Audi A6L 44 Power Steering Online Programming and Online Parametric Configuration

Function description: The 44 power steering system of Audi A6L has a DTC B200049 Faulty Control Module. You can try to perform the online programming and online parametric configuration functions first.

Supported products: Launch PADIII, PADV, PADVII and other comprehensive diagnostic equipment that support programming functions The yellow steering wheel MIL on the instrument panel turns on. (See the following figure.)



Procedure:

1. Save the fault report. The 44 power steering system has a DTC B200049 Faulty Control Module. (See the following figure.)

v. 🛞			≵ ⊖ ▼⊿ 🖥 44%	15:08
Report	1			
		J.	y v	
				•
System fault code				
The following system is abnormal:				
44 Power Steering 1 problem exist				
1.B200049 Faulty Control Module	Active/Stati	ic		
The following systems are OK:				
1.01 Engine Electronics				
2.02 Transmission Electronics				
3.03 Brake Electronics				
4.08 Climate Control Module				
5.10 Parallel Parking 2				
0. IS AlfDag				
8 19 Data Rus OBD Interface				
9.3B Sensor Electronics				
10.53 Parking Brake				
11.55 Headlamp Range Control				
	Choro	Sava	OR code chor	ring
	Share	Save	QR code shar	ing
		ŝ	Ð	

2. Choose [Online Function]. (See the following figure.)

⊥ ♥ (\$)				*	🗢 マ 🖌 🛢 44% 15:08
System and Fund	ction	f	₹ ∕	•• ē	ŀ
AUDI V29.04 >					Ē∃12.38V
System Topology	44 Power Steering			1个	Enter
System List	B200049 Faulty Control Module			Ac	ctive/Static
-,	01 Engine Electronics			Normal	Enter
Full Systems List	02 Transmission Electronics			Normal	Enter
Special Function	03 Brake Electronics			Normal	Enter
Guided Functions	08 Climate Control Module			Normal	Enter
Online Function	10 Parallel Parking 2			Normal	Enter
ADAS Calibration	K 5 Airbag			Normal	Enter
奥迪 A6L 2013 VIN LFV3A24G0D		Report	Compare Results	Diagnostic Plan	Clear DTCs
\bigcirc				ŵ	◆

Figure 2

3. Choose [Online Programming]. (See the following figure.)

<u>国</u> 歩 ()()	≱ ⊖ ⊽⊿ 🖬 44% 15:09
Show Menu	
AUDI V29.04 > Online Function	⊞ 12.38V
	Q Please enter keyword
Online Coding (i)	Online Programming (i)
Online Parametric Configuration (i)	On-Line Matching And Calibration
Fuel Quality Defect Firmware Upgrade	Online Function Enable System (FES)

奥迪 A6L 2013 VIN LFV3A24G0	D						
Q	P	B			ធ៌	Ð	

Figure 3

4. Read the disclaimer carefully and click OK. (See the following figure.)

<u> </u> ↔ ⊛					* •	44% 15:09
Show Menu		A	1	•		F
AUDI V29.04 > Online Function						⊞12.38V
					Q Please e	nter keyword
Online Coding		Online Brogray	mming			
	Online Prog	gramming				
Online Parametric Configuration	Disclaimer:	ak la Undartak	ion Bu	ibration		
Fuel Quality Defect Firmware Upgra	The Individual.		len by	stem (FES)		
	 Not All Vehicle Problems Can Be Resolved By Programming. Please Be Serious In Choosing. This Function Only Provides ECU Refresh. Other Processing Needs To Be Summarized And Solved By Technicians Themselves. Not All ECUs Support Programming. 					
	CANCEL	ок				
奥迪 A6L 2013 VIN LFV3A24G0I						
<i>Q</i> 💌 😃			(1	^	●

