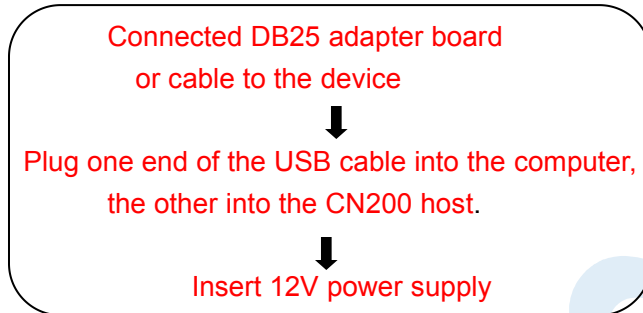
USB date cable



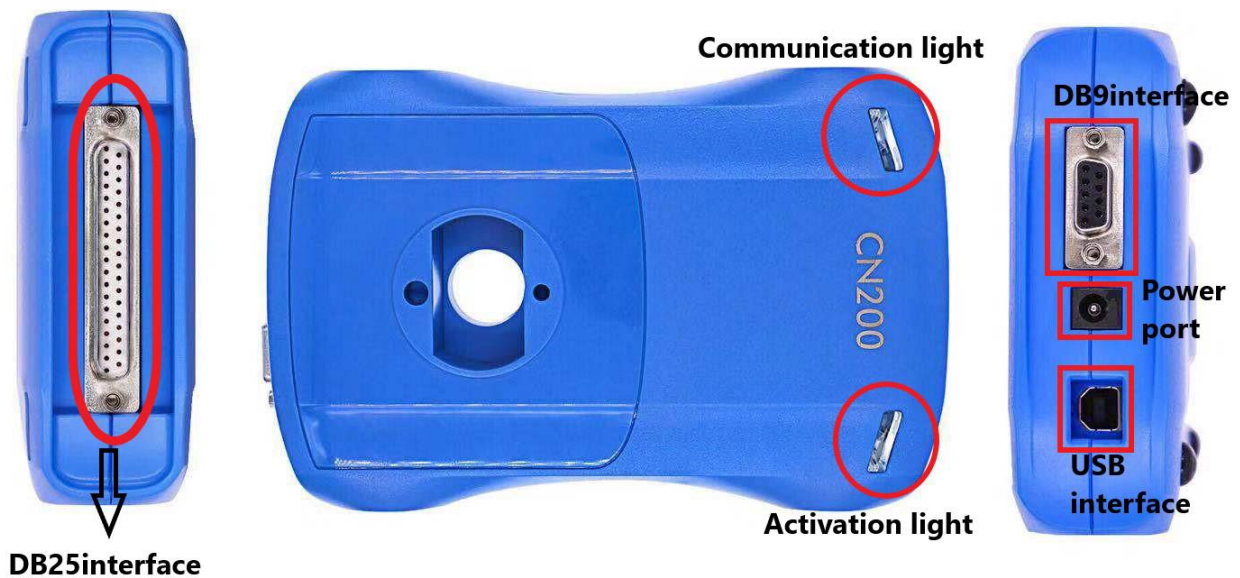
<p>12P CAN cable</p>	
<p>12P cable</p>	

3.4 Host interface introduction

Following is an introduction for CN200 host interface. Strongly recommended to follow as below



This sequence is safer which can prevent equipment to damage.



3.5 Main Functions Introduction

CN200 is powerful, data read and written faster! The operation is stable and safe, which also has excellent performance. Mainly supports the following functions:

- Support intelligent algorithm adjustment of instruments for Mercedes-Benz, BMW, Volvo, Honda, Hyundai, Kia, Suzuki, Changan and other models;

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- Support the repair of thousands of airbags for Mercedes-Benz, BMW, Volvo, Honda, Hyundai, Kia, Toyota and other models;
- Supports the reading and writing of body computers of Audi, GM and other models;
- Support reading and writing of anti-theft computers such as Delphi;
- Support reading, writing or repairing ECUs of BMW E series, BMW F series, Volkswagen, etc.
- Supports professional programming operations on memory chips such as NEC, MC9S12, MC9S08, Fujitsu, Microchip, etc., and 8-pin chips.
- Stay tuned for new features. Stay tuned.

4 Software driver diagram

4.1 Software function

Enter the main interface when first open the software. There are CN200 software name, logo, search box, return button, customer service QQ. Each module: product name, module button, universal programmer, airbag repair, instrument calibration, software mall, etc. . As shown in Figure 4-12:



Figure 4-12 System main interface

Search box and other features

The QQ in the lower left corner of the interface is after-sales customer service QQ: 2110518277.

◇ Back button to return to the previous operation interface

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- ◇ The device connection is displayed in the lower right corner of the interface. There are three states: no display, device successful connection , and the device no connected.
- ◇ Close, minimize, maximize button for software exit, minimize interface and maximize operation
- ◇ The search box is a quick search function. You can directly input the manufacturer, open number, and vehicle to find the chip which need to be operated, as shown in Figure 4-13.

