



Nanning Yanhua Electronics Co.Ltd

Nanning Auto Service Co.Ltd

# ADM-300A Instruction

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#### **Important Statement:**

This instruction is only available for reference for users. Nanning Auto Service Co., Ltd. reserves the right to change the product or product instruction without notice, reserves the right not to update this document to inform these changes.

# **I** Product Introduction

#### 1. Features

SMDSIII is applicable to Audio Decoding, Reading IMMO code, Airbag resetting, Odometer Adjusting, ECU Programming, Data programming and so on.

(1) **Web-base guide** :Give direction to operation. Easy operation and support full range vehicle type.

(2) **Memory rewriting**: Modify the data of software; the data of chip will be modified accordingly without any programming.

(3) **Universal Socket**: Solder different types chip to the same socket can read and program immediately. One socket is used for all the devices.

(4) **USB interface**: Plug and play is ten times of the speed parallel port.

(5) **Remote real-time control**: All the operation can be remote operated by factory to carry out easy distance training (need to contact with the factory before operation)

#### (6) Hardware and software can be upgraded on internet.

#### (7) Authorization way:

Permanent authorization: is a one-time buyout of existing model authorization Renewal fee authorization: is a tokens deduction authorization. When original tokens in the device will be used up, user can pay for the tokens to recharge flexibly.

## 2. ADM-300A Device





# **II Software Installation**

Operation steps:



You have completed the software installation , and the computer desktop displays





# **III** Activation

Note: Make sure the computer has been online before doing product activation

operation.

After finished the software installation, <u>SMDS III is on power and connect with computer by USB</u> <u>line</u>. Double click icon on the computer desktop; software will search for device running program automatically. Operate as the following figure.





nformation Tip:		
Operation	^	
Device Normal		
Operation		
Device Normal		
Operation		
Downloading files(20/38)		
	<u> </u>	

device activation	
Information Tip:	
Operation	
Device Normal	
Operation	
Downloading files(38/38)	
Upgrade file ok	
Activate successfully	
L	
	Next Finish
	INEXL HIST



# **IV** Payment

Note: Make sure the computer has been online before doing product payment

operation.

YanHua Auto Master Series	
	gital Master
	Homepage Back Remote service Shopping cart Directions Exit
	🗬 Products Management: 🧰 Back
Programmer	1 Update
Audio Decoding	🖙 Recharge & Account center:
Meter system	Authorise Authorise Payment
ј іммо	⇔ Help Center:
Airbag resetting	
ECU	Up-guide      Vertions Remote Assistance
Management	



nformation Tip:		
Device Normal	<u>^</u>	
lemain E-cash: 1000		
Operation		
Device Normal		
Operation		
Charge successfully		
	~	



# V Upgrade

Note: Make sure the computer has been online before doing product upgrade

# operation.

YanHua Auto Master Series	
Auto Digita	al Master -
ADN	M-300A
	Products Management:
Programmer	1 Update
Audio Decoding	Recharge & Account center:
Meter system	Authorise Authorise Payment
ІММО	⇔Help Center:
Airbag resetting	
ECU	Up-guide
Management	
	Device ID:62F4532200000050. Software Version: 1.00 Program info: A003000100 Program is running in local operation mode .

Software Upgrade		upgrade firmware
Programe Informations: Upgrade Car Key Master Check last upgrade Car Key Master Check upgrade Car Key Master Check upgrade Car Key Master Read file list Car Key Master Downloading File upgrate progress: 14.93%	Reconnect	Information Tip: Verify Code: Vozr See clearly, change one Input validation code
	Next Exit	Next Exit

upgrade firmware	
Information Tip:	
Operation	
Device Normal	
Remain E-cash: 1995	
Device validate ok	
Downloading files(11/18)	
	Next Exit



After the firmware upgrade completed there will pop up a dialog box and prompt whether you need to upgrade adapter, if yes, click "Yes" to upgrade adapter; If not, click "No" to cancel adapter upgrade.



# **VI** Examples

#### 1. Programmer

Programmer is specializing in reading, displaying, saving and programming memory device. It can be used in common data adjusting, problems and troubleshooting of auto meter, engine ECU, airbag ECU, and compute program matching, audio decoding, SRS and so on. Different from other OEM tools that can only use in specific car models, the programmer can use in all kinds of cars when the area of memory data is found. Accompanied by more relevant function modules, such as audio decoding module, odometer adjusting module, IMMO code reader module, it will solve the technical problem quickly and accurately during car repairing process.

(1) In the homepage, click "Programmer", you will see "IC Program" and "CPU Program". Take "IC Program" for example, please see the following picture.

	93006	S220	93LC86	24C44	X5045	95P04	non-standard 93C46	89102
17	93C14	93C66	24C01	25010	25080	95128	24C02A	CXK1011
Programm	93C46	68343	24C01A	25020	95080	95320	ST14771	85C72
	93LC46	93LC66	24C02	95020	25160	MX29F6008	95160	85C82
Audio Deco	C46M6	C66M6	24C04	25040	25170	ST29F800B	95010	85092
(The second s	S130	93CS66	24008	95040	25320	AMD29F800B	24C128	3132
Moter sys	4em 93C56	B58(BOSCH)	24C16	25043	25640	FUITSU29F800B	24C256	PDH004
	93LC56	B58252	24C17	25045	35080	MK29F400B	95P08	D6253
Г іммо	93CS56	93C76	24032	X25043	59C11	ST29F400B	95P01	D6254
-	FUITSU29F400B	93C86	24C64	X5043	97101	AMD29F400B	95P02	

#### **Button features Instruction:**

"Home": go back to the first page of the system and reselect the function modules. "Back": back to previous page.

(2) Select 93LC56 , click it will start reading data. When complete reading, you will see window as follows.

Note thy         Outp Programs         Note for         Date for	YarHus A	uto Maste	r Series								Constraints
0x00: F959 AAB9 15D6 0961 F959 AAB9 15D6 0961 .Ya.Ya 0x10: 6A46 E279 7402 D448 6A46 E279 7402 D48 jF.ytKjF.ytK 0x20: 53D6 C796 CEEB 0667 53D6 C796 CEEB 0667 SgS 0x30: 2A88 7FBB 4BAF 065C 2A88 7FBB 4BAF 065C,gS 0x40: 6109 D615 B9AA 59F9 3034 CC8F 4B04 1E4A aY.04.K.J 0x40: 6109 D615 B9AA 59F9 3034 CC8F 4B04 1E4A aY.04.K.J 0x70: D3DF 523A 5D06 23AF 4F3C 7880 7BAF A322S\.K.I.* 0x40: 6109 D615 B9AA 59F9 3034 CC8F 4B04 1E4A aY.04.K.J 0x90: 6109 D615 B9AA 59F9 3034 CC8F 4B04 1E4A aY.04.K.J 0x90: 6109 D615 B9AA 59F9 3034 CC8F 4B04 1E4A aY.04.K.J 0x90: 6109 D615 B9AA 59F9 3034 CC8F 4B04 1E4A aY.04.K.J 0x90: 6706 EBCE 96E7 BC53 5C06 AF4B BB7F 882A 0x00: 6109 D615 B9AA 59F9 3034 CC8F 4B04 1E4A aY.04.K.J 0x00: 6109 D615 B9AA 59F9 3034 CC8F 4B04 1E4A aY.04.K.J 0x00: 6706 EBCE 96E7 BC53 5C06 AF4B BB7F 882A 0x00: 6706 EBCE 96E7 BC53 5C06 AF4B BB7F A3D2R:].#.0 <xx.(< th=""><th>and the</th><th>4 chip</th><th></th><th>hip fro</th><th>gr sam in g</th><th>1</th><th>Robity</th><th>data</th><th>- Same</th><th>ere data 🦕 Loud file 💉 Reit</th><th></th></xx.(<>	and the	4 chip		hip fro	gr sam in g	1	Robity	data	- Same	ere data 🦕 Loud file 💉 Reit	
	0x00: 0x10: 0x20: 0x30: 0x40: 0x50: 0x70: 0x80: 0x80: 0x80: 0x80: 0xC0: 0xC0: 0xC0: 0xC0: 0xF0:	F959 6A46 2388 6109 6706 6706 6706 6706 6706 6706 6707 030F 030F 030F	AAB9 E2796 7FBB D615 EBCE EBCE EBCE EBCE EBCE EBCE EBCE EBC	15D6 7402 CEEB 4BAF 96E7 5D06 6C23 5D06 6C23 5D06 6C23 5D06 6C23 5D06	0961 D84B 0667 065C 59F9 BC53 23AF 59F9 BC53 23AF 23AF 23AF	F9S9 6A46 53BC 2A88 3034 5C06 4F3C 3034 5C06 4F3C 3034 5C07FE 4F3C	AAB9 E2796 7FBB CC8F AF4B 1813 7880 CC8F AF4B 1813 7880 CC8F AF4B 1813 7880	15D6 7402 CEEB 4BAF 4B04 8B7F DE6A 7BAF 4B04 8B7F DE6A 7BAF 7BAF 7BAF	0961 D848 0667 065C 1E4A 882A 0ADD A3D2 1E4A 882A 0ADD A3D2 1E4A 882A 0ADD A3D2	1 .Ya.Ya B jF.ytKjF.ytK 7 S9S9 CI.K	
a h i an ann an ann ann ann an an an an an an		-									

Button	Instruction
Bood chip	Read the device data and display
Read Chip	them in the memory data area.
Modify data	Memory data area turns into
	modifiable status.
Sava data	Save the current data of the
Save dala	memory data area.
Lood filo	Open an initial data file and write
	the initial data into device.
Chip	You could write programmed data
programming	into the device.
	Close memory data area and
Exit	back to previous page to reselect
	device and others.

