2012 Ford Mondeo Steering Angle Sensor Calibration Instructions

Product Model	Date	Number
X-431 Pro series	Nov., 24th, 2015	

Tested Model:

• Ford Mondeo, 2012, VIN=WF0GXXGBBGCB*****

NOTES:

This function is used to configure the steering angle sensor and calibrate the steering wheel position. Perform this function when corresponding sensors are replaced or the steering wheel position is not accurate.

Keep the vehicle on a flat surface, and the steering wheel is set at straight ahead position.

Operation Procedure:

1).Select Ford version above V45.20.

2). Select automatic search.

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=	Show Menu	Login
FORD V46.22 > menu		
Automatically Search		
Manually Select		
Manually Reset Service		
F-650 / F-750 Test Specification		
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New Session	Print	Help
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3).Select Fuel Type=Gasoline.

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	Show Menu	Login
FORD V45.22 > Automatically Search		
Fuel Type = Diesel		
Fuel Type = Electric		
Fuel Type = Flex Fuel		
Fuel Type = Alternative Fuel		
Fuel Type = Gasoline		
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New Session	Print	Help
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4).Select "System Selection"

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	Show Menu	Login
FORD V45.22 > Automatically Search		
Quick Test		
System Scan		
System Selection		
Special Function		
Module Programming		
Vehicle Information		
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New Session	Print	Help
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5). Select ABS(Anti-lock Brake System)/ESP(Electronic Stability Program) exhaust.

=	Show Menu	Login
FORD V46.22 > Automatically Search > System Selection		
ABS/TCS (Anti-Lock Brake/Traction Control Modul	e)	
ACM (Audio Control Module)		
AHCM (Auxiliary Heater Control Module)		
BCMii (Body Control Module)		
CCMii (Cruise Control Module)		
CDP (Compact Disc Player)		
CMR (Camera Module Rear)		
—		(i)
New Session	Print	Help
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6). Check vehicle status and ensure that the vehicle is in required status: Vehicle on a flat surface, and the steering wheel is set at straight ahead position.

\equiv		Show Menu				
FORD V45.22 - Automatically Search -> System Sel	ection					
ABS/TCS (Anti-Lock Brake/Traction Con	rol Module)					
ACM (Audio Control Module)	em info			_		
AHCM (Auxiliary Heater Control Mod Type Mou Vehi	ule : ABS/TCS : Standard Equipm dle Information : 00 cle Incode :00003B	nent Module 0006573 40				
BCMii (Body Control Module)				_		
CCMii (Cruise Control Module)	OK		Cancel			
CDP (Compact Disc Player)						
CMR (Camera Module Rear)						
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New Session		Print			Help.	
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7).Select Special Function

Ξ	s	how Menu			Login
FORD V45.22 > Automatically Search > System Sele	ction > ABS/TCS (Anti-	Lock Brake/Trac	tion Control Module)		
Read Fault Code					
Clear Fault Memory					
Read Data Stream					
Version Information					
Special Function					
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New Session		Print		U Help	
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8).Place the key to ON position in order to turn the steering wheel. Because of the great force of friction between tires and the ground, in order to turn the steering wheel more easily, it is advised to start the engine at this moment.

\equiv		Show Menu				Login
FORD V46.22 > Automatically Search > System Selec	alon > ABS/TCS (Ant	i-Lock Brake/Tra	ction Control M	odule)		
Pressure Sensor Calibration						
Configure The Yaw Rate Sensor						
Ignitic Configure The Steering Angle Sense ^{Set Ign} Configure The Longitudinal Acceler	on State hition Switch To OM	V(Position II) OK				
Configure The Lateral Acceleration Senso	r.			_		
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9). Turn the steering wheel to the left and right respectively about 10 degree, then back to the straight ahead position.