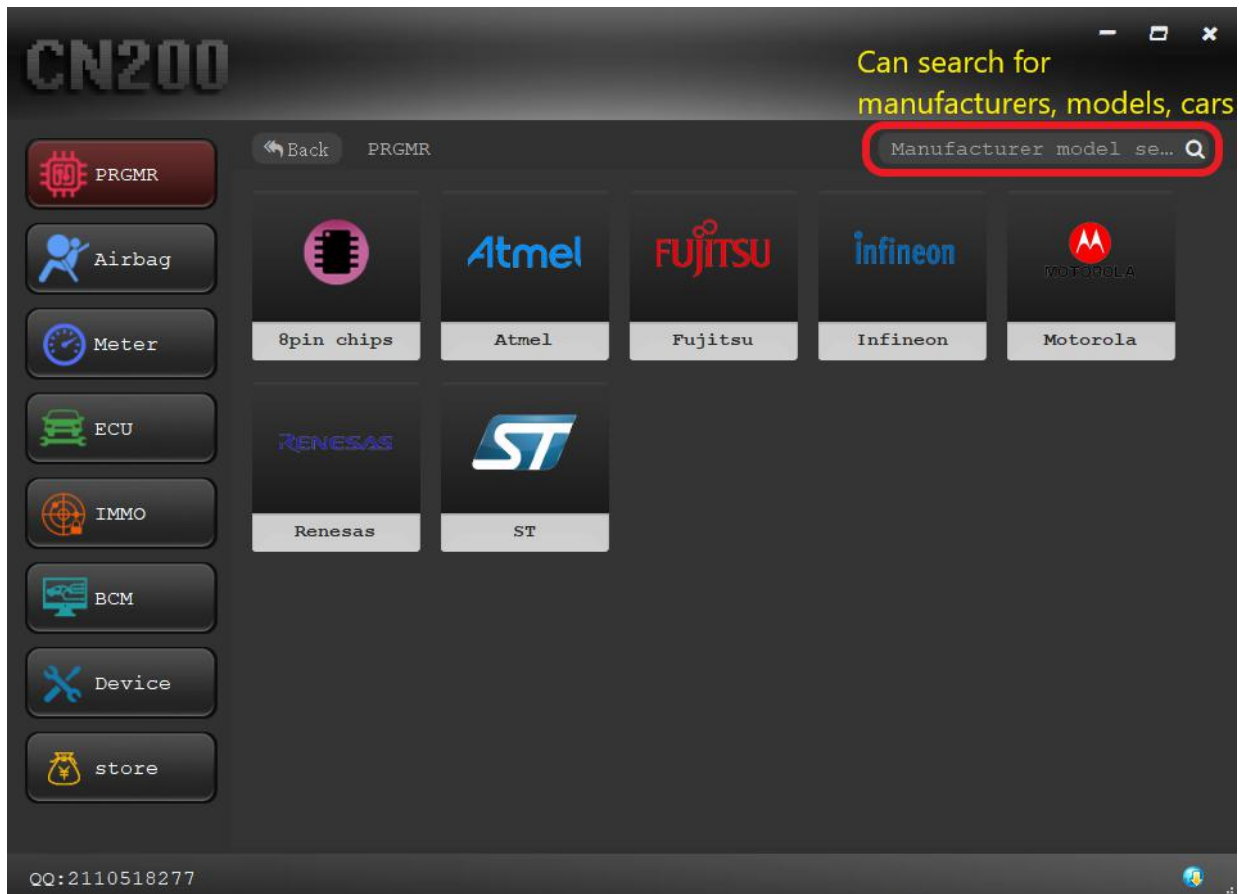


Figure 4-13 Search box



Figure 4-14 Search box

5 Module function

The left navigation bar allows users to switch different modules. If selected, the icon will display to red, and then select the module to operate.

Module functions include: universal programmer, airbag repair, instrument calibration, software mall, ECU repair, car function, body computer, equipment management, etc.

5.1 Universal Programmer

Click [Universal Programmer] which will display each type: 8-pin chips, Atmel, Fujitsu, Infineon, Motorola, Renesas, Saiyi;

Select the type to operated: 24 series universal, 25 series universal, 93 series models, LC56, X50 series enter into corresponding chip page , as shown in Figure 4-15;



Figure 4-15 Universal Programmer Subpage



Figure 4-16 Chip list

In the chip operation interface have: import data, save data, undo modification, read data, write data,

wiring tutorial, chip information, please select the function to operate, as shown in Figure 4-17:

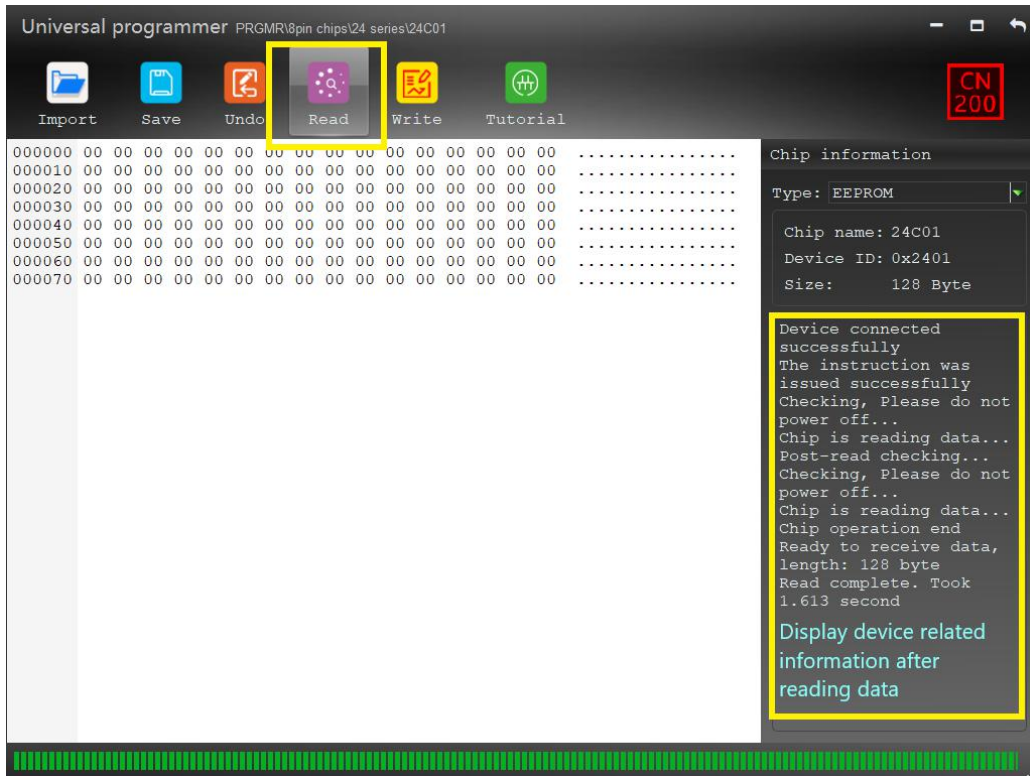


Figure 4-17 Chip Details

Click [Import Data] will pop up the dialog box, select the directory which you want to import , and then click [Open] to complete the import, as shown in Figure 4-18.

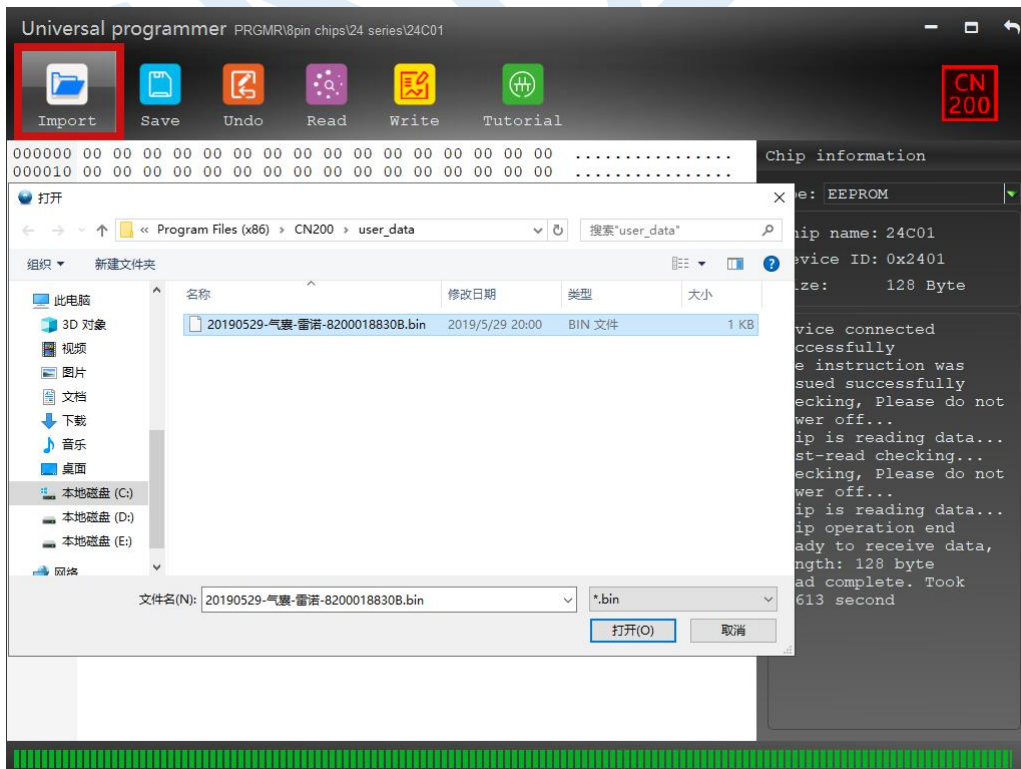


Figure 4-18 Import Data

Click [Save Data] pop-up dialog box, select the directory which you want to save, and then click [Save] to complete, as shown in Figure 4-19:

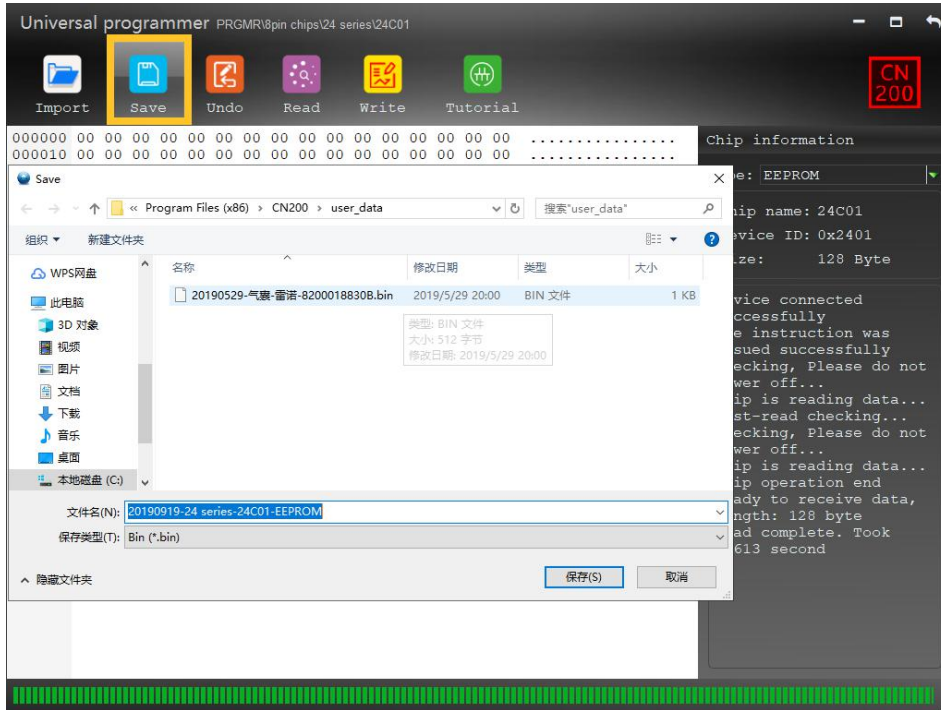


Figure 4-19 Save data

Click [Wiring Tutorial] to enter the wiring diagram interface, as shown in Figure 4-20:

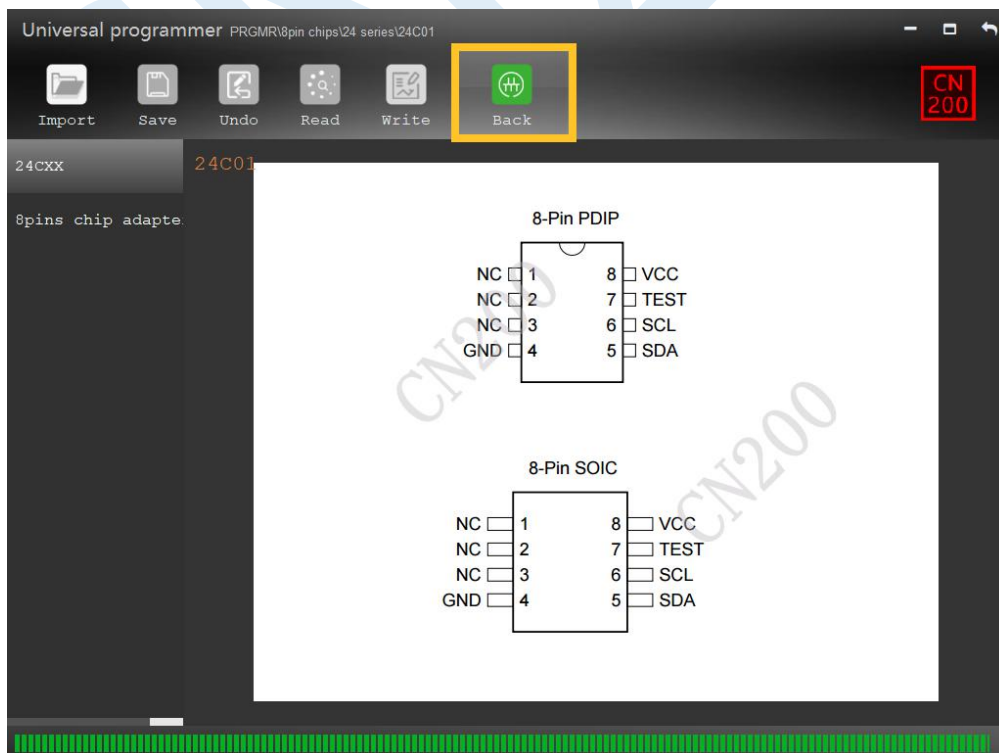


Figure 4-20 Wiring tutorial

5.2 Instrument calibration

Click [Mode Adjustment] display the four major cars: domestic car, Japanese and Korean car, European car, American car, as shown in Figure 5-21.



Figure 5-21 Meter calibration

Click the car which you want to operated, and then enter the model number, as shown in Figure 5-22:



Figure 5-23 Model

- The vehicle model adjustment: import data, save data, undo modification, read data, write data, each adjustment, wiring tutorial, chip information and other functions.
- Select the function which you want to operated as shown in Figure 5-24:

