Mercedes W204 W207 W212 ELV repair with CGDI MB

Have <u>CGDI MB plus ELV repair adapter</u>, you can do Mercedes W204 W207 W212 ELV repair, here step-by-step procedure.

Connect CGDI MB via OBD to detect whether the ELV is normal or not, if it is ok, then it supports OBD repair.

Part 1:

Connect to the Mercedes car via OBD, open CGDI MB software, click on "Read ELV data".

1	ELV Basic Informatic	n		(W204, W207, W212 -
EIS	ELV SerialNumber	Hardware Version	Allow Modify Software Version	Read ELV Data
Read/Write Key	ELV KEY Information	Disabled		Save CGMB ELV Data
	Key 1			Load EIS Data
Compute Password	Key 2 Key 3		ecial key	Sync ELV Data
Generate EE	Key 4		ase password Get	Erase ELV
	Key 5 Key 6			Check ELV
	Key 7		TP cleared Activated	Activate ELV
ELV	Key 8			Repair Simulator

Please connect the clip on the OBD cable to the Kline on the ELV plug.



http://www.obd2shop.co.uk/



ELV basic info and key info are read out successfully.

CGDI-MB			OAS 😎 4	🗢 20 📅 芕 🗉 🗕 🗙
EIS	ELV Basic Informat ELV Hunber BiBiBiBiBi ELV SerialHunber	ion VIN ***YY)ddd fluiu Hardware Version	Allow Modify Software Version	₩204, ₩207, ₩212
Read/Write Key	ELV KEY Informatic	1408 Disabled	SID	Save CGMB ELV Data
Compute Password	Key 1 9A 32 A4 3B F1 Key 2 65 46 F6 8B E1	6F 35 06	Key password Paste	Load EIS Data
Generate EE	Key 3 BE 59 56 09 CB Key 4 BO 16 3D AD C4	D5 AC SC	Special key 22 2C AO 28 OC 2A 33 49 Erase password Get	Sync ELV Data
Auto Computer	Key 5 8F 54 FP 31 37 Key 6 44 CD 93 EC 86	43 F8 08	Initialized Personalized	Check ELV Activate ELV
ELV	Key 8 BC 5A 7C BF 4P	43 23 80	TP cleared 🛛 Activated	Repair Simulator
Read success!				

The ELV is detected ok and you can repair.

CGDI-MB			C	DAS 🌩 4	@ 20	107 Ӧ	= -	×
EIS	ELV Basic Information ELV Number B191918181 ELV SerialNumber	VIN ***YY)ddd ylulu Hardware Version	Allow Modify Software Version		W204, W	1207, W212 ad ELV D	• ata	
Read/Write Key	- ELV KEY Information -	1409 Disabled SSID	70		Save C	CGMB EL\ CGMB EL\	/ Data / Data	
Compute Password	Key 1 94 32 44 38 F1 6F Key 2 85 46 F6 88 E1 CO Key 3 BE 60 56 09 CB 95	BP 7 BELV is OK!	ori Past	e	Lc	oad EIS Da nc ELV Da	ta ata	
Generate EE	Key 4 80 16 30 AD C4 DB Key 5 8F 54 FF 31 37 F5	21 1 18, C 通定	28.0C 2A 33 49 sword Get			Erase ELV Check ELV		
Auto Computer	Key 7 F2 00 47 B2 E2 55 Key 8 8C 5A 7C 8F 4F 43	AA 40 Ini 23 80	tialized 📝 Persona cleared 📝 Activat	lized ed	A Repa	Activate EL	V ulator	
ELV is OK!								

Get the ELV erased password.

