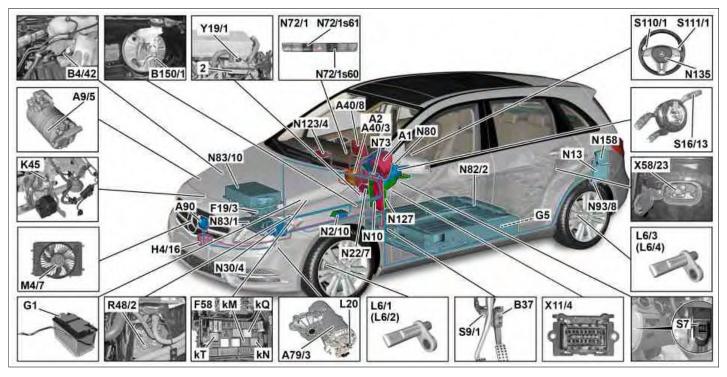
Engine 780.990 in model 242.890



P08.00-2065-79

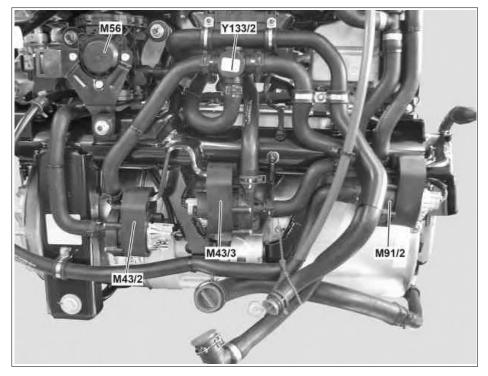
Phantom view

2	Heat exchanger	G5	High-voltage battery	N80	Steering column tube module control unit
A1	Instrument cluster	H4/16	Electric vehicle sound generator	N82/2	Battery management system control unit
A2	Radio (with CODE 510 (Audio 20 CD with CD changer, 6- disk) or with CODE 523 (Audio 20 CD))	K45	Brake booster vacuum pump relay	N83/1	DC/DC converter control unit
A9/5	Electric refrigerant compressor	L6/1	Left front axle rpm sensor	N83/10	Charger control unit
A40/3	COMAND controller unit (up to 02.11.14 up to model year 2015 with CODE (512) COMAND APS incl. DVD changer or up to 02.11.14 up to model year 2015 with CODE 526 (COMAND with single DVD drive (without navigation))	L6/2	Right front axle rpm sensor	N93/8	Gateway for powertrain control unit
A40/8	Audio/COMAND display	L6/3	Left rear axle rpm sensor	N123/4	Emergency call system control unit (with code 348 (Emergency call/assist system))
A79/3	Electric machine	L6/4	Right rear axle rpm sensor	N127	Drivetrain control unit
A90	The COLLISION PREVENTION ASSIST controller unit (up to model year 2015 with code 258 (Collision Prevention Assist), as of model year 2015 with CODE 258 (COLLISION PREVENTION ASSIST PLUS) or with CODE 252 (COLLISION PREVENTION ASSIST))	L20	Electric machine rotor position sensor	N135	Steering wheel electronics
B4/42	Coolant expansion reservoir fill	M4/7	Fan motor	N158	Park pawl control unit
	level sensor (dual chamber)				
© Daimler AG,	6/28/19, L/01/17, gf08.00-p-9999kn, Overview of s	system componen	ts for an electrical vehicle		Page 1 of 5

B37	Accelerator pedal sensor	N2/10	Supplemental restraint system control unit	R48/2	High-voltage battery coolant circuit heating element
B150/1	Brake booster vacuum sensor	N10	SAM control unit	S7	High-voltage disconnect device
F19/3	High voltage power distributor	N13	Thermal management control unit	S9/1	Brake light switch
F58	Engine compartment fuse and relay module	N22/7	Automatic air conditioning control and operating unit	S16/13	DIRECT SELECT lever
F58kM	Terminal 87C relay	N30/4	Electronic Stability Program control unit	S110/1	Steering wheel downshift button (with code 428 (Steering wheel gearshift buttons))
F58kN	Terminal 87T relay	N72/1	Upper control panel control unit	S111/1	Steering wheel upshift button (with code 428 (Steering wheel gearshift buttons))
F58kQ	Brake booster vacuum pump supply relay	N72/1s60	Extended-Range-Mode button	X11/4	Diagnostic connector
F58kT	Heated windshield relay	N72/1s61	Transmission mode button	X58/23	Charger feed-in socket
G1	On-board electrical system battery	N73	Electronic ignition lock control unit	Y19/1	High-voltage battery cooling system shutoff valve

