

OV00.01-P-1001-28MAA	Abbreviations of signal and circuit designations for wiring diagrams		
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Abbreviation	Designation	Notes
( - ) SH	Ground (rear sensors)	
( - ) SV	Ground (front sensors)	
(+)	Positive	
(+)SH	Rear sensor supply	
(+)SV	Front sensor supply	
(+ Closed	Trunk lid drive motor CLOSED (+)	
(-)	Minus	
15	Switched positive	
15R	Switched positive, in ignition position 1, 2 & 3	
288V+	High voltage, 288 Volt Plus	
288V-	High voltage, 288 Volt Minus	
30	Battery voltage, positive (continuous positive)	
30c	12 V circuit 30c	
31	Return line to battery negative or ground, direct	
49 left	Left turn signal	
49 right	Right turn signal	
50	Starter control (direct)	
54	Stop lamp	
56a L	Left main beam	
56a R	Right main beam	
56b left	Left low beam	
56b right	Right low beam	
58 left	Left standing lamp/taillamp	
58 right	Right standing lamp/taillamp	
58L	Left side light	
58R	Right side light	
5V	Supply 5V	
5VG2F	Sensor voltage for tank pressure sensor	
5VSP1	Sensor voltage (5 V), accelerator pedal sensor	
87D1	Circuit 87 fused	
87D2	Circuit 87 fused	
87D3	Circuit 87 fused	
AAV	Tank system shutoff valve actuation	
AB1, BF	Front passenger airbag 1	
AB1, FA	Driver airbag 1	
AB2, BF	Front passenger airbag 2	
AB2, FA	Driver airbag 2	
AB2, FA+	Airbag 2, driver +	
AB2, FA-	Airbag 2, driver -	
AB2,BF+	Front passenger airbag 2 +	
AB2,BF-	Front passenger airbag 2 -	
ABLV	Drain valve positive	
AC_Chiller	High-voltage battery cooling shutoff valve	
AC_Evaporator	Front evaporator shutoff valve	
AGK2	Tank leakage pump diagnostic module	
AGR	Exhaust gas recirculation	
AHK IO	Trailer hitch OK	
AHK NIO	Trailer hitch not OK	
AKF	Actuation of purging switchover valve	
ACSR [AKSE]	Automatic child seat recognition	
AL(+)	Exit lamp current supply	
Ant.	Antenna	
Antenna	Antenna signal	
Audio L	Left audio signal	
Audio R	Right audio signal	
Audio shield	Audio shielding	
OPEN	Running direction open	
AUX_GND	Interface shielding	
AUX_L	Left interface	
AUX_R	Right interface	
AUX_Shield	Interface shielding	
A_EKA_I	Left intake port shutoff actuation	
A_EKA_r	Right intake port shutoff actuation	

A_P_ZUE1	Actuation Cylinder 1 ignition coil (T1/1)	
A_P_ZUE2	Actuation Cylinder 2 ignition coil (T1/2)	
A_P_ZUE3	Actuation Cylinder 3 ignition coil (T1/3)	
A_P_ZUE4	Actuation Cylinder 4 ignition coil (T1/4)	
A_P_ZUE5	Actuation Cylinder 5 ignition coil (T1/5)	
A_P_ZUE6	Actuation Cylinder 6 ignition coil (T1/6)	
A_P_ZUE7	Actuation Cylinder 7 ignition coil (T1/7)	
A_P_ZUE8	Actuation Cylinder 8 ignition coil (T1/8)	
A_S_DK	Actuation Intake manifold tumble flap switchover valve (Y22/9)	
A_S_SLV	Actuation Air pump switchover valve (Y32)	
A_T_DCM	Ground Throttle valve actuator motor (M16/6m1)	
A_T_DCP	Supply voltage Throttle valve actuator motor (M16/6m1)	
A_T_KWTHS	Actuation Three-disk thermostat valve (Y110)	
A_T_LSH1HK	Oxygen sensor heater actuation Right O <sub>2</sub> sensor downstream of the catalytic converter (G3/6)	
