Toyota Vios Torque Sensor Adjustment

Function description: Torque sensor adjustment

Supported product: Launch PRO or PAD series comprehensive diagnostic equipment

Tested model: Toyota Vios VIN: LFMA8E2A1M063**** (See the following

figure)



The instrument lamp turns on, reporting the DTC: C1515 torque sensor zero point adjustment undone. (See the following figure.)

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Diagnostic T	rouble Code			î	2		7 P
TOYOTA V51.00 > 16PI	N DLC(Europe and C	ther) > Yaris/	Vios > NSP15# > TFTM(China, Tianjin Faw Toyo	ta Motor Co.,Ltd.) P	roduct > 2020	.08- > EMP 🖽 12.13
C1515 Current		ie Sensor Z stment Und		C1515 History	1. Sec.	ue Sensor Z stment Und	
Freeze Frame	Data Stream	Help	Code Search	Freeze Frame	Data Stream	Help	Code Search

丰田 威驰 2021 VIN LFMA8E2A1	MOE			Report	Clear DTCs
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Procedure:

1. Access the EMPS system. (See the following figure.)

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System and Fund	tion		f	₹	<u>Q</u>	ŀ
TOYOTA V51.00 > 16PIN DLC(Europe and Other) > Yaı	is/Vios > NSP15# > TF	TM(China, Tianjin Faw	v Toyota Motor Co.,Lto	l.) Product > 2020.08-	· Ē∃12.15V
System Topology	*Support sliding up a	nd down Normal Al	ABS		Equipped	
System List		ECMEC	T EMPS	2 AC	SST	
Service Function	Can2	ES				
Customize Setting	K-Line	TPMS				
Vehicle Information	OBD					
	K					
丰田 威驰 2021 VIN LFMA8E2A1M06			Report	Compare Results	Diagnostic Plan	Clear DTCs
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2. Choose [Special Function]. (See the following figure.)

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Show Menu	↑ 2 2 7
TOYOTA V51.00 > 16PIN DLC(Europe and Other) > Yaris/Vios > NSP15# > TFTM	(China, Tianjin Faw Toyota Motor Co.,Ltd.) Product > 2020.08- > EMP 🕮 11.96V
	Q Please enter keyword
Read Fault Code	Clear Fault Memory
Read Freeze Frame	Read Data Stream
Special Function	

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3. Choose [Torque Sensor Adjustment]. (See the following figure.)

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Show Menu	↑ 2 ₽ ₽
TOYOTA V51.00 > 16PIN DLC(Europe and Other) > Yaris/Vios > NSP15# > TFTM(China, Tianjin Faw Toyota Motor Co.,Ltd.) Product > 2020.08- > EMP ⊞12.22V
	Q Please enter keyword
Abnormal Operation History	Signal Check
Torque Sensor Adjustment (i)	Customize Setting

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4. Use this function after replacing the following parts. Click OK. (See the following figure.)

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Show Menu		A	Ľ	2		P
TOYOTA V51.00 > 16PIN DLC(Europe and Othe	er) > Yaris/Vios > NSP15# > TFTM(Chir	na, Tianjin Faw	Toyota Motor Co	.,Ltd.) Product :	> 2020.08- > EM	IP 🖽 12.22V
					QPlease er	
Abnormal Operation History	Torque Sensor A	Adjustmen	t			
Torque Sensor Adjustment	<usage> Use this function after repl parts. 1.EMPS ECU. 2.Steering wheel. 3.Tilt steering column asso 4.Steering gear assembly. <introduction> This function adjusts the s position. Please follow the prompt r use this function.</introduction></usage>	embly. teering ang	le			
	CANCEL	Oł	<			
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Q P (1)			C] í	<u>л</u>	•)

5. Click OK to proceed. (See the following figure.)

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Show Menu		A		2		F
TOYOTA V51.00 > 16PIN DLC(Europe and Oth	ner) > Yaris/Vios > NSP15# > TFTM(C	China, Tianjin Faw	Toyota Motor C	o.,Ltd.) Produc	t > 2020.08- > E	MP 1217V
					QPlease	enter keyword
Abnormal Operation History	Torque Senso	r Adjustmen	t			
Torque Sensor Adjustment	 1.Welcome to the Torque wizard. This function is used to e wheel if: 1.The EPS ECU has beer 2.The steering gear assered replaced. 3.There is a difference in turning right or left. press OK to proceed. 	center the ste n replaced. embly has bee	eering en e when			
丰田 威驰 2021 VIN LFMA8E2A1M0:						
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6. Confirm the following conditions: 1. Vehicle is stopped. 2. Engine is running. (See the following figure.)

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TOYOTA V51.00 > 16PIN DLC(Europe and Othe	er) > Yaris/Vios > NSP15# > TFTM(0	China, Tianjin Faw	Toyota Motor Co	o.,Ltd.) Product	> 2020.08- > EN	IP 🖽 12.17V
					Q Please ei	
Abnormal Operation History		Signal Check				
Torque Sensor Adjustment	Torque Senso	r Adjustmen	t			
	2.Confirm the following 1. Vehicle is stopped. 2. Engine is running. press OK to proceed.	conditions:	(
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7. Confirm that the steering wheel is centered, and press OK to proceed. (See the following figure.)

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Show Menu		A	Ľ	2		F
TOYOTA V51.00 > 16PIN DLC(Europe and Othe	er) > Yaris/Vios > NSP15# > TFTM(China, Tianjin Faw	Toyota Motor	Co.,Ltd.) Produc	ct > 2020.08- > EN	IP 🖽 12.19V
					Q Please ei	
Abnormal Operation History		Signal Check				
Torque Sensor Adjustment	(i)	Customize S	ettina			
	Torque Senso	or Adjustmen	t			
	Confirm the following c Steering wheel is cente press OK to proceed.	onditions: red.				
	CANCEL	OK	(
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8. Calibrating... (See the following figure.)

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TOYOTA V51.00 > 16PIN DLC(E	Europe and Other) > Yaris,	/Vios > NSP15# > TFTM(Chii	na, Tianjin Faw 1	Toyota Motor Co	.,Ltd.) Product	> 2020.08- > EMP.	
Torque Sensor Adjustmen	t						
Now Calibrating							
Time Remaining: 6.0 s							
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9. Torque sensor adjustment is completed. (See the following figure.)

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TOYOTA V51.00 > 16PIN DLC(Europe and Oth	ner) > Yaris/Vios > NSP15# > TFTM(Chir	na, Tianjin Faw 1	Foyota Motor Co	o.,Ltd.) Product	> 2020.08- > l	EMP 🖽 12.02V
Torque Sensor Adjustment						
Now Calibrating						
Time Remaining: 1.0 s						
	Torque Sensor A	Adjustment	t i			
	5.Torque Sensor Adjustme	ent is compl	ete.			
	ок					
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10. Read DTCs again and there is no DTC found. (See the following figure.)

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Diagnostic Troubl	e Code		f	⊒ ∕	2		ŀ
TOYOTA V51.00 > 16PIN DLC(E	urope and Other) > Yar	is/Vios > NSP15# > TFTN	И(China, Tianjin Faw	Toyota Motor Co	o.,Ltd.) Product	> 2020.08- > EMP.	. 🟥11.96V
Freeze Frame	No DTC Help	Code Search					
丰田 威驰 2021							
丰田 威驰 2021 VIN LFMA8E2A1N						F	Report
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