

SPRINTER V20.66Diagnostics List (Note:For reference only)

Menu		Functions							
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
	EWM electronic selector lever module	√	√	√	√				
	EGS electronic transmission control	√	√	√	√		1. Automatic control module replacement		
							2. Teach-in of transmission (Adaptation)	Resetting of adaptation data	
	EDW 2 anti-theft alarm	√	√	√	√	√	1. Automatic control module replacement		
								2. Parameterization of control module functions	Version
									Audible alarm system
									Analyzed inputs
									Number of repeat alarms activated by interior sensors
									Panic alarm output
									Body
									Vehicle wheelbase
			Permissible gross weight						

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Menu		Functions							
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
	HZR heating control	√	√	√	√	√	1. Size of passenger compartment		
							2. Engine version		
	ZV central locking system	√	√	√	√		1. Parameterization of doors	Driver's door	
								Passenger door	
								Left side door	
								Right side door	
								Tailgate	
								2. Control module functions: Other body	Unlocking of doors
							Locking of vehicle when a door already locked is closed		
							Automatic locking of doors which are still open		
							Locking in the case of opened doors		
								3. Reset control module functions to standard settings	Automatic locking by means of V signal

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Menu		Functions										
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others				
	ME-Motor electronics	√	√	√	√		1.Variant coding	Pollutant standard				
								Air conditioning				
								Tire size				
											2.Automatic control module replacement	
											3.Manual replacement of control module	
											4.Interlock control module.	
											5.Correction programming	Ignition RON (research octane number)
												Fuel quantity
												CO setting for vehicles without TWC
												Desensibilize shutoff threshold of smooth engine running.
						6.Maximum vehicle speed limit(HGB)						

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Menu		Functions							
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
	CDI-common rail	√	√	√	√		1. Injector classification	Change to injector classification	
								Initialization of injector classification	
							2. Activate control module CDI		
							3. Other parameterization	speed limit	
								Tire size	
	CR-common rail	√	√	√	√		1. Interlock control module.		
							2. Injector classification		
							3. Maximum vehicle speed limit (HGB)		
	KI-Instrument cluster	√	√	√	√		1. ASSYST Active Service System		
	WSP-Immobilizer	√	√	√	√			1. Learn transponder key	Learn additional transponder key
									Erase all the transponder keys and relearn the current one
	ABW-Airbag with widow bag	√	√	√		√		1. Parameterization	Parameterization of vehicle equipment Parameterization of crash parameter set
ABS-Anti-lock braking system	√	√	√	√			1. Parameterization		

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Menu		Functions							
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
Sprinter	APS Auto pilot system	√	√	√	√	√	1.Parameterization	Parameterization of vehicle components	
								Parameterization of vehicle data	
								Parameterizing of audio data	
							2.Control unit replacement		
	AB-Airbag	√	√	√					
	SCR Control unit AdBlue	√	√	√	√	√			
	ERE、EVE、ASF	√	√	√	√	√	Identification		
ATA - Anti-theft alarm system	√	√	√	√	√	√	Parameterization		
							Parameterizing battery horn	Netherlands (as per SCM)	
								Standard	

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Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
901.0/3/4,902.0/ 3/4, 903.0/3/4,904.0/ 3/4	WSP-immobilizer	√	√	√	√	√	Programming / deleting keys	Programming a new key	
								Deleting all keys and programming keys (when key is lost)	
							Parameterization		
		Deactivating/activating keys							
	APS-Auto pilot system	√	√	√	√	√	√	Vehicle data	Vehicle model
									Tire size
									Tire condition
								Components	CD changer
									Bose sound system
									Traffic data memory
Audio parameters								Speed-responsive volume adaptation	
	Volume adaptation for traffic program								
	Anti-theft diode								
	Afterrunning								
	ZHE-heater booster	√	√	√	√	√			

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Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
	HZR-heating control	√	√	√	√	√	Parameterization	Equipment version	
								Engine versions	
								Temperature unit	
								Fault recognition	
	ABS-Anti-lock braking system	√	√	√	√	√			
	AB-Airbag	√	√	√					
	CDI4_906	√	√	√	√	√	√	1.Tire size	
								2.Initialization after component replacement	
								3.Diesel particulate filter	
								4.Drive authorization	
5.Maximum vehicle speed limit									
6.Write VIN									
7.Functions in combination with control unit PSM									
CDI3_906	√	√	√	√	√	√	1.Tire size 2.Adjustment of injector injection quantities 3.Limit values Working speed control		