''Memory Data Manipulation'' Menu command	Instruction
Select all	Select all the data in memory data area.
Go (Address)	Place the cursor jump to the specified address.

Note: Click on the top of this form of "memory data manipulation" menu will pop-up sub-menus, menu commands listed above.

# (3) Modify data

Click "Modify Data", memory data area turn into modifiable status, shown as picture. Once a data is modified, it will write into the device immediately. It realize program when modifying.

Button	Instruction
Eraser	Eraser the data of the chip. Use this operation must be careful, or some
chip	special chip will be damaged.
Verify chip	Read data of the chip and compare with the data of memory data area.
Undo	Cancel one or more (at most 20) done operation. If cannot do the undo function or no operation can be undone, this button cannot be used.
Exit modify	Memory data area turns into unmodified status. Such operation reset undo function which makes done operation cannot be undone. So, please consider the changes whether to restore to the original state when you exit.
Copy data	Drag the mouse to select the data you want to copy, and then click this button. Now your copied data will save in the computer temporarily. The operation of Paste Data can call out and put the data into the specific location.
Paste Data	First, you should operate "Copy Data", then move the cursor to where the data should be in, at last click this button to put the copied data in the place of the cursor.
Fill data	Fill some regular data into the specific location of the device.



#### 2.Audio Decoding

Main functions: get the audio code. The audio will activate IMMO system automatically when power off cause by battery damage or other reasons. You should input the code when power on again.

Steps are as follows:



(1) Click "Audio Decoding" on the homepage, select the car model. For instance, picture as follow, click "VW".

YanHua Auto Master Series					and all a
Auto Dig	ital Master	Homepage Back Remotes	ervice Shooping cart Dire	ctions Exit	16
	⇔Please select t	the audio decoding auto ser	ies: (See the Help)	ack)	
Programmer	Alfa	Audi	Benz	BMW	
Audio Decoding	Ford	GM	Honda	Lexus	
Meter system	Mazda	Mitsubishi	Peugeot	Porsche	
<i>і</i> ммо	Renault	Toyota	Volvo	Volkswagen	
Airbag resetting	Address	BMW TV-free			
ECU					
Management					
	Device ID:62F	4532200000050 Software Version:1.00	Program info:A003000100 Program	n is running in local operation mode .	



#### **Button features Instruction:**

"Home": go back to the first page of the system and reselect the function modules. "Back": back to previous page.

(2) When you get into the module of audio decoding and selected VW, select the audio model. For instance, click "Shanghai Passat B5VWZ6Z3Y1614621"

	DM-300A Hor	nepage Back Remote service S	hopping cart Directions Exit
2	Audio decoding Volkswage	en applicable models:	
Programmer	Volkswagen CQ- LV1110	Volkswagen CQ- LV1111	Volkswagen PE-9839W
Audio Decoding	VW2623	VWZ1Z5E2765528	VWZ6Z1C0008206
	Santana	Santana 98	New Shanghai Passat
Moter system	Bora	Passat B5 Passat	Shanghai Passat B5VWZ623Y1614621
ІММО	Polo-9355093		
Airbag resetting			
ECU			

(3) Chip Disassembling & Soldering

① It will display the detail information of the audio when you select the model number, such as chip type, the code can be modified or not and so on.

② Find out the relevant chip (for example 24C16) on the circuit board, remember its location before disassembling, and then solder it to the adapter.

③ Connect the adapter with the device by 25pin socket. Click "Local Operation" to read the device data.





#### (4) Acquire passwords

(1) If the audio code cannot be read and modified, first save the data, then prompt to select the file needed transfer. That is to write the known code into the chip, and the code is fixed. When program successfully, put the chip back to the audio. At last, unlock the audio with the code. For instance, write the code transfer file "Shanghai Passat B5VWZ6Z3Y1614621" into the chip, then get a code 1821; and if "-" within filename, it means you don't need code to unlock the audio when program.

Yanihua Auto Master Sei	ries			1000
💋 Bodify data	Transfer Som	nd Code 📃 Sure data 🔅	n, Int	
Ox000: 0000 0 Ox010: 0000 0 Ox020: 0000 0 Ox030: 0000 0 Ox040: 0000 0 Ox050: 0000 0 Ox060: 0000 0 Ox060: 0000 0 Ox060: 0000 0 Ox060: 0000 0		00         00000         00000         00000         0000         0000           00         0000         0000         0000         0000         0000         0000           00         0000 <th></th> <th></th>		
Dx QAO:         QOUD Q           Dx QAO:         QOUD Q           Qx QDO:         QOUD Q           Qx 100:         QOUD Q           Qx 140:         QOUD Q	0000         0000         0000           0000         0000         0000           0000         0000         000           0000         0000         000           0000         0000         000           0000         0000         000           0000         0000         000           0000         0000         000           0000         0000         000           0000         0000         000           0000         0000         000           0000         0000         000           0000         0000         000           0000         0000         000	00 0000 00 00 0000 00 00 0000 00 00 0000 00 1821.VH 00 0000 00 00 0000 00 00 0000 00 00 0000 00 00 0000 00 00 0000 00 1821 1821	Nected file for transfer. HB5VW2623Y1614621- Cancel te: Terefort Reselect	
0x140:0000         00000           0x150:0000         0           0x160:0000         0           0x180:0000         0		00         00000         0000         0000		×



② If the audio can be read and modified, the soft will prompt you to save the initial data when you click "Local Operation". ("Save" will automatically save to the default path: C:\Program Files\SMDS3\user data directory.), the software will read the code of such type audio automatically, and use this code to unlock the audio when put the chip back.

#### (5) Modify data

The audio unlock when you get the code. And if you don't want to modify the chip data you can skip this step when finishing audio decoding.

The memory data area will appear when finishing reading device data as follows pictures.

