Ford F-150 2019 TAD Calibration

Supported Model/Model Year:

Ford 2019 F-150

Features:

When removing or replacing the front/rear camera, IPM-B module or guided by TSB (Technical Service Briefing) maintenance manual, this function is needed to perform. And this function needs to cooperate with **Target LAC04-07**.

Requirements:

Communication is normal, battery voltage is between 12V and 15V, and all doors, trunk, and hood are closed;

If the IPMB (Image Processing Module B) is replaced, please execute "**IPMB Programmable Module Installation**" under the module programming menu before continuing this procedure;

If the front or rear camera is replaced, please execute "LIN New Module Initialization-IPMB (Image Processing Module B) Maintenance Function" before continuing this procedure; Execute IPMB (Image Processing Module B) read the fault code, and execute clear the fault code

before continuing this procedure.

Software version:

Select Ford V48.50 or above.

Product requirements:

X431 PRO3/3S/3S+/5 series products, PAD series products, X-431 ADAS target LAC04-07.

Steps:

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1. Select [Auto Search] (Figure 1, Figure 2).

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Vehicle Version Information			f	P			
Software ID	Version #						
FORD	V48.65						
Ford Diagnosis V48.65							
What 's New							
Summary:							
 1) Added functions of Module Initialization, Reset the Knock Se 2) Optimized the special function of PATS (Passive Anti-Theft 3) Optimized basic functions of FOTA Kuga, Ford New Kuga, Cc 4) Optimized functions of ETB (Electronic Throttle Body) Check 	System); ontinental, Fusion, F-150, MKZ, Fiesta, F						
New Functions:							
Added functions of Module Initialization, Reset the Knock Sense	or Learned Values and more;						
Optimized Functions:							
 1) Optimized the special function of PATS (Passive Anti-Theft 1 2) Optimized basic functions for Ford Kuga, Ford New Kuga, Co 3) Optimized functions of ETB (Electronic Throttle Body) Check 	ontinental, Fusion, F-150, MKZ, Fiesta, F						
Fixed Bugs:							
None							
		Vehicle Coverage	Search Bluetooth	ОК			
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Show Menu	🔒 🔒
FORD V48.65 > Menu	🖽 12.52V
Automatically Search	Manually Select
Manually Reset Service	Manually Reset Keyfob
Cummins And Caterpillar Diesel Engine Systems Test Specification	

Ford						
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Figure 2

2. Confirm current vehicle information (Figure 3).

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Show Menu				A	P
FORD V48.65 > Menu					🖽 12.22V
Automatically Search		Manually Select			
	Vehicle Sp	ecification			
Manually Reset Service	VIN :1FTFW1RG8KFA**	****			
Cummins And Caterpillar Diesel Eng Specification	Cummins And Caterpillar Diesel Eng Vehicle = F-150				
	NO	YES			
Ford					
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Figure 3

3. Select [Special Features] (or select ADAS (Advanced Driver Assistance System) Calibration) (Figure 4).

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Show Menu	
FORD V48.65 > Automatically Search	🖽 12.17V
Health Reports	System Scan
System Selection	Special Functions
Module Programming	ADAS (Advanced Driver Assistance System) Calibration
Vehicle Information	

Ford F-150 20 VIN 1FTFW1						
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Figure 4

4. Select [Electrical] (Figure 5).

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Show Menu		^	P
FORD V48.65 > Automatically Search > Special Functions			🔁 12.17V
Body	Chassis		
Electrical	Powertrain		



Figure 5

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5. Select [Service function] (Figure 6).

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Show Menu	↑ 🕞
FORD V48.65 > Automatically Search > Special Functions > Electrical	12.17
Service Functions	
Cruise Control	

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Figure 6

6. Select [TAD Calibration] (Figure 7).

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Show Menu	
FORD V48.65 > Automatically Search > Special Functions > Electrical > Service F	unctions 🖽 12.17
LED Lamp Driver Module Initialization	LIN New Module Initialization
LIN New Module Initialization-IPMB	360 Camera Calibration
TAD Calibration	

Ford F-150 201 VIN 1FTFW1R					
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Figure 7

7. Prompt to perform the function, prerequisites for the vehicle (Figure 8).

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Show Menu	TAD(Trailer Angle Detection) Calibration	
FORD V48.65 > Automatically Search > Speci.	This Procedure Is Used To Calibrate The TAD (Trailer Angle Detection) System.The Procedure Requires The Use Of Two Calibration Target Mats And A Suitable Area	ion
LIN New Module Initialization-IPMB	In Size,Flatness,And Lighting To Perform The Automated Camera System Calibration. Pre-Conditions:	
TAD Calibration	*If IPMB (Image Processing Module B) Was Replaced,Perform IPMB (Image Processing	
	Module B) PMI (Programmable Module Installation) Under Module Programming Menu Before Continuing With This	
	Procedure. *If Front Or Rear Camera Was Replaced, Perform LIN New Module Initialization-IPMB	
	(Image Processing Module B) Service Function Before Continuing With This	
	Procedure. *Perform IPMB (Image Processing Module B) Self-Test And Address DTCs Before	
Ford F-150 2019 VIN 1FTFW1RG8KFA*****	NO YES	
(

