

## SPRINTER V10.09 Diagnostics List

Menu		Functions						
	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 for	Version
								Audible alarm system
								Analyzed inputs
								Number of repeat alarms activated by interior sensor
								Panic alarm output
		Body						
		Vehicle wheelbase						
		Permissible gross weight						
	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
							Unlocking of doors	
		Locking of vehicle when a door already locked is closed						
		2. Control module functions: Other body	Automatic locking of doors which are still open					

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Menu		Functions					
901.6 902.6 903.6 904.6 905.6 690.6							Locking in the case of opened doors
							Automatic locking by means of V signal
							3.Reset control module functions to standard settings
	ESP Electronic Stability Program	√	√	√	√		1.Parameterization
							Right-hand steering
							Model designation
							Wheelbase
							Retarder
							2.Automatic control module replacement
							3.Calibration of steering angle sensor
	ZHE auxiliary heater	√	√	√	√		
	ZHE-L auxiliary heater warm air	√	√	√	√		
	SSG Sprintshift transmission	√	√	√	√		4.Learn clutch
							Learning process for clutch closing point
						Learning process for clutch grip point	
						Learning process for clutch transmission index	
LPG Liquified Petroleum Gas	√	√	√	√		1.Automatic control module replacement	
RFH backup assist	√	√	√	√	√	1.Control unit adaptation	
ARS All-wheel system	√	√	√	√	√		
						1.Variant coding	
						Pollutant standard	
						Air conditioning	
						Tire size	
						2.Automatic control module replacement	
						3.Manual replacement of control module	
						4.Interlock control module.	

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Menu		Functions						
	ME-Motor electronics	√	√	√	√		Ignition RON (research octane number)	
							Fuel quantity	
							5. Correction programming	CO setting for vehicles without TWC
								Desensibilize shutoff threshold of smooth engine running.
							6. Maximum vehicle speed limit(HGB)	
	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	
ARW-Airbag/with/without/h	√	√	√		√	1. Parameterization	Parameterization of vehicle equipment	

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Menu							Functions			
Sprinter		ABS-Airbag with window bag	√	√	√	√	√	1.Parameterization	Parameterization of crash parameter set	
		ABS-Anti-lock braking system	√	√	√	√		1.Parameterization		
		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	√	√	√	√	√				
	901.0/3/4,902.0/3/4, 903.0/3/4,904.0/3/4	ERE, EVE, ASF	√	√	√	√	√	Identification		
		ATA - Anti-theft alarm system	√	√	√	√	√	Parameterization		
									Parameterizing battery horn	Netherlands (as per SCM) Standard
		WSP-immobilizer	√	√	√	√	√		Programming a new key	
								Programming / deleting keys	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			

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Menu							Functions		
							Audio\parameters	Speed-responsive volume adaptation	
								Volume adaptation for traffic program	
								Anti-theft diode	
								Afterrunning	
		ZHE-heater booster	√	√	√	√	√		
		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	
906 (Up to 2013)	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	
	ESP9_906	√	√	√	√	√	Component Sensor yaw rate,lateral and longitudinal	
	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	√	√	√	√	√	Control unit replacement N26/5 (ESL [ELV] control) Level calibration		
LWR_906	√	√	√	√		Initialization after component replacement 1.Calibrate control unit LWR		

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Menu							Functions	
	MRM_906	√	√	√	√	√		1.Initial startup
	OBF_906	√	√	√	√	√		1.Initial startup
	OBF2_906	√	√	√	√			1.Initial startup
	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/setting	
	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.	
	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	

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Menu		Functions						
Drive	CDI-Common Rail Diesel Injection	√	√	√	√	√	1. Drive authorization : Learning process (identification)	
							2. Tester identification	
							3. Control unit replacement	
	ECM-Engine Control module	√	√	√	√	√	1. Variant coding	Read coding and change if necessary
								Drive authorization
								Coding Cruise control
	ACS-Automatic clutch system	√	√	√	√	√	2. Default initialization	Coding according to plant data
							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	
						1. Bleeding		
						2. AKS setting		
						3. Engagement point determination		
						1. Control unit replacement	Control unit replacement: Saving coding in DAS	
						2. Control unit replacement: Save coding and load it into the new control module.	Control unit replacement: Transferring saved coding into new control module	



