



**Special Equipment Handbook** Model Year 2015  
*Descriptions of all Packages, Codes & Accessories*

**Note:**

This handbook provides all principal equipment codes available from the factory. It is intended to serve as an active aid during sales consultations.

It should assist in formulating key sales arguments to customers.

The index pages list the equipment code numbers and the code names in alphabetical order

The description pages explain technical features and their benefits in detail. Pictures are included where possible.

The model overview pages outline all available Sprinter variants with the corresponding model designations.

Complete 2D-drawings are available at:  
[www.UpfitterPortal.com](http://www.UpfitterPortal.com)

Sprinter Engineering Contact:  
[www.UpfitterPortal.com](http://www.UpfitterPortal.com)

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Illustrations may include accessories or equipment which is not part of the specification of the code to which they relate.

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The specifications, descriptions, information, and recommendations contained in this bulletin are believed to be accurate at time of publication.

Always consult with your Sprinter dealer.

**PACKAGE CODE DESCRIPTION:**

## Engine Packages:

- 4CE 4 Cylinder Engine/7-Speed Trans.
- 6CE 6 Cylinder Engine/5-Speed Trans.

## Customer Packages:

- C01 Driver Comfort Package
- C02 Driver Efficiency Package
- C03 Active Safety Plus Package
- C04 Active Safety Plus Pkg w/Parktronic
- C05 Premium Appearance Package
- C06 Workspace Access Package
- C07 Cargo Protection Package
- C08 Cold Weather Package
- C09 Rear Passenger Comfort Package

## Fleet Packages:

- F01 Swivel Seat Package (Fleet Only)
- F02 Window Fleet Package (Fleet Only)
- F03 Window Prep Package (Fleet Only)
- F04 Wide Step Bumper Package (Fleet Only)
- F05 Rear Wall Deletion Package (Fleet Only)
- F06 Interior Trim Package (Fleet Only)
- F07 Window Prep Package II (Fleet Only)
- F08 Lowered Roof Cutaway Pkg (Fleet Only)
- F09\* Shuttle Door Prep Package (Fleet Only)
- F10\* Ambulance Prep Package (Fleet Only)

## Specialized Packages:

- X01 Suspension Seating Package
- X02 Partition with Sliding Door w/ Jump Seat
- X03 Partition with Sliding Door No Jump Seat
- X04 Multi-function Wheel/Display Package
- X05 Front Bench Seat Package
- X06 High Idle Fixed Package
- X07 High Idle Variable Package
- X08 Front Heating Package I
- X09 Front Heating Package II
- X10 Auxiliary Heating Package
- X11 High Performance Air Conditioning Pkg
- X12 Crew Van Heating Package
- X13 Lighting Package
- X14 Mobility Prep Package
- X15 Window and Mirror Package
- X16 Parktronic Package
- X17 Suspension Package I
- X18 Suspension Package II
- X19 Suspension Package III
- X20 Suspension Package IV
- X21 Heavy Duty Front Axle Package
- X22 Trailer Hitch Package
- X23 Floor Package
- X24 Crew Cab Package
- X25 Rear Window Package
- X26 Spare Tire Deletion Package
- X27 Additional Battery Package
- X29\* High Range 4x4 (V6 Model)
- X30\* Low & High Range 4x4 (V6 Model)

**CODE DESCRIPTION:**

A50	Front axle reinforced	E46	12V Power outlet at driver seat base
AR2	Axle Ratio 1 : 3.923	ED4	AGM battery, 12V 95A
AR3	Axle Ratio 1 : 4.182	ED5	Parametric special module (PSM)
AR4	Axle Ratio 1 : 4.364	ED8	Preinstallation Parametric Special Module (PSM)
BB9	Electronic Stability Program (ESP9i)	EE8	Battery 12V 100 Amp
BE2	Handbrake lever, folding	EK1	Body Builder Connector under Driver Seat
C33	Firmer rear springs	EL8	Audio System Speakers, 5 Front
C38	Rear Springs (Single)	EL9	Audio System Speakers, 5 Front & 8 Rear
C39	Rear Springs (Dual)	EN6	Audio 10
C40	Stabilizer Front Axle	EN7	Audio 15
C42	Stabilizer, rear axle, under frame	ER0	Radio Prep
C43	Stabilizer, rear axle, reinforced	ES0	Jump Start Terminal
C45	Stabilizer, reinforced at front axle	ES2	12V Power outlet in load compartment
C47	Shock Absorbers Reinforced	EV6	Pre-Installation Becker Map Pilot Navigation
C72	Bumpers Front/Rear Primed	EZ8	Parktronic System (PTS)
CE8	Raised Rear Body Mounts	F28	Roof and rear wall deletion
CF2	Chassis for application A	F35	Window in cab rear wall
CF3	Chassis for application B	F46	Headlamp cleaning system
CF4	Chassis for application C	F49	Electronically Heated Windshield
CF5	Chassis for application D	F61	Interior rear view mirror
CF6	Springs and dampers, front, reinforced	F66	Lockable glove compartment
CL1	Adjustable Steering Wheel	F68	Heated and electrically adjustable mirrors
CL4	Multifunction Steering Wheel w/trip computer	FA1	Lowered cab roof
CL9	ECO power steering pump	FF3	Cup holders in passenger compartment
CM9	Primed Sidewall Moldings	FF4*	Storage compartment - Super High Roof
CT1	Rear Spring Vibration Absorbers	FF5	Shelf above Windscreen
D03	High Roof	FF8	Storage Slot at Front u/Roof Liner
D05*	Super High Roof	FI1	Remote Key Fob - 315MHZ
D13	Roof Rails	FJ1	Hinged lid for storage compartment
D50	Cargo Partition	FK3	Chrome Trimmed Radiator Grille
D51	Cargo Partition w/ Fixed Window	FR7*	Pre-wiring, rear view camera
D53	Cargo Partition w/ Sliding Window	FR8	Rear view camera
D62	Cargo Partition Provisions	FS2	Exterior Mirror Extended (96")
D64	Bulkhead with sliding door	FW1	Rear wall deletion - Chassis cab
D93	Omission Bulkhead	FY1	Security Alarm
E07	Start Off Assist	FZ9	Two additional master keys
E1N	Becker Map Pilot Navigation System	G40	5-Speed Automatic Transmission
E28	Additional battery for retrofit	G42	7G Tronic Automatic Transmission
E30	Starter Battery Disconnect		
E33	Battery Management		
E36	Cutoff relay for additional battery		
E40	Trailer Hitch Prep Package		



H00	Warm/Cool air duct to rear passenger compartment	L65	Interior Light, Cargo/passenger Compartment
H01	Heat Insulation rear compartment	L71	Light/motion sensor in load compartment
H04	Heat Insulation front compartment	L72	Electrical Pre-installation for Load Compartment Lighting
H08	Air conditioning rear, roof mounted	L76	Wire Harness Tail Lamp w/ext Wiring
H12	Fuel-fired pre-heater/booster (17,000 BTU)	L77	Wiring for additional Turn Signals
H13	Rear cabin heater and vents	L90	Tail Lamp Deletion
H15	Heated front passenger seat	L94	Parking Lights Deletion
H16	Heated driver seat	LA1	High Beam Assist
H20	Windshield - Tinted	LB5	Third Brake Light
H21	Windshield with filter band	LB9	Illuminated Exit
H22	Defroster - rear window	LD0	Overhead control panel with 2 reading lights
H72	Roof Fan - electric	LD4	Convenience lighting in passenger compartment
H88	Rear heater - prep	LG0	Bi-xenon headlamps
HH0	Air conditioning system pre-installation	LG6	Daytime Driving Lights
HH2	Heater - Auxiliary Elect Hot Air	LV6	Third Brake Light Prep
HH5	Part kit, A/C system	LV7	Clearance Light Prep
HH9	Air Conditioning - Front	M40	Alternator 14V/200A
HY1	Remote Control Aux Heater	M46	Alternator 14V/220A
HZ5	Heavy Duty Fuel-fired pre-heater / booster (34,000 BTU)	M47	Alternator for fuel economy
HZ9	Fuel-fired heater booster(17,000 BTU)	M53	High idle preset
J11	Speedometer km/miles	M60	Generator 14V/250A
J58	Sealt belt reminder for driver	MD3	Top-Speed Limitation to 74 mph
J65	Outside Temperature Gauge	MG3	Engine 2.1L 4-Cylinder BlueTEC Turbo Diesel
J78	Sealing of Speedometer Drive	MG5	Engine - 3.0L Turbo Diesel BlueTec
JA5	Light and Rain Sensor	MH5	SCR Emissions with 4.75 gal DEF Tank as well as EPA 14/CARB
JA6	Collision Prevention Assist	MH8*	SULEV Emissions
JA7	Blind Spot Monitoring	MS1	Cruise Control
JA8*	Crosswind Assist	MT4	High idle - driver adjustable
JK3	Pixel matrix display	MV6*	"V6" Badge on right rear cargo door
JP2	Driving Assistance Package	MZ0	Blueefficiency Badge
JW0	Alarm - Rear Backup	N62	PTO at front w/ bracket for additional Alternator
JW2	Deactivate Lamp Monitoring Failure	N63	Bracket for aux A/C Compressor
JW5	Lane Keeping Assist	N81	Refrigerant Compressor (KMV)
K60	Exhaust Straight to Rear	P08	Cover for transport
KB0	Fuel Tank - 26.4 gallon	P47	Front Mud Flaps
KB7*	Fuel Tank - 24.5 gallon	P48	Rear Mud Flaps
KL1	Aux Fuel Sending Unit w/ Fuel tap	Q18	End Cross Member Bolted
KL5	Fuel Filter w/Water separator		
KP1	Fuel Pump, electric		
L16	Fog lamps		
L49	LED Identification Lamps, Roof Mounted		
L63	Ceiling Lights in Rear Compartment, LED		

Q24	Trailer Cross Member with capacity of 5000 lbs	SH9	Air Bag - Window Drv /Co-Drv
Q67	Tow Hook Rear	SR8	Swivel base for driver seat
Q72	End Cross Member deleted	SR9	Swivel base for front passenger seat
QA2	Trailer Cross Member with capacity of 7500 lbs	SZ7	Storage Net, driver seat backrest
R60	Spare Wheel Carrier Provision to Frame	SZ8	Storage Net, passenger seat backrest
R65	Spare Tire Carrier - Under Frame	T09	Sliding Door Ext Track
R87	Spare Tire - Steel	T12	Sliding door, two stage opening
R91	Spare wheel deletion	T16	Sliding Door - Right Side
R92	Spare tire carrier deletion	T19	Sliding Door - Left Side
R98	Rims - Painted Jet Black	T57	Electric Step, Right Sliding Door
RF1	Tire Brand - CONTINENTAL	T74	Assist handle, sliding door
RH0	Tire Brand - KUMHO	T75	Door-mounted assist handles, driver & passenger
RH7	Tires LT215/85 R16	T77	Assist handle w/ partition
RH8	Tires LT245/75 R16	T85	Assist handle, left rear door
RL5	Light alloy wheels	T86	Assist handle, right rear door
RM0	Tires, All Season	T93	Sliding Door - Right Side delete
RM1	Tires, M&S Winter Tire	U62	Three Seater Bench in passenger first row narrow
RM2	Wheels - Painted Artic White	U74	Seat armrest, rear seats left
RM9	Make of Tires as an Option	U75	Seat armrest, rear seats right
RS3	Wheel Steel 6.5 X 16	UC3	Rear Seats Second Row, three seats, narrow
RS6	Wheel Steel 5.5 X 16	UD6	Rear Seats Third Row, four seats
RY2	Tire Pressure Monitor Lamp	V07	Rear wall liner - partition cab back
S04	Adjustable Front Passenger Seat	V21	Luxury interior trim
S20	Passenger seat foldable	V25	Half Height Load Compartment Trim
S22	Seat Armrest - Driver Seat	V31	Window Pillar trim
S23	Twin front passenger seat	V35	Rear roof trim
S25	Seat Armrest - Passenger Seat	V36	Rear trim
S62	Orange Seat Belt	V39	Weight Optimized Plastic Floor
S78	Assist handle for inner seat	V40	Passenger seat anchors and floor
S87	Driver seat frame, low	V42	Cargo lashing rails, waist line
S88	Passenger seat frame, low	V43	Cargo Van wood floor
S99	Passenger Seat Pedestal & Airbag deletion	V46	Rear floor covering, rubber
SA5	Front Air Bag - Driver	V64	Ashtrays - Rear
SA6	Front Air Bag - Passenger	V85	Ashtrays - Front
SB1	Comfort seat, driver	V93	Wood Floor, delete
SB2	Comfort seat, passenger	VA1	Side wall paneling waist height PVC
SB3	Driver Suspension seat, comfort version	VA3	Side wall paneling, full hardboard
SB4	Passenger Suspension seat, comfort version	VA7	Storage compartment with net in rear doors
SD0	ISO Fix Child Seat	VC4	Cargo lashing rails, upper
SD2	Seat belt mount deletion	VC5	Door Sill Protective Edge
SH6	Air Bag - Thorax Driver (Backrest)	VU9	Leatherette Black
SH7	Air Bag - Thorax Drv /Co-Drv	VV2	Load securing rail system

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VY2	Black Tunja Upholstery	W93	Rear Side Window Openings w/o Glass
W02	Panel van w/windows all round	W94	Window openings w/o Glass
W16	Fixed window at front left sidewall in left side sliding load compartment door	X90	Badging - Rear Door Deletion
W17	Fixed window at front right sidewall in right side sliding load compartment door	X93	Badging - Side Door Deletion
W22	Fixed window, center left	XB3	GVWR 9,990 LBS
W23	Fixed window, center right	XB5	GVWR 11,030 LBS
W27	Fixed window, rear left	XL8	GVWR 8,550 LBS
W28	Fixed window, rear right	XW6	Front License Plate Delete
W33	Window - Left Side Front Emergency Exit	Y10	First aid kit
W54	Rear Doors 270 Degree Opening	Y26	Wheel Chocks
W61	Windows in tailgate/rear doors	Y43	JACK - Hydraulic
W70	Black Tinted Windows in Rear	Y45	Emergency Flash Light
W73	Rear door step	YK3	Cargo straps, D-rings
W75	Step, wide, at rear end	YK4	Cargo Straps - Lashing Rails
W76	Rear Bumper - Steel, Spring Loaded	ZE6	Shelving Prep
W78	Window Rear Door w/Wash-Wipe	ZG1*	4x4 High Range
		ZG3*	4x4 High Range w/ low range transfer case

\* denotes addition and/or modification over MY 2014

**DEALER INSTALLED ACCESSORIES:**

B66570012	All-Season Floor Mats, (Rubber) Black, Driver & Passenger Mat
B66570009	All-Season Floor Mats, (Rubber) Black, Driver & Passenger Mat, (w/ Code H00)
B66359841	Ripped Carpeted floor mats, Set of 3 (Black) Driver, Pass & Center
B66359843	Ripped Carpeted floor mats, Set of 3 (Black) Driver, Pass & Center ( w/ Code H00)
B66359842	Ripped Carpeted floor mats, Set of 3 (Black) Driver, Pass. Bench ( w/ Code S23)
B66560963	Carpeted Velour floor mats, anthracite, Driver's, Passenger and Center
B66560965	Carpeted Velour floor mats, anthracite, Driver's, Passenger and Center (w/Code H00)
B66560964	Carpeted Velour floor mats, anthracite, Driver's, Pass. Bench (w/Code S23)
B66560966	Carpeted Velour floor mats, anthracite, Driver's, Pass. Bench (w/Code S23 & H00)
B66560752	C-rail for 144" WB
B66560753	C-rail for 170" WB
B66560754	C-rail for 170" EXT WB
B66560800	Basic Carrier Bar, One Crossbar, with Two Supports
B66560801	Basic Carrier Bars, Three Crossbars, with Six Supports
B66561014	Cargo Rack, for high roof , Front and Rear Module, w/out supports
B66560813	Cargo Rack, for high roof, center section, w/out supports (Required 170"& 170"Ext WB)
B66561013	Cargo Rack, for standard roof, front and rear Module, w/out supports
B66560811	Cargo Rack, for Standard Roof (LH1), center section, w/out supports
B66560814	Supports, 1 pair (Cargo Rack Required)
B66560815	Supports, 3 pairs (Cargo Rack Required)
B66560807	Ladder Rack, Black, for Standard Basic Carrier Bars
B66560816	Loading Roller, for Basic Carrier Bars or Cargo Rack
B66560806	High-Standing Bracket Set, Black, for Basic Carrier Bars
B66560104	Side Windows Wind Deflector, Acrylic Glass
B66560921	Stowage Box, in Twin Passenger Seat
B66560388	Writing surface, Clipboard for steering wheel
B66560748	Ratchet Strap, with Two Double-Stud Rings
B66560749	Double Stud rings (set of 4) without strap
B66560817	Quadruple-stud Rings for floor rails, without strap
A0008900294	Tie-down strap, Black
A0008140132	Coat Hanger, Chrome / Black
A9069000402	Becker ® MAP PILOT - Navigation module
A9063102495	Trailer Hitch Kit Q24 (5,000lbs), 2500 Vans, all wheel bases
A9063102595	Trailer Hitch Kit Q24 (5,000lbs), 3500 Van, 170"WBExt
A9063102695	Trailer Hitch Kit QA2 (7,500lbs), 3500 Van, 144"WB
A9063102795	Trailer Hitch Kit QA2 (7,500lbs), 3500 Cab Chassis, all wheel basis
A9063102895	Trailer Hitch Kit QA2 (7,500lbs), 3500 Van, 170" WB
A9034400084	Electrical Kit, Sprinter - (Already included in all trailer hitch kits)

**Vehicle and model designations**

Mercedes Model	Freightliner Model	Description
M2CA144	F2CA144	SPRINTER 2500 Cargo Van 144" WB
M2CA170	F2CA170	SPRINTER 2500 Cargo Van 170" WB
M2CA170E	F2CA170E	SPRINTER 2500 Cargo Van 170" WB Ext
M3CA144	F3CA144	SPRINTER 3500 Cargo Van 144" WB
M3CA170	F3CA170	SPRINTER 3500 Cargo Van 170" WB
M3CA170E	F3CA170E	SPRINTER 3500 Cargo Van 170" WB Ext
M2CV144	F2CV144	SPRINTER 2500 Crew Van 144" WB
M2CV170	F2CV170	SPRINTER 2500 Crew Van 144" WB
M2PV144	F2PV144	SPRINTER 2500 Passenger Van 144" WB
M2PV170	F2PV170	SPRINTER 2500 Passenger Van 170" WB
M3CC144	F3CC144	SPRINTER 3500 Chassis Cab 144" WB
M3CC170	F3CC170	SPRINTER 3500 Chassis Cab 170" WB

**Tonnage Rating Guide, Truck Classification**

Sprinter Models	GVWR	Ton Rating	Weight Class
Sprinter 2500 Cargo	8,550 lbs	1 Ton	Light HD (Class 2b)
Sprinter 2500 Passenger Van	8,550 lbs	1 Ton	Light HD (Class 2b)
Sprinter 3500 Cargo	9,990 lbs	1 Ton	Light HD (Class 2b)
Sprinter 3500 Cargo	11,030 lbs	1.5 Ton	Light HD (Class 3)
Sprinter 3500 Chassis Cab	11,030 lbs	1.5 Ton	Light HD (Class 3)

# Package Codes

4CE – X30

**4 Cylinder Engine / 7-Speed Transmission****Package Contents**

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CL9	ECO Power steering pump
E33	Battery Management
G42	7G Tronic Automatic Transmission
KP1	Fuel Pump, electric
MG3	Engine 2.1L 4-Cylinder BlueTEC turbo diesel
M47	Alternator for fuel economy
N81	Refrigerant Compressor (KMV)

**Remarks**

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

**6 Cylinder Engine / 5-Speed Transmission****Package Contents**

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- EE8 Battery 12V 100Amp
- G40 5-Speed Automatic Transmission
- MG5 Engine 3.0L V6 BlueTEC turbo diesel
- MV6 "V6" badge on right rear cargo door
- M46 Alternator 14V/220V

**Remarks**

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.



## Driver Comfort Package



### Package Contents

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- E46 12V Power outlet at driver seat base
- FJ1 Hinged lid for storage compartment
- FZ9 Two additional master keys
- SB1 Comfort seat, driver
- SB2 Comfort seat, passenger

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Driver Efficiency Package



### Package Contents

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- E1N Becker Map Pilot Navigation System
- F66 Lockable glove compartment
- FR8 Rear view camera
- L16 Fog lamps
- MS1 Cruise Control

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Active Safety Plus Package



### Package Contents

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CL4	Multifunction Steering Wheel w/trip computer
JA5	Light and Rain Sensor
JP2	Driving Assistance Package
	Elements include:
	<ul style="list-style-type: none"><li>• JA7 Blind Spot Monitoring</li><li>• JA6 Collision Prevention Assist</li><li>• JW5 Lane Keeping Assist</li><li>• LA1 High Beam Assist</li></ul>
JK3	Pixel matrix display
F68	Heated and electrically adjustable mirrors
H21	Windshield with filter band
LD0	Overhead control panel with 2 reading lights
Y10	First aid kit
Y45	Emergency Flash Light

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Active Safety Plus Package w/ Parktronic



### Package Contents

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CL4	Multifunction Steering Wheel w/trip computer
EZ8	Parktronic System (PTS)
JA5	Light and Rain Sensor
JP2	Driving Assistance Package
	Elements include:
	<ul style="list-style-type: none"><li>• JA7 Blind Spot Monitoring</li><li>• JA6 Collision Prevention Assist</li><li>• JW5 Lane Keeping Assist</li><li>• LA1 High Beam Assist</li></ul>
JK3	Pixel matrix display
F68	Heated and electrically adjustable mirrors
H21	Windshield with filter band
LD0	Overhead control panel with 2 reading lights
Y10	First aid kit
Y45	Emergency Flash Light

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Premium Appearance Package



### Package Contents

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- F46 Headlamp cleaning system
- LG0 Bi-xenon headlamps
- RL5 Light alloy wheels

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Workspace Access Package (Fleet only)



### Package Contents

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- E28 Additional battery for retrofit
- E36 Cutoff relay for additional battery
- ES2 12V Power outlet in load compartment
- L63 Ceiling lamp in load compartment
- T74 Assist handle, sliding door
- T85 Assist handle, left rear door
- T86 Assist handle, right rear door
- W73 Rear door step

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Cargo Protection Package



### Package Contents

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- T12 Sliding door, two stage opening
- V42 Cargo lashing rails, waist line
- VA3 Side wall paneling, full hardboard
- VC4 Cargo lashing rails, upper
- VV2 Load securing rail system
- YK3 Cargo straps, D-rings

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Cold Weather Package



### Package Contents

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- H01 Insulation rear compartment
- H04 Insulation front compartment
- H15 Heated front passenger seat
- H16 Heated driver seat
- H22 Defroster - rear window
- HZ9 Fuel-fired heater booster (17,000 BTU)

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.



## Rear Passenger Comfort Package



### Package Contents

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- ED4 AGM battery, 12V 95A
- FF3 Cup holders in passenger compartment
- H08 Air conditioner rear, roof-mounted
- LD4 Convenience lighting in passenger compartment
- U74 Seat armrest, rear seats left
- U75 Seat armrest, rear seats right
- W73 Rear door step

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Swivel Seat Package (Fleet only)



### Package Contents

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BE2	Handbrake level, folding
S87	Driver's seat frame, low
S88	Passenger seat frame, low
SB1	Comfort driver's seat
SB2	Comfort passenger seat
SD2	Seat belt mount deletion
SR8	Swivel base for driver's seat
SR9	Swivel base for front passenger seat

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

**Window Fleet Package (Fleet only)****Package Contents**

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- H22 Defroster - rear window
- VA7 Storage compartment with net in rear doors
- W02 Panel van w/windows all round
- W16 Fixed window at front left sidewall in left side sliding load compartment door
- W17 Fixed window at front right sidewall in right side sliding load compartment door
- W22 Fixed window, center left
- W23 Fixed window, center right
- W27 Fixed window, rear left
- W28 Fixed window, rear right
- W61 Windows in tailgate/rear doors

**Remarks**

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Window Prep Package (Fleet only)



### Package Contents

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H22	Defroster - rear window
P08	Cover for transport
VA7	Storage compartment with net in rear doors
W02	Panel Van w/windows all round
W16	Fixed window at front left sidewall in left side sliding load compartment door
W17	Fixed window at front right sidewall in right side sliding load compartment door
W22	Fixed window, center left
W23	Fixed window, center right
W27	Fixed window, rear left
W28	Fixed window, rear right
W61	Windows in tailgate/rear doors
W94	Window openings w/o glass

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

**Wide Step Bumper Package (Fleet only)****Package Contents**

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R91 Spare wheel deletion

R92 Spare tire carrier deletion

W75 Step, wide, at rear end

**Remarks**

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Rear Wall Deletion Package (Fleet only)



### Package Contents

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FW1 Rear wall deletion – Chassis cab

P08 Cover for transport

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Interior Trim Package (Fleet only)



### Package Contents

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- V21 Luxury interior trim
- V36 Roof trim
- V64 Ashtray, rear

### Remarks

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Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Window Prep Package II (Fleet only)



### Package Contents

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H22	Defroster - rear window
P08	Cover for transport
VA7	Storage compartment with net in rear doors
W02	Panel Van w/ windows all round
W16	Fixed window at front left sidewall in left sliding load compartment door
W17	Fixed window at front right sidewall in right sliding load compartment door
W22	Fixed window, center left
W23	Fixed window, center right
W27	Fixed window, rear left
W28	Fixed window, rear right
W61	Windows in tailgate/rear doors
W93	Side window openings w/o glass

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.



## Lowered Roof Cutaway Package (Fleet only)



### Package Contents

---

FA1	Lowered cab roof
FW1	Rear wall deletion
F28	Roof and rear wall deletion
P08	Cover for transport
ZR5	Special prep- end of roof line

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Shuttle Door Prep Package (Fleet only)



### Package Contents

---

- SD2 Seat belt mount deletion
- S91 Passenger seat deleted
- S99 Passenger seat pedestal and airbag – deletion

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Ambulance Prep Package (Fleet only)



### Package Contents

---

- E46 12 V Power outlet driver seat base
- FZ9 Keys, two additional masters
- SB1 Comfort driver's seat
- SB2 Comfort passenger's seat
- E28 Additional battery for retrofit
- E36 Cutoff relay for additional battery
- ED5 Parametric Special Module
- M53 High idle preset
- F68 Heated and electrically adjustable mirrors
- MS1 Cruise Control
- N63 Bracket for aux. AC compressor
- S62 Seat belts orange, driver and fr. pass
- D03 High roof
- H22 Defroster - rear window
- W17 Fixed window at front right sidewall in right side sliding load compt. door
- W61 Windows in tailgate/rear doors

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Suspension Seating Package



### Package Contents

---

- S87 Driver's seat frame, low
- S88 Passenger seat frame, low
- SB3 Driver suspension seat, comfort version
- SB4 Passenger suspension seat, comfort version

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

**Partition with Sliding Door & Passenger Jump Seat Package****Package Contents**

---

- D64 Bulkhead with sliding door
- S20 Passenger seat foldable
- S99 Passenger seat pedestal and airbag - deletion
- T77 Assist handle w/ partition

**Remarks**

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

**Partition with Sliding Door w/out Pass. Jump Seat****Package Contents**

---

- D64 Bulkhead with sliding door
- SD2 Seat belt mount deletion
- S91 Passenger seat deleted
- S99 Passenger seat pedestal and airbag - deletion
- T77 Assist handle w/ partition

**Remarks**

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Multi-function Wheel/Display Package



### Package Contents

---

- CL4 Multifunction steering wheel
- JK3 Instrument cluster w/ pixel-matrix display

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Front Bench Seat Package



### Package Contents

---

- S23 Twin front passenger seat
- S78 Assist handle for inner seat

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.



## High Idle Fixed Package



### Package Contents

---

ED5 Parametric special module (PSM)

M53 High idle preset

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## High Idle Variable Package



### Package Contents

---

- ED5 Parametric special module (PSM)
- MT4 High idle – driver adjustable

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Front Heating Package I



### Package Contents

---

- H04 Heat Insulation for front compartment
- H12 Fuel-fired pre-heater/booster (17,000 BTU)
- V07 Rear wall liner – partition cab back

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Front Heating Package II



### Package Contents

---

- H04 Heat Insulation for front compartment
- HZ9 Fuel-fired heater booster (17,000 BTU)
- V07 Rear wall liner – partition cab back

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Auxiliary Rear Heating Package



### Package Contents

---

H12 Heater – auxiliary front 5 kW

H88 Rear heater - prep

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## High Performance Air Conditioning Package



### Package Contents

---

#### Passenger Van:

- ED4 AGM battery, 12V 95A
- H08 Air conditioning rear, roof-mounted

#### Cargo and Crew Vans:

- ED4 AGM battery, 12V 95A
- HH0 Air conditioning system pre-installation
- HH5 Parts kit, A/C system

#### Note:

Because of a different documentation on Cargo and Crew Vans: **HH0+HH5 = H08**

### Remarks

---

Increase the overall height of the vehicle by approx. 220mm [approx. 9inches].

The rear A/C includes a roof liner.

**See H08 for a full rear A/C description.**

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Crew Van Heating Package



### Package Contents

---

- H00 Warm/cool air duct to rear compartment
- H01 Heat insulation for rear compartment
- H04 Heat insulation for front compartment
- HZ9 Fuel-fired heater booster (17,000 BTU)

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Lighting Package



### Package Contents

---

LG0 Bi-xenon headlamps U.S.

F46 Headlamp washing system

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.



## Mobility Prep Package



### Package Contents

---

D03	High Roof
E28	Additional battery for retrofit
E36	Cutoff relay for additional battery
E46	12V Power outlet at driver seat base
ED5	Parametric special module (PSM)
ES2	12V Power outlet rear compartment
H00	Warm/Cool air duct to rear compartment
H22	Defroster - rear window
V31	Window Pillar trim
V36	Rear trim
VA1	Side wall paneling waist height PVC
VA7	Storage compartment with net in rear doors
W02	Panel van w/windows all round
W16	Fixed window at front left sidewall in left side sliding load compartment door
W17	Fixed window at front right sidewall in right side sliding load compartment door
W22	Fixed window, center left
W23	Fixed window, center right
W27	Fixed window, rear left
W28	Fixed window, rear right
W61	Windows in tailgates/rear doors

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Windows and Mirror Package



### Package Contents

---

- F35 Window in cab rear wall
- F61 Interior rear view mirror

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Parktronic Package



### Package Contents

---

- EZ8 Parktronic System (PTS)
- F68 Heated and electrically adjustable mirrors

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Suspension Package I



### Package Contents

---

- C42 Stabilizer, rear axle, under frame
- C43 Stabilizer, rear axle, reinforced
- C45 Stabilizer, reinforced at front axle
- CF4 Chassis for application C
- CF6 Springs and dampers, front, reinforced

#### Note:

For a full description please refer to the individual code pages.

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer. Package content may change without notice.