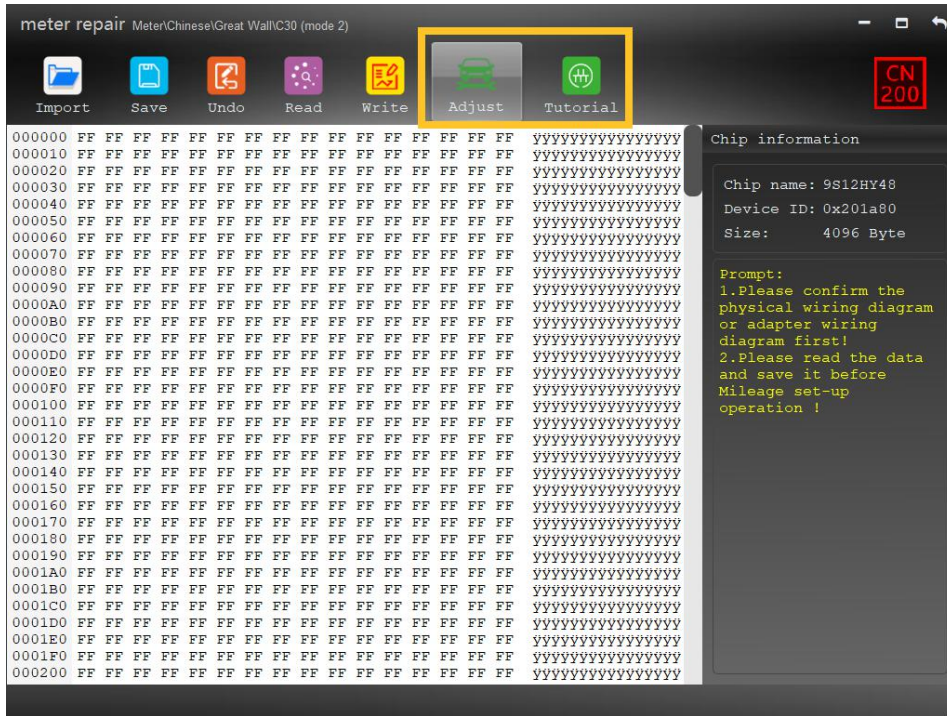


Figure 5-24

Read data: Click [Read Data] that will display the specific data in the hexadecimally edit box. The right side shows the chip information and the mileage of the device, as shown in Figure 5-25.

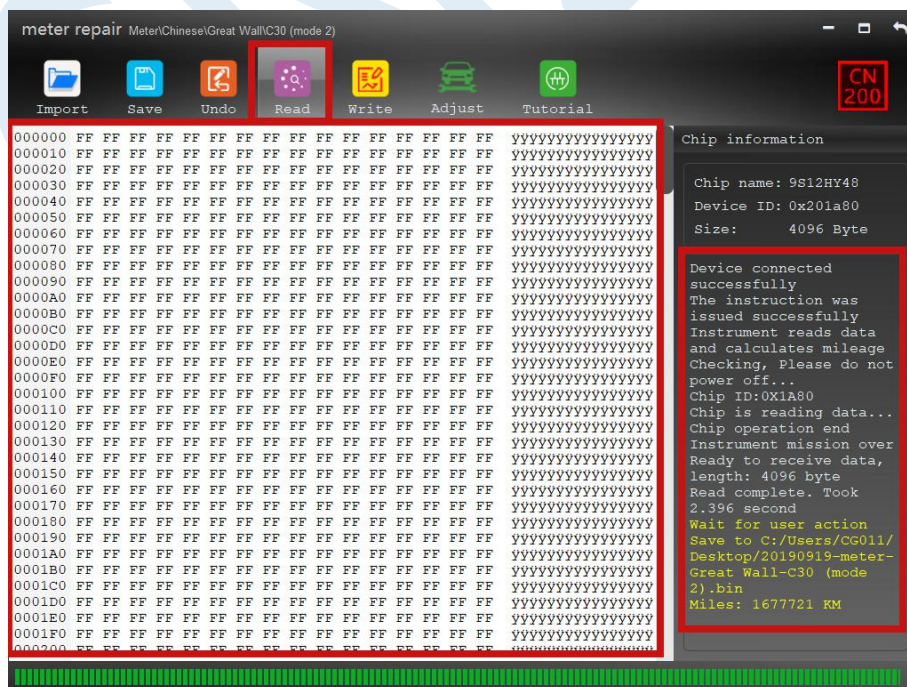


Figure 5-25 Read data

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Mileage adjustment: Click [mileage adjustment] will pop-up a dialog box which can modify the new mileage data, as shown in Figure 5-26.

Click [OK] can adjust the mileage, as shown in Figure 4-27.

