

Document number: pe54.21-p-2121-97ka

Document title: Wiring diagram of driver-side signal acquisition and actuation module (SAM) control unit

Code:	Designation:	Position:
A0	Color code key	
A9	Refrigerant compressor	37L
A9x1	Refrigerant compressor connector	37J
B12/2	Refrigerant pressure and temperature sensor	35L
B14	Outside temperature display temperature sensor	46L
B14x1	Outside temperature indicator temperature sensor connector	46F
B22/7	Left rear level sensor	27L
B22/8	Left front level sensor	26L
E1	Left front lamp unit	11L
E1	Left front lamp unit	19L
E1	Left front lamp unit	23L
E1e1	Left high beam	18L
E1e2	Left low beam	21L
E1e2	Left low beam	
E1e3	Left standing and parking lamp	20L
E1e5	Left turn signal lamp	19L
E111	Left high beam solenoid	
E111	Left high beam solenoid	
E1m1	Left headlamp range adjustment motor	23L
E1n1	Xenon headlamp control unit	
E1n1	Xenon headlamp control unit	
E2	Right front lamp unit	11L
E2	Right front lamp unit	19L
E2	Right front lamp unit	23L
E2e1	Right high beam	
E2e2	Right low beam	8L
E2e2	Right low beam	
E2e3	Right standing and parking lamp	
E2e5	Right turn signal lamp	
E211	Right high beam solenoid	9L
E211	Right high beam solenoid	22L
E2m1	Right headlamp range adjustment motor	
E2n1	Xenon headlamp control unit	10L
E2n1	Xenon headlamp control unit	20L
E5/1	Left front fog lamp	7L
E5/2	Right fog lamp	7L
E6/1	Left front side marker lamp USA	43L
H3	Alarm signal horn	76L
K40/2	Driver-side fuse and relay module	14L

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K40/2	Driver-side fuse and relay module	7C
K40/2	Driver-side fuse and relay module	73L
K40/2f10	Fuse 10	13L
K40/2f25	Fuse 25	72L
M20	Steering column adjustment motor group	3L
M20m1	Fore/aft adjustment motor	2L
M20m2	Height adjustment up/down motor	4L
N10/10	Driver-side SAM control unit	4A
N10/10	Driver-side SAM control unit	12A
N10/10	Driver-side SAM control unit	28A
N10/10	Driver-side SAM control unit	20A
N10/10	Driver-side SAM control unit	36A
N10/10	Driver-side SAM control unit	53A
N10/10	Driver-side SAM control unit	44A
N10/10	Driver-side SAM control unit	60A
N10/10	Driver-side SAM control unit	69A
N10/10	Driver-side SAM control unit	76A
N10/11	Passenger-side SAM control unit	31L
N47-5	ESP, SPS [PML] and BAS control unit	29L
N51/2	ABC control unit	40L
R3	Cigar lighter with ashtray illumination	70L
R3e1	Illumination	71L
R3r1	Heating element	69L
R3x1	Cigar lighter connector	69J
S1	Rotary light switch	59L
S10/1	Left front brake pad contact sensor	49L
S11	Brake fluid indicator switch	44L
S12	Parking brake indicator switch	78L
S1s1	HCS [SRA] switch	61L
S93/3	SOS pushbutton switch	64L
S93/6	MB-Info and breakdown assistance button group	66L
U1	Valid for USA	42F
U1	Valid for USA	63F
U1	Valid for USA	65F
U12	Valid for left-hand drive vehicles	6F
U12	Valid for left-hand drive vehicles	17F
U12	Valid for left-hand drive vehicles	23F
U12	Valid for left-hand drive vehicles	76G
U12	Valid for left-hand drive vehicles	78G

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Code:	Designation:	Position:
U12	Valid for left-hand drive vehicles	48D
U13	Valid for right-hand drive vehicles	6F
U13	Valid for right-hand drive vehicles	17F
U13	Valid for right-hand drive vehicles	23G
U13	Valid for right-hand drive vehicles	76G
U13	Valid for right-hand drive vehicles	78G
U13	Valid for right-hand drive vehicles	48E
U200	Valid for TELE AID	63F
U201	Valid for Emergency Call	63F
U201	Valid for Emergency Call	65F
U343	Valid for AHRA [ALWR]	23F
U343	Valid for AHRA [ALWR]	10G
U425	Valid for SL 55 AMG	46D
U428	Valid for SL 65 AMG and SL 600	36F
U503	Valid for ABC	38F
U703	Valid for portable CTEL preinstallation	67F
U735	Valid for bi-xenon	9H
U735	Valid for bi-xenon	22H
W10/3	Ground (starter battery partition wall)	44H
W10/3	Ground (starter battery partition wall)	76H
W10/3	Ground (starter battery partition wall)	48E
W11/3	Ground (engine, left)	76H
W3/1	Ground (right front wheelhouse)	8H
W3/1	Ground (right front wheelhouse)	6H
W3/1	Ground (right front wheelhouse)	18H
W3/2	Ground (left front wheelhouse)	6H
W3/2	Ground (left front wheelhouse)	8H
W3/2	Ground (left front wheelhouse)	18H
W3/2	Ground (left front wheelhouse)	42H
W3/2	Ground (left front wheelhouse)	48E
W30	Ground (frame)	64H
W30	Ground (frame)	67L
W36	Ground (right footwell)	79H
W37	Ground (left footwell)	69G
W37	Ground (left footwell)	79H
X11/4	Data link connector	14H
X30/15	Driver CAN B voltage distributor connector	51L
X30/15	Driver CAN B voltage distributor connector	54L
X35/15	Module box separation point	16H

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X35/15	Module box separation point	23H
X35/15	Module box separation point	37E
X35/15	Module box separation point	75E
X35/63	Control unit box/engine separation point	37H
X39/29	Circuit 15R/58D connector	67E
X39/37	CTEL separation point	68L
X39/48	Breakdown assistance/info button plug distributor	65H
X62/7	Left front axle multiple circuit junction connector, major assembly compartment	48J
Z20/64	Driver-side CAN B screen end	50E
Z3/12	Circuit 15R connector sleeve	70G
Z6/33	Diagnostic lines connector sleeve	16E
Z73/8	Driver CAN B screening connector sleeve	50G