### Recommended for:

---



#### 3500 Chassis Cab:

- Most Box Bodies
- Heavy Bus Bodies
- Modular Ambulance (144")
- Modular Armored Truck (144")



#### 2500 Cargo Van:

- *Not Recommended for light loads*
- Expeditors
- Cargo Lift Installations (170")
- Refrigerated Vans
- Van Conversions on 170"Ext



#### 3500 Cargo Van:

- *Not Recommended for <3,000lbs Load*
- RV (B-Class)
- Armoring
- Command Center & Broadcast Vans

## Suspension Package II



### Package Contents

---

- C33 Firmer rear springs  
CF5 Chassis for application D  
CF6 Springs and dampers, front, reinforced

**Note:**

Chassis Cab only suspension

For a full description please refer to the individual code pages.

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.. Package content may change without notice.

### Recommended for:

---

**3500 Chassis Cab:**

- RV (Class A & Class C)
- Upfits with long overhang and at constant max GVWR
- Box Bodies with Cargo Lift

## Suspension Package III



### Package Contents

---

- CF2 Chassis for application A  
C42 Stabilizer, rear axle, under frame  
C45 Stabilizer, reinforced at front axle

**Note:**

X19 is standard on 2500 Cargo Van with 144" wheelbase and all 3500 Cab Chassis. For a full description please refer to the individual code pages.

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer. Package content may change without notice.

### Recommended for:

---

**3500 Chassis Cab:**

- Platform Bodies
- Service Bodies
- Stake Bodies

**2500 Cargo Van:**

- Ambulance 144"
- Light Van Conversions
- Mobile Office

**3500 Cargo Van:**

- Light Van Conversions
- Mobile Office
- Light to Medium Upfits without high Center of Gravity

## Suspension Package IV



### Package Contents

---

- CF3 Chassis for application B  
C43 Stabilizer, rear axle reinforced  
C45 Stabilizer, reinforced at front axle

**Note:**

3500 Sprinter Cargo & Chassis Cab only.  
For a full description please refer to the individual code pages.

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer. Package content may change without notice.

### Recommended for:

---

**3500 Chassis Cab:**

- Long Shuttle Bodies
- Typical Dry Box without Rear Lift
- Medium Length and Payload Upfits

**3500 Cargo Van:**

- Rear Cargo Lift (170" & 170" Ext.)
- Limousines (170" Ext.)
- Refrigeration Vans
- Book Mobile or Long Upfits with High CG

## Heavy Duty Front Axle Package



### Package Contents

---

- A50 Front axle reinforced
- CF6 Springs and dampers, front, reinforced

**Note:** Only available on 3500 Cargo and Cab Chassis.

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer. For a full description please refer to the individual code page. Package content may change without notice.

### Recommended for:

---

- Increases GAWR FR by 150kg (330 lbs) to a total of 4,410 lbs.
- Recommended mainly in addition to X17 for Upfits that require more weight distribution on the front axle
- Not Recommended for vehicles that have no constant increased front axle load



## Trailer Hitch Package



### Details & Technology

---

**Cargo 2500 (all WB)****Cargo 3500 170ext WB****Passenger Vans (all WB):**

- E40 Trailer hitch prep package
- Q24 Trailer cross member 5,000 lbs capacity

**Cargo 3500 with 144 WB and 170 WB****Chassis Cab (all WB):**

- E40 Trailer hitch prep package
- QA2 Trailer cross member 7,000 lbs capacity

**Note:**

The trailer hitch wiring E40 supports the wiring of an aftermarket trailer brake controller. Please review the “**Trailer Brake Control Prep**” on the [www.UpfitterPortal.com](http://www.UpfitterPortal.com).

**Remarks**

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Floor Package



### Package Contents

---

- V35 Wheel house covering
- V46 Rear floor covering, rubber
- V43 Cargo Van wood floor

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Crew Cab Package



### Package Contents

---

- E46 12 V Power outlet driver seat base
- ES2 12 V Power outlet load compartment
- FF3 Cup holder in passenger compartment
- H00 Warm/Cool air duct to rear compartment
- SD0 ISO Fix child seat
- U62 Three seater bench in passenger first row narrow
- U74 Seat armrest, rear seats left
- U75 Seat armrest, rear seats right
- V36 Rear trim
- V40 Floor anchors for rear seat bench
- W16 Fixed window at front left sidewall in left side sliding load compartment door
- W17 Fixed window at front right sidewall in right side sliding load compartment door

### Remarks

---

Approx Cargo Bed length:

- 144WB: 89.5in
- 170WB: 130.3in

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Rear Window Package



### Package Contents

---

VA7 Storage compartment with net in rear doors

W61 Windows in tailgate/rear doors

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Spare Tire Deletion Package



### Package Contents

---

R91 Spare wheel deletion

R92 Spare tire carrier deletion

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

## Additional Battery Package



### Package Content

---

- E28 Additional battery for retrofit
- E36 Cutoff relay for additional battery

### Remarks

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

**High Range 4x4 (V6 Models Only)****Package Content**

---

- C42 Stabilizer, rear axle, under frame
- C45 Stabilizer reinforced at front axle
- KB7 24.5 gallon fuel tank  
Deletion of BlueEfficiency Badge
- T75 Door-mounted assist handles, driver & passenger
- ZG1 4x4 - High Range

**Remarks**

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.

**Low & High Range 4x4 (V6 Models Only)****Package Contents**

---

- C42 Stabilizer, rear axle, under frame
- C45 Stabilizer reinforced at front axle
- KB7 24.5 gallon fuel tank  
Deletion of BlueEfficiency Badge
- T75 Door-mounted assist handles, driver & passenger
- ZG3 4x4 - High Range w/low range transfer case

**Remarks**

---

Depending on model variant some options may not be available or included. Please always consult your Sprinter dealer.

For a full description please refer to the individual code page.

Package content may change without notice.



# **Code Descriptions**

A50 – ZG3

## Front axle reinforced



### Details & Technology

---

On all 3500 vehicles with 9,990 lbs and 11,030 lbs gross vehicle weight rating GVWR, the front gross axle weight rating GAWR.FA is increased from the standard 4,080 lbs to 4,410 lbs.

### Benefits & Arguments

---

- Allows heavier cab bodies and equipment that impose a greater strain on the front axle
- Higher front axle load distribution possible
- The higher-capacity front axle allows heavier cabs and special equipment

### Remarks

---

Recommended for:

- RVs
- Armored Vehicles on Van
- All vehicles with a need for higher front axle load rating

## Axle Ratio 1 : 3.923



### Details & Technology

---

Each vehicle is specified with an appropriate final-drive ratio, which varies according to model/engine version. The standard final-drive ratio is matched to the particular model version, taking the factors of economy, exhaust emissions, torque and maximum speed into account. However, depending on the actual operating profile, another ratio may be more appropriate.

### Benefits & Arguments

---

- Matching of tractive force and top speed to the corresponding application
- Optimisation of fuel consumption based on configuration of the drive train, vehicle application and operating rate as well as the topography of the transport routes

A lower final-drive ratio provides more torque at the wheels and is recommended e.g. for frequent hill-climbing or if the vehicle will be regularly used with a trailer. Although a higher final-drive ratio provides less torque, it offers a higher top speed and can be recommended, for example, for constant-speed motorway driving in flat terrain.

### Remarks

---

Standard on 2500 models.

## Axle Ratio 1 : 4.182



### Details & Technology

---

Each vehicle is specified with an appropriate final-drive ratio, which varies according to model/engine version. The standard final-drive ratio is matched to the particular model version, taking the factors of economy, exhaust emissions, torque and maximum speed into account. However, depending on the actual operating profile, another ratio may be more appropriate.

### Benefits & Arguments

---

- Matching of tractive force and top speed to the corresponding application
- Optimization of fuel consumption based on configuration of the drive train, vehicle application and operating rate as well as the topography of the transport routes

A lower final-drive ratio provides more torque at the wheels and is recommended e.g. for frequent hill-climbing or if the vehicle will be regularly used with a trailer. Although a higher final-drive ratio provides less torque, it offers a higher top speed and can be recommended, for example, for constant-speed motorway driving in flat terrain.

### Remarks

---

Standard on 3500 models.

## Axle Ratio 1 : 4.364



### Details & Technology

---

Each vehicle is specified with an appropriate final-drive ratio, which varies according to model/engine version. The standard final-drive ratio is matched to the particular model version, taking the factors of economy, exhaust emissions, torque and maximum speed into account. However, depending on the actual operating profile, another ratio may be more appropriate.

### Benefits & Arguments

---

- Matching of tractive force and top speed to the corresponding application
- Optimization of fuel consumption based on configuration of the drive train, vehicle application and operating rate as well as the topography of the transport routes

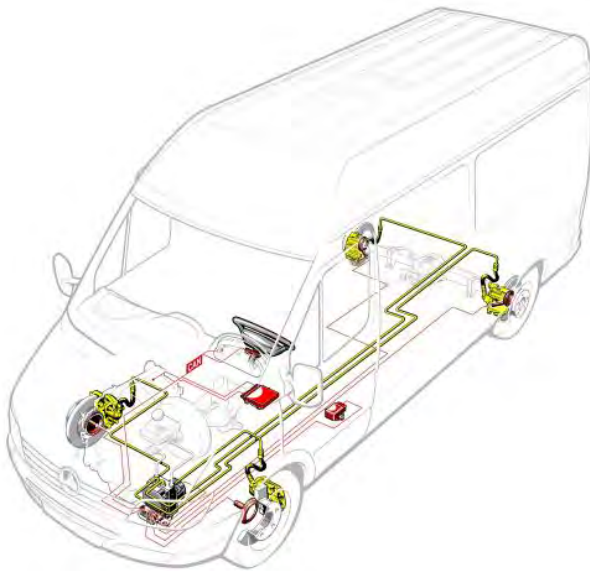
A lower final-drive ratio provides more torque at the wheels and is recommended e.g. for frequent hill-climbing or if the vehicle will be regularly used with a trailer. Although a higher final-drive ratio provides less torque, it offers a higher top speed and can be recommended, for example, for constant-speed motorway driving in flat terrain.

### Remarks

---

Available on 4 Cylinder 3500 Vehicles **only**. Must have 4CE package.

## Electronic Stability Program (ESP 9i<sup>®</sup>) - Adaptive



### Details & Technology

The adaptive Electronic Stability Program ESP<sup>®</sup> Version 9i has a better braking performance in the wet (Brake Disc Wipe) and a faster braking response (Electronic Brake Prefill) in an emergency than the preceding version. Pedal feedback and noise characteristics have also improved:

#### **Brake Disc Wipe:**

In rainy conditions the brakes are slightly engaged to wipe water of the brake discs, so that full braking performance is assured in the event of hard braking.

#### **Electronic Brake Prefill:**

If the driver's foot is suddenly and rapidly removed from the accelerator, the brakes are lightly engaged to eliminate the air gap between the brake pad and disc. This ensures that full brake performance is available in the event of hard braking.

**EBD - electronic brake force distribution:**

This system helps to prevent the rear wheels from locking before the front wheels, when braking.

**ABS – anti-lock braking system:**

Helps to prevent the wheels from locking.

**ASR – acceleration skid control:**

Regulates wheel spin by intervening in the engine management and by braking the driving wheels. A deactivation switch allows engine intervention to be switched off at lower speeds and the slip threshold to be raised.

**BAS – Brake Assist:**

If an emergency braking situation is detected, this system actively increases braking pressure up to the slip threshold.

**ROM - Roll Over Mitigation:**

This system helps to detect rollover tendencies during maneuvers with low road speed and high lateral acceleration.

**RMI - Roll Movement Intervention:**

This system helps to detect rollover tendencies in dynamic maneuvers and in high-speed evasive maneuvers with a high lateral acceleration.

**LAC - Load Adaptive Control:**

The system helps determine the gross vehicle weight and supports the ESP control function, depending on the vehicle load.

**EUC - Enhanced Understeering Control:**

The system helps to stabilize the vehicle in the event of heavy under steer.

**TSA - Trailer Stability Assist:**

The system helps reducing trailer jackknifing in two phases. Sensors monitor the amplitude of the swinging movements. As soon as they detect an unstable situation, a first stabilizing phase is initiated, consisting in an asymmetrical braking intervention at the front axle, alternating on the left and on the right sides. If this asymmetrical braking action proves insufficient, the second phase is **added** to the first. In this second phase the vehicle is slowed down by brake interventions at all four wheels and by an engine torque reduction.

**This system is active ex-factory if a trailer tow hitch is installed at the factory.**

**ESP® - Electronic Stability Program:**

ESP® interfaces with both the brake system and the engine management. It continuously monitors the signals from the steering angle sensor, wheel speed sensors, lateral acceleration sensor and yaw sensor, allowing it to assist the driver if instability is detected. In critical situations, ESP® actively intervenes in the engine management and brake system and assists the driver by generating braking forces to restore directional stability. When ESP® and ASR interventions are taking place, the ESP® warning light comes on in the speedometer.

If acceleration skid control is deactivated by pressing the ASR-OFF switch, the ESP® warning light comes on continuously. If a driving situation occurs in which instability is detected, ESP® intervenes and ASR is switched back on again. At speeds over 60 km/h [37mph] ASR is always active, i.e. if the system has been deactivated it is automatically reactivated when the vehicle accelerates to a speed above 60 km/h and cannot be deactivated. When the speed falls below 60 km/h [37mph], ASR is deactivated again and the warning light comes on.

Even with ASR switched off, the ESP® warning light flashes when the tires have reached their friction limit.

## Remarks

---

The Trailer Stability Assist system is only activated if a trailer tow hitch is installed at the factory.

The adaptive Electronic Stability Program ESP<sup>(®)</sup> Version 9i has a better braking performance in the wet (Brake Disc Wipe) and a faster braking response (Electronic Brake Prefill) in an emergency than the preceding version. This provides the following advantages:

- helps to prevent the wheels from locking when braking, thereby maintaining steerability
- the function controls drive slip by intervening in the engine management system and building up brake pressure at the drive wheels
- if an emergency braking situation is detected, the system actively increases braking pressure up to the locking threshold to achieve a shorter braking distance
- the risk of a roll-over during rapid evasive action with high lateral acceleration is reduced
- measures and takes the vehicle weight into account, so that ESP can regulate the braking intervention according to the vehicle load
- during trailer operation the system is able to reduce trailer jackknifing in two phases



## Handbrake lever, folding



### Details & Technology

---

Installation of a lowerable parking brake lever. This parking brake lever can be lowered even when the parking brake is on.

### Benefits & Arguments

---

- Allows a driver's swivel seat to be swivelled when the parking brake is engaged

### Remarks

---

**If required the low seat base frame for driver and co-driver must be ordered separately using Code S87/S88!**

## Firmer rear springs

### Details & Technology

---

Installation of dual leaf springs which feature a steeper spring characteristic curve than standard springs. They are stiffer.

### Benefits & Arguments

---

- Greater roll resistance under heavy rear loads

In conjunction with the stabilizing package, the firmer rear springs provide greater roll resistance but without compromising ride comfort. With a load of 2250 kg [5000lbs] on the rear axle, spring travel is reduced by approx. 21 mm. There is no change in the unladen height of the vehicle.

### Remarks

---

Can negatively affect the ride comfort (bouncy) if the vehicle does not have a very heavy upfit or constantly operating near max GVWR..

*This Code cannot be ordered individually.*

## **Rear Springs (Single)**

### **Details & Technology**

---

Single-leaf rear springs specially designed for all vehicles with 8550 GVWR (XL8).

### **Benefits & Arguments**

---

- Adapted suspension characteristics

Adapts the rear suspension to the higher rear axle load rating, thereby maintaining a high standard of ride comfort.

## Rear Springs (Dual)

### Details & Technology

---

Dual-rate two-leaf rear springs provide different spring rates depending on vehicle payload. When the vehicle is empty or only lightly laden, only the main spring leaf is operational. If the vehicle is more heavily laden, the second spring leaf also comes into play.

### Benefits & Arguments

---

- High suspension comfort

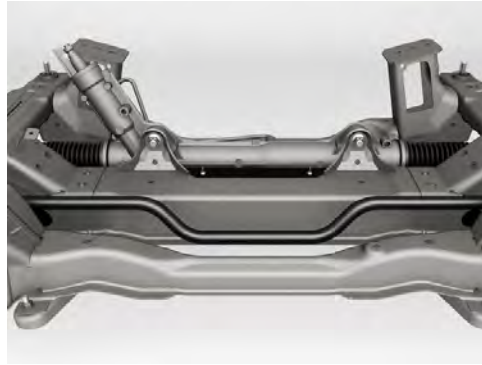
Greater ride comfort when vehicle is unladen, and appropriate firmness when carrying a heavier payload.

### Remarks

---

This code is beneficial if the vehicle is often operated empty.

## Stabilizer Front Axle



---

### Details & Technology

A stabilizer is mounted to the control arms and axle housing. The stabilizer is a torsion bar made of spring steel and is fitted transversely to the direction of travel. It exerts its stabilizing effect under unilateral compression. If there is equal compression on both sides, the stabilizer has no effect.

---

### Benefits & Arguments

- Reduces roll
- Improved road holding even with an unequally distributed load

The stabilizer prevents roll which can occur when cornering with a load which has a high center of gravity or when the front axle load is unequally distributed.

---

### Remarks

Generally recommended on bodies with a high center of gravity/tall bodies.

*This Code cannot be ordered individually.*

## Stabilizer, rear axle, under frame

### Details & Technology

---

The stabilizer is fitted behind the axle and attached at two points to the axle tube and at two points to the frame. It is a torsion bar made of spring steel and is fitted transversely to the direction of travel and parallel to the axle. It only exerts its stabilizing effect under unilateral compression. If there is equal compression on both sides, the stabilizer has no effect.

### Benefits & Arguments

---

- Reduces roll
- Improved road holding even with an unequally distributed load

The stabilizer reduces roll which can occur for example when cornering with a load which has a high center of gravity or when the rear axle load is unequally distributed.

### Remarks

---

Generally recommended on bodies with a high center of gravity/tall bodies.

*This Code cannot be ordered individually.*

## Stabilizer, rear axle, reinforced

### Details & Technology

---

The higher-capacity stabilizer has a larger diameter than the standard version. The stabilizer is fitted behind the axle and attached at two points to the axle tube and at two points to the frame. It is a torsion bar made of spring steel and is fitted transversely to the direction of travel and parallel to the axle. It only exerts its stabilizing effect under unilateral compression. If there is equal compression on both sides, the stabilizer has no effect.

### Benefits & Arguments

---

- Reduces roll

The higher-capacity stabilizer has a more powerful stabilizing effect than the standard version. It reduces roll which can occur for example when cornering with a load which has a high center of gravity.

### Remarks

---

Generally recommended on bodies with a high center of gravity.

*This Code cannot be ordered individually.*

## Stabilizer, reinforced at front axle

### Details & Technology

---

A reinforced (larger-diameter) stabilizer is mounted to the control arms and axle housing. The stabilizer is a torsion bar made of spring steel and is fitted transversely to the direction of travel. The stabilizing effect is exerted only under one-sided compression. If there is equal compression on both sides, the stabilizer has no effect.

### Benefits & Arguments

---

- Improved roadholding even with an unequally distributed load
- Reduces roll

The reinforced stabilizer has a more powerful stabilizing effect than the standard version. It reduces body roll, which occurs, for example, when cornering with a load that has a high center of gravity or when the front axle load is distributed unequally.

### Remarks

---

This stabilizer is recommended for camper vans and vehicles with a similarly high center of gravity, for example, box-body vehicles with loading tailgates, vehicles with elevating platforms or refrigerated box bodies.

*This Code cannot be ordered individually.*



## **Shock Absorbers Reinforced**

### **Details & Technology**

---

Installation of two shock absorbers on the rear axle which feature stiffer damping than standard shock absorbers.

In addition, sealing elements that are less sensitive to temperature are used. This prolongs the service life.

### **Benefits & Arguments**

---

- Longer service life for vehicles which are regularly used under punishing conditions

Recommended for vehicles which regularly carry high loads (e.g. trailer operation, full use of payload, on tractor units).

## Bumpers Front/Rear Primed



### Details & Technology

---

The bumpers and corner sections are not pre-coated in the standard colour but are painted pure white (MB 9678). This coating makes it possible to apply a topcoat in any desired colour.

### Benefits & Arguments

---

- Allows subsequent painting

The bumpers and corner sections are paintable in a different shade or shades, for example by a body manufacturer. Allows vehicles to be repainted e.g. in fleet livery.

**Note:**

Not available with step bumper W73.

Side moldings can also be ordered primed (sales CODE CM9).

## Raised Rear Body Mounts (RV only)



### Details & Technology

---

35mm [1.38 inch] tall spacers are fitted on the left and right side between the rear springs (center) and the axle spring saddle. (Part fits between leaf spring and axle)

### Benefits & Arguments

---

- More space between frame and road
- Improved departure angle

Provides more space under the frame for fitting special attachments and improve vehicle rear ramp angle.

## Chassis for application A



### Details & Technology

---

This package code involves the installation of reinforced front stabilizers and rear stabilizers (2500 Sprinters) or reinforced rear stabilizers (3500 Sprinters)

**Note:**

For 3500 Sprinter with CF3, a heavy duty front axle package X21 incl. higher front axle GWVR.FA is available.

### Benefits & Arguments

---

- Reduction of body roll under certain conditions

Example: Upfits and Constant Payloads with a higher Center of Gravity than typical cargo van applications

### Remarks

---

CF2 is standard equipment on 2500 Cargo 144 wheelbase and all 3500 Cab Chassis.

## Chassis for application B



### Details & Technology

---

This package code involves the installation of reinforced front stabilizers and reinforced rear stabilizers/

**Note:**

For 3500 Sprinter with CF3, a heavy duty front axle package X21 incl. higher front axle GWVR.FA is available.

### Benefits & Arguments

---

- Reduction of body roll under certain conditions

Example: Upfits and Constant Payloads with a very high Center of Gravity towards the Rear Axle.

### Remarks

---

This package is only available for Cab Chassis.

## Chassis for application C



### Details & Technology

---

This package code involves the installation of reinforced front stabilizers, reinforced shock absorbers and depending on the gross vehicle weight, also a reinforced front axle. Shock absorbers with even better model-specific tuning are installed on the 3.88t (8,550lbs) variant.

**Note:**

For 3500 Sprinter a heavy duty front axle option code A50 is available.

### Benefits & Arguments

---

- Reduction of body roll under certain conditions

Example: Near medium-heavy to heavy upfits and payload conditions with a high center of gravity

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## Chassis for application D



### Details & Technology

---

With this package code, harder rear springs and the reinforced front axle are fitted.

**Note:**

A heavy duty front axle option code A50 is available.

### Benefits & Arguments

---

- Reduction of body roll under constant heavy rear axle loads
- Stiffer Springs are recommended for long Boxes and Rear Lift application that constantly operate near max GVWR

### Remarks

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This package code is recommended only available for Chassis Cabs:

## **Springs and dampers, front, reinforced**

### **Details & Technology**

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In all vehicles, if equipped, with a GVWR of 4.53 t (9900 lbs) and 5 t (11030 lbs), a reinforced front axle is installed in place of the standard front axle. The front springs and shock absorbers of this axle are reinforced.

### **Benefits & Arguments**

---

Stabilizing effect when the vehicle is on the move and the load is distributed towards the front axle.

The reinforced springs and shock absorbers have a stabilizing effect on the handling of the vehicle, and reduce the risk of excessive body roll.



## Adjustable Steering Wheel



### Details & Technology

---

The steering wheel is manually adjustable for height and reach. To provide a large adjustment range, the wheel can be tilted in a range between 28° and 32° from the vertical and can be adjusted axially by 40 mm. The adjustment is performed by means of a lever on the steering column.

### Benefits & Arguments

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- An ergonomic seating position can be adopted
- More comfortable seating posture and enhanced driver fitness

The adjustable steering wheel provides better adaptation to individual requirements and to the size of the driver. The ergonomic seating posture helps to maintain driver fitness on longer journeys. Allows for quick and easy steering wheel adjustment following a change of driver.

## Multifunction Steering Wheel – w/trip computer



### Details & Technology

---

Installation of a multifunction steering wheel with 8 steering wheel buttons. In addition to operating the horn, also allows operation of the on-board computer, radio and phone.

Steering-wheel buttons (left): select onboard computer menu, scroll up/down through onboard computer menu.

Steering-wheel buttons (right): volume +/- and place/answer or end a telephone call.

**Steering-wheel buttons (left):** select onboard computer menu, scroll up/down onboard computer menu.

**Steering-wheel buttons (right):** volume +/- and place/answer or end a telephone call.

### Benefits & Arguments

---

- Enhanced comfort

The multifunction steering wheel enables a wide variety of functions to be accessed and set, e.g. trip computer, radio volume, phone, ASSYST. Enables the driver to keep both hands on the steering wheel.

#### Note:

The multifunction steering wheel does not support radio prep ER0.

## ECO power steering pump



### Details & Technology

The ECO Power Steering Pump reduces, with low need of the steering over a bypass valve, the flow rate of the steering gear whereby the necessary input power can be reduced with results of less fuel consumption.

The ECO Power Steering Pump will be triggered over the Electronic Stability Program ESP® control unit.

## Primed Sidewall Moldings



### Details & Technology

---

The side plastic molding panels are primed in white to be painted with after market paint.

### Benefits & Arguments

---

- Allows subsequent painting

The rub strips are paintable in a different shade or shades, for example by a body manufacturer. Allows vehicles to be repainted e.g. in fleet livery.

### Remarks

---

Front and rear bumpers can also be ordered primed (sales code C72)

**Note:** Please refer to the Bodybuilder Information Book or contact Sprinter Engineering for painting vehicle with code **JP2** and **EZ8**

## Rear Spring Vibration Absorbers



### Details & Technology

---

Installation of two vibration dampers each on the left and right rear spring. They are made from rubber that absorbs the vibrations.

### Benefits & Arguments

---

- Reduces resonant vibrations

The vibration damper lowers resonant vibrations of the rear springs and thus hinders noise development.

### Remarks

---

The dampers are standard on passenger vans and available on 2500 cargo vans.

## High Roof



### Details & Technology

---

Includes high side walls and higher rear doors, giving an interior height in the load passenger compartment of approximately 1940 mm [76.4"]

The rear doors are 1840 mm high [62" w x 72" h]

The sliding load-compartment doors, are 1820 mm high [51" w x 72"h]

The maximum roof load evenly distributed over the whole area of the roof is 150 kg [330lbs]

### Benefits & Arguments

---

- Increased load space
- Taller door apertures
- Room to stand upright in the load compartment

The high side walls provide increased load space in the panel van and offer room to stand up. Tall, bulky objects can be loaded and unloaded more easily due to the taller door apertures.

## Super-High Roof (unpainted)



### Details & Technology

---

The super-high roof consists of a fibreglass-reinforced plastic roof shell (color: near arctic white) attached to the high side wall by means of a bonding frame. The roof itself is unlined and the space between the roof shell and the driver's/co-driver's roof lining is enclosed. The interior height is about 84.3" (2140 mm). The dimensions of the rear doors and the sliding load compartment doors are equivalent to Code D03 (high roof and rear doors).

In conjunction with a bulkhead an optional stowage compartment (Code FF4) can be fitted above the driver's side roof lining, which can only be accessed from the load compartment. The opening of the stowage compartment measures 52" (1320 mm) in width and 13.8" (350 mm) height. The compartment has a depth of about 21.7" (550 mm). It can hold up to 77lbs (35 kg).

If the bulkhead is combined with a sliding door (Code D64), the stowage compartment is omitted and the space between the top of the bulkhead and the roof is enclosed with a cover plate.

### Benefits & Arguments

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- Increased load space

### Remarks

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Vehicles with super-high roof have an overall height of 119" (3010 mm).  
Roof loads are not permitted!

## Roof Rails



### Details & Technology

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Two recessed longitudinal stainless-steel C-rails are bolted to the roof. Maximum roof load (including basic carrier bars) is 50 kg [110lbs] per cross-bar. Maximum roof load for the standard roof is 300 kg [660lbs] (6 cross-bars) and 150 kg [330lbs] for the high roof (Code D03) (3 cross-bars).

### Benefits

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- Allows roof carriers to be fitted

The roof rails allow roof racks, roof boxes and other accessories to be fitted.

### Remarks

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The roof rails can be retrofitted.

144WB:	B6 656 0752
170WB:	B6 656 0753
170WBext:	B6 656 0754



## Cargo Partition



### Details & Technology

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A grey sheet-metal full bulkhead is installed inside the cargo area and attached to the B-pillar. The material of the partition is steel.

Before driving always secure your cargo using the tie down system standard in all Sprinters.

### Benefits

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- Serves to secure load, in conjunction with floor mounted lashing D-rings
- Front cab can be heated up more quickly
- Keeps dirt, dust and odors produced by the load out of the driver's compartment

In cold temperatures the driver's section can be heated more quickly.

## Cargo Partition w/ Fixed Window



### Details & Technology

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The panel van is fitted with a grey metal full bulkhead with central fixed window, size 1300 x 340 mm [51.2" x 13.4"]

### Benefits & Arguments

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- Serves to secure load, in conjunction with load-securing D-rings
- Cab can be heated up more quickly
- Allows visual checking of cargo area
- Keeps dirt, dust and odors produced by the load out of the driver's compartment
- Provides view of rear traffic if windows are fitted in the rear doors (W61, W78)
- In cold temperatures the driver's section can be heated more quickly.

Fitting the bulkhead - in conjunction with the lashing eyelets - makes it possible to secure the load in accordance with regulations. It also makes it possible to stack the load so it can be restrained by direct means. In cold temperatures the driver's section can be heated more quickly.

The window allows the driver to keep an eye on the cargo and, if windows are fitted in the rear doors (W61, W78), also provides a view to the rear.

## Cargo Partition w/ Sliding Window



### Details & Technology

---

The panel van is fitted with a grey sheet-metal bulkhead with central sliding window, size 1300 x 340 mm [51.2"x13.4"].

### Benefits

---

- Serves to secure load, in conjunction with lashing eyelets
- Cab can be heated up more quickly
- Allows visual checking of load compartment
- Makes it possible to communicate verbally between the cab and the load compartment
- Keeps dirt, dust and odors produced by the load out of the driver's compartment
- When rear door windows (W61, W78) are fitted, provides a view to rear traffic

In cold temperatures the driver's section can be heated more quickly.

## Cargo Partition Provisions



### Details & Technology

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Mounting of a different B-pillar cover. The grey cover is designed such that it will allow a bulkhead to be retrofitted. There are mounting holes in the B-pillar and roof bow.

If no bulkhead is fitted, the B-pillars and roof bow facing the cargo compartment are exposed.

### Benefits & Arguments

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- Allows retrofitting of a bulkhead

The pre-installation allows body manufacturers to retrofit either a Mercedes-Benz bulkhead or an aftermarket solution.

### Remarks

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Before driving always secure your cargo using the floor mounted tie down system standard in all Sprinters.

## Bulkhead with sliding door



### Details & Technology

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The bulkhead with sliding door is situated in the B-pillar area. The sliding door is fitted with a door lock and locking cylinder. From the driver's side, the sliding door is opened by means of the vehicle key, and from the load compartment side by means of a lever on the door lock.

The aluminum sliding door is 577 mm wide, 1775 mm high and 17 mm thick [approx. 21 <sup>5</sup>/<sub>8</sub> x 71 <sup>1</sup>/<sub>4</sub> x 11/16 inch]. The open sliding door is held in place at the end of its travel by a retainer. On the right-hand side, in the entrance area of the sliding load-compartment door, the bulkhead is fitted with a grab handle (Code T77).

