

Model 166.0
up to model year 2016
with code 460 (Canada version)
except code 498 (Japanese version)
except code 830 (China version)
except code Z04 (Light armoring)
except code Z05 (B5 armoring on special protection version)

Model 166.0
up to model year 2016
with code 494 (US version)
except code 498 (Japanese version)
except code 830 (China version)
except code Z04 (Light armoring)
except code Z05 (B5 armoring on special protection version)

Model 166.0
up to model year 2016
with code 496 (Mexico version)
except code 498 (Japanese version)
except code 830 (China version)
except code Z04 (Light armoring)
except code Z05 (B5 armoring on special protection version)

Shown with code 494 (USA version)




















1 Trailer hitch



P31.10-3391-06

8 Cross member



	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	Notes on installing a trailer hitch		AH31.10-P-1000-02CW
	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
	Remove		
1	Print out the detailed installation instructions and give them to the customer	For do-it-yourself installation by the customer.	
2  AR	Remove paneling at bottom of right B-pillar		AR68.30-P-4700GQ
3  AR	Detach front SAM control unit and place to one side with electrical connectors still connected		AR54.21-P-1254GQ
4  AR	Remove right front seat		AR91.10-P-1000GQ
5  AR	Remove center console		AR68.20-P-2000GQ
6  AR	Remove left front floor covering		AR68.20-P-2050GQ
7  AR	Remove right rear seat cushion		AR91.12-P-1020GQA
8  AR	Remove backrest on right in rear		AR91.12-P-1620GQA
9  AR	Disconnect battery ground line		AR54.10-P-0003GZ
10  AR	Detach rear fuse box and place to one side with electrical connectors still connected		AR54.15-P-1261GQ
11  AR  AR	Remove additional battery and additional battery bracket	Model 166.0 up to model year 2016 except code B03 (ECO start/stop function), except code ME05 (HYBRID DRIVE 80KW VARIANT (INCLUDING PLUGIN)) Model 166.0 up to model year 2016 with code B03 (ECO start/stop function)	AR54.10-P-0121GQ AR54.10-P-0007GQA
12  AR	Remove side paneling in right side of trunk		AR68.30-P-4800GQ
13  AR	Loosen trim for spare tire well	 Model 166.0 up to model year 2016 with code 489 (AIRmatic) Do not remove the AIRmatic central reservoir.	AR68.30-P-4620GQ
14  AR  AR	In the EPC in DG 99, check whether the electric fan fitted in accordance with the vehicle equipment can be used for retrofitting the trailer hitch (1)	If incompatible ↓ Remove electric fan and replace with an electric fan compatible with trailer hitch (1). Model 166.0 with engine 157, 278 up to model year 2016 Model 166.0 with engine 276, 642, 651 up to model year 2016	AR20.40-P-5050MLJ AR20.40-P-5050GQ
15	Detach electrical connector from radiator shutters actuator, insulate it and then strap it down	Model 166.0 with engine 642, 651 up to model year 2016 except code 430 (On & Off-road package)  The electrical connector is no longer required.	
16	Remove vacuum line with connection to radiator shutters actuator from brake booster	Model 166.0 with engine 642, 651 up to model year 2016 except code 430 (On & Off-road package)  The removed vacuum line is no longer required.	
17	Remove AdBlue® tank		

		Model 166.0 with engine 642, 651 up to model year 2016 with code U42 (BlueTEC (SCR) diesel exhaust treatment) or code U77 (BlueTEC (SCR) diesel exhaust treatment)	AR14.40-P-2014GQ
18	Warning Unhook rear muffler from spacer	Risk of injury. Skin or eye injuries may result when handling hot or glowing objects. Wear protective gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
19	Warning Caution Remove heat shield of rear muffler	Risk of injury. Skin or eye injuries may result when handling hot or glowing objects. Risk of injury caused by scraping or cutting body parts on sharp vehicle parts Wear protective gloves, protective clothing and safety glasses, if necessary. Always wear protective gloves when working on or near sharp and non-deburred vehicle parts. Deburr repair panels.	AS00.00-Z-0002-01A AS00.00-Z-0017-01A
20	Remove cross member (8) for rear bumper		AR88.20-P-2250GQ
		i The cross member (8) is no longer required.	
21	Remove fuel tank	Model 166.023/024 up to model year 2016 except code 915 (Fuel tank with increased capacity) i The fuel tank is no longer required.	AR47.10-P-4100GQ
	Install		
22	Retrofit mechanical detachable parts for trailer hitch (1)		AN31.11-P-8080-05GQ
		Nm Screw/bolt, reinforcement arm to vehicle floor	*BA31.11-P-1001-01G
		Nm Bolt/nut, trailer hitch/reinforcement plate to rear center section	*BA31.11-P-1002-01G
		Nm Screw/bolt, trailer hitch to reinforcement arm	*BA31.11-P-1004-01G
23	Install AdBlue® tank	Model 166.0 with engine 642, 651 up to model year 2016 with code U42 (BlueTEC (SCR) diesel exhaust treatment) or code U77 (BlueTEC (SCR) diesel exhaust treatment)	AR14.40-P-2014GQ
24	Install fuel tank with increased capacity	Model 166.023/024 up to model year 2016 except code 915 (Fuel tank with increased capacity) i New heat shields for the fuel tank with increased capacity must be used.	AR47.10-P-4100GQ
25	Retrofit trailer hitch control unit		AN31.19-P-8080-05GQ
26	Retrofit trailer hitch wiring harness Notes on the use of paint scraping nuts on ground connections		AN31.19-P-8100-05GQ AH00.19-P-1000-20A
		Nm Right rear center section ground point	*BA00.19-P-1006-01G
		Nm Trailer hitch ground point	*BA00.19-P-1007-01G
		Nm Left footwell ground point	*BA00.19-P-1016-01G
		S New passenger car wiring harness repair kit	*220589049900
		S Wiring harness repair kit, basic	*000589139900
27	Add bumper cutout		AN31.11-P-8080-02GQ
28	Install new impact absorber between rear bumper and trailer hitch (1)		
29	Install new vacuum line without connection to radiator shutter actuator	Model 166.0 with engine 642, 651 up to model year 2016 except code 430 (On & Off-road package)	
30	Install remaining parts		
	Update Vehicle Documentation (VeDoc)		
31	Delete special equipment from on-line vehicle data card	Model 166.0 with engine 642, 651 up to model year 2016 except code 430 (On & Off-road package) i Code 2U1 (Radiator shutters)	
32	Enter special equipment into the on-line vehicle data card	i Code 550 (Trailer hitch)	
33	Enter special equipment into the on-line vehicle data card	Model 166.023/024 up to model year 2016 except code 915 (Fuel tank with increased capacity) i Code 915 (Fuel tank with increased capacity)	