YanHua Aub	o Master	Series								
🛒 Qui t	the and	lificiti	n 19	Inde	-	igy date	10	Taxte d	dara 🛗 7222 dara	
0x000:	1932	0046	0000	0000	0000	0000	0000	0000		~
0x010:	0000	0000	0004	BSSD	0C72	0000	0001	0000	].r	, inter
0x020:	006F	D100	3050	BCOO	3010	2531	3BFF	FFFF	.o <p<.%1:< th=""><th>1.25</th></p<.%1:<>	1.25
0x030:	0001	0000	0105	<b>3FFF</b>	0606	FF04	0909	0909		
0x040:	0909	0909	0A09	0909	0109	0901	1613	0000		
0x050:	0101	0202	0303	0404	0405	0506	0607	0708		
0x060:	0800	0102	0203	0304	0405	0506	0607	0708		
0x070:	0809	090A	0A00	00,40	0003	0000	01FF	FFFF		
0x080:	FFFF	FF03	0118	FFFF	<b>FF96</b>	6003	0303	0620		
0x090:	8815	0103	1804	DC74	7802	ADAA	0022	2E03	tx"	
:0A0x0	FF01	238C	03FF	0225	1003	FF03	25E4	03FF	#	
0x0B0:	0427	9003	FF05	297C	03FF	0629	F403	FF07	. ') [)	
0x0C0:	238C	03FF	FFFF	FF05	FFFF	FFFF	05FF	FFFF	#	
orono:	FF05	FFFF	FFFF	05FF	FFFF	FF05	FFFF	FFFF		
0x0E0:	OSFF	FFFF	FF05	FFFF	FFFF	05FF	FFFF	FF05		
0x0F0:	FFFF	FFFF	OSFF	FFFF	FF05	FFFF	FFFF	OSFF		
0x100:	FFFF	FF05	FFFF	FFFF	OSFF	FFFF	FF05	FFFF	***********	
0x110:	FFFF	OSFF	1802	1303	FFFF	FFFF	OSFF	FFFF	**********	
0x120:	FF05	FFFF	FFFF	05FF	FFFF	FF05	FFFF	FFFF		
0x130:	05FF	FFFF	FF05	FFFF	FFFF	05FF	FFFF	FF05	***********	
0x140:	FFFF	FFFF	05FF	FFFF	FF05	FFFF	FFFF	OSFF		
0x150:	FFFF	FF05	FFFF	FFFF	OSFF	FFFF	FF05	FFFF		
Ox160:	FFFF	OSFF	0000	0000	FFFF	FFFF	FFFF	FFFF	***********	
0x170:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF		
0x180:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF		
0x190:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF		
UXIAU:	1111	8000	3122	6302	8800	0033	0000	0000	1°c3	
UX1BU:	0000	0000	0000	0000	0900	0900	0000	0000		
OWICU:	0029	2900	0000	TTTT	FFFF	CTOP .	TTTT	PPPP	.11	
Ow 1FC	1004	2222	0001	PPPP	2011	0102	USIC PEPE	DO20		
0-120:	1004	1013	0001	FFFF	FFFF	2222	TLLL	FFFF		100
02110:	TILL	ELLE.	tttt	FLLL	S.C.C.E		LLLL	erer.	**********	×
Auto name:		Auto t	574 H	State of the	- Devi	re ID:63	2B4FD1EC	0000022	Software Version 1.00 Program info # Program is running in local operation mode .	

Button	Instruction
Modify data	The area of memory data can be modify when click this button.
Save data	Click this button and input the path and filename to save the current data in the memory data area.
Send data to factory	Save the data as a file and send to factory by email.
Read audio code	Read and display the audio code (only for audio that its code can be modified).
Modify audio code	Modify audio code (only for audio that its code can be modified)
Transfer audio code	Open the initial data file of the known audio code and write it into the device.
Exit memory data area	Click it means close the memory data area and back to the selected info browser window, then you can select other device or function.

#### 3. Meter System

Main functions: Used for odometer adjustment Adjustment steps as follows:





(1) Click the "Meter system" button on the home page, choose the odometer- owned cars, as: American cars.

	gital Master	Homepage Back Remote si	ervice Shopping cart Direction	s Exit	
	Please select	car series: (See the Help)	Back		
Programmer	Europe	Americas	Japan&Korea		
Meter system	Motor				
IMMO					
ECU					
Management					

#### **Button features Instruction:**

"Home": go back to the first page of the system and reselect the function modules. "Back": back to previous page.

(2) This page is the odometer-owned cars, as: Click Chrysler to enter the corresponding model: Grand Cherokee. 300C. 300M. Now take an example to 300MK.





(3) Remove chip or welding cable

1 It will shows the detail information after choose the corresponding model, as the chip model, power-map.

2 A. Based on the chip model and power-map (Because some odometer chip

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contains a multi-block, or there are other considerations) to find the chip on the odometer PCB, remember that direction then removed it, installed on universal adapter, If the original chips have been damaged or adjusted by the new chips please use the same model;

B. This is the Split-free chip, Please connect the cable refer to the wiring diagram from software, and then plug the ICP to the 25 pin socket of the SMDSIII.



③ Click "Local operation" on the upper right corner of the dialog box as the upper picture, the meter will read the device data immediately.

#### (4) Input mileage

① Click "yes" the device will save the data of chip automatically, and will point its name and location (The detail please looks at Page 12, 1.(3) Modify data).

② The follow window means the original data of the chip have saved.

A. Input the mileage you want on the white box then click "yes".

B. For there are not only mileage data on the odometer chip, so please write the original data on the new chip before adjust, then write the mileage.

a. Click the "cancel" as the follow picture, then click "restore the original data", choose the original data to write the chip, the device supply the most of cars original data, if there is not, please collecting, take out the chip in the odometer, read the data then save it.

b. Click the "Adjust mileage", input the mileage you wanted to adjust on the white box, then click "yes".



YanHua Aut	o Master 3	Series								12	
W Made	fy data	I	Save dat	• •	Real o	ilesgs	ĝ,	erune da	ta 🖂 Brit		
0x000:	F959	AAB9	15D6	0961	F959	AAB9	1506	0961	.Ya.Ya		
0x010:	6A46	E279	7402	D848	6A46	E279	7402	D84B	jF.ytKjF.ytK		
0x020:	53BC	£796	CEEB	0667	S3BC	E796	CEEB	0667	SgSg		
0x030:	2A88	7FBB	4BAF	065C	2A88	7FBB	4BAF	065C	•.1.K		
0x040:	6109	D615	<b>B9AA</b>	5989	3034	CC8F.	4804	1E4A	aY.04KJ		
0x050:	6706	EBCE	96E7	BC53	5006	AF4B	BB7F	882A	gS\K.I.*		
0x060:	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	DOAD	m.1#j		
0x070:	D3DF	523A	5D06	23AF	4F3C	7880	7BAF	A3D2	R:].#.0 <z.{< td=""><td></td><td></td></z.{<>		
0x080:	6109	D615	B9AA	59F9	3034	CCSF	4804	1E4A	aY.04KJ		
0x090:	6706	EBCE	96E7	BC53	5C06	AF4B	BB7F	882A	gSK.I		
:0x0x0	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD	m.1#j		
0x0B0:	D3DF	523A	5D06	23AF	4F3C	7880	7BAF	Adjust in	e ocioneter	er i regen	
0x0C0:	6109	D615	B9AA	59F9	3034	CC8F	4804				
0x0D0:	6706	EBCE	96E7	BCS3	5C06	AF4B	BB7F	Pleas	e enter the adjusting n *		
0x0E0:	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	lann.	in KM		
OxOF0:	D3DF	523A	5D06	23AF	4F3C	7880	7BAF	11234	SI CAR		
0x100:	F959	AAB9	15D6	0961	F959	AAB9	15D6	-	1 Miledi	oge	
Ox110:	6A46	E279	7402	D848	6A46	E279	7402	~	OK X Cancel		
0x120:	53BC	E796	CEEB	0667	53BC	E796	CEEB				
0x130:	2888	7FBB	4BAF	065C	2888	7FBB	4BAF	065C	*.I.K		
0x140:	6109	D615	B9AA	59F9	3034	CCSF	4804	1E4A	aY.04KJ		
Ox150:	6706	EBCE	96E7	BC53	5C06	AF4B	BB7F	882A	gSK.I.*		
Ox160:	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	DADD	m.1#j		
0x170:	D3DF	523A	5D06	23AF	4F3C	7880	7BAF	A302	R:].#.0 <x.{< td=""><td></td><td></td></x.{<>		
0x180;	6109	D615	<b>B9AA</b>	59F9	3034	CCBF	4804	1E4A	aY.04KJ		
0x190:	6706	EBCE	96E7	BC53	5C06	AF4B	BB7F	882A	gS\K.I		
0x1A0:	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD	m.1#j		
Ox1B0:	D3DF	523A	5D06	23AF	4F3C	7880	7BAF	A3D2	R:].#.0 <z.(< td=""><td></td><td></td></z.(<>		
0x1C0:	6109	D615	B9AA	59F9	3034	CCSF	4804	1E4A	aY.04KJ		
0x1D0:	6706	EBCE	96E7	BC53	5C06	AF4B	BB7F	882A	gS\K.I.*		
Ox1E0:	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	GADD	m.1#j		
0x1F0:	D3DF	523A	SD06	23AF	4F3C	7880	7BAF	A3D2	R:].#.0 <x.{< td=""><td></td><td></td></x.{<>		
Anto mana'	Develop	date 1	-			ce 18-6	RAPDI PO	0000088	Software Version 1.00 Promo	and the second	

3 Quit after successful adjustment prompt, removed the welding line and then clean the circuit board. Load odometer back to car.