Figure 4

5. Confirm that the programming conditions are met. Click OK. (See the following figure.)

■ V. ⑧					* 🗢 👻	44% 15:09
Show Menu		A	Ľ	-		P
AUDI V29.04 > Online Function				-		⊞12.38V
	Online Prog	gramming			QPlease ent	er keyword
Online Coding	Please Confirm The Veh 1. The Vehicle Has Beer	nicle Status: n Connected T	o An			
Online Parametric Configuration	External Power Or The C Support Continuous And For 30 Minutes	External Power Or The On-Board Power Can Support Continuous And Stable Discharging				
Fuel Quality Defect Firmware Upgra	2. Vehicle Voltage Is Ma Above.	aintained At 12	2V Or	stem (FES)		
	 Ignition Switch Is Turn Started). 	ned On (Engin	e Not			
	 All Electronic Consum For Example, A/C. 	ners Are Turne	ed Off,			
	5. It May Be Required To Door Open When Flashi	Keep The Dri ng Some Syst	ver Side ems.			
	6. To Raise Stability And Recommended To Use A	l Flashing Spe A USB Data Ca	ed, It Is able To			
	Connect.					
	CANCEL	ок				
奥迪 A6L 2013 VIN LFV3A24G0D3123456						
Q 🛛 🖳			C			

Figure 5

6. Choose [Automatic Mode]. (See the following figure.)

」 ぐ ⑧	寒 🗢 マ⊿ 🛢 44% 15:09
Show Menu	A 🗹 😶 🖶 🕩
AUDI V29.04 > Online Function > Online Programming	⊞12.38V
	QPlease enter keyword
Automatic Mode	
Manual Mode	
Programming Backup/Restoration	

奥迪 A6L 2013 VIN LFV3A24G0D3						
Q	P			ک	ſ	

7. Choose [44 Power Steering] and click [Click to Program]. (See the following figure.)

	≱ 🗢 🐨 🗖 🛢 44% 15:11
Online Programming	
AUDI V29.04 > Online Function > Online Programming	Ē⊡12.39V
System Name	State
01 Engine Electronics	Click To Program
02 Transmission Electronics	Click To Program
03 Brake Electronics	Click To Program
19 Data Bus OBD Interface	Click To Program
44 Power Steering	Click To Program
53 Parking Brake	Click To Program
55 Headlamp Range Control	Click To Program
奥迪 A6L 2013 VIN LFV3A24G0D	



8. Carefully compare the system information and the optional files. The first optional file is the closest to the system information. (See the following figure.)

四		岩 ⊖ ❤⊿ 🛢 44% 15:11
44 Power Steering	1	
AUDI V29.04 > Online Function > Online Programming		⊞ 12.36V
File Name	Vehicle Brand	Brief Description
4G0909144L0010		System Information
XSWJKFC_FL_4G0909144L_0010_BP.xml	AUDI	Optional File
XSWJKFC_FL_4G0909144L_K010_BP.xml	AUDI	Optional File
XSWJKFC_FL_4G0909144L_L010_BP.xml	AUDI	Optional File
XSWJKFC_FL_4G0909144L_M010_BP.xml	AUDI	Optional File
奥迪 A6L 2013 VIN LFV3A24G0D		

9. Choose the first optional file and click OK.

→ ♥ ⑧			՝ 🗧 💎 ⊿ 🛢 44% 15:11
44 Power Steering	A	Ľ	e ē F
AUDI V29.04 > Online Function > Online Program	mming		⊞12.36V
File Name		Vehicle Brand	Brief Description
4G0909144L0010		System Information	
XSWJKFC_FL_4G0909144L_0010_B	AUDI	Optional File	
XSWJKFC_FL_4G0909144L_K010_E	Select ECU Refresh Fil	e vice File	Optional File
XSWJKFC_FL_4G0909144L_L010_E	As The Programming File: XSWJKFC_FL_4G0909144L_0010_1	Optional File	
XSWJKFC_FL_4G0909144L_M010_	CANCEL		Optional File
奥迪 A6L 2013 VIN LFV3A24G0D			
<i>Q</i>			

Figure 9

$10.\,$ Click OK to download the file. (See the following figure.)