A_T_LSH2HK	Oxygen sensor heater actuation Left O <sub>2</sub> sensor downstream of the catalytic converter (G3/5)	
A_T_LSHVK1	Oxygen sensor heater actuation Right O <sub>2</sub> sensor upstream of the catalytic converter (G3/4)	
A_T_LSHVK2	Oxygen sensor heater actuation Left O <sub>2</sub> sensor upstream of the catalytic converter (G3/3)	
A_T_NWSA1	Actuation (ground) Right exhaust camshaft solenoid (Y49/7)	
A_T_NWSA2	Actuation (ground) Left exhaust camshaft solenoid (Y49/6)	
A_T_NWSE1	Actuation (ground) Right intake camshaft solenoid (Y49/5)	
A_T_NWSE2	Actuation (ground) Left intake camshaft solenoid (Y49/4)	
A_T_SU_SUV1	Actuation Variable intake manifold changeover valve (Y22/6)	
A_U_5VG1M	Sensor voltage (5 V) Crankshaft Hall sensor (B70)	
A_U_5VG2M	Sensor voltage (5 V) Pressure sensor (intake manifold air pressure) (B28), Left intake manifold tumble flap position sensor (B28/9) Right intake manifold tumble flap position sensor (B28/10)	
A_U_LSU1VM	Virtual ground Right O <sub>2</sub> sensor upstream of the catalytic converter (G3/4)	
A_U_LSU2VM	Virtual ground Left O <sub>2</sub> sensor upstream of the catalytic converter (G3/3)	
A_U_UIP	Sensor voltage (5 V) Throttle valve, actual value potentiometer 1 (M16/6r1) Throttle valve, actual value potentiometer 2 (M16/6r2)	
BAV_12V	BAS solenoid valve ground	
BAV_5V	Brake assistant solenoid valve supply voltage	
BAV_A	Brake assistant MV	
BBV HR	Right rear brake wear	
BBV VR	Right front brake wear	
Bel.	Lighting	
BLS_12V	Hybrid brake light switch supply voltage	
BLS_H	Hybrid brake light switch signal	
BLS_M	Hybrid brake light switch ground	
BT	Bluetooth	
CAK BF	Crash-active head restraint, front passenger	
CAK FA	Crash-active head restraint, driver	
CAN-A H	Telematics CAN HIGH	
CAN-A L	Telematics CAN LOW	
CAN-B H	Interior CAN HIGH	
CAN-B L	Interior CAN LOW	
CAN-C H	Drive train CAN High	

CAN-C L	Drive train CAN Low	
CAN-D H	Diagnostic CAN High	
CAN-D L	Diagnostic CAN Low	
CAN-H H	Vehicle dynamics CAN High	
CAN-H L	Vehicle dynamics CAN Low	
Comand contactor	Main protector input	
Crash	Crash signal	
CVH	Vent line heater element	
Data	Dataline	
DCM	Ground, front throttle valve actuator motor	
DCP	Supply voltage, throttle valve actuator motor	
DDS	Difference pressure sensor signal	
DF VL	Left front rotational frequency	
DFHL_S	Left rear rpm sensor signal	
DFHR_S	Right rear rpm sensor signal	
DFS sig.	Rotary tumbler switch signal	
DFVL_R	Right front rpm sensor signal	
DFVL_S	Left front rpm sensor signal	
DFVR_S	Front right rpm sensor sensor signal	
Diag.	Diagnosis	
DIR	Rotation direction	
DK	Intake manifold tumble flap switchover valve actuation	
DK1	Sensor signal for right intake manifold tumble flap position sensor	
DK2	Sensor signal for left intake manifold tumble flap position sensor	
DPF	Diesel particulate filter	
DRS	Pressure sensor (), intake manifold air pressure	
DRS (-)	Pressure sensor negative	
DRS (5V)	Pressure sensor voltage supply	
DRS_S	Pressure sensor signal	
DRV	Pressure control valve	
DST	Sensor signal, tank pressure sensor	