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Menu		Functions						
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
	CDID2_906	√	√	√	√	√	1.Initialization after component replacement 2.Diesel particulate filter 3.Zero quantity calibration 4.Control module programming: Reset adaptation data.	
	CDI6_906	√	√	√	√	√	1.Adjustment of injector injection quantities	
							2.Initialization after component replacement	
							3.Diesel particulate filter	
							4.Drive authorization	
							5.Maximum vehicle speed limit	
							6.Write VIN	
	CDI60_906	√	√	√	√		1.Adjustment of injector injection quantities 2.Regeneration of diesel particulate filter when driving	
	ETC_906	√	√	√	√	√	1.resetting of adaptation data	
	EWM_906	√	√	√	√	√		1.Initial startup
	ESP_906	√	√	√	√	√	1.Adaptations in other control units	

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Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
906 (Up to 2013)	ESP9_906	√	√	√	√	√	Component Sensor ‘Yaw rate,lateral and longitudinal acceleration’ : Perform calibration		
	AAG_906	√	√	√	√	√	1.Coding display	1.Initial startup	
	DBE_906	√	√	√	√	√	1.Teach in component Rain/light sensor.		
	EIS_906		√	√	√	√	N/A	Activation (ELV Electric steering lock)	
								Central locking (Customer-specific settings)	
								Key or key track	
								Activate drive authorization system	
								Write VIN	
	ENR - Electronic level control		√	√	√	√	√	Level calibration	
								Initialization after component replacement	
LWR_906		√	√	√	√		1.Calibrate control unit LWR		
MRM_906		√	√	√	√	√		1.Initial startup	
OBF_906		√	√	√	√	√		1.Initial startup	
OBF2_906		√	√	√	√			1.Initial startup	

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Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
	SAM_906	√	√	√	√	√		1.Initial startup
	SRS_906	√	√	√	√	√	1.Interlock control module	
	SRS-L_906	√	√	√	√	√	1.Interlock control module	
	KI_906	√	√	√	√	√	1.Reset of maintenance interval display(Oil change)	
	TSG_906	√	√	√	√	√		1.Initial startup
	KLA_906	√	√	√	√	√	√	
	PTC_906	√	√	√	√	√		1.Initial startup
	ZHE_906	√	√	√	√	√		1.Initial startup
	PTS_906	√	√	√	√	√	1.Customer-specific settings	
	VG_906	√	√	√	√			
	ME_906	√	√	√	√		Drive authorization system	
Initial startup								
Maximum vehicle speed limit								
	STL_906	√	√	√	√	√		
	STR_906	√	√	√	√	√		
	FSCU_906	√	√	√	√	√		
	RDK(As of 2011)_906	√	√	√	√	√	1.Write wheel electronics identification number.	

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Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
	RDK(Up to 2010)_906	√	√	√	√	√		1.Initial startup with automatic takeover of settings of previous control unit
	KE_906	√	√	√	√	√		1.Initial startup
	ASG_906	√	√	√	√	√	1.Learning process for clutch grip point	
2.Teach-in of transmission								
3.Read coding and change if necessary								
	PSM_906	√	√	√	√		Correction of FMS data	
	CDI-Common Rail Diesel Injection	√	√	√	√	√	1.Drive authorization : Learning process (identification)	
2.Tester identification								
3.Control unit replacement								

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Menu		Functions						
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
	ECM-Engine Control module	√	√	√	√	√	1.Variant coding	Read coding and change if necessary
								Drive authorization
								Coding Cruise control
								Coding according to plant data
							2. Default initialization	
							3. Correction programming	Ignition
								Fuel quantity
								Idle speed set value
								Injection valve shutoff upon detection of combustion misfirings
								Electric suction fan for engine or air conditioning
Drive	ACS-Automatic clutch system	√	√	√	√	√	1.Bleeding	
							2.AKS setting	
							3.Engagement point determination	