<u>→</u> V· ⑧			* 🔿	💎 📕 44% 15:12
44 Power Steering	A	Z		P
AUDI V29.04 > Online Function > Online Program	nming			💼 12.36V
File Name		Vehicle Brand	Brief Descrip	otion
4G0909144L0010			System Info	ormation
XSWJKFC_FL_4G0909144L_0010_BF	P.xml	AUDI	Optional Fil	e
XSWJKFC_FL_4G0909144L_K010_E	Online Programming	Decord and	Optional Fil	e
XSWJKFC_FL_4G0909144L_L010_E	File Is About: 1.147 MB Do You Want To Download It?	Download	Optional File	
XSWJKFC_FL_4G0909144L_M010_	CANCEL	or	Optional Fil	e
		OK		
奥迪 A6L 2013 VIN LFV3A24G0D3				
<i>Q</i> < <u></u>		C	ណ៍	↑

Figure 10

11. Click [DOWNLOAD]. (See the following figure.)

→ V. (\$)					* 🖻	▼⊿ 🛢 44% 15:12
44 Power Steering		€		•		₽
AUDI V29.04 > Online Function > Online Programmi	ng					⊞ 12.36V
File Name			Vehicle Brand	d	Brief Descr	iption
4G0909144L0010					System Inf	ormation
XSWJKFC_FL_4G0909144L_0010_BP.xn	nl		AUDI		Optional F	ile
XSWJKFC_FL_4G0909144L_K010_E	Notes	;			Optional F	ile
XSWJKFC_FL_4G0909144L_L010_B	This function will need t	o downlo	oad files.		Optional F	ile
XSWJKFC_FL_4G0909144L_M010_I	CANCEL	DOW	NLOAD		Optional F	ile
_						
奥迪 A6L 2013 VIN LFV3A24G0D3						
<i>Q</i> [©] &			[<u>ہ</u>	€

Figure 11

12. The download is successful. Click OK. (See the following figure.)

三 				* 6	👽 🖌 🛢 44% 15:12
44 Power Steering	A	E	•		F
AUDI V29.04 > Online Function > Online Programming					Ê=12.36V
File Name		Vehicle Brand	ł	Brief Descr	ription
4G0909144L0010				System In	formation
XSWJKFC_FL_4G0909144L_0010_BP.xml		AUDI		Optional F	ile
XSWJKFC_FL_4G0909144L_K010_E Note	S			Optional F	ile
XSWJKFC_FL_4G0909144L_L010_B ✓ Downloaded s	successfu	Illy		Optional F	ile
XSWJKFC_FL_4G0909144L_M010_i				Optional F	ile
奥迪 A6L 2013 VIN LFV3A24G01					
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Figure 12

13. Flash is completed. Operate the vehicle according to the prompts. After the operations are completed, click OK. (See the following figure.)

→					* ● ♥◢ ≣ 4	4% 15:12
44 Power Steering	≜	Ľ	•	ē	l li	1 1
AUDI V29.04 > Online Function > Online Programming					<u>+-</u>	12.39V
File Name		Vehicle Brand		Brief D	escription	
4G0909144L0010				Systen	n Informatio	on
XSWJKFC_FL_4G0909144L_0010_BP.xml		AUDI		Option	al File	
XSWJKFC_FL_4G0909144L_K01C Online	programmi	ng		tion	al File	
XSWJKFC_FL_4G0909144L_L010 Please turn off the ignition for about 30 second	nds before re	-opening the ignition s	switch.	tion	al File	
XSWJKFC_FL_4G0909144L_M01				tion	al File	
	ОК					
奥迪 A6L 2013 VIN LFV3A24G0						
Q R				<u>ہ</u>	Ð	

Figure 13

14. After the update, the VW dataset number or ECU data container number changes to "- - -". It is necessary to perform the online parametric configuration function. (See the following figure.)