The bulkhead can be ordered with jump seat S20 (see note below)

### Benefits & Arguments

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- Serves to secure load, in conjunction with lashing eyelets
- Provides direct access to the load compartment
- Makes it possible to communicate verbally between the cab and the load compartment
- Keeps dirt, dust and odors produced by the load out of the driver's compartment
- Front cab can be heated up quickly

Fitting the bulkhead - in conjunction with the tie-down points - makes it possible to secure the load in accordance with regulations. It also makes it possible to stack the load in such a way that it can be restrained by direct means.

The sliding door provides direct access to the load compartment and makes it possible to communicate verbally between the cab and the load compartment. When the sliding door is closed, it is not possible to see the cargo.

### **Note:**

Part of:

X02 Partition w/ Sliding Door & Passenger Jump

X03 Partition w/ Sliding Door without Passenger Jump Seat Package

Seat Package

## Omission Bulkhead



### Details & Technology

---

N partition is installed on cargo vans.

The difference to D62 is that the grey B-pillar cover wraps around the entire B-pillar and does not allow an easy bulkhead retrofit.).

### Benefits & Arguments

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- Unimpeded access to load compartment
- Allows special bodies and attachments to be fitted

Provides unimpeded access to the load compartment, and allows extra-long objects such as carpet rolls to be pushed right through to the co-driver's seat base. Also makes it easier for body manufacturers to fit special bodies and attachments.

## Start Off Assist

### Details & Technology

---

After the service brake has been released, the applied braking pressure continues to be provided by Start-Off Assist (AAS) for approximately two seconds. AAS activates on gradients of approx. 4% or more, whether starting in forward or reverse gear.

If the direction of travel is downhill, AAS is **not** activated. AAS is also **not** activated if the parking brake is engaged.

### Benefits & Arguments

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- Easier hill starts
- Temporarily prevents the vehicle from rolling away

Maintaining the brake pressure facilitates hill starts since the driver can find the biting point of the clutch (with manual gearbox) without having to use the parking brake



## Becker Map Pilot Navigation System



### Details & Technology

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Becker MAP Pilot is a fully integrated navigation module featuring 2D and 3D map display on the basis of the Audio 15 radio and can only be installed in conjunction with this radio.

Features of Becker MAP Pilot:

- Integration of the navigation box in the glove compartment
- Display via the instrument cluster and the radio display
- User interface designed for intuitive use
- TMC for dynamic tailback avoidance
- Integrated map data for Europe
- Updates via the Becker website

### Benefits & Arguments

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- Fully integrated navigation system with numerous technical features
- Simple to operate via the optionally available multifunction steering wheel



## Additional Battery for Retrofit



### Details & Technology

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In addition to the standard battery, a 12 V/100 Ah auxiliary battery with long cycle life is mounted in the engine compartment. The aux battery supply voltage is separated from the vehicle electrical system through a cutout relay.

An electrical connector box is installed inside the driver seat base. Remove cover to attach your electrical connection and install an appropriate fuse as close as possible, ensuring cover is seated properly when closing.

### Benefits & Arguments

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- Allows operation of additional electrical consumers

### Remarks

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When shutting down the engine, the aux battery is separated from the vehicle electrical system via a cutout relay.

## Starter Battery Disconnect



### Details & Technology

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The battery quick-disconnect unplugs the battery ground connection and switches off all electrical consumers. It is located in the driver's foot well, to the right of the accelerator pedal. To disconnect, the connector has to be removed from the ground post. See owners manual.

It must be **ensured** that the battery master switch is only disconnected when the **vehicle key** in the ignition lock is **in position 0, otherwise** there is a **risk of damaging other components** in the electrical system.

The battery quick-disconnect is standard on all Sprinters.

### Benefits

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- Prevents uncontrolled battery discharge
- Work on the electrical system can be carried out more quickly

The battery quick-disconnect prevents uncontrolled discharging of the battery due to standby current consumption.

It is recommended that vehicles with extended down time be disconnected (3 weeks and longer).

The battery quick-disconnect also allows work on the electrical system to be carried out more quickly, since it is not necessary to disconnect the battery pole.

## Battery Management



### Details & Technology

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The Intelligent Battery Sensor (IBS) measures various battery status parameters such as current, voltage and temperature of the vehicle battery. These data allow efficient generation of electrical energy, intelligent distribution and optimised storage. This ensures maximum availability and reliability of the vehicle's power supply.

### Benefits & Arguments

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- Ensures the vehicle's starting ability
- Reduces CO2 emissions
- Lowers fuel consumption
- Increases the operating life of the battery

## Cutoff relay for additional battery

### Details & Technology

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The relay is installed on the charge line to the auxiliary battery. It separates the starter battery consumers from the auxiliary battery consumers. When the engine is running, the relay allows both batteries to be charged or discharged simultaneously.

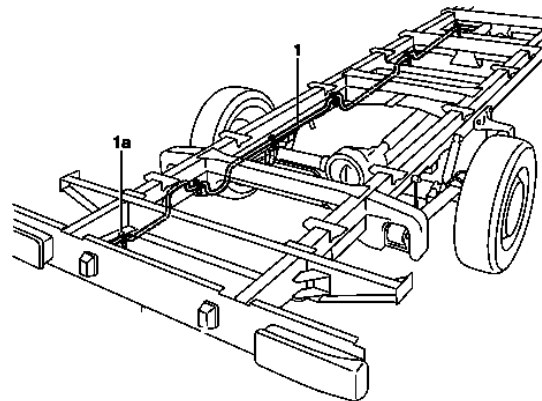
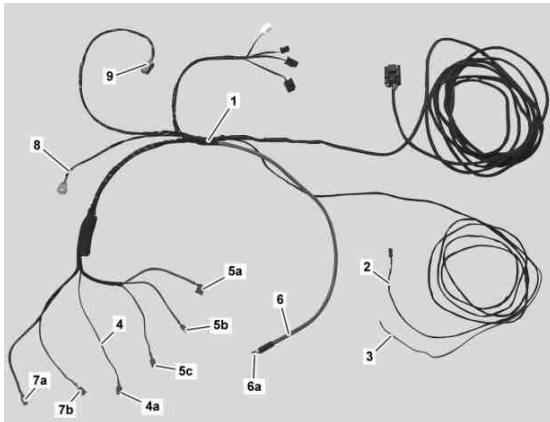
### Benefits & Arguments

---

- Starter battery cannot be discharged by auxiliary consumers

The cutout relay prevents the starter battery being drained by consumers connected to the auxiliary battery. It also prevents the auxiliary battery being drained by the standard consumers such as the starter or fan.

## Trailer Hitch Prep Package



### Details & Technology

---

Wiring for trailer hitch that runs along the inside left frame. Includes a 7-Pin connector at the trailer hitch.

In case of **Cab Chassis**, the trailer wiring will be rolled up and temporarily attached to the frame during transport. This allows for installation of a trailer hitch by the bodybuilder.

### Benefits & Arguments

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- Connects the Trailer lights to the Sprinter

## 12V Power outlet at driver seat base



### Details & Technology

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12 V/15 A socket on driver's seat base frame, right-hand side (180 watt maximum). Power can be drawn regardless of ignition key position.

The power is supplied by the starter battery, except if Code E28 is specified, in which case it is supplied by the auxiliary battery.

### Benefits & Arguments

---

- Can be used to power additional electrical consumers

The socket can be used to power electrical consumers such as a fan, TV, fax machine or cool box.

## AMG battery, 12V 95A



### Details & Technology

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A heavy duty 12 V/95 Ah AGM (Absorbent Glass Matt) starter battery is fitted instead of the standard 12 V/100 Ah starter battery.

The AGM battery is provided with absorbing glass fleece in which the electrolyte is absorbed into a mat of fine glass fibers.

The AGM battery is smaller and lighter than common batteries, due to the fact that the energy density is increased.

### Benefits & Arguments

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- Resistant to exhaustive discharge
- Deep-cycle resistant
- Maintenance-free
- Increase in power enables electrical system to cope with higher loads
- More reliable starting in winter

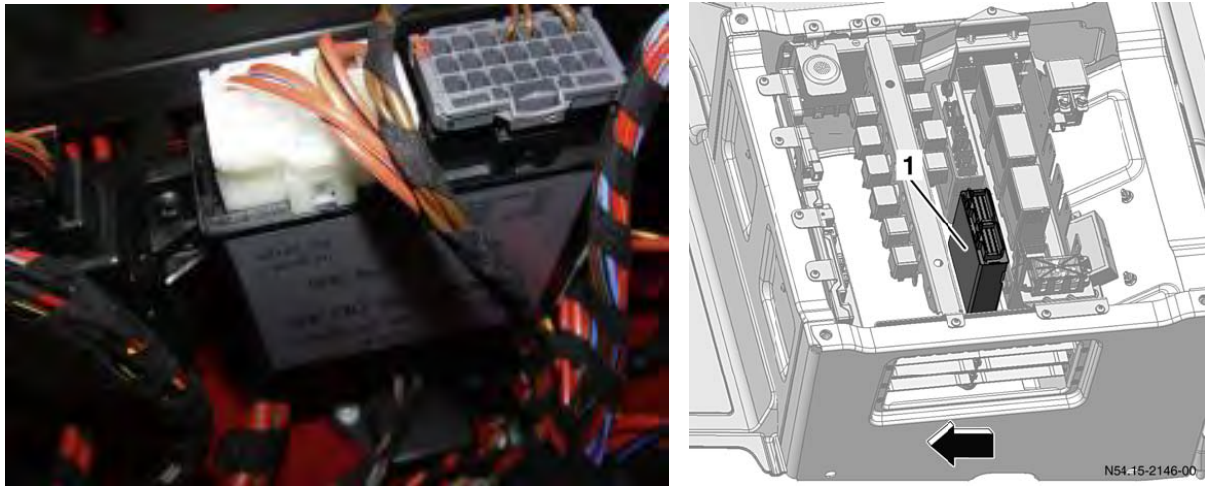
The AGM battery is designed for heavier-duty requirements resulting from frequent starting in short-distance operation (deep-cycle resistant) or from supplying a large number of high-consumption electrical special equipment items. It is also recommended for operation in extreme climates, e.g. when the high-performance air conditioning in the passenger compartment is used.

### Remarks

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ED4 is standard on all 4-Cylinder (OM651) vehicles.

## Parametric Special Module (PSM)



### Details & Technology

The Parametric Special Module (PSM) is the gateway into the vehicle electronic system. Vehicle information can be accessed and vehicle functions can be modified via 10 inputs and 20 outputs.

#### **Outputs:**

**Vehicle status:** Doors open / closed; locked / unlocked etc. Hand brake applied

**Light control:** Side lamps, brake light, turn signals, main-beam headlamps etc.

**Engine CAN information:** Vehicle speed, engine speed, gear selector position, AC compressor etc.

#### **Inputs:**

**Light functions:** interior / exterior lights turn signals etc. wig-wag

**Central locking:** lock / unlock entire vehicle, load compartment

**Alarm functions:** hazard warning flasher, warning buzzer, horn

PSM signals can be combined to create logic combinations (AND, OR, NOR, XNOR etc.). PSM signals can be processed internally in Timer, Counter and Hysteresis Blocks or Threshold Switches to trigger specified Output signals or Input functions.

### Benefits & Arguments

The Sprinter is networked with several bus systems and the PSM was developed to give body builders access to individual types of CAN bus data. The PSM is the gateway to the CAN bus and can be used to read vehicle information and control vehicle functions (e.g. the central locking).

### Remarks

The above listed signals are examples only. For a complete list of signals see the 'Sprinter Body Builder Information Book' or contact Sprinter Sales Engineering.

The PSM program has to be uploaded to the PSM via the MB Star Diagnostic.



## Pre-installation Parametric Special Module (PSM)



### Details & Technology

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The pre-installation includes the electric wiring up to the driver's seat base frame.

### Benefits & Arguments

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- Allows easy retrofitting of the parametric special module

Access to the vehicle electronics system is now only possible/permissible via one defined interface. This improves protection of the vehicle's basic functional integrity.

### Remarks

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For PSM retrofit please refer to most current WIS document or contact Sprinter Sales Engineering.

## Battery 12 V/100 Ah



### Details & Technology

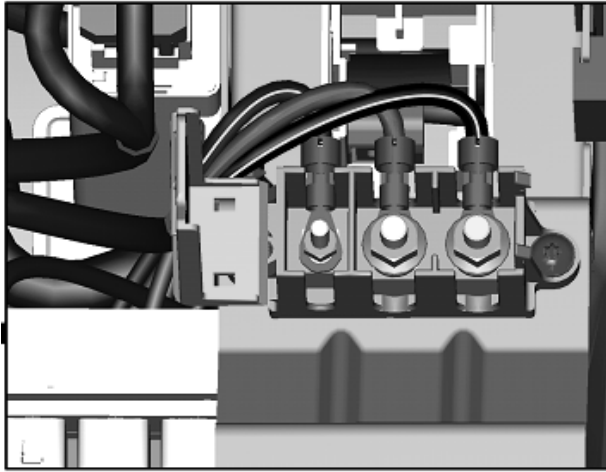
The high-capacity 12 V/100 Ah starter battery is standard on all 6 Cylinder Sprinters.

### Benefits & Arguments

- Electrical system designed for more demanding requirements
- More reliable starting in winter

The higher-capacity battery is designed for heavy-duty requirements, e.g. for frequent starting in short-distance operation or for supplying a large number of electrical special equipment items.

## Body Builder Connector under Driver Seat



### Details & Technology

---

Additional electrical components must be connected using the auxiliary electrical connector (EK1) standard from the factory (max 25 A). The electrical connector is installed inside the driver's seat base (at the front, on the left-hand side of the vehicle) and has three terminals:

Terminal 1: 12 V/10 A (120 W) Power engine running (Blue/Yellow)

Terminal 2: 12 V/25 A (300 W) Battery direct power (Red/Grey)

Terminal 3: 12 V/15 A (180 W) Ignition power (Black/Yellow)

#### **Note:**

Maximum load is 25 A. Electrical loads greater than 25A requires the Auxiliary Battery package PY1 (E28).

### Benefits

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The terminal strip allows easy integration of additional electrical consumers into the existing power network. The blank switch panel allows the integration of additional switches for the operation of body/conversion systems installed by body manufacturers or vehicle operators.

### Remarks

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EK1 is standard on all models.

## Audio System Speakers, 5 Front



### Details & Technology

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Two-way loudspeaker system plus one center speaker. One mid-range woofer is fitted in the driver's door and one in the co-driver's door. The center speaker and the tweeters are integrated into the cockpit.

### Benefits & Arguments

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- Excellent sound quality due to five speakers

Excellent sound quality due to separate tweeters and mid-range woofers and separate center speaker. This combination produces a richer sound.

## Radio Speakers, 5 Front & 8 Rear



### Details & Technology

---

Installation of a two-way loudspeaker system. The specification of Code EL8 is extended with a further four tweeters and four mid-range woofers fitted in the side wall/sliding door and in the left and right-hand rear side panelling in the passenger compartment.

### Benefits & Arguments

---

- Excellent sound quality due to 13 speakers
- Improved listening pleasure in passenger compartment

Offers excellent sound quality, due to separate tweeters and mid-range woofers, and improved listening pleasure for passengers, wherever they happen to be sitting.

## Audio 10



### Details & Technology

Audio 10 is an entry-level radio offering customers a broad range of valuable information and communication functions.

Features of Audio 10:

#### General:

- Address book memory with capacity for around 1000 entries with up to 5 telephone numbers per entry
- Can be operated via the optionally available multifunction steering wheel (CL4)

#### Radio:

- RDS/single tuner and traffic information decoder (TP/TA)
- FM/AM (VHF, MW, LW and SW) frequency bands
- 10 station presets (per frequency band)
- Manual station tuning
- Automatic storage of stations currently in range

#### Sound/tone:

- 4 x 25 watt output
- Sound adjustments (bass, treble, fader, balance)

- Speed-sensitive volume control, gradual increase in volume from 20 km/h
- Separate audio/telephone volume control

**Bluetooth® connectivity:**

- The hands-free facility supports the use of mobile phones with Bluetooth® (Handsfree Profile and Phone Book Access Profile)
- Music playback on the head unit by means of Bluetooth® audio streaming Requires: Bluetooth-capable device complying with AVRCP standard.
- More detailed information on enabled mobile phones and available Bluetooth® functions can be found at [www.mercedes-benz.com/connect](http://www.mercedes-benz.com/connect)
- Operation of the Bluetooth audio device via the radio (Start, Pause, Track up/Track down), with track name shown on radio display. Requires: Bluetooth-capable device which supports AVRCP profile. (browsing in track lists is not supported.)

**Interfaces:**

- USB and Aux-in (3.5mm jack) connection for the integration of mobile devices are standard above the instrument cluster
- Charging function via USB interface (charging current up to 0,8 ampere)
- SD memory card slot

**Components of Audio 10:**

- Monochrome display with 8.9 cm (3.5-inch) screen diagonal
- Telephone keypad
- RDS/single tuner and traffic information decoder (TP/TA)
- Bluetooth® hands-free system
- USB and Aux-in port
- SD memory card slot

**Benefits & Arguments**

---

- Attractive entry-level device with valuable additional features
- Convenient operation via the multifunction steering wheel
- Hands-free telephony, playback of music and SMS display via Bluetooth® interface, provided this is supported by the mobile phone
- Integration of mobile devices via USB and Aux-in port
- SD memory card slot for playback of MP3 files, (WMA, AAC and WAV formats)

## Audio 15



### Details & Technology

The Audio 15 radio with high-resolution 14.7 cm (5.8-inch) TFT display offers a wealth of valuable information and communication features. Its connection options enable it to be combined with the Becker® MAP PILOT (E1N), for example, for operation as a fully-fledged navigation system.

Features of Audio 15:

#### General:

- Address book memory with capacity for around 1000 entries with up to 5 telephone numbers per entry
- Can be operated via the optionally available multifunction steering wheel (CL4)
- Anti-theft protection (software-based → Audio 15 only works in the vehicle in which it was originally installed)

#### Radio:

- RDS/single tuner and traffic information decoder (TP/TA)
- FM/AM (VHF, MW, LW and SW) frequency bands
- 10 station presets (per frequency band)
- Manual station tuning
- Automatic storage of stations currently in range



**Sound/tone:**

- 4 x 25 watt output
- Sound adjustments (bass, treble, fader, balance)
- Speed-sensitive volume control, gradual increase in volume from 20 km/h
- Separate audio/telephone volume control

**Bluetooth® connectivity:**

- The hands-free facility supports the use of mobile phones with Bluetooth® (Handsfree Profile and Phone Book Access Profile)
- Music playback on the head unit by means of Bluetooth® audio streaming Requires: Bluetooth-capable device complying with A2DP standard.
- Operation of the Bluetooth audio device via the radio (Start, Pause, Track up/Track down), with track name shown on radio display. Requires: Bluetooth-capable device which supports AVRCP profile. (browsing in track lists is not supported.)
- More detailed information on enabled mobile phones and available Bluetooth® functions can be found at [www.mercedes-benz.com/connect](http://www.mercedes-benz.com/connect)

**Interfaces:**

- USB and Aux-in connection for the integration of mobile devices as standard in the cockpit
- Charging function via USB interface (charging current up to 0,8 ampere)
- iPod® interface for digital audio transfer from iPod®, operation of Apple devices
- SD memory card slot - connection options:
- Pre-installation for Becker® MAP PILOT (EV6)(optional)
- Fully integrated Becker® MAP Pilot (E1N) navigation module (optional)
- Fully integrate reversing camera into 5.8" screen (FR8) (optional)

**Components of Audio 15:**

- High-resolution 14.7 cm (5.8-inch) TFT display
- Telephone keypad
- RDS/single tuner and traffic information decoder (TP/TA)
- Bluetooth® hands-free system
- USB and Aux-in port
- iPod® interface
- SD memory card slot

**Benefits & Arguments**

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- Connection options for upgrading the Audio 15 to a fully-fledged navigation system with Becker® MAP PILOT (E1N) and for integration of the reversing camera (FR8)
- Hands-free telephony, playback of music via Bluetooth® interface, provided this is supported by the mobile phone
- Integration of mobile devices via USB and Aux-in port and iPod® interface
- SD memory card slot for playback of MP3 files, (WMA, AAC and WAV formats)

## Radio Prep



### Details & Technology

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Prewiring (12 V) for retrofitting an aftermarket radio. Includes short-range interference suppression, a flexible stub radio roof antenna and loudspeakers.

#### **Note:**

Prewiring **not** compatible with the multifunction steering wheel (CL4).

### Benefits & Arguments

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- Preparation for retrofitting a radio

Pre-installation allows retrofitting of any commercially available 12V radio to suit customer requirements.

### Remarks

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Pin layout radio connector:

A1 n.c

A2 n.c.

A3 n.c.

A4 K130 (+12V battery direct power)

A5 switch `Antenna`

A6 terminal 58D (display illumination)

A7 terminal 15R (ACC accessory power on)

A8 K131 (Ground)

B1 Loudspeaker rear right +

B2 Loudspeaker rear right -

B3 Loudspeaker front right +

B4 Loudspeaker front right

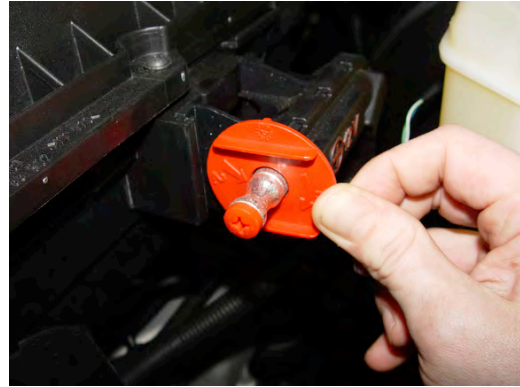
B5 Loudspeaker front left +

B6 Loudspeaker front left -

B7 Loudspeaker rear left +

B8 Loudspeaker rear left -

## Jump Start Terminal



### Details & Technology

Installation of a jump-start terminal (positive pole) in the engine compartment on the air filter. The jump-start terminal can be accessed by pushing back the red protective cap.

### Benefits & Arguments

- Easier jump starting/charging of the starter battery

Given the limited accessibility of the starter battery (situated in the driver's footwell for improved crashworthiness), this terminal allows easier jump starting and can also be used for charging the starter battery.

## 12V Power outlet in load compartment



### Details & Technology

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12-volt socket in left-hand D-pillar trim of the passenger/cargo van. The passenger van also has a 12-volt socket in the right-hand D-pillar trim. Both sockets have a maximum power rating of 180 watts. Power can be drawn regardless of ignition key position. The power is supplied by the starter battery, except if Code E28 is specified, in which case it is supplied by the auxiliary battery.

### Benefits & Arguments

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- Connection point for electrical accessories

The socket can be used to power accessories such as a cool box, vacuum cleaner, electric air pump or other electrical equipment, without the need for long cables.

## **Pre-Installation Becker Map Pilot Navigation**

### **Details & Technology**

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The pre-installation for the Becker MAP Pilot navigation module is required for the connection to the Audio 15 radio and can only be fitted in combination with this radio. The pre-installation package comprises a cable link to the audio system and a cradle for the navigation box in the glove compartment. The pre-installation for the Becker MAP Pilot navigation module facilitates swapping the navigation box between different vehicles, e.g. within a vehicle fleet.

### **Benefits & Arguments**

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- Flexible use of a single navigation module throughout a fleet of vehicles

## Parktronic System (PTS)



### Details & Technology

PARKTRONIC operates on the echo sounder principle. The electronic control unit uses ultrasonic signals emitted and detected by sensors in the front and rear bumpers to measure the distance between the vehicle and an obstacle. When reversing, the system monitors the area to the rear and front of the vehicle. When moving forwards, only the area to the front of the vehicle is monitored.

The system is activated automatically when the ignition is switched on and the parking brake lever has been released. It switches off when the speed of the vehicle exceeds approx. 11mph and back on when the speed falls below 10mph again.

The system monitors the area:

- front center up to a distance of between 12" and 40"
- front corners up to a distance of between 10" and 25"
- rear center up to a distance of between 12" and 70"
- rear corners up to a distance of between 12" and 40"

As soon as an obstacle is detected within these areas, the visual (yellow and red LEDs) and audible warnings are activated. As the vehicle approaches an obstacle in its path, the visual signals are the first to be activated. As soon as the first red segment lights up, the audible warning is activated too, at first intermittently, then continuous when the minimum distance is reached (second red LED).

The double warning display for the front area is located in the center of the instrument panel, with two separate displays for the rear area integrated into the exterior mirrors. Two different tones enable the driver to detect whether the audible warning refers to the area in front of the vehicle or behind.

In the event of the vehicle rolling backwards inadvertently (for example, on uphill slopes) PARKTRONIC is activated automatically for the area to the rear of the vehicle if an obstacle is detected within 80 cm of the vehicle. The driver is made aware of this via activation of all the segments in the display for the rear as well as a continuous tone. PARKTRONIC can be activated/deactivated manually using a switch in the upper control panel. The indicator light in the switch is lit when PARKTRONIC is off.

### **Benefits & Arguments**

---

- Facilitates precise parking, with the help of visual and audible warnings
- Makes parking easier in tight situations

The parking aid facilitates precise parking and helps the driver to judge distances from obstacles in front of the vehicle and behind - particularly when visibility is limited.

### **Remarks**

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The sensors must be free from dirt, ice and snow in order to function correctly!



## Roof and Rear Wall Deletion



### Details & Technology

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Chassis without rear wall and roof, but including seat bases. A cover (Code P08) is supplied for transport purposes.

### Benefits & Arguments

Allows body manufacturers to produce special body designs, e.g. camper bodies, which also include the roof over the cab

### Remarks

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Fleet order only and only for *Sprinter Preferred Upfitters*.

## Window in cab rear wall

### Details & Technology

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The chassis cab rear wall is fitted with a window of single-layer safety glass, size 1330 x 360 mm [52.4" x 14.2"].

### Benefits

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- Improved rearward visibility
- Allows visual checking of cargo

The window allows more light into the cab. It provides rearward visibility, for easier reversing. In the case of vehicles with box bodies, it allows the driver to keep an eye on the cargo.

## Headlamp Cleaning System



### Details & Technology

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Two high-pressure water jet nozzles are situated under each light unit. If the windscreen washer system is operated when the headlamps are switched on, the nozzles are automatically extended and the headlamps are sprayed with a high-pressure jet of washer fluid. The fluid is supplied from the central windscreen washer reservoir in the engine compartment.

### Benefits & Arguments

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- The light output of the headlamps is not restricted by dirt
- Active safety benefits

Cleans the headlamp lenses. Since dirty headlamps significantly affect road illumination, the headlamp cleaning system has active safety benefits.

## Electronically Heated Windshield



### Details & Technology

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Installation of a heated laminated windscreen. The heating consists of thin, wavy, vertically aligned heating filaments and is controlled by a switch with indicator light. Operation is only possible while the engine is running.

The heating function is activated by pressing a rocker switch. It automatically switches itself off after approx. 5 minutes – or can be switched off manually by pressing the rocker switch again.

### Benefits & Arguments

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- Prevents fogging

The heated windscreen helps e.g. to keep the windscreen free from fogging, snow or ice in winter.

## Rear View Mirror (Day & Night)



### Details & Technology

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An interior mirror is attached to the front windscreen.

### Benefits & Arguments

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- manually adjustable for day and night
- Enhanced safety

The interior mirror improves rearward visibility, and is thus particularly useful when reversing and when maneuvering at loading ramps. Also allows the driver to keep an eye on the cargo compartment/passenger compartment.

## Lockable glove compartment



### Details & Technology

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Installation of a locking cylinder and light on the glove compartment lid. The key is the same mechanical key that is also used for the doors and the steering wheel lock.

### Benefits & Arguments

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- Convenient operation due to single-key system
- Secure stowage of personal items or freight documents
- Illumination of Glove Box

Anti-theft stowage space for personal items and freight documents.

## Heated and electrically adjustable mirrors



### Details & Technology

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The exterior rear-view mirrors and the wide-angle mirrors are heated. In addition, the exterior rear-view mirrors can be adjusted electrically by means of a switch. Another switch selects right-hand or left-hand exterior mirror, the controls are located in the driver's door. The mirror heating is regulated dependent on the exterior temperature. At temperatures below 59°F the heating is activated, and at 66 °F it is deactivated again.

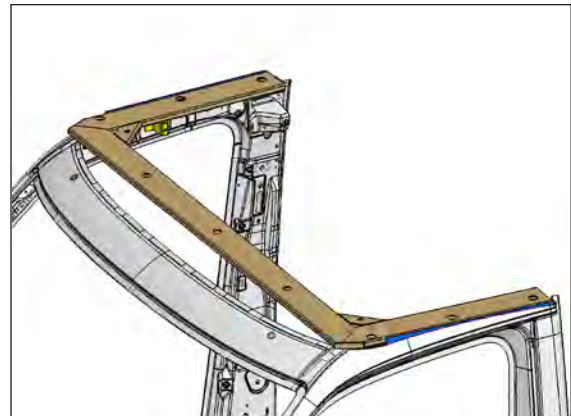
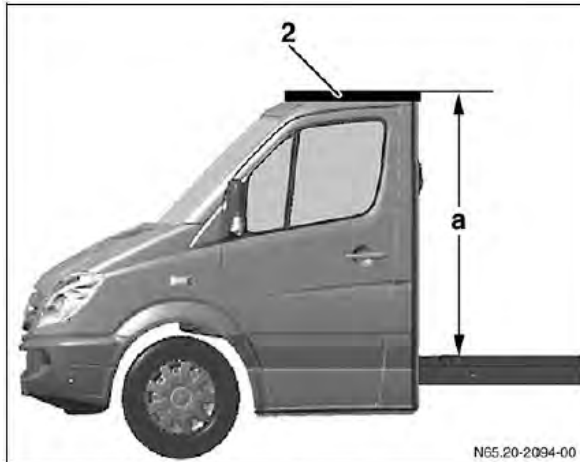
### Benefits & Arguments

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- Rapid mirror adjustment following a change of driver
- Helps to prevent mirrors misting up or frosting over

Allows quick and easy adjustment of the exterior mirrors following a change of driver. Also reduces misting or frosting over of the rear-view mirror, and wide-angle mirror in cold or damp weather.

Lowered cab roof



Location of auxiliary roof frame

- 2 Auxiliary roof frame
- a Distance between top edge of longitudinal frame member and top edge of auxiliary roof frame:

Reinforced frame is a bolt-on solution and included in delivery scope.

**a = 62.8 inches [1595mm]**

Details & Technology

In the case of a chassis with cab and without rear wall and roof (Code F28), the door portals and remaining roof structure are trimmed. A square tube construction is also screwed in, providing both provisional rigidity and an attachment surface.

This provisional structural rigidity **must be accounted for** in dimensional terms when planning and designing bodies. Alternatively, the body manufacturer can install its own construction if this has a rigidity equivalent to that of the original design.

The roof height is reduced by approx. 70 mm compared with a conventional roof. The lowered version is also painted in the bodyshop following modification. The standard-specification sun visors and grab handles are mounted. The roof panelling can be attached to the established securing points but must be trimmed individually by the body manufacturer and adapted to the interior equipment.

