# 2017 Mercedes-Benz GLS Level Calibration

## Function description: Replace the level sensor

Supported products: Launch PAD 3, PAD 5, PRO5 and other comprehensive

diagnostic equipment

Tested model: 2017 Mercedes-Benz GLS, vehicle VIN code: 4JGDF6EE2GA628\*\*\*\*

The DTCs are as follows:

10:	56 V 🛞 🗭						•	⊖ 4G 🖌 🗋 97%
I	Diagnostic Troub	le Code			<b>î</b>			ŀ
ME	RCEDES-BENZ V50.37 > Automa	atically Search >Suspension(SF	PC166)			<b>†</b>	) b/s 🕹0 b/s	<b>+-</b> 12.73V
	U042700 STORED	Implausible data from the electror lock.	were received nic ignition	C156E00 CURRENT and STORED	Calibi was r	ration of the	e vehicle le led.	evel
	Freeze Frame Data	Stream Help	Code Search	Freeze Frame	Data Stream	Help	Code S	earch

SN:989348326281 Mercedes-Benz GLS 450 AMG VIN 4JGDF6EE2GA6	;4MATIC [美规] 20	16				Report	Clear DTCs
	Ð	ធ៌	G	P	Ø		
	Y						

# **Procedure:**

1. Choose [Special Function] of the air suspension system, as shown in Figure 1.

10:56 V 🛞 🗭	O ⊕ 46 <sup>∞</sup> ■ 97%
Show Menu	
MERCEDES-BENZ V50.37 > Automatically Search >Suspension(SPC166)	🫜 🕇 40 b/s 🕹 22 b/s 🛛 🕂 12.73V
	QPlease enter keyword
Module Information	Read Fault Code
Clear Fault Code	Read Data Stream
Actuation Test	Special Function
Variant Coding	Control Unit Programming
Coding Backup/Reserve	

SN:989348326281						
Mercedes-Benz GLS 450 AM0	- 4MATIC [美规] 20	16				
VIN 4JGDF6EE2GA						
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		ហ	<u>ч</u>		$\mathbb{V}$	
		F	idure 1			
		-				

# 2. Choose [Teach-in Processes], as shown in Figure 2.

10:57 및 🛞 🕲				•	⊖ 4G <b>97%</b>
Show Menu	<b>î</b>	Ź			ŀ
MERCEDES-BENZ V50.37 > Automatically Search >Suspension(SPC166)			🔊 🕇 743 Ь/з	s 🖊 626 b/s	<b>∓−</b> 12.74V
			QPle	ease ente	r keyword
Teach-in Processes					

VIN 4JGDF6EE2GA	美规] 2016						
• -	D	þ	P	L.	$\Diamond$		

Figure 2

3. Choose [Level Calibration], as shown in Figure 3.





4. Turn on the ignition switch and choose OK, as shown in Figure 4.

10:58 步 🛞 🔎						0	⊖ 4G <b>°∕ Ì 96%</b>
Level calibration							F
MERCEDES-BENZ V50.37 > Automatically Search >\$	Level cal	ibration			膏 🕇 160 l	o/s 🕹 98 b/s	<b>+-</b> 12.73V
Name	Level calibration is nece	ssarv under the		Uni	t	Specifie	d value
Heating of the compressor (percent	following preconditions -A level sensor has beer	: replaced.		%		<=50	
Perform the test again.	-The control unit was re -The vehicle was incorre	placed. ectly calibrated.					
The test can be repeated by pressin	Note -Ignition ON -The vehicle must be po alignment system as pe Brief description of calil -The specified level is an necessary. -After the specified leve continue to entry of the -Entry of values stored i	sitioned on a whe or the specification oration: utomatically set, i I has been reache incline angle n inclinometer	eel ns. f d,				
SN:989348326281 Mercedes-Benz GLS 450 AMG 4MATIC [美规	CANCEL 2016	ок					
VIN 4JGDF6EE2GA							
	ά G		)	Ø			

Figure 4

第3页共9页

5. The values are not within the standard value range. Wait for the vehicle to adjust automatically, as shown in Figure 5.

10:59 步 ⑧ စ			•	⊖ 4G 🗹 🗋 96%
Level calibration	<b>A</b>	2 🔍		ŀ
MERCEDES-BENZ V50.37 > Automatically Search >Suspension(SPC166)		🤶 🕇 1.56 kb/s	; 🕹1.18 kb/s	<b>∓−</b> 12.73V
Name	Value	Unit	Specified	d value
Left front vehicle level [mm]	-77		[-40.00	.0]
Right front vehicle level [mm]	-75		[-40.00	.0]
Left rear vehicle level [mm]	-77		[-40.00	.0]
Right rear vehicle level [mm]	-79		[-40.00	.0]
Front axle - The specified values for the incline angle of the front axle are in the range from 4.1 deg to 9.0 deg.				
Rear axle - The specified values for the incline angle of the rear axle are in the range from -1.8 deg to 2.5 deg.				
SN:989348326281 Mercedes-Benz GLS 450 AMG 4MATIC [美规] 2016 VIN 4JGDF6EE2G4				
Figure 5				
בי היא רבי ביי Figure 5				

