SUBARU 2021 LEGACY Steering Angle Learning

Tested Model: SUBARU LEGACY 2021

Function Description:

This function is used for SUBARU models in the following situations: After installing, replacing or adjusting the following parts, execute the VDC sensor centering mode:

- 1. Steering angle sensor
- 2. Steering wheel
- 3. Suspension parts
- 4. Wheel aligner
- 5. VDCCM&H/U
- 6. VDCCM&H/U bracket

Execution Conditions:

- Connector connected and ignition switch ON
- Vehicle parked on a level surface and in N gear

Procedure:

1. On a PAD 5, choose [Local Diagnose], and then choose [SUBARU] for testing.

X-431 PAD5 V	7.03.057			* @ % 16:17
2		1	e	$\textcircled{\begin{tabular}{c} \hline \hline$
Intelligent	Diagnose	Local Diagnose	Diagnose New	Service Function
Online Programming	Remote Diagnose	Extension Module	Software Update	Online support
Mall	Information	Business	Used Car	More
		Business		

	European Asian				urchase History
agnostics for EOBD/OBDII	Diagnostics for GENESIS	Diagnostics for GTR (NISSAN)	Diagnostics for	Diagnostics for	Diagnostics for TOYOTA
by LAUNCH	by LAUNCH	by LAUNCH	by LAUNCH	by LAUNCH	by LAUNCF
agnostics for	Diagnostics for	Diagnostics for	Diagnostics for		
SUBARU	NISSAN	HYUNDAI	KIA		
by LAUNCH	by LAUNCH	by LAUNCH	by LAUNCH		

				•	* 🕩 🞽 🖬 16:18
Vehicle Version Information		(f		P
Software ID	Version #				
SUBARU	V26.10				
SUBARU	J V26.10				
Updates					
Abstract:					
Fixed gearbox learning function					
New functions:					
• None					
Optimized functions:					
• None					
Fixed Bugs:					
None					
Optimized Service Functions:					
			Vehicle Cov	erage	ОК
⊘ ⊠ ⊛			ណ៍		•

2. Click [Area Select], and then choose the region to automatically identify the car model. For this test, choose the [North America (US/Canada] region.

				V 4	16:18
Show Menu	f	z∕	<u>Q</u>	Ē	ŀ
SUBARU V26.10 > Menu			🛛 🛜 🕇 423 l	b/s 🛛 🕹 329 b/s	s ⊞12.22V
			C	Rease ent	er keyword
Area Select					
Special Function					
9 PIN SOCKET					

SN:989890002	216				
Q	P			ŝ	

- V					۰	≵ 🕩 🖆 🔳 16:18
Show Menu	3	A	Ź	Q		ŀ
SUBARU V26.10 > Area Select						⊞12.22V
					QPlease er	nter keyword
Japan		North Ame	rica(US/Car	nada)		
Europe		Asia and P	acific			
Middle East		Africa				
Central and South America						

SN:989890002	216					
Q	P			G	Ð	

3. Confirm the vehicle information, and then click [YES].

<u>→</u> Ų,.					•	* 🕩 🕍 🗎 16:18
Vehicle Information		f	Z	<u>Q</u>		ŀ
SUBARU V26.10 > Area Select						⊞12.19V
Title	Comment					
Area	North America(US/Ca	anada)				
Year	2021					
Vehicle	Legacy/Outback					
VIN code	JF2BT9K					
NO				YES		
SN:989890002216 斯巴鲁 Legacy/Outback 2021 VIN JF2BT9KL						
<i>Q</i> 2 3			C		۵	Ð

4. Choose [Legacy].

м ф				×	: 🕩 🖆 🗎 16:32
Show Menu	A	≝ ∕	\bigcirc	mj.	ŀ
SUBARU V26.10 > Area Select > North America(US/Canada)			🛜 🕇 0 b/s	↓ 0 b/s	🖽 12.19V
			QF	Please ent	er keyword
Legacy					
Outback					

SN:989890002216 斯巴鲁 Legacy/Outback 2021 VIN JF2BT9KL			
\bigcirc		ŝ	Ð

5. Click [Brake Control (BC)] to access the system.

					* 🕩	1633
System and F	unction	(♠ 🗹	<u>Q</u>	ē	₽
SUBARU V26.10 > Area Se	lect > North America(US/Can	ada) > Leg				
System Topology	*Support sliding up and do		Brake	Control(BC)		
System List	OBD OBD	RVDR				
Immobiliser	Immobiliser system SMTP	SMTC				
Advanced function	Power system EOBD	EGI				
Customize	Safe system BC	F C				
		AB				
	Entertainment syster TLM	HPM		ENTER		
SN:989890002216 斯巴鲁 Legacy/Outback VIN JF2BT9KL:	2021	Smart Detection	High-speed Scan	System Scan	Select Det	ection
\bigcirc	B			口	Ð	

6. Choose [Special Function].

π. ά.	* 🕕 🕍 🖬 16:35
Show Menu 🛛 🔿	
SUBARU V26.10 > Area Select > North America(US/Canada) > Legacy >	> 2021 > Brake Control(BC) 🛛 🛜 🕇 0 b/s 🛛 40 b/s 🕮 12.19V
	QPlease enter keyword
Read Fault Code	Clear fault memory
Read Data Stream	Read Freeze Frame
Version Information	Special Function

