2011 Prado ABS DTC "C120a, ECU Initialization Not Completed" Rectifying Method

Product Model	Date	Number
X431Pro series	20160419	

Vehicle Coverage:

• Toyota Prado, 2011, VIN= JTEJU3FJXB50*****

Function Description:

This function is performed to calibrate the yaw rate sensor after one of the following components is replaced:

- ABS ECU
- Yaw rate/G sensor

Prerequisites:

- The vehicle is on a flat surface.
- The steering wheel is straight forward.
- The gear lever is in P gear.
- Engine is not running.
- Ignition is ON.

Procedure:

The following takes C120A present after 2011 Prado ABS pump assembly is replaced as an example.



Figure 1

1).Choose Toyota V48.53 or a later version.

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≡	Select Version	Login
Vehicle	Version	
ΤΟΥΟΤΑ	V48.81	

TOYOTA Series V48.81 All Systems							
This software can diagnose Powertrain, Chassis and Body systems on Toyota vehicles.							
an a	-		(3)	\checkmark			
End Session	Print		Search Bluetooth	Confirm			
	\bigtriangledown	0					

2). Choose 16PIN DLC (Europe and other regions).

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≡		Show Mer	าน		Login
TOYOTA V48.81 > menu					
16PIN DLC(Europe and Other)					
17PIN TOYOTA-17 DLC					
17PIN TOYOTA-17F or 22PIN D	OLC				
Set Area					
History					
Help					
	Session			Print	
	⊲	0			

3). Choose Automatic Search.





4). Choose LC PRADO.

Saving screenshot		
	Show Menu	Login
TOYOTA V48.81 > 16PIN DLC(Europe and Other) > Automatica	ally Search	
GX400		
LC PRADO		
LC120		
LAND CR 200		
LC70		

🔒			.
End Session			Print
۵	0		

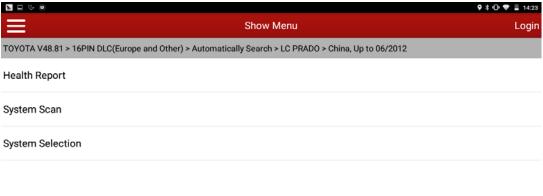
5). Choose China, up to 2012.06..

≡		Show Menu	u .		Login
TOYOTA V48.81 > 16PIN DLC(Europe	and Other) > Automat	ically Search > LC I	PRADO		
China, Up to 06/2012					
China, 06/2012-11/2013					
China, As of 11/2013					
Others, Up to 10/2011					
Others, 10/2011-06/2012					
Others, 06/2012-08/2013					
Others, As of 08/2013					
	ession			Print	
	Q	0			

6).X-431 automatically reads vehicle information.

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\equiv		Login			
TOYOTA V48.81 > 16PIN D	LC(Europe and Other) > Automatically S	earch > LC PRAD	0		
China, Up to 06/2012					
China, 06/2012-11/20	Vehicle Information				
China, As of 11/2013	VIN: - Vehicle Name:LAND CR PRADO Model:GRJ1# Engine Type::3GRFE (Gasoline)				
Others, Up to 10/2011	Year:2011 Cylinder Number-:4				
Others, 10/2011-06/20		ОК			
Others, 06/2012-08/20	113				
Others, As of 08/2013					
	la l			.	
	End Session			Print	
	Q	0			

7). Choose System Selection.





8). Choose Chassis.

Saving screenshot		
≡	Show Menu	Login
TOYOTA V48.81 > 16PIN DLC(Europe and Other) > Automatica	ally Search > LC PRADO > China, Up to 06/2012 > System Selection	
Powertrain		
Chassis		
BODY		

End Session			- 7
End Session			Print
Q	0		

9). Choose ABS (Anti-lock Brake System)/VSC (Vehicle Stability Control)/TRC (Traction Control).

Saving screenshot			
		Show Menu	Log
TOYOTA V48.81 > 16PIN DLC(E	urope and Other) > Automatical	y Search > LC PRADO > China, Up to 06/20	12 > System Selection > Chassis
ABS/VSC/TRC			
Air suspension			
IPA/Parking Assist Monito	pr		
KDSS			
PPS			
	-		- -
	End Session		Print

10).Read the DTC. The information "C120a, ECU initialization is not completed" is displayed.

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\equiv			Show Menu				Login
TOYOTA V48.81 > 16PIN DL	.C(Europe and Oth	er) > Automatical	ly Search> China,	Up to 06/201	2 > System	Selection > Chass	sis > ABS/VSC/TRC
Read Fault Code							
Clear fault memory							
Read Data Stream							
Actuation Test							
Read Freeze Frame							
Special Function							
	a					a	
-	End Session		_		_	Print	_
		\bigtriangledown	0				

Saving screenshot				
TOYOTA V48.81 > 16PIN DLC(Europe and Other) > Automatically Search> China, Up to 06/2012 > System Selection > Chassis > ABS/VSC/TRC				
Code	Description	State	System Name	
C120a	ECU Initial Setting Incomplete	Current	ABS/VSC/TRC	

		Clear fault memo	ory	
R	Q		-	(i)
End Session	Search	Report	Print	Help
	\bigtriangledown	0		

11).Place the gear lever in P, press and turn the knob in Figure 9 to the middle position between H4 (high speed 4WD) and L4 (low speed 4WD), and then perform the X-431 special function "test mode".