CGDI-MB				OAS 👽 4	20 107	Ö =	- ×
EIS	— ELV Basic Informatio ELV Kunber BIBIBIBI ELV SerialHunber DCCCCCCCCCCCCCCC	DN VIN ***YY)ddd ?fifu Hardware Version 1408	Software Vers	odify i on	W204, W207, W Read E Save CGM	1212 -	2
Read/Write Key	- ELV KEY Information Key 1 Key 2 Erase password Key 3 Key 4	n Disabled calculated successfully Can	SSID Benz Monster Erase passw	ord calculated succe	essfully!	SELV Dat IS Data IN Data e LV	
Auto Computer ELV Erase password calculated s	Key S 3F 54 FF 31 37 1 Key 6 44 CD 93 EC 86 4 Key 7 F2 00 47 B2 E2 5 Key 8 8C 5A 7C 3F 4F	F5 IE 4C	Vrat Fl	Per sonalized Activated	Activa Repair	k ELV ite ELV Simulato	

Erase the ELV successfully.

CGDI-MB				OAS 🖤 4	20	107 💆	=	×
EIS	ELV Basic Informat ELV Number 8181818181	ion VIN ***YY)ada yiluju	Allow Mod	ii fy	W204, W2	07, W212 d ELV D	ata	
Read/Write Key	ELV SerialRunber	Hardware Version 1408	Software Versio	n	Save C	GMB EL\	/ Data	
Compute Password	Key 1 9A 32 A4 3B F1 Key 2 85 46 F6 8B E1	6P 2 06 Benz Monster		Paste	Load C Loa	GMB ELV nd EIS Da	/ Data	
Generate EE	Key 3 BE 89 56 09 CB Key 4 E0 16 3D AD C4	D5 C 5 Erase the ELV succe	ess!		Syn	ic ELV Da rase ELV	ita	
Auto Computer	Key 5 8F 54 FF 31 37 Key 6 44 CD 93 EC 66	43 FE 08	BE 90 26 C	Get B r sonalized		heck EL\		
ELV	Key 7 F2 00 47 E2 E2 Key 8 8C 5A 7C 8F 4F	55 AA 40	TP cleared 🛛 🐼 Ac	tivated	Repair	Sim	ulator	
Erase the ELV success!								

Read again and display the related info after being erased.

CGDI-MB			OAS <	▶4 ♥20 📅 🏅 = _ ×
EIS	ELV Basic Informat ELV Number 8181818181 ELV SerislNumber	ion VIN ****YY)ddd ्रीधीध Hardware Version	Allow Modify Software Version	W204, W207, W212 -
Read/Write Key	ELV KEY Information	Disabled	FO.	Save CGMB ELV Data
Compute Password	Key 1 94 32 44 38 F1 Key 2 85 46 96 88 E1	67 35 06 🔽	y password Paste	Load EIS Data
Generate EE	Key 3 BE 69 56 09 CB Key 4 BO 16 3D AD C4	D5 AC 5C Sp D8 21 B1 S	ecial key D2 A1 BD 3F 9D 25 CB ase password Get	Sync ELV Data Erase ELV
Auto Computer	Key 5 87 54 FF 31 37 Key 6 44 CD 93 EC 66	F5 1E 4C	Initialized 🚺 Personalized	Check ELV Activate ELV
ELV	Key 8 80 54 70 87 48	43 23 80	TP cleared 🚺 Activated	Repair Simulator
Read success!				

Part 2: Collect and calculate the IMMO password.

Read out the EIS info.

CGDI-MB			OAS 👳	4 🗢 20 📅 🍯 🗉 🗕 🗙
EIS	EIS Basic Informa SSID 80 SC 27 DS	tion	Arite Allow Modify	Read EIS Data
•	EIS number 2045450908	Mileage	The last key used 1 The penultimate used Unused	Save EIS Data
Read/Write Key	– EIS Key Basic Info	rmationUsed Disabl	ed Key password Copy Paste	Load EIS Data
Compute Password	Key 1 9A 32 A4 3B F1	67 35 06 🗹 🔲	Special key	Write EIS Data
0	Key 3 BE 89 56 09 CB	D5 AC 5C	22 2C AO 28 OC 2A 33 49 Erase password Get	Wipe the EIS
Generate EE	Key 4 BO 18 3D AD C4	DB 21 B1	Enable Password Get	Activate EIS
Auto Computer	Key 6 44 CD 93 EC 86	43 78 98	Initialized Personalized	Disable Enable
18	Key 7 K2 00 47 B2 E2	55 AA 40	TP cleared Activated	Sync W204 ELV
ELV	A 10 OC DA 10 OF 48		Peace 25 FD4	
Read success!				