DV 1	Damper valve 1	
DV 2	Damper valve 2	
DVV	Damper valve supply	
EC LED	E-call LED	
ATA	ATA [EDW] signal	
EKA-0	Intake port shutoff actuation	
EKPR	Signal "Fuel pump ON"	
EKS 1	Obstruction sensor signal	
EKS 2	Obstruction sensor signal	
EPOS LR	Left rear end position	
EPOS RR	Right rear end position	
EPOS LF	Left front end position	
EPOS RF	Right front end position	
ETC	Two-disk thermostat heating element	
EV1	Injection valve 1	
EV10	Injection valve 10	
EV11	Injection valve 11	
EV12	Injection valve 12	
EV2	Injection valve 2	
EV3	Injection valve 3	
EV4	Injection valve 4	
EV5	Injection valve 5	
EV6	Injection valve 6	
EV7	Injection valve 7	
EV8	Injection valve 8	
EV9	Injection valve 9	
EXTS1	Exhaust temperature signal in left oxidization catalytic converter	
EXTS3	Temperature sensor upstream of SCR catalytic converter	
EXTS4	Temperature sensor ground upstream of SCR catalytic converter	
E_A_IP1S	Sensor signal Throttle valve, actual value potentiometer 1 (M16/6r1)	
E_A_IP2S	Sensor signal Throttle valve, actual value potentiometer 2 (M16/6r2)	
E_A_KS1A	Sensor signal A Knock sensor 1, on the right (A16/1)	
E_A_KS1B	Sensor signal B Knock sensor 1, on the right (A16/1)	
E_A_KS_2A	Sensor signal A Knock sensor 2, on the left (A16/2)	

E_A_KS_2B	Sensor signal B Knock sensor 2, on the left (A16/2)	
E_A_LS1HK	Sensor signal Right O <sub>2</sub> sensor downstream of the catalytic converter (G3/6)	
E_A_LS2HK	Sensor signal Left O <sub>2</sub> sensor downstream of the catalytic converter (G3/5)	
E_A_LSU1A	Trimming resistor Right O <sub>2</sub> sensor upstream of the catalytic converter (G3/4)	
E_A_LSU1P	Pump current Right O <sub>2</sub> sensor upstream of the catalytic converter (G3/4)	
E_A_LSU1UN	Sensor signal Right O <sub>2</sub> sensor upstream of the catalytic converter (G3/4)	
E_A_LSU2IA	Trimming resistor Left O <sub>2</sub> sensor upstream of the catalytic converter (G3/3)	
E_A_LSU2IP	Pump current Left O <sub>2</sub> sensor upstream of the catalytic converter (G3/3)	
E_A_LSU2UN	Sensor signal Left O <sub>2</sub> sensor upstream of the catalytic converter (G3/3)	
E_A_TANS	Sensor signal Intake air temperature sensor (B2/5b1)	
E_A_TMOT	Sensor signal Coolant temperature sensor (B11/4)	
E_F_HFM1	Sensor signal Hot film mass air flow sensor (B2/5)	
E_F_KWGA	Sensor signal Crankshaft Hall sensor (B70)	
E_F_KWGB	Sensor ground Crankshaft Hall sensor (B70)	
E_F_NWGA1	Sensor signal RH exhaust camshaft Hall sensor (B6/7)	
E_F_NWGA2	Sensor signal Left exhaust camshaft Hall sensor (B6/6)	
E_F_NWGE1	Sensor signal Right intake camshaft Hall sensor (B6/5)	
E_F_NWGE2	Sensor signal LH intake camshaft Hall sensor (B6/4)	
E_F_REF1	Reference signal Hot film mass air flow sensor (B2/5)	
E_S_DK1	Sensor signal Right intake manifold tumble flap position sensor (B28/10)	
E_S_FSOEL	Signal Oil level check switch (S43)	
FAF	Fanfare horns	
FH H	Power window raising	
FH T	Power window lowering	
FHH	Power window motor (+raise)	
FHT	Lower power window (+ low)	
FL	Rear lamp	
FL (+)	Footwell lamp, positive	