Vanihua Auto Master Si	eries									110000
💋 Redify data	3 s	ave date		Read a	lesge	¢۵+	erane da	n 🔀 Brit		
0x000: 7EFE 1	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	Par 100 Par 100 Par 100 Par		
0x010: 7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	AN AN AN AN AN AN AN AN		
0x020: 53BC H	E796	CEEB	0667	53BC	E796	CEEB	0667	SgSg		
0x030: 2A88	7FBB	4BAF	065C	2A88	7FBB	4BAF	065C	•.I.K		
0x040: 6109 1	D615	B9AA	59F9	3034	CCSF	4804	1E4A	aY.04KJ		
0x050: 6706 I	EBCE	96E7	BCS3	5C06	AF4B	BB7F	882A	gS\K.I.*		
Ox060: E787 (	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD	m.1#j		
0x070: D3DF 9	523A	5D06	23AF	4F3C	7880	7BAF	A3D2	R:].#.0 <x.{< td=""><td></td><td></td></x.{<>		
0x080: 6109 1	D615	B9AA	59F9	3034	CCBF	4804	1E4A	aY.04KJ		
0x090: 6706 3	EBCE	96E7	BC53	5C06	AF- Ca	r Key Mac	ster promp	ts you		
0x0A0: E787	6DD7	6C23	DSFO	07FE	18			11000		
OxOBO: D3DF 9	523A	5D06	23AF	4F3C	78					
0x0C0: 6109 1	D615	B9AA	59F9	3034	cci					
0x0D0: 6706 1	EBCE	96E7	BC53	5C06	AF	1	2000	2012/01/02/02/02/02		
OxOEO: E787 8	6DD7	6C23	DSFO	07FE	18	<b>.</b>	Succes	stully adjust mileage		
OxOFO: D3DF	523A	5006	ZJAF	4F3C	7B					
0x100: F959 /	AAB9	1506	0961	F959	AA					
0x110: 6A46 1	E279	7402	D848	6446	E2					
UX120: 538C 1	£/9b	CEEB	0667	53BC	E/					
0x130: 2A88	/FBB	4BAP	0650	2488	12			✓ DK		
0x1401 6109 1	POID	DSAR	235.3	3034	AFAP	0075	00.73			
0:160: 5705	6DD7	6023	DEFO	0722	1013	DECA	0300	9		
0x170: D20F 4	6228	5006	2335	48.90	7000	TRAF	3302	D-1 # 0/~ (		
0x180: 6109 1	0615	ROAA	SOFO	3034	CCBE	4804	1844	A V 04 K T		
0x190: 6706 B	FBCE	96E7	BC53	5006	AF4B	BB7F	882A	d		
0x1A0: E787	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD			
Ox1BO: D3DF	523A	5D06	23AF	4F3C	7880	7BAF	A3D2	R:1.#.0(x.(		
0x1C0: 6109 1	0615	BRAA	59F9	3034	CC8F	4B04	1E4A	aY.04K.J		
0x1D0: 6706 1	EBCE	96E7	BC53	5006	AF4B	BB7F	882A	gS\K.I		
Ox1E0: E787	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD	m.1#j		
Ox1F0: D3DF 5	523A	5D06	23AF	4F3C	7880	7BAF	A3D2	R:].#.0 <z.{< td=""><td></td><td></td></z.{<>		
Auto name Chrysler	Auto ty	pr Car	diam'r.	int Devi	ce 13:60	2B4FD1B0	2200000	Software Version 1.00 Tropped	info # Program in running in local operation mode	



#### (5) Modify data

If no need to modify the inner data of the chip after successful adjustment, please take the chip back odometer to finish the operation, or you can skip this step.

 $(\ensuremath{\mathbb 1}$  Click "modify data", the data of memory data area will change into editable state, modify the data by cursor directly.

YarHus Aut	o Masteri	Series							
📝 qui t	the and	lificiti	n 🖷	Inde	-	opy date	10	Parts d	ata 🚰 Fall data
0x000:	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	<sup>1</sup>
0x010:	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	······································
0x020:	53BC	E796	CEEB	0667	538C	E796	CEEB	0667	SgSg
0x030:	2A88	7FBB	4BAF	065C	2A88	7FBB	4BAF	065C	•.I.K
0:040:	6109	D615	B9AA	59F9	3034	CCBF	4B04	1E4A	aY.04KJ
0x050:	6706	EBCE	96E7	BC53	5006	AF4B	BB7F	882A	gSK.I
0x060:	E787	6DD7	6C23	D5F0	07FE	1813	DE6A	OADD	m.1#j
0x070:	D3DF	523A	5006	23AF	4F3C	7880	7BAF	A3D2	R:].#.0 <z.{< td=""></z.{<>
0x080:	6109	D615	B9AA	59F9	3034	CC8F	4B04	1E4A	aY.04KJ
0x090:	6706	EBCE	96E7	BC53	5C06	AF4B	BB7F	882A	gSNK.I.*
:0A0x0	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	DADD	m.1#j
0x0B0:	D3DF	523A	5006	23AF	4F3C	7880	7BAF	A3D2	R:].#.0 <x.{< td=""></x.{<>
0x0C0:	6109	D615	<b>B</b> 9AA	59F9	3034	CC8F	4804	1E4A	aY.04KJ
orono:	6706	EBCE	96E7	BC53	5006	AF4B	BB7F	882A	gShK.I.*
:01010	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD	m.1#j
OrOFO:	D3DF	523A	5006	23AF	4F3C	7880	7BAF	A3D2	R:].#.0 <x.(< td=""></x.(<>
0x100:	F959	AAB9	15D6	0961	F959	AAB9	15D6	0961	.Ya.Ya
0x110:	6A46	E279	7402	D84B	6A46	E279	7402	D84B	jF.ytKjF.ytK
0x120:	53BC	E796	CEEB	D667	53BC	E796	CEEB	0667	SgSg
0x130:	2A88	7FBB	4BAF	065C	2A88	7FBB	4BAF	065C	•.1.K
0x140:	6109	D615	B9AA	59F9	3034	CC8F	4B04	1E4A	aY.04KJ
Ox150:	6706	EBCE	96E7	BC53	5006	AF4B	BB7F	882A	gSNK.I.*
Ox160:	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD	m.1#j
0x170:	D3DF	523A	5006	23AF	4F3C	7880	7BAF	A3D2	R:].#.O(z.{
0x180:	6109	D615	<b>B9AA</b>	59F9	3034	CCBF	4B04	1E4A	aY.04KJ
0x190:	6706	EBCE	96E7	BC53	5C06	AF4B	BB7F	882A	gSNK.I.*
0x1A0:	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD	m.l#j
Ox1B0:	D3DF	523A	5006	23AF	4F3C	7880	7BAF	A3D2	R:].#.O <x.{< td=""></x.{<>
OxICO:	6109	D615	<b>B9AA</b>	59F9	3034	CCBF	4B04	1E4A	aY.04KJ
0x1D0:	6706	EBCE	96E7	BC53	5006	AF4B	BB7F	882A	gS\K.I.*
0x1E0:	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD	m.l#j
0x1F0:	D3DF	523A	SD06	23AF	4F3C	7880	7BAF	A3D2	R:].#.0 <x.{< td=""></x.{<>
Auto nane!	Chrysler	Auto t	974 C	-	Jevi	ce ID:65	BAFDIED	0000022	Software Version 1.00 Program info: # Program is running in local operation mode .

Button	Instruction
Modify data	Click the button, the memory data area will change into editable
woully uata	state.
Save data	Click the button to select the storage path and enter a file name to
Save uala	save the data of current memory data area.
Send the data	Save the content of memory data area to a file, and send it to
back to factory	factory by email.
Adjust the	Input the mileage for adjustment
mileage	
Restore the	Open a known original data file of mileage and write it into the
original data	device.
Quit from the	Click the button means close the memory data area, and quit to
memory data	the select information of browser window, reselect device or other
area	function.
<u>Note: Cl</u> ick "	memory data operation" of the top of this form, it will show a

sub-menu. Please refer to page 13 menu command instruction.



#### **4. IMMO**

Main functions: Quit read the IMMO code (Also known as the matching key code usually must be obtained from car manufacturers). Steps are as follows:



(1) Click the "IMMO system" on the home page, select the IMMO-owned cars. Take an example as: Volkswagen Audi.

YanHua Auto Master Series				×
	jital Master -	Homepage Back Remote ser	vice Shopping cart Directions E	
	➡ IMMO code read	er is applicable for the follo	wing car models: (See the Help	) KBack
Audio Decoding	Audi	Citroen	Peugeot	
Meter system				
🧳 іммо				
Airbag resetting				
ECU				
Management				



(2) Select the car model series of IMMO, as click New Passat.