## 6. Wait until the vehicle levels are within the standard value range, as shown in Figure 6.

11:00 步 (第) @			🕩 🖂 4G🖬 🗎 96%
Level calibration	A I	2 🗠	Ē
MERCEDES-BENZ V50.37 > Automatically Search >Suspension(SPC166)		🛜 🕇 1.45 kb/s	↓1.07 kb/s ∓ 12.73V
Name	Value	Unit	Specified value
Left front vehicle level [mm]	-31		[-40.00.0]
Right front vehicle level [mm]	-29		[-40.00.0]
Left rear vehicle level [mm]	-31		[-40.00.0]
Right rear vehicle level [mm]	-26		[-40.00.0]
Front axle - The specified values for the incline angle of the front axle are in the range from 4.1 deg to 9.0 deg.			
Rear axle - The specified values for the incline angle of the rear axle are in the range from -1.8 deg to 2.5 deg.			
			,
SN:989348326281 Mercedes-Benz GLS 450 AMG 4MATIC [美规] 2016 VIN 4JGDF6EE2GA			
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Figure 6

#### 7. Click [Continue], as shown in Figure 7.

11:00 년 🛞 🔎			🕩 🖂 4G💁 🗋 96%
Level calibration	A I	z 💮	
MERCEDES-BENZ V50.37 > Automatically Search >Suspension(SPC166)		🤶 🕇 1.05 kb	/s 🕹644 b/s 🛛 🕂 🕇 12.73V
Name	Value	Unit	Specified value
The vehicle is already in the required specified range.			
Left front vehicle level [mm]	-31		[-40.00.0]
Right front vehicle level [mm]	-29		[-40.00.0]
Left rear vehicle level [mm]	-31		[-40.00.0]
Right rear vehicle level [mm]	-26		[-40.00.0]
Front axle - The specified values for the incline angle of the front axle are in the range from 4.1 deg to 9.0 deg.			
Rear axle			
Continue			
SN:989348326281 Mercedes-Benz GLS 450 AMG 4MATIC [美规] 2016 VIN 4JGDF6EE2G,			
		7	

Figure 7

## 8. Click [F3], as shown in Figure 8.

11:01 步 ⑧ @	⊕ ⊝ 46≱ 🛽 96%
Level calibration	A 🗹 😳 🖶
MERCEDES-BENZ V50.37 > Automatically Search >Suspension(SPC166)	🤶 🕇 712 b/s 🕇 429 b/s  ∔ 12.74V
Name	Value
F3: Entry of values stored in inclinometer	
1.: Left front incline angle	
2.: Right front incline angle	
3.: Left rear incline angle	
4.: Right rear incline angle	
Note The values may deviate from each other.	
Press button to continue	
F3	
SN:989348326281 Mercedes-Benz GLS 450 AMG 4MATIC [美规] 2016 VIN 4JGDF6EE2G/	
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Figure 8

9. If there is no measuring tool, select the middle value to enter and click OK, as shown in Figure 9.

11:01 상 ⑧ @						0	⊖ 4G 🖌 🗋 96%
Level calibration							P
MERCEDES-BENZ V50.37 > Automatically Search >	Suspension(SPC166)				🤶 🕇 0 b	/s 🕹0 b/s	+- 12.74V
Name		Value					
F3: Entry of values stored in inclinor	neter						
1.: Left front incline angle							
2.: Right front incline angle	Entry of values store	ed in inclinomete	er				
3.: Left rear incline angle	Left front incline angle[4	4.1 deg9.0 deg]					
4.: Right rear incline angle	CANCEL	ОК					
Note The values may deviate from each o	ther.						
Press button to continue							
	F3	8	_				
SN:989348326281 Mercedes-Benz GL <u>S 450 AMG</u> 4MATIC (美永 VIN 4JGDF6EE2G/	观] 2016						
5	ŵ 6			Ø			
	Figure 9						

### 10. Enter the middle value and click OK, as shown in Figure 10.

11:01 竖 ⑧ @						•	⊖ 46 96%
Level calibration							F
MERCEDES-BENZ V50.37 > Automatically Search	h >Suspension(SPC166)				🤶 🕇 O I	b/s 📕 0 b/s	+ 12.74V
Name		Va	lue				
F3: Entry of values stored in inclin	ometer						
1.: Left front incline angle							
2.: Right front incline angle	Brief descrip	tion of calibration	:				
	Right front incline a	ngle[4.1 deg9.0 d	eg]				
3.: Left rear incline angle	6.5						
4.: Right rear incline angle			_				
	CANCEL	ОК					
Note The values may deviate from each	n other.						
Press button to continue							
		50	_	_	_	_	_
		F3					
SN:989348326281 Mercedes-Benz GLS 450 AMG 4MATIC	美规 2016						
VIN 4JGDF6EE2GA	2010						
4		~	5	$\Diamond$			