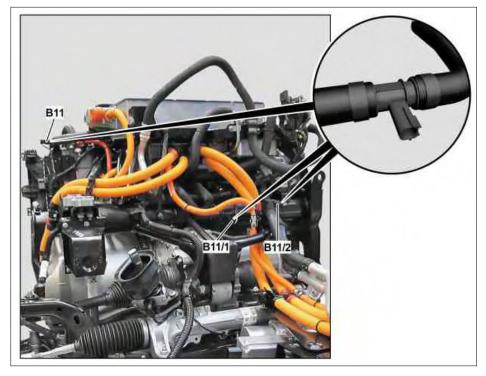
View of drive unit from the front

M43/2	Battery cooling system coolant pump 1
M43/3	Battery cooling system coolant pump 2
M56	Vacuum pump
M91/2	Electric drive and charger coolant pump
Y133/2	Battery coolant pump switchover valve



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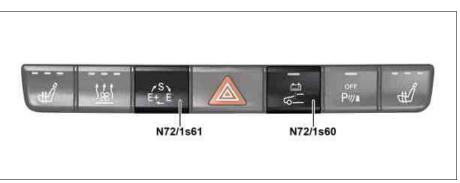
- B11 Drive coolant temperature sensor
- B11/1 Coolant temperature sensor
- upstream of high-voltage battery B11/2
- Coolant temperature sensor downstream of high-voltage battery



P20.00-2500-76

500
O D
M2/16b1

P08.10-2088-76



1	Transmission
HV	High-voltage connection
LV	Connector (control unit plug connection)
M2/16	Park pawl actuator motor
M2/16b1	Park pawl position sensor
N147/2	Power electronics control unit

Upper control panel control unit (N72/1)

Extended-Range-Mode button

Transmission mode button

N72/1s60

N72/1s61

v	ystem	Do not touch assembly parts and open lines of the high voltage on-board electrical system. Persons who are carriers of electronic implants (e.g. cardiac pacemakers), must not carry out any work on high voltage on-board electrical systems.	AS54.00-Z-0001-01A
C		A1	GF54.30-P-6000KN
C	Component description for the radio	Engine 780.990 in model 242.890 up to 11/2/14 up to model year 2015 with code 523 (Audio 20 CD) Engine 780.990 up to 11/2/14 in model 242.890 up to 11/2/14 up to model year 2015 with code 510 (Audio 20 CD with 6-disc CD changer) A2	
		Model 242.890 as of 11/3/14 with engine 780.990 as of model year 2015 with code 505 (Radio 20 NTG5, not navigation- enabled) Model 242.890 as of 11/3/14 with engine 780.990 as of model year 2015 with code 520 (Audio 20 USB) Model 242.890 as of 11/3/14 with engine 780.990 as of model year 2015 with code 522 (Audio 20 radio) A2	
	init	Engine 780.990 in model 242.890 up to 11/2/14 up to model year 2015 with code 512 (COMAND APS with DVD changer) with code 526 (COMAND with single DVD drive (without navigation)) with code 527 (COMAND APS with single DVD drive (with navigation)) A40/3 Model 242.890 as of 11/3/14 with engine 780.990	
		as of model year 2015 with code 531 (COMAND APS) Model 242.890 as of 11/3/14 with engine 780.990 as of model year 2015 with code 532 (COMAND Japan) A40/3	
	lisplay	Model 242.890 up to 11/2/14 with engine 780.990 up to model year 2015 A40/8 Model 242.890 as of 11/3/14 as of model year 2015	GF54.30-P-6150KN GF54.30-P-6150KNM
		A40/8 N2/10	GF91.60-P-4080KN
	· · ·	N10	GF54.21-P-4157KN
Т		N13	GF08.20-P-3005KN
	Component description for automatic air conditioning control and operating unit	N22/7	GF83.40-P-3000KN
P	Program control unit	N30/4	GF42.45-P-5119KN
d	lescription	N721, N721s60	GF54.21-P-6040KN
iç	gnition lock control unit	N73	GF80.57-P-6001KN
n	Component description for steering column tube nodule control unit Component description for battery management		GF54.21-P-6051KN GF54.10-P-3012KN
	system control unit	102/2, 00	GI J T . IU-F-JU IZNN

Component description for DC/DC converter control unit	N83/1	GF54.10-P-3006KN
High-voltage charger control unit, component description	N83/10	GF08.20-P-2000KN
Powertrain gateway control unit, component description	N93/8	GF08.20-P-3007KN
Component description for emergency call system control unit	Model 242.890 up to model year 2017 with code 348 (Emergency call/assistant system) N123/4	GF82.95-P-3212KNU
Drivetrain control unit, component description	N127	GF54.21-P-2141KN
Component description for power electronics control unit	N147/2	GF08.20-P-1001KN
Park pawl control unit component description	N158	GF27.19-P-0005SIB
Component description for electric refrigerant compressor	A9/5	GF83.55-P-2110KN
COLLISION PREVENTION ASSIST controller unit, component description	Model 242.890 as of model year 2015 with code 258 (COLLISION PREVENTION ASSIST PLUS) Model 242.890 up to model year 2015 with code 258 (COLLISION PREVENTION ASSIST) Model 242.890 up to model year 2016 with code 252 (COLLISION PREVENTION ASSIST) A90	GF30.30-P-3214KN
Fuse and relay box, as-built configuration	F58, K45	GF54.15-P-0800KN
Table of contents for function description for an electric vehicle		GF08.00-P-0999KN