YanHua Auto Master Series		
🚧 Auto Dic	ital Master	
TECH	DM-300A	- 0.0
	ł	Iomepage Back Remote service Shopping cart Directions Exit
	Diagnostic port read code	
M Programmer	AUDI A6/V6	BORA-5A5B
	AUDI A6/C5 D03	BORA-6A6B
Audio Decoding	AUDI A6/C5 D04-D09	BORA V1
Meter system	AUDI A6 V1	AUDI A4 V1
A. 3	Age superman	Gol
🧳 іммо	PASSAT B4	Golf
	PASSAT B5 V1	Skoda
Airbag resetting	PASSAT B5 V2	POLO V1
ECU	PASSAT 1.8T	POLO V2
	Touareg	New Passat
Management		
	D : 10 (05 (50)	

(3) Remove chip

① It will show the chip model of IMMO device after selecting the car model.

2 find the chip (as 93C86) on the odometer PCB by the instruction, remember that direction then removed it, solder on adapter.

③ plug the adapter to the 25 pin socket of the SMDSIII. Click "Local operation" on the upper right corner's dialog box, it will read the device immediately data.

YanHua Auto Master Series	×
Auto Digital Master	Car key master reminds you
ADM-300A Homepage Back Remote service	master and adapters, and plugged the device!
WWAudi PASSAT 1.8T scope of readable bar code:	Local operation X Back Permote operation
Programmer 3BD920848D	
3BD920806G	
Audio Decoding Device type: 93C86	
Meter system	
🧼 іммо	
Airbag resetting	
ECU ECU	
Management	
Auto name: Audi Auto type: Passat B6 Barcode: 38D921 Device ID: 62F4532200000050 Software Version: 1.00 Program	n info:A111000100 Program is running in local operation mode .



(4) Acquire the code

Click "Local operation", read the IMMO code automatically, it will show windows as follows:

YanHua Au	to Master :	Series								
🥢 Moo	dify data	💾 s	ave data	- 53	Read th	ie anti-th	neft code	$\times$	Exit	
0000-	0000	1020	0000	0000	0000	0000	0000	0000		
0x000:	0002	1020	0000	0000	0000	0000	0000	0000	• • • • • • • • • • • • • • • • • • • •	
0x010:	2120	2120	2020	0000	4640	4020	2020	4141	10100072577.00033	
0x020:	0102	3130	3938	3/32	4049	4030	3030	9191	101090/201LUUUAA	
0x030:	4142	0202	2120	2920	3032	4649	40.30	4020	IUIU9002FILUUU XD 101102505TF0	
0x040:	9090	1112	0202	2121	3032	3339	2202	4030	ADIUIIU239FILU	
0*060:	5030	4142	0302	ACC4	R004	R004	JJCZ FFFF	rrrr rrrr	UUAD	
0x000.	8000	BCES	FROF	176F	FFFF F2F8	FFFF	FFFF	FFFF	Gn	
0×070.	FFFF	FFFF	FFFF	FFFF	FFFF	FEF		TTTT		
0⊻000.	7338	4307	1030	B891	1007	010	ar Key Ma	ister prom	pts you	×
0⊼090. N∀N∆N•	FFFF	7007	FFFF	FFFF	FFFF	111				
OvORO.	9040	8BB6	DOGE	73FF	9040	SBB				
0,000.	9040	8BB6	DOOF	73FF	1111	110				
0x0D0:	4400	0200	1010	1001	14FF	FEO				
OxOEO:	5657	5A37	5A30	4736	3034	363	(i)	The a	inti-theft code is:1948	
OxOFO:	5A37	5A30	4736	3034	3630	313	-4-			
0x100:	5A30	4736	3034	3630	3137	900				
0x110:	4053	5644	4032	3946	3537	323				
0x120:	31FF	5858	5858	5858	5858	585				
0x130:	5858	58CE	95F2	2060	E3FA	5AF				
0x140:	5BFF	5BFF	5BFF	5BFF	SBFF	000			🗸 ОК	
Ox150:	0000	0000	0000	0000	0000	334				
Ox160:	3834	3844	2020	4235	5630	31FF	0800	4E00	848D B5V01N.	
0x170:	364E	3039	3039	3930	3120	192A	FFFF	FFFF	6N0909901 .*	
0x180:	1101	5505	0301	1764	8009	DC05	DC05	0000	Ud	
Ox190:	2703	5610	DA16	8307	0600	OAOA	OAOE	0A10	'.V	
0x1A0:	0000	0000	0000	0000	0000	FFOF	010F	6D01	¤.¤m.	
Ox1BO:	1E14	C201	03FF	1304	007E	1500	0001	0A50	.¶P	
Ox1CO:	080A	0F32	1814	19FF	021E	DA02	010F	6D01	¤2.¶¤m.	
Ox1DO:	0601	FBFE	FF00	0200	0000	2410	07FF	FFFF	\$\$	
Ox1EO:	FFFF	FFFF	0000	0000	0000	FF43	420A	0328	СВ(	
Ox1FO:	6393	FFFF	FFFF	FFFF	FFFF	0000	577A	3F00	cWz?.	

Button	Instruction
Modify data	The area of memory data can be modify when click this button.
Save data	Click this button and input the path and filename to save the current data in the memory data area.
Send data to factory	Save the data as a file and send to factory by email.
Read IMMO code	Read the IMMO code of IMMO device which connect to the SMDSIII, and shows.
Exit memory data area	Click it means close the memory data area and back to the selected info browser window, then you can select other device or function.

Note: Click "memory data operation" of the top of this form, it will show a sub-menu. Please

refer to page 13 menu command instruction.



#### (5) Modify data

If no need to modify the inner data of the chip after successful reading code, please take the chip back IMMO to finish the operation or you can skip this step.

① Transfer it out of memory data area after reading password

② Click "modify data", the data of memory data area will change into editable state, as the picture (The detail please looks at Page 12, 1.(3) Modify data).

YanHua	a Auto Ma	laster S	eries								-
Ø	Quit the	e modif	ication	4	Jndo	Co	py data	Ē B	°aste data	ata 🗰 Fill data	
0x00	0: 00	002	1020	0000	0000	0000	0000	0000	0000		^
0x01	0: 00	000	0000	0000	0000	0000	0000	0000	OOFF		3
0x02	0: 3	130	3130	3938	3732	4649	4C30	3030	4141	10109872FIL000AA	
0x03	0: 0	102	3130	3130	3938	3832	4649	4C30	3030	10109882FIL000	
0x04	0:4	142	0202	3130	3131	3032	3539	4649	4C30	AB10110259FIL0	
0x05	0: 30	030	4142	0302	A684	A684	A684	33C2	FFFF	00AB3	
0x06	0: FI	FFF	FFFF	0080	FFFF	FFFF	FFFF	FFFF	FFFF		
0x07	0: 80	cco :	BCF8	E3CF	476E	E2F8	FEF5	FFFF	FFFF	Gn	
0x08	0: FI	FFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF		
0x09	0: 7:	33F	4307	1030	B891	1D07	010A	FFFF	FFFF	s?C0	
OxOA	.0: FI	FFF .	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF		
UXUB	0: 90	UAU	8886	DU9F	73FF	90A0	8886	DU9F	73FF	SS.	
UXUC	0: 90	UAU	8886	DU9F	7355	1111	1106	0606	1605	S	
UXUD	U: 4·	400	0200	1010	1001	14FF	FFUU	FFFF	FFFF		
UXUE	0: 5	b57	5A37	5A30	4/36	3034	3630	3137	565/	VWZ/ZUG6046017/VW	
UXUF	0: 5/	A37	5A3U 4736	4/36	3034	3630	3137	5657	5A3/	2/2UG6U46U1/VW2/ 7000046017	
UX 10 0 1 1	0: 5/	ASU dea	4/36	3034	3630	3137	9007	9007	9007		
0x11	0: 40	188	5644	4032	5946	3537	5234	3539	3833	1 30000000000000	
UX 12	0: 3	177	5858 Fode	5656	2020	5050	5656	5050	5050		
0x13 0vr14	0. 5	000	DOCE EDEE	9012	2060	EDFE	DOOO	DO40	1200		
0.4	0. 0	000	JDFF	ODDFF ODDO	JDFF	0000	2242	4420	2220	[.[.[.[.[	
0x15 0++16	0: 0	000	2011	2020	4225	5620	2342	4439	3230		
0x10	0. 30	64F	2034	2020	3030	3120	1928	FFFF	4000	040D D3V01N. 6ND0D0011 ¥	
0.19	0. 1	101	5505	0301	1764	9000	DCOS	DCOS	0000	U d	
0210	0. 1	703	5610	DA16	8307	0600	0203	DCOD	0000	' W	
0×13	n · n	000	0010	0000	0000	0000	FFOF	010E	6001	. <sup>у</sup> ц д <sub>т</sub>	
$0 \times 1 B$	0. 11	F14	C201	OBEE	1304	0075	1500	0001	0251	¶ ~% P	
0 10	n. n	804	OF32	1814	1955	021E	DA02	0105	6D01	¤2 ¶ ¤m	
0x1D	n: n	601	FBFE	FFOO	0200	0000	2410	0755	FFFF	··· _····	
0x1F	0: FI	FFF	FFFF	0000	0000	0000	FF43	420A	0328	······CB(	
Ox1F	0: 6	393	FFFF	FFFF	FFFF	FFFF	0000	577A	3F00	c	