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Menu		Functions						
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
							1.Control unit replacement	
							2.Control unit replacement:Save coding and load it into the new control module.	Control unit replacement:Saving coding in DAS
								Control unit replacement:Transferring saved coding into new control module
								Control unit replacement:Display of all stored data
							3.Adaptation	Definition
								Display adaption data.
								Resetting of adaptation data
								Performing adaptation if transmission replaced or transmission repaired
							4.Diagnosis routines	Service information:Noise reduction
								Noise reduction
								Force-free in position D
	FTC-Front transmission control	√	√	√	√	√		

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Menu		Functions								
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others		
Vaneo		ESM-Electronic selector module	√	√	√	√	√			
	Chassis	ESP-Electronic stability program	√	√	√	√	√	1. Road test		
	AB-Airbag							1.Read coding and change if necessary.	Left-hand steering or right-hand steering	
									Installation recognition for front passenger seat	
									Rear emergency tensioning retractors are fitted	
									2.Coding of a new control module (Standard equipment)	
									3.Coding of a new control module (Movability)	Only valid for vehicles with special equipment 'ZY6'
	Only valid for vehicles without special equipment 'ZY6'									
	4.Coded vehicle data	Chassis number								

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Menu		Functions						
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
Body	ATA - Anti-theft alarm system	√	√	√	√	√	1. Control unit replacement	
							2. Read coding and change if necessary.	
	DAS-Drive authorization system	√	√	√	√	√	1. Control unit replacement	
							2. Inhibit or re-authorize key	Revocably deactivate key
								Irrevocably deactivate key
							3. Read coding and change if necessary	Reactivate key

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Menu		Functions							
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
Information and communication	IC-Instrument cluster	√	√	√	√	√	1. Read coding and transfer to the new control unit.	√	
							2. Read coding and change if necessary.	Special equipment	
								Codings specific for instrument cluster	
							3. Instrument cluster settings	Time	
								Setting main odometer forward	
								Resetting of main odometer	
							4. ASSYST settings	Fuel tank characteristic curve	
	Oil change								
	PTS-Parktronic system	√	√	√	√	√	√	1. Read coding and change if necessary	
								Warning threshold in km or miles	
Warning threshold in days									
							Distance driven since last oil change		
							Days since last oil change		

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Menu		Functions							
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
Vito/V - Class (OBDII)	CDI	√	√	√	√		1.Read coding and transfer to new control module		
							2.Read/change coding		
							3.Erase coding ?		
							4.Identification		
	WSP	√	√	√	√	√	1.Parameterization		
							2.Parameterizing battery horn		
	KR	√	√	√	√	√	1.Rear hinged door		
							2.Tailgate		
							3.Individual parameterization	Rear window heater cut - off delay	
								Time period between wash and wiper	
								Final wipe time from end of keyin pulse	
								Final wipe time with R function	
Intermittent time at stage 1									
Intermittent time at stage 2									
Washer pump active with R function									

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Menu		Functions								
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others		
Vito/V-class Model designation 638	HZR	√	√	√	√	√	1.Parameterization	Equipment version		
		√	√	√	√	√		Engine versions		
		√	√	√	√	√		Temperature unit		
		√	√	√	√	√		Fault recognition		
		ZHE	√	√	√	√	√			
		ZHZ	√	√	√	√	√			
	ABS	√	√	√	√	√	√			
		AB	√	√	√	√				
		APS	√	√	√	√	√	√	1.Variant coding:Vehicle data	Vehicle model
										Tire size
										Tire condition
									2.Variant coding:Components	CD changer
								Bose sound system		
								Traffic data memory		
	ATA	√	√	√	√	√	√	1.Parameterization		
2.Parameterizing battery horn										
KI	√	√	√	√	√	√	1.Oil change			
	ME2	√	√	√	√	√				
	V6	√	√	√	√	√				
	AGN	√	√	√	√	√				
	CDI	√	√	√	√					
	WSP	√	√	√	√	√				

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Menu		Functions											
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others					
Vito/V - Class (38PIN)	KR	√	√	√	√	√	1.Rear hinged door						
							2.Tailgate						
							3.Individual parameterization	Rear window heater cut - off delay					
								Time period between wash and wiper					
								Final wipe time from end of keyin pulse					
								Final wipe time with R function					
								Intermittent time at stage 1					
								Intermittent time at stage 2					
								Washer pump active with R function					
							HZR	√	√	√	√	√	
							ZHE	√	√	√	√	√	
ZHZ	√	√	√	√	√								
ABS	√	√	√	√	√								
AB	√	√	√	√									
APS	√	√	√	√	√								
ERE、EVE、ASF	√	√	√	√	√								
ATA	√	√	√	√	√								
KI	√	√	√	√	√	1.Oil change							