44 Steering Assistance		fii 1
AUDI V29.04 > Online function > Online programming		1
Feature	Before update	After update
VW/Audi part number:	8K0909144P	8K0909144P
Software version:	0010	0010
Hardware part number:	4G0909144G	4G0909144G
Hardware version:	H36	H36
ASAM/ODX file ID:	EV_RCEPS	EV_RCEPS
ASAM/ODX file version:	009008	009008
VW dataset number of ECU data container number	4GD909852E	
Audi VIN LFV3A24G0D3123456		
<	0	

Figure 14

15. Online programming is successfully performed. Click [Yes]. (See the following figure.)

■ ♡ *						♥ *	🛇 💎 🖬 🔳 89% 14:43
44 Steering Assistance			î		₽ ₫	2	P
AUDI V29.04 > Online function > Onli	ine programming						
Feature		Before update			After update		
VW/Audi part number:		Online pro	gramming			-	
Software version:	Succeeded to perform the	online programming f	unction!				
Hardware part number:						_	
Hardware version:	Yes			Feedback			
ASAM/ODX file ID:		EV_RCEPS			EV_RCEPS		
ASAM/ODX file version:		009008			009008		
VW dataset number of ECU number	J data container	4GD909852E					
Audi VIN LFV3A24G0I							
	\bigtriangledown	0					

Figure 15

16. Click [Yes] to exit. (See the following figure.)

エ 				* 🗢	▼⊿ 🖥 44% 15:13
Online Programming		f	2 🔍		₽
AUDI V29.04 > Online Function > Online Progra	mming				⊞ 12.39V
System Name			State		
01 Engine Electronics			Click To	Program	
02 Transmission Electronics			Click To	Program	
03 Brake Electronics	Online Prog	ramming	Click To	Program	
19 Data Bus OBD Interface	Do You Want To Exit Onli	ne Programming	? Click To	Program	
44 Power Steering		V50	Click To	Program	
53 Parking Brake	NO	YES	Click To	Program	
55 Headlamp Range Control			Click To	Program	
奥迪 A6L 2013 VIN LFV3A24G0D					
Q 🔹 🕓					Ð

Figure 16

17. Choose [Online Parametric Configuration]. (See the following figure.)

	* 🗢 👻 🛋 44% 15:13
Show Menu	
AUDI V29.04 > Online Function	⊞ 12.37V
	Q Please enter keyword
Online Coding (i)	Online Programming (i)
Online Parametric Configuration (i)	On-Line Matching And Calibration
Fuel Quality Defect Firmware Upgrade	Online Function Enable System (FES)

奥迪 A6L 2013 VIN LFV3A24G0I						
0	P			ធ៌	Ð	
		F .	47			

Figure 17

$18. \ \mbox{Read}$ the disclaimer carefully and click OK. (See the following figure.)

▲ V ()()					* •	44% 15:13
Show Menu		A	Z	•		F
AUDI V29.04 > Online Function						⊞12.37V
					Q Please	enter keyword
Online Coding		Online Program	mmina			
	Online Parametri	c Configurati	on			
Online Parametric Configuration Fuel Quality Defect Firmware Upgra	Disclaimer: 1. The Programming Ri The Individual. 2. Not All Vehicle Probl	sk Is Undertak ems Can Be Re	en By esolved	ibration stem (FES)		
	 By Programming. Please Be Serious In Choosing. This Function Only Provides ECU Refresh. Other Processing Needs To Be Summarized And Solved By Technicians Themselves. Not All ECUs Support Programming. 					
	CANCEL	ок				
奥迪 A6L 2013 VIN LFV3A24G01						
Q 💌 😃					<u>^</u>	€