FORD V46:22 > Automatically Search > System Selection > ABS/TCS (Anti-Lock Brake/Traction Control Module) Pressure Sensor Calibration Configure The Yaw Rate Sensor Steering Angle Sensor Calibration Configure The Steering Angle Sensor Calibration Configure The Longitudinal Acceler OK Cancel BleedMASTER		Show Menu	
Pressure Sensor Calibration Configure The Yaw Rate Sensor Configure The Steering Angle Sensor Calibration Rotate The Steering Wheel Through 10 Degrees In Each Dirction Configure The Longitudinal Acceler OK Cancel BleedMASTER	FORD V45 22 - Automatically Search - Syste	en Selection > ABS/TCS (Anti-Lock Brake/Traction Control Mod	de)
Configure The Yaw Rate Sensor Configure The Steering Angle Sensor Calibration Rotate The Steering Wheel Through 10 Degrees In Each Dirction Configure The Longitudinal Acceler Configure The Lateral Acceleration Sensor BleedMASTER	Pressure Sensor Calibration		
Configure The Steering Angle Sensor Calibration Configure The Steering Angle Sensor Configure The Longitudinal Acceler Configure The Lateral Acceleration Sensor BleedMASTER	Configure The Yaw Rate Sensor		_
Configure The Longitudinal Acceler OK Cancel Configure The Lateral Acceleration Sensor BleedMASTER	Configure The Steering Angle Sens	Steering Angle Sensor Calibration Rotate The Steering Wheel Through 10 Degrees In Each Dirction	
Configure The Lateral Acceleration Sensor BleedMASTER	Configure The Longitudinal Acceler	OK Cancel	
BleedMASTER	Configure The Lateral Acceleration	Sensor	
	BleedMASTER		
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New Session Print Help	New Session	Print	() Help
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10). After clicking OK, it counts down from 4 seconds configuring the module.

Show Menu				
FORD V46.22 > Automatically Search > System Selection > ABS/TCS (Anti	-Lock Brake/Trace	on Control Module)		
Pressure Sensor Calibration				
Configure The Yaw Rate Sensor				
Configure The Steering Angle Sense Tips		New Session		
Configure The Longitudinal Acceler OPlease Wait 3 Sec.		- 1		
Configure The Lateral Acceleration Sensor				
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New Service	Print			
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11). It prompts the procedure succeeded once the ECU configuration completed.

\equiv	Show Menu		
FORD V45:22 > Automatically Search > System Selection > ABS/TC	S (Anti-Lock Brake/Traction Control M	adule)	
Pressure Sensor Calibration			
Configure The Yaw Rate Sensor		_	
Configure The Steering Angle Sense Procedure Success	isor Calibration iful.		
Configure The Longitudinal Acceler			
Configure The Lateral Acceleration Sensor	ок		
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12). After this procedure succeeded, some vehicles may produce fault code due to this function execution, thus it is required to do self-test and clear the DTC, but most of the vehicles will not set fault codes.

\equiv	Show Menu	Login
FORD V46 22 > Automatically Search > System Sel	ection > ABS/TCS (Anti-Lock Brake/Traction Control M	ladule)
Pressure Sensor Calibration		
Configure The Yaw Rate Sensor		
Configure The Steering Angle Sense *Rep •The	orate Yaw Rate Sensor ig Complete eat Selftest DTC Should Now Be Cleared And Displayed As I	Historical
Configure The Longitudinal Acceler	ок	
Configure The Lateral Acceleration Sens	or	_
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New Session	Fint	

13). After confirmation, it prompts to turn the ignition key to OFF to end the test.

	how Menu	Login
FORD V45.22 > Automatically Search > System Selection > ABS/TCS (Anti-	cock Brake/Traction Control Module)	
Pressure Sensor Calibration		
Configure The Yaw Rate Sensor Operator Action		
Configure The Steering Angle Sense Set Ignition Switch To OFF	(Position 0)	
Configure The Longitudinal Acceler		
Configure The Lateral Acceleration Sensor	ок	
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New Session	Print	(j) Help
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