Benefits & Arguments

- Caters to special body designs
- Allows a lower overall vehicle height
- Roof variant specially aligned with the requirements of camper van body manufacturers

This makes it possible to produce a roof variant more closely aligned with the requirements of camper van manufacturers compared with the standard chassis. Thanks to pre-installation in the bodyshop, the overall vehicle height can be reduced – particularly for camper vans. A clearly defined attachment level is available to the body manufacturer – complex bodyshop modifications are not necessary



## Cup Holders in Passenger Compartment



### Details & Technology

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Unit slides out to the front below the seat cushion to allow cups or other drinking containers to be put down at shin level. Provisions for two cup holders are integrated into each unit.

The 2 three passenger bench seats have two cup holder units. The four passenger bench seat does not have cup holders.

### Benefits & Arguments

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- Allows drinks to be temporary stored

Allows drink containers to be put down safely in the passenger compartment.

## Storage Compartment for Super High Roof



### Details & Technology

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In the space between the roof and the cab roof lining, panel vans with super-high roof (Code D05, D06) have an over-cab stowage compartment which is accessible from the load compartment.

Dimensions: Approx. W 51" x H 13.5" x D 21.5"

Max Load: **77lbs**

### Benefits & Arguments

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- Additional stowage facility

The stowage compartment provides additional space for papers, documents or objects

## Shelf above Windscreen



### Details & Technology

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Installation of an open stowage facility for the driver and co-driver above the windscreen, with a load capacity of 16 kg on each side.

Openings in the stowage facilities allow the occupants to easily see any stowed items from their seats.

A raised lip around the edge prevents stowed items from falling out. The side grab handles for the driver and co-driver are an integral part of the stowage facility.

### Benefits & Arguments

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- Additional stowage facility
- Additional grab handles for a safe hold

The stowage compartment provides additional space for tidy stowage of papers, documents or objects. The two grab handles also provide another option for holding on.

## Storage Slot at Front U/ Roof liner



### Details & Technology

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An opening (1 DIN slot) in the headliner above the windshield is provided with a four-pin connector. A plastic plate covers the opening.

The connector consists of:

- (terminal 30) +12 V battery direct power
- (terminal 15) ACC accessory power on
- (terminal 58d) display illumination
- (terminal 31) ground

### Benefits & Arguments

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- Can accommodate 1-DIN-sized equipment

The slot can be used for installing 1-DIN-sized equipment (e.g. CB radio).

## Hinged lid for storage compartment



### Details & Technology

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The storage compartment in the middle of the dashboard has a hinged lid. The compartment is opened with the handle on the hinged lid. The lid is spring loaded and stays in the open position. The hinged lid is closed by pushing it down until it locks into place.

### Benefits & Arguments

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- Concealed storage space

The storage compartment with hinged lid allows items such as a laptop or clipboard, personal items, documents (e.g. freight papers), maps etc. to be stowed out of sight and within easy reach.

## Chrome Trimmed Radiator Grille



### Details & Technology

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Chrome trim is applied to the three louvers in the radiator grille.

### Benefits & Arguments

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- Enhances the look of the vehicle

## Pre-wiring, rear view camera (Fleet only)

### **Details & Technology**

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Installation of a wire harness for retrofitting a reversing camera. The wires are located behind the center console in the vicinity of the radio and in the seat base frame. The video image can be displayed on the optional Audio 15 (EN7) radio.

### **Benefits & Arguments**

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- Easy installation of a reversing camera.
- Audio 15 can be retrofitted.



## Rear view camera



### Details & Technology

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The reversing camera or Back-Up camera enhances safety when reversing and maneuvering. The camera improves rearward visibility and the view of the vehicle's rear.

The image from the reversing camera is shown on the display of the required Audio 15 (EN7) upon engaging reverse gear. Once reverse gear has been disengaged, the image is switched off after a delay of 15 seconds. The display now shows guidelines for better assistance.

Display will be active within 2 seconds even if radio is switched off.

### Benefits & Arguments

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- Better rearward visibility and better view of the rear of the vehicle
- Enhanced safety when reversing and maneuvering and parking.

**Note:** Only available in conjunction with **EN7**. Integration of the image into the radio screen eliminates the need for an additional flip-up style monitor on the dashboard.

### Remarks

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The guidelines of the reversing camera will not be shown in the display in combination with the code W75 and W76.



## Exterior Mirror Extended (96")

### Details & Technology

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The chassis cab mirror is mounted on an extension bracket to accommodate bodies and upfits up to 96" wide.

### Benefits

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- Improves rearward visibility with extra-wide bodies

### Remarks

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Standard Chassis Cab mirror.

**Rear wall deletion – Chassis cab****Details & Technology**

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Deletion of cab rear wall for chassis versions. A cover (P08) is supplied for transport purposes.

**Benefits & Arguments**

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- Special bodies can be fitted which are directly accessible from the cab

Deletion of the cab rear wall allows body manufacturers to fit special bodies which are accessible from the cab.

**Remarks**

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Fleet order only.

## Security Alarm



### Details & Technology

Automatically activated/deactivated via the radio remote control. Alarm is triggered if:

- a door is opened,
- a door is opened from the inside,
- the bonnet is opened,
- the vehicle is raised at the front or rear,
- if movement is detected inside the vehicle
- or if the central locking system is unlocked using the key at a door other than the driver's door.

The Anti-Theft Protection package is armed approx. 30 seconds and the interior monitoring system approx. 40 seconds after the vehicle has been locked using the radio remote control. To confirm arming, the turn signal indicators flash three times, and the indicator lamp in the switch also flashes.

To prevent false alarms, the interior monitoring system should be deactivated if people or animals are to be left inside the locked vehicle.

Tow-away protection is provided by an inclination sensor integrated into the alarm control unit.

The self-powered horn is not accessible from outside the vehicle and is independent of the vehicle electrical system. It also sounds if the battery power is disconnected.

The ATA is disarmed when the central locking system is unlocked using the key fob.

**Benefits & Arguments**

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- Additional anti-theft protection
- Comprehensive anti-theft protection for vehicle and load.
- Audible alarm: intermittent sounding of the self-powered horn for approx. 25 seconds
- Visual alarm: the turn signal indicators flash for approx. 4 minutes at twice the normal rate.

## **Two additional master keys**

### **Details & Technology**

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Two extra master keys are provided in addition to the two keys supplied as standard.

### **Benefits & Arguments**

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- Customer is provided with four keys

There is no need to submit another order for two additional keys (e.g. for taxi companies or large fleets).

## 5 Speed Automatic Transmission



### Details & Technology

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The fully automated electrohydraulic 5-speed transmission transfers power to the wheels via a torque converter with integrated lockup clutch. The lockup clutch minimizes power loss or slip across the torque converter and can engage in all gears, depending on engine speed and load. This system allows upshifts to be performed smoothly and almost instantaneously.

Selector lever position **P** activates a parking lock. Selector lever position **P** is the only position in which the ignition key can be released. The selector lever can only be moved out of position **P** when the brake pedal is depressed and the ignition switched on.

In selector lever position **D**, the vehicle always moves off in 1st gear, and the transmission control unit subsequently selects the most appropriate gears automatically based on engine speed and road speed. Upwards of approx. 6 km/h (3.7mph), it is not possible to change from **D** to **R**.

When the transmission is in automatic mode (**D**), it is possible to the shift range by nudging the selector lever towards - or +.

Each time the selector lever is nudged from position **D** towards -, the shift range is reduced by one gear, conditions permitting. To prevent excessive engine speeds and maintain the power flow, downshift requests which would cause the engine to overrev are not carried out. If the selector lever is pressed towards - and held, the transmission changes down by several gears, conditions permitting.

Each time the selector lever is pressed towards + the shift range moves up a gear, before finally the transmission changes to automatic mode (**D**). If the selector lever is pressed towards + and held, the transmission changes to automatic mode and shifts accordingly.

**Transmission ratios:**

1st gear  $i = 3.595$

2nd gear  $i = 2.186$

3rd gear  $i = 1.405$

4th gear  $i = 1.000$

5th gear  $i = 0.831$

$i$  overall = 4.326

Reverse  $i = 3.167$

**Benefits & Arguments**

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- Very smooth shifting
- Long service life and high reliability
- Low maintenance costs
- Makes the driver's job easier

The W5A380 features smooth gear shifting, well-spaced gear ratios, long service life and high reliability as well as low maintenance costs.

Dispensing with manual shift and clutch operations makes things easier for the driver, particularly in stop-go conditions, and allows the driver to concentrate fully on the traffic conditions. This transmission offers easier moving off, maneuvering and parking, particularly on gradients or inclines.

Manual downshifting allows the full engine braking effect to be utilized.

**Remarks**

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**CAUTION:**

The parking lock is not an alternative to the parking brake!

The parking brake should therefore **always** be applied when parking and switching off the engine.

For towing information, please consult the user manual.

## 7G Tronic Automatic Transmission



### Details & Technology

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The new 7G-TRONIC PLUS 7-speed automatic transmission with fully integrated, electrohydraulic transmission control has been adapted to specific van requirements in terms of reduced fuel consumption/emissions and smoother shifting.

Power is transferred to the wheels via a torque converter with integrated lockup clutch. The lockup clutch minimizes power loss or slip across the torque converter and can engage in all gears, depending on engine speed and load. This system allows upshifts to be performed smoothly and almost instantaneously.

There are 7 forward gears and 1 reverse gear available. The new automatic transmission's fifth forward gear is configured for direct drive, while gears six and seven have longer ratios to reduce the engine speed and thus cut fuel consumption.



**Key technical data**

Transmission designation	W7T700
1st gear	4.377
2nd gear	2.859
3rd gear	1.921
4th gear	1.368
5th gear	1.0
6th gear	0.82
7th gear	0.728
Reverse	3.416
Max. input torque	700 Nm
Weight incl. converter and oil	approx. 203lbs
Oil filling quantity	approx. 2.9gal
Installed length in conj. with OM651	25.6"

As before, the gearshift (gate-type gearshift P, R, N, D) for the 7G-TRONIC PLUS automatic transmission is integrated in a center console built into the vehicle interior.

The following selector lever positions are possible:

P = parking interlock and engine starting position

R = reverse gear

N = neutral and engine starting position (no transfer of power)

D = all 7 forward gears are available in the shift range

Selector lever position P activates a parking lock. Selector lever position P is the only position in which the ignition key can be released. The selector lever can only be moved out of position P when the brake pedal is depressed and the ignition switched on.

The current transmission mode in the selected shift range is shown on the instrument cluster display. Various transmission modes cannot be selected. In selector lever position D, the vehicle always moves off in 1st gear, and the transmission control unit subsequently selects the most appropriate gears automatically based on engine speed and road speed. Upwards of approx. 6 km/h [3.7mph], it is not possible to change from **D** into **R**. When the transmission is in automatic mode (**D**), it is possible to limit the shift range by nudging the selector lever towards - or +.

Each time the selector lever is nudged from position **D** towards -, the shift range is reduced by one gear, conditions permitting. To prevent excessive engine speeds and maintain the power flow, downshift requests which would cause the engine to overrev are not carried out. If the selector lever is pressed towards - and held, the transmission changes down by several gears, conditions permitting. Each time the selector lever is pressed towards + the shift range moves up a gear, before finally the transmission changes to automatic mode (D). If the selector lever is pressed towards + and held, the transmission changes to automatic mode and shifts accordingly.

### Benefits & Arguments

---

- Very smooth shifting
- Long service life and high reliability
- Low maintenance costs
- Low fuel consumption
- Makes the driver's job easier

Features of the 7G-TRONIC PLUS automatic transmission include smooth shifting, well-spaced ratios, long service life, high reliability and low fuel consumption.

Dispensing with manual shift and clutch operations makes things easier for the driver, particularly in stop-go conditions, and allows the driver to concentrate fully on the road and traffic. This transmission offers easier starting from rest, maneuvering and parking, particularly on gradients.

Manual downshifting allows the full engine braking effect to be utilized.

### Remarks

---

#### **CAUTION:**

The parking lock is not an alternative to the parking brake!

The parking brake should therefore **always** be applied when parking and switching off the engine.

## Warm/Cold air duct to rear passenger compartment



### Details & Technology

An additional air supply duct is fitted, with an air outlet in the rear part of the area between the driver's and co-driver's seat base frames. The sturdy outlet is integrated between the floor panel and floor covering in front of the first row of seats.

If Passenger Bench seat (S23) is ordered the outlet will be integrated into the seat base.

The air duct is connected to the heating/climate control system, whose controls are used to adjust the air supply.

- Standard on passenger vans, optional on crew and cargo vans.

### Benefits & Arguments

- Enhanced comfort for passengers in the rear compartment
- Improves the warm/cool air supply to the passenger/load compartment.
- Improves passenger comfort and well-being by providing enhanced heating/cooling.

## Heat Insulation rear compartment



### Details & Technology

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Insulation material is fitted up to belt rail in the side walls of the load/passenger compartment and in the rear doors.

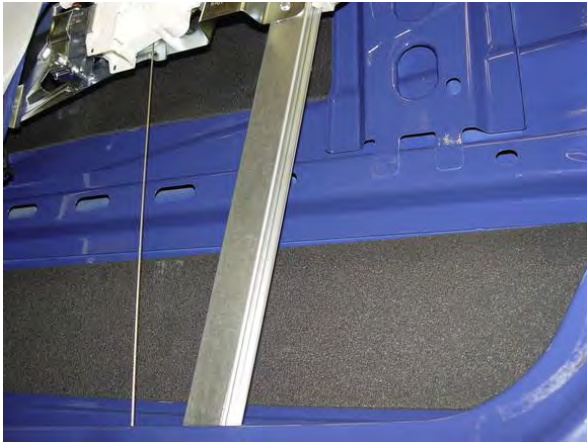
### Benefits & Arguments

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- Reduced heat loss at low ambient temperatures

The insulation reduces heat losses at low outside temperatures.

## Heat Insulation front compartment



### Details & Technology

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The doors are fitted with additional insulation mats. The rear wall of the cab is also fitted with additional insulation, except in conjunction with Code FW1 (omission of rear cab wall).

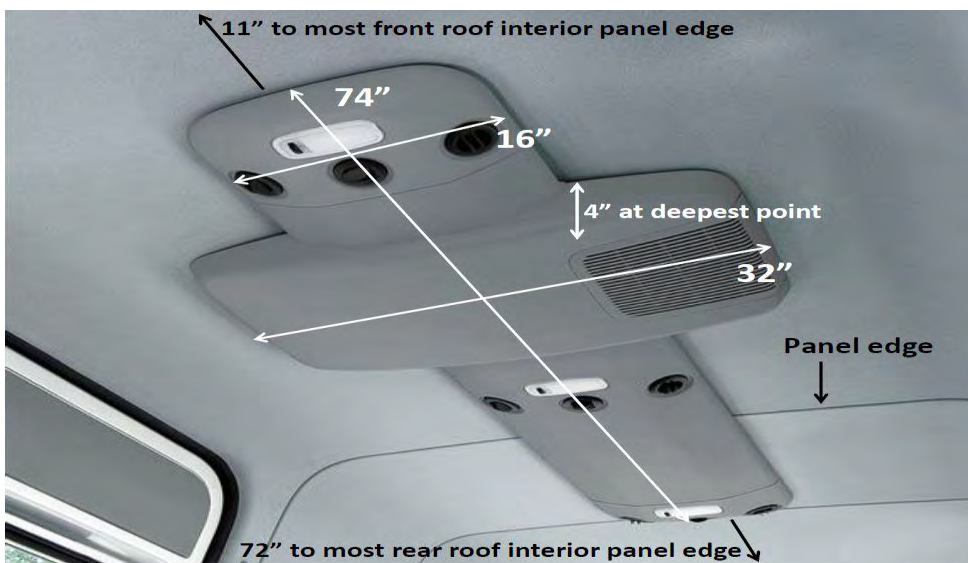
### Benefits & Arguments

---

- Reduced heat loss at low ambient temperatures

The insulation reduces heat losses at low outside temperatures.

Air conditioning rear, roof-mounted



ex. 170"Ext. WB

Details & Technology

The high-performance air conditioning system is fitted over the rear compartment. It is driven by its own compressor and has a maximum cooling capacity of approx. 7 kW [23,900 BTU] (in addition to HH9). The roof-mounted unit also extends partially into the interior of the vehicle (see picture above for approximate measurements). The H08 air conditioning system supplements the cooling provided by HH9 (TEMPMATIC air conditioning system), though it is also possible to activate and adjust it independently. The system operates only in recirculation mode and only in cool mode. It is controlled by a separate switch, which allows three fan speeds to be selected, and by a continuously variable temperature selector. The cooled air is supplied via adjustable outlets on the underside of the roof duct. The airflow direction can be individually adjusted and, if desired, the air supply can be shut off completely. The roof duct reduces the interior height of the vehicle [2"- 4"] Two or three interior lights, depending on wheelbase, are integrated into the roof duct. They are switched on and off by the door contact switch or individually at each light.

Benefits & Arguments

- Optimized interior climate in rear section
- Must-Have for comfort and well-being for passengers in the rear for hot climates
- Improved interior air quality

Cool interior climate thanks to additional cooling of the air supply in the rear. This system is particularly recommended for vehicles operating in regions with a very hot climate. Allows the rear passengers to adjust the outlets individually and thus enhances their comfort and well-being. Improves the interior air quality thanks to pollen and particulate filter.

**Remarks**

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**Caution:**

Increases the overall height of the vehicle by approx. 220 mm [approx.9"]



## Fuel-fired pre-heater/booster (17,000 BTU)



### Details & Technology

A fuel-powered (5 kW [17,000 BTU]) auxiliary heater is mounted underneath the floor in the area of the left-hand B-pillar. The auxiliary pre-heater warms the coolant and can be used in cold climates to preheat the engine. The pre-heater is turned on and programmed via a rocker switch in the instrument cluster, optional remote controller HY1 or with the steering-wheel buttons.

While used as a booster, with the engine running, the increase in coolant temperature heats the driver section via the water circuit of the front-end heater. The air is supplied to the interior through the existing air outlets in the instrument panel or optionally H00 and H13.

Maximum operating time is 60 minutes, at which point the heater switches off automatically. When the engine is running, the auxiliary heater can be used as a heater booster, supplementing the front-end heater.

When the aux heating mode turns off, the heater automatically switches to booster mode.



## Benefits & Arguments

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- Comfortably warm interior
- Aids defrosting of the windows
- Protects the engine by preheating the coolant prior to starting

This system is particularly recommended for vehicles with BlueTEC engines which will be used in very cold climate regions. Since these engines are extremely efficient, their thermal energy may not always be sufficient, at extremely low ambient temperatures, to guarantee a comfortable level of warmth in the cab. The stationary heating function allows the interior to be warmed even before the engine is started, so the driver can step into a pleasantly warm vehicle right from the start.

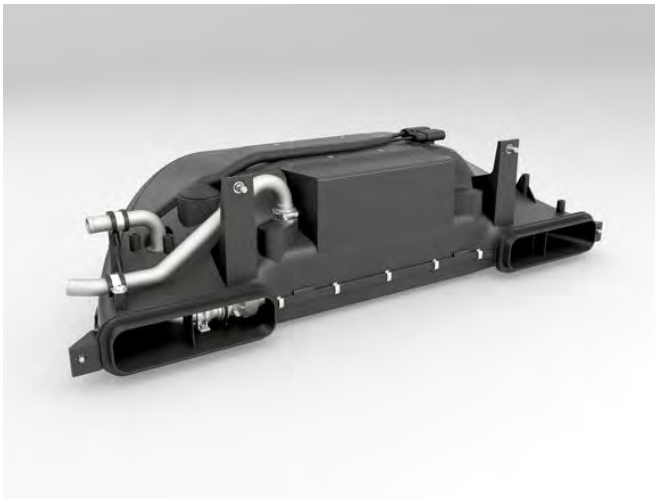
## Remarks

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### **Note:**

As of 01/2010 US emission regulations require the heater booster to be only optional with outside temperatures below  $< 4^{\circ}\text{C}$  ( $39.2^{\circ}\text{F}$ ).

## Rear Cabin Heater and Vents



### Details & Technology

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An auxiliary heat exchanger is connected to the water circuit in parallel with the front-end heat exchanger. The heat exchanger is installed under the floor behind the B-pillar, on the left-hand side of the vehicle. The control panel, with controls for temperature and air volume, is situated in the instrument panel. The warm air is routed upwards through the floor panel and enters the load compartment/passenger compartment via a duct bolted to the wood floor.

- H13 requires HZ9, H12, HZ5 and H13 is not available in combination with T19
- The auxiliary heat exchanger can only be switched on when the engine is running

### Benefits & Arguments

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- Provides warm air flow for rear passenger compartment

Improved effectiveness when heating the load/passenger compartment when the engine is switched on

## Heated front passenger seat



### Details & Technology

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Heating filaments in the seat cushion and backrest of the co-driver's seat heat the seat as soon as the switch on the instrument panel is pushed.

On vehicles with passenger bench seat (Code S23), both seat cushions and the backrest of the outer seat are heated.

There is a choice of three settings. The output reduction is matched to these three levels. Five minutes after activation the system automatically switches from level three to level two. After another ten minutes the system switches to the lowest level, which must be switched off manually.

### Benefits & Arguments

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Cold seats can be warmed up immediately, even before the vehicle heating system has had a chance to warm the interior. In cold weather, comfort is ensured right from the start of the journey.

## Heated Driver Seat



### Details & Technology

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Heating filaments in the seat cushion and backrest of the driver's seat heat the seat as soon as the switch on the instrument panel is pushed. There is a choice of three settings. The output reduction is matched to these three levels. Five minutes after activation the system automatically switches from level three to level two. After another ten minutes the system switches to the lowest level, which must be switched off manually.

### Benefits & Arguments

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- Improved comfort in cold weather

Cold seats can be warmed up immediately, even before the vehicle heating system has had a chance to warm the interior. In cold weather, comfort is ensured right from the start of the journey.

## Windshield- Tinted

### Details & Technology

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Green (slightly greenish) tinted windows all around.

The front windshield is green tinted laminated glass, while the other windows are of single-layer safety glass.

### Benefits & Arguments

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- Significantly reduces heating of the interior

Due to the tinting, heating of the interior is reduced when the vehicle is exposed to direct sunlight. This also reduces heating of the steering wheel and instrument panel.

## Windshield with filter band



### Details & Technology

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Green-tinted glazing, with darker tinting along the upper edge of the windscreen. The windscreen is of laminated glass, while the other windows are of single-pane safety glass.

### Benefits & Arguments

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- Reduces heating of the interior
- Prevents dazzle when the sun is low
- Enhances the look of the vehicle

The tinting reduces heating of the interior when the vehicle is exposed to direct sunlight, and thus also reduces heating of the steering wheel and dashboard. The filter band reduces dazzle when the sun is low in the sky, but without impairing the driver's view of traffic lights.

## Defroster – Rear Window



### Details & Technology

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Windows with heating filaments are fitted in the rear doors. The rear window heating function is switched on by means of a switch with integral indicator light. The rear window heating function can only be switched on when the engine is running. It switches off automatically after approx. 5 minutes, or can also be switched off manually using the switch.

### Benefits & Arguments

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- Ice on the rear windows is quickly thawed
- No fogging of rear windows
- Improved rear view of traffic

Prevents fogging of the rear windows in damp weather and at low outside temperatures. Ice on the rear windows is quickly thawed. Unimpeded rearward visibility ensures safe driving and maneuvering.

## Roof Fan - electric



### Details & Technology

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Installation of an electric roof fan with air intake and venting function and an air delivery volume of 350 m<sup>3</sup>/h [206 ft<sup>3</sup>/min].

Maximum power consumption is 32 W. It is operated via a switch to the left of the steering wheel. Installation of the fan increases the overall height of the vehicle by 125 mm [5 inches]

### Benefits & Arguments

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- Improved air intake and venting in the load compartment



## Rear Heater - Prep

### Details & Technology

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Two water lines (supply line/return line) are routed under the floor panel on the left-hand side of the vehicle, extending aft of the B-pillar. The ends of the two lines are connected by a hose. Bodywork modifications for installation of a heat exchanger, the aperture in the wood floor for the warm air ducting and electrical parts are not included.

### Benefits & Arguments

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- Simplifies installation of the aftermarket heat exchanger in the rear passenger compartment.

The pre-installation package is recommended for body manufacturers who offer their own – not ex-factory – hot-water heating systems.

### Remarks

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Rear Heater Prep is **not available** with left-side sliding door or on Cab Chassis.

## **Air conditioning system pre-installation**

### **Details & Technology**

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A factory specific code that is required for the US installation for a rear air condition H08.

## Heater – Auxiliary Elect Hot Air

### Details & Technology

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The heater booster consists of radiator elements (fins) which are fitted with PTC (positive temperature coefficient) resistors and are held together in a mounting frame by spring clips. When an electric voltage is applied to the heater elements, an electric current flows through the PTC resistors, which heat up. The fins absorb the heat and radiate it to the passing air. As soon as the engine is running, the electric heater booster steadily increases its power from 0 to 100% in the space of 28 seconds.

The heater booster is situated in close proximity to the air outlets, to keep heat losses to a minimum. The warmed air is circulated into the interior via the vehicle heater/blower system

#### Switch-on conditions:

Coolant temp. < 80 °C [176°F] and ambient temp. < 10 °C [50°F].

#### Switch-off conditions:

Coolant temp. > 80 °C [176°F] and ambient temp. > 13 °C [55°F]

### Benefits & Arguments

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- Aids quick defrosting of the windows
- Quick defogging
- Quicker warming of the interior
- Environmentally friendly, robust, long service life

The electric PTC heater booster is environmentally friendly, since no emissions are generated. Despite its lightweight, compact design it is robust, has a long service life and is highly efficient. The PTC resistor has self-regulating properties that prevent overheating. The heater booster accelerates defrosting of windows and counteracts window fogging. It provides faster heating of the interior and improves comfort on cold days.

### Remarks

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Standard on all models.

## **Air conditioning system pre-installation**

### **Details & Technology**

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A factory specific code that is required for the US installation for a rear air condition H08.

## Air Conditioning - Front



### Details & Technology

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The standard heating and ventilation system has an integrated air conditioning system with a maximum cooling output of approx. 7 kW [23,900BTU]. The automatic temperature control maintains the temperature selected via the rotary temperature control.

A sensor regulates the intensity of the cooling. When the air conditioning is switched on, the fan automatically comes on at speed 1. Speeds 2, 3 and 4 can be selected manually. In high ambient temperatures and high humidity, the interior can be cooled quickly by selecting fan speed 4 and air recirculation mode. The air conditioning can be switched on and off with a switch on the instrument panel. System specification includes a combination filter. The combination filter removes particulate matter and fine particles from the incoming air. The filter has a service life of approx. 30,000 km [18,600 miles] or one year under normal operating conditions.

### Benefits & Arguments

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- An agreeable interior temperature is maintained even in hot weather
- Automatic temperature control
- Integrated filter protects against dust and pollen
- Dehumidification prevents fogging in cold, damp weather.
- The filter protects against allergic reactions by preventing pollen, dust and odors from entering the vehicle.

### Remarks

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HH9 Standard on all models.

## Remote Control Aux Heater



### Details & Technology

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The radio remote control can be used to switch the pre-heaters (H12 or HZ5) on and off. It has a maximum range of approx. 600 meters. [2000 feet]

This range can be reduced by proximity to interference sources, by any large obstruction between the remote control and the vehicle, by unfavorable positioning of the remote control or if the latter is used from inside a closed space.

Maximum heater operating time is 60 minutes. When the auxiliary heater is switched off using the remote control, the burner blower (H12 + HZ5) and the coolant pump (H12 only) continue to run for approx. 2 minutes.

### Benefits & Arguments

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- Remote control offers even greater comfort and convenience when using engine pre-heaters

## Heavy Duty Fuel-fired pre-heater/booster (34,000 BTU)



### Details & Technology

The dual-function hot-water auxiliary heater operates both as a heater booster and as an auxiliary (stationary) heater.

The booster (10 kW [34,000 BTU]) mode is activated automatically as a function of coolant temperature, whenever the engine is switched on. An indicator light comes on whenever the booster function is active. When the engine has been switched **OFF**, the heater booster continues to run for approx. 2 minutes.

The auxiliary heater (5 kW [17,000 BTU]) can be switched on with a switch with indicator light. The indicator light comes on whenever this function is active.

The maximum heating time is 60 minutes. Heating operation is also dependent on the coolant temperature. After the engine is switched off the auxiliary heater will continue to run for 15 minutes.

If both the auxiliary heater and heater booster functions are activated, the auxiliary heater has priority. After the auxiliary heater function has been switched off, either manually or automatically, the heater booster is activated automatically.

## Benefits & Arguments

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- Quick warming of the interior to a pleasant temperature
- Increased heating output aids quick defrosting of the windows

This system is particularly recommended for use in cold climates. The very high thermal efficiency of the diesel engines means that at extremely low ambient temperatures their thermal energy may not always be sufficient to guarantee quick heating and a comfortable level of warmth in the cab. The auxiliary heating function allows the interior to be warmed even before the engine is started. The driver can therefore step into a pleasantly warm vehicle straight away.

## Remarks

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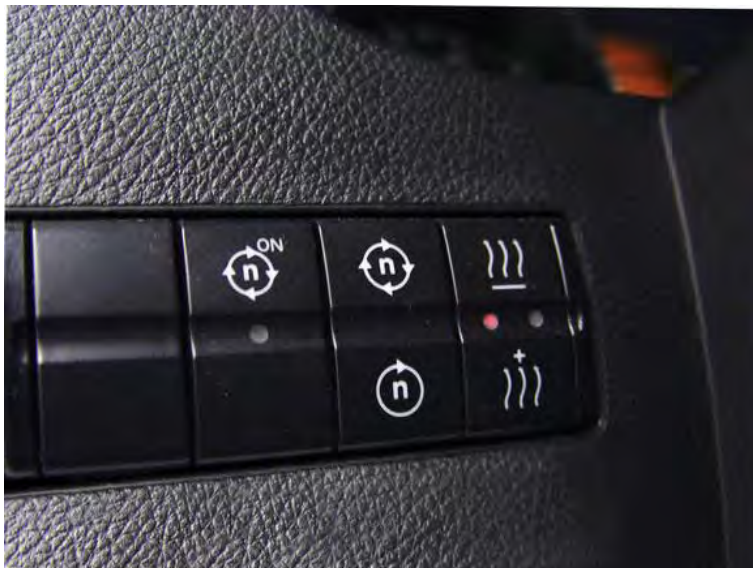
The heater booster/auxiliary heater functions cannot be operated if the fuel level falls below 15 liters [4 gallons].

### **Note:**

As of 01/2010 US emission regulations require the heater booster to be only optional with outside temperatures below  $< 4^{\circ}\text{C}$  ( $39.2^{\circ}\text{F}$ ).



## Heavy Duty Fuel-fired pre-heater/booster (34,000 BTU)



### Details & Technology

The dual-function hot-water auxiliary heater operates both as an engine pre-heater and as an auxiliary heater booster.

The engine pre-heater (5 kW [17,000 BTU]) can be switched on with a switch with indicator light. The indicator light comes on whenever this function is active.