Figure 18

19. Choose [44 Power Steering] and click [Click to Reprogram]. (See the following figure.)

LA V (8)	՝ 🗢 🐨 ⊿ 🛢 44% 15:13
Online Parametric Configuration 🔒 📝	
AUDI V29.04 > Online Function > Online Parametric Configuration	€=12.37V
System Name	State
16 Steering Column Electronics Systems	Click To Reprogram
17 Instrument Cluster	Click To Reprogram
19 Data Bus OBD Interface	Click To Reprogram
3B Sensor Electronics	Click To Reprogram
42 Driver's Door Electronics	Click To Reprogram
44 Power Steering	Click To Reprogram
46 Comfort System Central Control Module	Click To Reprogram
47 Sound System	Click To Reprogram
奥迪 A6L 2013 VIN LFV3A24G0E	
Q R	

Figure 19

20. Carefully compare the system information and the optional files. The first and second optional files are the closest to the system information. (See the following figure.)

_ V (\$)		* 🔿 🔻 📕 43% 15:13
44 Power Steering 🔒 🔂		
AUDI V29.04 > Online Function > Online Parametric Configuration		⊞ 12.38V
File Name	VIN (1,,, 8, 10)	Brief Description
4G0909144L-0010-000000000000000000000000000000	LFV3A24GD	System Information
4G0909144L-0010-00000000000000000003FD-4GD909852E-0020-44 (20220321_11:17:08)	LFV3A24GD	Optional File
4G0909144L-0010-00000000000000000003FD-4GD909852E-0021-44 (20230731_11:11:27)	LFV3A24GD	Optional File
4G0909144L-0010-1DD-4GD909852E-0021-44(20180118_12:10:27)	LFV3A24GD	Optional File
4G0909144L-0010-3FD-4GD909852E-0020-44(20180118_12:10:18)	LFV3A24GD	Optional File
4G0909144L-0010-3FD-4GD909852E-0021-44-(20180118_12:10:17)	LFV3A24GD	Optional File
4G0909144L-0010-3FE-4GD909852E-0021-44(20211217 09:45:19)	LFV3A24GD	Optional File
Obtain The Latest Data		
奥迪 A6L 2013 VIN LFV3A24G0D		
		↑

21. Choose the first optional file and click OK. (See the following figure.)

- 					*	🗢 💎 🖌 着 43% 15:14
44 Power Steering		A		•		P
AUDI V29.04 > Online Function > Online Parame	tric Configuration					⊞12.38V
File Name				VIN (1,,, 8, 10	D) Br	ief Description
4G0909144L-0010-000000000000000000000000000000	000000003FD-4GD909852E-002	20		LFV3A24G	D Sy Info	stem ormation
4G0909144L-0010-000000000000000000000000000000	Select ECU Refr	esh File		LFV3A24G	o Op	tional File
(20220021_11.17.00)	Do You Want To Choose Th	e Follow	ing File			
4G0909144L-0010-0000000000000 (20230731_11:11:27)	As The Programming File: 4G0909144L-0010-00000000000000 000000000000000000			LFV3A24GI	D Op	tional File
4G0909144L-0010-1DD-4GD909852	(20220321_11:17:08) ?	0020 11		LFV3A24GI	D Op	tional File
4G0909144L-0010-3FD-4GD909852	CANCEL	0	к	LFV3A24GE	D Op	tional File
4G0909144L-0010-3FD-4GD909852E	-0021-44-(20180118_12:10:17)		LFV3A24G	O Op	tional File
_4G0909144L-0010-3FE-4GD909852E	-0021-44(20211217 09:45:19)		LFV3A24G	Or Or	tional File
	Obtain The Late	st Data				
奥迪 A6L 2013 VIN LFV3A24G0D						
Q 🖪					ŵ	Ð