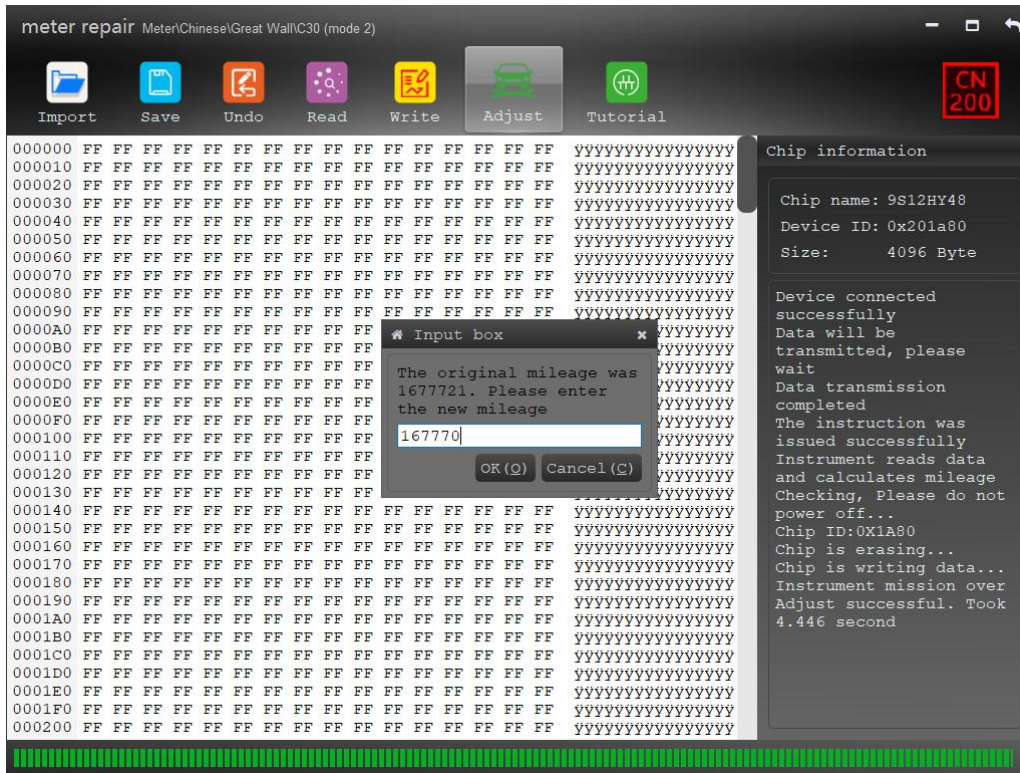


Figure 5-26 Mileage adjustment

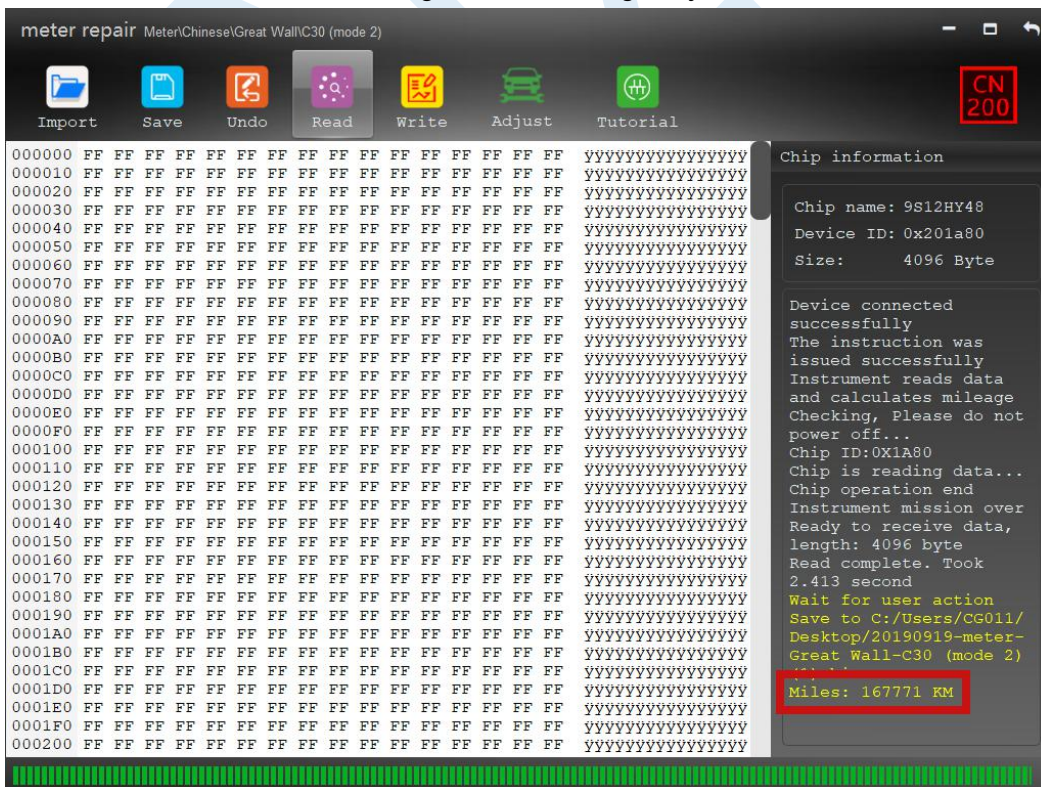


Figure 4-27 OK

After successfully adjusted the mileage, then click [Read Data] to see the adjusted mileage, re-read and compare it with the previous data to ensure successfully calibration .

As shown in Figure 5-28:

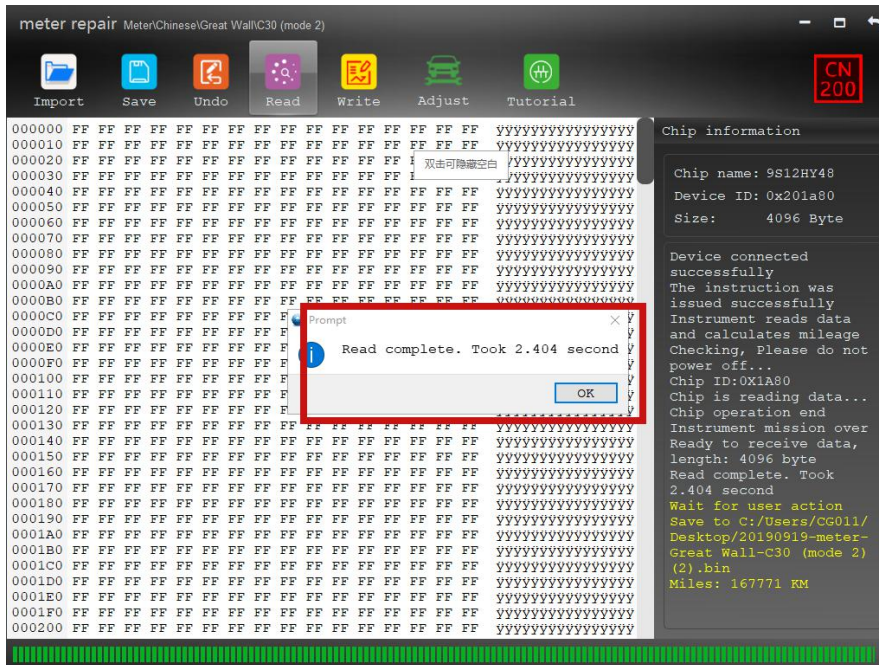


Figure 5-28 Reading new mileage

5.3 Airbag Repair

Operation instruction: Normally, "read data" and save it to the computer;Then perform "repair airbag."