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Menu		Functions						
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
	CDI3-4 Cylinder	√	√	√	√	√	1. Readign coding and change if necessary. 2. Adjustment of injector injection quantities/ Injector shutoff 3. Tire circumference parameter 4. Maximum vehicle speed limit 5. Externsion of run-on time	
	CDI4-4 Cylinder	√	√	√	√	√	1. Maximum vehicle speed limit 2. Circumference of tires 3. Adjustment of injector injection quantities 4. Initialization of system 'Air filter' 5. Initialization of system 'Air intake, turbocharging'	

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Menu		Functions						
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
	CDI4-6 Cylinder	√	√	√	√	√	1. Maximum vehicle speed limit 2. Circumference of tires 3. Adjustment of injector injection quantities 4. Initialization of system 'Air filter' 5. Initialization of system 'Air intake, turbocharging' 6. Initialization of system 'Diesel particulate filter' 7. Teach in used diesel particulate filter. 8. Regeneration of diesel particulate filter when driving	
	ETC-Electronic transmission control	√	√	√	√	√		
	ME-SFI - Motor electronics	√	√	√	√			
	ESP-Electronic stability program	√	√	√	√	√	Component B24/8 (Steering angle sensor): Perform Component B24/5 (Yaw rate, lateral and longitudinal Start-off assist	
	EIS-Electronic ignition switch	√	√	√	√			

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Menu		Functions						
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
	UCP-Upper control panel	√	√	√	√	√	1. Control unit replacement 2. Read coding and change if necessary	
	SAM-Signal acquisition and actuation module	√	√	√	√			
	SRS-Supplemental restraint system	√	√	√	√			
	IC-Instrument cluster	√	√	√	√	√	1. Coding. 2. Personalizing. 3. Read coding and change if necessary. 4. ASSYST settings 5. Learning to the drive authorization system 6. Setting main odometer forward and back 7. Perform oil change 8. Control unit replacement	

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Menu		Functions						
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
VITO/VIANO (OBDII)	ESA passenger- Electric seat adjustment passenger	√	√	√	√	√	1.Read coding and change if necessary. 2.Normalizing of forward/back adjustment 3.Normalizing of height adjustment at front 4.Normalizing of height adjustment at rear 5.Normalizing of head restraint adjustment 6.Normalizing of backrest adjustment	
	ESA driver- Electric seat adjustment driver	√	√	√	√	√	1.Read coding and change if necessary. 2.Normalizing of forward/back adjustment 3.Normalizing of height adjustment at front 4.Normalizing of height adjustment at rear 5.Normalizing of head restraint adjustment 6.Normalizing of backrest adjustment	
	ESD [STE]-L -Left electric sliding door	√	√	√	√	√	1.Detection of sliding movement 2.Denormalization 3.Normalizing	

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Menu		Functions						
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
Vito/VIANO Model designation 639 (OBDII)	ESD [STE]-R -Right electric sliding door	√	√	√	√	√	1.Detection of sliding movement 2.Denormalization 3. Normalizing	
	SDE-H - Rear sliding/tilting sunroof unit	√	√	√	√	√	1.Normalizing routine / Learning process 2.Adapt obstruction protection. 3.Coding of sliding/tilting roof function of 'automatic operation'	
	TPC-Tire pressure monitor	√	√	√	√	√		
	OCP-Overhead control panel	√	√	√	√	√	1.Normalizing routine / Learning process 2. Initialization of system 'EDW anti-theft alarm'	
	DCM-FL - Door control module front left	√	√	√	√	√	1、 Parameterization of N69/1 (Left front door control unit (DCM-LF [TSG-VL])) Power window	
	DCM-FR - Door control module front right	√	√	√	√	√	1、 Parameterization of N69/2 (Right front door control unit (DCM-RF [TSG-VR])) Power window	
	PTS-Parktronic system	√	√	√	√	√	1.Control unit replacement 2. Read coding and change if necessary	