Figure 21

22. Flashing the ECU... (See the following figure.)

		≱ 🗢 マ⊿ 🛢 43% 15:14					
44 Power Steering 🔒 🛃		ð þ					
AUDI V29.04 > Online Function > Online Parametric Configuration							
File Name	VIN (1,,, 8, 10)	Brief Description					
4G0909144L-0010-000000000000000000000000000000	LFV3A24GD	System Information					
4G0909144L-0010-000000000000000000000000000000	LFV3A24GD	Optional File					
4G0909144L-0010-000000000000 (20230731_11:11:27) C Refreshing ECU Please Wait. 1/1 Refreshing Subblock Please Wait.	LFV3A24GD	Optional File					
4G0909144L-0010-1DD-4GD909852	LFV3A24GD	Optional File					
4G0909144L-0010-3FD-4GD909852	LFV3A24GD	Optional File					
4G0909144L-0010-3FD-4GD909852E-0021-44(20180118_12:10:17)	LFV3A24GD	Optional File					
4G0909144L-0010-3FE-4GD909852E-0021-44(20211217_09:45:19)	LFV3A24GD	Optional File					
Obtain The Latest Data							
奥迪 A6L 2013 VIN LFV3A24G0D							
		€)					

Figure 22

23. Operate the vehicle according to the prompts. After the operations are completed, click OK. (See the following figure.)

		\$ 🗢 マ⊿ 🛢 43% 15:14
44 Power Steering	•	ē P
AUDI V29.04 > Online Function > Online Parametric Configuration		12.37V
File Name	VIN (1,,, 8, 10)	Brief Description
4G0909144L-0010-000000000000000000000000000000	LFV3A24GD	System Information
4G0909144L-0010-000000000000000000000000000000	· -V3A24GD	Optional File
4G0909144L-0010-00000000000 (20230731_11:11:27) Please turn off the ignition for about 30 seconds before re-opening the ignition switch.	V3A24GD	Optional File
4G0909144L-0010-1DD-4GD9098	V3A24GD	Optional File
4G0909144L-0010-3FD-4GD9098	V3A24GD	Optional File
4G0909144L-0010-3FD-4GD909852E-0021-44-(20180118_12:10:17)	LFV3A24GD	Optional File
4G0909144L-0010-3FE-4GD909852E-0021-44-(20211217 09:45:19)	LFV3A24GD	Optional File
Obtain The Latest Data		
奥迪 A6L 2013 VIN LFV3A24G0D		
		€)

Figure 23

24. After the update, the VW dataset number or ECU data container number changes to 4GD909852E. The VW dataset version number changes to 0020. (See the following figure.)

		Ÿ X 🛇 ▼ 🖬 📕 89% 14:43
44 Steering Assistance		fii 1 F
AUDI V29.04 > Online Function > Online Parametric	c Configuration	
Feature	Before update	After update
VW/Audi part number:	8K0909144P	8K0909144P
Software version:	0010	0010
Hardware part number:	4G0909144G	4G0909144G
Hardware version:	H36	H36
ASAM/ODX file ID:	EV_RCEPS	EV_RCEPS
ASAM/ODX file version:	009008	009008
VW dataset number of ECU data container number		4GD909852E
Audi VIN LFV3A24G0D		
	0	

25. Flashing the parametric configuration file is completed. Click [Yes]. (See the following figure.)

■ V· *					♥ * €	🛇 💎 🖬 📕 89% 14:43	
44 Steering Assistance		Â		F	2	F	
AUDI V29.04 > Online Function > Online Parametric Configuration							
Feature		Before update		After update			
VW/Audi part number:		Okoooo1 44D Online parametri	ic configuration	01/0000144			
Software version:	Parametric configurat	tion file has been reprogram	medi				
Hardware part number:	Parametric configuration file has been reprogrammed!						
Hardware version:	Yes Fe		eedback				
ASAM/ODX file ID:		EV_RCEPS		EV_RCEPS			
ASAM/ODX file version:		009008		009008			
VW dataset number of ECU da number	ata container			4GD909852	2E		
Audi VIN LFV3A24G0D							
	\bigtriangledown	0					

Figure 25

26. Save the fault report. The 44 power steering system has no DTC. (See the following figure.)



27. The yellow steering wheel MIL on the instrument panel turns off. (See the following figure.)



Figure 27

Statement:

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