Enter "Password calculation", choose "Copy key with key" (If all keys lost, choose "Copy key without key").

CGDI-MB		OAS 🌩 4	@ 20	107 ö		×
EIS	Collect Data and Upload the File EIS Type:		Cop	oy key wi oy key wi	th key thout ke	ey.
Read/Write Key	1. Insert the original car key into the EIS 2. Insert key into the COMB device and wait for the collection 3. Insert the car key into the EIS 10s and dial out 4. Insert the key into the EIS 5. When the key into the EIS		Co	ollect I	Data	
Compute Password	5. Unplug the key for 5 seconds and then insert the key into ELS 8. Insert the key into the CGMB device 7. Save the generated files Query the Server and Wait For the Results Key password		Ul	oload 1	Data	
Auto Computer	Operation Tip: 1. Please choose the way to collect the key first, and then click the 'Collect Data' 2. After the collection is completed, click the 'Upload Data' button to upload the co data 3. Click the 'Query Result' button and check the 'Auto Refresh' option, the program w start the automatic query.	button llected ill	Qı	Jery Res	sult	
ELV Welcome to use!		×.		Auto Re	erresn	

Choose "Other keys" as default, click on "Ok".



The collecting process will not be displayed here, just follow the message to do until you get the IMMO password.

CGDI-MB	OAS 🎔 4 💎 20 📅 🏅 = 🗕 🗙
Collect Data and Upload the File	Copy key with key
I.Insert the original car key into the EIS Read/Write Key I.Insert the car key into the CME device and wait for the collection 3.Insert the car key into the EIS 10s and dial out 4.Insert the key into the EIS F. Horber the key into the EIS	Collect Data
Generate EE	Upload Data
Auto Computer	Query Result
ELV Collection closed!	Z Auto Refresh

Copy the key password and paste it to the EIS.

CGDI-MB			OAS 😎 4	🗢 20 📅 🍯 💻 🗙
BIS	EIS Basic Informa SSID 80 SC 27 DS	tion	ite Allow Modify	Read EIS Data
•••	EIS number 2045450908	Mileage	The last key used 1 The penul:imate used Unused	Save EIS Data
Read/Write Key	EIS Key Basic Info	Used Disabled	Key password Copy Paste	Write FIS Data
Compute Password	Key 2 85 46 P6 68 R1	CO 186 07	D2 74 07 FB D5 30 3A FF Special key 22 2C AO 28 0C 2A 33 49	Wipe the EIS
Θ	Key 3 BE 69 56 09 CB	DS AC SC	Erase password Get	Clear TP Protection
Generate IL	Key 5 88 54 PF 31 37	25 1E 4C	Enable Password Get	Activate EIS
Auto Computer	Key 6 44 CD 93 EC 86	43 F8 08	Initialized Personalized	Disable Enable
BLV	Key 8 8C 5A 7C 3F 4F	43 23 30	TP cleared Activated	Sync W204 ELV
Welcome to use!				

Save the EIS data (Please save it into the default folder name)

CGDI-MB			OA	S 🛡 4	20 10	7 苬 🗉	= <u>-</u>	×
FTC	— EIS Basic Informa SSID BO 3C 27 D3	tion — VIN	Write Allow Modify		Read	EIS Data		
	EIS number 2045450908	Mileage	The last key used	ed	Save	EIS Data		
Read/Write Key	EIS Key Basic Info	ormation Used Diseb	Led		Load	l EIS Data		
	Key 1 94 32 41 28 81	et as ne	Key password Copy Paste D2 74 07 FB D6 3C 3A BF		Write	e EIS Data		
Compute Password	Key 2 85 8 Benz Mon	nster 📃	pecial key 2 2C AO 28 OC 2A 33 49		Wip	e the EIS		
Generate EE	Key 4 BO B	Save file successfully!	rase password Get		Clear T	P Protecti	on	
	Key 5 SF 4	備定	nable Password Get		Act	ivate EIS		
Auto Computer	Key 6 44 D		Initialized 🔽 Personal	i zed	Disable	Enat	ole	
	Key 7 92 00 47 82 82	43 23 80	TP cleared 💽 Activate	d	Sync	W204 ELV		
ELV								
Save file successfully!								ſ

Erase password is calculated successfully.