Figure 8

8. Prompt the surrounding environment to ensure enough space and precautions for the vehicle (Figure 9).

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Show Menu			A	P
FORD V48.65 > Automatically Search > Specia	TAD(Trailer Angle Detection) Calibration			🖭 12.21V
LED Lamp Driver Module Initialization	Vehicle Setup: *Park Vehicle On A Suitable Flat Surface With Sufficient Area For Placement Of Target	ion		
LIN New Module Initialization-IPMB	Mats. Allow For An Additional 2Ft (61Cm) Clearance Around Perimeter Of Target Mats			
TAD Calibration	With No Objects That Could Interfere With The Calibration *Verify Vehicle Is In Park.			
	*Verify Target Mats Are Clean And Undamaged.			
	*Verify That All Camera Lenses Are Clean *Verify That Lighting Will Properly Illuminate			
	The Target Mats And Will Be Clearly Visible On The Touch Screen Display. *Verify That All Doors,Deck Lid,And Tail Gate			
	Are Closed. Do You Wish To Continue?			
Ford F-150 2019	NO YES			
VIN 1FTFW1RG8KFA****				
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Figure 9

9. Place the target correctly according to the prompts (Figure 10). Take F-150 as an example: Mark 1 is 2400mm.

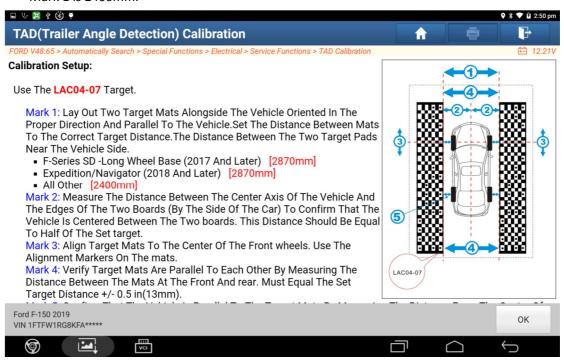


Figure 10

10. Prompt the time required for calibration (Figure 11).

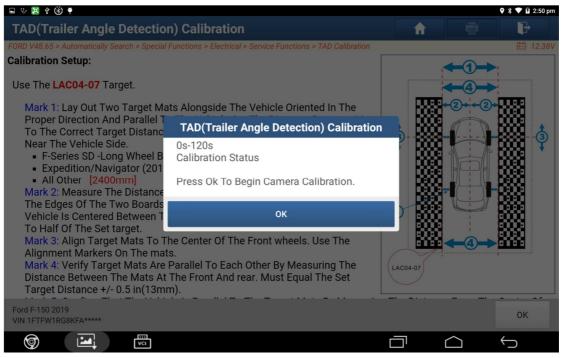


Figure 11

11. Prompt to start calibration (Figure 12).

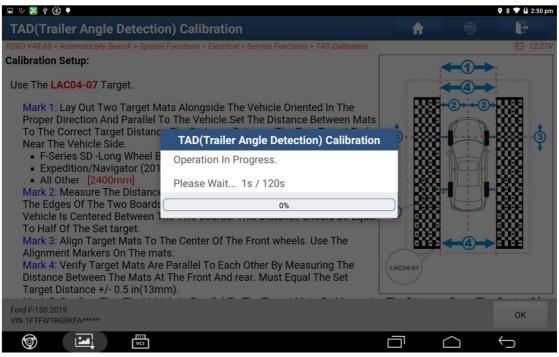


Figure 12

12. Prompt that the calibration is successful (Figure 13).

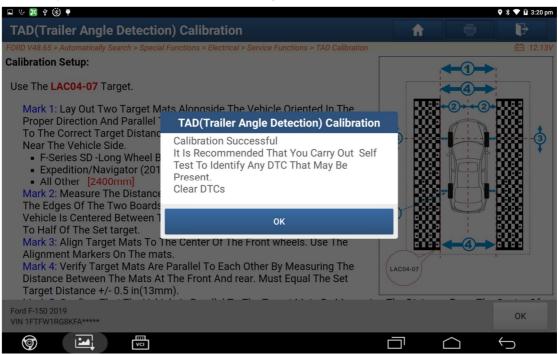


Figure 13

13. Exit the function, and return to the menu to clear the fault code.