FLWTR	Water level switch signal (only in countries with poor-quality fuel)	
FSMOEL	Actual status check signal switch $\checkmark$	
GKB BF	Front passenger belt force limiter	
GKB FA	Driver belt force limiter	
GND	Shielding	
GPS	GPS signal	
GP_L1	Electrical transmission oil pump 1 supply voltage	
GP_L2	Electrical transmission oil pump 2 supply voltage	
GP_M	Electrical transmission oil pump ground	
GS, BF	Passenger emergency tensioning retractor	
GS, FA	Driver emergency tensioning retractor	
GS, HL	Left rear emergency belt tensioner	
GS, HR	Right rear emergency belt tensioner	
H (+)	Hall sensor voltage supply	
H (-)	Hall sensor ground	
H Sig.1	Hall sensor signal 1	
H sig.2	Hall sensor signal 2	
HAV	Actuation of heating system shutoff valve	
HDF	Trunk lid remote opening	
HFM-SFI	Hot film mass air flow sensor, ground	
HFM sequential multipoint fuel injection/ignition system-0	Hot film mass air flow sensor, ground	

HFM sequential multipoint fuel injection/ignition system-1	Hot film mass air flow sensor, signal	
HFM sequential multipoint fuel injection/ignition system-2	Hot film mass air flow sensor, supply (+5V)	
HFM1_M	Hot film mass air flow sensor sensor ground	
HFM1_S	Hot film mass air flow sensor sensor signal	
HHS	Rear window defroster	
RR	Right rear	
HS Comm Enable	Activation of main protection	
HVIL LOOP In	High-voltage interlock line loop input	
HVIL+	High-voltage interlock positive	
HVIL-	High-voltage interlock minus	
HVIL_In	High-voltage interlock signal input	
HVIL_Out	High-voltage interlock signal output	
Hybrid Accy	Call up hybrid	
IATS3	Exhaust gas recirculation temperature sensor signal	
IC LED	Info LED	
IC S	Information button	
IDC S	Tele diagnosis button	
Inj. H	Injector, high	
Inj. LL	Injector, low	
IP1S	Sensor signal for throttle valve actual value potentiometer	
IP2S	Sensor signal for throttle valve actual value potentiometer	
IPM	Throttle valve actual value potentiometer ground	
IPS2	Sensor signal for throttle valve actual value potentiometer 2	
ISM	Intelligent servo module	
KDP	Fuel metering pump	
KHZ	Fuel heater	
KL (+)	Luggage compartment lamp, positive	
KS	Knock sensor	
KS_M	Sensor signal B, knock sensor	
KS_S	Sensor signal A, knock sensor	
KTS_S	Fuel temperature sensor signal	
Crankshaft signal	Signal, crankshaft rpm from ME-SFI control unit	
KWDGA	Crankshaft signal 1	
KWDGB	Crankshaft signal 2	
KWG	Crankshaft sensor	
KWR	Signal "Motor speed"	
KWTHS	Three-disk thermostat valve actuation	
LD +	Open roof motor	
LD -	Close roof motor	
LDF-1	Boost pressure sensor signal	
LDR	Actuation of boost pressure positioner	
LED_FU	LED function	
LFP	Power steering pump	
LHP	Power steering pump	
LHZ	Heated steering wheel	
LIN B5	KLA-LIN	
LIN E1	Steering LIN	
LL L	Left reading lamp	
LL R	Right reading lamp	
LS1	Release switch closes	
LS1HK	Oxygen sensor 1 down stream of three way catalytic converter	
LS1P	Oxygen sensor 1 pump current	
LS2	Release switch opens	
LS2HK	Oxygen sensor 2 down stream of three way catalytic converter	