CGDI-MB				OAS 💎 4	👳 20 🚦	.07 🚺	■ -	- ×
	EIS Basic Informa SSID BO 3C 27 D3	tion	te Allow Modi	fy	Rea	d EIS Da	ta	
	EIS number 2045450908	Mileage	The last key used	1 ed Unused	Sav	ve EIS Dat	ta	
Read/Write Key	EIS Key Basic Info	Used Disabled	Key password Copy	Paste	Loa	d EIS Dat	ta	
Compute Password	Key 1 9A Key 2 85 Erase passwo	ord calculated successfully!			Wri	te EIS Da	ta	
e,	Key 3 BB	Cance			Clear	pe the El	tion	
Generate EE	Key 5 8F 54 FF 31 37	Benz Monster		Get		tivate EIS)
Auto Computer	Key 6 44 CD 93 EC 66	Erase password calcu	ated successfully!	rsonalized tivated	Disabl	e En	able	
O ELV	Key 8 SG 5A 7C SF 4F		确定	54	Syn	c W204 E	LV	
Brase password calculated	successfully!							

Click on "Erase EIS", the message says please plug the simulation key into EIS within 30 seconds.

CGDI-MB				OAS 🔮 4	20 107	🍯 = 🗕 ×
	EIS Basic Informa SSID BO 3C 27 D3	ntion	ite Allow Modi	fy	Read El	S Data
DIS	EIS number 2045450908	Mileage	The last key used	l d Unused	Save EIS	Data
O Read/Write Key	EIS Key Basic Info	ormation	-		Load EIS	Data
	Key 1	-			Write EI	S Data
Compute Password	Key 2 85 Please inse Key 3 88	rt the Simulation Key into	the EIS in 30 seconds		Wipe th	ne EIS
Generate EE	Key 4 <mark>BO</mark>		Enable fassword	Get	Clear TP Pr	otection
	Key 5 84 CD 93 EC 86	43-16-08			Activat	e EIS
	Key 7 F2 00 47 B2 B2	55 AA 48	Initialized 🔽 Pe	ersonalized stivated	Disable	Enable
ELV	Key 8 80 54 70 8F 4F	43 23 80	Dealer EIS SF	154	Sync W2	04 ELV
Erasing the EIS						

Real pictures shown as bellow.



Erase the EIS successfully.

CGDI-MB				OAS 💎 4	20 107	Ö =	_ ×
ETC.	EIS Basic Information SSID E0 3C 27 D3	N VIN Write	Allow Mo	dify	Read	EIS Data	
EIS	EIS number 2045450908	Mileage	The last key used The penultimate u	sed Unused	Save	EIS Data	
Read/Write Key	- EIS Key Basic Inform	uation Vsed Disabled	Key password Copy	Paste	Load	EIS Data	
Compute Password	Key 1 9A Key 2 85 Please insert t	he Simulation Key into the	EIS in 30 seconds		Write	EIS Data	
e.	Key 3 BR	Benz Monster	×		Clear TP	Protectio	n
Generate BB	Key 5 88 54 88 31 37 85	Erase the EIS succes	s! rwora	vet	Acti	vate EIS	D
Auto Computer	Key 6 44 CD 93 EC 66 43 Key 7 F2 09 47 B2 E2 55	76 D 确:	È ized 🔽	Personalized	Disable	Enabl	e
O ELV	Key 8 8C 5A 7C 8F 4F 43	23 80	Dealer EIS	FBS4	Sync V	N204 ELV	
Erase the EIS success!							

Again read EIS related info.