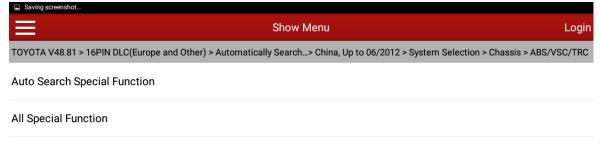
4

12). Choose Special Function.

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≡	Show Menu	Login
TOYOTA V48.81 > 16PIN DLC(Europe and Other) >	Automatically Search> China, Up to 06/2012 > Syst	tem Selection > Chassis > ABS/VSC/TRC
Read Fault Code		
Clear fault memory		
Read Data Stream		
Actuation Test		
Read Freeze Frame		
Special Function		
R		



13). Choose Automatically Scan Special Function.





14). Choose Test Mode.

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≡	Show Menu	Login
TOYOTA V48.81 > 16PIN DLC(Europe and Other) > Automatica	ally Search> China, Up to 06/2012 > System Selection > Cha	ssis > ABS/VSC/TRC
ABS History		
Reset Memory		
Test Mode		
Air Bleeding		
VSC/TR(A)C/4WD Control Prevention Mode		
SIGNAL CHECK		



15). A message is displayed, asking this function to be performed after ABS ECU or yaw rate/G sensor is replaced.

Saving screenshot			
\equiv	Show Menu		Login
TOYOTA V48.81 > 16PIN D	DLC(Europe and Other) > Automatically Search> China, Up	to 06/2012 > System Selection > Cl	nassis > ABS/VSC/TRC
ABS History			
Reset Memory	Test Mode		
Test Mode	Welcome to the test mode wizard. This function is used to calibrate the Yaw Rate Sens following components.	or after replacement of the	
Air Bleeding	-ABS ECU -Yaw Rate/G Sensor Press OK to proceed.		
VSC/TR(A)C/4WD Cor	Cancel	ОК	
SIGNAL CHECK			
	End Session	Print	

16). The prerequisites for test mode are displayed. Ensure that the vehicle is on a flat surface, the steering wheel is straight forward, the gear lever is in P, the engine is stopped, and ignition is on.

Saving screenshot		
\equiv	Show Menu	Login
TOYOTA V48.81 > 16PIN D	DLC(Europe and Other) > Automatically Search> China, Up to 06/2012 > System Select	tion > Chassis > ABS/VSC/TRC
ABS History		
Reset Memory	Test Mode	
Test Mode	Confirm the following conditions. -Vehicle is on level surface. -Steering wheel is in the straight-ahead position. -Shifter is in park.	
Air Bleeding	Engine is not running. IG is ON. Press OK to proceed.	
VSC/TR(A)C/4WD Co	r Cancel OK	
SIGNAL CHECK		
	End Session Print	

17).Keep the vehicle stationary for 2s or longer.

Saving screenshot					
		Show Menu			Login
TOYOTA V48.81 > 16PIN D	LC(Europe and Other) > Automaticall	y Search> China, L	Jp to 06/2012 > Sys	tem Selection >	Chassis > ABS/VSC/TRC
ABS History					
Reset Memory					
Test Mode	Test Mode Keep the vehicle stationary for tw Press OK to proceed.	o seconds or mor	e.		
Air Bleeding		_			
VSC/TR(A)C/4WD Cor	Cancel		OK		
SIGNAL CHECK					
	End Session			Print	
		0		Fill	

18). The message "When the ABS&VSC lamp blinks, calibration is complete. If the ABS&VSC lamp does not blink, try again" is displayed.

Saving screenshot		
\equiv	Show Menu	Login
TOYOTA V48.81 > 16PIN D	LC(Europe and Other) > Automatically Search> China, Up to 06/2012 > System Selection >	Chassis > ABS/VSC/TRC
ABS History		
Reset Memory		
	Test Mode	
Test Mode	When the ABS & VSC light blinks, the calibration is complete. Please try again if the ABS & VSC light does not blink.	
Air Bleeding		
	ОК	
VSC/TR(A)C/4WD Cor		
SIGNAL CHECK		
	End Session Print	

19).Read the DTC again. No DTC is prompted. Start the engine to check. If the instrument panel MIL is not on, the fault is rectified.

N	S ⊑ ∿ ®			
\equiv	Read DTC			
TOYOTA V48.81 > 16PIN	NDLC(Europe and Other) > Automatically Search> Chir	na, Up to 06/2012 > Sy	stem Selection > Chassis > ABS/VSC/TRC	
Code	Description	State	System Name	
NO DTC			ABS/VSC/TRC	



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