Figure 10

#### 11. Enter the middle value and click OK, as shown in Figure 11.

11:02 步 ⑧ 🔊					0	⊖ 4G 96%
Level calibration						F
MERCEDES-BENZ V50.37 > Automatically Search >Suspension(SPC166)				<b>†</b>	b/s 📕0 b/s	+- 12.74V
Name	Value					
F3: Entry of values stored in inclinometer						
1.: Left front incline angle						
2.: Right front incline angle Level calibration may only be performed	ormed	on a				
3.: Left rear incline angle Left rear incline angle[-1.8 deg2.5   0.3	5 deg]	_				
4.: Right rear incline angle CANCEL	ок					
Note The values may deviate from each other.						
Press button to continue						
F3						
SN:989348326281 Mercedes-Benz GLS 450 AMG 4MATIC [美规] 2016 VIN 4JGDF6EE2G						
			$\Diamond$			
Figure 11						

# 12. Enter the middle value and click OK, as shown in Figure 12.

11:02 🖖 🛞 🔎						0	⊙ 46 196%
Level calibration							P
MERCEDES-BENZ V50.37 > Automatically Search >	Suspension(SPC166)				<b>()</b>	b/s 🤳0 b/s	+- 12.74V
Name		Value	9				
F3: Entry of values stored in inclino	meter						
1.: Left front incline angle							
2.: Right front incline angle	Level calibration is necessary un	der the	follo				
3.: Left rear incline angle	Right rear incline angle[-1.8 deg	2.5 deg]					
4.: Right rear incline angle	CANCEL	ок					
Note The values may deviate from each o	other.						
Press button to continue							
	F3						
SN:989348326281 Mercedes-Benz GLS <u>450 AMG 4</u> MATIC [美 VIN 4JGDF6EE2GA6	规] 2016						
<del>ر</del>			)	Ø			

Figure 12

#### 13. After confirming that the values are correct, click [Continue], as shown in Figure 13.

11:02 步 ⑧ @	● ⊝ 46 🖬 🕯 96%
Level calibration	n 🗹 😐 🖶
MERCEDES-BENZ V50.37 > Automatically Search >Suspension(SPC166)	🤶 🕇 0 b/s 🦊 0 b/s 👫 12.74V
Name	Value
F3: Entry of values stored in inclinometer	
1.: Left front incline angle	6.5
2.: Right front incline angle	6.5
3.: Left rear incline angle	0.3
4.: Right rear incline angle	0.3
Note The values may deviate from each other.	
Press button to continue	
F3	Continue
SN:989348326281 Mercedes-Benz GLS 450 AMG 4MATIC [美规] 2016 VIN 4JGDF6EE2G/	
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Figure 13	

#### 14. Click OK to exit, as shown in Figure 14.

11:02 상 🛞 🔘					0	⊖ 4G 1 <b>96%</b>	
Level calibration				e			P
MERCEDES-BENZ V50.37 > Automatically Search >Suspension(SPC166)					🤶 🕇 O E	o/s 🕹0 b/s	+- 12.74V
Name		Value	e				
F3: Entry of values stored in inclinometer							
1.: Left front incline angle	Level calib	oration					
2.: Right front incline angle	Level calibration is perfor following values: 1 : Left front incline and	rmed with the					
3.: Left rear incline angle	2.: Right front incline angle	- 1					
4.: Right rear incline angle	4.: Right rear incline angle Press button to continue						
Note The values may deviate from each of	CANCEL	ОК					
Press button to continue							
F3			Со	ntinue			
SN:989348326281 Mercedes-Benz G <u>LS 450 AM</u> G 4MATIC [美规 VIN 4JGDF6EE2G	2016						
¢.	<u>م</u>		5 4	S			

Figure 14

第8页共9页

#### 15. After successful calibration, click OK to exit, as shown in Figure 15.

11:02 V ⑧ Ø						•	⊖ 4G 🎽 🗎 96%
Level calibration							ŀ
MERCEDES-BENZ V50.37 > Automatically Search >S	uspension(SPC166)				🛜 🕇 237 b	/s 🕹 147 b/s	<b>∓−</b> 12.73V
Name		Value	;				
F3: Entry of values stored in inclinor	neter						
1.: Left front incline angle		6.5					
2.: Right front incline angle	Level calibration						
3.: Left rear incline angle	Level calibration was successful.						
4.: Right rear incline angle			_				
Note	ОК						
The values may deviate from each other.							
Press button to continue							
F3		_	С	ontinu	е		
SN:989348326281 Mercedes-Benz GLS 450 AMG 4MATIC [美邦 VIN 4JGDF6EE2G	0] 2016						
5			)	Q			
Figure 15							

#### Statement

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