CGDI-MB			oas 🎐	4 💎 20 📅 🏅 🗏 🗕 🗙
EIS	EIS Basic Informa SSID R0 3C 27 D3	ition VIN N	rite Allow Modify	Read EIS Data
•••	EIS number 2045450908	Mileage	The last key used Unused The penultimate used Unused	Save EIS Data
Read/Write Key	Key 1 94 32 44 38 FL	Used Disable	d Key password Copy Paste	Write EIS Data
Compute Password	Key 2 85 46 76 88 81	CO BE OT	Special key CC D2 A1 BD 3F 9D 26 CB	Wipe the EIS
Generate EE	Key 4 80 16 30 AD C4	DB 21 B1	Erase password Get	Clear TP Protection
Auto Computer	Key 5 8F 54 FF 31 37 Key 6 44 CD 93 EC 66	F5 12 4C		Activate EIS
100	Key 7 F2 00 47 B2 E2 Key 8 BC 54 7C 8F 4F	55 AA 40 🖸 🔽	TP cleared Activated	Sync W204 ELV
ELV Read success!				

Load the EIS data (saved in the former steps.)

CGDI-MB			OAS 👎 🕯	i 👁 20 📅 🍯 🗉 🗕 🗙
EIS	EIS Basic Informa ssin 80 sc 27 bs	ation	Write Allow Modify	Read EIS Data
Read/Write Key	EIS Key Basic Info	Mileage ormation	The last key used I The penul issate used Unused	Load EIS Data
Compute Password	Key 1 9A 32 A4 3B F1 Key 2 85 48 P6 88 F1	6F 35 06 🗹	Key password Copy Paste D2 74.07 FB D8 SC 3A BF Special key 22 2C AO 26 00 2A 33 49	Write EIS Data Wipe the EIS
Generate E3	Key 3 BE 69 56 09 CH	1 D5 AC 5C	Erase password Get	Clear TP Protection
Auto Computer	Key 5 8F 54 FF 31 37	75 12 4C	Initialized 📝 Personalized	Activate EIS Disable Enable
ELV	Key 8 8C 5A 7C 8F 4F	· 43 23 80	V IP cleared V Activated	Sync W204 ELV
Read success!				

Click on "Write".

CGDI-MB				OAS 🌻 4	👳 20 👖	n 🚺	•	×
RIS	EIS Basic Informa ssid 80 3C 27 03	tion*	rite Allow	Modify	Read	l EIS Da	ta	
•••	EIS number	Mileage	The last key us The penultimate	ed 1 used Unused	Save	e EIS Dat	a	
Read/Write Key	EIS Key Basic Info	rmation Used Disable	1	×	Load	d EIS Dat	a	
Compute Password	Key 2	gestion: Write the VIN first, a	and then write the EIS data!		Wit	e EIS Da	s	
	Key 3 5	etter to continue?	确定 取消		Clear T	P Protec	tion	
	Key 5 Brown at an an				Act	tivate EIS		
Auto Computer	Key 6 44 CD 93 EC 66 Key 7 F2 00 47 B2 E2	43 F8 00	V Initialized V	Personalized Activated	Disable	En	able	
ELV	Key 8 8C 5A 7C 8F 4F	43 23 80	Dealer EIS	FBS4	Sync	W204 E		
Read success!								

Please insert the simulation key into the EIS in 30 seconds.

CGDI-MB				OAS 💎 4	🗢 20	107 Ӧ	-	×
TC TC	EIS Basic Informa ssid 80 sc 27 ds	ation	ite Allow	Modify	Rea	d EIS Da	ta	
	EIS number	Mileage	The last key us The penultimat	sed 1 e used <mark>Unused</mark>	Sav	ve EIS Dat	a	
Read/Write Key	— EIS Key Basic Info	ormation			Loa	ad EIS Dat	a	
	Key 1		Key password	opy Faste	Wri	ite EIS Da	ta	
Compute Password	Key 2 55 Please inse	rt the Simulation Key into	the EIS in 30 seconds	**	W	ipe the EI	s	
e,	Key 3 BE				Clear	TP Protec	tion	
Generate EE	Key 4 BU		Enable fassword	Vet				
	Key 5 81 7 87 81 37	* #5`1# 4E			A	ctivate EIS		
Auto Computer	Key 6 44 CD 93 EC 66	43 28 08	Initialized	Z Per sonali zed	Disabl	e En	able	
100	Key 7 F2 00 47 B2 E2	: 55 AA 4D	TP cleared	Activated				
ELV	Key 8 <mark>80 54 70 8F 4F</mark>	43 23 80	Dealer EIS	FBS 4	Syn	c W204 E		
Writing EIS data								

Operation real pictures.