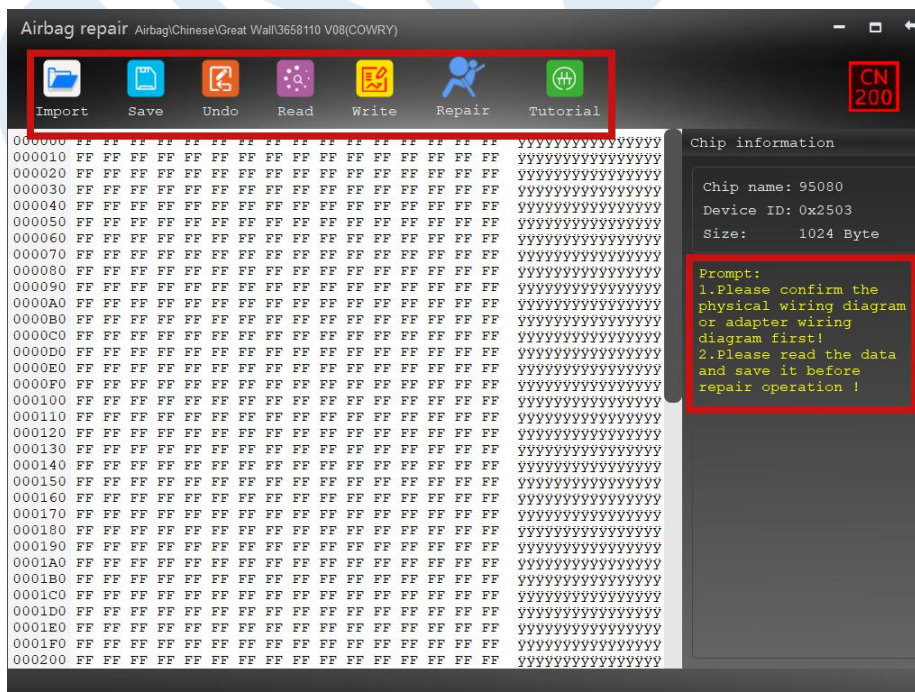


Figure 5-31 Airbag repair interface

Click "repair airbag" there will be prompt repair success or failure

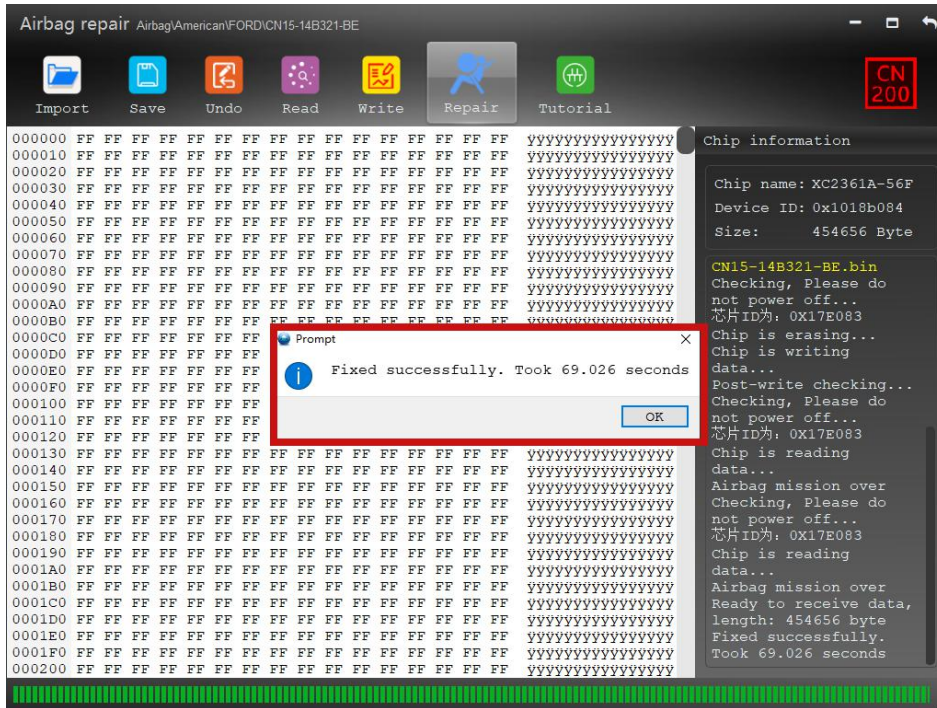


Figure 5-32 Airbag repair success interface

if manually modify required

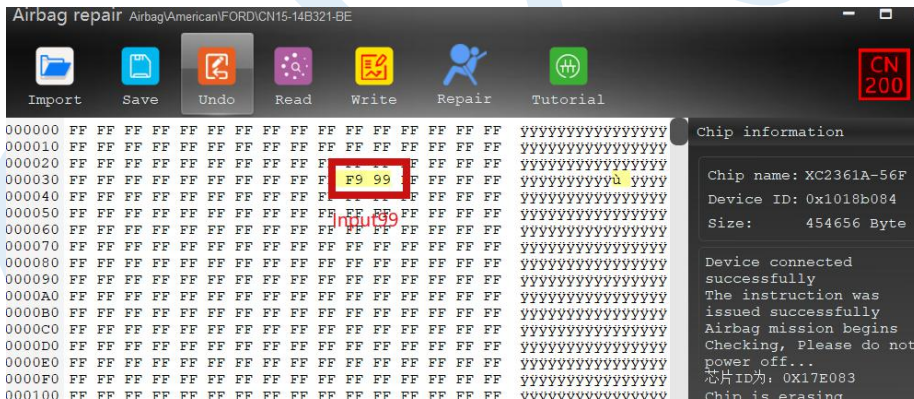


Figure 5-33 Enter 2 data '99' in edit area

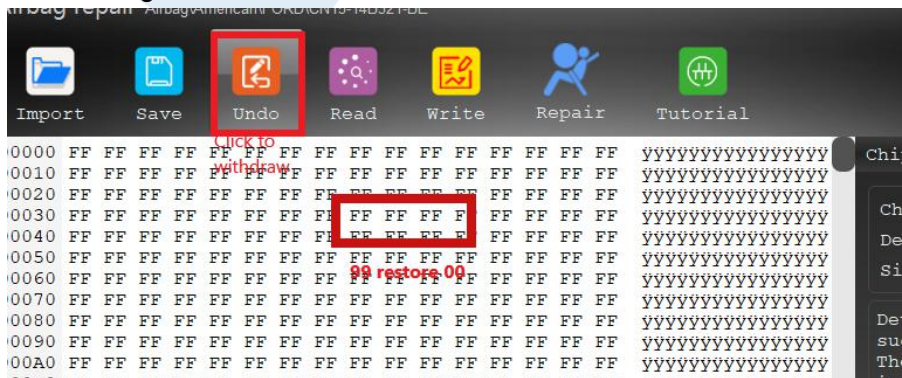


Figure 5-34 undoing the last data entered in edit area, "99" restored to "00"

5.4 ECU , BCM , IMMO

These functional modules operate similarly to meter tuning and airbag repair, please refer to meter tuning or airbag repair operations.

Appendix 1:Instrument open mode Excerpt (continue to upgrade and add model)

车系	厂商	一级型号	二级型号
	BAIC	Saab D50	
		Saab D50 方式 2	
		Saab D50 方式 3	
		Saab D50 方式 4	
		Saab X65	
	BYD	F0 3820010A	
		F3 3820100C-B1	
		G3 3820100B	
		G6 N0	
		S6 3820010C	
		S6 3820010F	
		Suri 3820010	
	Trump chi	Trump chi 8270003BAC0100	
		Trump chi A2C5338498615979	

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	JMC	Yu wins GP2-10849-MA		
		Yu wins GP2-10849-MA II		
		JMC Qiling 2014		
	Jinbei	750 3820100-C01		
		750 3820100-C02-BA		
		750 3820100-C02-BA II		
		Verse. 3820N007A02		
	Chery	A3		
		E3 2013		
		E3 2015		
		E5 2014		
		EQ		
		Carey_K60 K09-3820010LC		
		Carey_Yoyo Q21-3820010(V2)		
		Carey_Yoyo Q22-3820010		
		M7 way 2		
	SGMW	ZB105		
		ZB105 way 2		
		ZB107A		

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		ZB107A way 2	
		ZB108A	
		ZB108B	
		ZB110A	
		ZB110B	
		ZB169N-A	
		SGMW HA HY WAY 2	
	GWM	Cowry 3820100c-v08	
		GW Florid3820100-s8	
		GW 0 5model SUV3820100-k00	
		GW MINI-3820100-m18	
		PLKA 3820300XP21A	
		Hover 08 3820100-k04-D1	
		Hover 09 TW80001177A	
		Hover 3820100-K00-B1	
		Hover 3820100-K08-CJ	
		Hover 3820100-K54-C1	
	Zotye	T600 ZB183P1	
		Z300	
		Z500	

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Dongfeng	81118 (1 : 570)	
	90318 (1 : 570)	
	90408 (1 : 615)	
	90820 (1 : 570)	
	90923 (1 : 570)	
	91007 (1 : 615)	
	100123 (1 : 570)	
	100305 (1 : 495)	
	100512 (1 : 495)	
GEELY	EC7 XHY128	
	EC7 XHY256	
	ZB118TYJ	
	ZB118TYJ (1:595)	
	ZB137LS 方式1	
	ZB137YS	
	GLEAGLE	
JAC	5A000	
	5A010	

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	5A010 WAY 1	
	5A011	
	5A200	
	5A201	
	5A201 WAY 2	
	5A201 WAY3	
	5A210	
	94004-V1210	
CHANA	3820010-308 (1 : 610)	
	CK3820-100P1 (1 : 755)	
	4500_ZB160Q	
	4500_3820010-J02	
	奔奔_3820010-C01	
	BenBen_382010-C01	

FORD	FOX 2009 (9S12XHZ512)	
	Transit_ZB168F1T	
	Edge_FK7T-10849-ANH	
	ESCORT_ED8T-10849-AF	
	kuga_DV4T-10849-RE 2013 Year	