The maximum heating time is 60 minutes. Heating operation is also dependent on the coolant temperature. After the engine is switched off the engine pre-heater will continue to run for 15 minutes.

The booster (10 kW [34,000 BTU]) mode is activated automatically as a function of coolant temperature, whenever the engine is switched on. An indicator light comes on whenever the booster function is active. When the engine has been switched **OFF**, the heater booster continues to run for approx. 2 minutes.

If both the pre-heater and heater booster functions are activated, the pre-heater has priority. After the auxiliary heater function has been switched off, either manually or automatically, the heater booster is activated automatically.

## Benefits & Arguments

---

- Quick warming of the interior to a pleasant temperature
- Increased heating output aids quick defrosting of the windows

This system is particularly recommended for use in cold climates. The very high thermal efficiency of the diesel engines means that at extremely low ambient temperatures their thermal energy may not always be sufficient to guarantee quick heating and a comfortable level of warmth in the cab. The auxiliary heating function allows the interior to be warmed even before the engine is started. The driver can therefore step into a pleasantly warm vehicle straight away.

## Remarks

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The heater booster/pre-heater functions cannot be operated if the fuel level falls below 15 liters [4 gallons].

HZ5 requires H13 to be fitted to allow for the excess heat produced during booster mode to be dispersed over the additional heat exchange in H13.

### **Note:**

As of 01/2010 US emission regulations require the heater booster to be only optional with outside temperatures below  $< 4^{\circ}\text{C}$  ( $39.2^{\circ}\text{F}$ ).

## Fuel-fired heater booster (17,000 BTU)



### Details & Technology

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The heater booster heater unit is a compact water heater that is connected to the engine coolant circuit.

The 5 kW [17,000 BTU] heater booster can be switched on whenever the engine is running. The on/off switch is situated to the right of the light switch. When the heater booster is switched on, a red indicator light comes on in the switch and a symbol lights up in the instrument cluster.

While used as a booster, with the engine running, the increase in coolant temperature heats the driver section via the water circuit of the front-end heater. The air is supplied to the interior through the existing air outlets in the instrument panel or optionally H00 and H13. After the heater booster has been switched off, the coolant pump and the burner blower continue running for approximately 3 minutes, then switch off automatically.

### Benefits & Arguments

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- Engine reaches operating temperature as quickly as possible
- Faster heater response

This system is particularly recommended for vehicles with BlueTEC engines which will be used in very cold climate regions. Since these engines are extremely efficient, their thermal energy may not always be sufficient, at extremely low ambient temperatures, to guarantee a comfortable level of warmth in the cab.

### Remarks

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Recommended for passenger vans in cold climate areas. Recommended for cargo vans without partition in cold climate areas.

### Note:

As of 01/2010 US emission regulations require the heater booster to be only optional with outside temperatures below  $< 4^{\circ}\text{C}$  ( $39.2^{\circ}\text{F}$ ).

## Speedometer km/miles



### Details & Technology

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The speedometer dial is calibrated in miles.

### Benefits & Arguments

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- The speed indication in the digital display can be given in km/h and mph

## Seat Belt Reminder for Driver



### Details & Technology

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A warning light and buzzer are triggered if the driver's safety belt is not fastened at the start of the journey.

### Benefits & Arguments

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- Indirectly enhanced passive safety

Reminds the driver to fasten the safety belt, thereby indirectly increasing passive safety

## Outside Temperature Gauge



### Details & Technology

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Temperature sensor in front bumper with digital display in instrument cluster.

### Benefits & Arguments

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- Displays the current outside temperature

The temperature display gives the driver advance warning of icy conditions.

## **Sealing of Speedometer Drive**

### **Details & Technology**

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Sealed electronic interfaces at the instrument cluster and transmission.

### **Benefits & Arguments**

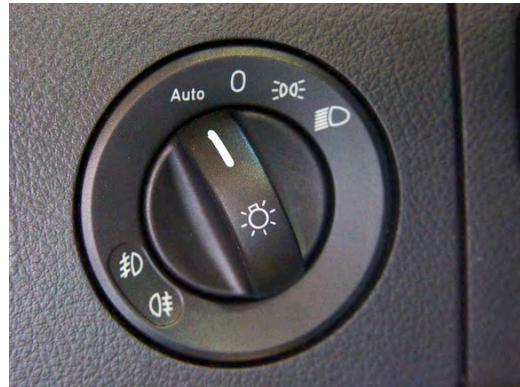
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- Provides anti-tampering protection

Recommended for rental vehicles to prevent tampering with the speedometer



## Light and Rain Sensor



### Details & Technology

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Installation of a combined rain/light sensor in the base of the interior mirror. Depending on the light switch position, the low-beam headlamps are switched on when it gets dark, when the vehicle enters a tunnel, or when rain or snow are falling. The light sensor continuously compares the ambient light level outside the vehicle with a set value and, when appropriate, automatically switches the headlamps on and off.

Depending on the position of the windscreen wiper combination stalk, the windscreen wipers too are automatically activated when conditions require.

The sensor aims an infra-red light beam at the windscreen at a defined angle. The intensity with which the light is reflected back varies according to how wet the windscreen is. Based on the amount of reflected light, the system adjusts the wiper interval to anything from a single wipe to continuous wiping.

The sensing zone is heated to prevent icing and condensation.

### Benefits & Arguments

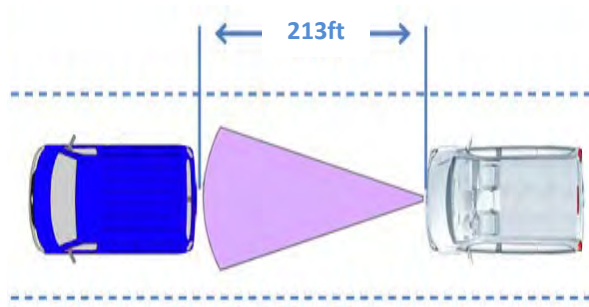
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- Automatically controlled optimal wiping interval
- Low-beam headlamps switched on and off automatically

Stress-free driving is ensured at all times, even in poor weather, since the driver does not have to adjust the wiping interval manually. If only isolated drops are falling, wiping is not triggered prematurely. The ideal wiping interval is ensured under all weather conditions. The headlamps are switched on and off automatically in response to changes in the ambient light level outside the vehicle.



## Collision Prevention Assist



### Details & Technology

The COLLISION PREVENTION ASSIST is a radar-based collision warning system which recognizes an inadequate distance from a vehicle ahead in the speed range between 19mph up to vehicle top speed and stationary objects ahead of the vehicle between 19mph and 43mph with a gap up to 65 m [213 feet]. The radar unit is mounted on the right side behind the front bumper.

When the inadequate distance respectively a danger of a collision is detected, the system emits a visual- and additional- in step two an acoustic warning whereby the driver needs to initiate the brake application actively. The Brake Assist PRO supports the driver during this brake application with increased brake pressure.

- Step1: Static distance warning  
The **visual** warning (permanent warning light in the instrument cluster) will be activated when vehicle ahead is recognized and the gap is too low. The static distance warning operates only compared to moving objects and as of vehicle speed of 19mph
- Step2: Dynamic drive warning  
The dynamic rear-end warning will be activated when the own vehicle draws nearer to the vehicle ahead with high speed or high acceleration. In this case, the system emits a **visual** (warning light flash fast) as well as an **acoustic** warning (two sounds).

The COLLISION PREVENTION ASSIST is always active and can be deactivated via the pushbutton in the upper control panel. With the deactivation of the system the warning light in the Low-Line instrument cluster flashes the warning light stays switched on and additionally an "OFF" is shown for 4s.

The High-Line instrument cluster shows a message about the system deactivation additional to the warning light.

Brake Assist Pro with COLLISION PREVENTION ASSIST:

The Brake Assist is always active and monitors the current driving conditions and situations in the speed range between 19mph and vehicle top speed. The system **cannot** be deactivated by the driver. The Brake Assist Pro calculates the ideal precise braking force needed to avoid an accident when a danger of a collision is detected and makes the best possible use of any distance remaining. This means that the driver behind also has better chances of preventing a rear end collision. The Brake Assist PRO supports the driver during this brake application with increased brake pressure.

### Benefits & Arguments

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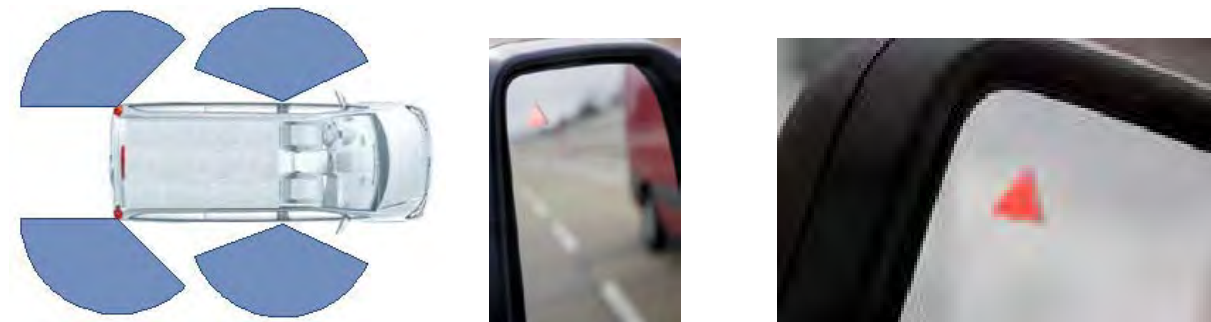
- Collision Prevention Assist is passive safety system that helps the driver avoid accident and rear end collisions
- Visual and acoustic warnings signal an imminent collision and alert the driver

### Remarks

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**Caution:** Please contact Sprinter Sales Engineering prior to painting or wrapping the bumper.

## Blind Spot Monitoring



### Details & Technology

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The Blind Spot Assist detects vehicles in the blind spot with four individual, near-range radar units mounted behind the b-pillar panels and behind the rear bumper. If a vehicle is detected in the blind spot, a red triangle is displayed in the respective exterior mirror. If, despite this visual warning, the driver still indicates to change lane, the red triangle flashes and an acoustic warning is also given to escalate the threat level and alert the driver.

The system is active at speeds from 19mph up to vehicle top speed. Below 19mph, a yellow triangle symbol in the side mirror indicates that the system is not active. The prevents false alarms during parking and/or low speed maneuvers.

The Blind Spot Assist is always active and can be deactivated via the push-button in the upper control panel. With the deactivation of the system a yellow triangle symbol in the side mirror indicates that the system is not active. A red and yellow triangle symbol in the side mirror indicates that the system is ready-to-operate with the engine start (self-test).

### Benefits & Arguments

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- Aids in lane changes and can help to prevent blind spot related collisions

### Remarks

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**Caution:** Please contact Sprinter Sales Engineering prior to painting or wrapping the bumper and/or b-pillar panels.

## **Crosswind Assist**

### **Details & Technology**

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Crosswind Assist detects strong gusts of crosswind and helps the driver to stay on course. At speeds of 50 mph and over it corrects the vehicle's course by means of automatic braking intervention on the wheels on the side of the vehicle facing the wind. The specific braking intervention by Hydraulic Brake Assist which is activated by ADAPTIVE ESP® produces a yaw response which markedly reduces the track offset. In this way, Crosswind Assist gives the driver a substantially enhanced feeling of safety and prevents inappropriate reactions. The system filters out weak crosswind signals and Crosswind Assist becomes active only when a certain threshold is exceeded. Crosswind Assist is available for crew buses and panel vans in the standard, long and extra-long body variants and in the 3.5 t and 3.88 t weight variants.

### **Benefits & Arguments**

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- Helps to keep the vehicle on course in strong crosswinds
- Corrects the course by means of automatic braking intervention
- Helps to avoid inappropriate reactions by the driver

## Pixel matrix display



### Details & Technology

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The instrument cluster with pixel matrix display consists of an analogue speedometer (left), a rev counter with fuel gauge in the lower part of the dial (right) and a two-part pixel matrix display (center). The white dials, along with their needles and scales, are backlit by LEDs. The pixel matrix display is illuminated by yellow LEDs (red LEDs for warning messages in the upper status field).

The pixel matrix display shows a range of information, including display settings, time of day, auxiliary heater status, lighting and tire pressure information, speed limiter setting, warning messages and audio, navigation, telephone and trip computer functions.

Most operations can be performed from the multifunction steering wheel (Code CL4).

### Benefits & Arguments

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- More information can be displayed

The pixel matrix display offers enhanced display and information capabilities. Part of the indicator light strip has been replaced by symbols and messages in the pixel matrix display for a cleaner look and greater clarity.

## Driving Assistance Package

### Details & Technology

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The Driving Assistance package is comprised of COLLISION PREVENTION ASSIST, Lane Keeping Assist, Blind Spot Assist (for cargo and passenger van only) and Highbeam Assist. It is designed to reduce the risk of accidents in many situations and to improve driving comfort.

#### **COLLISION PREVENTION ASSIST (Code JA6)**

The COLLISION PREVENTION ASSIST driving assistance system enhances active driving safety. It combines a radar-based distance warning function with braking intervention by BAS PRO Brake Assist to help reduce the risk of a rear-end collision. The distance warning function of COLLISION PREVENTION ASSIST is based on a mid-range radar sensor incorporated into the front end of the vehicle which continuously monitors the distance from the vehicle ahead and its relative speed in a speed range for the driver's vehicle from 19 to 82mph. It is able to detect stationary objects up to a speed of 43.5mph

When the distance from the vehicle ahead remains below the safety margin for several seconds, a warning lamp appears in the instrument cluster. In the event of a fast further reduction in this distance as a result of high speed or strong acceleration, an intermittent tone will additionally sound. COLLISION PREVENTION ASSIST simultaneously activates BAS PRO Brake Assist. This system calculates the brake pressure that would be necessary to avoid a rear-end collision. If the driver now steps heavily on the brake pedal, BAS PRO will automatically increase the brake pressure as necessary to a level which is appropriate to the given situation. This also grants the traffic behind the longest possible time in which to react. In the event of emergency braking, ABS prevents the wheels from locking. Brake assistance by BAS PRO Brake Assist is discontinued when the brake pedal is released or when a danger of a collision no longer applies.

Switching COLLISION PREVENTION ASSIST on and off: The distance warning system does not require to be switched on, but can be switched off by means of a switch in the cockpit. BAS PRO Brake Assist is thus always active in the background.

The radar-based distance warning function may be impaired by

- snow
- rain
- soiled sensors
- other radar sources

Possible restrictions regarding the identification of obstacles:

- Narrow vehicles ahead, such as motorcycles
- Vehicles ahead which are offset to the side of the Sprinter's course of travel

The radar-based distance warning system will not respond:

- to people and animals
- to oncoming vehicles
- to crossing traffic
- in bends

**Lane Keeping Assist (Code JW5)**

Lane Keeping Assist incorporates a camera which is positioned on the inside of the windscreen. This camera is able to identify clear lane markings by analyzing differences in contrast between the road surface and the lane boundary lines. An electronic control unit processes the camera data and the driver's activities in order to determine whether the vehicle is leaving its lane intentionally or unintentionally. On identifying unintentional departure from the vehicle's lane, the system outputs an acoustic and visual warning. The danger of accidents resulting from microsleep or failing concentration is reduced in this way.

The system will not output any warnings in the following situations:

- When turning off
- When the turn indicator is activated
- When pulling back over into lane after overtaking
- Upon intervention by another safety system, such as ABS or ESP®

Components of Lane Keeping Assist:

- Camera on the inside of the windscreen
- Electronic control unit
- Image-processing software
- Signalling equipment for the acoustic warning

**Blind Spot Assist (Code JA7) (NOT for Cab Chassis)**

Blind Spot Assist is a safety system which detects vehicles in the blind spot and can help to avoid collisions by means of visual and acoustic warnings. The system employs four short-range radar sensors to monitor the blind spot in a range up to 10' feet behind and alongside the vehicle. The system is activated via the instrument cluster and is operational at a vehicle speed of 19mph or over. When a vehicle is located in the blind spot, a red illuminated triangle appears in the appropriate exterior mirror. If the driver activates the turn indicator despite this warning, an acoustic warning will additionally sound.

Indicators and warnings:

- When Blind Spot Assist is active, the yellow indicator lamp in the exterior mirrors is on up to a vehicle speed of 19mph.
- At speeds of 19mph and above, Blind Spot Assist is active and the yellow indicator lamp goes off.
- Whenever a vehicle moves into the blind spot monitoring range from the rear or the side, the red warning lamp is activated in the corresponding exterior mirror.
- When the driver is overtaking another vehicle, the warning is output only when the differential speed is less than 7.5mph.

- When a vehicle is detected in the blind spot monitoring range and the driver activates the corresponding turn indicator, a double warning tone sounds once and the warning light flashes.

#### Components of Blind Spot Assist:

- Four short-range sensors
- Indicating lights in the exterior mirrors
- Signaling equipment for the acoustic warning

#### **Highbeam Assist (Code LA1)**

Highbeam Assist is controlled by a camera behind the windscreen which continuously monitors the area in front of the vehicle and the traffic situation ahead of the vehicle. When the system does not detect any vehicles ahead or oncoming traffic in the reflection zone, high beam is switched on automatically. Highbeam Assist is activated when the rotary light switch is set to "AUTO" and the high beam function of the combination switch on the steering wheel is switched on. Permanent deactivation is possible via the instrument cluster. Highbeam Assist is active from a speed of 22mph and operates fully automatically. It is available both for halogen and for bi-xenon headlamps.

#### Components of Highbeam Assist:

- Camera on the inside of the windscreen
- Electronic control unit
- Image-processing software



## Alarm - Rear Backup

### Details & Technology

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When reverse gear is selected with the ignition switched on, an audible signal is activated. If reverse gear is engaged twice within 4 to 5 seconds, the volume of the reversing warning signal switches to the **quieter setting**. This procedure must be repeated every time a reversing operation is to be performed with reduced signal volume.

The reversing warning system **cannot be switched off**. Switching off the ignition reactivates the default setting. The horn for the reversing warning system is normally fitted on the inside of the end cross-member.

A sticker stating "Engage reverse gear twice in quick succession to set the reversing beeper to the quieter nighttime setting" is enclosed with the vehicle document wallet.

### Benefits & Arguments

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- Warns passers-by that a vehicle is reversing

An audible warning signal alerts passers-by that a vehicle is reversing.

### Remarks

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Choice of 2 signal volumes:

- a) Standard volume 90 decibels
- b) Nighttime volume max. 78 decibels and 68 decibels at a distance of 7.5 m [24.5ft]

## Deactivate Lamp Monitoring Failure

### Details & Technology

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This code deactivates the monitoring of the vehicle's exterior lighting system.

### Benefits

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- Makes it possible for aftermarket lamps to be fitted to the vehicle

Provided that the maximum lamp load is not exceeded, it is possible to connect further lamps to the vehicle's electrical system without the indicator lamp in the instrument cluster lighting up and an error being incorrectly recorded in the SAM control unit memory.

Body builders can fit lamps which are needed for the specific body.

License plate light:	1.0A
Backup light:	2.4A
Turn signal:	1.75A -1.96A (max 2.1Amp)
Fog light:	N/A (tape back)
Tail light:	1.0A

When using LED's, a resistor must be used to compensate for the lower AMP draw. Turn Signal LED's AMP draw is recommended to be between 1.75A – 1.96A (max 2.1Amp) otherwise rapid flashing will occur.

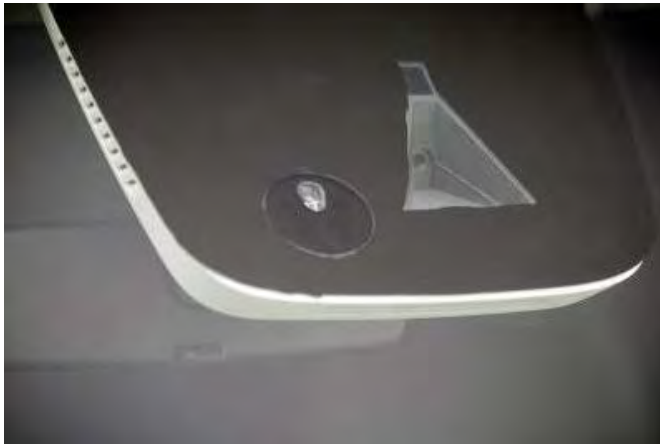
Please consult the Body Builder Information Book for further information.

### Benefits

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Standard on Chassis Cab.

## Lane Keeping Assist



### Details & Technology

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The code JW5, Lane Keeping Assist monitors the area in front of the vehicle at speeds from 37mph by means of a camera at the top of the windshield.

The system detects lane markings on the road and provides an **acoustic warning** when the vehicle passes the lane marking. The driver needs to correct the vehicle's course.

There is **no vibration** in the steering wheel.

The system can recognize maneuvers during which drivers leave their lane intentionally - when cutting a corner, for example, and thus does not issue a warning unnecessarily.

There is also no warning if the driver accelerating before overtaking or entering a highway, brakes heavily or enters a bend.

The Lane Keeping Assist is always active and can be deactivated via the push-button in the upper control panel. The deactivation of the system will be shown in the instrument cluster.

### Benefits & Arguments

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- Lane Tracking Assist can prevent accidents due to inattentiveness or fatigue where the driver is drifting out of its intended lane
- Acoustic signal alerts distracted or fatigue drivers (example: texting or eating)

## Exhaust Straight to Rear



### Details & Technology

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The exhaust pipe runs in a straight line to the rear and ends shortly before the rear of the vehicle.

### Benefits & Arguments

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- Rear-exiting exhaust
- Recommended for vehicles used in applications such as passenger transport and distribution work

**Standard on all models.**

## Fuel Tank – 26.4 Gallon



### Details & Technology

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Standard 26.4 Gallon Fuel Tank. Standard on all vehicles.

## Fuel Tank – 24.5 Gallon

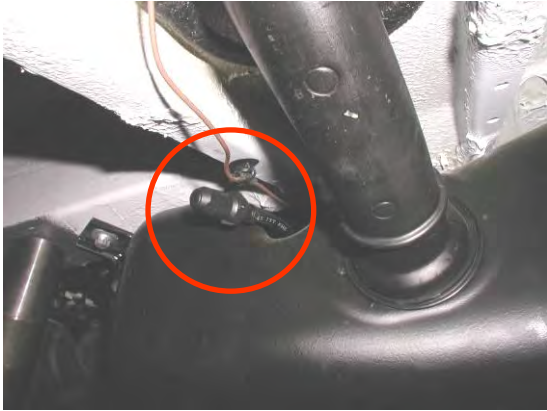


### Details & Technology

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On all 4x4 vehicles, a 24.5 Gallon Fuel Tank is fitted.

## Auxiliary Fuel Sending Unit w/ Fuel tap



### Details & Technology

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The fuel gauge sensor is fitted with an additional fuel connection to facilitate retrofitting of a fuel-powered auxiliary heater and/or generator. The fuel tank can be consumed down to approx. 5 gal.

A 'pig tail' (see picture) is located next to the fuel filler pipe and can be easily accessed from the driver side.

### Benefits

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- Simplified retrofitting of an auxiliary heater

### Benefits

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See the Body Builder Book for more information.

## Fuel filter w/Water separator



### Details & Technology

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On vehicles with diesel engines, a water separator and a sensor are fitted to the fuel filter. The water separator absorbs the water contained in diesel fuel with higher water content. A control lamp indicates that the water separator is full. For servicing and cleaning, see the Operating/Servicing Instructions.

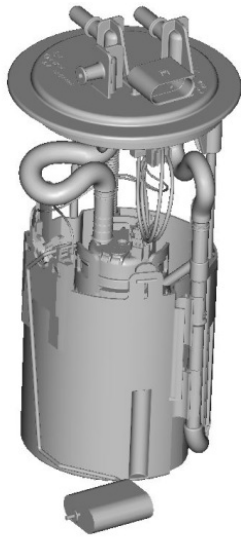
### Benefits & Arguments

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- Enhanced reliability when using poor-quality fuel

Enhanced engine reliability when using diesel fuel with a high water content



**Fuel Pump, electric****Details & Technology**

---

The electrically-controlled fuel pump (KP1) delivers only the necessary quantity of fuel with the required pressure. That means that it does not have to be in operation constantly, thus saving energy. This leads to a reduction in fuel consumption and consequently to reducing CO2 emissions as well.

**Benefits & Arguments**

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- Reduction of fuel consumption and CO2 emissions

## Fog lamps



### Details & Technology

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The halogen fog lamps are wide-beam headlamps integrated into the bumper. They therefore provide wide, near-field illumination. They can be switched on via the rotary light switch.

### Benefits & Arguments

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- Better visibility in adverse weather conditions

The H7 fog lamp improves illumination of the road in fog or heavy rain or snow without blinding oncoming traffic, and thus provides enhanced safety.

## Identification Lamps (LED)



### Details & Technology

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Vehicle marker and clearance lamps are required by law on all vehicles with a total width of 80 inches and above according to FMVSS / CMVSS standards. The lamps can be deleted with option V58.

### Benefits

---

The advantages of the LED technology at a glance:

- Extremely low energy consumption
- No light source replacement, no servicing
- Very long service life

## Ceiling Lights in Rear Compartment, LED



### Details & Technology

---

A ceiling light is fitted in the roof center at the rearmost roof bow. A second ceiling light is fitted centrally on the C-pillar bow.

The manual on/off switch is located on the rear portal light (standard equipment). The light is also switched on and off automatically, when the sliding door/doors and the rear doors are opened and closed.

Cargo compartment features LED technology with the following advantages:

- Extremely low energy consumption
- Very long service life
- Illuminance approx. 140 Lux at 1 m (3 ft)
- Light color 4000 K (neutral white) with 16 high-power LEDs

### Benefits

---

The lighting provides additional illumination in the load compartment, for a better view when loading and unloading.

## Interior Lights, cargo/passenger compartment



### Details & Technology

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Two additional ceiling lights are fitted at the roof frame on the side of the load/passenger compartment. A door contact switch turns the lights on and off when the load compartment doors are opened and closed. The lights can also be switched on and off by means of the switch for the standard light at the rear of the roof frame.

### Benefits & Arguments

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- Allows more light into load/passenger compartment

The ceiling lights allow the vehicle to be loaded and unloaded in the hours of darkness.

## **Light/motion sensor in load compartment**

### **Details & Technology**

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A motion sensor automatically activates the load compartment lighting if motion is detected in the load compartment when the vehicle is stationary.

### **Benefits & Arguments**

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- Automatic load compartment illumination

As soon as the driver/co-driver moves from the cab into the rear section, the lighting is automatically activated to provide improved illumination.

## Electrical Pre-installation for Load Compartment Lighting



### Details & Technology

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Instrument panel switch and wiring to rear cross-member. (Chassis Cab) .The interface supports bulb loads up to a maximum of 4 Amps and ohmic loads up to a maximum of 10 Amps.

### Benefits & Arguments

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- Simplifies retrofitting of load compartment lighting

Allows body manufacturers to install cargo compartment lights quick and easy.

Available for Chassis Cab.

## Wire Harness Tail Lamp w/ext Wiring

### Details & Technology

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The electrical lines leading to both tail lamps are approx. **6.5ft** longer than the standard-fit lines. They are rolled up and temporarily fastened to the frame.

### Benefits & Arguments

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- Makes it easy to fit the tail lights in a different position

The extended tail-light line serves as a pre-installation, e.g. for body manufacturers who wish to fit the tail lights in a different position.

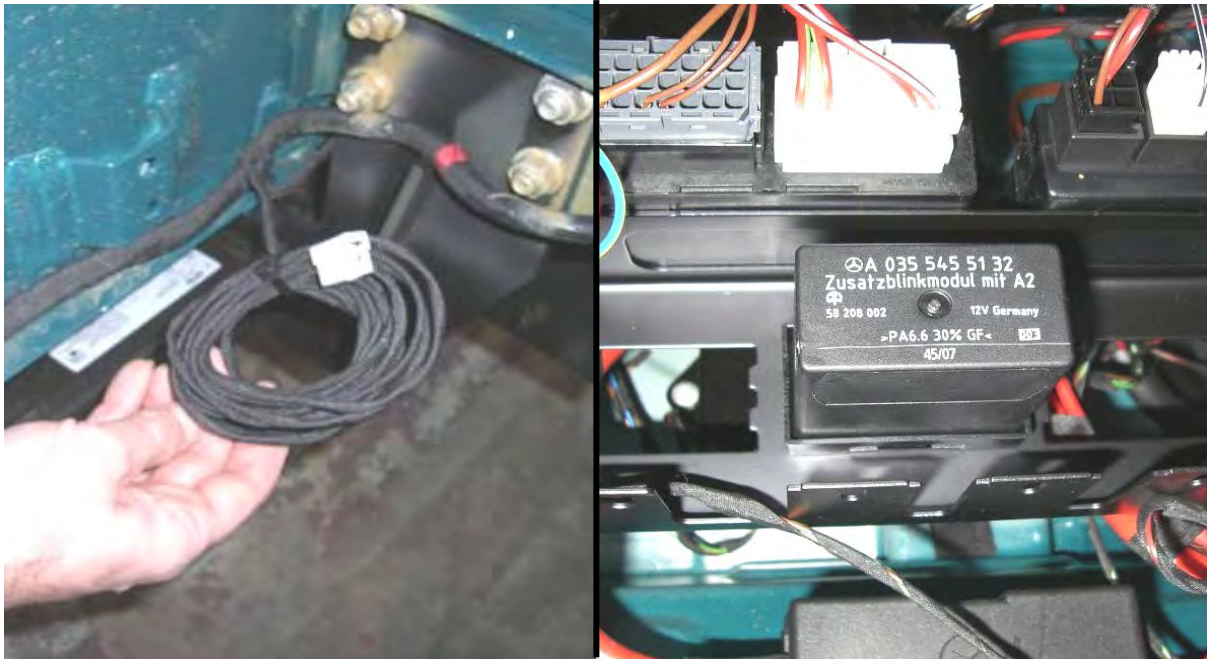
### Remarks

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See Body Builder Book for more information.



## Wiring for Additional Turn Signals



### Details & Technology

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Wiring for additional turn signals left/right, wire located at rear cross member, blink module located in driver seat pedestal.

### Benefits & Arguments

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- Easy fitting of additional direction indicators

The additional electric wiring makes to add additional turn signals on the body.

### Remarks

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If a vehicle is equipped this way and the customer does not wish to use the additional turn signal, simply remove the blink module located in the driver seat simply by pulling it upward.

Available for Chassis Cab.

## Tail Lamp Deleted

### Details & Technology

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The vehicle is supplied without lights or turn signal at the rear of the vehicle but with the relevant connector and wiring.

Body builders can fit aftermarket lamps:

License plate light:	1.0A
Backup light:	2.4A
Turn signal:	1.75A -1.96A (max 2.1Amp)
Fog light:	N/A (tape back)
Tail light:	1.0A

When using LED's, a resistor must be used to compensate for the lower AMP draw. Turn Signal LED's AMP draw is recommended to be between 1.75A – 1.96A (max 2.1Amp) otherwise rapid flashing will occur.

Please consult the Body Builder Information Book for further information.

### Benefits

---

- Pre-installation for alternative rear lights

Allows body manufacturers to fit alternative lights and direction indicators at the rear of the vehicle.