Write EIS data successfully.

CGDI-MB				OAS 💎 4	@ 20	107 🧿		- ×
	EIS Basic Informa ssid 80 3C 27 D3	tion	ite 🖉 🔊	low Modify	R	ead EIS Da	ata	
EIS	EIS number	Mileage	The last ke	y used 1	S	ave EIS Da	ta	ļ
U Read/Write Key	EIS Key Basic Info	rmation	Key nassword	Conv. Pasta		oad EIS Da	ta	
	Key 1 9A				(M	/rite EIS Da	ita	
	Key 3 DE	t the Simulation Key into Benz Monster	the EIS in 30 secor	ds	Clea	Wipe the E ar TP Prote	IS ction	
	Key 5 88 54 FF 31 37	Write EIS data succe	essi ra swora	.vet		Activate EI	s	
Auto Computer	Key 7 F2 D0 47 B2 E2		TF crared Dealer EIS	Personalized	Disa	ble Er vnc W204 E	hable LV	
ELV Write EIS data success!								

Again read out the EIS data.

CGDI-MB			OAS 🦻	4 🗢 20 🚻 🍑 🖬 🗕 🗙
EIS	EIS Basic Informa SSID BO 3C 27 D3	tion	wite Allow Modify	Read EIS Data
-0	EIS number 2045450908	Mileage	The last key used Unused The penultimate used <mark>Unused</mark>	Save EIS Data
Read/Write Key	EIS Key Basic Info	Vised Disable	d Key password Copy Paste	Write EIS Data
Compute Password	Key 2 55 45 76 88 51	CO BB C7	Special key 22 20 AO 26 OC 2A 33 49 Erase password Get	Wipe the EIS
Generate EE	Key 4 DO 18 3D AD C4 Key 5 BF 54 FF 31 37	DB 21 E1	Enable Password Get	Clear TP Protection Activate EIS
Auto Computer	Key 6 44 CD 93 EC 66	43 79 18 0 0	Initialized Personalized	Disable Enable
ELV	Key 8 80 54 70 8F 4F	43 23 10	Dealer EIS FBS4	Sync W204 ELV
Read success!				

Click on "Synchronize W204 ELV", after it succeeds, insert the key into EIS to active.

CGDI-MB				OAS 👎 4	🗢 20 🛛 🚺	- Ö	- ×
EIS	EIS Basic Informatio SSID 80 3C 27 D3	VIN VIN	rite Allow Mod	17	Read	EIS Data	
Read/Write Key	EIS number 2045450908 — EIS Key Basic Inform	Mileage	The last key used The penultimate use	d Unused	Load E	IS Data IS Data	
	Key 1 94 Benz Monster	Used Disable	d Key password Copy	Paste	Write	EIS Data	
Compute Password	Key 2 3	Success,Please Insert Ke	into EIS for activation!		Wipe Class TB	the EIS	
Generate EE	Key 4		确定		Activ	ate EIS	
Auto Computer	Key 6 44 CD 93 EL 88 43	X8 U8	Thitialized P	ersonalized	Disable	Enable	
ELV	Key 8 80 5A 7C 8F 4F 43	23 80	Dealer EIS	354	Sync W	/204 ELV	J
Sync W204 HLV Success, Ples	ase Insert Key into EIS for	activation					5

Activation succeed, ready to use.



CGDI MB machine plus ELV Repair Adapter for sale: <u>http://www.obd2shop.co.uk/wholesale/cgdi-prog-mb-key-programmer-with-elv-rep</u> <u>air-adapter.html</u>