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	mondeo_7S7T-10849-AB 2008 Year	
	mondeo_7S7T-10849-AD 2008 Year	
	Shelby Cobra _AR33-10890	
	S-MAX_AS7T-10849-BB	
	mondeo_BS7T-10849-JD 2011 Year	
	mondeo_DS7T-10849-BRJ 2013 Year	
Universal	Buick	Excelle 2009-2012
		Excelle 2013-2015
		Excelle-GT 2015
		Excelle _20041801D
		Excelle _5483853
		Encore--BMC
		Excelle-GT_13575111 2010 Year
		GL8_BCM 13580198
		PARK AVENUE_9021343
		PARK AVENUE_9048530
	Chevrolet	EPICA
		EPICA way 2
		CRUZE 2015
		SAIL 2015

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		CRUZE_13500385 2009 Year
		Camaro_92240632
		Cavalier_22689179
		EPICA_2007 EPICA
		LOVE_9021829
		Malibu_05 Yea
	Hummer	H2 15199643
		H2 15223557
		H2 03 15199643
		H2 05 Hummer 15136087
		H2 09 20774803
		H2 25862694
Pontiac	SUNFIRE 09386749	
Audi	95 Audi A4_8D0 919 035 G	
	96、97Audi A6_4B0 919 860 F	
	96、97Audi A6_4B0 919 880 A	
	96、97Audi A6_4B0 919 880 B	
	96、97Audi A6_4B0 919 880 H	

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	96、97Audi A6_4B0 919 880 J	
	96、97Audi A6_4B0 919 881 C	
	96、97Audi A6_4B0 919 930 B	
	96、97Audi A6_4B0 919 930 J	
	Audi A6 C5A6_4B0 920 932 R	
Benz	01 ML320_A163 540 27 11	
	Benz C_202 540 01 48	
	Benz C_202 540 51 11	
	Benz CLK230_170 540 23 11	
	Benz E_210 540 24 48	
	Benz E_210 540 43 48	
	ML350_A166 900 30 06	
	Benz S_140 440 02 11	
	Benz S_140 440 15 11	
Citroen	Elysee_09 ZQ00804380	
	Elysee_96 350 601 80 N006	
	Elysee_96 487 985 80	
	Elysee_C00006101JA	
	Elysee_ZQ008404380 12 Year	
	Elysee_ZQ0084380	

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	Elysee_ZQ00909680	
	Fu kang_0902 265 9906	
	Fu kang988_9022619162	
	Fu kang 988_9022659906	
	Fu kang 988 ZB123	
	Fu kang 988 9624304180	
VOLKSWAGEN	99 Xinxiu 330 919 033S	
	99 Xinxiu 330 919 033T	
	Passat B6 3BD 920 848D	
	Passat B6 3BD 920 806F	
	Passat B6 3BD 920 806G	
	Passat B6 3BD 920 848B	
	Golf 5K6 920 870DX 2010 Year	
	Jetta 1GD920 800G	
	Bora 18G 920 826A 2010 Year	
	Bora 1J0 920 805	
Reno	KOLEOS 24810-1562R 2012	
	KOLEOS 24810-4887R	
	KOLEOS 24810-6268A 2012	
	KOLEOS 24810-8679R 2013	

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	Megane 8200364023	
	Scenic 09 款 ZQ00804380	
	Scenic P8200 704 463A	
PEUGUOT	308 9667030080	
Opel	99 00 Vectra 09 134 518	
	Vectra 0413140901X	
	ZAFIRA 09228762ER	
BMW	96 Previous 5、 7series6211-1 388 757	
	96 Previous 5、 7series6211-1 388 762	
	96 Previous 5、 7series6211-1 388 765	
	96 Previous 5、 7series6211-1 388 767	
	96 Previous 5、 7series6211-1 389 564	
	96 Previous 5、 7series6211-8 350 530	
	96 Previous 5、 7series6211-8 351 834	
	96Previous 5、 7series 6211-8 356 030	
	96 Previous 5、 7series 6211-8 356 031	
	96 Previous 5、 7series 6211-8 356 034	
Honda	XR-V	
	XR-V	
	Gerui	

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	VEZEL	
	FIT(Low)	
	FIT(high)	
	97-98cMileage 78100-W000	
	02 STREAM 78100-h300	
	ACCORD 03-05 78100-SDA-A010	
Toyota	04 PRADO4.0 83800 60S12-1 2013 Year	
	04 PRADO4.0 83800-6B810	
	04 PRADO4.0 83800-6D490-D	
	04 PRADO4.0 83800-6D500-D	
	04 PRADO4.0 83800-6D501	
	Camry 08 款 83800-06N91	
	Camry 83800-06P00	
	COROLLA _83800-02N70	
	CROWN _83800-0N160	
	Highlander_83800-0E630	
Nissan	97 98 Cefiro A32 1L000	
	97 98 Cefiro A32 2L100	
	97 98 Cefiro A32 3L000	

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	97 98 Cefiro A32 3L100	
	97 98 Cefiro A32 3L220	
	97 98 Cefiro A32 3L280	
	97 98 Cefiro A32 3L281	
	TEANA_08 JN02A-5UJE	
	TIIDA ED500	
	SYLPHY_EW800	
KIA	carens 94003-1D480	
	carens 94003-A4240	
	Carnival Wagon L4B OK 54B55430	
	cerato 94003-03030	
	cerato 940003-0s110	
	cerato 94003-0s120	
	cerato94003-2F020	
	cerato 94013-0s050	
	cerato 94013-0s020	
	Forte 94003-1X010	
Hyundai	2016 carens	
	2018 IX25	
	VERNA	

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	SONATA 9	
	SONATA 9 V2	
	95 SONATA NO	
	04 COUPER 94003-2C860	
	ACCENT 94003-0M000	
	ACCENT 94003-0M001	

Appendix 2: Airbag open mode Excerpt (continue to upgrade and add model)

Honda	77960-TF0-H632-M3	
	77960-TF0-H640-M3	
	77960-TF0-H832-M3	
HYUNDAI	95910-0M000 25640	
	95910-0Q000 25640	
	95910-0R200 25640	
	95910-0U100 95128	
	95910-0U110 95128	
	95910-1E000 25640	
	95910-1E100 25640	
	95910-1Z000 25640	
	95910-26100 95080	
	95910-26200 95080	
	95910-26600 95080	
	J50K2FE 24C04	
	J50K2FE67-7F0 24C04	