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Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
	ENR - Electronic level control	√	√	√	√	√	1. Replace control module. (Only the calibration data are transferred.) 2. Level calibration	
	ESM-Electronic selector module	√	√	√	√	√		
	AAG Trailer connection unit	√	√	√	√	√		
	PTC - Electric heater control	√	√	√	√			
	REAR AC-Rear air conditioning/Rear heater	√	√	√	√	√	1. Perform normalizing of component A32/2m3 (Rear blending air flap actuator motor)	
	AAC-Automatic air condition/automatic temperature control/heating-ventilation	√	√	√	√	√	1. Normalizing of positioning motors	
	CDI-Common Rail	√	√	√	√	√	√	
	ME-SFI-Motor electronics	√	√	√	√			
	ETC-Electronic transmission control	√	√	√	√	√	√	
	ESP-Electronic stability program	√	√	√	√	√	√	
	TPC-Tire pressure monitor	√	√	√	√	√	√	

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Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
VITO/VIANO (CAN BUSII)	EIS - Electronic ignition switch	√	√	√	√				
	UCP-Upper control panel	√	√	√	√	√	1. Control unit replacement 2. Read coding and change if necessary		
	SAM - Signal acquisition and actuation module	√	√	√	√	√			
	SRS - Supplemental restraint system	√	√	√	√	√	√		
	IC - Instrument cluster		√	√	√	√	√	1. Coding	√
								2. Personalizing	√
								3. Setting main odometer forward	√
								4. Oil change	√
	COMMANDED		√	√	√				
	PTS-Parktronic system	√	√	√	√	√	√	1. Control unit replacement 2. Read coding and change if necessary	
DCM-FL - Door control module front left	√	√	√	√	√	√	1、 Parameterization of N69/1 (Left front door control unit (DCM-LF [TSG-VL])) Power window		
DCM-FR - Door control module front right	√	√	√	√	√	√	1、 Parameterization of N69/2 (Right front door control unit (DCM-RF [TSG-VR])) Power window		

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Menu		Functions						
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others
	AAC-Automatic air condition/automatic temperature control/heating-ventilation	√	√	√	√	√	1. Normalizing of positioning motors	
	PTC - Electric heater control	√	√	√	√			
	ENR - Electronic level control	√	√	√	√	√	1. Replace control module. (Only the calibration data are transferred.)	
	SDE-H - Rear sliding/tilting sunroof unit	√	√	√	√	√		
	ESA passenger- Electric seat adjustment passenger	√	√	√	√	√	1. Read coding and change if necessary. 2. Normalizing of forward/back adjustment	
	ESA driver- Electric seat adjustment driver	√	√	√	√	√	1. Read coding and change if necessary. 2. Normalizing of forward/back adjustment	
	ESD [STE]-L -Left electric sliding door	√	√	√	√	√	1. Detection of sliding movement 2. Denormalization	
	STH-Stationary heater/Heater booster	√	√	√	√	√		
	PSM Parameterizable special module	√	√	√	√			
	AAG Trailer connection unit	√	√	√	√	√		
	LWR Headlamp range adjustment	√	√	√	√	√	1. Calibrate control unit LWR	

SPRINTER V20.66Diagnostics List (Note:For reference only)

Menu		Functions							
Model	System	Sys. Info.	Read code	Clear code	Data stream	Actuation	Special Functions	Others	
	ESD [STE]-R -Right electric sliding door	√	√	√	√	√	1. Detection of sliding movement 2. Denormalization		
Sprinter (USA)(UP to 2000)	PCM - Power Control Module	√	√	√					
	TCM - Transmission Control Module	√	√	√					
	ABS - Anti-lock Braking System	√	√	√					
	FCM - Front Control Module	√	√	√					
	WCM - Wireless Control Module	√	√	√					
	OCM - Occupant Classification Module	√	√	√					
	ORC - Occupant Restraint Controller	√	√	√					
	CCN - Cabin Compartment Node	√	√	√					
	DDM - Driver Door Module	√	√	√					
HVAC - Heat Ventilation & A/C	√	√	√						

(*):Tested

(?):Manual on website(www.x431.com)

Note:The final interpretation of the products belongs to LAUNCH TECH CO.LTD