LS2VK	Oxygen sensor 2 upstream of catalytic converter	
LSA	Release switch	
LSH1HK	Oxygen sensor heater downstream of TWC 1 (right)	
LSH2HK	Oxygen sensor heater downstream of TWC 2 (left)	
LSH2VK	Actuation of oxygen sensor heater for O2 probe, left, upstream of catalytic converter	
LSH2_VK	Oxygen sensor heater LSF 2 upstream of catalytic converter	
LSH1HK	Actuation of oxygen sensor heater for O2 probe, right	
LSHK	Oxygen sensor downstream of TWC	
Lsp. +	Speaker voltage supply	
Lsp. -	Speaker ground	
LSU11a	Trimming resistor for O2 probe, right, upstream of catalytic converter	
LSU1IP	Pump current for O2 probe, right, upstream of catalytic converter	

LSU1UN	Sensor signal for O2 probe, right, upstream of catalytic converter	
LSU1VK	Actuation of oxygen sensor heater O2-sensor (right), upstream of CAT	
LSU1VM	Virtual ground for O2 probe, right, upstream of catalytic converter	
LSU1VN	Sensor signal O2 sensor (right), upstream of CAT	
LSU2IA	Trimming resistor for O2 probe, left, upstream of catalytic converter	
LSU2IP	Pump current for O2 probe, left, upstream of catalytic converter	
LSU2UN	Sensor signal for O2 probe, left, upstream of catalytic converter	
LSU2VK	Actuation of oxygen sensor heater O2-sensor (right), upstream of CAT	
LSU2VM	Virtual ground for O2 probe, left	
LSU2VN	Sensor signal O2 sensor (right), upstream of CAT	
LUES	Fan control	
M1_L1	High-voltage supply, electrical machine 1	
M1_L2	High-voltage supply, electrical machine 1	
M1_M	Ground, electrical machine 1	
M2_L1	High-voltage supply, electrical machine 2	
M2_L2	High-voltage supply, electrical machine 2	
M2_M	Ground, electrical machine 2	
MHK	ATA engine hood contact	
MHKKUP1	Hybrid engine hood contact switch signal	
MIC out	Microphone output	
Mic. (+)	Microphone positive	
Mic. (-)	Microphone negative	
MIC1	Microphone 1	
MIC2	Microphone 2	
MIC3	Microphone 3	
MIC_GND	Microphone ground	
Mot A	Motor A	
Mot B	Motor B	
Mute	Muting	
M_R_HFM1	Sensor ground Hot film mass air flow sensor (B2/5)	
M_R_IPM	Ground Throttle valve, actual value potentiometer 1 (M16/6r1) Throttle valve, actual value potentiometer 2 (M16/6r2)	
M_R_LSHK	Ground Left O <sub>2</sub> sensor downstream of the catalytic converter (G3/5), Right O <sub>2</sub> sensor downstream of the catalytic converter (G3/6)	
M_R_SENM1	Sensor ground Right intake camshaft Hall sensor (B6/5) Right exhaust camshaft Hall sensor (B6/7) Pressure sensor (B28) (intake manifold air pressure), Right intake manifold tumble flap position sensor (B28/10)	
M_R_SENM2	Sensor ground Left intake camshaft Hall sensor (B6/4) Left exhaust camshaft Hall sensor (B6/6) Coolant temperature sensor (B11/4), Left intake manifold tumble flap position sensor (B28/9)	
NC	Not wired	
NF	Low frequency	
NF-L	Low frequency, left	
NF-R	Low frequency, right	
NSL	Rear fog lamp	
NWG	Sensor ground for intake camshaft Hall sensor	
NWG A1	Camshaft sensor exhaust 1	
NWG A2	Camshaft sensor exhaust 2	
NWG E1	Camshaft sensor intake 1	
NWG E2	Camshaft sensor intake 2	
NWGA1	Sensor signal, Hall sensor output, right camshaft	