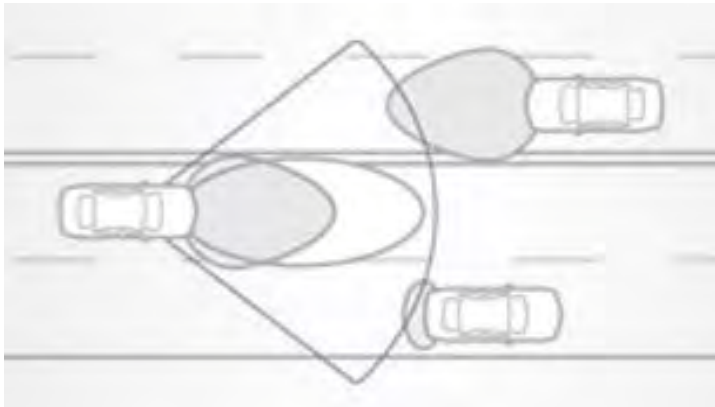
## **Parking Lights Deletion**

### **Details & Technology**

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Deletion of parking lights since all US/Canada vehicles are over 3.5t.

## High Beam Assist



### Details & Technology

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Highbeam Assist is controlled by a camera behind the windscreen which continuously monitors the area in front of the vehicle and the traffic situation ahead of the vehicle. When the system does not detect any vehicles ahead or oncoming traffic in the reflection zone, high beam is switched on automatically. Highbeam Assist is activated when the rotary light switch is set to "AUTO" **and** the high beam function of the combination switch on the steering wheel is switched on. Permanent deactivation is possible via the instrument cluster. Highbeam Assist is active from a speed of 22mph and operates fully automatically. It is available both for halogen and bi-xenon headlamps.

Components of Highbeam Assist:

- Camera on the inside of the windscreen
- Electronic control unit
- Image-processing software

### Benefits & Arguments

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- Ideal illumination of the road at all times without blinding oncoming traffic
- Automatic adjustment for enhanced comfort
- This Assist can be deactivated permanently in the instrument cluster or by the optionally available multifunction steering wheel, code CL4

## 3<sup>rd</sup> Brake Light

### **Details & Technology**

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An additional LED brake light is fitted at the rear edge of the panel van or passenger roof. The third brake light does not affect the height of the vehicle at the rear.

### **Benefits & Arguments**

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- Enhanced active safety

The LED-based brake light responds more quickly and is visible from afar. Particularly in bad weather, the better visibility provides enhanced safety without affecting vehicle functionality. Standard on Cargo, Crew and Passenger Vans.

## Illuminated Exit



### Details & Technology

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The exit lights are integrated in the driver's and co-driver's doors. They direct their light down onto the ground when the doors are opened.

If a rubber flooring is ordered for the cargo compartment/passenger compartment, a further exit light is fitted in the step trim of the sliding load-compartment door.

### Benefits & Arguments

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- Improves safety when getting in and out of the vehicle

As the doors opens, the exit lights turn on automatically.

## Overhead control panel with 2 reading lights



### Details & Technology

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The standard ceiling light in the cab roof is replaced by an overhead control panel with two reading lights which can be switched on and off separately. The switches are situated in the overhead control panel.

If the light is switched on **manually** by means of the switch in the overhead control panel, it is **automatically** switched off again after approx. 20 minutes.

### Benefits & Arguments

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- Optimal reading lights for the driver and co-driver
- Prevents the driver being dazzled

The reading lights provide targeted lighting for the driver and co-driver. Allows the co-driver to read maps and other documents, etc., without dazzling the driver thanks to targeted lighting.

### Remarks

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The overhead control panel also incorporates a spectacles compartment, unless the vehicle is fitted with an interior monitoring system (Code FY1, FZ4).

## Convenience lighting in passenger compartment



### Details & Technology

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The standard-fit interior lights have an additional switch on the dashboard a switch on the light in each seat row.

The switch on the light in each seat row only operates the designated light and has three settings: "Off", "On" and "Door contact". If the switch is in the "Door contact" position, the light comes on when the door is opened and goes off when the door is closed.

The switch on the dashboard allows the driver to activate or deactivate the switch settings for the lights in the rear.

All doors are fitted with door contact switches and the battery is discharge-protected.

### Benefits & Arguments

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- The lighting in the rear compartment can be switched on and off separately at each seat row

The load/passenger compartment lighting can be switched on and off from any seat in the vehicle.



## Bi-xenon headlamps



### Details & Technology

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The bi-xenon headlamps use xenon lighting technology to produce both the **low and high-beam lights**.

The light source is a gas HID (High Intensity Discharge) lamp which produces a luminous arc in a quartz bulb filled with a gas mixture. The same gas discharge bulb is used for both the low and the high-beam lighting.

With bi-xenon headlamps, **LED daytime driving lamps are included**. The LED daytime driving lamps will be switched on independently of the master light switch position with engine start. In this case further lights are not active. The LED daytime driving lamps dim down with the use of the low beam light. The daytime driving lamps can be switched permanently on/off at the instrument cluster or by the optionally available multifunction steering wheel, code CL4.

The high beam is produced using the full light beam, while the low beam is produced by moving a shutter between the bulb and the lens, so that the long-range portion of the light is blocked off, thus preventing blinding oncoming traffic.

**Sensor-controlled dynamic range adjustment** automatically counteracts changes in the angle of the headlamps caused by changes in the attitude of the vehicle when braking or accelerating, or due to changes in payload, and prevents blinding for oncoming drivers.

If the windscreen washer is operated when the headlamps are switched on, water jet nozzles are automatically extended and the headlamps are cleaned with a high-pressure jet.

### Benefits & Arguments

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- Significantly increased range in low-beam mode
- Wider illumination of the road perimeter in low-beam mode
- Long service life
- Automatic headlamp range adjustment prevents oncoming traffic from being blinded

### Remarks

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Vehicles with bi-xenon headlamps are fitted with automatic headlamp range adjustment and a headlamp cleaning system.

## Daytime Driving Lights



*Location on Standard Halogen Lights*



*Location on Optional Bi-Xenon Lights (LG0)*

### Details & Technology

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- In the standard halogen headlamps, **LG6** is realized with a halogen bulb
- All vehicles ordered with the optionally available Bi-Xenon headlamps, code LG0, will be equipped with the LED daytime driving lights
- Daytime driving lights will be switched on independently of the master light switch position with engine start
- Daytime driving lights dim down with the use of the low beam light
- Daytime driving lights can be switched on/off permanently at the instrument cluster or by the optionally available multifunction steering wheel, code CL4

### Benefits & Arguments

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- Daytime Running Lights enhance safety as vehicles can be noticed easily by other motorist
- LED Daytime Lights (if LG0 is equipped) enhance the Sprinter's a modern and aggressive lines

## **Third Brake Light Prep**

### **Details & Technology**

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A wiring harness fitted with a white four-pin flat connector is laid in the base of the driver's seat.

Two of the pins are wired, one with a brown ground cable with a cross-section of 1.5 mm and one with a black and yellow cable with a cross-section of 0.55 mm.

### **Benefits & Arguments**

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- Easy connection of the third brake light by a body manufacturer

This pre-installation enables the body manufacturer to connect the third brake light easily

## Clearance light prep



### Details & Technology

---

Connector for aftermarket identification lights. Located inside the driver seat pedestal. Is usually taped to the floor.

- clearance/ident. light prewire (red/yellow)
- ground (brown)

Fused with 7.5 AMP.

### Benefits & Arguments

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Allows identification and clearance lights to be retrofitted easily.

### Remarks

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This plug comes only with the 5 roof clearance lights.

## Alternator 14V/200 amp

### Details & Technology

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A high-output alternator rated at 14 V/200 A is fitted instead of the standard alternator, and only in conjunction with Code M47, alternator for Fuel Economy.

### Benefits & Arguments

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- Improved efficiency
- Increased output
- Reduced noise

The more powerful alternator increases the performance of the electrical system. It ensures that the increased power requirements of additional electrical equipment are met. It also ensures fast battery charging in vehicles frequently used on short-distance trips and at low temperatures.

### Remarks

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Only for Cylinder vehicles, and included with Code 4CE

## Alternator 14V/220 A



### **Details & Technology**

---

Standard high-capacity 14 V/220Amp alternator.

This alternator is automatically specified in conjunction with 6 Cylinder package, 6CE.

### **Benefits & Arguments**

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- Improved battery charging in short-distance operation
- Enhanced electrical system performance

The higher-capacity alternator enhances the performance of the electrical system in vehicles such as ambulances or fire-fighting vehicles. It meets the power requirements of high-consumption electrical auxiliaries such as tail gate lifts. It also ensures rapid battery charging in the case of frequent short-distance operation and operation in cold ambient temperatures.

## Alternator for fuel economy



### Details & Technology

---

The available Alternators 200A and 250A are indicated with code M47 as Generator for fuel economy with following advantages/product features at a glance:

- Increased efficiency
- Reduced noise
- Increased uprating
- Optimized weight

These innovations are results from an optimized stator package, use of high-efficiency-diode, better electrolyte level and solenoids.

## High Idle - Preset



### Details & Technology

---

This electronic RPM governor maintains a constant RPM, e.g. for auxiliary drive operation. Under load change, RPM may fluctuate by approx. +/- 50 RPM (depending on engine, load and RPM).

The standard factory setting is **1500 RPM**. Higher or lower RPM **can be programmed using the Star Diagnosis system**.

### Benefits & Arguments

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- Constant rpm

Necessary if a virtually constant rpm must be maintained in order to operate an auxiliary unit such as a pump.

### Remarks

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NOT suitable for operating 220V generators!

### Recommended for:

- Ambulances
- Shuttle services
- Applications with longer idle times



## Generator 14V/250A

### Details & Technology

---

A high-output alternator rated at 14 V/250 A is fitted instead of the standard alternator, and only in conjunction with Code M47, alternator for Fuel Economy

### Benefits & Arguments

---

- Improved efficiency
- Increased output
- Reduced noise

The more powerful alternator increases the performance of the electrical system. It ensures that the increased power requirements of additional electrical equipment are met. It also ensures fast battery charging in vehicles frequently used on short-distance trips and at low temperatures.

### Remarks

---

Only for 4 cylinder (package 4CE) vehicles. Code M60, 14 V/250 A generator, is added automatically in conjunction with a high-performance air-conditioning system in the passenger compartment, Code H08.

## Top-Speed Limitation to 74 mph

### **Details & Technology**

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The top speed is limited to 120 km/h [74 mph] via the engine management.

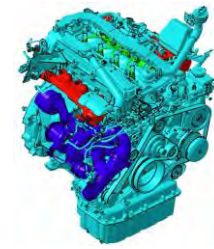
### **Benefits & Arguments**

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- For vehicles for which speed limitation is desired or is necessary for technical reasons

For vehicles for which speed limitation is desired or is mandatory for technical reasons (e.g. haulage vehicles, special-purpose vehicles).

## Engine 2.1: 4-Cylinder BlueTech Turbo Diesel



### Details & Technology

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Four-cylinder OM 651 diesel engine with fourth-generation common rail technology generates a rail pressure of 1800 bar [26,100 PSI] in the high-pressure reservoir. The maximum ignition pressure in the cylinders is 200 bar [2,900 PSI]. The two-stage turbocharger comprises a high-pressure and a low-pressure exhaust gas turbocharger. The fuel is injected directly into the combustion chamber with the aid of solenoid valves. The engine comes with a rear-mounted camshaft drive and two-mass flywheel to isolate the crankshaft's vibration stimuli from the drive system. Two balancer shafts with counterweights ensure that the centers of gravity of the pistons and counterweights move in parallel to the cylinders' axes, thereby maintaining the common center of gravity in approximately the same place (Lanchester balancer). In addition, the oil injection nozzles and the water pump are activated on demand.

### TECHNICAL DATA

No. of cylinders/arrangement:	4/in-line
Valves:	4 (2in / 2out)
Bore/stroke:	83.0 mm / 99 mm
Cubic capacity:	2143 cc
Output:	<b>161 HP</b> at 3800 rpm
Max torque:	<b>266 lb.-ft.</b> at 1400-2400 rpm
Compression ratio:	16.2:1
Injection system:	Common-rail direct injection (CDI)

### Benefits & Arguments

---

- High levels of in-gear acceleration
- Compliance with the EPA14/CARB
- Low fuel consumption
- No turbo lag thanks to two-stage turbocharging

A consistently high level of torque is generated in the rev range from 1400 to 2400 rpm. The two-stage charging of the turbocharger enables high torque in all engine speed ranges without "turbo lag". A Lanchester balancer prevents disturbing inertia forces by means of two balancer shafts with counterweights.

**Important: Biodiesel B5 only**

## Engine – 3.0L Turbo Diesel BlueTec



### Details & Technology

---

OM 642 six-cylinder diesel engine with **common-rail direct injection** (CDI) and fuel preheating.

An intake-metered high-pressure pump sends fuel to the high-pressure accumulator (fuel rail), where pressures of up to 1600 bar [23,200 PSI] is developed. The electrically controlled injectors inject the fuel directly into the combustion chamber.

Thanks to the very high injection pressures, this system ensures excellent mixture formation. The electronic management allows good adaptation of injection timing and quantity to operating and driving conditions.

### **TECHNICAL DATA**

No. of cylinders/arrangement:	V6 72°
Valves:	4 (2 in/2 out)
Bore/stroke:	83.0 mm/ 92.0 mm
Cubic capacity:	2987 cc
Output:	140 kW [ <b>188 hp</b> ] at 3800 rpm
Max. torque:	440 Nm [ <b>325ft-lbs</b> ] at 1400-2400 rpm
Compression ratio	18.0:1
Injection system:	Common-rail direct injection (CDI)

### **Benefits**

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- High flexibility
- High torque
- Powerful acceleration
- Optimized fuel consumption
- Meets EPA 2013 emission standard
- Low noise

Noise, exhaust emissions and fuel consumption are optimized by multi-stage injection and a turbocharger.

Optimization of the engine control unit and the use of a diesel particulate filter with DEF (Diesel Emission Fluid) enable this engine to meet the stringent exhaust emission limits of EPA 2013 standard and is 50 states certified.

High torque output already at very low RPM (1400 to 2400 RPM).

**IMPORTANT: Biodiesel B5 only!**

**Emissions EPA 14/CARB**

**Details & Technology**

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**Benefits & Arguments**

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## **SULEV Emissions**

**Details & Technology**

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**Benefits & Arguments**

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## Cruise Control



### Details & Technology

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Subject to engine performance, any speed upwards of 30 km/h [20 mph] can be stored using the cruise control stalk on the steering column.

**Cruise control** will maintain a constant speed under normal driving condition.

#### Operating the cruise control stalk:

**Up:** the current or a higher speed is stored

**Down:** the current or a lower speed is stored

**Pull back:** resumes the last stored speed

**Push forwards:** cruise control function is switched off

### Benefits & Arguments

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- Constant speeds result in fuel-efficient driving
- Easier compliance with speed limits

## High Idle – Driver Adjustable



### Details & Technology

---

This electronic RPM governor maintains a constant RPM, e.g. for auxiliary drive operation. Under load change, RPM may fluctuate by approx. +/- 50 RPM (depending on engine, load and RPM).

The high idle factory setting is **950 RPM**. The factory setting can be **adjusted by the dealer** using the Star Diagnostic System to a different value.

The RPM setting can be driver adjusted in **50 RPM increments** up or down by using the rocker switch.

### Benefits & Arguments

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- Constant engine speed, variable settings

Necessary if a virtually constant rpm must be maintained in order to operate an auxiliary unit such as a loading crane.

### Remarks

---

Not suitable for operating 220V generators!

If necessary, can also be programmed to allow the cruise control stalk to be used for changing the RPM setting.

### Recommended for:

- Ambulances
- Shuttle services
- Applications with longer idle times



## **“V6” badge on right rear cargo door**

### **Details & Technology**

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A V6 Badge is affixed to the right rear cargo door on all vehicles with CE6 package and MG5 V6 engine.

### **Benefits & Arguments**

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Delineates a Sprinter equipped with MG5 V6 engine.

## BlueEfficiency Badge (MB only)

### Details & Technology

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BlueEFFICIENCY is a vehicle-specific package of individual measures which primarily reduce the fuel consumption and CO<sub>2</sub> emissions of the CDI diesel engines OM651 and OM642 (MG1, MG2, MG3, MG5), thereby conserving resources. Some of these measures also enhance comfort. The BlueEFFICIENCY package is made up of various individual technical solutions, e.g.: • ECO steering servo pump (CL9) • alternator management (MG9) • electrically controlled fuel pump (KP1) • tyres with lower rolling resistance (RR0) • ECO start/stop function (MJ7, only in conjunction with ECO Gear manual transmission [GD8 or GD9])

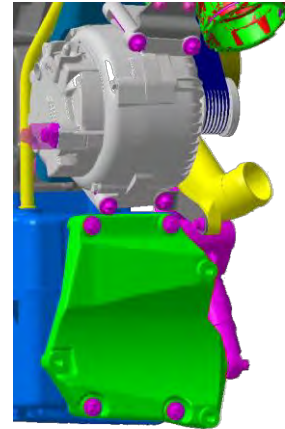
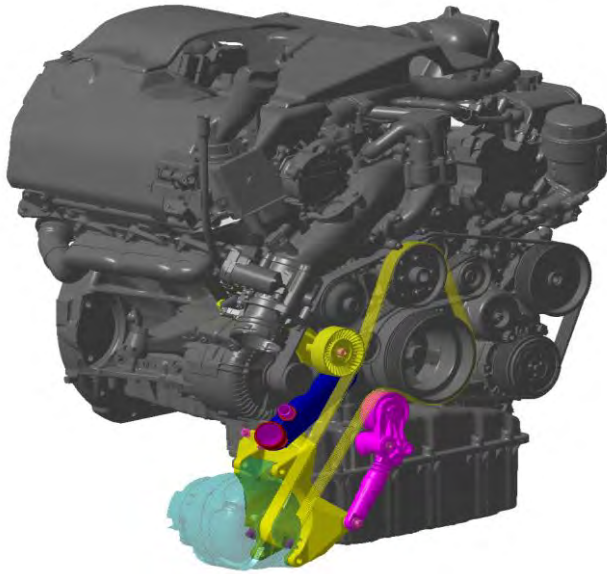
### Benefits & Arguments

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- Fuel savings and reduced CO<sub>2</sub> emissions for diesel engines
- Tax benefits possible thanks to reduced CO<sub>2</sub> emissions
- Sustainable conservation of the environment and resources
- Greater comfort

BlueEFFICIENCY is aimed at sustainable conservation of the environment and resources. BlueEFFICIENCY measures achieve considerable fuel savings. The associated reduction in CO<sub>2</sub> emissions ensures even more environmental protection and can lead to tax benefits, depending on national legislation. As a further advantage, many of the individual measures also have a comfort-enhancing effect.

## PTO at Front w/ bracket for additional Alternator



### Details & Technology

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It is possible to attach an additional auxiliary alternator on the right side of the engine next to the oil pan.

Weight: max 6.5kg [14.33 lbs]  
Input: max 8.5 kW

It is the upfitters responsibility to choose the correct belt length and to ensure the correct belt layout and belt durability.

Alternator is customer supplied.

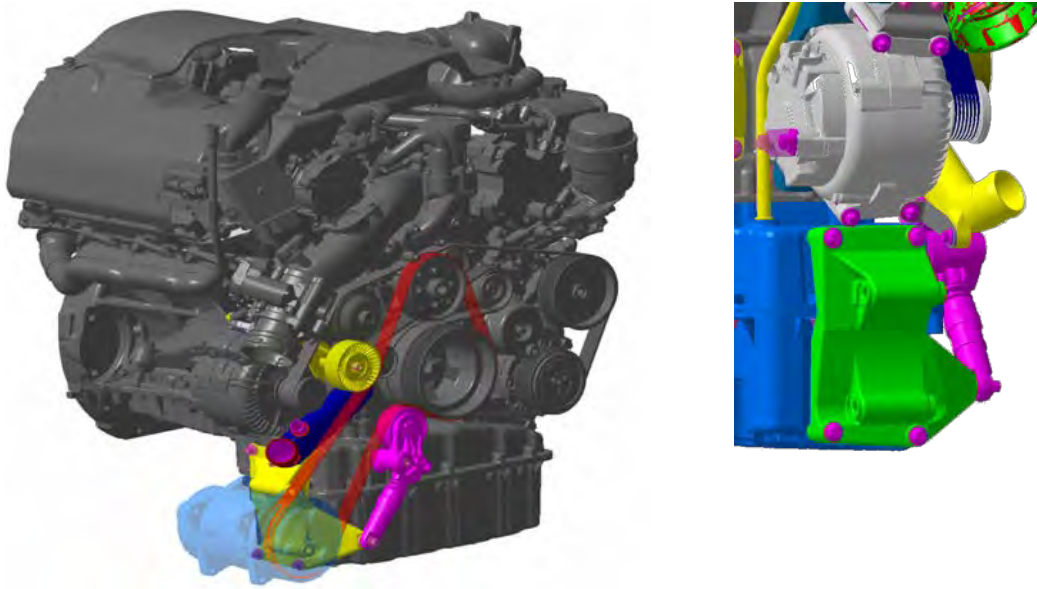
### Benefits & Arguments

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Allows an aftermarket alternator to be fitted.

For more information please refer to the Body Builder Book.

## Bracket for Aux A/C Compressor



### Details & Technology

---

It is possible to attach an additional A/C or refrigerant compressor on the right side of the engine next to the oil pan.

Compressor Weight: max 6.5kg [14.33 lbs]

Input Compressor: max 8.0 kW

It is the upfitters responsibility to choose the correct belt length and to ensure the correct belt layout and belt durability.

A/C compressor or refrigeration compressor are customer supplied.

### Benefits & Arguments

---

Allows a separate A/C compressor to be fitted.

For more information please refer to the Body Builder Book.

## **Refrigerant Compressor (KMV)**

### **Details & Technology**

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The refrigerant compressor will be switched on by the magnet clutch as long as needed whereby the inner friction losses and therewith the necessary input power can be reduced with results of less fuel consumption.

### **Benefits & Arguments**

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- Better Fuel Economy.

## Covering for Transport

### Details & Technology

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Chassis with cab base versions (F28, F50) are supplied with a cover for transport.

In the case of vehicles specified with deletion of windows for bus version (Code W94), Code P08 includes polypropylene (PP) CON PEARL plastic panels to close the resulting apertures.

### Benefits & Arguments

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- Weatherproof transport protection

### Remarks

---

Undamaged transport covers and cover frames can be returned carriage paid in exchange for a partial refund.

**No** refund is provided on the plastic panels.

## Front Mud Flaps



### **Details & Technology**

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Plastic mud flaps are fitted to the wings behind the front wheels.

### **Benefits & Arguments**

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- Reduced dirt accumulation on the vehicle

The mud flaps reduce spray in the wet and help to keep the body and sides clean.

Standard on all Sprinters.

## Rear Mud Flaps



### Details & Technology

---

Plastic mudflaps are fitted behind the rear wheels.

### Benefits & Arguments

---

- Reduced dirt accumulation on the vehicle
- Better rearward visibility
- Improved visibility for traffic behind

The mudflaps reduce spray in the wet, thereby reducing dirt accumulation on the body and improving visibility for traffic behind.

Standard on all Sprinter models.



## End Cross Member Bolted



### Details & Technology

---

The end cross-member is bolted to the side members.

### Benefits & Arguments

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- Allows easy retrofitting of bodies and attachments

Allows the end cross-member to be easily removed if necessary to make room for fitting box bodies, aerial platforms etc.

Trailer Cross Member with capacity of 5000lbs



Details & Technology

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As of production month 09/2010 the **Q24** (Trailer cross member with towing capacity of **5000lbs**) is **only available** for :

<b>Model:</b>	<b>Model designation:</b>	<b>GCWR [lbs]:</b>
Cargo 2500: all WB	(x2CA144 / x2CA170 / x2CA170ext)	13,550
Cargo 3500: 170 WB Ext	(x3CA170ext)	14,990 / 15,520
Crew Vans: all WB	(x2CV144 / x2CV170)	13,550
Passengers: all WB	(x2PV144 / x2PV170)	13,550

The max towing weight is 2268 kg (5000 lbs), the max tongue weight is 227kg (500 lbs).

Benefits & Arguments

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This trailer hitch enables a conventional trailer coupling to be fitted, and also allows the connection of a power supply for the trailer.

**Note:**

The trailer hitch wiring does not support the wiring of a brake booster.

## End Cross Member Deleted



### Details & Technology

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The rear end cross-member is not fitted.

Four weld nuts are fitted at the mounting plate corners.

### Benefits & Arguments

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- Easier mounting of special bodies and attachments

## Trailer Cross Member with capacity of 7500lbs



### Details & Technology

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As of production month 09/2010 the **QA2** (Trailer cross member with towing capacity of **7500lbs**) is **only available** for :

<b>Model:</b>	<b>Model designation:</b>	<b>GCWR [lbs]</b>
Cargo 3500: 144 WB; 170 WB	(x3CA144 / x3CA170)	14,990 / 15,250
Cab Chassis: 144 WB; 170 WB	(x3CC144 / x3CC170)	15,250
Passengers: N/A		
Crew Van: N/A		

The max towing is 3400 kg (7500 lbs), the max tongue weight is 340kg (750 lbs).

**Note:** Not available on Cargo 3500 (9990 and 11,030 lbs version) with **170WB Extended** (see Q24).

### Benefits & Arguments

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This trailer hitch enables a conventional trailer coupling to be fitted, and also allows the connection of a power supply for the trailer.

**Note:**

The trailer hitch wiring does not support the wiring of a brake booster.

## Spare Wheel Carrier Provision to Frame



### Details & Technology

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On chassis versions with cab or crewcab, the spare wheel is provisionally mounted on the frame.

### Benefits & Arguments

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- For transport purposes

This provisional arrangement is used exclusively for transporting vehicles to MB sales outlets, dealers or body manufacturers. The spare wheel must subsequently be relocated to another position in or on the vehicle.

## Spare Tire Carrier – Under Frame



### **Details & Technology**

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The spare wheel bracket is mounted under the end of the frame behind the rear axle.

### **Benefits & Arguments**

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- Allows a spare wheel to be carried without restricting the load compartment

## **Spare Tire - Steel**

### **Details & Technology**

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The vehicle comes with a spare wheel in the required size.

### **Benefits & Arguments**

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- Allows a wheel to be changed in the event of a puncture

## Rims - Painted Jet Black



### Details & Technology

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The vehicle is fitted with **jet black** (MB 9040) painted wheels.

### Benefits & Arguments

- May be legal requirement for fire-fighting vehicles etc.



## **Tire Brand - CONTINENTAL**

### **Details & Technology**

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Tire manufacturer code  
Continental tires are fitted.

### **Benefits & Arguments**

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- Meets customer requirements

## **Tire Brand – KUMHO**

### **Details & Technology**

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Tire manufacturer code

Kumho tires are fitted.

**Tires LT215/85 R16**

**Details & Technology**

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**Benefits & Arguments**

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## **Tires LT245/75 R16**

### **Details & Technology**

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### **Benefits & Arguments**

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## Light alloy wheels



### Details & Technology

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Installation of four 6.5 J x 16 light-alloy wheels with longer wheel bolts (73 mm) for 235/65 R 16 C tires.

### Benefits & Arguments

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- Enhances the look of the vehicle

The light-alloy wheels enhance the appearance of the vehicle.

### Remarks

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The spare wheel, if specified, is a steel wheel (six wheel bolts for the steel wheel are included).

## Tires, All Season

### Details & Technology

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The compound used in the all-season tires ensures that they do not harden too much in low temperatures, unlike summer tires, and at the same time also retain their stiffness in summer temperatures.

### Benefits & Arguments

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- No need to change over from summer to winter tires

**All-season tires are standard equipment. For Winter Tire see RM1.**

## Tires, M&S Winter Tire

### Details & Technology

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The M+S tires feature a compound and tread design which ensures good traction and lateral stability in the cold, snow and slush, as well as in similar adverse road conditions.

### Benefits & Arguments

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- Safer driving and better traction on wintry roads
- Improved climbing ability since more grip

### Remarks

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If Code R87 (spare wheel) is ordered as well, the spare tire is **also** a winter tire!

## Wheels – Painted Artic White



### Details & Technology

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The vehicle is equipped with steel wheels painted arctic white (MB 9147).

### Benefits & Arguments

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- Requirement from various fleet customers

Makes it possible to fulfil the wish of various customers to have white-painted steel wheels.

### Remarks

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When a spare wheel is ordered, Code R87, this steel wheel is also painted arctic white (MB 9147).



## **Specially Requested Tires**

### **Details & Technology**

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If a tire from a specific tire manufacturer is required, this can be selected by entering Code RM9 and one of the following manufacturer codes on the order. A factory-approved make of tire from the selected manufacturer will then be delivered.

It is currently possible to choose ex-works tires from the following manufacturers:

- Continental (RM9 + RF1, manufacturer code 10)
- Kumho (RM9 + RH0)

### **Benefits & Arguments**

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- Allows customers to select their preferred tire manufacturer

Particularly suitable for fleet customers, e.g. who have supply contracts with certain tire manufacturers. If no tire manufacturer is selected, the vehicle will be assigned a choice of tire from one of the listed manufacturers.

### **Remarks**

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Selection of a tire manufacturer does not guarantee delivery of a specific tire model.

## Wheel Steel 6.5 x 16



### Details & Technology

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The standard 6.5 J x 16 steel wheels on all 2500 Sprinter models (SRW).

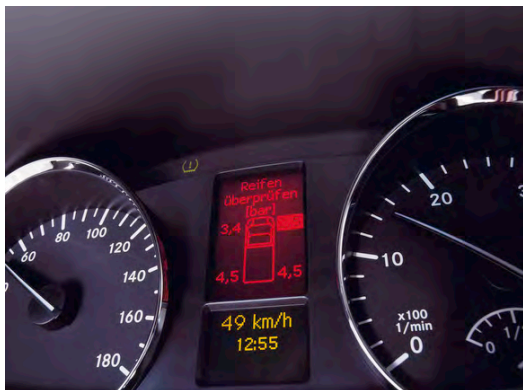
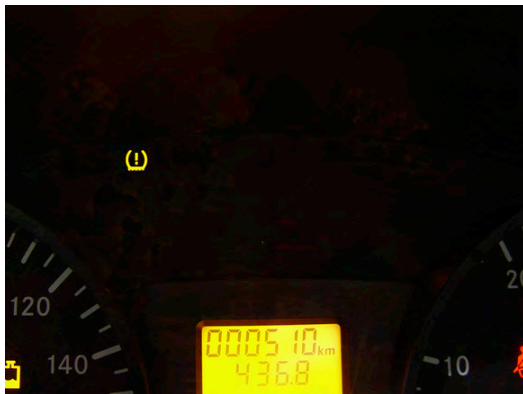
## **Wheel Steel 5.5 x 16**

### **Details & Technology**

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Steel wheels, 5.5 J x 16, are standard on the 5-ton Sprinter with twin tires on the rear (DRW).