SN:9898900022 斯巴鲁 Legacy/ VIN JF2BT9KL	Outback 2021					
Ø	P	J.		<u>ک</u>	€	

7. Choose [VSC (VDC) Centering Mode].

Ф. <u>–</u>	≱ 🕕 🎾 🛑 19:35						
Show Menu 😔							
SUBARU V26.10 > Area Select > North America(US/Canada) > Legacy	> 2021 > Brake Control(BC)						
	QPlease enter keyword						
ABS Sequence Control Mode	VDC Check Mode						
Brake Lamp Lighting Operation	VSC(VDC)Centering Mode						
Reading of parameter:ECM to TOOL	Writing of parameter:TOOL to ECM						
Selection of parameter(Current part parameter registration)	Confirm on parameters(Display current part parameters)						
Brake Maintenance Mode	Electric Parking Brake Compulsion Release Mode						
Zero setting mode of Pressure sensor	Check mode change						
SN:989890002216							
Subaru Legacy/Outback 2021 VIN JF2BT9KL3							
Q 🖸 🖾							

8. Start sensor calibration and click OK.

<u>ــــــــــــــــــــــــــــــــــــ</u>						X	🕒 🖆 🗎 16:36		
Show Menu			A	Ľ	2		P		
SUBARU V26.10 > Area Select > North Ar	nerica(US/Canada)	> Legacy > 2	2021 > Brake C	Control(BC)	🤶 🕇 0 b/s	↓ 0 b/s	🖽 12.23V		
					Q		er keyword		
ABS Sequence Control Mode			VDC Check Mode						
Brake Lamp Lighting Operation	VSC(VDC) Cer	ntering N	/lode(Calib	orate Ste.	ode				
Reading of parameter:ECM to T VDC Sensor Midpoin used to calibrate the			e zero point of the						
Selection of parameter(Current	Steering Angle and La		teral G Sen	sors.	(Display current part				
registration)	CANCEL			<					
Brake Maintenance Mode	Brake Maintenance Mode			Electric Parking Brake Compulsion Release Mode					
Zero setting mode of Pressure s	ensor		Check mod	le change					
SN:989890002216 斯巴鲁 Legacy/Outback 2021 VIN JF2BT9KL;									
Q P (1)					口 í	^ 2	↑		

9. Follow the prompts to perform the steering operation.

<u>م</u> ل						🕸 🕩 🖆 🗎 16:36	
Show Menu		A	E	2		ŀ	
SUBARU V26.10 > Area Select > North America(U	IS/Canada) > Legacy >	2021 > Brake C	ontrol(BC)	🛜 🕇 0 b/s	↓ 0 b/s	🖽 12.23V	
				Q	Please en	ter keyword	
ABS Sequence Control Mode		VDC Check	Mode				
Prake Lamp Lighting Operation			· · · · · · · · · · · · · · · · · · ·	todo			
Brake Lamp Lighting Operation	/DC) Centering I	Mode(Calib	rate Ste	Jue			
strai	the vehicle on a ignt ahead state.	level surfac	e in	OOL to ECN	Л		
Selection of parameter(Current	ct OK to begin.			(Display current part			
registration)	CANCEL						
Brake Maintenance Mode	CANCEL			Compulsio	n Release	Mode	
Zero setting mode of Pressure sensor		Check mod	e change				
SN:989890002216 斯巴鲁 Legacy/Outback 2021 VIN JF2BT9KL							
			(] វ	^ ₽	Ð	

→ Û.							* @	17:07		
Show Menu			A	Ľ	2			ŀ		
SUBARU V26.10 > Area Select > North Am	erica(US/Canada) :	> Legacy > 20	021 > Brake Co	ontrol(BC)			6	≡12.19V		
					0	् <mark>Please</mark> e		eyword		
ABS Sequence Control Mode			VDC Check Mode							
Brake Lamp Lighting Operation	Note	NSC(VDC)Contoring Mode								
Reading of parameter:ECM to T	licating, p	g, please wait								
Selection of parameter(Current					(Display o	current pa	art			
registration)	END SESSION					san on po				
Brake Maintenance Mode		1	Electric Parl	king Brake	Compulsio	on Releas	e Mod	le		
Zero setting mode of Pressure sensor			Check mode change							
SN:989890002216 斯巴鲁 Legacy/Outback 2021 VIN JF2BT9KL										
Q 🖸 🔛				C		<u>م</u>	Ð			

10. Sensor calibration is completed. Click OK.

✓ <u>–</u>							* 🕩 🔟 🗖 17:07		
Show Menu			A	Ľ	2		P		
SUBARU V26.10 > Area Select > North Ar	nerica(US/Canada) >	Legacy > 2	2021 > Brake C	ontrol(BC)			🖽 12.19V		
					(्र <mark>Please er</mark>	nter keyword		
ABS Sequence Control Mode			VDC Check	Mode					
Brake Lamp Lighting Operation	VSC(VDC) Cent	ering N	lode(Calib	rate Ste	ode				
Selection of parameter(Current registration)			oint setting mode has plete. (Display current part						
Zero setting mode of Pressure s	ensor		Check mod	e change					
SN:989890002216									
斯巴鲁 Legacy/Outback 2021 VIN JF2BT9KL3									
Ø 🖪 🖪				C		ふ	Ð		

Statement:

The content of this document is copyrighted by LAUNCH TECH CO., LTD., and no individual or organization may quote or reprint it without consent.