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Menu							Functions	
Vaneo		FTC-Front transmission control	√	√	√	√	√	Control unit replacement: Display of all stored data
			3.Adaptation	Definition				
				Display adaption data.				
				Resetting of adaptation data				
	4.Diagnosis routine	Performing adaptation if transmission replaced or transmission repaired						
		Service information:Noise reduction						
		Noise reduction						
							Force-free in position D	
		ESM-Electronic selector module	√	√	√	√	√	
	Chassis	ESP-Electronic stability program	√	√	√	√	√	1. Road test
Body	AB-Airbag							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 (Movabili	
							Only valid for vehicles with special equipment 'ZY6'	

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Menu		Functions						
								Days since last oil change
	PTS-Parktronic system	√	√	√	√	√	1.Read coding and change if necessary	
Seats and doors	CL - Central locking	√	√	√	√	√	1.Control unit replacement	
							2.Read coding and change if necessary	Doors
							3.Reset overload protection counter	Variant coding
Air conditioning	TAC - Automatic temperatur	√	√	√	√	√		
	STH - Stationary heater	√	√	√	√	√		
	ME2	√	√	√	√	√	1.Version coding	Erase coding
								Carry out identification without coding
							2.Correction program	Ignition
								Fuel quantity
								Time lag
								CO setting for models without TWC
								Electric induction fan
							Engine/Air conditioning	
							3.Self-adaptation	Boot strapping
								Reset sensor rotor adaptation
V6	√	√	√	√	√			
AGN	√	√	√	√	√			
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	

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Menu		Functions						
Body	ATA - Anti-theft alarm system	1. Coding of a new control module (movable)						Only valid for vehicles without special equipment 'ZY6'
		4. Coded vehicle data						Chassis number
		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 Reactivate key
		3. Read coding and change if necessary						
		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 Fuel tank characteristic curve Oil change
Information and communication	IC-Instrument cluster	4. ASSYST settings						Warning threshold in km or miles Warning threshold in days Distance driven since last oil change

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Menu							Functions			
Vito/V-class Model designation 638	Vito/V - Class (OBDII)	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	√	√	√	√	√	1.Parameterization	Equipment version	
									Engine versions	
									Temperature unit	
									Fault recognition	
		ZHE	√	√	√	√	√			
		ZHZ	√	√	√	√	√			
ABS	√	√	√	√	√					
AB	√	√	√	√	√					
APS	√	√	√	√	√	1.Variant coding:Vehicle data	Vehicle model			
							Tire size			
						2.Variant coding:Components	Tire condition			
							CD changer			
							Bose sound system			
Traffic data memory										
▲T▲	√	√	√	√	√	1.Parameterization				

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Menu							Functions		
Vito/V - Class (38PIN)	ATA	√	√	√	√	√	2.Parameterizing battery horn		
	KI	√	√	√	√	√	1.Oil change		
	ME2	√	√	√	√	√			
	V6	√	√	√	√	√			
	AGN	√	√	√	√	√			
	CDI	√	√	√	√				
	WSP	√	√	√	√	√			
	KR							1.Rear hinged door	
								2.Tailgate	
									Rear window heater cut - off delay
									Time period between wash and wipe
									Final wipe time from end of keyin pulse
								3.Individual parameterization	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	√	√	√	√	√				
EREEVEASF	√	√	√	√	√				
ATA	√	√	√	√	√				

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Menu		Functions					
	KI	√	√	√	√	√	1.Oil change
	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
	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

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Menu		Functions					
VITO/VIANO (OBDII)	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.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 replaceme
	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
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 modul 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
	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)	



**SPRINTER V10.09 Diagnostics List (Note: For reference only )**

Menu		Functions						
	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	√	√	√	√	√	√	
	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	

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Menu							Functions
VITO/VIANO (CAN BUSII)	DCM-FR - Door control module front right	√	√	√	√	√	1.Parameterization of N69/2 (Right front door control unit (DCM-RF [TSG- VR])) Power window
	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 s adjustment passenger	√	√	√	√	√	1. Read coding and change if neces: 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
	ESD [STE]-R -Right electric sliding door	√	√	√	√	√	1. Detection of sliding movement 2. Denormalization
	PCM - Power Control Module	√	√	√			
TCM - Transmission Control Module	√	√	√				

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Menu		Functions						
Sprinter(US A)(UP to 2000)	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	√	√	√				