## Tire Pressure Monitor Lamp



### Details & Technology

Pressure-monitoring sensors on each wheel transmit radio signals to a central control unit. On vehicles with pixel matrix instrument cluster (Code JK3) an automatic warning is displayed if the pressure in any tire falls below a set minimum value. The critical tire is indicated in the display. On vehicles with standard instrument cluster, a warning light comes on in the event of a pressure loss of approx. 25% at one or more tires. Sensing is not carried out for the spare wheel.

### Benefits & Arguments

- Enhanced safety
- Lower fuel consumption
- Reduced tire wear

Underinflation results in increased tire wear and higher fuel consumption. Early detection of pressure losses therefore extends tire life and reduces running costs. Correct inflation pressures also optimise steering and braking performance.

## Adjustable Front Passenger Seat



### Details & Technology

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This co-driver's seat offers the following extended adjustment possibilities: fore-aft adjustment 260 mm [10.2 inches] (200 mm [7.9 inches] for chassis versions with cab or panel vans with bulkhead), 45° backrest adjustment and approx. 60 mm [2.4] cushion height adjustment.

### Benefits & Arguments

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- Extended adjustment possibilities allow seat position to be adapted to suit individual requirements

Permits individual adjustment of the co-driver's seat position

## Passenger seat foldable



### Details & Technology

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The folding co-driver's seat is mounted to the bulkhead with sliding door (Code D64). The cushion part of the seat automatically flips up when the seat is not occupied. The folding seat is fitted as standard with a 3-point safety belt and a head restraint rigidly mounted to the bulkhead.

The co-driver's seat is always upholstered with black Brasao fabric (VG2).

### Benefits & Arguments

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- Easy entry and exit on the co-driver's side

This seat makes it easier for the driver to enter and exit the vehicle on the co-driver's side and provides easier access from the co-driver's door into the load compartment. It therefore eases the driver's workload, particularly in the distribution sector. This seat offers advantages when the driver is only occasionally accompanied, for example in the distribution sector (e.g. when training a new driver).

## Seat Armrest - Driver Seat



### **Details & Technology**

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A tilt-adjustable armrest is fitted to the inboard side of the driver's backrest. Retrofitting this armrest entails swapping the entire backrest.

### **Benefits & Arguments**

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- More relaxed driving, particularly on long journeys

Allows the arm to be supported in a relaxed position.

## Twin front passenger seat



### Details & Technology

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Two-seater passenger bench with three-point safety belts for both occupants. The seat cushion can be folded forwards into an upright position and the backrest of the center seat can be folded forwards into a horizontal position and used as a table. The table also comprises two cup holders and a pen holder.

A larger Airbag is fitted to accommodate both passengers.

### Benefits & Arguments

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- A third person can be seated in the cab
- Seat base frame can be used as a stowage compartment
- Table function provides an additional storage surface
- Three-point belts on both co-driver's seats

Allows a third person to be seated in the front section. The seat base frame can be used as a stowage compartment and the folded down center backrest can be used as a storage surface.

### Remarks

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Extremely functional for Cargo and Cab Chassis Work vehicles. Great storage and utility!



## Seat Armrest - Passenger Seat



### Details & Technology

A tilt-adjustable armrest is fitted to the inboard side of the co-driver's backrest. Retrofitting this armrest entails swapping the entire backrest.

### Benefits & Arguments

- More relaxed travelling, particularly on long journeys

Allows the arm to be supported in a relaxed position.

## Orange Seat Belt



### Details & Technology

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The standard black safety belts for the driver and co-driver (not with S23, twin co-driver seat) are replaced by orange safety belts.

### Benefits & Arguments

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- Makes it easier to see whether occupants are wearing their safety belts

The demand for orange safety belts comes from various fleet customers. Since these belts contrast significantly better with clothing than the standard black safety belts, it is much easier to tell from the outside whether the person/s is/are belted.

## Assist handle for inner seat



### Details & Technology

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A rigid grab handle is fitted on the inboard side of the twin co-driver's seat (Code S23).

### Benefits & Arguments

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- Conveniently placed grab handle for the center seat

The grab handle enables the center-seat co-driver to hold on conveniently

## Driver seat frame, low

### Details & Technology

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The standard driver's seat base frame (height approx. 305 mm [12"]) is replaced by a version 85 mm lower (height approx. 220 mm[8.7"]).

### Benefits & Arguments

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- Allows a special driver's seat to be fitted

Basis for installation of a suspension seat or a swiveling seat ex-factory (e.g. SR8 + SB1) or by a body manufacturer (with or without SR8).

### Remarks

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If the seat is fitted by a body manufacturer, the Body/Equipment Mounting Directives must be adhered to (e.g. H-point / seat height).

## Passenger seat frame, low

### Details & Technology

---

The standard co-driver's seat base frame (height approx. 305 mm) is replaced by a version 85 mm lower (height approx. 220 mm).

### Benefits & Arguments

---

- Allows a special co-driver's seat to be fitted

Basis for installation of a suspension seat or a swivelling seat ex works (e.g. SR9 + SB2) or by a body manufacturer (with or without SR9).

### Remarks

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If the seat is fitted by a body manufacturer, the Body/Equipment Mounting Directives must be adhered to (e.g. H-point / seat height).

## **Passenger Seat Pedestal & Airbag - Deletion**

### **Details & Technology**

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The vehicle is supplied without a co-driver's seat base frame.

### **Benefits & Arguments**

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- Provides unimpeded access from the co-driver's door to the load compartment

For special-purpose vehicles such as buses or parcel delivery vehicles, where unimpeded access through the co-driver's door to the passenger/load compartment is required.

### **Remarks**

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Front passenger seat and seat pedestal are deleted when a bulkhead with sliding door is ordered (Code D64)

## Front Air Bag – Driver



### Details & Technology

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The driver airbag is integrated into the steering wheel. In an accident it is inflated within milliseconds by a gas generator, reducing the risk of the driver's head or chest impacting the steering wheel during a frontal collision. The airbag acts in concert with the belt tensioner, which minimizes the slack in the safety belt. To ensure that the restraining force of the safety belt does not cause injury to the driver during a collision, a belt force limiter is integrated into the restraint system.

### Benefits & Arguments

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- Reduces the risk and severity of head/chest injuries in a frontal collision

The risk and severity of a head and chest impact on the steering wheel are reduced in conjunction with a safety belt.

## Front Air Bag – Passenger



### Details & Technology

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The co-driver airbag is installed in the front passenger side of the dashboard. The co-driver airbag is available for an individual seat, for a bench seat (S23) and only as a twin co-driver airbag version. In an accident it is inflated within milliseconds by a gas generator, reducing the risk of the seat occupant's head or chest impacting the steering wheel during a frontal collision. The airbag acts in concert with the belt tensioner, which minimizes the slack in the safety belt. To ensure that the restraining force of the safety belt does not cause injury to the occupant(s) during a collision, a belt force limiter is integrated into the restraint system.

### Benefits & Arguments

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- Reduces the risk and severity of head/chest injuries in a frontal collision

The risk and severity of a head and chest impact on the dashboard are reduced in conjunction with a safety belt.

**Note:** Passenger air bag omitted when the vehicle is equipped with a Jump Seat.



## Comfort seat, driver



### Details & Technology

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Luxury driver's seat with fore-and-aft adjustment (260 mm), 45° backrest adjustment, height adjustment (approx. 60 mm), cushion angle adjustment (+/- 2.5°) and a manual lumbar support. The upholstery is the same as for the standard driver's seat.

### Benefits & Arguments

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- More precise adjustment of the seat to suit individual requirements
- Relaxed driving, particularly on long journeys

Enables more precise adjustment of the seat to suit individual requirements. Relieves the back muscles as the result of improved seating posture to ensure relaxed driving in particular on long-distance routes.

## Comfort seat, passenger



### Benefits & Arguments

---

Luxury co-driver's seat with fore-and-aft adjustment (260 mm), 45° backrest adjustment, height adjustment (approx. 60 mm), cushion angle adjustment (+/- 2.5°) and a manual lumbar support. The upholstery is the same as for the standard driver's seat.

### Benefits & Arguments

---

- More precise adjustment of the seat to suit individual requirements
- Relaxed driving, particularly on long journeys

Enables more precise adjustment of the seat to suit individual requirements. Relieves the back muscles as the result of improved seating posture to ensure relaxed driving in particular on long-distance routes.

## Driver Suspension seat, comfort version



### Details & Technology

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The vehicle is equipped with a luxury driver's seat (see SB1) and a mechanically/hydraulically suspended seat frame. By means of an adjustment wheel, the mechanical suspension (a spring assembly) can be adapted to the weight of the individual driver. The upholstery is the same as for the standard seats.

### Benefits & Arguments

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- Enhanced seat comfort, particularly on poor roads

Road shocks are absorbed by a combination of mechanical and hydraulic suspension, thereby reducing strain on the driver's back. This seat is recommended particularly for vehicles which are regularly used in countries with poor roads.

## Passenger Suspension seat, comfort version



### Details & Technology

---

The vehicle is equipped with a luxury co-driver's seat (see SB2) and a mechanically/hydraulically suspended seat frame. By means of an adjustment wheel, the mechanical suspension (a spring assembly) can be adapted to the weight of the individual co-driver. The upholstery is the same as for the standard seats.

### Benefits & Arguments

---

- Enhanced seat comfort, particularly on poor roads

Road shocks are absorbed by a combination of mechanical and hydraulic suspension, thereby reducing strain on the driver's back. This seat is recommended particularly for vehicles which are regularly used in countries with poor roads.

## ISO Fix Child Seat



### Details & Technology

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ISOFIX child seat anchors are included with the first- and second-row rear bench seats.

Child seat anchors are designed to secure children weighing up to 22kg [48 lbs.]. Children weighing 22kg [48 lbs.] or more should secure the latch-type child restraint with the lap-shoulder belt.

The three-seater bench is fitted with two set of ISOFIX bars and three top tethers. The special child seat snaps into place using the ISOFIX bars (2 ISOFIX bars are required), thereby establishing a firm connection between the seat and the vehicle. The top part of the child seat backrest is attached by means of a belt-like tether to the top tether anchor on the rear of the seat bench.

### Benefits

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- Allows quick and easy child seat mounting

Allows for quick and easy child seat attachment. The top tether limits rotation of the child seat and thus reduces load forces on the cervical vertebrae during a frontal impact. The rotation effect is caused by the child seat pivoting about its lower attachment points. The extent of this forward rotation will vary depending on the firmness of the seat cushion. Forward rotation imposes greater loads on the cervical vertebrae.

### Remarks

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Child seats are not recommended to be placed in the front passenger seat.

ISOFIX child seat attachment is standard equipment on passenger vans.

ISOFIX is **not** fitted on front passenger seat/bench.

ISOFIX is **not** fitted on 3<sup>rd</sup> row bench seat.

## **Seat belt mount deletion**

### **Details & Technology**

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If the driver's/co-driver's seat/seat base frames are deleted, the corresponding seat-mounted belt attachment points are also deleted.

If this code is specified, holes are provided in the B-pillar trim giving access to the welded nuts on the left/right B-pillar.

### **Benefits & Arguments**

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- Allows quick and easy fitting of a driver's/co-driver's safety belt if the driver's/co-driver's seat/seat base are deleted.

If a special seat (e.g. swivel seat) is retrofitted, the safety belt can be mounted to the B-pillar.

## Air Bag –Thorax Driver (Backrest)



### Details & Technology

The seatback-mounted thorax bag for the driver is activated in the event of an accident with severe lateral acceleration/deceleration (e.g. a side impact). Within fractions of a second the thorax bag fills with gas and deploys between the door and the driver's torso.

### Benefits & Arguments

- Enhanced torso (thorax) protection in the event of a severe side impact

In conjunction with a fastened safety belt, the thorax bag reduces the risk of torso (thorax) injuries to the driver in the event of a severe side impact.



## Air Bag –Thorax Drv/Co-Drv



### Details & Technology

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The seatback-mounted thorax bags for the driver and co-driver are activated in the event of an accident with severe lateral acceleration/deceleration (e.g. a side impact). Within fractions of a second the thorax bag fills with gas and deploys between the door and the driver's/co-driver's torso.

### Benefits & Arguments

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- Enhanced torso (thorax) protection in the event of a severe side impact

In conjunction with a fastened safety belt, the thorax bag reduces the risk of torso (thorax) injuries to the driver and co-driver in the event of a severe side impact.

### Remarks

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Not in conjunction with the twin co-driver's seat (Code S23).



## Air Bag - Window Drv/Co-Drv



### Details & Technology

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The window bags, fitted in the roof trim over the driver's and co-driver's doors, deploy in an accident with severe lateral acceleration/deceleration (e.g. a side impact). Within fractions of a second the window bag fills with gas and positions itself like a curtain between the side window and the driver's/co-driver's head.

### Benefits & Arguments

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- Reduces the risk and severity of head and facial injuries in the event of a severe side impact

Window airbags reduce the risk of the driver/co-driver on the collision side sustaining head and facial injuries in the event of a severe side impact. In conjunction with correctly fastened safety belts, they provide increased protection in the event of a severe side impact.

## Swivel Base for driver seat



### Details & Technology

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A swivelling element is fitted on the driver's seat base.

### Benefits & Arguments

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- Allows a special driver's seat to be fitted

Allows the driver's seat to be turned around by about 180° to face the rear. Basis for installation of a swivelling seat ex works (e.g. SB1) or installation of a special seat by a body manufacturer. Recommended for vehicles which are to be equipped as a camper van by a body manufacturer or by the owner.

## **Swivel Base for front passenger seat**

### **Details & Technology**

---

A swivelling element is fitted on the co-driver's seat base.

### **Benefits & Arguments**

---

- Allows a special co-driver's seat to be fitted

Allows the co-driver's seat to be turned round through 180° to face the rear. Basis for installation of a swivelling seat ex works (e.g. SB2) or installation of a special seat by a body manufacturer. Recommended for vehicles which are to be equipped as a camper van by a body manufacturer or by the owner.

## Storage Net, driver seat back rest



### Details & Technology

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Storage net installation on the back of the driver's seat backrest.

### Benefits & Arguments

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- Expansion of previous stowage possibilities, e.g. for newspapers

The installation of this equipment provides a further stowage possibility, for instance, for newspapers.

## Storage Net, passenger seat backrest



### Details & Technology

---

Storage net installation on the back of the co-driver's seat backrest.

### Benefits & Arguments

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- Expansion of previous stowage possibilities, e.g. for newspapers

The installation of this equipment provides a further stowage possibility, for instance, for newspapers.

## Sliding Door Ext. Track

### Details & Technology

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The sliding load-compartment door runs on three travelers (upper, center, lower). The special-version sliding load-compartment door is equipped with longer travelers. This increases the outward travel of the sliding load-compartment door by approx. 25 mm [1"].

### Benefits & Arguments

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- More clearance between open sliding load-compartment door and the outside of the vehicle

The greater outward travel of the sliding load-compartment door results in greater clearance between the open door and the outside of the vehicle. This space can be used for special side wall attachments, e.g. on camper vans or refrigerated vehicles.

### Remarks

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Standard on all Sprinter models with Sliding Doors.

## **Sliding door, two stage opening**

### **Details & Technology**

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An intermediate stop that also allows the sliding load-compartment door to be opened by approx. 780 mm [30.7"] of travel or all the way open.

### **Benefits & Arguments**

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- Additional stop point for sliding load-compartment door/doors

Allows rear passengers to board and alight quickly, since the sliding load-compartment door does not need to be opened as far as the end position.

## Sliding Door - Right Side



### Details & Technology

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Sliding load-compartment door on the right-hand side of the vehicle. The size of the door depends on wheelbase and roof height.

#### Width and height of door opening (WxH):

Low Roof:

1300x1520 mm [51.2" x 59.8"] with 144WB

High Roof (D03):

1300x1820 mm [51.2" x 71.2"] with 170WB

### Benefits & Arguments

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- Access to passenger/load compartment



## Sliding door - Left Side



### Details & Technology

---

Sliding load-compartment door on the left-hand side of the vehicle. The size of the door depends on the wheelbase and roof height.

#### Width and height of door opening (WxH):

Low Roof:

1300x1520 mm [51.2" x 59.8"] with 144WB

High Roof (D03):

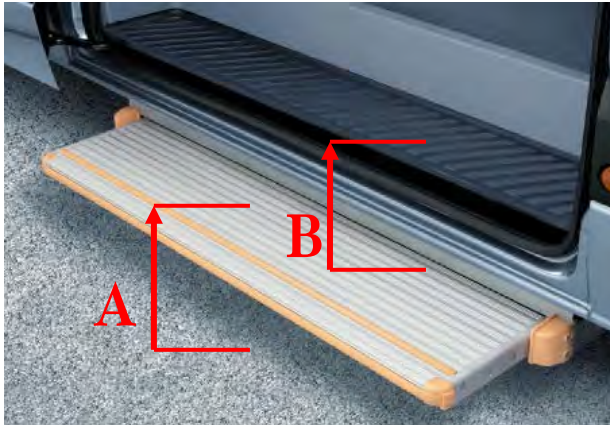
1300x1820 mm [51.2" x 71.2"] with 170WB

### Benefits & Arguments

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- Access to passenger/load compartment

## Electric step, right sliding door



### Details & Technology

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The electric step moves out with the opening and moves in with the closing of the right sliding door. This operation is possible without the use of the ignition key.

The electric step includes a sensor at the front side, so that in case of an obstacle collision the step movement stops immediately. In this situation a warning signal sounds and if the vehicle is equipped with the high line instrument cluster, code JK3, a visual warning signal will be shown in the display. To reset the electric step it is necessary to close the sliding door.

The electric step dimensions are 1200 mm x 290 mm [47 ¼ Inches x 11½ Inches]. The maximum permissible capacity is 150 kg [330 lbs.]

The access height from the ground to the Electric Step (A) is 286mm [11.3 Inches].

The height between the Electric Step and the Entrance Step (B) is 220mm [8.7 Inches].

### Note

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- In the area of the sliding door the ground clearance is reduced by approx. 100 mm [3.9 Inches].
- The aluminum step with a hot-dip galvanized insert has a weight of 42 kg [92.6 lbs].

## Assist handle, sliding door



### **Details & Technology**

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Installation of a vertical grab handle on the B-pillar of the vehicle.

### **Benefits & Arguments**

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- Easy entry to passenger compartment

Easier entry for passengers

## Door – mounted assist handles, driver & passenger



### Details & Technology

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Installation of a vertical grab handle on the driver's and co-driver's door.

### Benefits & Arguments

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- Facilitates getting into the cab for driver and co-driver.
- Provides another option to hold on while en route.

## Assist handle w/partition



### Details & Technology

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Installation of a vertical grab handle on the bulkhead of the vehicle.

### Benefits & Arguments

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- Easy entry to load compartment

Easier entry to the load compartment.

## Assist Handle - Left Rear Door



### Details & Technology

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A vertical grab handle is fitted on the rear left-hand corner pillar.

### Benefits & Arguments

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- Easy entry to load/passenger compartment

Easier entry to the load/passenger compartment through the rear door

## Assist Handle – Right Rear Door



### Details & Technology

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A vertical grab handle is fitted on the rear right-hand corner pillar.

### Benefits & Arguments

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- Easy entry to load/passenger compartment
- Meets German Trade Association requirements

## **Sliding Door - Right Side Delete**

### **Details & Technology**

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The standard-specification sliding load-compartment door and its entrance step are deleted. The side wall is fully panelled.

### **Benefits & Arguments**

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- Special interior fittings can be installed

Allows interior fittings to be mounted on both side walls



## Three Seater Bench in passenger first row narrow



### Details & Technology

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Three-seater bench in passenger compartment, first row, on left-hand side (in the direction of travel). All three seats are fitted with three-point inertia-reel safety belts.

### Benefits & Arguments

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- Three more passenger seats
- Plenty of cargo space

Allows three more passengers to be seated in the first row in the cargo compartment. Also leaves room for cargo or luggage. The loading length behind the bench seat is:

144" wheelbase:	2323 mm [91.5"]
170" wheelbase:	3358 mm [132.2"]
170" wheelbase with long overhang:	3758 mm [147.9"]

### Remarks

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Optionally, wall-side/aisle-side armrests (U74/U75) can be ordered.

## Seat Armrest - Rear Seats left



### Details & Technology

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An angle-adjustable armrest is fitted to the outboard side (wall side) of the backrest of the passenger compartment bench seat.

### Benefits & Arguments

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- Enhanced seating comfort

Armrest allows a more relaxed seating posture to be adopted.

## Seat Armrest - Rear Seats Right



### Details & Technology

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An angle-adjustable armrest is fitted to the aisle side of the backrest of the passenger compartment bench seat.

### Benefits & Arguments

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- Enhanced seating comfort

Enhanced seating comfort, since one arm can be supported.

## Rear Seats Second Row, three seats, narrow

### Details & Technology

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A three-seater bench is fitted in the second row of the passenger compartment. All three seats are fitted with three-point inertia-reel seat belts.

### Benefits & Arguments

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- Three more passenger seats

Allow three more passengers to be seated in second row in the passenger compartment. The length of the remaining load area behind the bench seat is:

144" wheelbase:	1465 mm [57.7"]
170" wheelbase:	2500 mm [98.4"]
170" wheelbase Extended	2900 mm [114.2"]

### Remarks

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Optionally, wall-side/aisle-side armrests (U74/U75) can be ordered.

## Rear Seats Third Row, four seats

### Details & Technology

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A four-seater bench is installed in the passenger compartment, third row. All four seats are fitted with three-point inertia-reel seat belts.

### Benefits & Arguments

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- Four further seats for passengers

Allows four more passengers to be seated in the third row in the passenger compartment. Also leaves room for cargo or luggage.

The cargo bed length behind the bench seat is:

Wheelbase 3665 mm [144 in]:	607 mm [24 in]
Wheelbase 4325 mm [170 in]:	1642 mm [64.5 in]:

## Rear wall liner – partition cab back



### Details & Technology

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The front (cab) side of the cab rear wall on chassis versions with cab or crewcab, and the front (cab) side of the bulkhead (D50, D51, D53) on panel van versions, is lined with pressed fibre fleece.

### Benefits & Arguments

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- Visual enhancement
- Reduced interior noise

The lining enhances the interior appearance and has a sound-deadening effect.

## Luxury interior trim



### Details & Technology

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The side walls, rear doors and sliding load-compartment doors on the crewbuses are lined with 3-mm-thick wood hardboard panels up to the lower window edge. This lining is surfaced with large fabric panels or thin, grain-effect PVC sheeting. The wood and the surface trim are separated by an intermediate 3-mm insulating layer of polyurethane foam.

### Benefits & Arguments

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- Luxurious interior appearance
- Good sound and heat insulation

The luxury trim protects the metal surfaces of the load compartment against damage from the inside and, above all, creates a high-class appearance. It also provides heat insulation (but is not a substitute for Code H01) and sound insulation.

### Remarks

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Standard on Passenger Vans and optional for Cargo Vans.

## Half Height Load Compartment Trim



### Details & Technology

---

Half-height all-round interior trim for the load compartment of the panel van, consisting of 3-mm-thick wood hardboard panels.

### Benefits & Arguments

---

- Protects metal surfaces from damage

The interior panelling provides enhanced protection for the metal surfaces of the load compartment against damage from the inside.



## Window Pillar Trim



### Details & Technology

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Between the roof trim and the side trim, the painted window pillars are lined with plastic in the same color as the interior.

### Benefits & Arguments

---

- Enhances the look of the interior

Standard on Passenger Vans and optional on Cargo Vans.

## Rear roof trim

### Details & Technology

---

The metal wheel arches are lined with plastic wheel arch covers. The wheel arch linings protect the wheel arches against damage. They also serve as noise insulation.

### Benefits & Arguments

---

- Protects the wheel arches against damage
- Additional noise insulation

The wheel arch linings protect the wheel arches against damage. Additional noise insulation.

## Rear trim



### Details & Technology

---

The roof is paneled with pressed fiber fleece moldings and lined with knitted fabric.

### Benefits & Arguments

---

- Enhances the look of the interior
- Good sound and heat insulation

The roof trim enhances the interior appearance and also provides heat and sound insulation.

### Remarks

---

Standard on Passenger Vans.

## Weight Optimized Plastic Floor

### Details & Technology

---

The load compartment floor consists of a three-dimensional center layer with bubble structure on which a TPO film (thermoplastic polyolefin) is laminated. The TPO film is durable, stain-resistant, slip-resistant and has low wear. The bubble structure of the center layer ensures a low weight while offering strong rigidity and good damping properties. Below that is an insulating foam layer. Support bars connect it to the vehicle floor.

The plastic floor has a thickness of 8 mm [0.31"] and builds as tall as the wood floor (Code V43).

### Benefits & Arguments

---

- Durable, stain-resistant, slip-resistant and has low wear.
- Protection against damage to the bare load compartment floor
- Additional heat and noise insulation
- Pleasant stepping surface for passengers
- Added payload over wood floor of about 66 LBS

### Remarks

---

Standard on Passenger Vans.

## **Passenger seat anchors and floor**

### **Details & Technology**

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In the panel van, the floor assembly has pre-fittings for bench seats.

### **Benefits & Arguments**

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- Bench seats can be retrofitted

## Cargo lashing rails, waist line



### Details & Technology

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Bonded and riveted lashing rails are fitted along the side wall on the waistline at **approx. 28.5 inches**, but not on a potentially installed sliding load-compartment door.

The holes in the lashing rails are spaced at 25 mm [1"] intervals.

Straps are not included in the specification, but are available as part of the accessories range.

**Load Rating is 2,500 N [562lf]**

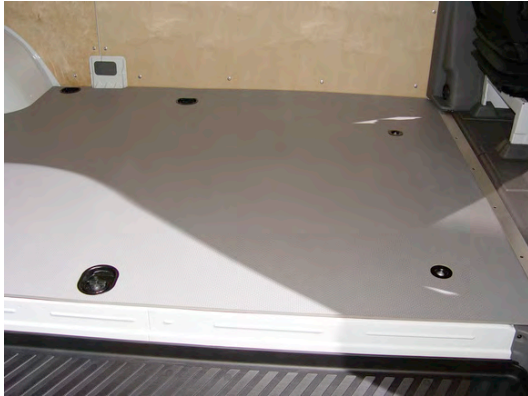
### Benefits & Arguments

---

- Provides load restraint for medium-tall bulky objects

The lashing rails are used in conjunction with load-securing straps to prevent medium-tall bulky objects such as windows from sliding around or falling over.

## Cargo Van wood floor



### Details & Technology

---

The passenger/load compartment has an 8 mm-thick [5/16<sup>th</sup> inch] plywood floor with textured surface.

D-Rings are mounted on the floor close to the side walls. The number of anchoring lugs employed varies according to the length of vehicle.

For vehicle length

144"WB : 8 lugs

170"WB : 10 lugs

170"WB Ext: 12 lugs

**D-Ring load rating is 5,000N [1,124lbf]**

### Benefits & Arguments

---

- Easier loading and unloading and easier cleaning of the load compartment
- Additional heat and noise insulation

Protects the underlying floor of the load compartment from damage. Facilitates cleaning and loading – particularly of heavy objects such as pallets – since the wood floor is level-surfaced. Provides additional heat and noise insulation.

## Rear floor covering, rubber



### Details & Technology

---

V46 is no longer available on Passenger Vans. The plastic floor, V39, incorporates its own rubberized surface.

On **Crew/ Cargo Vans** the rubber mat(s) cover the wood floor (V43) but do not include wheel well covering.

### Benefits & Arguments

---

- Easier cleaning of the load compartment
- Additional sound insulation
- Visual enhancement



## Ashtrays - Rear



### Details & Technology

---

Ashtrays are fitted in the sidewall panel of the cargo van/ passenger compartment (one ashtray per seat row).

### Benefits & Arguments

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- Allows for unhealthy lifestyle in the rear passenger compartment.

## Ashtrays - Front



### Details & Technology

---

An ashtray, cupholder and cigarette lighter are installed in the front center console. The maximum power output is 180 watts. Power is only supplied with key in position 1 or 2. The socket is always powered by the starter battery (even when auxiliary battery is installed, Code E28).

### Benefits & Arguments

---

- Helps keep the driver's section clean and tidy

Also serves as a small waste receptacle and includes cupholder. Standard on all models.

## **Wood Floor, delete**

### **Details & Technology**

---

The vehicle is supplied without the wood floor in the load compartment.

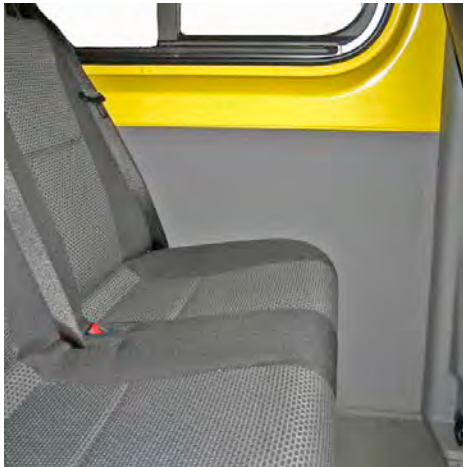
### **Benefits & Arguments**

---

- Allows customisation of the load compartment

The deletion of the wood floor allows customisation of the load compartment. However, the absence of the wood floor leads to an increase in interior noise as the floor provides sound insulation.

## Side wall paneling waist height PVC



### Details & Technology

---

Half-height all-round interior trim for the passenger/load compartment, consisting of 3-mm-thick wood hardboard panels trimmed with grey PVC sheeting.

### Benefits & Arguments

---

- Enhances the appearance of the load/passenger compartment

Protects the metal surfaces of the load compartment against damage from the inside and creates a high-class appearance

## Side Wall Paneling – durable honeycomb plastic



### Details & Technology

---

The cargo compartment sidewalls, the sliding door(s) and the rear doors are lined with 4.8-mm-thick [3/16"] grey polypropylene (PP) **Con Pearl** plastic panels. The trim extends as far as the roof frame.

The plastic panels are food-safe, moisture-resistant, washable, abrasion-resistant and recyclable.

### Benefits & Arguments

---

- Washable
- Food-safe
- Abrasion-resistant
- Recyclable
- Protects the interior side walls

The floor-to-roof trim protects the metal surfaces inside the cargo compartment from shifting cargo.

### Remarks

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#### **NOTE:**

The polypropylene honeycomb material is not suitable for attaching interior fittings. If the load compartment is specified without windows, the side trim also covers the window apertures.

**If the roof liner V36 is fitted the side wall panels can only go waist high.**

**Crew Vans have only the lower panel installed.**



## Storage compartment with net in rear doors



### Details & Technology

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A storage compartment with net is integrated into each of the rear doors (with window).

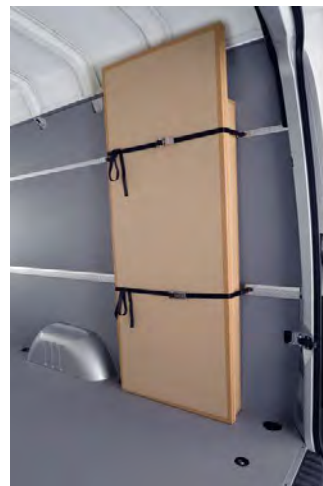
### Benefits & Arguments

---

- Additional storage facility

Additional storage space for a variety of items

## Cargo Lashing Rails-Upper



### Details & Technology

---

Bonded lashing rails are fitted along the sides walls of the vehicle at waist height at **approx. 28.5 inches** and also the roof frame at **approx. 64.4 inches** with a distance between the two of **approx. 38.9 inches**, below the roof frame.