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	K2	95910-4X000	95128
		95910-4X010	95128
	K3	95910-B5000	95128
		95910-B5100	95128
		95910-B5300	95128
	霸锐 (Borrego)	95910-2J500	95640
	佳乐 (Carens)	95910-1D400	95320
	欧菲莱斯 (Opirus)	95910-3F000	95080
		95910-3F300	95080
		95910-3F850	95160
Nissan	28556JC20B	95160	
	28556JE20A	95160	
	28556JX01B	L56R	
	28556JX03B	L56R	
	28556VJ301	L56R	
	28556VJXXX		
	988201BMOA	L56R	
	988201BM1A		
	988201CM0A (12V)	L56R93C56	
	988201DF0B		
Toyota	33100	93C56	
	33260	93C56	
	52120	93C56	
	89170-02160	25040	
	89170-02190	25040	
	89170-02250	25040	
	89170-02290	25040	
	89170-02410	25040	
	89170-02430	93C56	
	89170-02700	93C56	
	89170-02760	25040	
	89170-02770	93C56	
Universal	1005772	95080	
	10366054 (H2)	95160	
	15292892	95160	
	5498640	95080	
	Epica (景程)	5WY67098	25160

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	Excelle (凯越)	9012527 95160
		9018740 95160
		9012455 95160
		9012526 95160
		9012527 95160
		9042475 95160
		96406712 95080
		96818875 95080
Ford Eight pins	1S7T14B056 95080	
	4M5T14B056BJ 95080	
	4M5T14B056CA 95080	
	4S7T-14B056-AB 95160	
	4S7T-14B056-AC 95160	
	4S7T-14B056-AD 95160	
	6M64-14B321-GB 95160	
	7M2T 14B056 AC 95160	
	7S7T-14B056 95160	
	7S7T-14B056-BB	V1 95160
	V2 95160	
Ford SCM	AB39-14B321-AG	
	BL34-14B321-FA	
	BL34-14B321-FB	
	BR33-14B321-AF	
	BT43-14B321-AC	
	BT43-14B321-AF	
	BT43-14B321-AG	
	C1BT-14B321-FD	
	CN15-14B321-AE	
	CN15-14B321-AF	
	CN15-14B321-BE	
Benz	A1648204326 95640	
	A1648204426 95640	
	A1648204526 95640	
	A1648205585 95640	
	A1648205685 95640	
	A1648205785 95640	
	A1648207426 95640	
	A1648207926 95640	

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	A1648208126 95640	
	A1648209585 95640	
	A1648209685 95640	
Volvo	P31334279 95128	
	P31334542 95128	
	P31340796 95128	
	P31387523 95128	
	P31406637 95128	
	P31423559 95128	
	P31423599 95128	
	P31451754 95128	
	P31476103 95128	
Audi	4F0 959 655 A 95160	
	4F0 959 655 B 95160	
	4GD 959 655 A 95640	
	4L0 959 655 95160	
	4L0 959 655 B 95160	
	4L0 959 655 C 95160	
BMW	65. 77-3428715 95128	
	65. 77-3451799 95128	
	65. 77-3453791 95128	
	65. 77-3454345 95128	
	65. 77-6964607 95640	
	65. 77-6977427 95640	
	65. 77-9110258 95640	
	65. 77-9114214 95128	
	65. 77-9118749 95128	
	65. 77-9119058 95640	
	65. 77-9119749 95128	
Citroen	9658177080 95320	
	9659532380 95320	
	9665495580 95320	
	9665495680 95320	
	9665495780 95320	
	9673624980 95320	
	9673625080 95320	
	9673787180 95320	
	9673787280 95320	

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	9673787480	95320	
	9675181780	95160	
Peugeot	9807575780		
	98075759820762700		
	Peugeot 9809470080 (No Gas curtain)		
Reno	285580901R	95640	
	285581676R	95640	
	285581719R	95640	
	285583504R	95640	
	8200018830B	93C66	
	8200018835A	93C66	
	8200027784B	93C66	
	8200058365D	95080	
	8200098401	93C66	
	8200111667	93C66	
	8200111671	93C66	
Volkswagen	1K0 909 605 A	95160	
	1K0 909 605 AE	95160	
	1K0 909 605 E	95160	
	1K0 909 605 K	95160	
	1K0 909 605 N	95160	
	3CD 959 655	95640	
	3CD 959 655 A	95640	
	3T0 959 655 A	95640	
	3TD 959 655	95640	
	3TD 959 655 A	95640	
	3TD 959 655 B	95640	
Beiqi	110005699	95160	
	113658010	95160	
	113658050	95160	
	118403580	95160	
	58240100-B01-000 (95160)		
	58240100-B02-000 (95160)		
	58240100-B21-000 (95160)		
	58240100-B22-000 (95160)		
	58240100-B23-000 (95160)		
	58240100-B24-000 (95160)		
	58240100-B25-000 (95160)		

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BYD	F3	0306C4060407 93C56
		3658010-A1 (24C04)
	F6	3658100-A1 (24C04)
		3658100-A2 (24C04)
		3658100-C1 (24C16)
		EG3658100 (24C16)
	G3-3658100 (24C16)	
S6	S6-3658100B (24C16)	
CHANA	3414070-W01 (95160)	
	3414700-N03 (95320)	
	3414700-U02 (95320)	
	3414700-U03 (95320)	
	38910-62L00 (95160)	
	38910-65D0-1 (94C46)	
	38910-843A0 (93C56)	
	8V59-14B321-CA (95320)	
	CS15-3658100-BE01 (95320)	
	CS75 3414070-M02 (95320)	
	J3858026-3402200 (95080)	
CHERY	A13-3606010GA 95160	
	A21-3606010 95080	
	A21-3606010BA 95080	
	J52-3658010	V1 95160
		V2 95160
	M11-3606010 25640	
	T11-3606011 25160	
	T11-3606011PQ 95320	
	T21-3658070BA 95320	
J42-3658010		
DONGFENG	82MK-14150 25160	
	BX5A-5824020 95160	
	MR495294 93C56	
Geely	1018185 95160	
	1703533 95160	
	1703577 95160	
	1709516 95160	
	222426-127 95640	
	2463370 95040	

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	611286500 95160		
	625564900 95160		
	629725800 95160		
	EC7-620432200 95160		
	J3858048 95160		
GW	3658110-V08 (cowry) (95080)		
	3658110A-G08 (95080)		
	3658110XG09XA (VoleexC20) (25160)		
	3658110XJ08XB (Voleex C30) 95160		
	3658110XSZ08A (Haval H2) 95320		
	M4-3658100 XS56XA 95160		
	Haval H3	3658100-K18 (HavalH3) (95160)	
	Haval H6		3658110-XKZ16B (95160)
			3658110-XKZ16C (95160)
			3658120-XJZ08B (95160)
			3658120XKZ16B (HavalH6) (95160)
		3658120XKZ16C (95160)	
		3658120-XKZ96A (95160)	
	3658130-XKZ96A (95160)		
JAC	5824901U7101 95160		
	5824901U8010 (95080)		
	JAC (L22064)		
Jinbei	SY6480B2D 3402100 95080		
JMC	3414070-B01 (25C160)		
	3414070-D01 (95080)		
Trumpchi	6SQ 222426-125 (Trumpchi) (25640)		
SGMW	24519199-611287900A 95080		
	24528861-611288000A 95080		
	24557699-623052300 25A16 (25160)		
Zotye	3658010-06 95160		
	Z500 3658010002-A02 95320		
	J3858315 3658010001-B11		
	J3858403 3658010002-T22		
	Damai X5 J3858402 3658010001-T22		
	Zotye T600 J3858316 -B11 (8channel)		