NWGA2	Sensor signal for exhaust camshaft Hall sensor	
NWGE1	Sensor signal, Hall sensor input, right camshaft	
NWGE2	Sensor signal for intake camshaft Hall sensor	
NWG_S	Camshaft sensor signal (intake)	
NWS E2	Actuation (ground), left inlet camshaft solenoid	
NWSA 1	Actuation (ground), right exhaust camshaft solenoid	
NWSA 2	Actuation (ground), left exhaust camshaft solenoid	
NWSA2	Actuation (ground), left exhaust camshaft solenoid	
ODS	Oil pressure switch	
Oil (+)	Oil sensor supply	
Oil (-)	Oil sensor ground	
Oil - S	Oil sensor signal	
OILP	Engine oil pump valve actuation	

OSS	Oil level switch	
PAS_5V	Pedal angle sensor sensor voltage	
PAS_M	Pedal angle sensor sensor ground	
PAS_SIG1	Pedal angle sensor sensor signal 1	
PAS_SIG2	Pedal angle sensor sensor signal 2	
SPS	Speed-sensitive power steering	
PS60_5V	Pressure sensor, brake pressure simulator valve, sensor voltage	
PS60_M	Pressure valve brake pressure simulator	
PS60_SIG	Sensor signal, pressure sensor for brake pressure simulator valve	
PWM	Pulse width modulation signal for coolant pump for high-voltage battery	
PWR	Pedal value sensor	
RDS	Rail pressure sensor signal	
REF1	Reference signal, hot film mass air flow meter	
Rel.	Relays	
RES OUTPUT	LED, trailer hitch OK/not OK	
RES_M2 (+)	Coordinate converter, electrical machine 2, supply	
RES_M2 (-)	Coordinate converter, electrical machine 2, ground	
Resolver_S1_M1	Coordinate converter signal 1, electric machine 1	
Resolver_S1_M2	Coordinate converter signal 1, electric machine 2	
Resolver_S2_M1	Coordinate converter signal 2, electric machine 1	
Resolver_S2_M2	Coordinate converter signal 2, electric machine 2	
Resolver_S3_M1	Coordinate converter signal 3, electric machine 1	
Resolver_S3_M2	Coordinate converter signal 3, electric machine 2	
Resolver_S4_M1	Coordinate converter signal 4, electric machine 1	
Resolver_S4_M2	Coordinate converter signal 4, electric machine 2	
RES_M1 (-)	Coordinate converter, electrical machine 1, ground	
RES_M1(+)	Coordinate converter, electrical machine 1, supply	
RFL	Reversing lamp	
RWI	Wiper relay	
RWT	Rear-end door	
RWTL	Rear end door light	
RX-H	Receive, high	
RX-L	Receive, low	
S 1 V	Front sensor 1	
S 10 H	Rear sensor 10	
S 2 V	Front sensor 2	
S 3 V	Front sensor 3	
S 4 V	Front sensor 4	
S 5 V	Front sensor 5	
S 6 V	Front sensor 6	
S 7 H	Rear sensor 7	
S 8 H	Rear sensor 8	
S 9 H	Rear sensor 9	
SAT	Satellite antenna	
SAV_12V	Brake pressure simulator valve	
SAV_A	Brake pressure simulator valve	
SB, BF	Front passenger sidebag	
SB, FA	Driver sidebag	
SB, HL	Left rear sidebag	
SB, HR	Right rear sidebag	
SENF1	Ground, tank pressure sensor	
SENM3	Sensor ground for coolant temperature sensor	
SENM5	Sensor ground for intake manifold pressure sensor	
SF BF	Front passenger frontal acceleration sensor	
SF FA	Driver frontal acceleration sensor	
Sig.	Signal	
Sig_KW_Chiller	Actuation of two-way valve high-voltage-battery cooling system/high-voltage battery cooling system	