The holes in the lashing rails are spaced at 25 mm [approx. 1 inch] intervals.

Straps are not included in the specification, but are available as accessories.

Load rating is 1,500N [335ft-lbs].

### Benefits

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- Provides load restraint for tall bulky objects

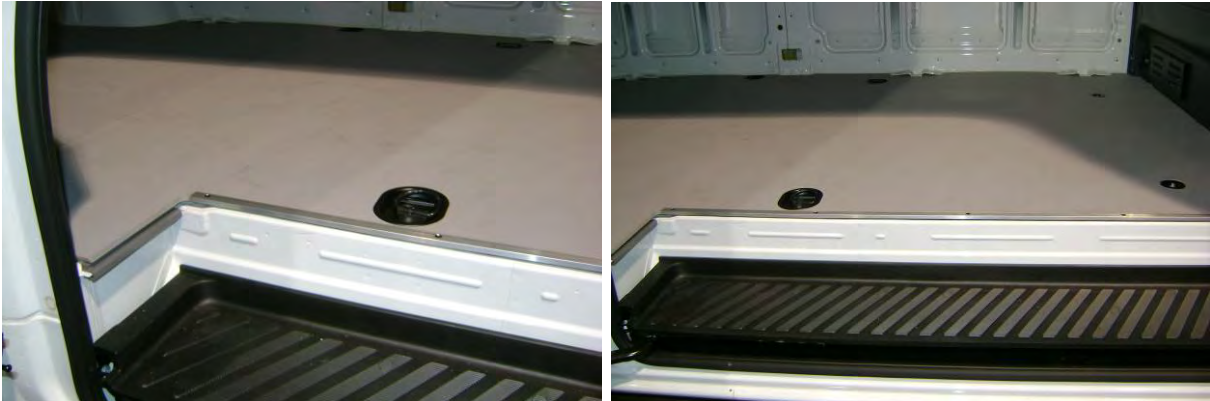
The lashing rails are used in conjunction with load-securing straps to prevent tall bulky objects such as doors from sliding around or falling over.

### Remarks

---

V42 is included when ordering the upper lashing rails VC4.

## Door Sill Protective Edge



### Details & Technology

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A protective aluminium panel is fitted along the edge of the wood floor in the entrance area at the sliding door. The wooden floor therefore has to be cut away in the relevant area to ensure a tight fit for the protective strip.

### Benefits & Arguments

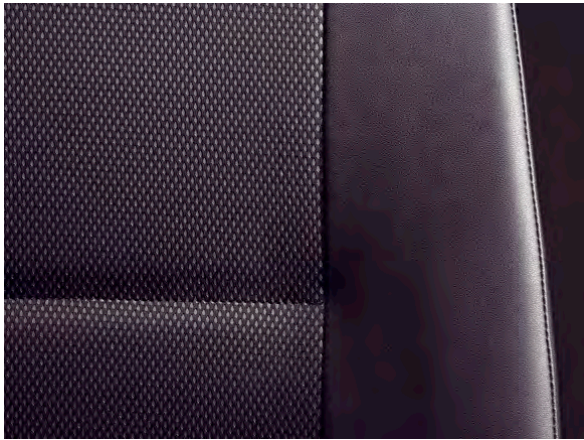
---

- Protects the edge of the wood floor

The aluminium strip protects the edge of the wood floor from damage during loading.



## Leatherette Black



### Details & Technology

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The seats are upholstered in 3-ply black man-made leather. The base material consists of two layers of polyester and one layer of cotton. The grained surface has a soft PVC coating to repel moisture. The shape and stitching of the seat cushion and backrest are the same as for the standard seating.

### Benefits & Arguments

---

- Seats are easy to clean

The hard-wearing man-made leather upholstery is easily cleaned using water and a suitable, soap-based cleaning agent. The sophisticated workmanship applied to the man-made leather upholstery lends the interior a comfortable appearance. The man-made leather upholstery is particularly recommended for the construction industry, painters, shipping companies or school bus operations.

## Load securing rail system



### Details & Technology

---

Two lashing rails, fitted flush with the wood floor (Code V43), are bolted to the substructure. Straps are not included in the specification, but are available as part of the MB accessories range.

### Benefits & Arguments

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- Allows loads to be firmly secured

The lashing rails are used in conjunction with load-restraining straps to provide quick, individually adaptable restraint for objects of varying sizes.

## Black Tunja Upholstery



### Details & Technology

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The attractively designed Tunja seating fabric in black offers high abrasion resistance and breathability. This provides for a longer service life. With the Tunja seating fabric in black, the front seats come as standard with a wool fleece lining.

### Benefits & Arguments

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- Alternative design
- Longer service life

## Windows All Around-Cargo Van



### Details & Technology

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The panel van is fitted with slightly green tinted windows all round.

### Benefits

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- Better visibility when driving and maneuvering
- Lets daylight into the cargo compartment

The windows provide better all-round visibility when driving and maneuvering, as well as admitting more light into the cargo compartment.

### Remarks

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For privacy glass (90% tint) see code **W70**.

## Fixed window at front left sidewall in left side sliding load compartment door



### **Details & Technology**

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A window made of single-layer safety glass is fitted at the front of the left sidewall or sliding door.

### **Benefits & Arguments**

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- Allows more light into the load compartment

Allows more light into the load compartment It also provides better visibility when driving.

**Fixed window at front right sidewall in right side sliding load compartment door****Details & Technology**

A window made of single-pane safety glass is fitted at the front of the right side wall or sliding door.

**Benefits & Arguments**

- Allows more light into the load compartment

Allows more light into the load compartment It also provides better visibility when driving.

**Fixed window, center left****Details & Technology**

---

On 170" wheelbase versions, a window of heat-insulating single-pane safety glass is fitted in the center of the left load-compartment side wall.

**Benefits & Arguments**

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- Allows more light into the load compartment

## **Fixed window, center right**

### **Details & Technology**

---

On the 170" wheelbase versions, a window of heat-insulating single-pane safety glass is fitted in the center of the right load-compartment side wall.

### **Benefits & Arguments**

---

- Allows more light into the load compartment



**Fixed window, rear left****Details & Technology**

---

A window of heat-insulating single-pane safety glass is fitted in the rear of the left load-compartment side wall.

**Benefits & Arguments**

---

- Allows more light into the load compartment

## Fixed window, rear right



### Details & Technology

A window of heat-insulating single-pane safety glass is fitted at the rear of the right load-compartment side wall.

### Benefits & Arguments

- Allows more light into the load compartment

## Window – Left Side Front Emergency Exit



### Details & Technology

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In Passenger Vans an Emergency exit with two lift handles is installed. That allows for a quick exit during an emergency situation.

The emergency window Complies with FMVSS 217 regulatory requirements.

### Benefits & Arguments

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- Escape Route

## 270 Degree Hinged Rear Doors



### Details & Technology

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Special hinges are fitted at the vehicle rear which allows the rear doors to be opened to approx. 270 degrees. The doors can be mechanically engaged at 90 degrees. When fully open, the doors are held in position against the side walls of the vehicle by magnetic catches.

Depending on what combination of rear wipers (W78), rear vent windows (W32) and sliding doors (T09, T16, T19) is fitted and what wheelbase is specified, magnetic door catches of different lengths are fitted to each hinged door. The left and right magnetic hinges are therefore of different length. The different lengths e.g. ensure that a rear door with rear wiper is held at the appropriate distance from the vent windows when fully open.

### Benefits & Arguments

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- Easier loading and unloading in confined spaces

Easier loading and unloading, particularly in confined spaces. Allows easy reversing with opened rear doors (e.g. at loading ramps), with a view to the rear in the exterior mirrors.

Standard on all Cargo and Passenger Vans.

## Window in Tailgate / Rear Doors



### Details & Technology

---

Two windows are fitted in the rear doors.

### Benefits & Arguments

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- Better rearward visibility
- Allows more light into the cargo compartment
- Easier maneuvering and reversing

## Black Tinted Windows in Rear



### Details & Technology

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The rear windows, and all side windows in the rear section, are dark grey-tinted (approx. 90% tinting). The windscreen and the windows in the driver's and co-driver's doors are green-tinted.

### Benefits & Arguments

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- Reduces heating of the interior
- Provides visual privacy in the rear section
- Enhances the look of the vehicle

Heating due to solar irradiation of the interior through the rear windows is reduced by approx. 90% compared with non-tinted windows and by approx. 85% compared with green-tinted windows. 99% of ultraviolet radiation is blocked. If a rear air conditioning system is fitted, its effectiveness is increased. The tinted glass also conceals the passenger/load compartment from view. At the same time the tinting also enhances the look of the vehicle.

### Benefits & Arguments

---

Standard on Passenger Vans and Optional on Cargo Vans.

## Rear door step



### Details & Technology

---

A slip-resistant step is fitted at the rear of the vehicle, extending across the full width of the doors. Even in combination with primed bumper/corner sections (Code C72), the step is not paintable.

The step can also be fitted in conjunction with a trailer coupling.

### Benefits & Arguments

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- Convenient entry/exit

Facilitates entry/exit via the rear doors



**Step, wide, at rear end****Details & Technology**

---

A hot-dip-galvanized steel step is fitted at the rear of the vehicle. This safety grating step is compliant with German accident prevention regulations. The step measures approximately 63" (width) by 11.8" (depth).

Solid rubber moldings on the outer left- and right-hand corners provide protection when maneuvering.

**Benefits & Arguments**

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- Facilitates loading and unloading at the rear of the vehicle



## Rear Bumper – Steel, Spring Loaded



### Details & Technology

---

A hot-dip-galvanized steel step is fitted at the rear of the vehicle, with fore/aft springing provided by four leaf springs. The leaf springs allow free fore/aft movement of the rear step in a forward direction (in the direction of travel). The rear step is bolted to the standard-fit securing points in the longitudinal frame members. Designed as a safety grating, the step area is compliant with German accident prevention regulations. The step measures approx. 68.9" x 9.6" (L x W) and is about 17.25" above ground.

### Benefits & Arguments

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- Impact protection
- Safe and easy access to load compartment

The spring-mounted rear step allows easy entry and exit and can prevent or mitigate damage to the vehicle in the event of a collision with an obstacle such as a loading ramp if the vehicle is reversed without due care (the protective effect depends on the speed and angle of the impact).

## Window Rear Door w/Wash-Wipe



### Details & Technology

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Two windows with a windscreen wiper each are installed in the rear doors. Water is supplied from the central washer fluid reservoir via flexible hoses to nozzles located on the wiper blades. The rear window wipers are switched on by means of a switch on the dashboard (only interval wipe).

If the front windscreen wipers are switched on, the rear window wipers are automatically activated whenever reverse gear is selected.

### Benefits & Arguments

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- Cleaning rear door windows
- Better rearward visibility
- Allows more light into the load compartment

## Rear Side Window Openings w/o Glass



### Details & Technology

---

On request, the vehicle can be delivered without the side windows in the passenger compartment.

Where this deletion is requested, the hinged rear doors are equipped with two dark grey (approx. 90% coloration) tinted (Code W70) and heated (Code H22) windows. For vehicle transfer, the side openings are sealed with a white, protective shipping film.

### Benefits & Arguments

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- Retrofitting of other windows is made possible
- Sidewall Only windows are missing for easy retrofit

## Window openings w/o Glass



### Details & Technology

---

No passenger compartment windows are fitted, including windows in the rear doors. For transport purposes, the apertures are closed by means of CON PEARL plastic panels (Code P08).

### Benefits & Arguments

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- Allows easy fitting of different windows

## Badging - Rear Door Deletion



### Details & Technology

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The “**Sprinter**” lettering on the left-hand rear door of panel vans and passenger van is deleted.

### Benefits & Arguments

---

- More room for promotional/company stickers or decals
- Easy wrapping

## **Badging – Side Door Deletion**



### **Details & Technology**

---

Deletion of the model identification on the right-side hinged rear door.

### **Benefits & Arguments**

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- More room for promotional/company stickers or decals

## **GVWR 9,990 lbs**

### **Details & Technology**

---

Weight Rating GVWR is 9,990 lbs.

The front and rear axle load ratings are 4,080 lbs and 7,060 lbs respectively.

GCWR is 14,990 lbs.

A reinforced front axle is available.

Maximum towing is:

Cargo Van 170 extended 5,000 lbs.

Cargo Van 144 and 170 is 7500lbs

## **GVWR 11,030 lbs**

### **Details & Technology**

---

Weight Rating GVWR is 11,030 lbs.

The front and rear axle load ratings are 4,080 lbs and 7,720 lbs respectively.

GCWR is 15,250 lbs.

A reinforced front axle is available.

Maximum towing is:

Cargo Van 170 extended 5,000 lbs.

Cargo Van 144 and 170 is 7500lbs

Chassis Cab is 7500lbs



**GVWR 8,550 lbs****Details & Technology**

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The front and rear axle load ratings are 3,970 lbs. and 5,360 lbs. respectively.

MAX Towing is 5,000lbs.

## Front License Plate Delete



### Details & Technology

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The standard front license plate is omitted.

## First aid kit



### Details & Technology

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First-aid kit for treating accident injuries.  
It is conveniently housed in the co-driver's door panel.

### Benefits & Arguments

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- Allows initial care to be provided for injured persons
- Conveniently located for quick access
- Takes up little space

## Wheel Chocks



### Details & Technology

---

Panel van and passenger models have a chock holder mounted on the D-pillar at the rear right of the cab.

Chassis, platform and chassis with cab base versions have a chock holder mounted on the left at the frame end.

### Benefits & Arguments

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- Secures the vehicle against rolling on gradients
- Safe storage of the chock
- Additional security when parking the vehicle on an incline

## Jack-Hydraulic



### Details & Technology

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A hydraulic jack is fitted in the co-driver's foot well.

### Benefits & Arguments

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- Easier tire changing

## **Emergency Flash Light**

### **Details & Technology**

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The torch is stowed close to hand in the driver's door pocket. It can provide either a continuous white beam or a flashing orange light.

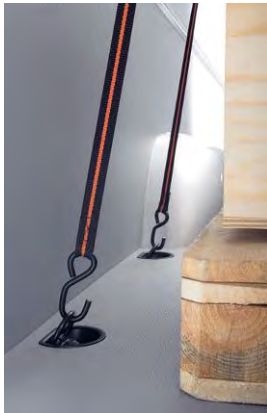
### **Benefits & Arguments**

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- Enhanced safety in the event of a breakdown/accident
- Provides illumination when performing repairs in the dark
- Conveniently located for quick access
- Takes up little space

With the flashing orange light, the torch can be used to draw other drivers' attention to a stranded vehicle. This function provides enhanced safety, particularly in the dark. The white continuous light can be used to provide illumination when performing repairs in the dark.

## Cargo straps, D-rings



### Details & Technology

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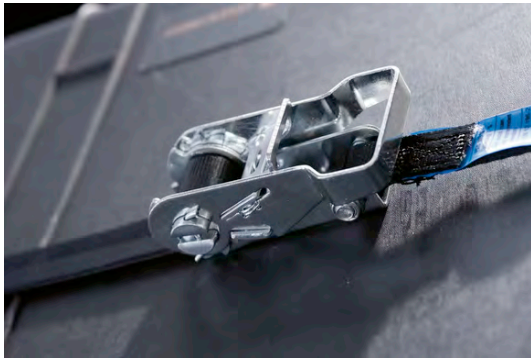
Two lashing straps with over-centre lock and hook are supplied in the glove compartment. The belts are 11.5 ft. long, 1" inch wide and have a breaking strain of 4,000 N [900lbf].

### Benefits & Arguments

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- Load-restraining function
- Improved safety since the load cannot shift out of place easily.

## Cargo Straps – Lashing Rails



### Details & Technology

4 lashing eyelets/double studs (without straps), and 2 ratchet straps (length of each: 10'ft.) with 2 double studs are placed in the glove compartment.

The maximum permissible load of the lashing eyelets according to DIN EN12640 is 8,000N [1,800lbf], the max load for the ratchet straps is 5,000N [1,100lbf] for direct tension and 10,000N [2,200lbf] for banding.

### Benefits & Arguments

- Enables the load to be restrained and prevents shifting

This accessory kit can be reordered: # **B66560748**





## Shelving Prep



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### Details & Technology

Brackets are welded to the roof spars and to the floor.

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### Benefits & Arguments

- Shelves can be retrofitted more easily

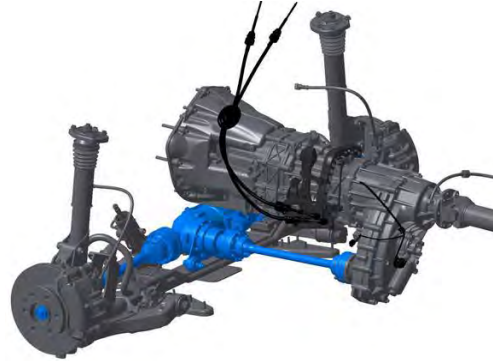
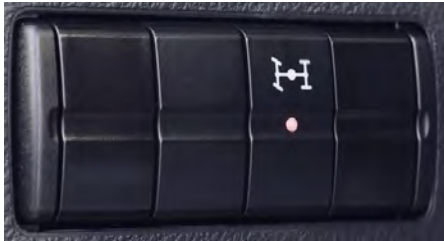
The pre-installed mounting points allow shelves to be retrofitted more quickly. No further drilling or welding of the frame and roof spars is required.

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### Remarks

Consult the Sprinter Body Builder Book on the design requirements of the shelving and on how to use the brackets

## 4x4 – High Range



### Details & Technology

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Vehicles specified with on-demand all-wheel drive are driven by the rear wheels much of the time. However, 4x2 mode may not provide enough traction at the driven wheels when accelerating, driving uphill or driving on difficult surfaces (e.g. snow, ice, gravel). Selecting front-wheel drive in addition to rear-wheel drive improves the Sprinter's traction, lateral stability and pulling power.

The selectable all-wheel drive can be engaged and disengaged while stationary or up to a speed of 6mph (10 km/h) with a rocker switch on the instrument panel. The red control lamp in the rocker switch lights up when all-wheel drive is engaged.

The all-wheel-drive system increases the ride height of the vehicle by some 110 mm on the front axle and by some 80 mm on the rear axle. The angle of approach/departure and breakover angle increase accordingly. Due to the higher ride height, the rear fog lamp is fitted in the bumper on the All Models. The rear fog lamp in the standard-fit tail-light unit therefore is inoperative. In addition, exterior mirrors without indicators (Code FU5) and indicator lamps in the front wings (Code L44) are installed

"ADAPTIVE ESP" in all-wheel-drive mode is expanded by the electronic traction system (4ETS) and includes additional electronic aids as part of the standard scope of delivery. The included functions are the anti-lock braking system (ABS), acceleration skid control (ASR), electronic brake force distribution (EBD) and hydraulic Brake Assist (BAS), and Hill-Start Assist (Code E07) can be ordered as an optional extra. Numerous sensors are installed in the vehicle to make ADAPTIVE ESP/4ETS fully functional. They send their signals directly to the central control unit. The sensors measure the following values among others:

- steering angle, position of the pedals, engine speed
- wheel speed, rotational movement around the vertical axis (yaw moment) and lateral acceleration

The sensors detect the moment the vehicle reaches an unstable handling condition, the signals are transmitted and the system intervenes in the handling situation. It brakes the

relevant wheel(s) and if required also reduces engine output until the handling condition is stable again.

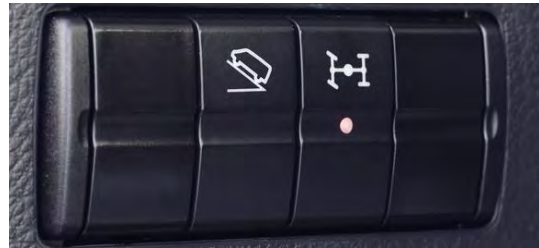
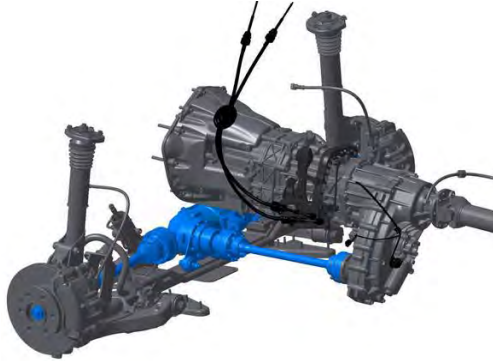
### **Benefits & Arguments**

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- Improved traction, lateral stability and pulling power
- Improved tractive power on difficult road surfaces
- Increase of angle of approach/departure, breakover angle and fording depth

If all-wheel drive is selected, the torque is split 35:65 between the front and rear axle, thus improving lateral stability and tractive power considerably. The increase in ride height also increases.

## 4x4 – High Range



### Details & Technology

---

The Sprinter with on-demand all-wheel drive and manually selectable reduction gear (i=1.4) generally acts in the same way as the Sprinter with on-demand all-wheel drive (Code ZG1).

In addition, the all-wheel-drive system has a reduction gear that can be engaged and disengaged. It is only possible to engage the reduction gear when the vehicle is at a standstill.

The reduction gear should only be engaged when needed as its use leads to a rise in fuel consumption.

An intermediate gear (off-road gear) in the transfer case reduces the gear ratio between the engine and the wheels by about 40% with a corresponding increase in torque at the wheels.

### Benefits & Arguments

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- Expanded operations in difficult terrain
- Allows particularly slow and sensitive driving

# 2015 Sprinter Accessories



**B66359843 & B66359841  
B66359842**

## **Carpeted Rep Floor Mats**



### **Pictures**



### **Remarks**

- Layered structure of floor mat offers absolute safety in terms of bending resistance, resilience, bonding of the individual layers, integration of the fibers into the backing fleece and the overall strength of the structure
- Secured in place using Velcro (velour & rep) for 100% precision fit, preventing mat from bunching up or slipping
- Precision-fit / tailored to vehicle floor plan

### **Details**

B66359841 - Ripped Carpeted floor mats, Set of 3 (Black) Driver, Pass & Center

B66359843 - Ripped Carpeted floor mats, Set of 3 (Black) Driver, Pass & Cent (w/ Code H00)

B66359842 - Ripped Carpeted floor mats, Set of 3 (Black) Driver, Pass. Bench (w/ Code S23)



**B66560104**

## Side Windows Wind Deflector



### Pictures

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### Remarks

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- Protection against splashing water & reduction of wind noise due to partly opened windows
- Material: acrylic glass (darkly tinted)
- Can be fitted by customer without any drilling - inserted into seal lip in glass channel

### Details

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B66560104 Side Windows Wind Deflector, Acrylic Glass

**B66560388**

## Writing Surface/Clipboard



### Pictures

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### Remarks

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- Clipboard in Mercedes-Benz design
- Hooks over steering wheel

### Details

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B66560388 Writing surface, Clipboard for steering wheel



**B66560748 & B66560749  
B66560817 & A0008900294**

## Load Securing Straps & Rings



### Pictures

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### Remarks

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- Designed to secure cargo to the aluminum load-securing rails, available as special equipment
  - for sidewall, on waistline (Code V42)
  - for sidewall, on roof frame (Code VC4)
  - load-securing system (Code VV2)

### Details

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B66560748 Ratchet Strap, with Two Double-Stud Rings  
B66560749 Double Stud rings (set of 4) without strap  
B66560817 Quadruple-stud Rings for floor rails, without strap  
A0008900294 Tie-down strap, Black

## B66560752 & B66560753 B66560754

### C- Rails (Code D13)



#### Pictures

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#### Remarks

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- C-rails are required for mounting of e.g. basic carrier bars etc.
- Two recessed longitudinal stainless-steel which are bolted to the roof
- If not ordered ex-factory, they can be retrofitted
- Fitted to the Sprinter's roof channels
- Contents: 2 rails incl. fixing material
- Material: aluminum

#### Details

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B66560752	C-rail for 144" WB
B66560753	C-rail for 170" WB
B66560754	C-rail for 170" EXT WB

## B66560800 & B66560801

### Basic Carrier Bars



#### Pictures

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#### Remarks

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- C-rails are required for mounting (either retrofit or code D13)
- Volume of basic carrier bars differ by length of model
- Each basic carrier bar can carry up to 50kg (110lbs)
- More than 3 crossbars can be fitted, but bear in mind the maximum roof load
  - Standard roof 300kg (660lbs)
  - High roof 150kg (330lbs)
- Crossbars feature different securing points to allow for difference in width between standard roof and high roof
- Color: black Anti-corrosion polyester finish
- Ends of bars are protected by plastic caps

#### Details

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B66560800	Basic Carrier Bar, One Crossbar, with Two Supports
B66560801	Basic Carrier Bars, Three Crossbars, with Six Supports

**B66560806**

## High-Standing Bracket Set



### Pictures

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### Remarks

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- High-standing brackets are secured to basic carrier bars with the aid of integral knurled screws, and prevent the load from slipping sideways
- Contents: 4x high-standing brackets
- Can only be fitted in conjunction with basic carrier bars
- Load must be secured to the high-standing brackets using straps and/or bungee cords

### Details

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B66560806 High-Standing Bracket Set, Black, for Basic Carrier Bars

**B66560807**

## Cargo Rack



### Pictures

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### Remarks

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- Ladder rack is secured to basic carrier bars with the aid of integral knurled screws, and ladders (or other items) are prevented from sliding by bungee cords and locking bracket
- Contents: 4x high-standing brackets, 2x bungee cords & 1x locking bracket
- Can only be fitted in conjunction with basic carrier bars
- Easy to fit, no additional tools required

### Details

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B66560807 Ladder Rack, Black, for Standard Basic Carrier Bars

**B66560816**

## Loading Roller



### Pictures

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### Remarks

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- Plastic loading roller, steel mounting bracket
- Load capacity of up to **112 LBF** (pound force) Length: approx. 24" inches
- Can be attached to basic carrier bars (rear bar) or to cargo rack as additional loading roller (mounting materials are included)
- Ideal as loading aid for long items (e.g. ladders, boards, rods, pipes)
- Prevents damage to bodywork and 3rd brake light
- The loading roller is identical to the roller already fitted to the cargo rack. It can therefore be fitted to the cargo rack as an additional loading roller

### Details

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B66560816 Loading Roller, for Basic Carrier Bars or Cargo Rack



**B66560921**

## Stowage Box, in Twin Passenger Seat



### Pictures

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### Remarks

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- Fills the left-hand side of the base of the twin co-driver's seat (Code S23)
- Raise seat cushion of twin co-driver's seat and slot the box (including partition) into the seat base
- Fitting stowage box does not restrict function of twin co-driver's seat
- Size: Approx. 10" x 12" x 12" cm

### Details

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B66560921 Stowage Box, in Twin Passenger Seat

**B66560965 & B66560963  
B66560966 & B66560964**

## **Carpeted Velour Floor Mats**



### **Pictures**

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### **Remarks**

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- Layered structure of floor mat offers absolute safety in terms of bending resistance, resilience, bonding of the individual layers, integration of the fibers into the backing fleece and the overall strength of the structure
- Secured in place using Velcro (velour & rep) for 100% precision fit, preventing mat from bunching up or slipping
- Precision-fit / tailored to vehicle floor plan

### **Details**

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B66560963 - Carpeted Velour floor mats, anthracite, Driver's, Passenger and Center

B66560965 - Carpeted Velour floor mats, anthracite, Driver's, Passenger and Center (w/H00)

B66560964 - Carpeted Velour floor mats, anthracite, Driver's, Pass. Bench (w/ S23)

B66560966 - Carpeted Velour floor mats, anthracite, Driver's, Pass. Bench (w/ S23 & H00)



**B66561014 & B66560813**  
**B66561013 & B66560811**  
**B66560814 & B66560815**

## Cargo Rack



### Pictures

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### Remarks

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- Cargo rack with loading roller (length: approx. 60 cm)
- Additional loading roller can be fitted – see “Loading roller”)
- Approved for all Sprinter models with standard roof & high roof (NOT D05/D06)
- Robust steel construction / Anti-corrosion polyester finish (black)
- Ends of bars are protected by plastic caps
- Fitted to c-rail (Code D13) using separately available supports

### Details

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B66561014 - Cargo Rack, for high roof , Front and Rear Module, w/out supports

B66560813 - Cargo Rack, for high roof, center section, w/out supports (Req. 170”& 170”Ext)

B66561013 - Cargo Rack, for standard roof, front and rear Module, w/out supports

B66560811 - Cargo Rack, for Standard Roof (LH1), center section, w/out supports

B66560814 - Supports, 1 pair (Cargo Rack Required)

B66560815 - Supports, 3 pairs (Cargo Rack Required)

## B66570012 & B66570009

### All-Season Floor Mats



#### Pictures

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#### Remarks

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- High level of quality & safety
- Optimum protection against dirt, moisture and wear
- Non-slip
- Odorless
- Tailored to vehicle floor plan

#### Details

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B66570012 All-Season Floor Mats, (Rubber) Black, Driver & Passenger Mat

B66570009 All-Season Floor Mats, (Rubber) Black, Driver & Passenger Mat, (w/ Code H00)

A0008140132

## Coat Hanger



### Pictures

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### Remarks

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- Can be fitted behind head restraint on driver & co-driver's seat
- Simple, secure attachment; easy to remove
- Rounded ends to protect items of clothing
- Fitted For Sprinter Headrests

### Details

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A0008140132 Coat Hanger, Chrome / Black

A9063102495 & A9063102595  
A9063102695 & A9063102795  
A9063102895 & A9034400084

## Trailer Hitch Kits



### Pictures

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### Remarks

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- Work instructions in ODUS
- Electrical wiring harness included in all kits (might not be required for vehicles with E40)

### Details

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A9063102495	Trailer Hitch Kit Q24 (5,000lbs), 2500 Vans, all wheel bases
A9063102595	Trailer Hitch Kit Q24 (5,000lbs), 3500 Van, 170"WBExt
A9063102695	Trailer Hitch Kit QA2 (7,500lbs), 3500 Van, 144"WB
A9063102795	Trailer Hitch Kit QA2 (7,500lbs), 3500 Cab Chassis, all wheel basis
A9063102895	Trailer Hitch Kit QA2 (7,500lbs), 3500 Van, 170" WB
A9034400084	Electrical Kit, Sprinter – (Already included in all trailer hitch kits)

A9069000402

## Becker® MAP PILOT



### Pictures

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### Remarks

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- Requires factory pre-wiring EV6
- Operated using “one shot” (PTT) speech recognition, Audio 15 buttons or buttons on the multifunction steering wheel (CL4)
- Destination input in a single command (acknowledgement tone before user starts to input address)
- Module can be used in Passenger Cars and Vans
- Van modules (Code E1N) are already compatible with Passenger Cars
- Improved “turn-by-turn” route guidance
  - Navigation arrows appear in display of optional instrument cluster (Code JK3)
  - Display of street names & points of interest (POI) on map (logos for filling stations, Mercedes-Benz sales and service outlets, etc.)
  - Choice of arrow display, 2D map display or 3D map display (3D POIs, 3D landmarks & 3D city model)
  - “Reality View” – realistic representation of motorways and junctions
  - Adjustable map angle
- TMC congestion warning service
- Voice output for street names & other important information (e.g. speed limits)

### Details

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A9069000402

Becker ® MAP PILOT - Navigation module