#### 5. Airbag Resetting

Main function: After the airbag exploded, the ECU will store the fault record to the memory chip of circuit board, it's no need to change the circuit board by writing the unexploded data if the airbag ECU is not damaged. Operation steps as follows:

Airbag ECU	Select car serie (such Honda)	•	Select car model (such as Age Superman)	•	Remove the chip from airbag ECU	•	Update airbag data	•	Install the chip back to airbag ECU
			Confirm whether the device support the airbag ECU (to see whether this model is in the meter)		1.Software will show the a 2.According to the shown circuit board, remember SMDS adapter.	airb n chi er wi	bag used chip type after ip type,find the chip on here it is and remove it,	sel the inst	ect the model. airbag ECU all it into the



(1) Click the "Airbag ECU Data" on the home page, and select the model from airbag, as click Toyota.

🔛 Auto Dig	jital Master 🚽		-	FEO.	
A	DM-300A		A Chopping and Direct	ione Exit	1 60
	⇔Please select car serie	es: (See the Help)	Back		
Programmer	Audi	Chrysler	Citroen		
Audio Decoding	FIAT	Ford	GM	Honda	
	Hyundai	KIA	Mazda	Mitsubishi	
Meter system	Nissan	Opel	Peugeot	Renault	
🧳 іммо	Rover	SSangYong	Subaru	SUZUKI	
Airbag resetting	Toyota	Volkswagen			
ECU				k}	
Management					

(2) Select the car model series of airbag, as select Toyota 89170-06340 RA66.

	ADM-300A	Homepage Back Re	emote service. Shopping car	t Directions Exit
and the second	Please select airba	g models:		
Programmer	89170-02160	89170-0P010	89170-33020	89170-52180 ∨1
	89170-02250	89170-12110	89170-33100	89170-52180 V2
Audio Decoding	89170-02290	89170-12130	89170-33260	89170-52480
	89170-02430	89170-12280	89170-33350	89170-60051
Meter system	89170-05050	89170-12400	89170-42090	89170-60090
2	89170-05120	89170-12410	89170-48080	89170-60110
іммо	89170-06010	89170-13020	89170-50060	89170-60200
-	89170-00080	89170-26220	89170-50120	89170-87202
Airbag resetting	89170-00190	89170-28170	89170-52120	Camry 2002
	89170-0E010	89170-28230	89170-52170	Camry 2002 2.4
ECU	89170-0N010	89170-60130	Camry 89170-06330	89170-33460
	89170-60050	89170-30210	89170-06340	89170-02770



(3) Click "Local Operation" on the upper right corner of dialog box, the device will read the device data immediately.

YarHus Auto Master Series			
		Car key master reminds you	- 100 M
Auto Digital	Master	According to this page shows conner master and adapters, and plugged to	cted car key lie device!
Тоуо	ta series 89170-06340	Local operator	Renote operation
Programmer Devic	e Modet RA66		
Audio Decoding			
( Meter system			
🦨 іммо			
Airbag resetting			
ECU			
Management			
半田 09170-06340	Device ID-6294F51E000000EE Software Version 1	.00 Program info: / Program is running in local operat	ten mode .

(4) The device will save the data of chip automatically, and point to load the airbag data, select the corresponding data to write in the chip.

Tarres Au	to Manual or	Series								
The Real	fy data	16	Same dat	• 18	Update	sirbsg	data	in the		
0x000:	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	E *.*.*.*.*.*.*.	
0x010:	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	7EFE	E * * * * * * * * * *	
0x020:	53BC	E796	CEEB	0667	53BC	E796	CEEB	0667	7 SgSg	
0x030:	2A88	7FBB	4BAF	065C	2A88	7FBB	4BAF	065C	C .I.K	
0x040:	6109	D615	B9AA	59F9	3034	CCSF	4804	1E4A	A aY.04KJ	
0x050:	6706	EBCE	96E7	BC53	5006	AF4B	BB7F	882A	A gSK.I	
0x060:	E787	6DD7	6C23	D5F0	07FE	1813	DE6A	OADD	Dm.1#j	
0x070:	D3DF	523A	5006	23AF	4F3C	7880	7BAF	A3D2	2R:].#.O <z.(< td=""><td></td></z.(<>	
0x080:	6109	D615	<b>B9AA</b>	59F9	3034	CCSF	4804	1E4A	A aY.04KJ	
0x090:	6706	EBCE	96E7	BC53	5006	encode a	-	1000	ter and the state of the state	
0x0A0:	E787	6DD7	6C23	D5F0	07FE	C ICCLA				
0x0B0:	D3DF	523A	5006	23AF	4F3C	cutte	selec	ted file f	e for update:	
OxOCO:	6109	D615	<b>B</b> 9AA	59F9	3034	1000-0	9170-0	1340-BA	BAGE-OK YHE A	
OxODO:	6706	EBCE	96E7	BC53	5006	1			<pre>// red</pre>	
:030x0	E787	6DD7	6C23	DSFO	07FE					
0x0F0:	DBDF	523A	5006	23AF	4F3C				X Cancel	
0x100:	7EFE	7EFE	7EFE	7EFE	7EFE				and the second se	
0x110:	7EFE	7EFE	7EFE	7EFE	7EFE				C Reselect	
0x120:	53BC	E796	CEEB	0667	53BC					
0x130:	2A88	7FBB	4BAF	065C	2A88				4	
0x140:	6109	D615	B9AA	59F9	3034					
Ox150:	6706	EBCE	96E7	BC53	5006					
Ox160:	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD	Dm.l#j	
0x170:	D3DF	523A	5006	23AF	4F3C	7880	7BAF	A3D2	2R:].#.O <x.{< td=""><td></td></x.{<>	
0x180:	6109	D615	B9AA	59F9	3034	CCSF	4804	1E4A	A aY.04K.J	
0x190:	6706	EBCE	96E7	BC53	5006	AF4B	BB7F	882A	A gS	
0x1A0:	E787	6DD7	6C23	DSFO	07FE	1813	DE6A	OADD	Dm.1#	
Ux180:	D3DF	523A	5006	ZJAF	4F3C	7880	7BAF	ABDZ	2R:].#.O(X.{	
UXICO:	6109	D615	BAAA	59F9	3034	CCBF	4804	1E4A	A 8Y.04K.J	
UxiD0:	6706	EBCE	96E7	BC53	5006	AP 4B	BB7F	882A	A gSNK.I.*	
OR IEU:	£/87	6007	6023	DSFU	AF3C	1813	TRAP	N3D2	U	
OXIFU:	D3DF	523R	2006	2.5AF	45.30	1980	/BAF	A302	e	
<b>38917</b> 0	-06340				Devi	ce ID:65	3471120	00000EE	EE Software Version:1.00 Program info:# Program is running in local operation mode .	

Button	Instruction
Modify data	The area of memory data can be modify when click this button.
Save data	Click this button and input the path and filename to save the current data in the memory data area.
Send data to factory	Save the data as a file and send to factory by email.
Update airbag data	Open an original airbag data file then write it to the device.
Exit memory data area	Click it means close the memory data area and back to the selected info browser window, then you can select other device or function.

Note: Click "memory data operation" of the top of this form, it will show a sub-menu. Please refer to page 13 menu command instruction.

#### (5) Modify data

If no need to modify the inner data of the chip after successful reading code, please take the chip back airbag computer to finish the operation or you can skip this step.

① Transfer it out of memory data area after writing data into chip.

② Click "modify data", the data of memory data area will change into editable state, as the picture(The detail please looks at Page 12, 1.(3) Modify data).