34	Attach note "Trailer hitch retrofitted as per AN31.10-P-8080GQ" under field organization texts to design group 31, design group 54 and design group 88.		
35	Attach note "Trailer hitch retrofitted as per AN31.10-P-8080GQ" under field organization texts for design group 47.	Model 166.023/024 up to model year 2016 except code 915 (Fuel tank with increased capacity)	
36	Attach "Trailer hitch retrofitted as per AN31.10-P-8080GQ" note under field organization texts for design group 50.	Insofar as the electric fan was replaced.	
37	Attach "Trailer hitch retrofitted as per AN31.10-P-8080GQ" note under field organization texts for design group 50.	Model 166.0 with engine 642, 651 up to model year 2016 except code 430 (On & Off-road package)	
38	Connect diagnostic system and select vehicle using vehicle identification number (VIN)		AD00.00-P-2000-04A
39	Carry out variant coding using software calibration number (SCN)	i SAM control unit i Instrument cluster i Head unit i Central gateway in electronic ignition lock control unit i ESP® control unit	
40	Carry out variant coding using software calibration number (SCN)	Model 166.0 with engine 642, 651 up to model year 2016 except code 430 (On & Off-road package) i CDI control unit	
41	Carry out variant coding using software calibration number (SCN)	Model 166.0 up to model year 2016 with code 218 (Reversing camera) i Backup camera	
42	Carry out variant coding using software calibration number (SCN)	Model 166.0 up to model year 2016 with code 22P (Lane package) i Multifunction camera	
43	Carry out variant coding using software calibration number (SCN)	Model 166.0 up to model year 2016 with code 23P (Driving Assistance package Plus) i Stereo multifunction camera i Chassis gateway control unit	
44	Carry out variant coding using software calibration number (SCN)	Model 166.0 up to model year 2016 with code 235 (Active Parking Assist with PARKTRONIC) i Parking system control unit	
45	Carry out variant coding using software calibration number (SCN)	Model 166.0 up to model year 2016 with code 501 (360° camera) i 360° camera control unit	
46	Carry out variant coding using software calibration number (SCN)	Model 166.0 up to model year 2016 with code 489 (AIRmatic) i AIRMATIC control unit	
47	Disconnect diagnostic system		AD00.00-P-2000-04A
48	Perform function check on trailer hitch socket		AN31.19-P-8100-06GQX
49	Check ball neck for proper operation	i See the operator's manual for the exact operation steps.	

Nm Ground points

Number	Designation			Model 166
BA00.19-P-1006-01G	Right rear center section ground point	W7	Nm	10

Nm Ground points

Number	Designation			Model 166
BA00.19-P-1007-01G	Trailer hitch ground point	W7/9	Nm	10

Nm Ground points

Number	Designation			Model 166
BA00.19-P-1016-01G	Left footwell ground point	W15/2	Nm	10

Nm Trailer coupling mechanism

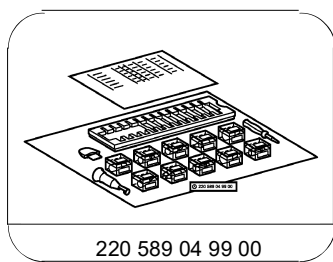
Number	Designation	Model 166
BA31.11-P-1001-01G	Screw/bolt, reinforcement arm to vehicle floor	Nm 66

Nm Trailer coupling mechanism

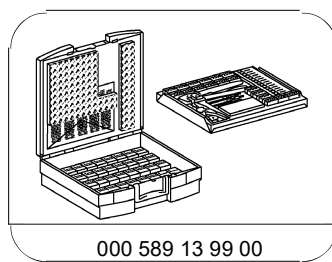
Number	Designation	Model 166
BA31.11-P-1002-01G	Bolt/nut, trailer hitch/reinforcement plate to rear center section	Nm 66

Nm Trailer coupling mechanism

Number	Designation	Model 166
BA31.11-P-1004-01G	Screw/bolt, trailer hitch to reinforcement arm	Nm 140



New passenger car wiring harness repair kit



Wiring harness repair kit, basic

Parts ordering note

Part no.	Designation	Quantity
KG 99 (siehe EPC)	Trailer hitch parts kit	1
Handelsüblich	Cable shoe, Ø 6 mm	1