Sig_KW_Radiator	Actuation of high-voltage battery cooling two-way valve, radiator	
SIL	Left seat	
SIR	Right seat	
SK	Lock contact	
SLP	Secondary air pump	
SLV	Secondary air pump valve / air injection	
SP1S	Sensor signal 1, accelerator pedal sensor	
SP2	Signal ground 2, accelerator pedal sensor	
SP2S	Sensor signal 2, accelerator pedal sensor	
SRL (+)	Surround left Positive	
SRL (-)	Surround left Ground	

SRR (+)	Surround right Positive	
SSR (-)	Surround right Ground	
SS_BF	Passenger-side sidebag and windowbag sensor	
SS_F	Driver sidebag and windowbag sensor	
SU	Actuation of intake manifold switchover valve	
SW (+)	Subwoofer positive	
SW (-)	Subwoofer ground	
T2_S	Charge air temperature sensor (T2) signal	
TA	Pushbutton	
TA left	Left button	
TA right	Right button	
TAG 1	Signal, exhaust gas temperature	
TAG 2	Signal, exhaust gas temperature	
TANS	Hot film mass air flow sensor	
TANSI	Sensor signal, intake air temperature sensor	
Temp.	Temperature	
TEV	Heater, tank leakage system diagnostic module	
TG +	Fuel tank sensor +	
TG + L	Left fuel level sensor	
TG + R	Right fuel level sensor	
TG -	Fuel tank sensor -	
THS	Thermostat	
TIG_L	Left inside door handle	
TIG_R	Right inside door handle	
TK	Door contact	
TKKH	Sensor signal for low-temperature circuit temperature sensor	
TKWH	Sensor signal for low-temperature circuit temperature sensor	
TMOT	Engine temperature sensor	
TM_GND_M1	Ground temperature sensor, electrical machine 1	
TM_GND_M2	Ground temperature sensor, electrical machine 2	
TM_M1	Input temperature sensor, electrical machine 1	
TM_M2	Input temperature sensor, electrical machine 2	
TOEL	Oil temperature	
TT	Sensor signal, pressure and temperature sensor, fuel tank	
TUKS	Door actuator	
TX-H	Transmit, high	
TX-L	Transmit, low	
U	Power supply	
U SW	U switch	
UBRE	Voltage supply circuit 87	
UBRM1	Voltage supply circuit 87	
UIP	Sensor voltage for throttle valve actual value potentiometer	
V (-)	Valve negative	
VAC_M	Sensor ground, vacuum sensor	
VAC_PUMP_A	Relay, vacuum pump, positive	
VAC_PUMP_M	Relay, vacuum pump, negative	
VAC_PUMP_MON	Diagnosis, vacuum pump	
VAC_SIG1	Sensor signal 1, vacuum sensor	
VAC_SIG2	Sensor signal 2, vacuum sensor	
VAC_SV	Sensor voltage, vacuum sensor	
VCC	Power supply	
VL	Left front	
VM	Front center	
VR	Right front wheel antenna	
Wake-up	MOST bus cut-in signal	
WB, L	Left window airbag	
WB, R	Right window airbag	
WE	Wake-up input	
WI 1	Wiper 1	
WI 2	Wiper 2	
WPH	Rear washer pump, positive	
WPV	Front washer pump, positive	
WSH	Washer nozzle heater	
ZF	Intermediate frequency	
ZLV	Central charge valve	
ZME+	Metering unit (ZME) +12V supply	
ZME_L	Metering unit (ZME) low-side	
CLOSED	Running direction closed	
ZUE 1	Ignition coil 1	

ZUE 10	Ignition coil 10	
ZUE 11	Ignition coil 11	
ZUE 12	Ignition coil 12	
ZUE 2	Ignition coil 2	
ZUE 3	Ignition coil 3	
ZUE 4	Ignition coil 4	
ZUE 5	Ignition coil 5	
ZUE 6	Ignition coil 6	
ZUE 7	Ignition coil 7	
ZUE 8	Ignition coil 8	
ZUE 9	Ignition coil 9	
ZV ERH	Central locking system for spare tire carrier	
ZWP	Additional water pump	