YarHua Aut	o Masteri	Series								
anit Quit	the and	lificati	m (6	Indo	-	igy date	ľ,	Taxte d	o data 📅 Fill data	
:000x0	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	·····	
0x010:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	18	
0x020:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	۲ <b>۲</b>	
0x030:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	/F	
0x040:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	/F	
0x050:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	۲F	
0x060:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	/F	
0x070:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	F	
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0x090:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	·····	
:0A0x0	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	(F)	
0x0B0:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	E	
0x0C0:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	E	
oxobo:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	(E	
OxOEO:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	(F	
OxOFO:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	(f	
0x100:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	(F	
0x110:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	(F)	
0%120:	FFFF	1111	1111	FFFF	11111	1111	FLLE	11111		
UX130:	1111	FFFF	TTTT .	FFFF	FFFF	FFFF	FFFF	2222	(F	
UX140:	FFFF	5555	1111	FFFF	FFFF	1111	TTTT	2222	· · · · · · · · · · · · · · · · · · ·	
02150:	FFFF	FFFF	PPPP	PPPP	PPPP	PPPP	FFFF	FFFF	70 · · · · · · · · · · · · · · · · · · ·	
0x100:	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	PPPP	FFFF	· · · · · · · · · · · · · · · · · · ·	
0-100-	PPPP	PPPP	PEPP	PPPP		PPPP	PPPP	0000		
0x100;	FFFF	erer vere	FFFF	TTTT	TTTT	PPPP	FFFF	eere.		
0x150:	FFFF	FFFF	FFFF	FFFF	FFFF	FEFF	FFFF	FFFF		
0+180.	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF		
0+100.	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	······································	
0+100	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	79	
OviE0.	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	78	
0x1F0:	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	FFFF	F	
89170	-06340				Devi	re ID:65	BAFDIE	0000022	EE Software Version 1.00 Program info # Program is running in local operation mode.	



#### 6. Auto Computer Control Unit

Function: Repair vehicle ECU data. Following types of faults may be cause by ECU data, and this function will solve the problem. The faults as: Engine jitter, idle instability, lack of starting power, black smoke and so on.

The operation steps as follows:

Variety a dotto Manter Series

(1) Enter "vehicle ECU" module

Homepa	ge Back Remote service sho	oping cart Directions Exit	
Please select the ECU ty	pe: State		
ECU			
Engineering truck			
3evice 13-6254701200000	XEE Software Version:1.00 Progr	en info:P Program is running in	in local operation ande
Bavice 13:6284701200000 gital Master	Wit Software Version:1.00 Progr ge Back Remote service Shop	ee info:) freque is muning in	in local operation ande
Sevice 12-6254701200000 gital Master ADM-300A Homepaj Please select the ECU mode	EE Software Version: 1.00 Progr ge Back Remote service Shop	er info://Tregrer is running in	in local operation node
Bavice 13: 6204701200000 gital Master ADM-300A Homepa Please select the ECU mode Passat B4	att Software Version: 1.00 Progr ge Back Remote service Shop els: Ghille	ee info:/ freque is musing in oping cart. Directions Exit	in local operation node
Sevice 12:42N47D1200000 gital Master ADM-300A Homepsi Please select the ECU mode Passat B4 Bora 06A906032EQ	EE Software Version:1.00 Progr ge Back Remote service Shop els: Ghille four cylinder 0261207238	er info: / Trogree is running in oping cart. Directions Exit Wuling Wuling Light	in local operation ande
Dital Master	e Back Remote service Shop bis: Ghille Ghille Ghille Great Wall pickup	ee Infold Prepries in muscling in oping cart. Directions Exit Wuling Wuling Light Alto 360001088	in local operation mode
Sevice 12-62N47D1200000 gital Master ADM-300A Homepai Please select the ECU mode Passat B4 Bora 06A906032E0 Bora 06A906032E GOL 5A0907311A	ge Back Remote service Shop als: Ghille four cylinder Ghille four cylinder Ghille four cylinder Ghille four cylinder Ghille four cylinder Changan Star 3600010A12	ee Info: A Prepries 11 Priceting In oping cart: Directions Exit Wuling Wuling Light Alto 3600010B8 Alto three cylinder 3600010B3	in local operation mode
Dital Master Dital Master ADM-300A Please select the ECU mode Passat B4 Bora 06A906032EQ Bora 06A906032EQ Bora 06A906032LE GOL 5X0907311A Jetta 1GD906033	E Software Version:1.00 Progr pe Back Remote service Shop bis: Ghille Ghille Great Wall pickup Great Wall pickup Changan Star 3600010A12 Changan Star 3600010A42	ee Infold Preprier in making in oping cart. Directions. Exit Wuling Wuling Light Alto 3600010B8 Alto three cylinder 3600010B3 Zhongyi DA462-026120675	in local operation ande
Piese select the ECU mode Passat B4 Bora 06A906032EQ Bora 06A906032EQ Bora 06A906033EQ Bora 06A906033EQ Bora 06A906033EQ Bora 06A906033EQ Bora 06A906033EQ Bora 06A906033EQ	State         Software Version: 1:00         Propriet           ge         Back         Remote service         Shop           set         Ghille         Ghille         Ghille           Ghille         Ghille         Great Wall pickup         Great Wall pickup           Changan Star 3600010A12         Changan Star 3600010A9G         Changan Star 3600010A9G	ex Info / Preprint in Privating In opting cart: Directions: Exit Wulling Wulling Light Alto 360001088 Alto three cylinder 360001083 Zhongyi DA462-026120675 Zhongyi DA462-026120675	in local operation ande
Dital Master	E Software Version:1.00 Progr pe Back Remote service Shop els: Ghille Ghille Ghille four cylinder 0261207238 Great Wall pickup Changan Star 3600010A12 Changan Star 3600010A9G Changan Star 3600010D4	e Info & Preprie 11 Puzzlag In pping cart _ Directions _ Exit Wuling Wuling Light Alto 3600010B8 Alto three cylinder 3600010B3 Zhongyt DA4650-1A- 026120666 Chery Marelli	in local operation wode
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Divice 13: 4284701200000 Cital Master ADM-300A Please select the ECU model Passat B4 Bora 06A906032EQ Bora 06A906032EQ Bora 06A906032EC GOL 5X0907311A Jetta 1GD906033 Hongg 488 Superman 330907559A M154-0261208078	Software Version: 1.00 Program     Software Ve	ex Info 2 Prepries 11 Privating In paining cart Directions Exit Wuling Wuling Light Alto 360001088 Alto three cylinder 360001083 Zhongyi DA462-026120675 Zhongyi DA4650-1A- 026120666 Chery Marelli Southeast Delica Xiali 7101	In local operation and
Dital Master Cital Master AOM-300A Please select the ECU model Passat B4 Bora 06A906032EQ Bora 06A906032EQ Bora 06A906033LE GOL 5X0907311A Jetta 1GD906033 Hongg/498 Superman 330907559A M154-0261206622 M154-0261208078 Santana M154-330907311K	State     Software Version: 1.00     Program       ge     Back     Remote service     Shop       pilitie     Ghillie     Ghillie       Ghillie     Ghillie     Ghillie       Ghillie     Ghillie     Ghillie       Ghillie     Ghillie     Ghillie       Ghillie     Ghillie     Ghillie       Great Wall pickup     Ghangan Star 3600010A12       Changan Star 3600010A49G       Changan Star 3600010D4       Futian V1       Futian V2       JinBel Dandian       JinBel Duodian	ek Info / Preprint in Privating in pping cart: Directions: Exit Wuling Wuling Light Atto 3600010B8 Atto three cylinder 3600010B3 Zhongyi DA462-026120675 Zhongyi DA462-026120675 Zhongyi DA462-026120675 Chery Marelli Southeast Delica Xiali 7101 Xinkai SUV	in 2+24 operation &+00+
Sevice 12 (2047)1200000 Cital Master ADM-300A Please select the ECU mode Passat B4 Bora 06A906032EQ Bora 06A906032EQ Bora 06A906032LE GOL 5X0907311A Jetta 1GD906033 Honggi 488 Superman 330907559A M154-0261206622 M154-0261208078 Santana M154-330907311LK Santana M154-330907311L	Software Version:1.00 Progr Descination Version:1.00 Progr Selfer Version:1.00 Progr Selfer Version:1.00 Progr Selfer Version:1.00 Progr Selfer Version:1.00 Progr Selfer Version:1.00 Progr Changan Star Selfer Version:1.00 Progr JinBel Dandian JinBel Duodian Tianye Pickup Dandian	ex Info 2 Preprint in muscling in point control of the provided in Wuling Wuling Light Atto 360001088 Atto three cylinder 360001083 Zhongyi DA462-026120675 Zhongyi DA462-026120675 Zhongyi DA462-026120675 Zhongyi DA462-026120675 Zhongyi DA465Q-1A- 026120666 Chery Marelli Southeast Delica Xiali 7101 Xinkai SUV Zhonghua manual	in local operation and

(2) Take "Hongqi 488" as an example, enter "Hongqi 488", connect the wire as the wiring diagram, and operate by the step from software instruction.

① Click "Next", enter the wiring diagram interface, then click "Local operation" connect the target board to read the data, save the data as the prompt.

YanHua Auto Master Series				The second se
			Car key master reminds you	inini -
Auto Digital N	Master	Back Remote service. St	According to this page shows conner master and adapters, and plugged to	the devicel
ECU H	ongqi 488		Local operation 🛠 Back	Remote operation
Programmer Device	Model: 93C56			
Audio Decoding				
( Meter system				
🧳 іммо				
Airbag resetting				
ECU ECU				
Management				
too los	Device ID-6294991200000022	Software Version 1.00 Pro	ogram info # Program is running in local opera	tron.mede .

② As the picture, select "Next" will write the data from the software to this device; Select "cancel" back to the upper interface; select "Reselect" will show a selection dialog box for other selection.

YanHua Auto Master Series		100
- Redity data 🔜 Save data 🧐 Update	engine FC data 🔀 Init	
VarHan Auto Master Sentes Addity data  Sente data  Quado: FFFF FFFF FFFF FFFF FFFF FFFF FFFF F	engine FC data       East         FFFF FFFF FFFF       FFFF         FFFF FFFF FFFF       FFFF         FFFF FFFF FFFF       FFFF         FFFF FFFF FFFF       FFFF         Cottent selected file for update:       Image: Concel         Image: Concel       Imag	
Devi	ce ID-8294751200000022 Software Version:1.00 Program info:# Program is running in local operation mo	ode .



## 7. Data operation

## 7.1 Fill data

It is used to filling data to memory data. Like write data 52 on all the chips.

Paddau dala	Button	Instruction
Send port:     0000       Stop Port:     07FF       Padding data:     FF	Starting address	Starting address Written to memory data area is the location from which to start writing (hex data).
✓ Fill in X Cancel	End address	End address Written to memory data area is the location from which to start writing (hex data)
	Fill data	The data to be written (hex data)
7.2 Transfer to the target address Transfer the cursor position of memory data area:	Byte data	Click to select the round button on the left of the text, which means the filled data is byte form, its range is (00H FFH)
Transfer toj-	Character data	Click to select the round button on the left of the text, which means the filled data is byte form, its range is (00H FFH)
(1) In the edit box (the default current cursor	Increase progressively	Click to select the square button on the left side of the text, which means the filled data is increased one by filling one unit.
position is assumed to be: 0064), input the address (hex data). (2) "Transfer" button can move the cursor to	Decrease progressively	Click to select the square button on the left side of the text, which means the filled data is decreased one by filling one unit.
input location. Click "Cancel" exit the window.	For example: I the end addres select the byte form, then the dat The first line da	Fill the starting address "00", fill as "0F", the filled data is "00", and data and increase progressively e written position info of memory a area is as follows ta can be shown From the written and end address the filled data is

- 29 -

as follows: 0x00: 0001 0203 0405 0607 0809 0A0B 0C0D 0E0F .....

# **VII** Appendix

## Appendix I : The ways of identifying the pin order

1). If the chip has nick, pin 1 is on the bottom left corner, and the number of Pins in Count-clockwise direction are 1, 2, 3, 4, 5, 6, 7, and 8.

2). If the chip has no nick, but "•", pin 1 is close to "•", and the identification of the others' number is the same as above.

3). If the chip has text only, from the text positive, pin 1 is on the bottom left corner, the identification of the others' number is the same as above.



Chip 93C56 outline diagram

# Appendix II : Chip Disassembling & Soldering

#### 1. Prepare for soldering

1) The choice of iron:

It should be connected with ground safely. When there is no constant temperature soldering iron, the 20W internal heat-type or 25W external heat-type soldering iron can be OK, but ensure that the former should not exceed 25W, and the latter does not exceed 30W. 2) The choice of flux:

Rosin is the best choice. Solder paste will never be allowed to use in soldering. You should change the rosin immediately when it turns to black.

3) The choice of solder wire:

The imported solder wire with low melting point and rosin is the only choice.

#### 2. Chip disassembling

- 1) When unsoldering biserial & straight inserted chip, you can clean out the soldering tin on the pin by disordering gun or disordering wire, please don't draw hard.
- 2) When unsoldering patch or chip, melting more rosin on the two rows of pins, and heat them up until the chip loose completely, then remove it. Please don't pry hard.
- 3) Please do not heat the chip too long, or it will be damaged.



- 4) If there is protection paint on the chip, please heat it up with iron, and scratch gently with a blade or tweezers, then dismantle the chip.
- 5) How to wipe off the protection paint on the circuit board or IC? Before soldering, please heat the layer of protection paint with iron or hot air to 70-80 degrees Celsius, and then peel gently with a word screwdriver.

# 3. Chip Soldering

- 1) Please do not heat the chip too long, or it will be damaged.
- 2) The iron should be wiped with a damp cloth or soaking sponge to keep it clean ,because it won't be easy to disordering tin in a state of high-temperature oxidation for a long time.
- 3) The heat conduction should depend on the tin, and it does no good to soldering by the iron head-to-chip hard.
- 4) Don't move or shake the chip before the soldering solidified.
- 5) When soldering, you had better first solder the diagonally pins to fasten the chip, and then do other pins.

# AppendixIII:

# Instruction of using SMDS to adjust Lexus odometer 300,400

Note: It is a long time to adjust Lexus odometer. So you pay more attention to

heat elimination. In very hot weather you must use fan to cool, or unplug several

sockets. As long as the odometer display does not be affected, any method is OK. Or

else the odometer will be damaged.

Steps of adjusting:

Step 1: Pin 11 of Chip 457C GND.

- Step 2: Connect GND of adapter to GND of odometer. Then connect the adapter speed signal to odometer speed sensor input pin (Lexus 300 is white socket Pin 13, Lexus 400 is orange socket Pin 8.
- Step 3: Connect to odometer power supply according to the instructions to see whether the odometer displays 0. If not, it is Pin 11 doesn't GND, just re-connect GND and then re-connect power supply)



Step 4: Running the SMDS software, and enter the speed signal generator to produce a speed signal, the frequency is 4500 Hz. Always the odometer starts from 0km.
When it displays about 159-161 miles, disconnect Pin 11 of chip 457C and out of GND. At this time the odometer is automatically working, when it gets to the required km, just stop generating the speed signal.

## Note: In normal state, Lexus odometer walks 4000 to 5000 km per hour.





 Orange power socket "8" connect speed sensor
 White power socket "13" "14" connect power negative electrode (Black) and socket "1" connect power positive electrode (Red).

# **Appendix IV: Wiring diagram illustration**

#### 97-98 years, BMW 740,750,528,728 down-lead inspection diagram



**Note:** Before soldering wire, please heat the layer of protection paint with iron, and then peel gently with a word screwdriver.

#### 99-2000 years BMW 728 down-lead inspection diagram





# Appendix V :

#### Table of replacement for acoustic memory chip and odometer

Original chip	Alternative chip	Remark
93C06	93C46	93C06 cannot replace 93C46
9314	93C46	9314 cannot replace 93C46
C46M6	93C46	
DD72	93CS66	DD72 cannot replace 93CS66
DD82	93CS66	DD82 cannot replace 93CS66
S130	93C46	
S220/SL221	93C56	S220 cannot replace 93CS66
S330	93C66	
S530	93C86	
93C56	93C66	93C56 cannot replace 93C66
C56M6	93CS66	C56M6 cannot replace 93CS66

L56R	93C56	
RA57	93C56	
RA66	93C66	
RA86	93C86	
CS56	93CS66	CS56 cannot replace 93CS66
85C72	24C16	85C72 cannot replace 24C16
85C82	24C16	85C82 cannot replace 24C16
24C01	24C16	24C01 cannot replace 24C16
24C02	24C16	24C02 cannot replace 24C16
24C04	24C16	24C04 cannot replace 24C16
24C08	24C16	24C08 cannot replace 24C16
D6253	24C16 (OR 24C01)	D6253 cannot replace 24C16
D6254	24C16 (OR 24C01)	D6254 cannot replace 24C16
PDH001	X2444P (OR	
PDH004	X2444 (OR X24C44)	
X24C01	none	X24C01 and 24C01 cannot be general
ST14771	25020	
68343	25020	
68558	25020	
95P08	95080	
0D080	35080	